

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101417\
 Data File : BF099487.D
 Acq On : 14 Oct 2017 20:05
 Operator : SJ/JU
 Sample : I5865-02MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLEANSAND-11MSD

Manual Integrations
 APPROVED

Sohil
 10/15/2017 12:41:27 PM

Quant Time: Oct 15 00:19:47 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 14 23:44:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	93598	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	393362	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	178776	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	304660	20.00	ng	0.00
75) Chrysene-d12	14.02	240	177726	20.00	ng	0.00
86) Perylene-d12	15.49	264	145222	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	815617	138.72	ng	0.02
7) Phenol-d6	6.50	99	988111	136.23	ng	0.00
23) Nitrobenzene-d5	7.42	82	594385	96.90	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	198812	135.91	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1081745	101.01	ng	0.00
78) Terphenyl-d14	12.96	244	854664	109.36	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.69	88	109456	38.97	ng	96
3) Pyridine	3.48	79	211398	27.82	ng	93
4) n-Nitrosodimethylamine	3.42	42	124677	38.70	ng	81
6) Aniline	6.52	93	298464	30.49	ng	99
8) 2-Chlorophenol	6.65	128	301055	45.21	ng	94
9) Benzaldehyde	6.41	77	99184	23.57	ng	92
10) Phenol	6.51	94	403258	49.71	ng	98
11) bis(2-Chloroethyl)ether	6.59	93	280806	44.53	ng	97
12) 1,3-Dichlorobenzene	6.79	146	321000	46.03	ng	98
13) 1,4-Dichlorobenzene	6.87	146	327196	46.12	ng	98
14) 1,2-Dichlorobenzene	7.02	146	300773	45.88	ng	99
15) Benzyl Alcohol	7.00	79	225048	42.29	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.13	45	391118	39.81	ng	90
17) 2-Methylphenol	7.11	107	246669	45.28	ng	99
18) Hexachloroethane	7.36	117	113398	44.47	ng	97
19) n-Nitroso-di-n-propylamine	7.27	70	185522	40.06	ng	92
20) 3+4-Methylphenols	7.27	107	293644	42.60	ng	# 70
22) Acetophenone	7.27	105	391032	41.03	ng	# 97
24) Nitrobenzene	7.44	77	300749	43.22	ng	97
25) Isophorone	7.67	82	554463	43.72	ng	99
26) 2-Nitrophenol	7.76	139	168241	50.28	ng	88
27) 2,4-Dimethylphenol	7.79	122	269368	42.63	ng	97
28) bis(2-Chloroethoxy)methane	7.88	93	361164	45.70	ng	98
29) 2,4-Dichlorophenol	8.00	162	250951	46.26	ng	96
30) 1,2,4-Trichlorobenzene	8.07	180	252635	46.56	ng	100
31) Naphthalene	8.16	128	853990	46.22	ng	100
32) Benzoic acid	7.90	122	51924	10.00	ng	97
33) 4-Chloroaniline	8.21	127	169457	21.96	ng	96
34) Hexachlorobutadiene	8.27	225	125627	44.95	ng	99
35) Caprolactam	8.59	113	75694m	43.50	ng	
36) 4-Chloro-3-methylphenol	8.70	107	264999	43.46	ng	97
37) 2-Methylnaphthalene	8.85	142	589228	49.06	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	235312	44.14	ng	99
40) Hexachlorocyclopentadiene	9.00	237	151643	62.24	ng	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.13	196	154657	40.95	ng	96
43) 2,4,5-Trichlorophenol	9.17	196	161853	42.93	ng	98
45) 1,1'-Biphenyl	9.31	154	679753	44.24	ng	99
46) 2-Chloronaphthalene	9.34	162	534201	46.31	ng	98
47) 2-Nitroaniline	9.45	65	155716	44.08	ng	86
48) Acenaphthylene	9.76	152	795903	45.07	ng	99
49) Dimethylphthalate	9.62	163	799414	59.25	ng	100
50) 2,6-Dinitrotoluene	9.68	165	140730	47.91	ng	96
51) Acenaphthene	9.93	154	471841	42.18	ng	98
52) 3-Nitroaniline	9.86	138	108936	31.80	ng	# 87
53) 2,4-Dinitrophenol	9.97	184	62670	43.82	ng	91
54) Dibenzofuran	10.10	168	695442	46.69	ng	98
55) 4-Nitrophenol	10.03	139	149217	51.52	ng	90
56) 2,4-Dinitrotoluene	10.09	165	173059	45.39	ng	94
57) Fluorene	10.45	166	552159	46.12	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.22	232	116396	44.69	ng	96
59) Diethylphthalate	10.31	149	589391	44.70	ng	99
60) 4-Chlorophenyl-phenylether	10.43	204	251151	46.70	ng	98
61) 4-Nitroaniline	10.47	138	148393	44.91	ng	90
62) Azobenzene	10.59	77	560743	46.25	ng	94
64) 4,6-Dinitro-2-methylphenol	10.50	198	66265	35.75	ng	77
65) n-Nitrosodiphenylamine	10.55	169	500319	47.40	ng	97
66) 4-Bromophenyl-phenylether	10.92	248	144613	48.49	ng	91
67) Hexachlorobenzene	10.99	284	145493	45.68	ng	94
68) Atrazine	11.08	200	152347	47.98	ng	100
69) Pentachlorophenol	11.19	266	98390	49.64	ng	100
70) Phenanthrene	11.40	178	775274	47.54	ng	99
71) Anthracene	11.46	178	803802	48.17	ng	100
72) Carbazole	11.62	167	723436	44.27	ng	99
73) Di-n-butylphthalate	11.93	149	888966	45.20	ng	98
74) Fluoranthene	12.60	202	753072	45.60	ng	98
76) Benzidine	12.72	184	159662	24.29	ng	98
77) Pyrene	12.83	202	758754	55.99	ng	99
79) Butylbenzylphthalate	13.43	149	330238	51.85	ng	97
80) Benzo(a)anthracene	14.01	228	519934	48.31	ng	99
81) 3,3'-Dichlorobenzidine	13.97	252	112357	28.48	ng	99
82) Chrysene	14.05	228	482699	47.11	ng	99
83) Bis(2-ethylhexyl)phthalate	13.98	149	408695	46.60	ng	# 99
84) Di-n-octyl phthalate	14.59	149	575234	40.73	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.99	276	470280	57.38	ng	96
87) Benzo(b)fluoranthene	15.06	252	425768m	47.68	ng	
88) Benzo(k)fluoranthene	15.09	252	382735	43.40	ng	99
89) Benzo(a)pyrene	15.43	252	392019	47.83	ng	# 97
90) Dibenzo(a,h)anthracene	16.99	278	390489	59.53	ng	96
91) Benzo(g,h,i)perylene	17.44	276	414435	63.92	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

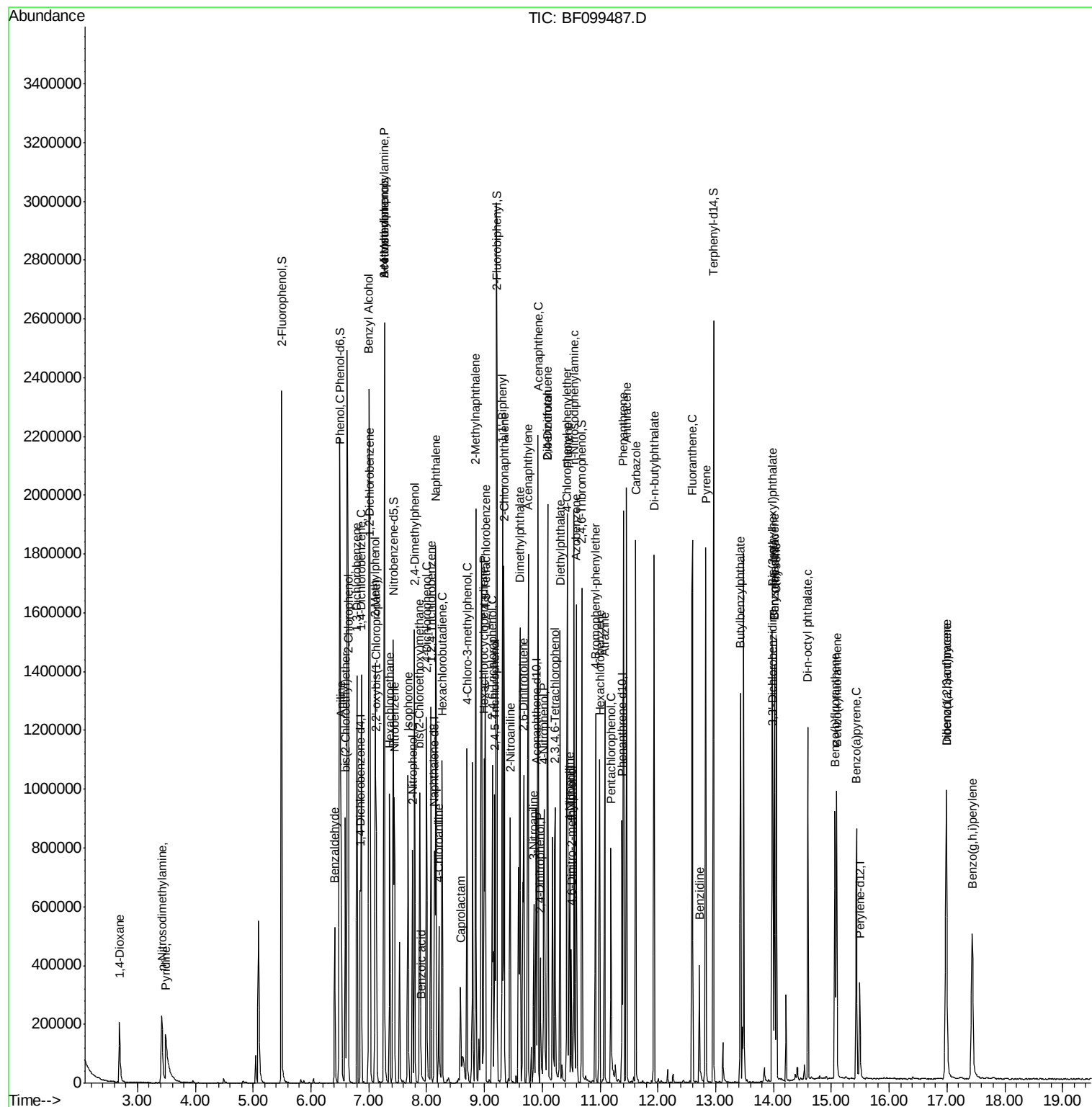
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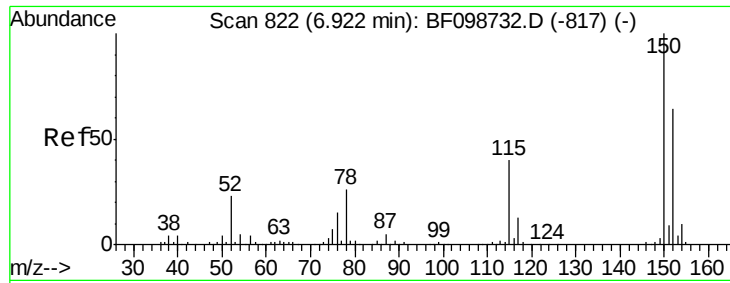
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Instrument :

BNA_F

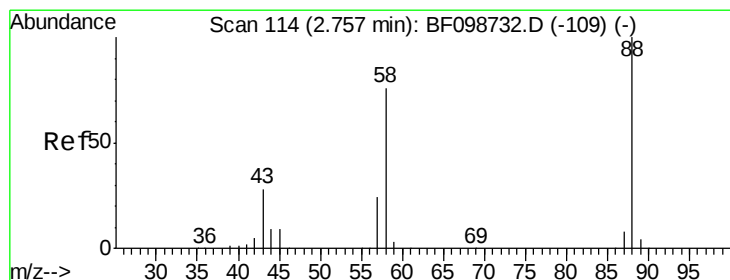
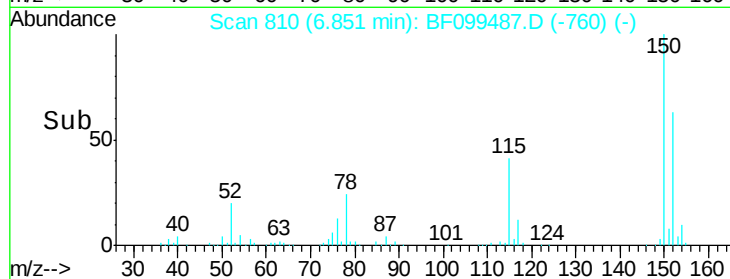
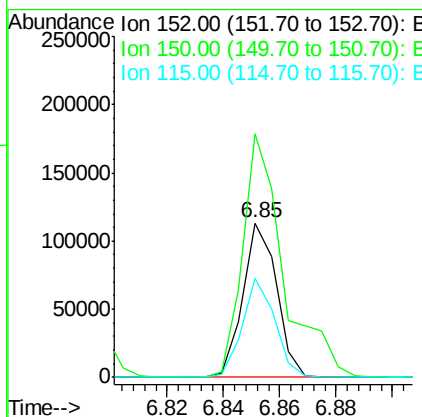
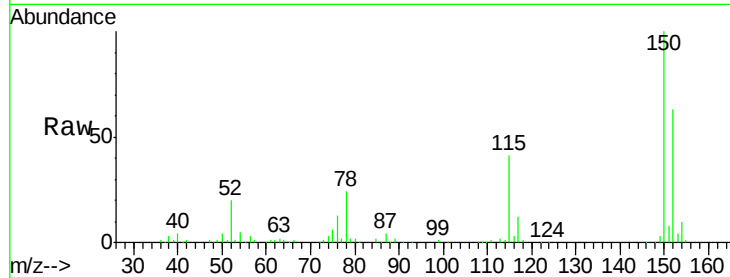
ClientSampleId :

CLEANSAND-11MSD

Tgt Ion:	152	Resp:	93598
Ion Ratio	Lower	Upper	
152	100		
150	158.1	124.6	186.8
115	64.3	50.1	75.1

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#2

1,4-Dioxane

Concen: 38.97 ng

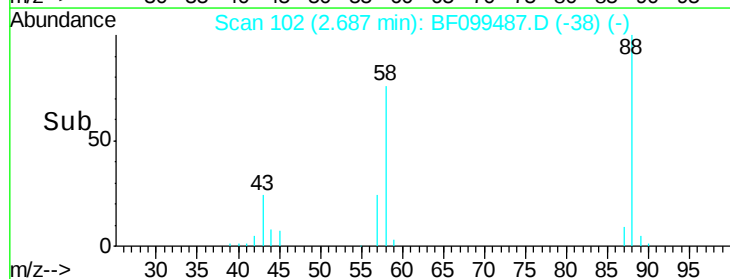
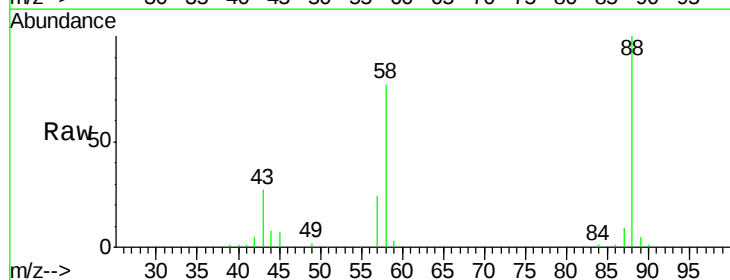
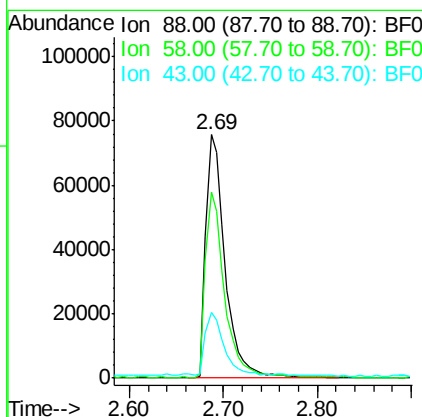
RT: 2.69 min Scan# 102

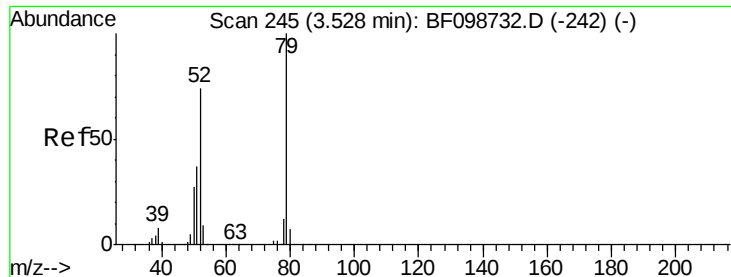
Delta R.T. 0.08 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Tgt Ion:	88	Resp:	109456
Ion Ratio	Lower	Upper	
88	100		
58	76.5	62.6	93.8
43	25.1	24.6	37.0





#3

Pyridine

Concen: 27.82 ng

RT: 3.48 min Scan# 237

Delta R.T. 0.08 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Instrument :

BNA_F

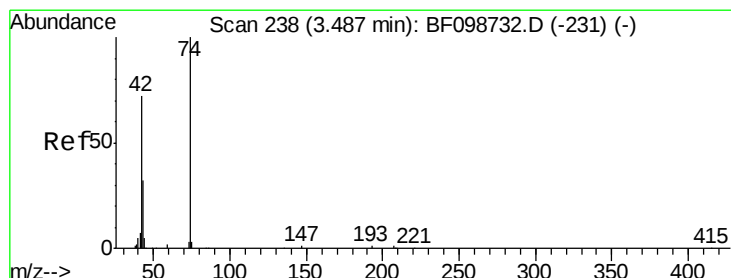
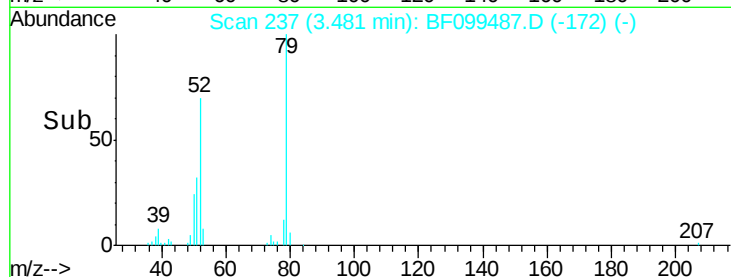
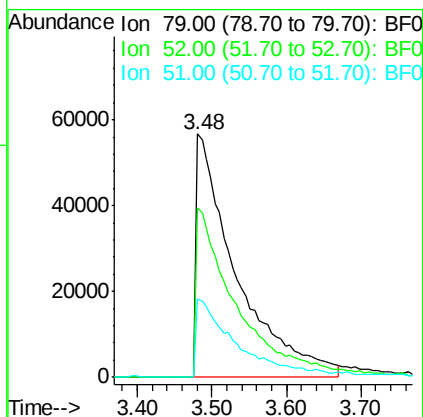
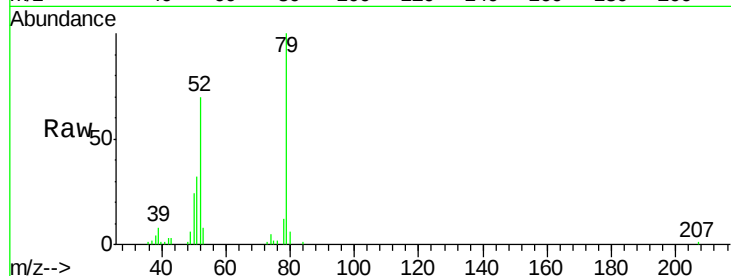
ClientSampleId :

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Tgt Ion:	79	Resp:	211398
Ion Ratio		Lower	Upper
79	100		
52	69.5	59.8	89.6
51	32.0	29.8	44.8

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#4

n-Nitrosodimethylamine

Concen: 38.70 ng

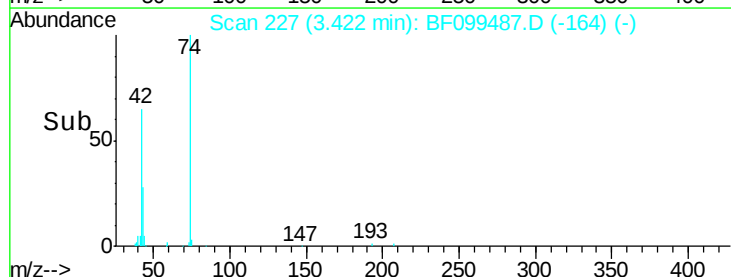
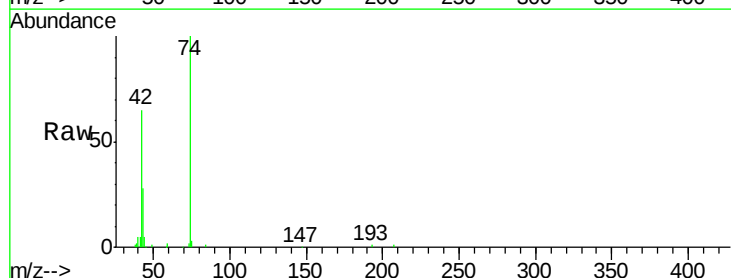
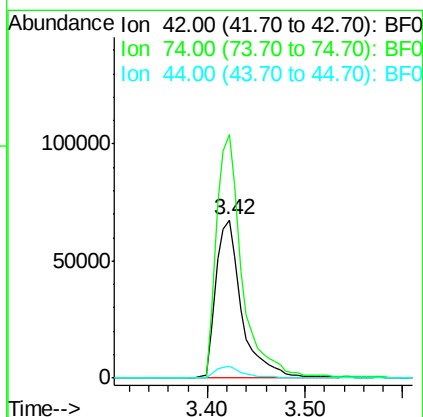
RT: 3.42 min Scan# 227

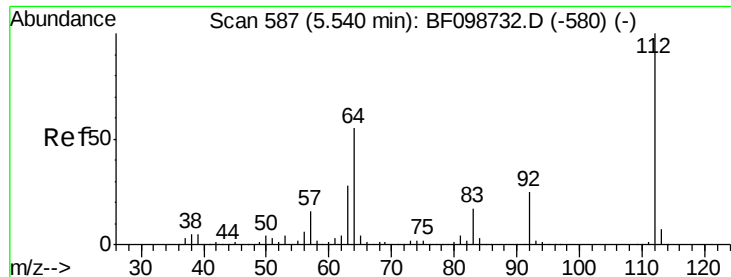
Delta R.T. 0.07 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Tgt Ion:	42	Resp:	124677
Ion Ratio		Lower	Upper
42	100		
74	153.9	104.9	157.3
44	7.2	6.9	10.3





#5

2-Fluorophenol

Concen: 138.72 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.02 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Instrument :

BNA_F

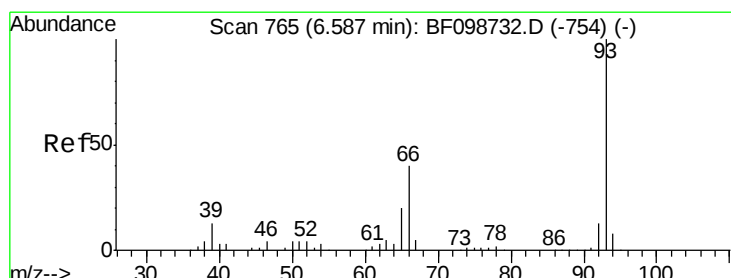
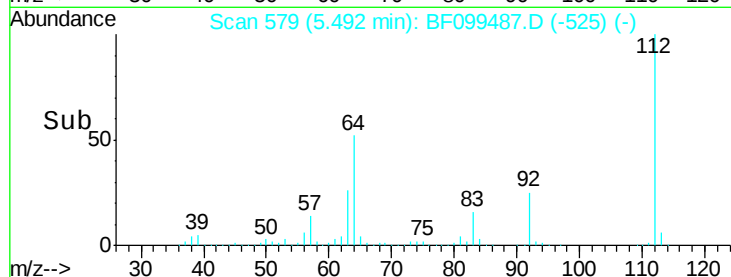
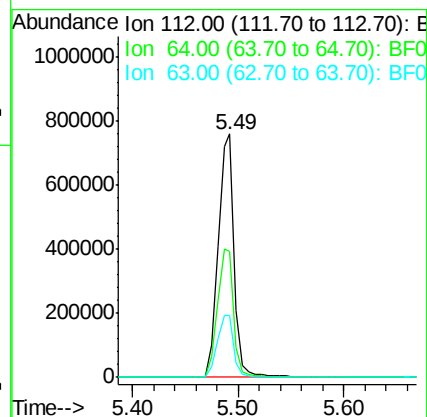
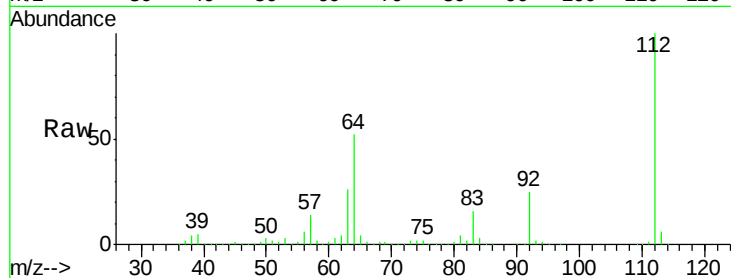
ClientSampleId :

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Tgt Ion:	112	Resp:	815617
Ion Ratio		Lower	Upper
112	100		
64	51.9	47.9	71.9
63	25.6	23.7	35.5

Manual Integrations
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#6

Aniline

Concen: 30.49 ng

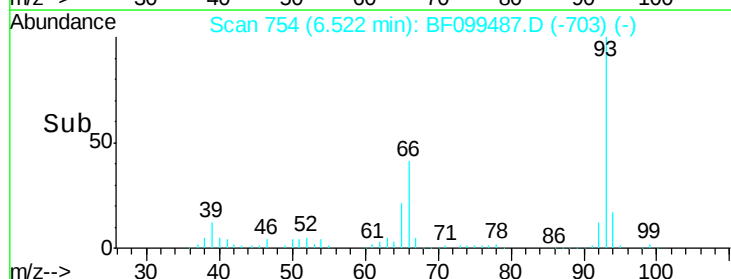
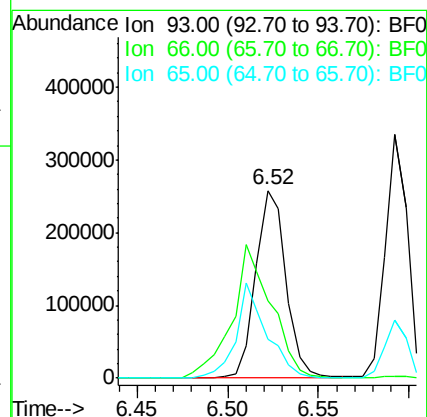
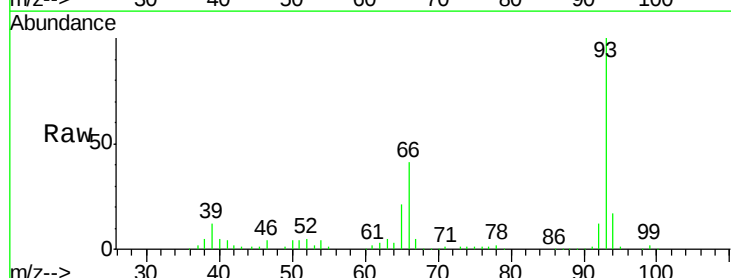
RT: 6.52 min Scan# 754

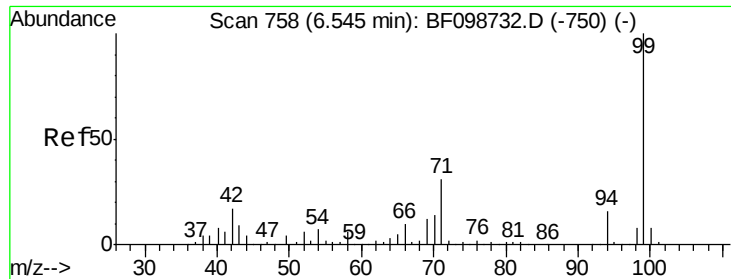
Delta R.T. 0.00 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Tgt Ion:	93	Resp:	298464
Ion Ratio		Lower	Upper
93	100		
66	41.2	32.2	48.2
65	21.0	16.4	24.6





#7

Phenol-d6

Concen: 136.23 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

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BNA_F

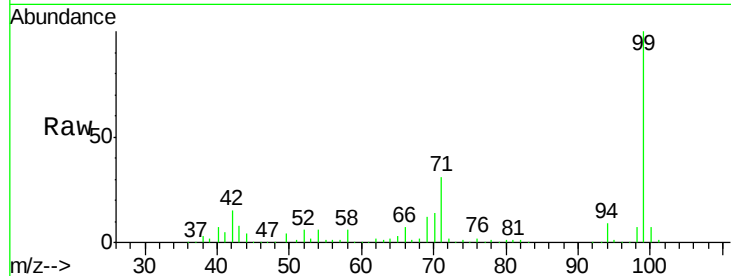
ClientSampleId :

CLEANSAND-11MSD

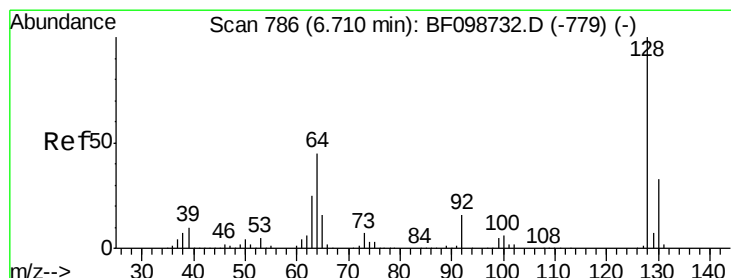
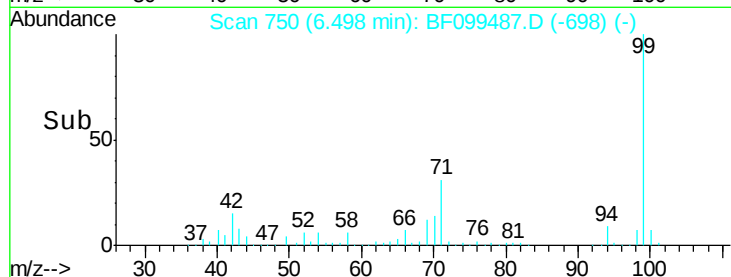
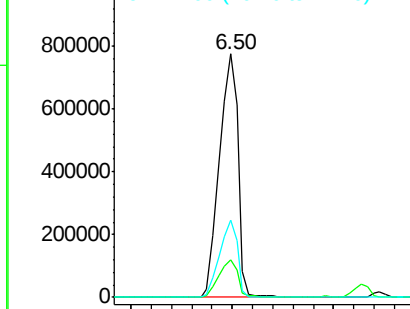
Tgt Ion:	99	Resp:	988111
Ion Ratio	Lower	Upper	
99	100		
42	15.3	14.5	21.7
71	31.5	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 45.21 ng

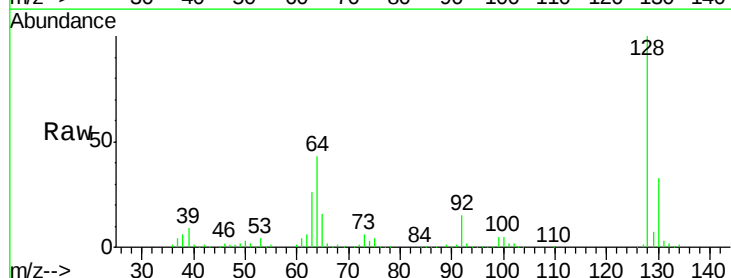
RT: 6.65 min Scan# 775

Delta R.T. 0.00 min

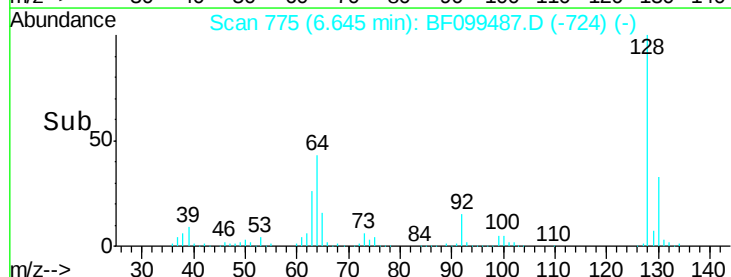
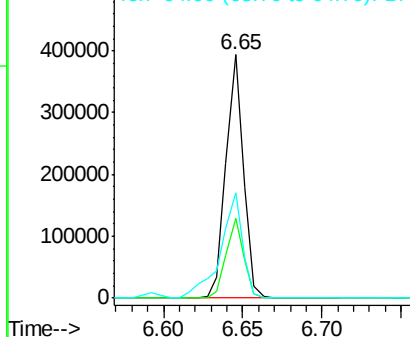
Lab File: BF099487.D

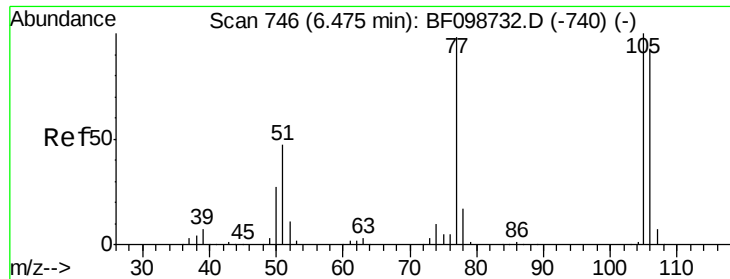
Acq: 14 Oct 2017 20:05

Tgt Ion:	128	Resp:	301055
Ion Ratio	Lower	Upper	
128	100		
130	32.7	13.0	53.0
64	43.2	29.4	69.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 23.57 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

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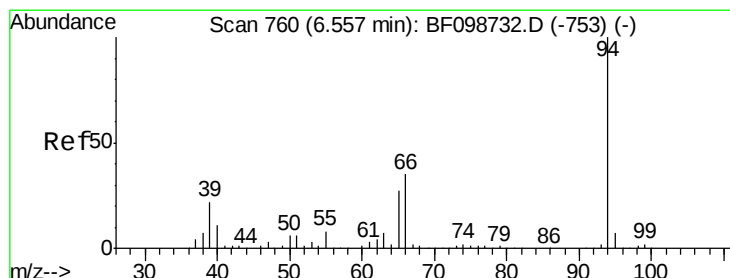
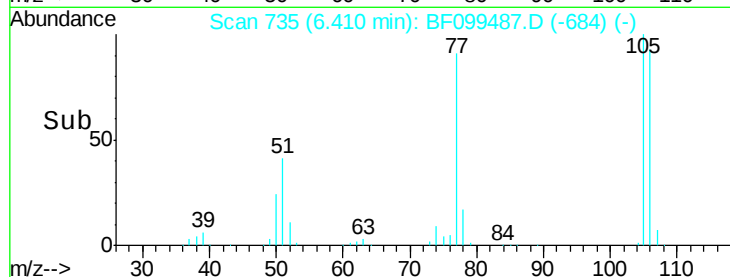
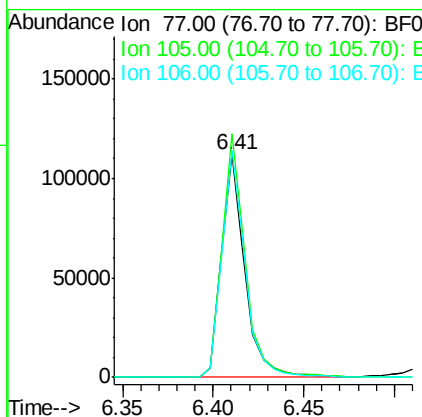
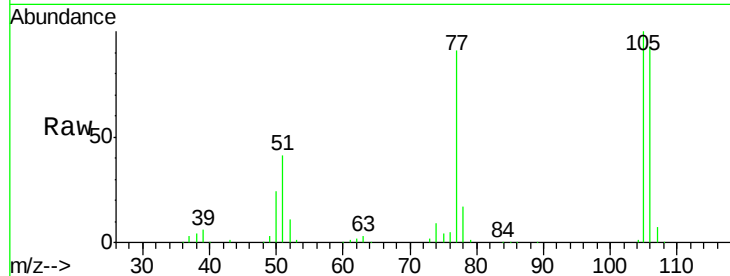
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Tgt Ion: 77 Resp: 99184
 Ion Ratio Lower Upper
 77 100
 105 109.4 81.1 121.1
 106 102.2 74.5 114.5

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#10

Phenol

Concen: 49.71 ng

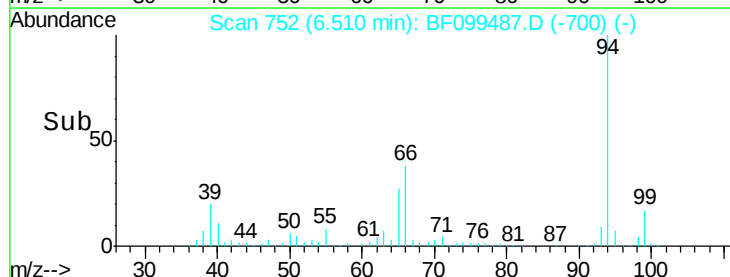
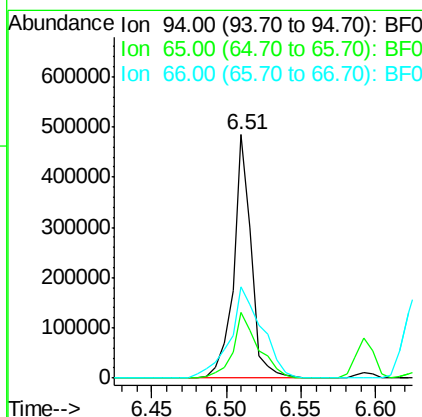
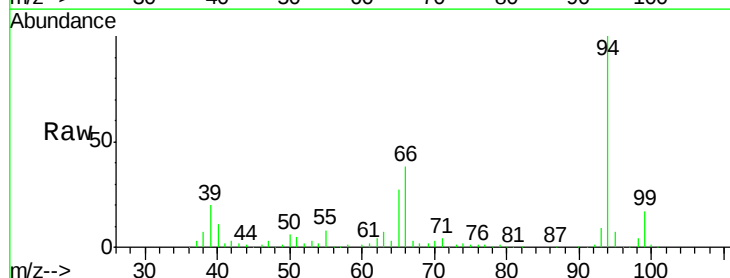
RT: 6.51 min Scan# 752

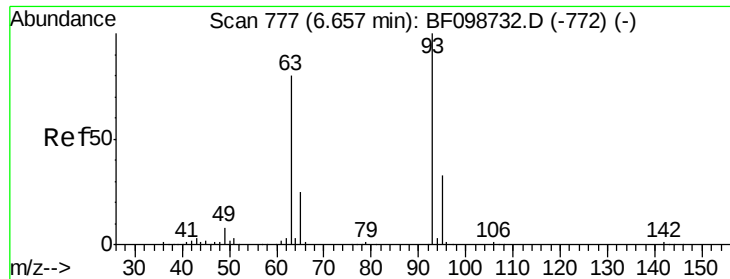
Delta R.T. 0.01 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Tgt Ion: 94 Resp: 403258
 Ion Ratio Lower Upper
 94 100
 65 27.0 7.9 47.9
 66 37.7 16.2 56.2





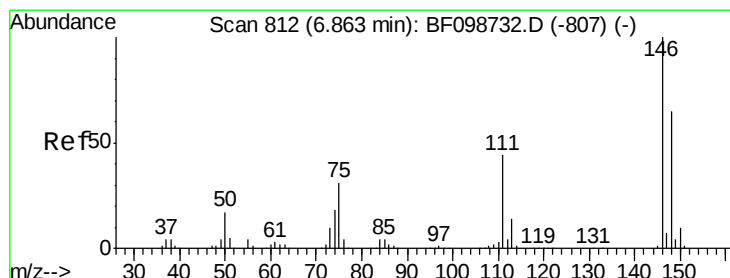
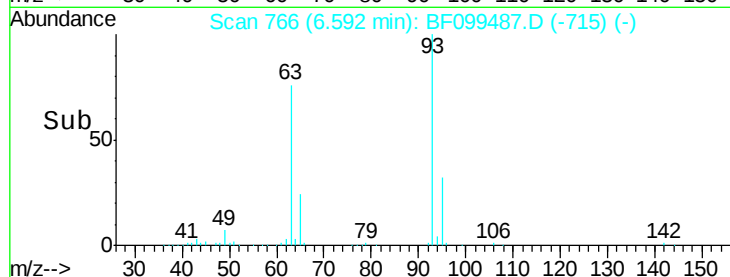
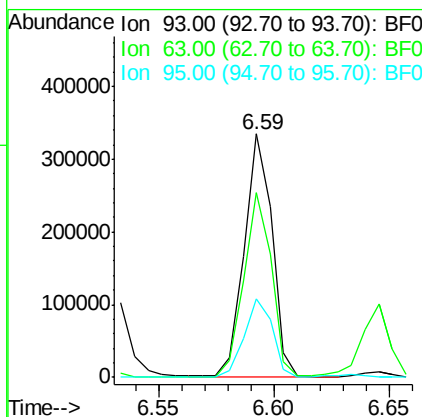
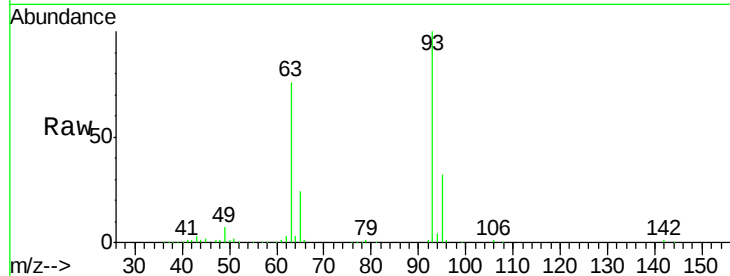
#11
bis(2-Chloroethyl)ether
Concen: 44.53 ng
RT: 6.59 min Scan# 766
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
63	75.8	58.6	98.6
95	32.4	11.8	51.8

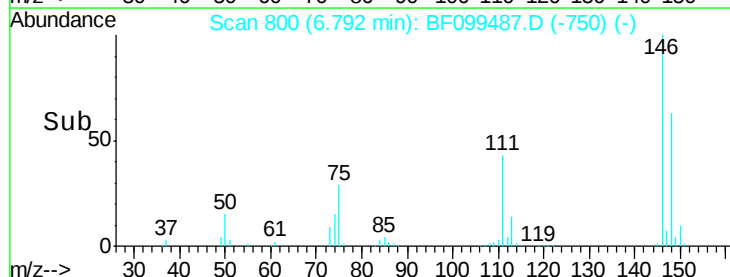
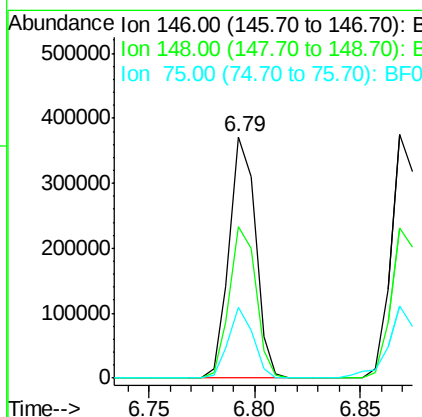
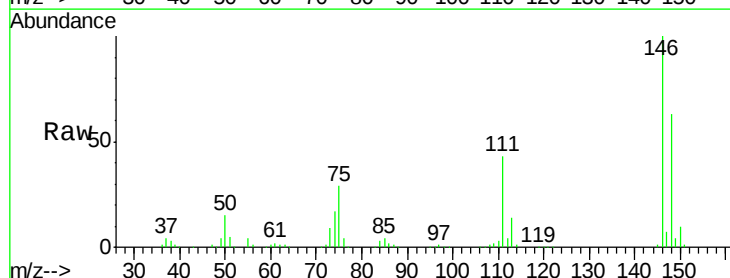
Manual Integrations
APPROVED

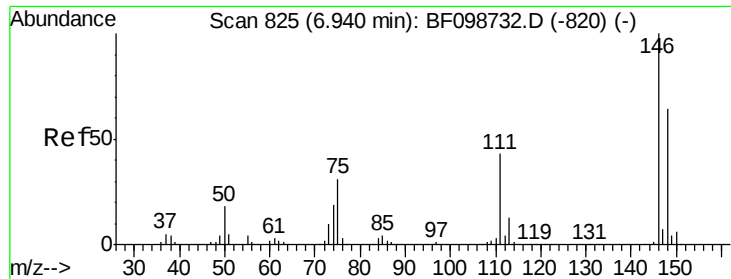
Sohil
10/15/2017 12:41:27 PM



#12
1,3-Dichlorobenzene
Concen: 46.03 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
148	62.5	51.8	77.8
75	29.4	24.2	36.4





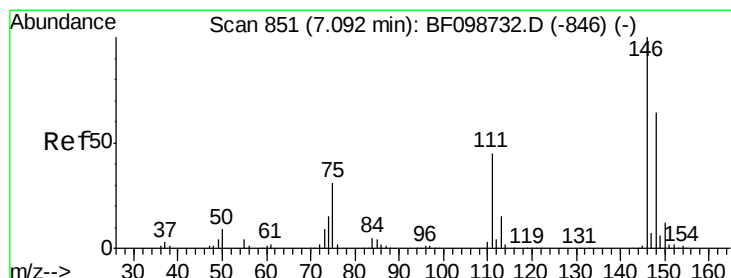
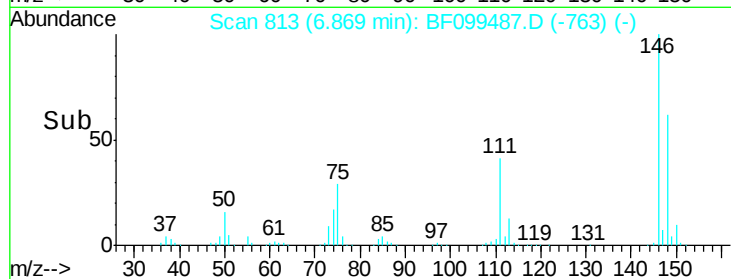
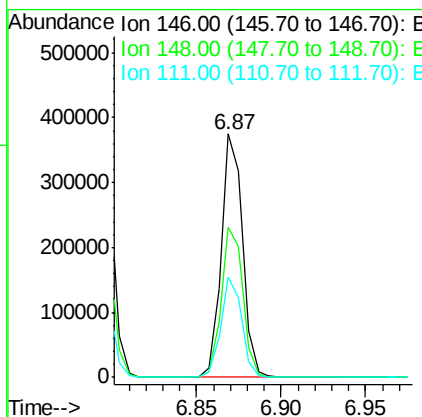
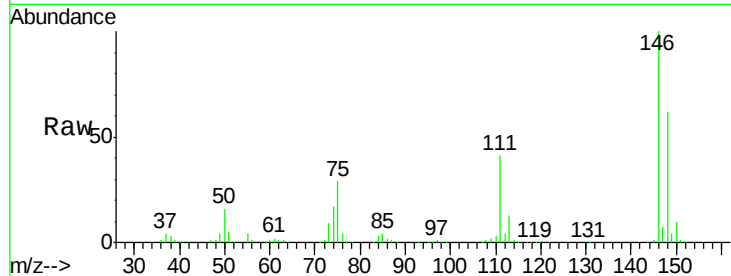
#13
 1,4-Dichlorobenzene
 Concen: 46.12 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Instrument :
 BNA_F
 ClientSampleId :
 CLEANSAND-11MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.5	50.8	76.2
111	41.3	34.2	51.2

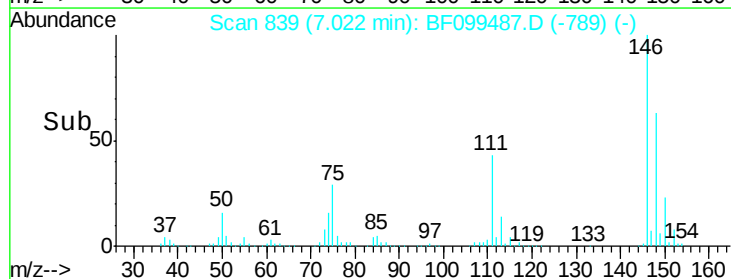
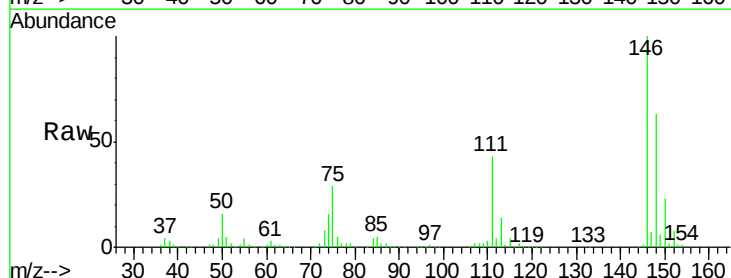
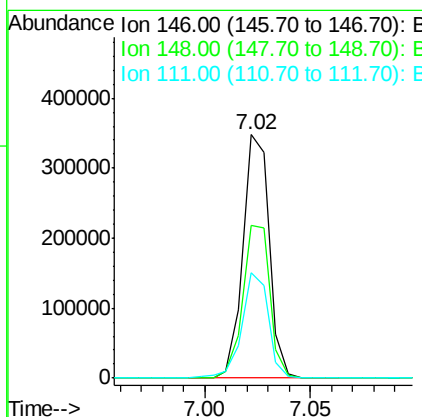
Manual Integrations
 APPROVED

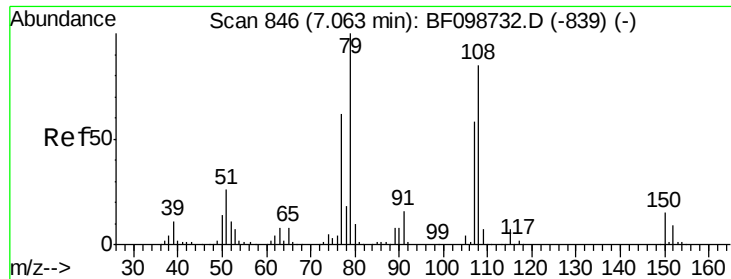
Sohil
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#14
 1,2-Dichlorobenzene
 Concen: 45.88 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.6	75.8
111	43.2	36.0	54.0





#15

Benzyl Alcohol

Concen: 42.29 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.00 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Instrument :

BNA_F

ClientSampleId :

CLEANSAND-11MSD

Tgt Ion: 79 Resp: 225048

Ion Ratio Lower Upper

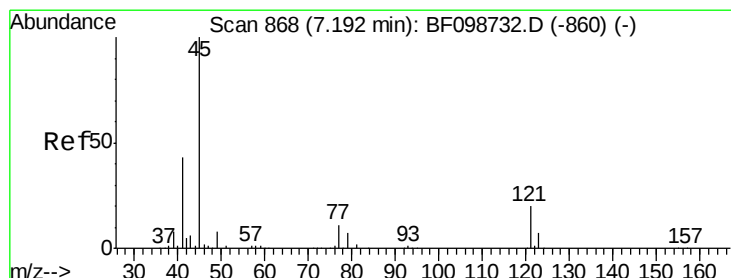
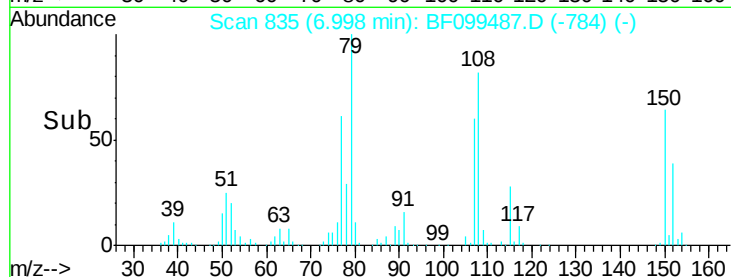
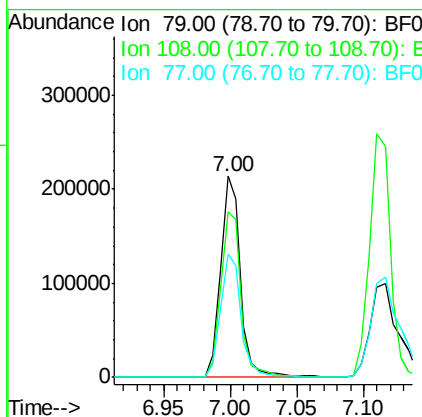
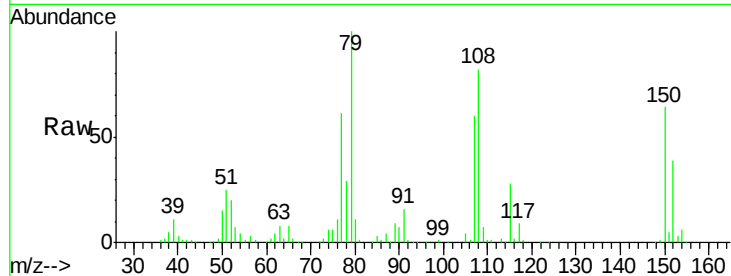
79 100

108 82.5 65.1 97.7

77 61.1 50.6 75.8

Manual Integrations
APPROVED

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.81 ng

RT: 7.13 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

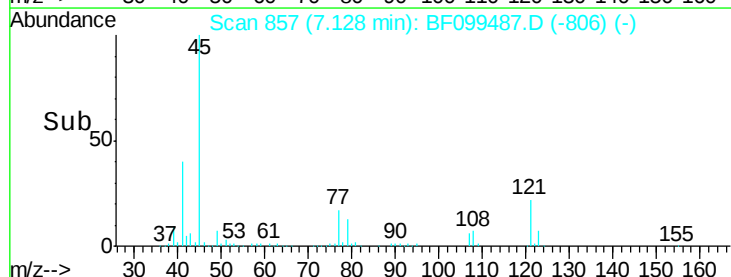
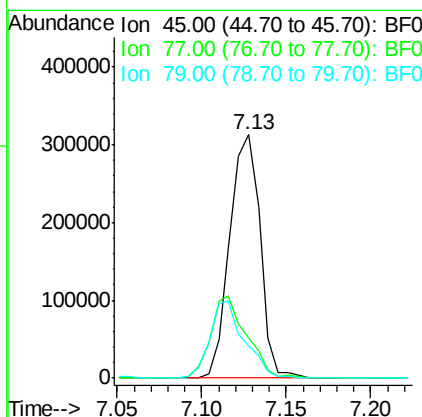
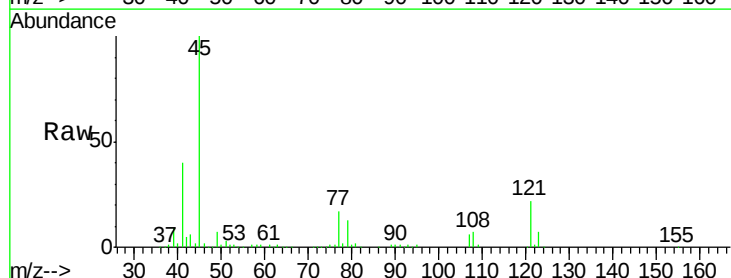
Tgt Ion: 45 Resp: 391118

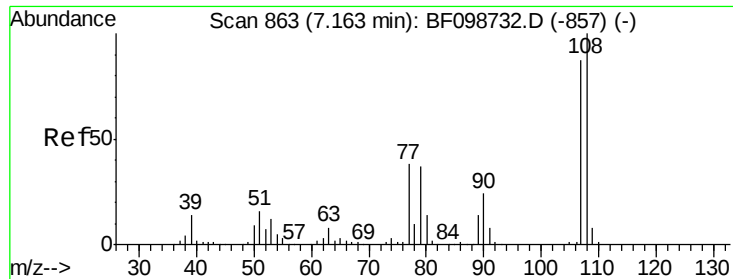
Ion Ratio Lower Upper

45 100

77 16.5 0.0 32.9

79 13.5 0.0 29.6





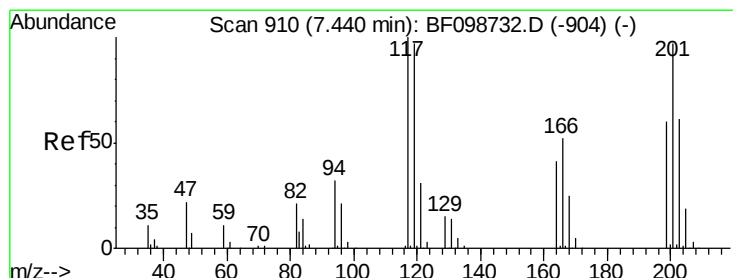
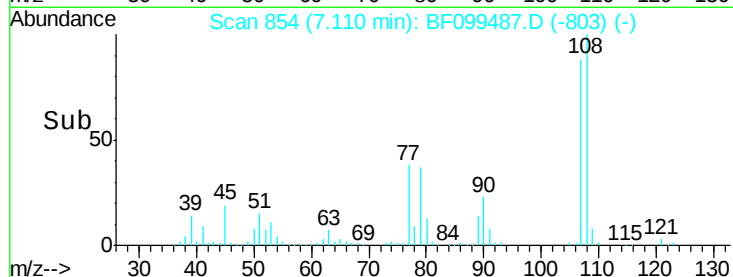
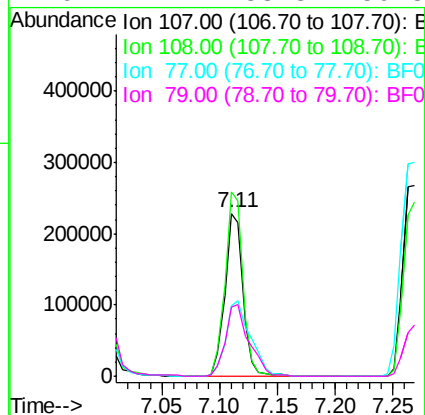
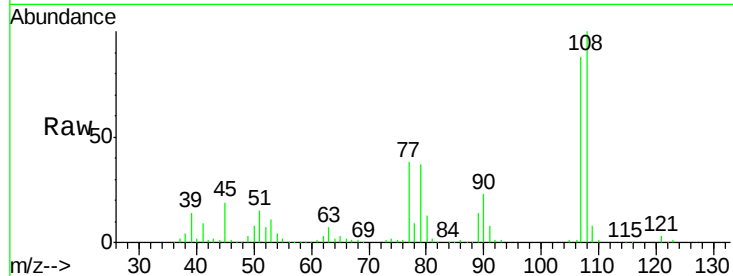
#17
2-Methylphenol
Concen: 45.28 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	246669		
108	113.5	91.7	137.5	
77	43.6	33.8	50.8	
79	42.2	33.8	50.8	

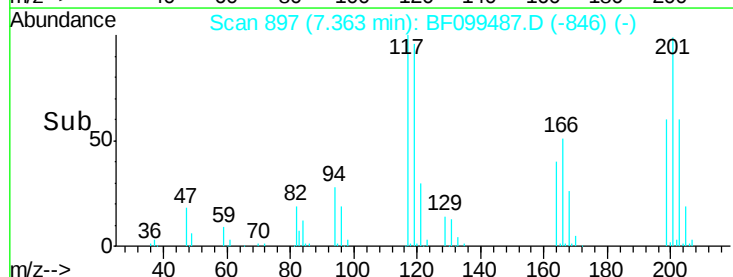
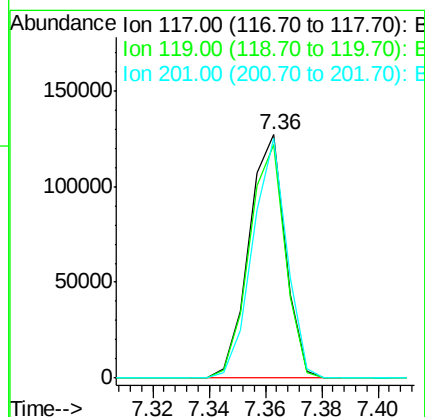
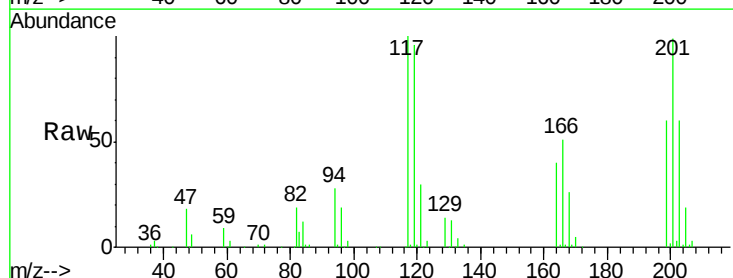
Manual Integrations
APPROVED

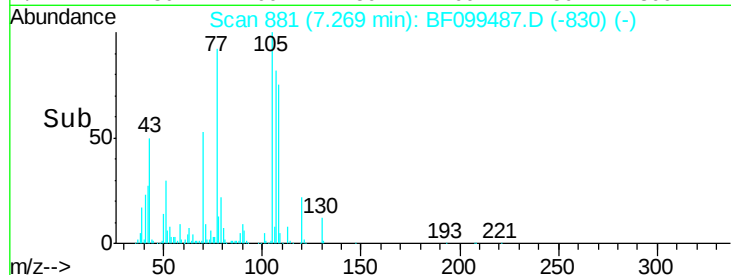
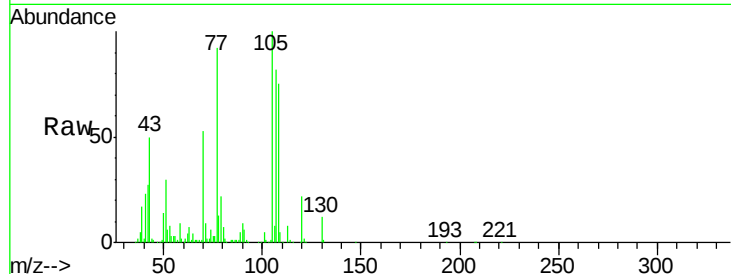
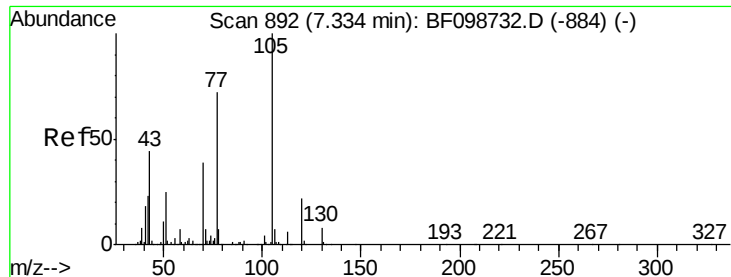
Sohil
10/15/2017 12:41:27 PM



#18
Hexachloroethane
Concen: 44.47 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	113398		
119	96.0	75.8	113.8	
201	98.5	75.7	113.5	





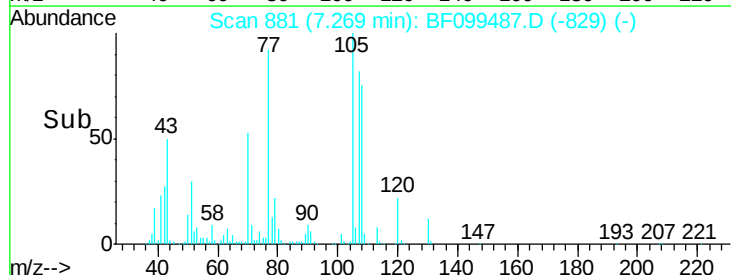
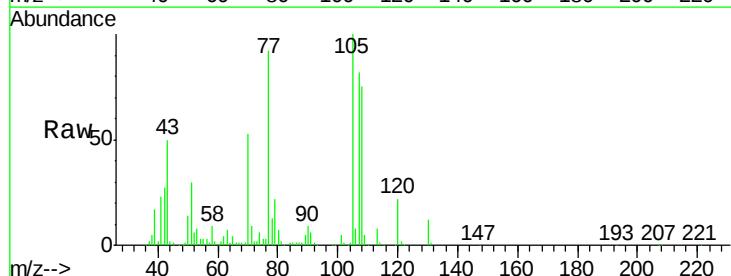
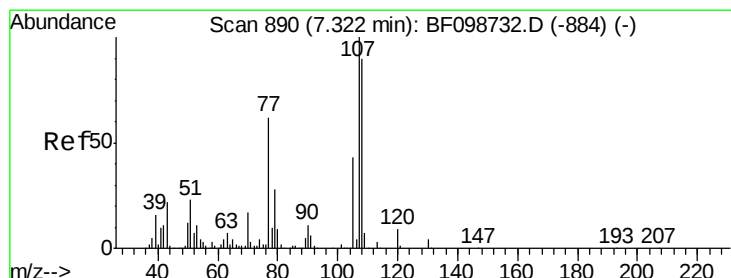
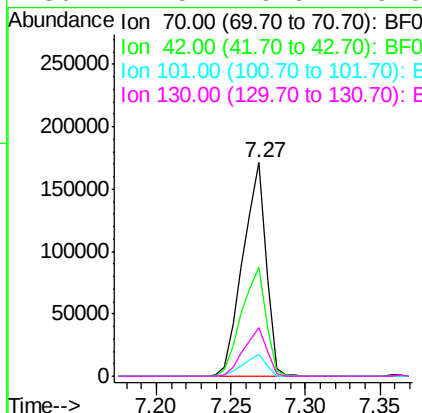
#19
n-Nitroso-di-n-propylamine
Concen: 40.06 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ratio	Lower	Upper
70	100		
42	51.0	47.5	71.3
101	9.9	7.4	11.2
130	22.5	16.6	25.0

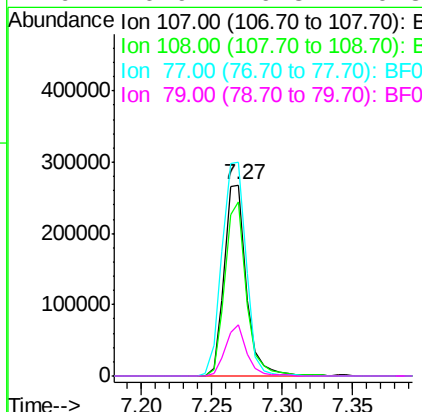
Manual Integrations
APPROVED

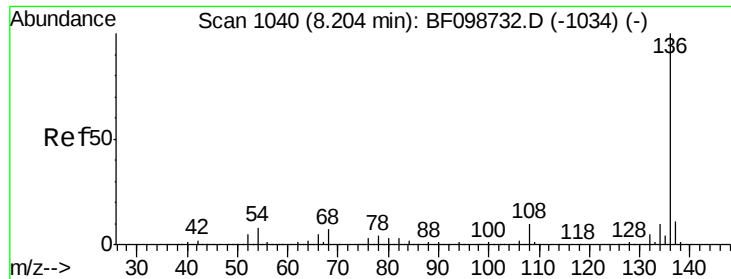
Sohil
10/15/2017 12:41:27 PM



#20
3+4-Methylphenols
Concen: 42.60 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.3	68.2	108.2
77	111.6	26.7	66.7#
79	26.9	6.3	46.3





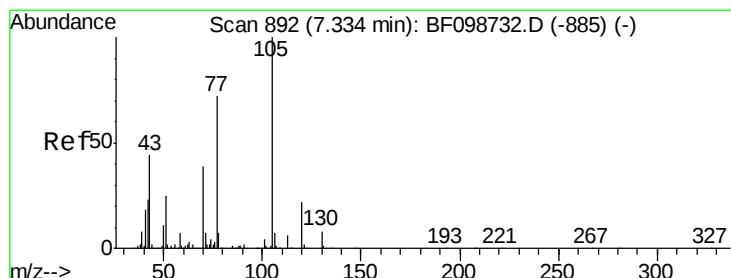
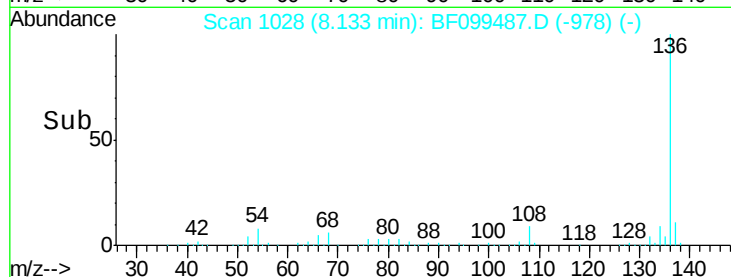
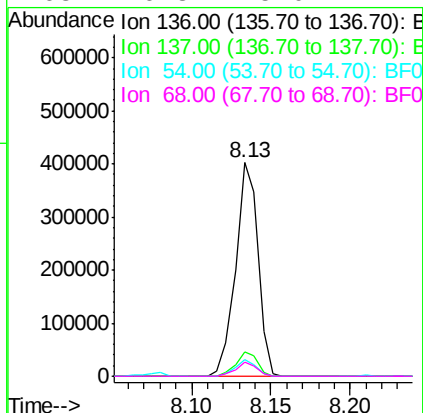
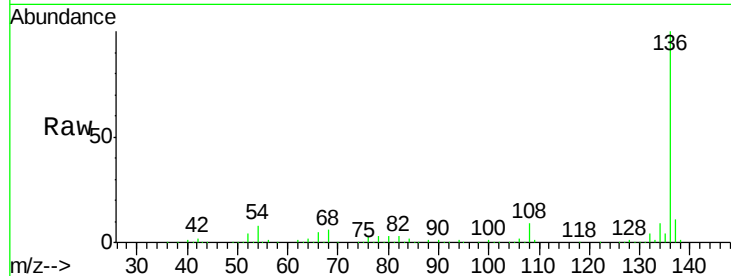
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	393362		
137	11.2	8.9	13.3	
54	7.6	6.6	9.8	
68	6.3	5.0	7.4	

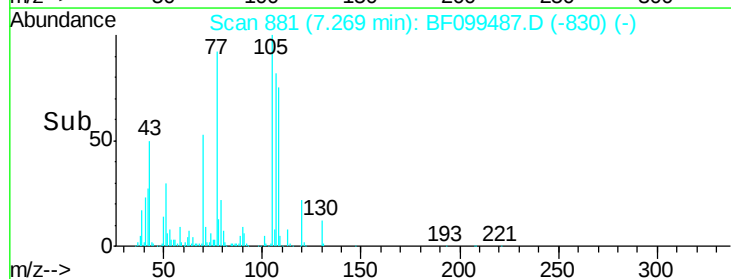
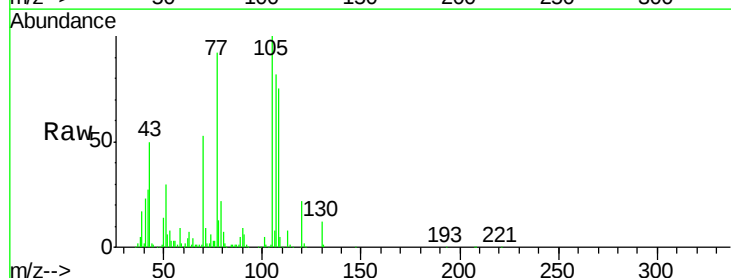
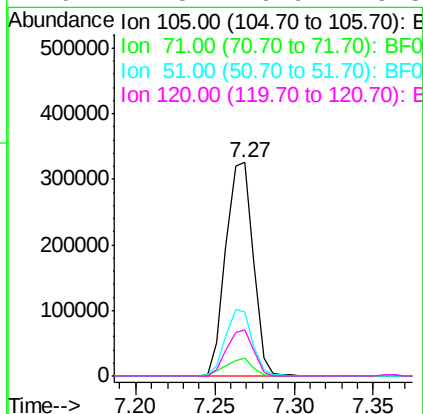
Manual Integrations
APPROVED

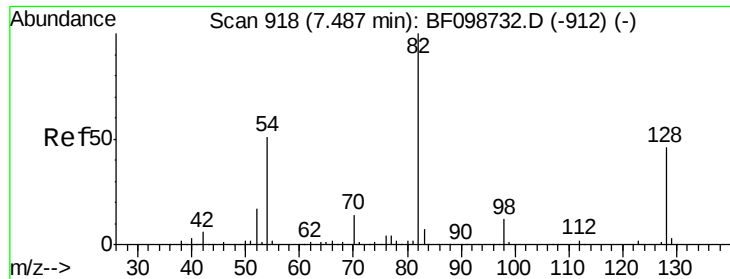
Sohil
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#22
Acetophenone
Concen: 41.03 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	391032		
71	8.7	4.4	6.6#	
51	29.9	22.3	33.5	
120	21.8	16.9	25.3	





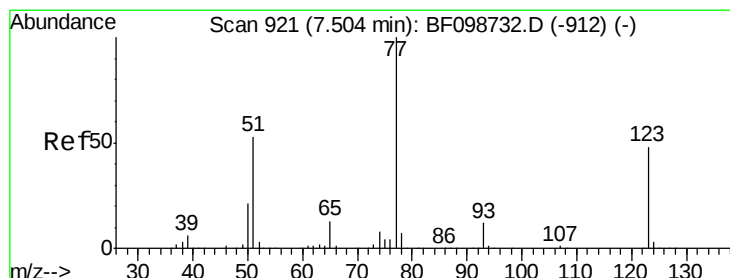
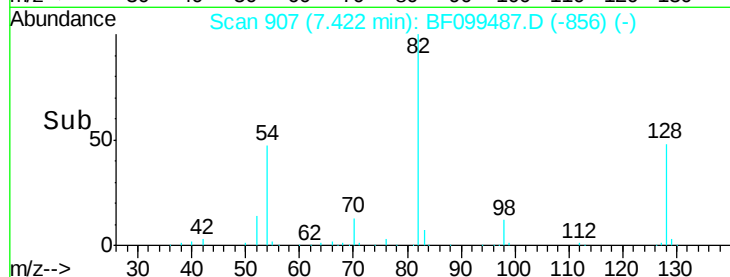
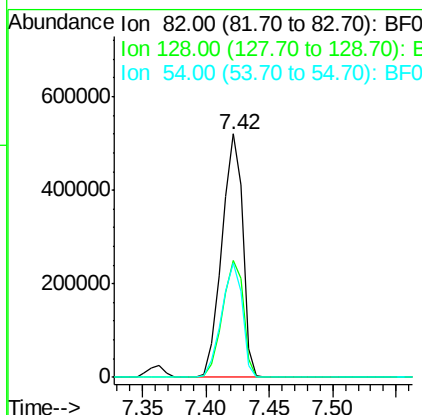
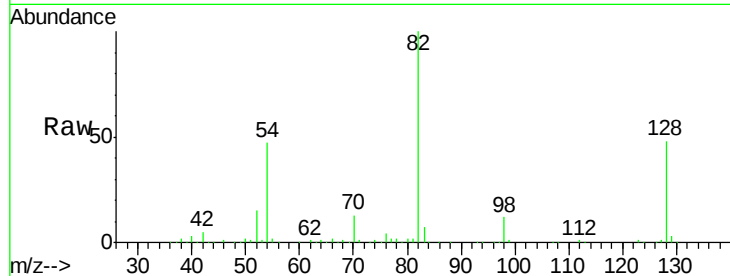
#23
Nitrobenzene-d5
Concen: 96.90 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	594385		
128	48.1	36.1	54.1	
54	47.2	41.4	62.2	

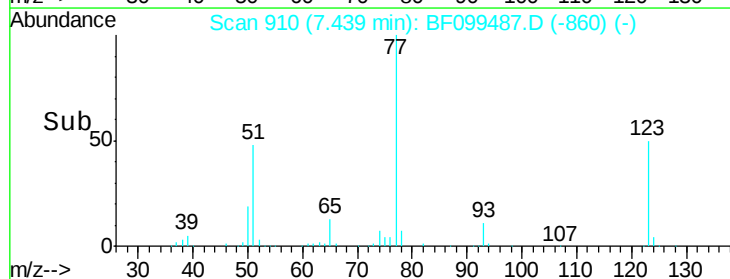
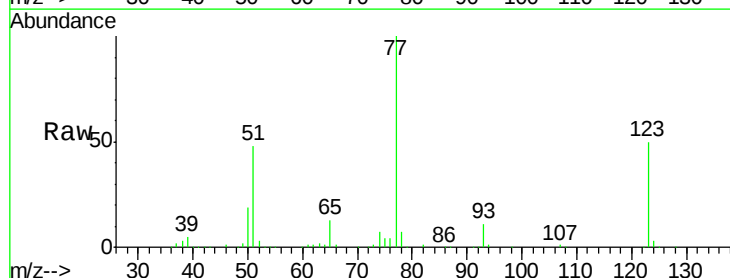
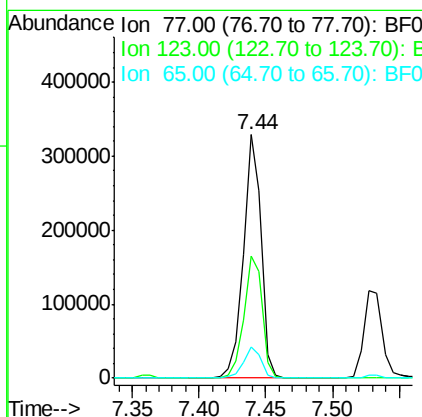
Manual Integrations
APPROVED

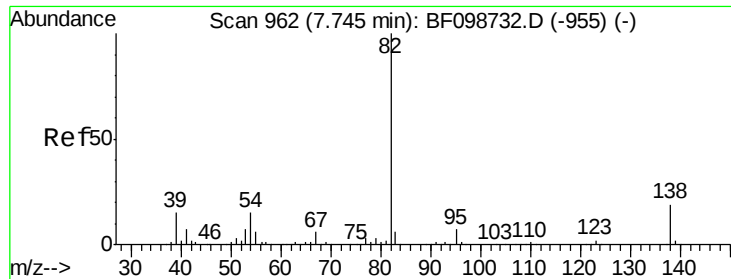
Sohil
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#24
Nitrobenzene
Concen: 43.22 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	300749		
123	49.9	37.9	56.9	
65	12.5	11.0	16.4	





#25

Isophorone

Concen: 43.72 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Instrument :

BNA_F

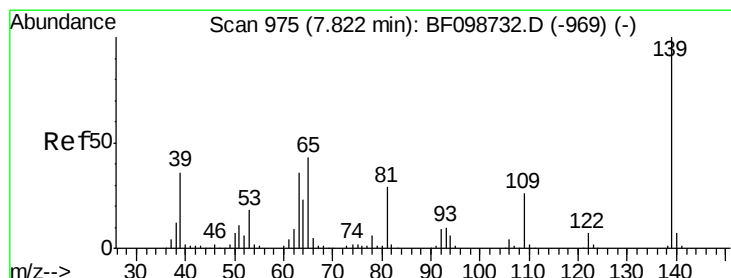
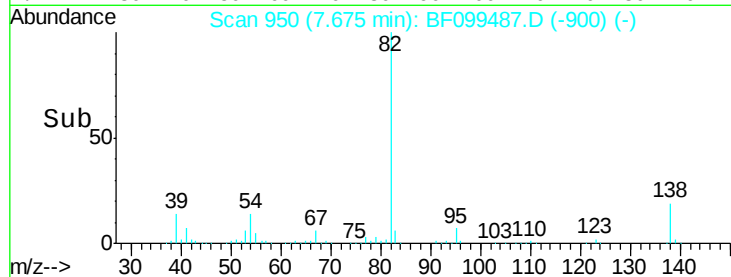
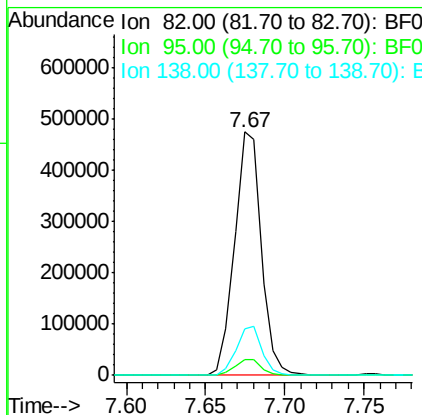
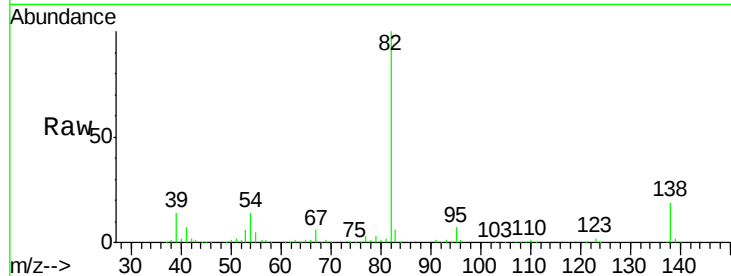
ClientSampleId :

CLEANSAND-11MSD

Tgt Ion:	82	Resp:	554463
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.2	7.8
138	19.1	14.9	22.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 50.28 ng

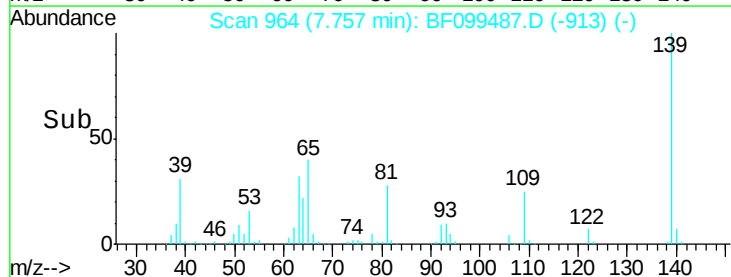
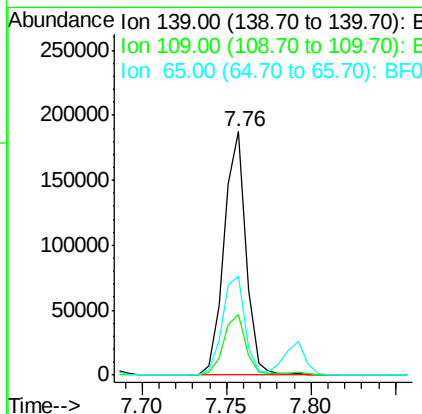
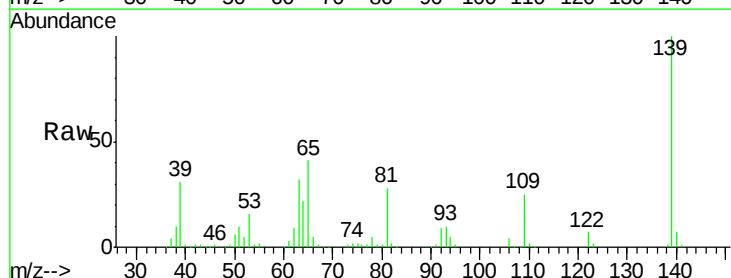
RT: 7.76 min Scan# 964

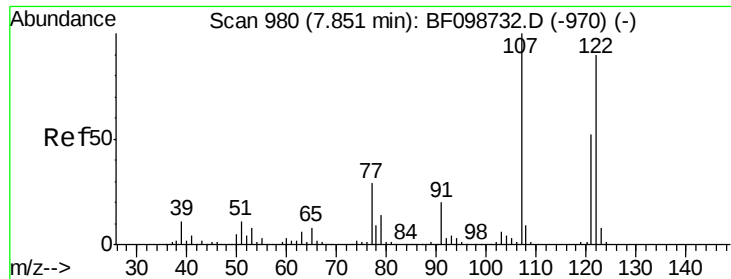
Delta R.T. 0.00 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Tgt Ion:	139	Resp:	168241
Ion Ratio	Lower	Upper	
139	100		
109	24.9	22.7	34.1
65	40.7	40.5	60.7





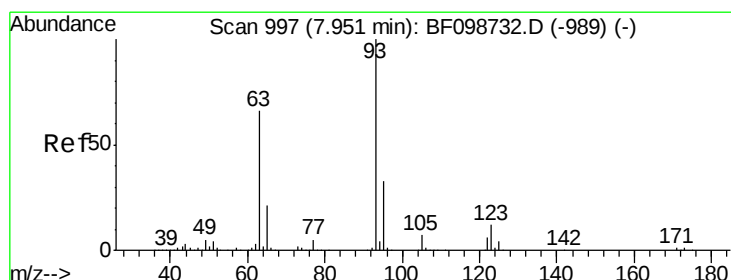
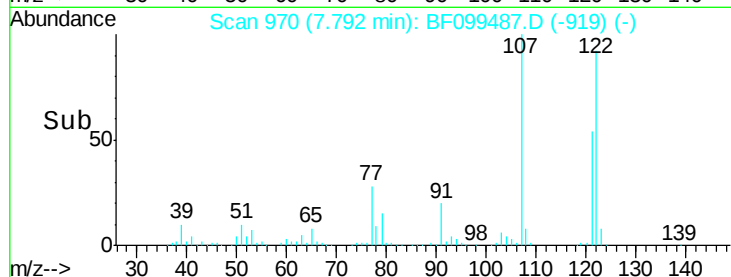
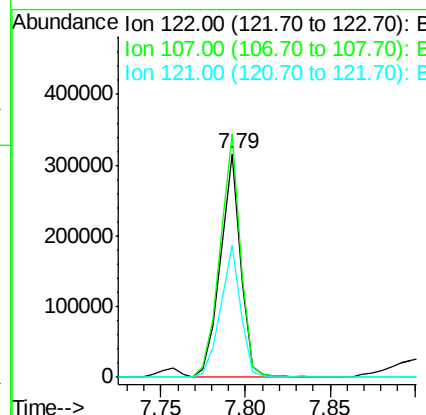
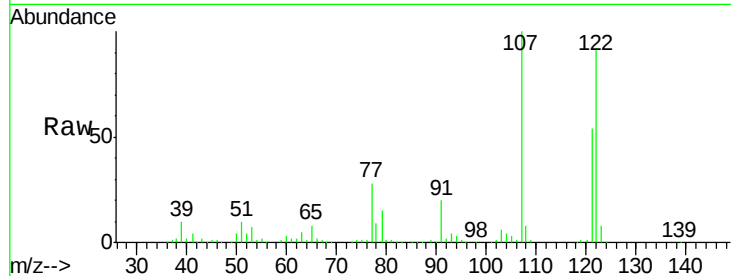
#27
 2,4-Dimethylphenol
 Concen: 42.63 ng
 RT: 7.79 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Instrument :
 BNA_F
 ClientSampleId :
 CLEANSAND-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	269368		
107	108.9	91.2	136.8	
121	59.2	47.2	70.8	

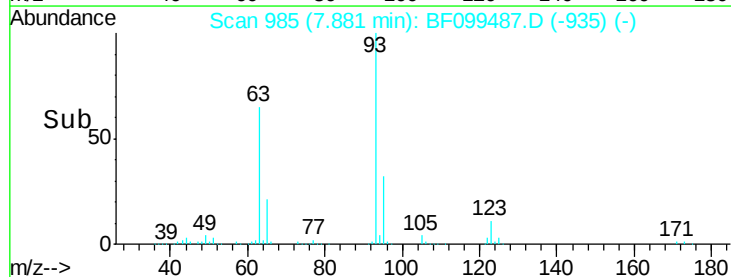
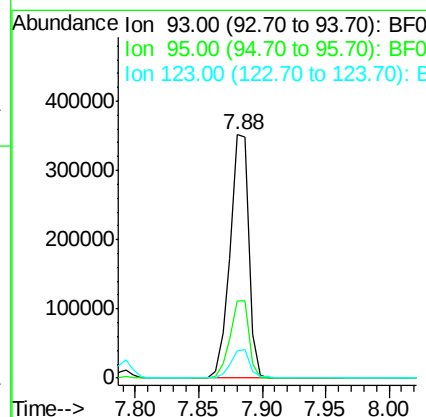
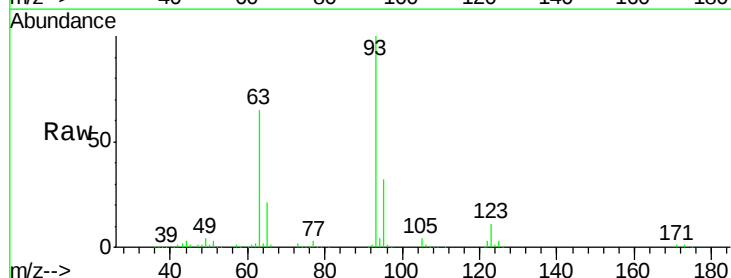
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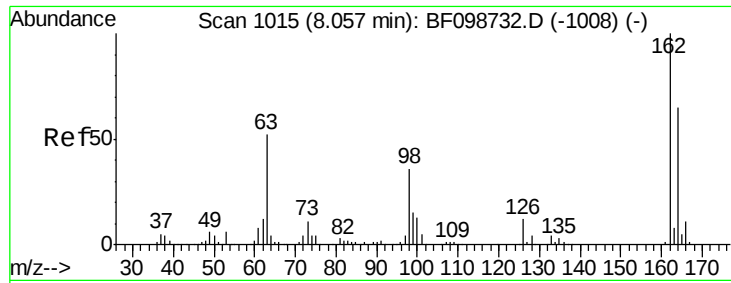
Sohil
 10/15/2017 12:41:27 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 45.70 ng
 RT: 7.88 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	361164		
95	31.6	26.3	39.5	
123	11.3	9.8	14.6	





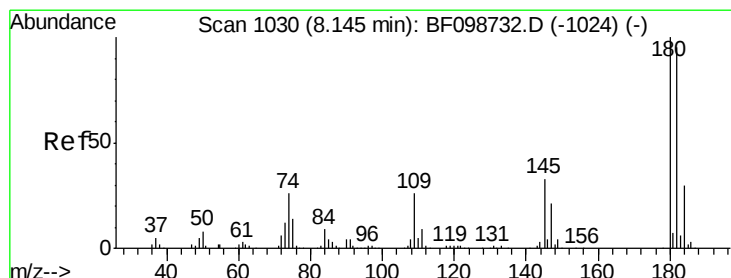
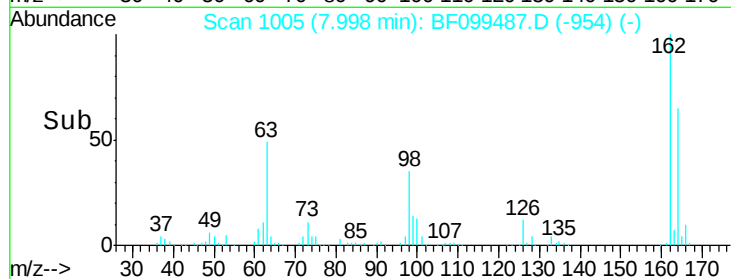
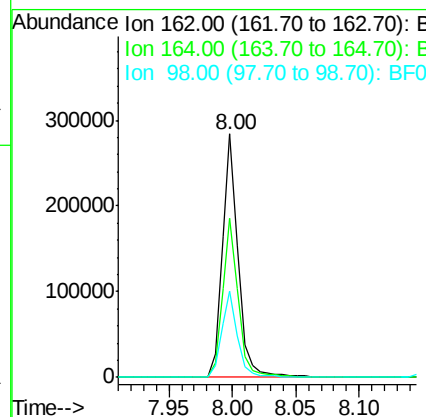
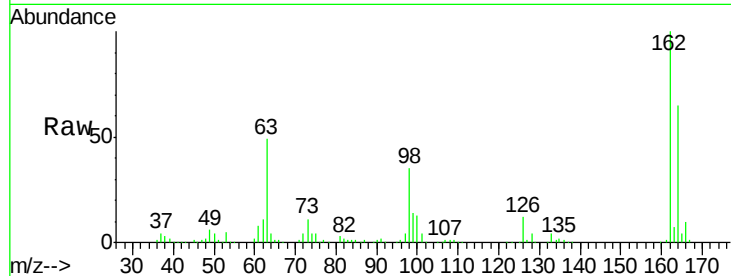
#29
 2,4-Dichlorophenol
 Concen: 46.26 ng
 RT: 8.00 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Instrument :
 BNA_F
 ClientSampleId :
 CLEANSAND-11MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	65.4	42.7	82.7
98	35.2	18.1	58.1

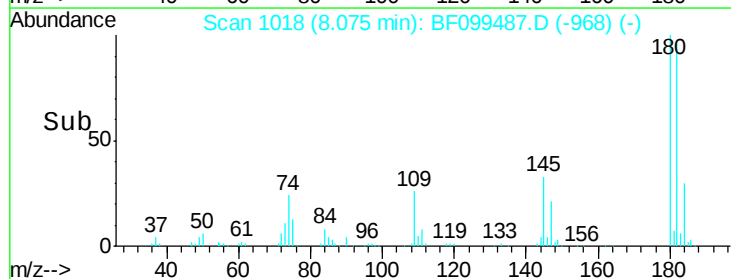
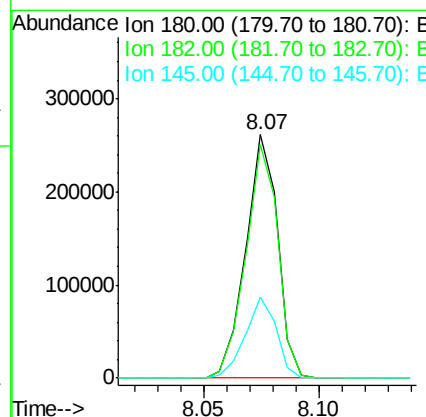
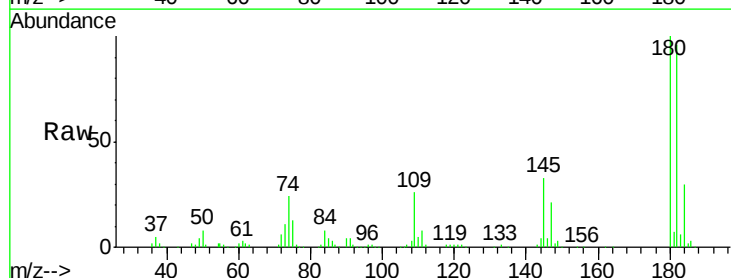
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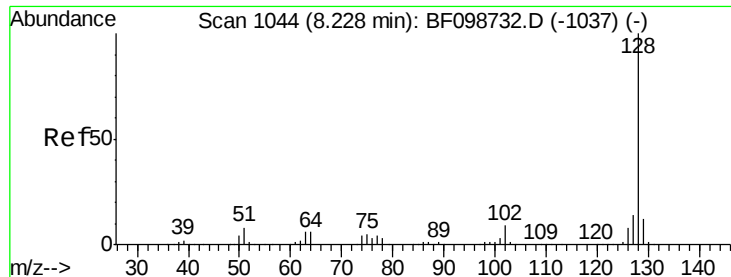
Sohil
 10/15/2017 12:41:27 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 46.56 ng
 RT: 8.07 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.8	76.8	115.2
145	33.1	26.5	39.7





#31

Naphthalene

Concen: 46.22 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Instrument :

BNA_F

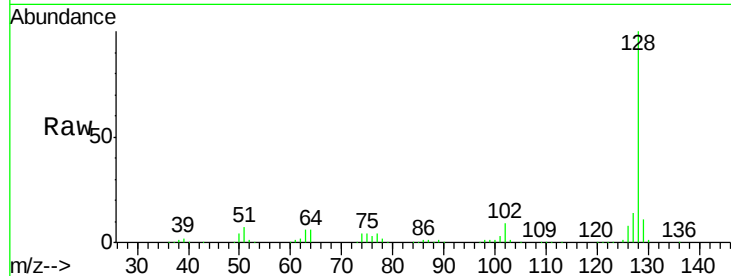
ClientSampleId :

CLEANSAND-11MSD

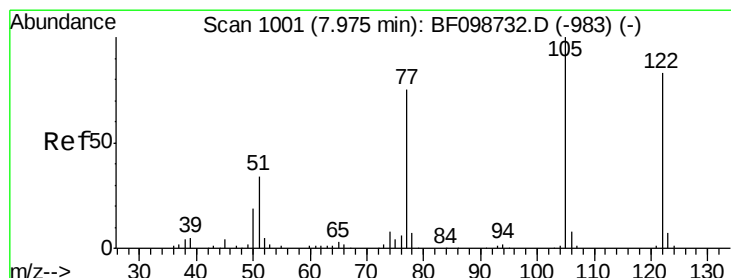
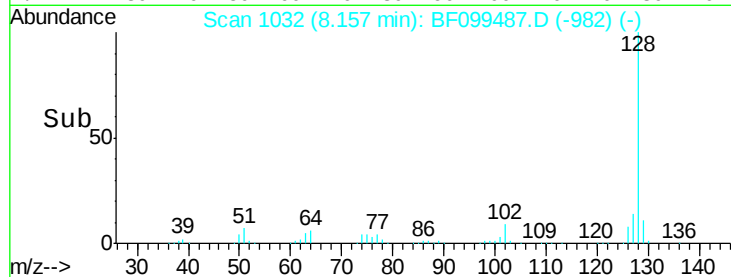
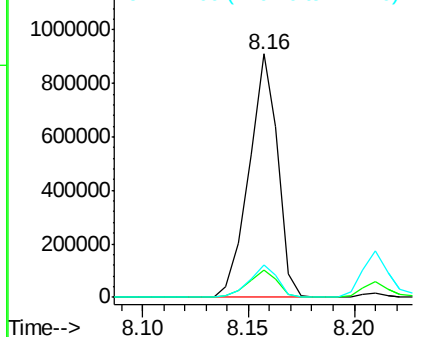
Tgt Ion:	128	Resp:	853990
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.8	13.2
127	13.6	10.9	16.3

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.00 ng

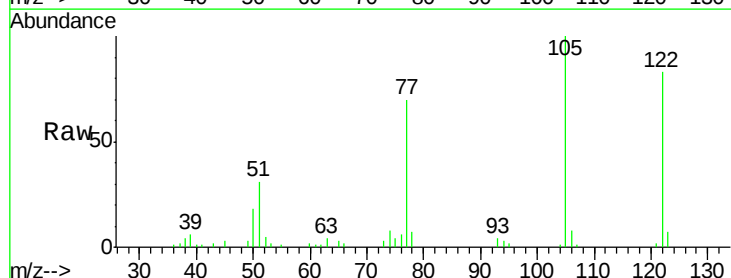
RT: 7.90 min Scan# 989

Delta R.T. -0.02 min

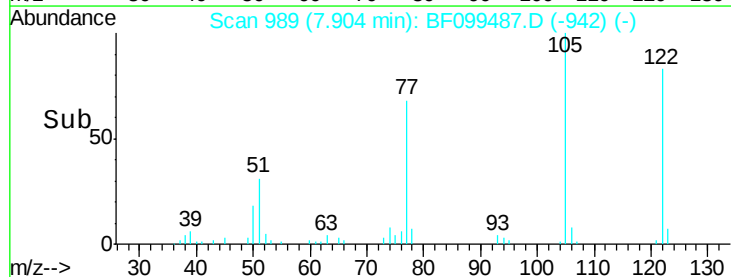
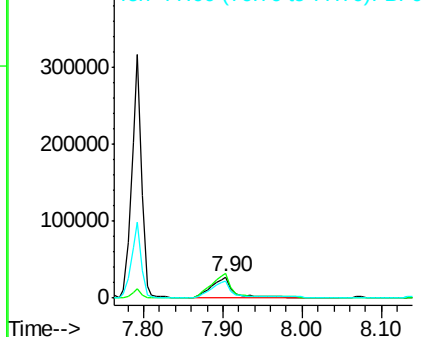
Lab File: BF099487.D

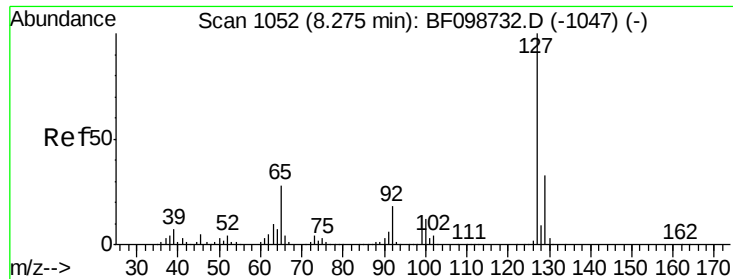
Acq: 14 Oct 2017 20:05

Tgt Ion:	122	Resp:	51924
Ion Ratio	Lower	Upper	
122	100		
105	120.4	101.1	141.1
77	83.9	70.7	110.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





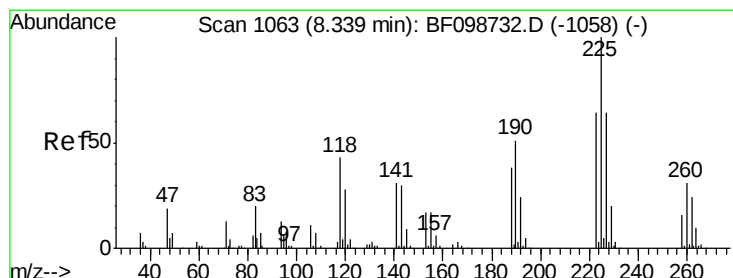
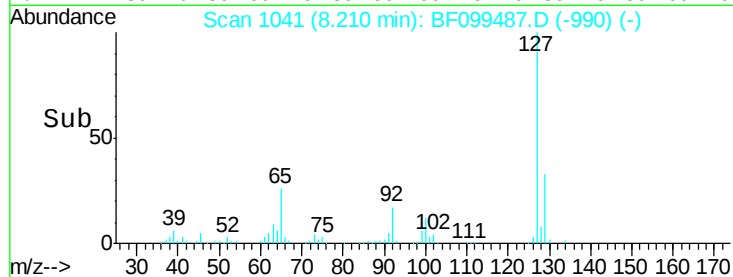
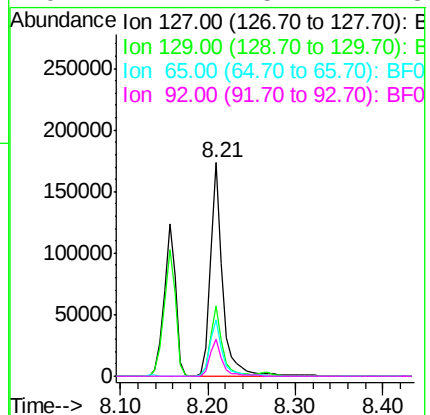
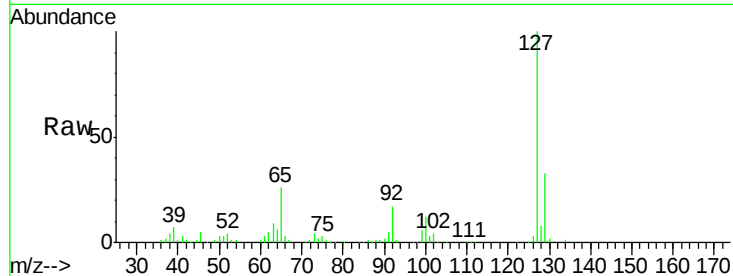
#33
4-Chloroaniline
Concen: 21.96 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
127	100		169457		
129	32.8	25.9	38.9		
65	26.4	25.0	37.4		
92	17.4	15.2	22.8		

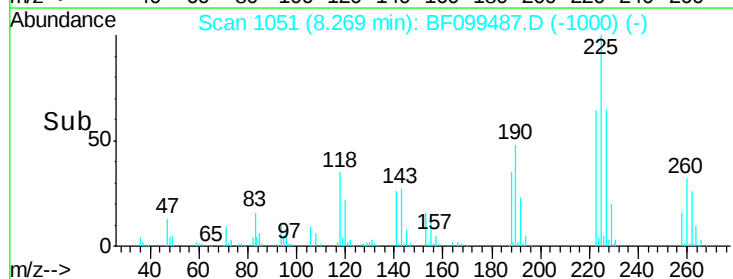
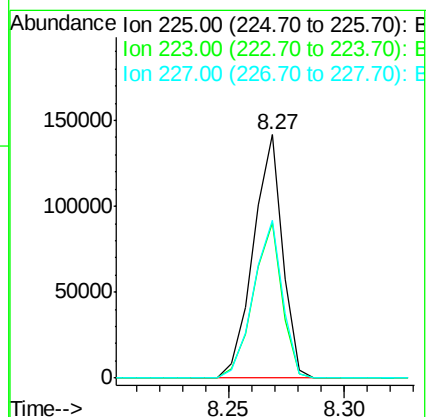
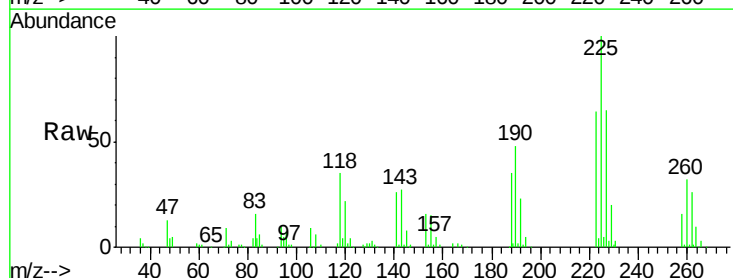
Manual Integrations
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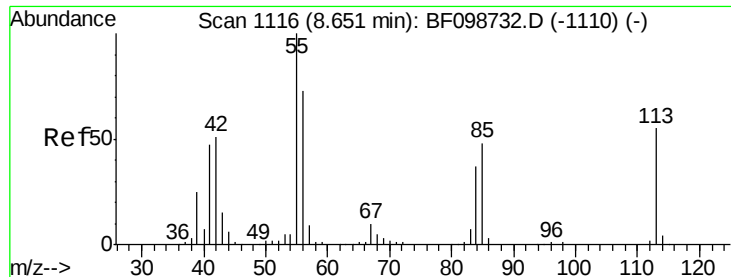
Sohil
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#34
Hexachlorobutadiene
Concen: 44.95 ng
RT: 8.27 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		125627		
223	64.0	50.6	76.0		
227	64.7	51.9	77.9		





#35

Caprolactam

Concen: 43.50 ng m

RT: 8.59 min Scan# 1105

Delta R.T. -0.01 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Instrument :

BNA_F

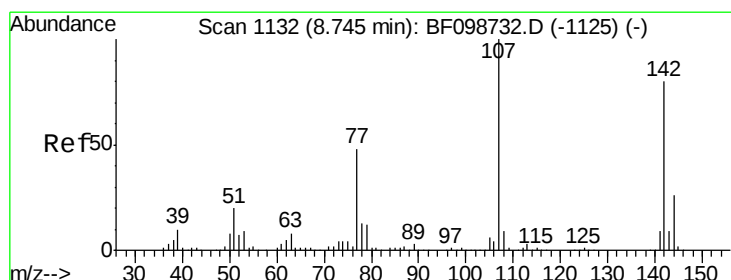
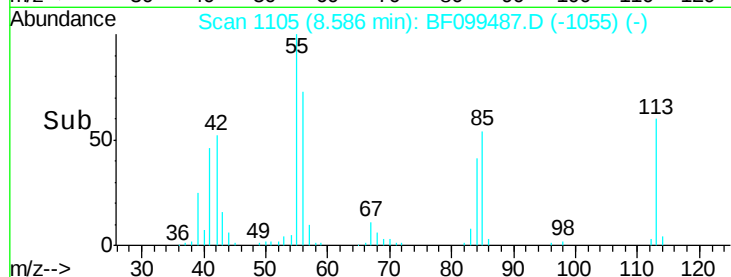
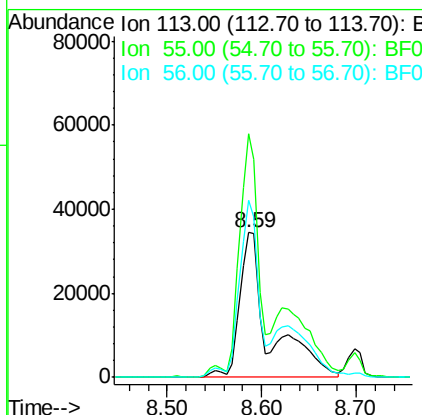
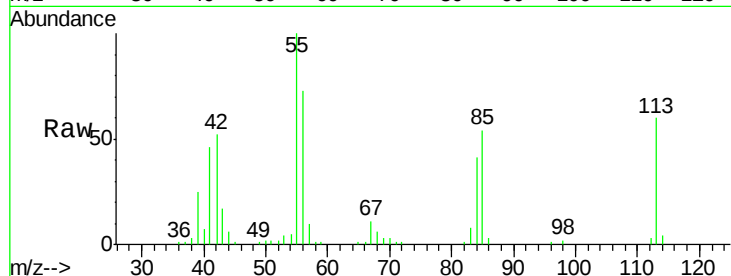
ClientSampleId :

CLEANSAND-11MSD

Tgt Ion	Ratio	Lower	Upper
113	100		
55	167.9	163.3	203.3
56	122.4	115.7	155.7

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#36

4-Chloro-3-methylphenol

Concen: 43.46 ng

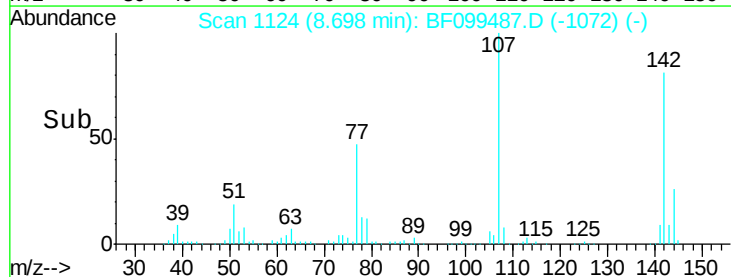
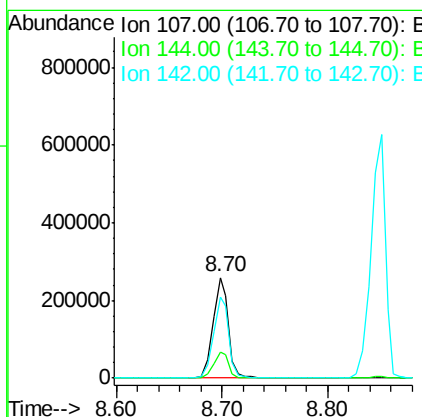
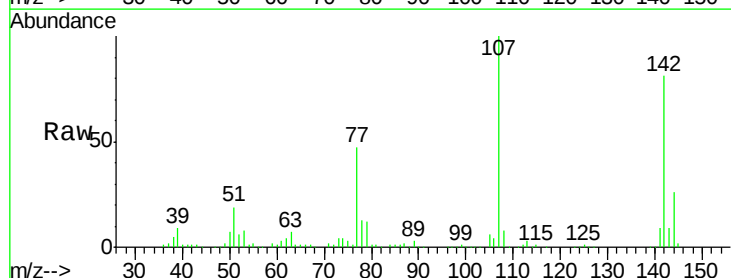
RT: 8.70 min Scan# 1124

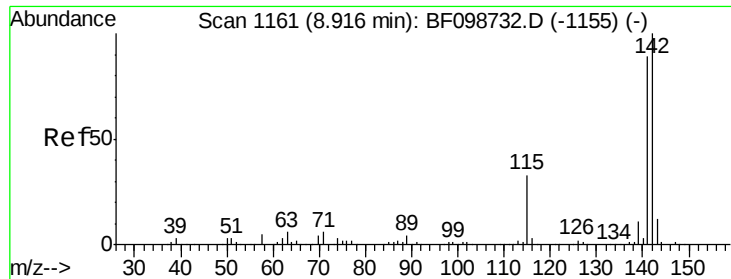
Delta R.T. 0.01 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.5	30.7
142	80.8	62.0	93.0





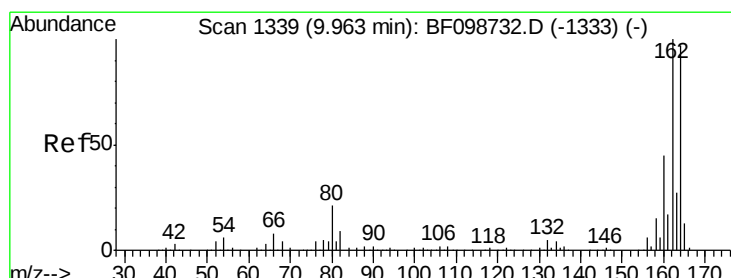
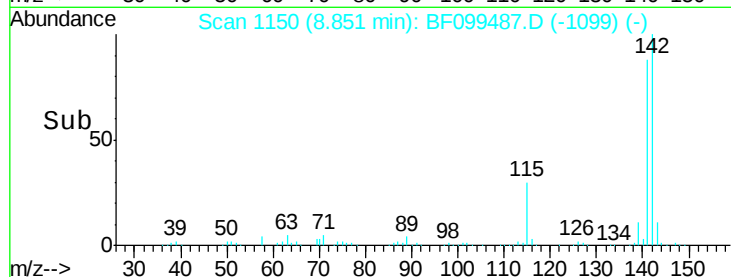
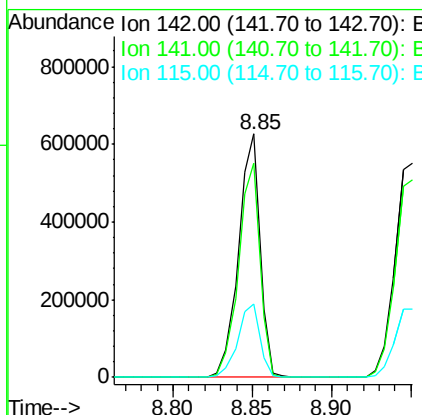
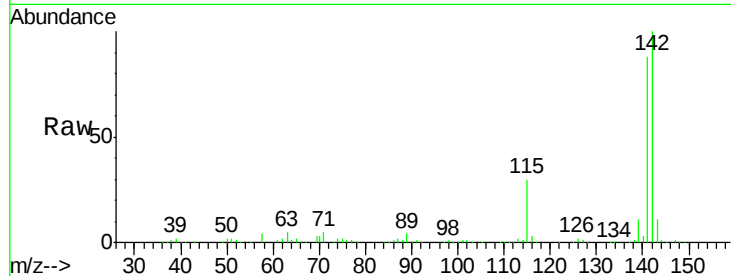
#37
2-Methylnaphthalene
Concen: 49.06 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.8	106.2
115	30.0	26.1	39.1

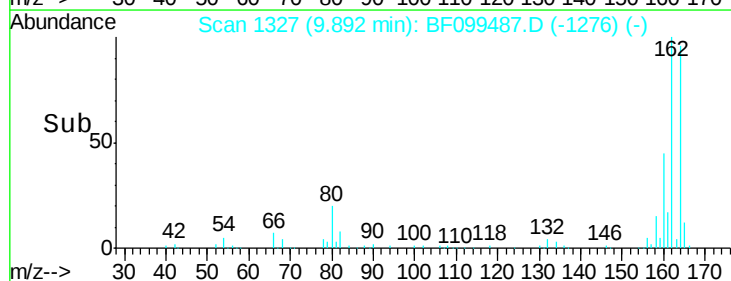
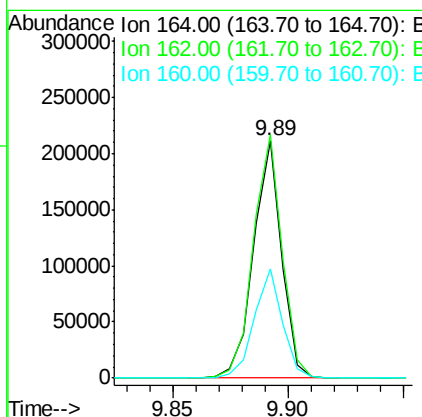
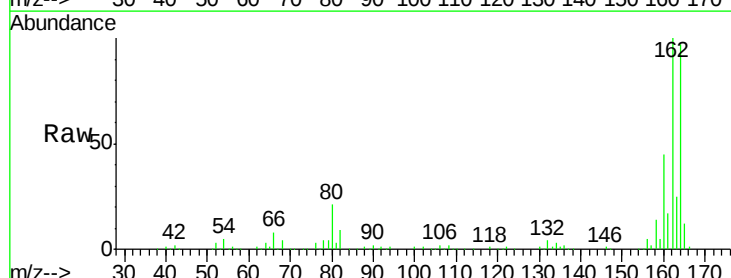
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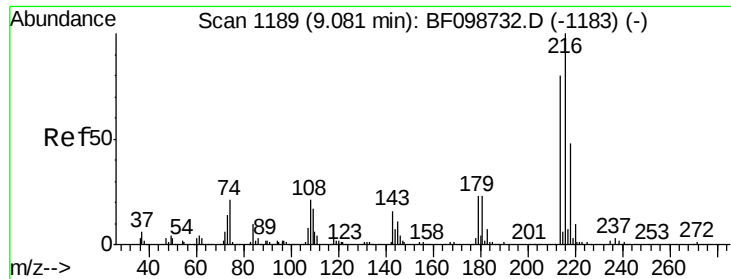
Sohil
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	46.0	38.3	57.5





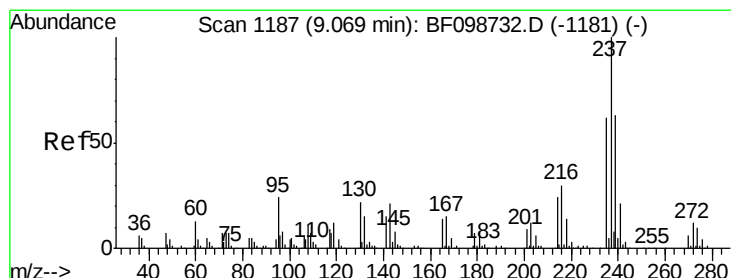
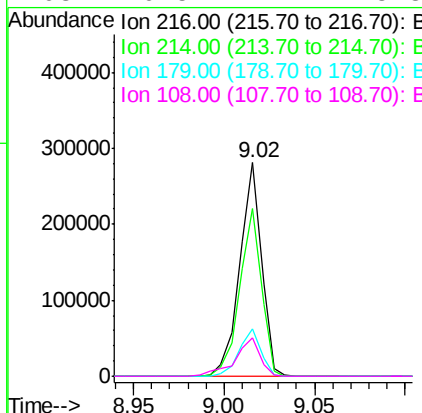
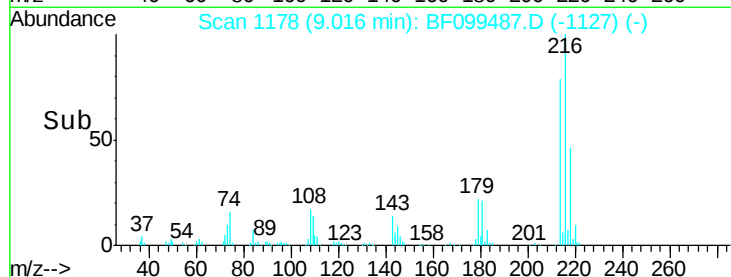
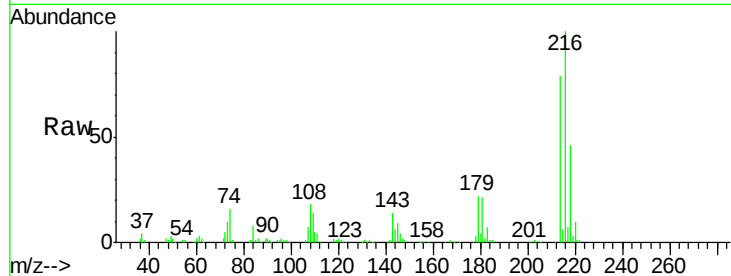
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.14 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Instrument :
 BNA_F
 ClientSampleId :
 CLEANSAND-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	235312		
214	78.3	63.0	94.4	
179	22.2	18.1	27.1	
108	20.5	17.2	25.8	

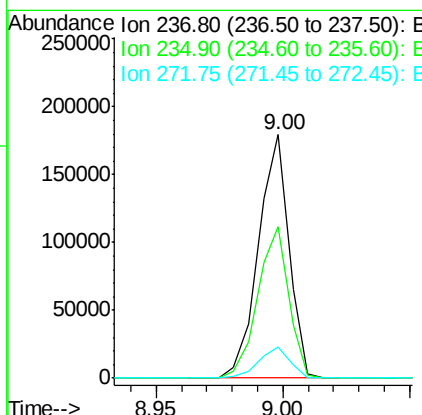
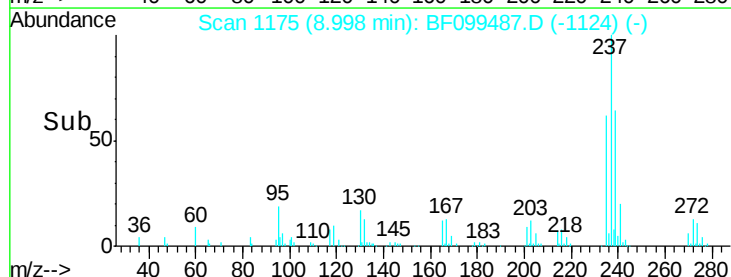
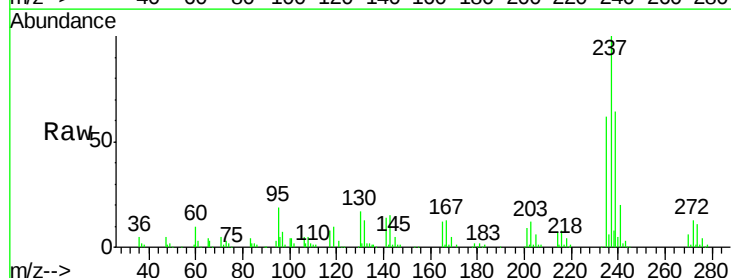
Manual Integrations
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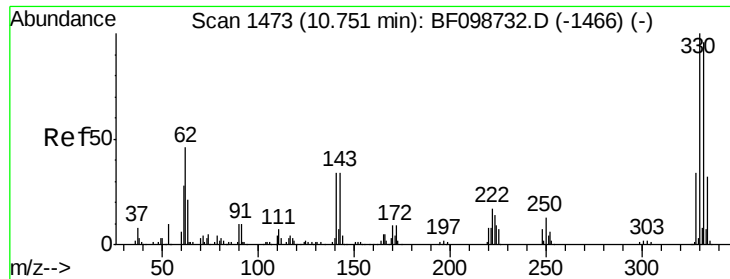
Sohil
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#40
 Hexachlorocyclopentadiene
 Concen: 62.24 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	151643		
235	62.4	44.8	84.8	
272	12.8	0.0	33.3	





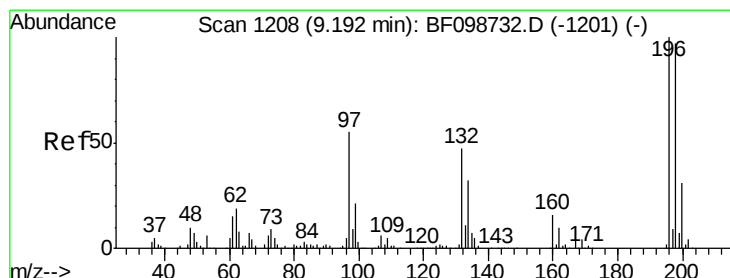
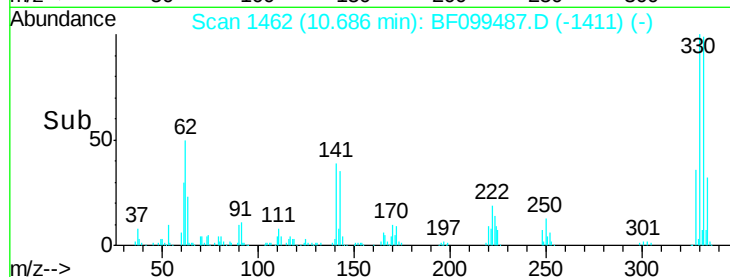
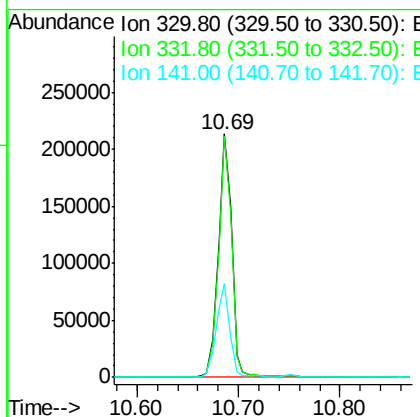
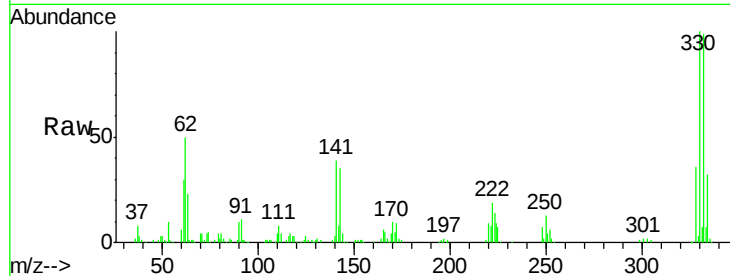
#41
 2,4,6-Tribromophenol
 Concen: 135.91 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Instrument :
 BNA_F
 ClientSampleId :
 CLEANSAND-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	198812		
332	97.3	77.0	115.6	
141	38.4	29.9	44.9	

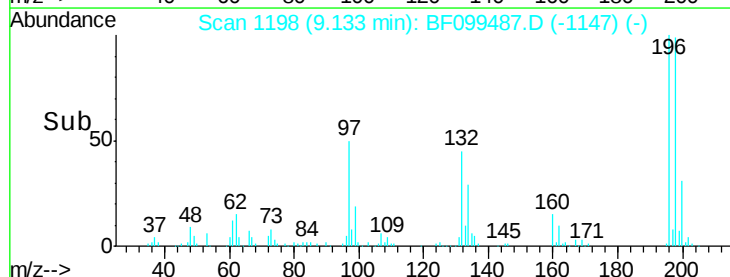
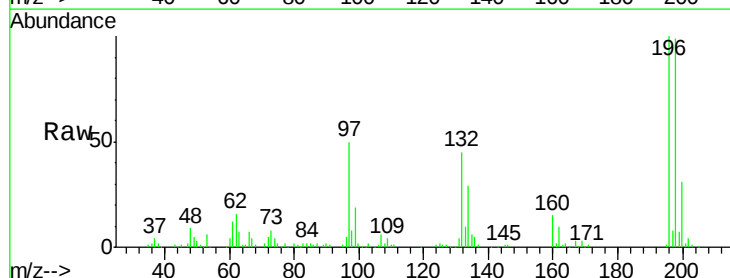
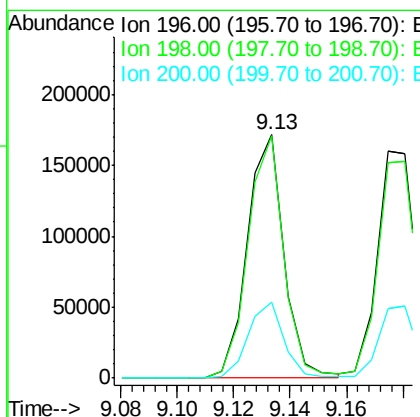
Manual Integrations
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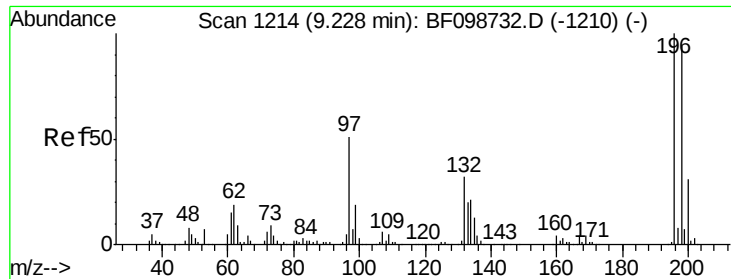
Sohil
 10/15/2017 12:41:27 PM



#42
 2,4,6-Trichlorophenol
 Concen: 40.95 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF099487.D
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Tgt Ion	Ratio	Resp	Lower	Upper
196	100	154657		
198	99.4	75.7	113.5	
200	31.4	24.5	36.7	





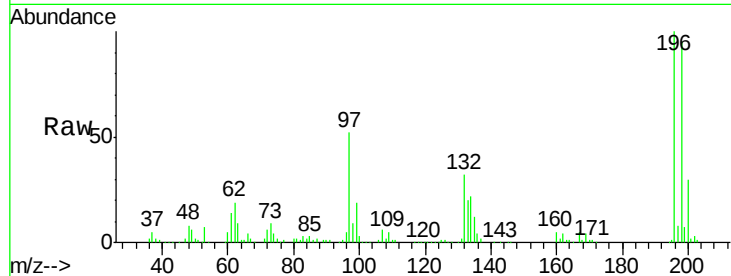
#43
 2,4,5-Trichlorophenol
 Concen: 42.93 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Instrument :
 BNA_F
 ClientSampleId :
 CLEANSAND-11MSD

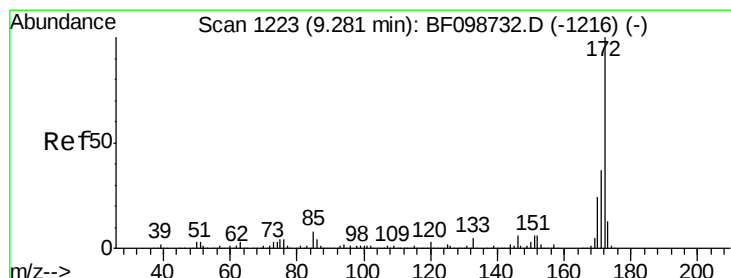
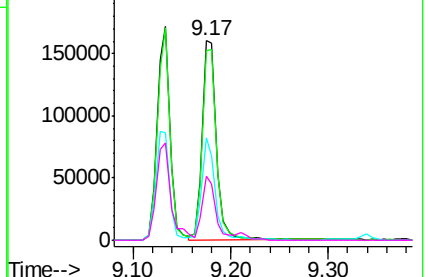
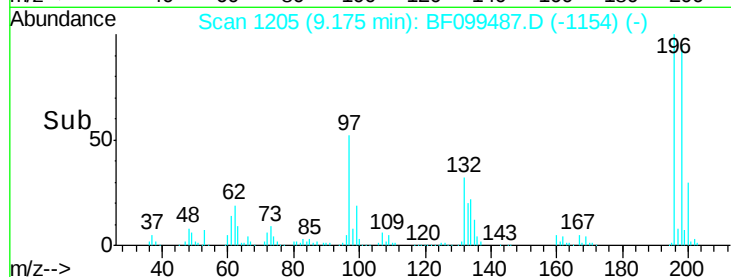
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	161853		
198	95.0	74.6	112.0	
97	51.7	42.9	64.3	
132	32.1	26.3	39.5	

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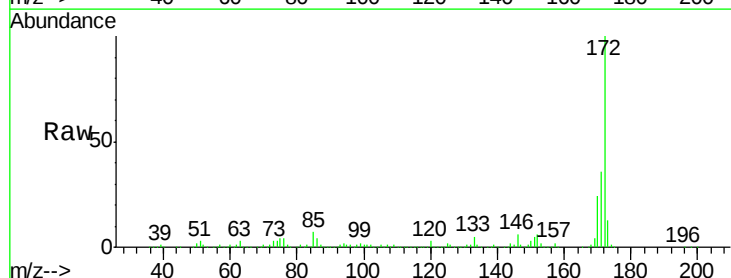


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

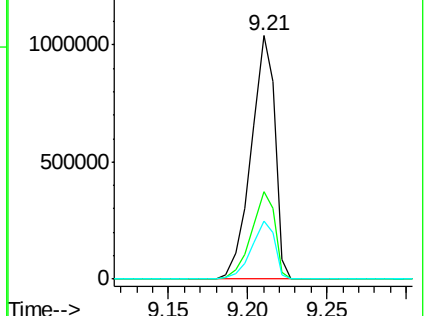
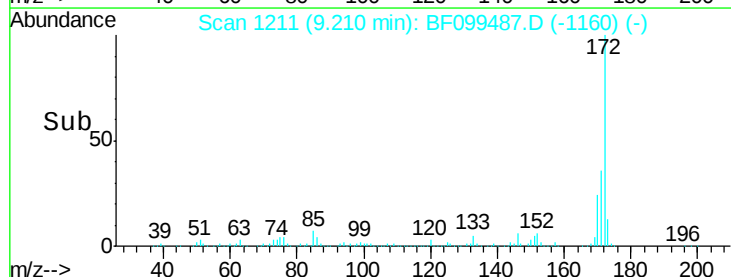


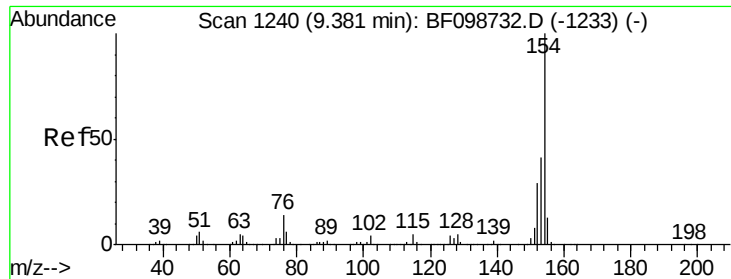
#44
 2-Fluorobiphenyl
 Concen: 101.01 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1081745		
171	35.9	29.7	44.5	
170	23.7	19.6	29.4	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





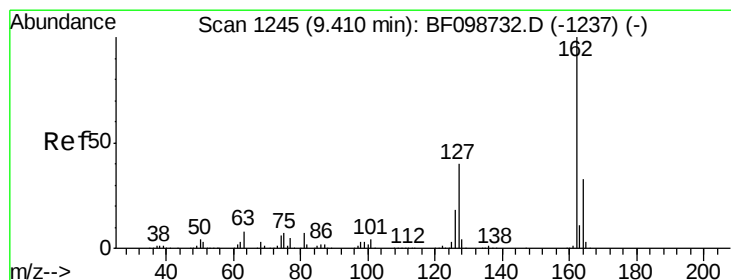
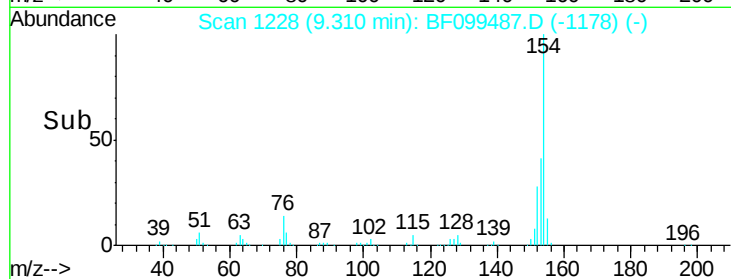
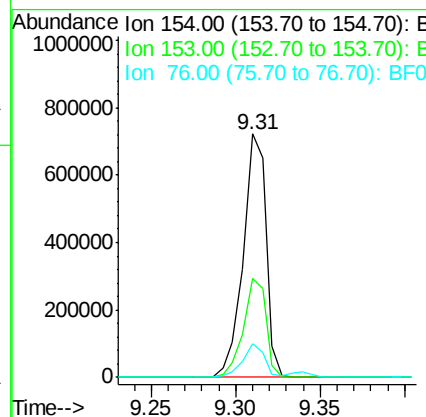
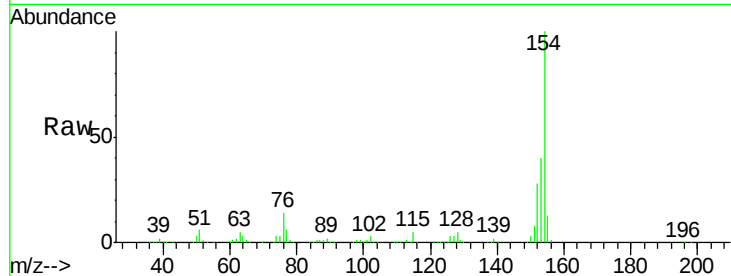
#45
 1,1'-Biphenyl
 Concen: 44.24 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Instrument :
 BNA_F
 ClientSampleId :
 CLEANSAND-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	679753		
153	40.5	21.3	61.3	
76	13.8	0.0	34.0	

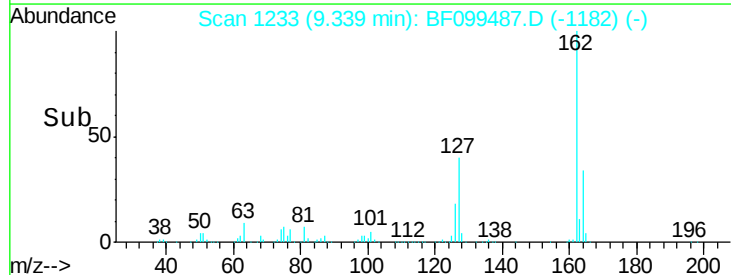
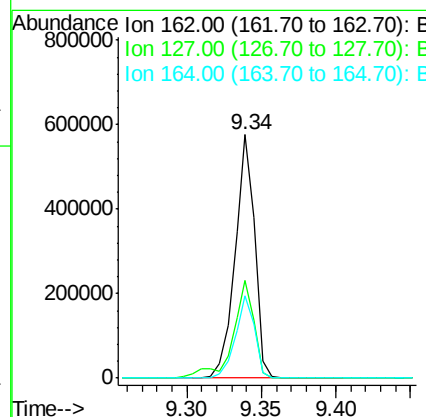
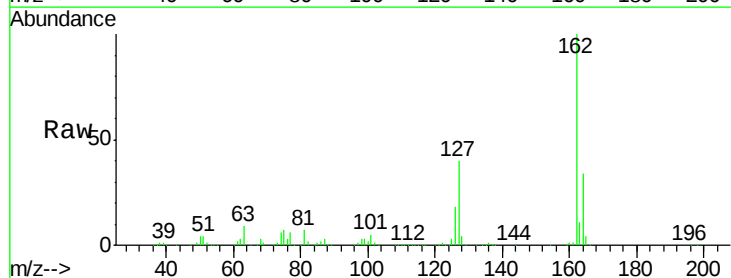
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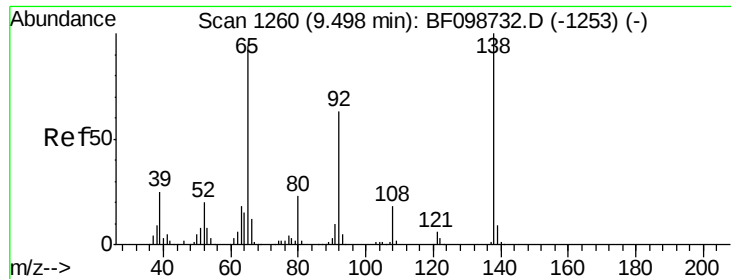
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#46
 2-Chloronaphthalene
 Concen: 46.31 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	534201		
127	40.2	33.9	50.9	
164	33.7	26.5	39.7	





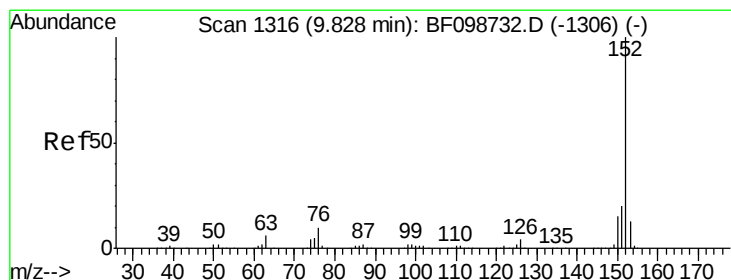
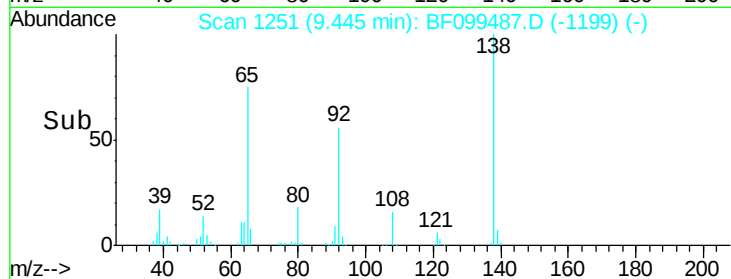
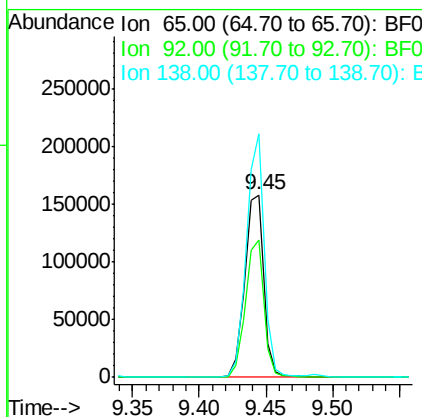
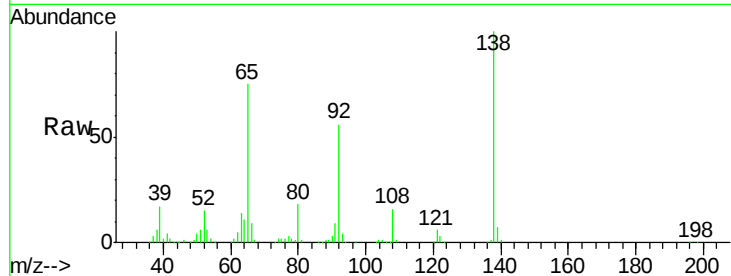
#47
2-Nitroaniline
Concen: 44.08 ng
RT: 9.45 min Scan# 1251
Delta R.T. 0.01 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	155716		
92	75.0	55.8	83.6	
138	133.3	91.2	136.8	

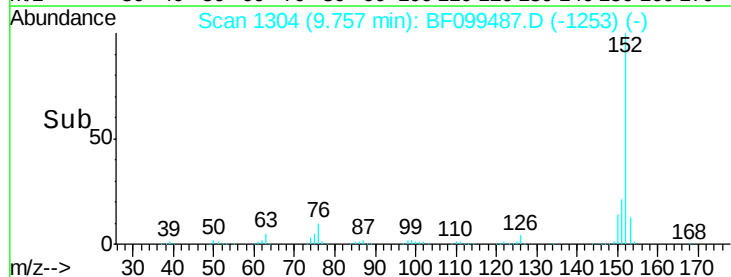
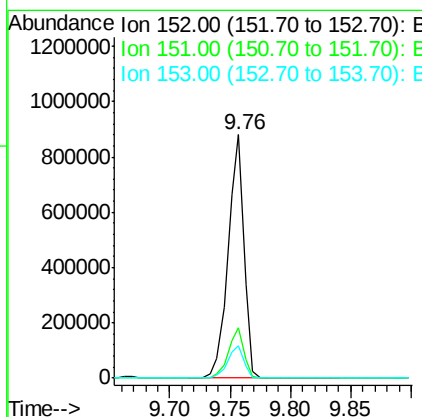
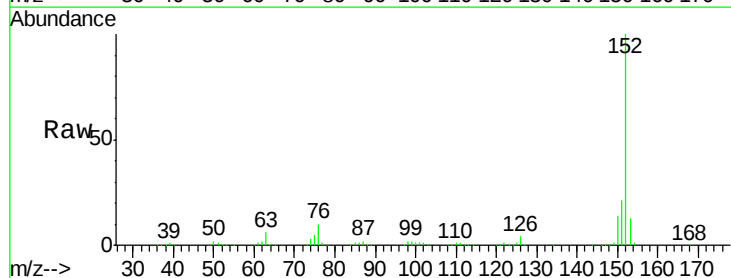
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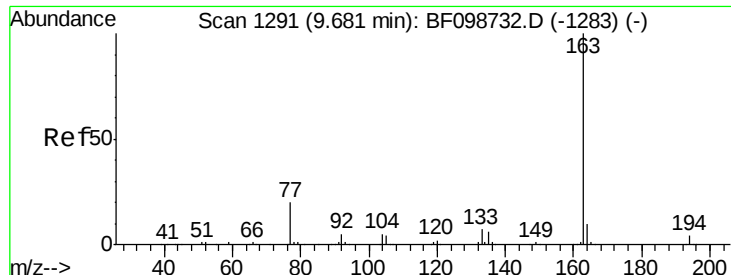
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#48
Acenaphthylene
Concen: 45.07 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	795903		
151	20.7	16.3	24.5	
153	13.1	10.7	16.1	





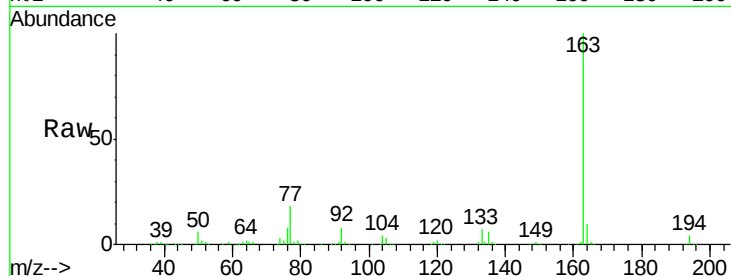
#49
Dimethylphthalate
Concen: 59.25 ng
RT: 9.62 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

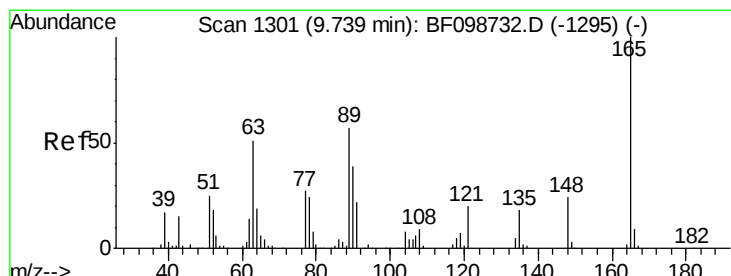
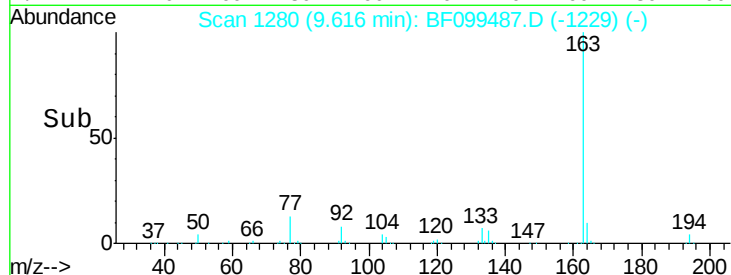
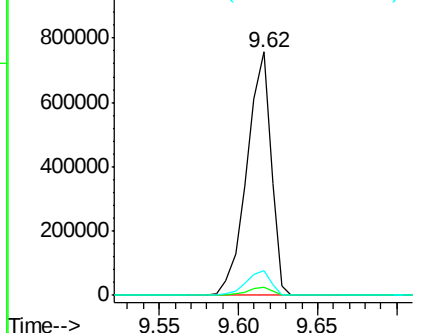
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	799414		
194	3.5	2.7	4.1	
164	10.0	8.2	12.2	

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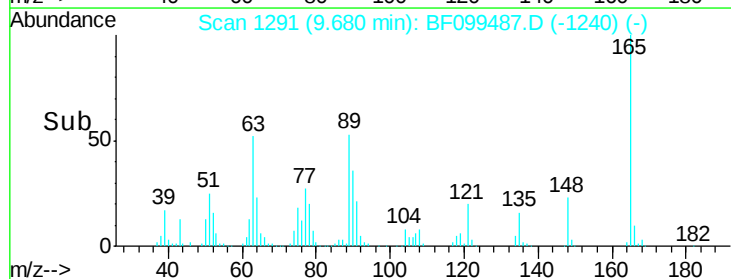
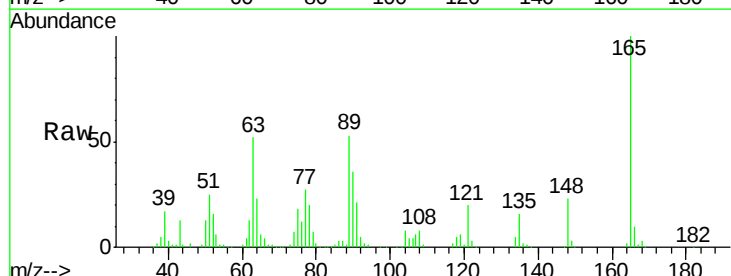
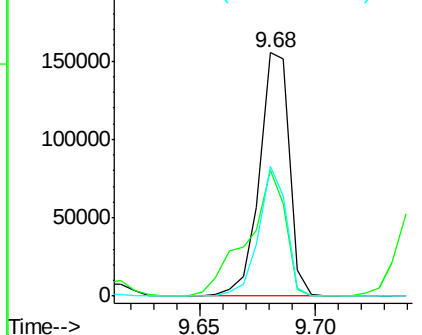
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

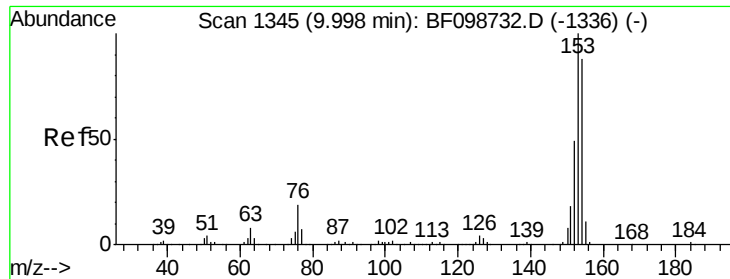


#50
2,6-Dinitrotoluene
Concen: 47.91 ng
RT: 9.68 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	140730		
63	51.6	44.7	67.1	
89	53.3	44.0	66.0	

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 42.18 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Instrument :

BNA_F

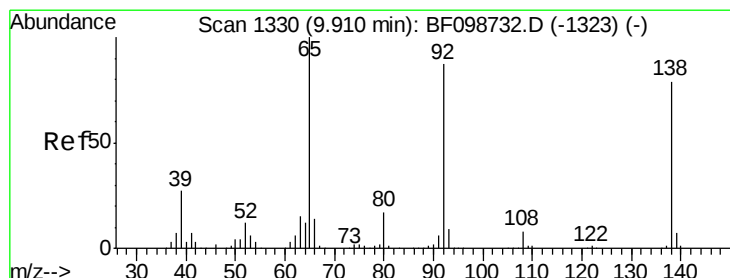
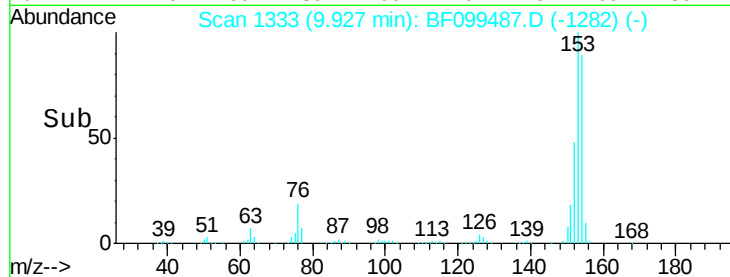
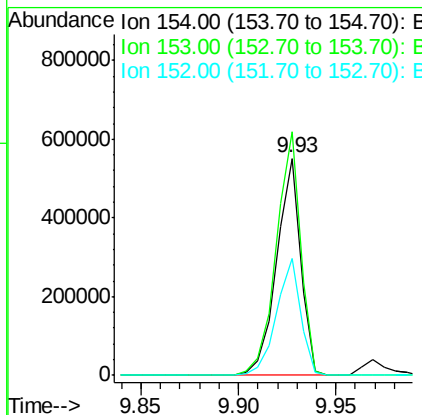
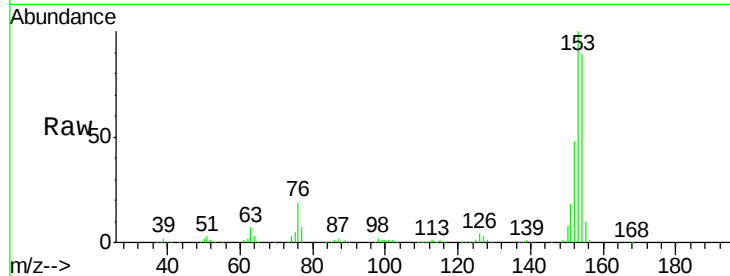
ClientSampleId :

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Tgt Ion:	154	Resp:	471841
Ion Ratio	Lower	Upper	
154	100		
153	112.1	91.2	136.8
152	53.8	43.8	65.8

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#52

3-Nitroaniline

Concen: 31.80 ng

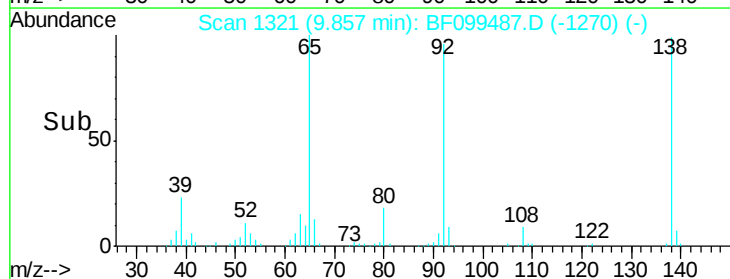
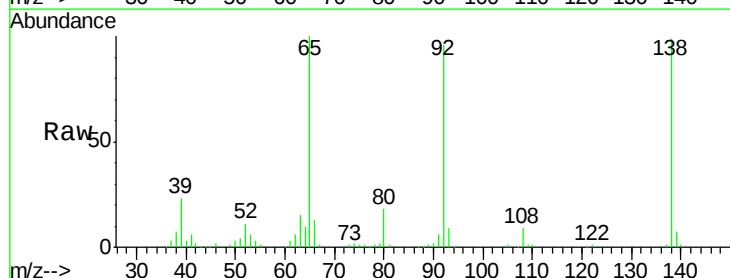
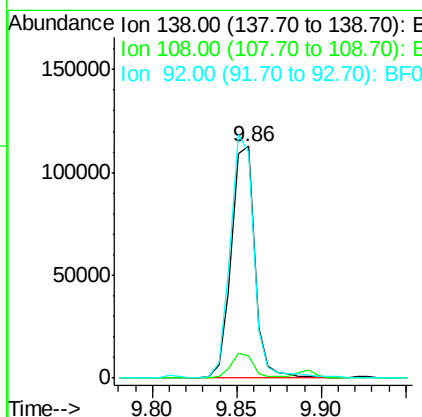
RT: 9.86 min Scan# 1321

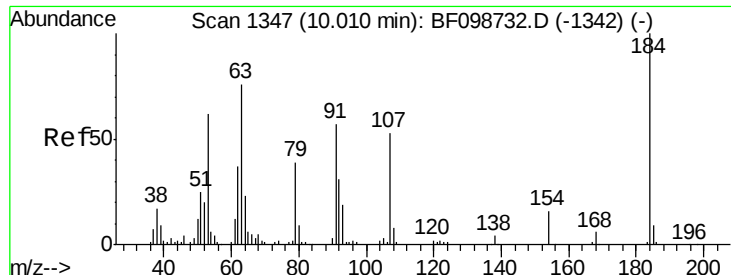
Delta R.T. 0.00 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Tgt Ion:	138	Resp:	108936
Ion Ratio	Lower	Upper	
138	100		
108	9.3	9.4	14.0#
92	97.6	89.4	134.2





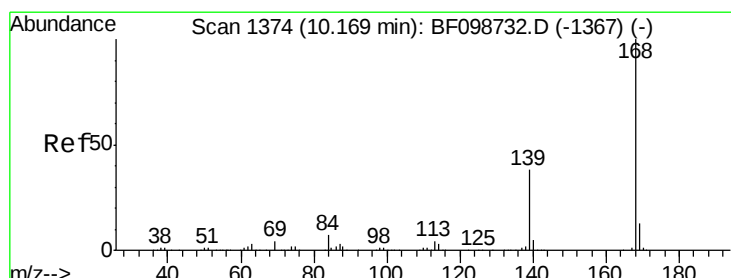
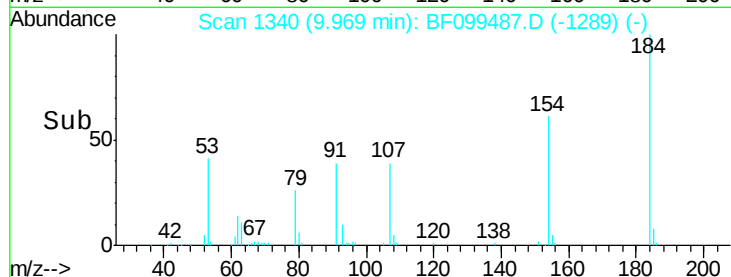
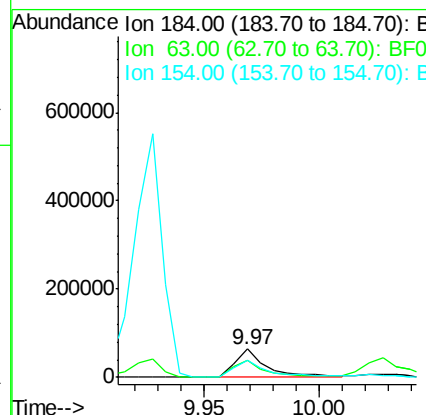
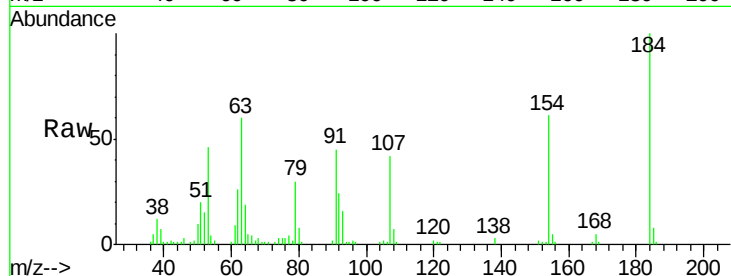
#53
2,4-Dinitrophenol
Concen: 43.82 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ratio	Lower	Upper
184	100		
63	59.5	54.2	81.2
154	61.2	53.5	80.3

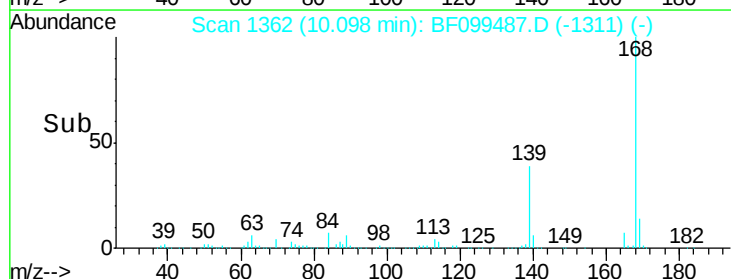
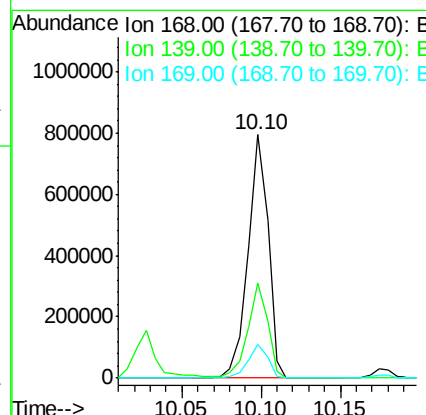
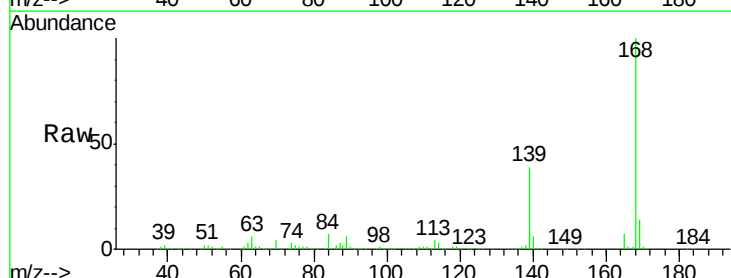
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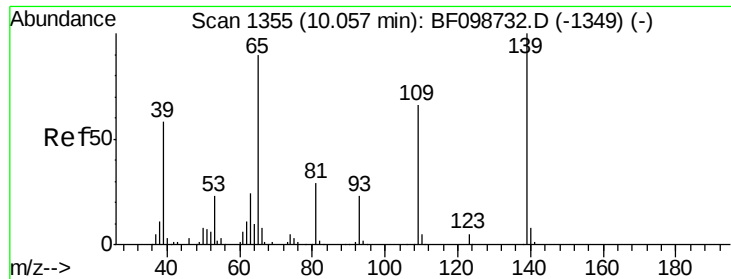
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#54
Dibenzofuran
Concen: 46.69 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.3	30.1	45.1
169	13.7	10.9	16.3





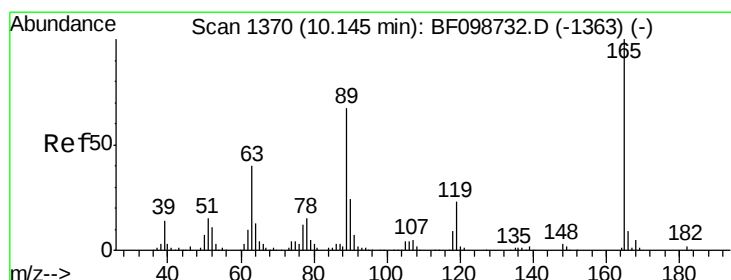
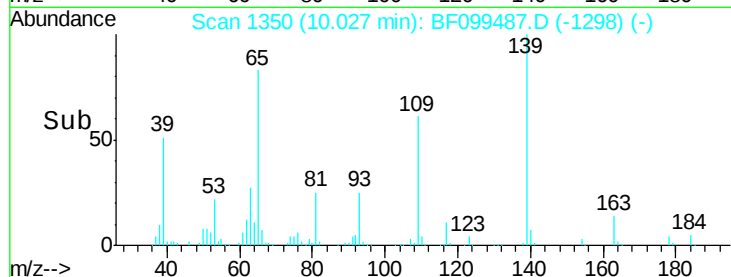
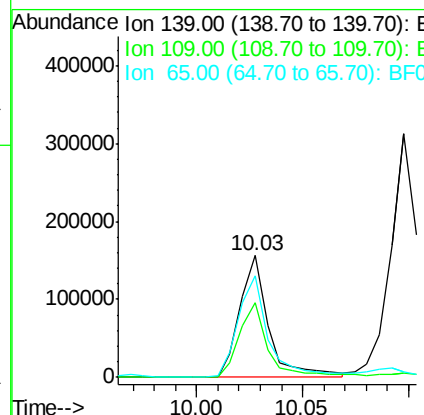
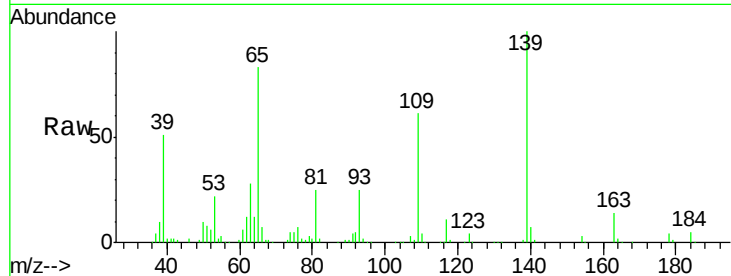
#55
4-Nitrophenol
Concen: 51.52 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	149217		
109	61.1	48.4	88.4	
65	83.0	72.6	112.6	

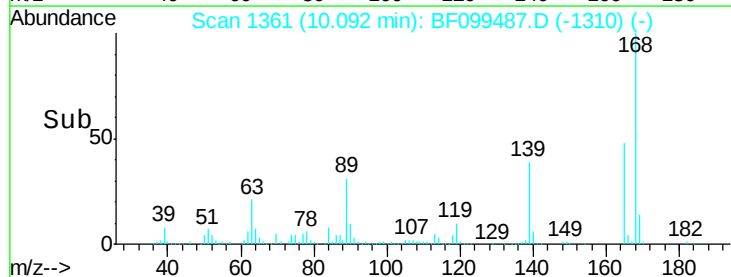
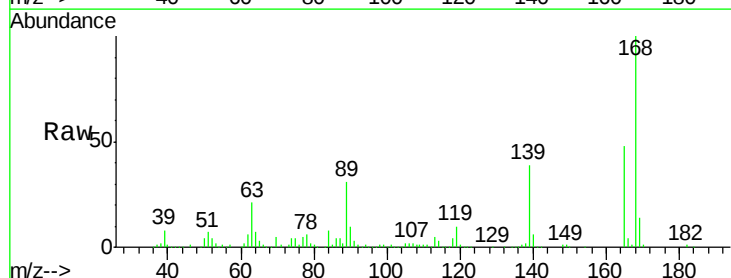
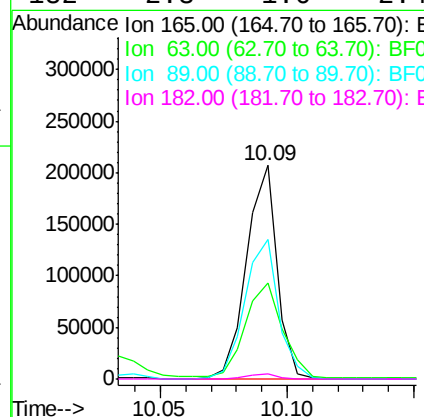
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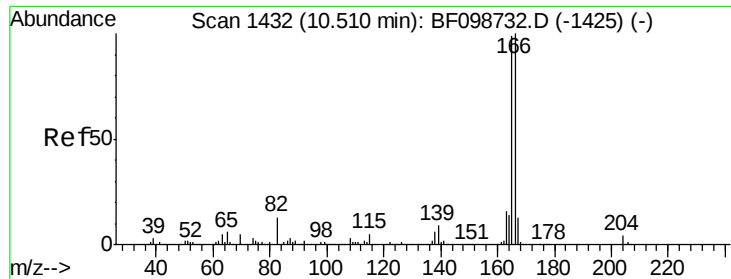
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#56
2,4-Dinitrotoluene
Concen: 45.39 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	173059		
63	44.8	36.4	54.6	
89	65.1	57.8	86.6	
182	2.3	1.6	2.4	





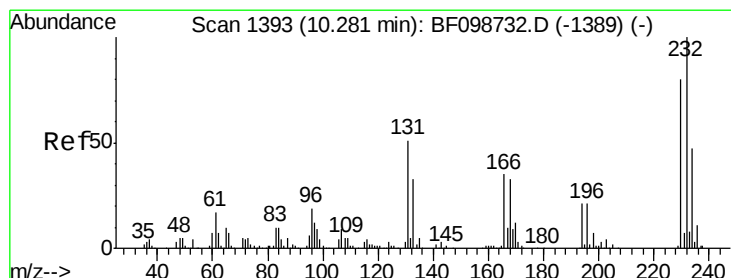
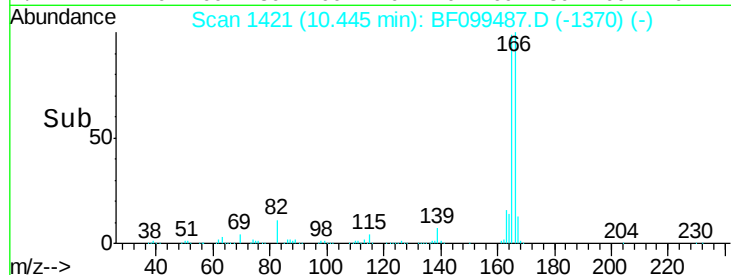
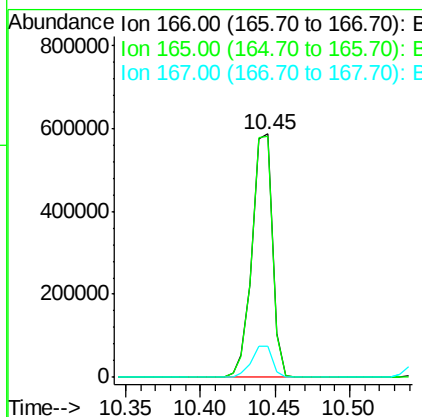
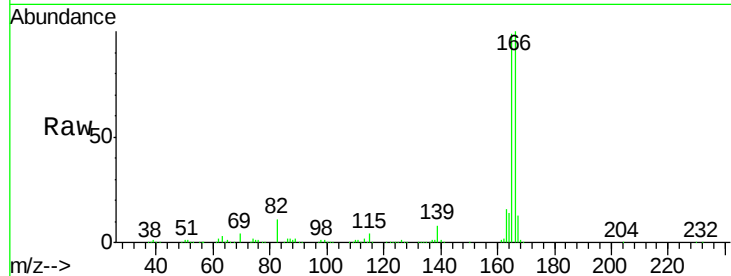
#57
Fluorene
 Concen: 46.12 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Instrument :
 BNA_F
 ClientSampleId :
 CLEANSAND-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	552159		
165	98.8	79.8	119.8	
167	12.9	10.6	16.0	

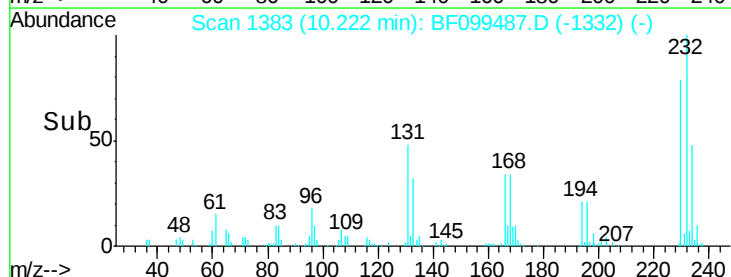
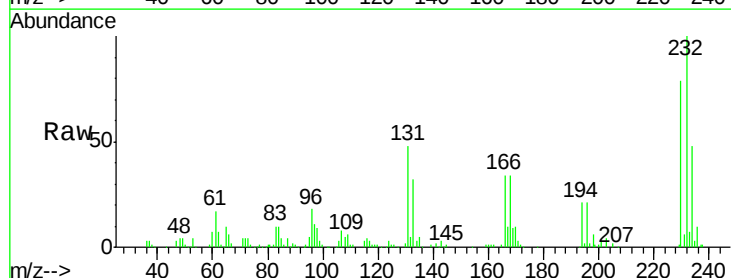
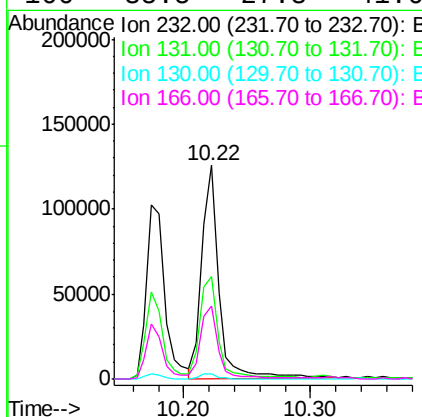
Manual Integrations
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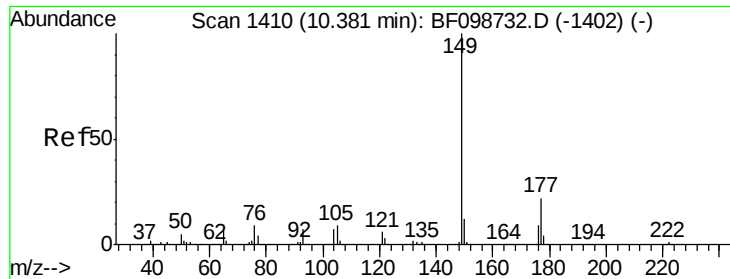
Sohil
 10/15/2017 12:41:27 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 44.69 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	116396		
131	50.8	43.8	65.8	
130	2.5	2.1	3.1	
166	35.5	27.8	41.6	





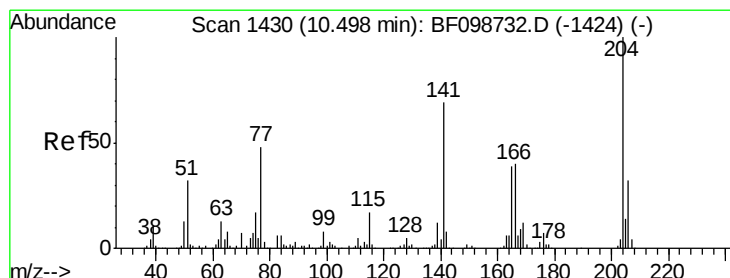
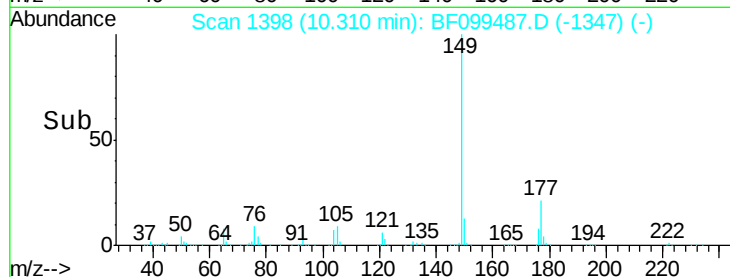
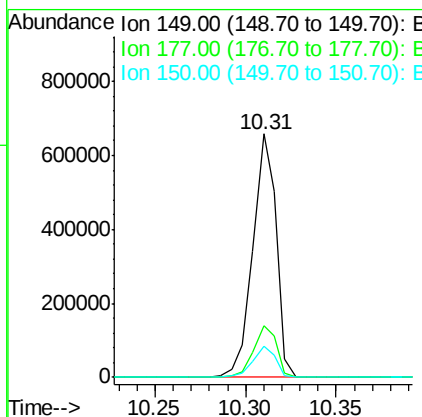
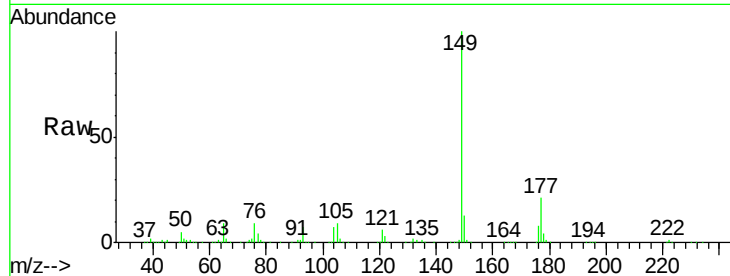
#59
Diethylphthalate
Concen: 44.70 ng
RT: 10.31 min Scan# 1398
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	589391		
177	21.0	16.1	24.1	
150	12.7	10.1	15.1	

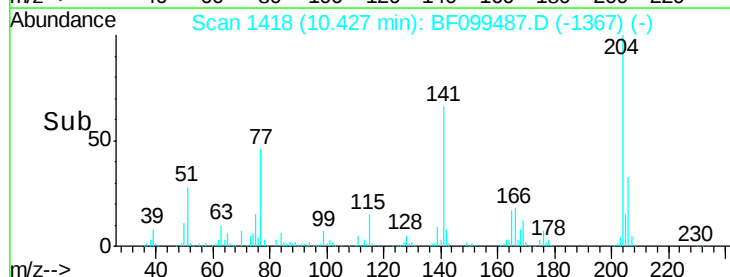
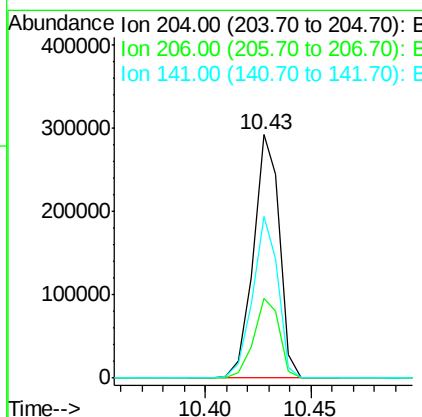
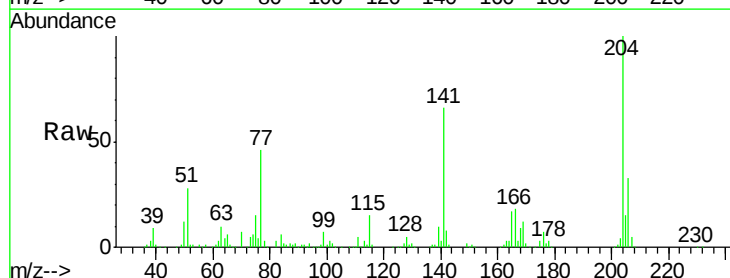
Manual Integrations
APPROVED

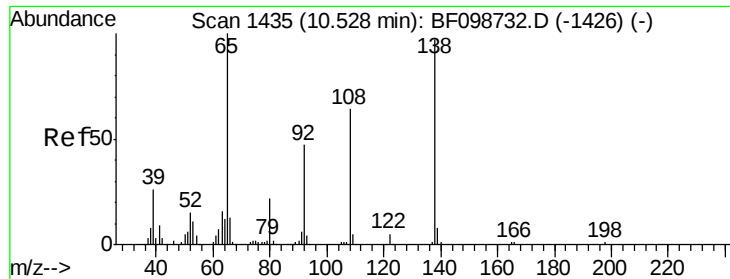
Sohil
10/15/2017 12:41:27 PM



#60
4-Chlorophenyl-phenylether
Concen: 46.70 ng
RT: 10.43 min Scan# 1418
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	251151		
206	32.8	26.5	39.7	
141	66.3	54.6	81.8	





#61

4-Nitroaniline

Concen: 44.91 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Instrument :

BNA_F

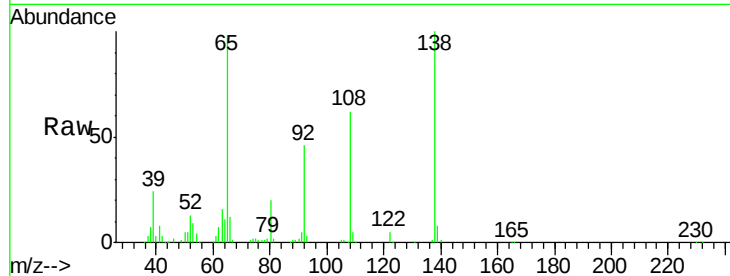
ClientSampleId :

CLEANSAND-11MSD

Tgt Ion:	138	Resp:	148393
Ion Ratio	Lower	Upper	
138	100		
92	46.0	30.2	70.2
108	61.7	52.5	92.5

Manual Integrations
APPROVED

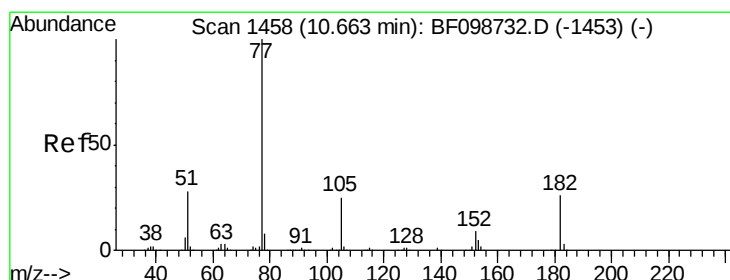
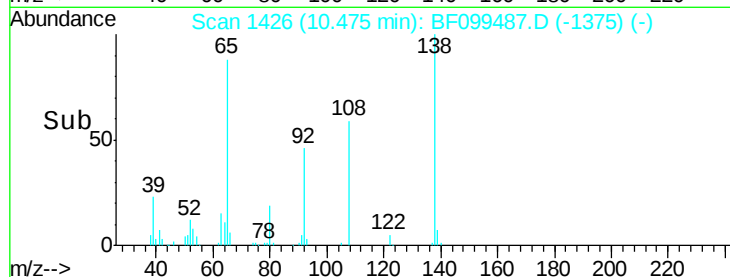
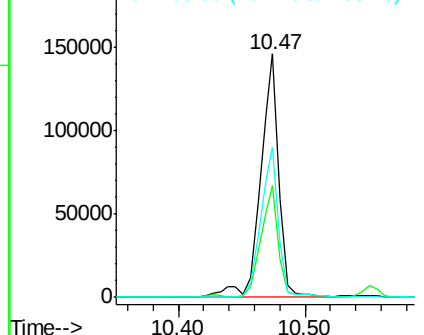
Sohil
10/15/2017 12:41:27 PM



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 46.25 ng

RT: 10.59 min Scan# 1446

Delta R.T. 0.00 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

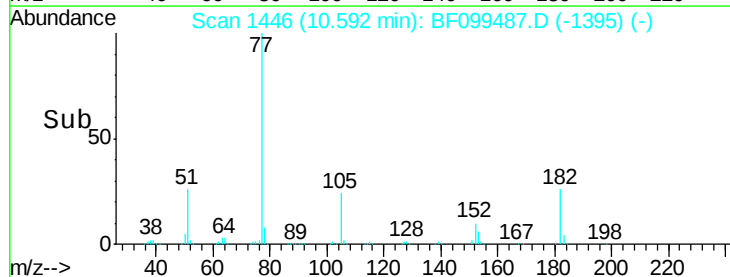
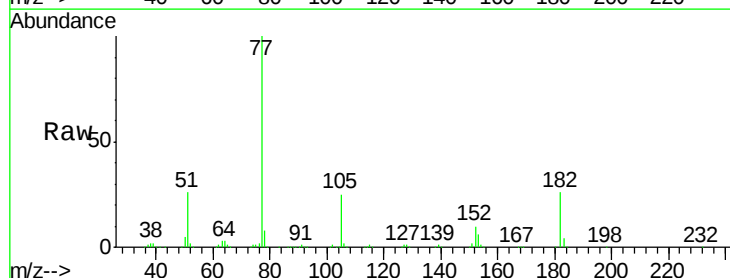
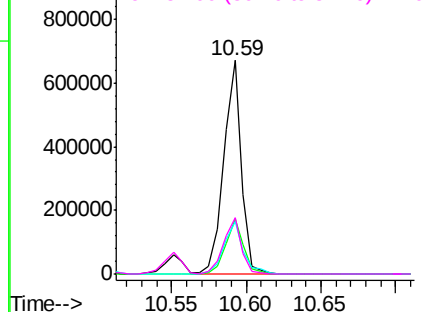
Tgt Ion:	77	Resp:	560743
Ion Ratio	Lower	Upper	
77	100		
182	26.0	1.7	41.7
105	24.6	3.0	43.0
51	26.2	9.9	49.9

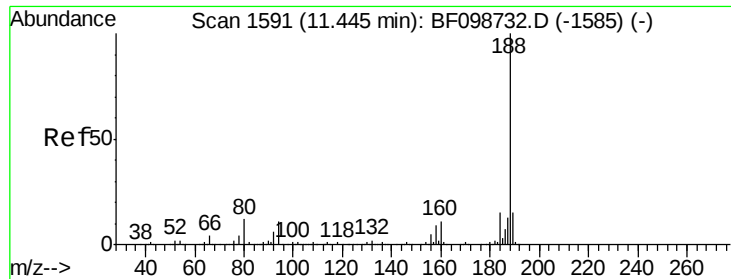
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





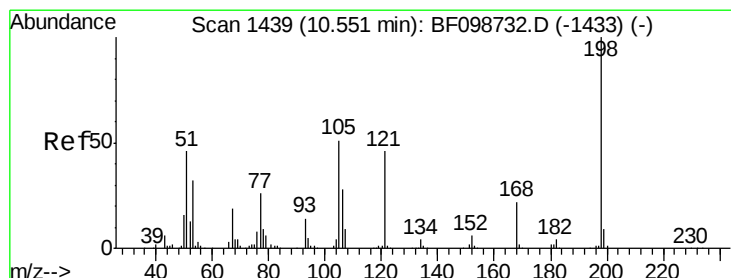
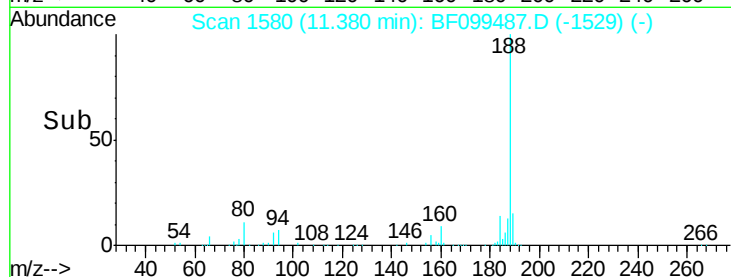
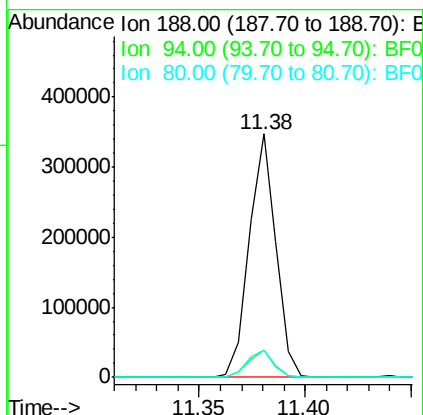
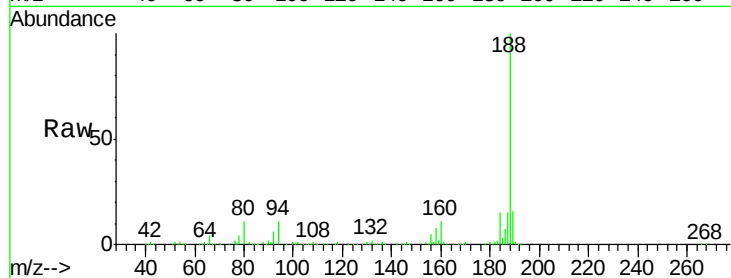
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	304660		
94	11.0	8.5	12.7	
80	11.5	9.2	13.8	

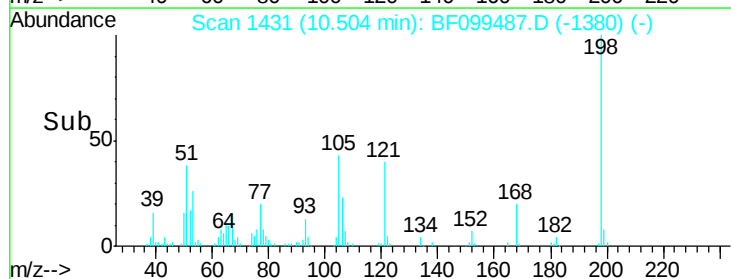
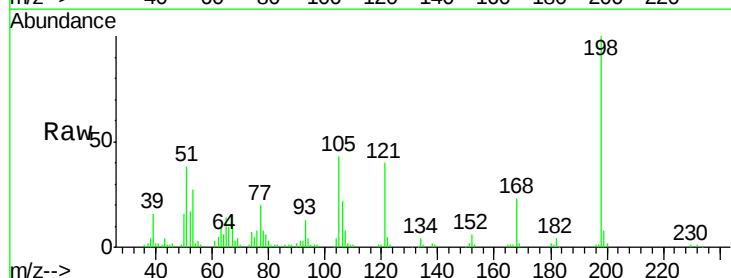
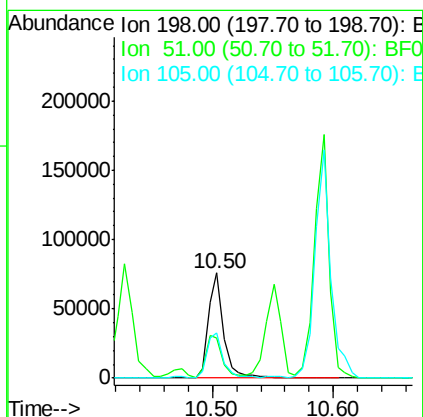
Manual Integrations
APPROVED

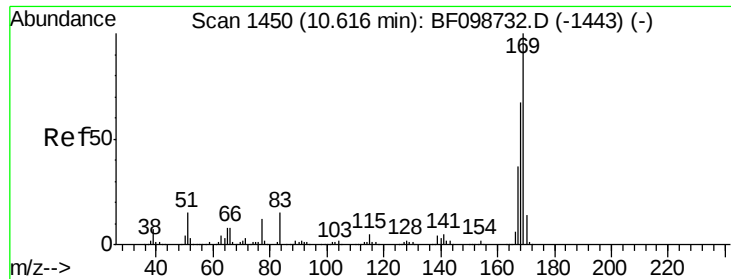
Sohil
10/15/2017 12:41:27 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 35.75 ng
RT: 10.50 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	66265		
51	37.9	37.7	77.7	
105	43.0	36.3	76.3	





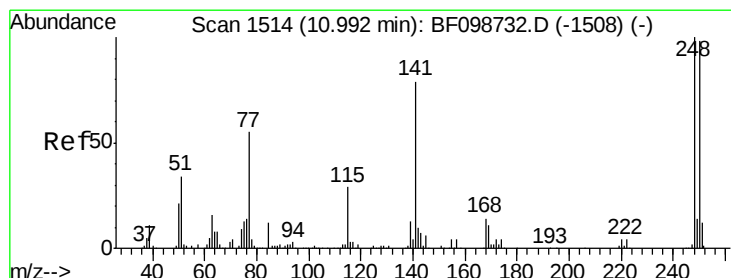
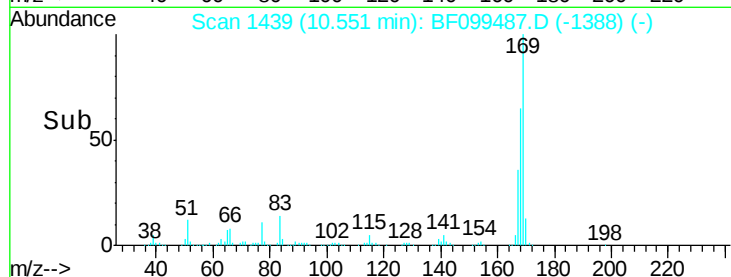
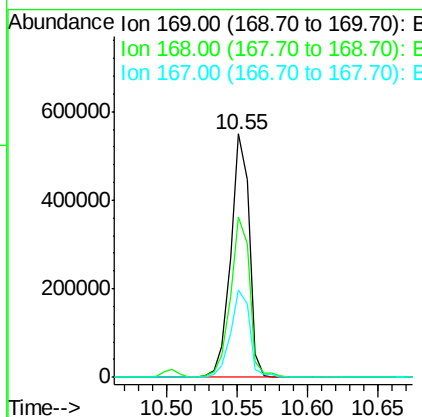
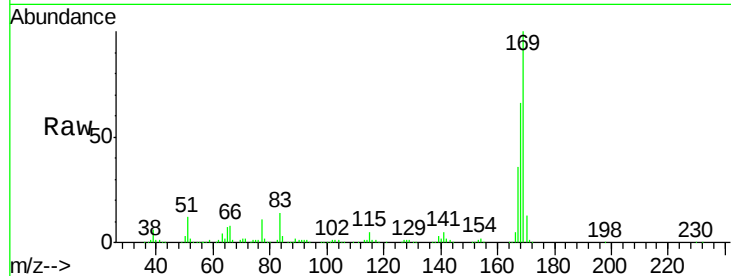
#65
n-Nitrosodiphenylamine
Concen: 47.40 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	500319		
168	65.6		54.4	81.6
167	35.8		29.8	44.6

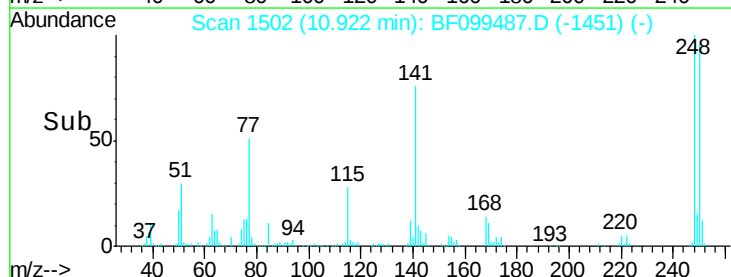
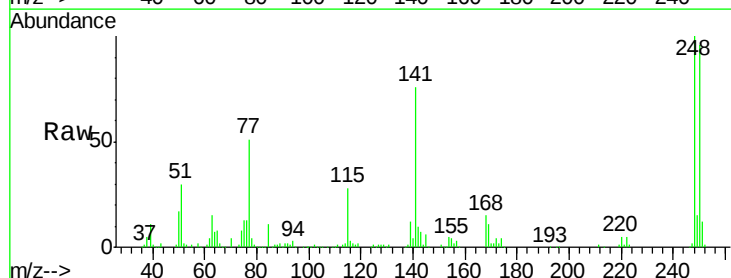
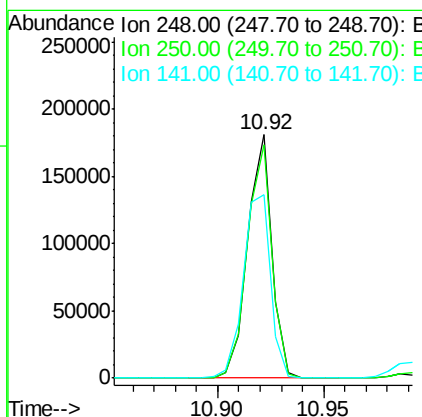
Manual Integrations
APPROVED

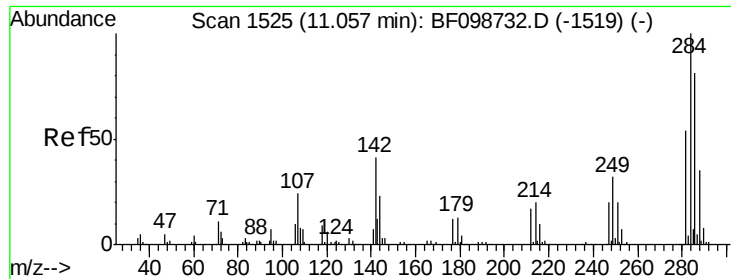
Sohil
10/15/2017 12:41:27 PM



#66
4-Bromophenyl-phenylether
Concen: 48.49 ng
RT: 10.92 min Scan# 1502
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	144613		
250	95.9		76.9	115.3
141	75.6		74.4	111.6





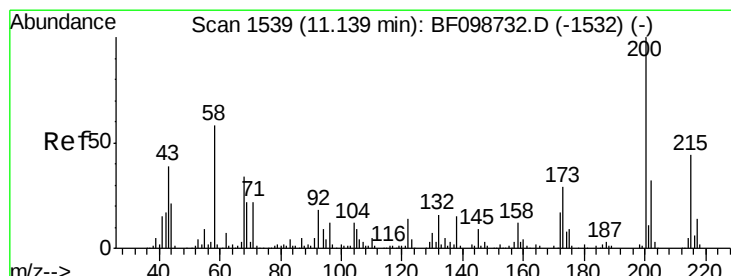
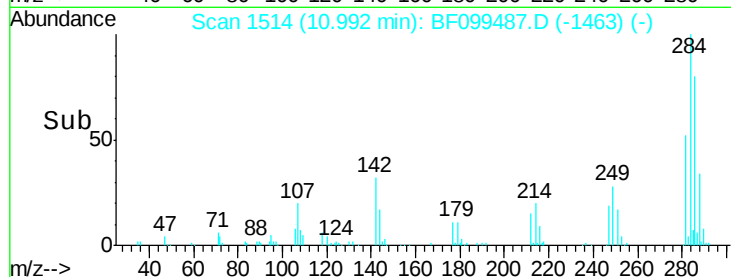
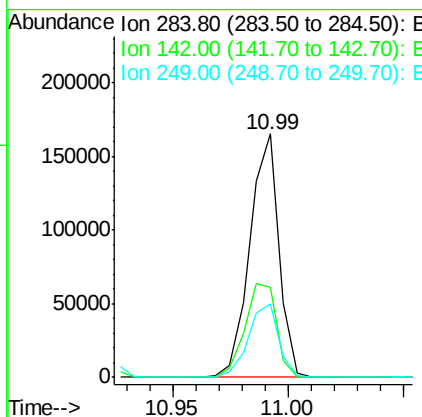
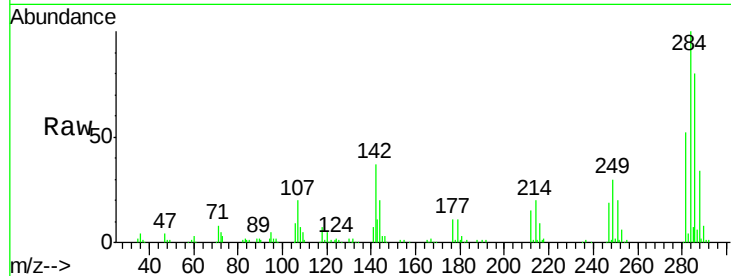
#67
Hexachlorobenzene
Concen: 45.68 ng
RT: 10.99 min Scan# 1514
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	37.0	34.6	52.0
249	30.1	24.8	37.2

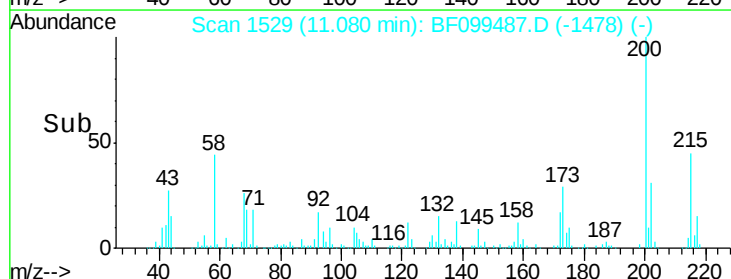
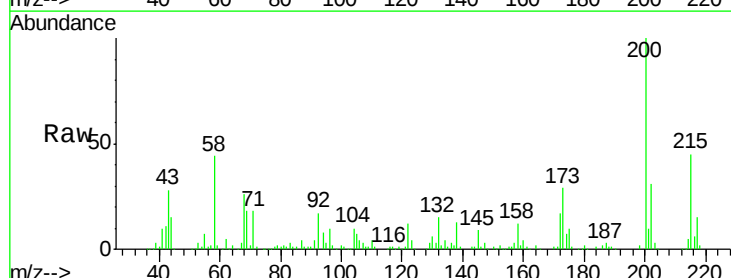
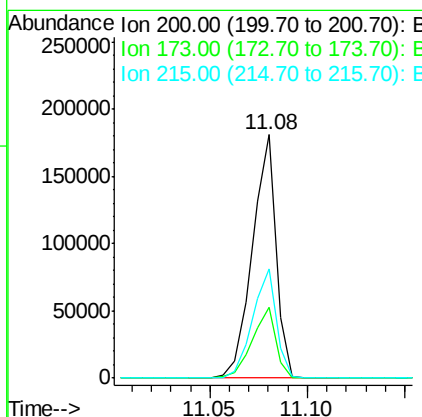
Manual Integrations
APPROVED

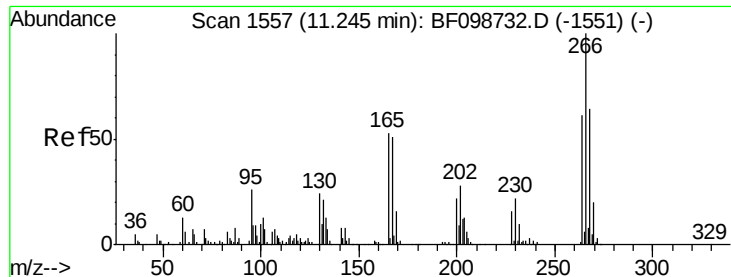
Sohil
10/15/2017 12:41:27 PM



#68
Atrazine
Concen: 47.98 ng
RT: 11.08 min Scan# 1529
Delta R.T. 0.00 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	29.1	8.6	48.6
215	45.0	25.1	65.1





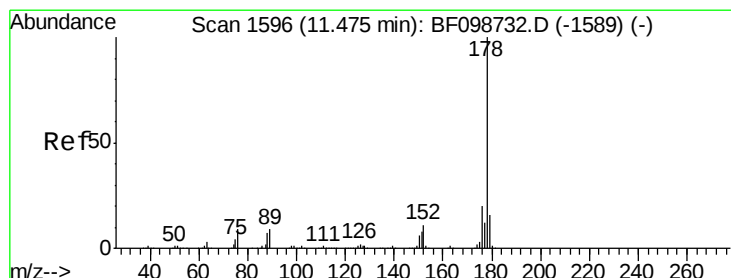
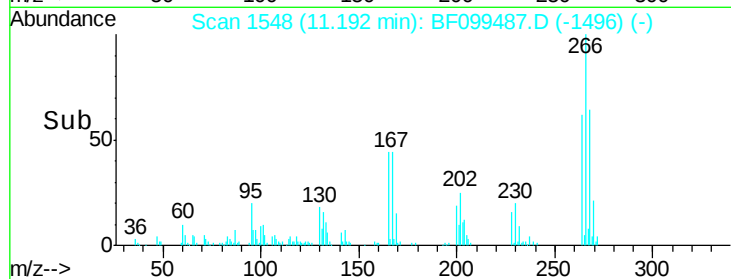
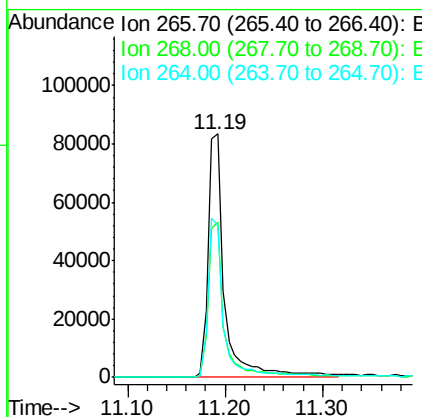
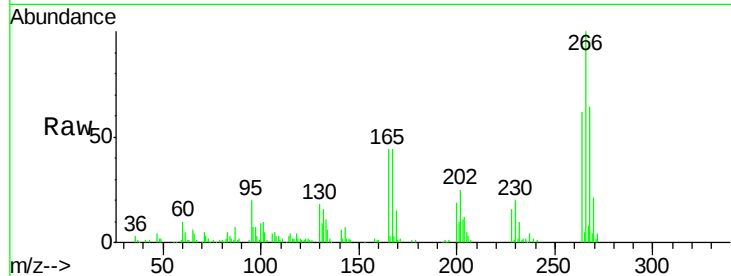
#69
 Pentachlorophenol
 Concen: 49.64 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. 0.01 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Instrument :
 BNA_F
 ClientSampleId :
 CLEANSAND-11MSD

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.1	76.7
264	62.4	49.5	74.3

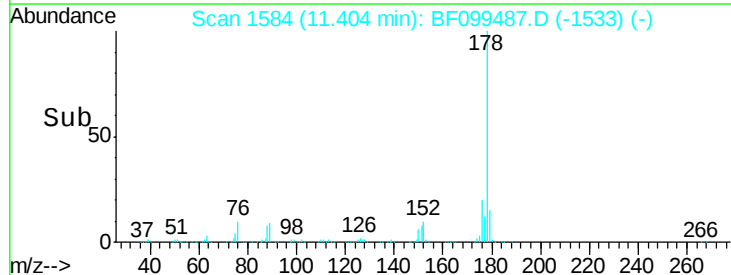
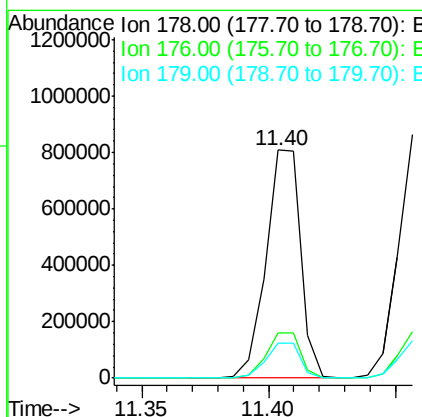
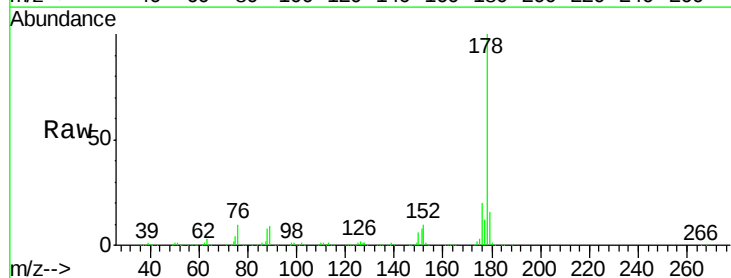
Manual Integrations
 APPROVED

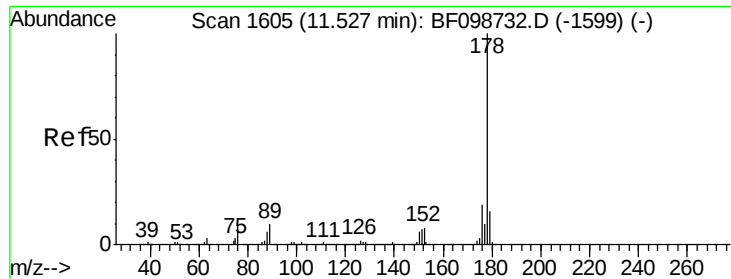
Sohil
 10/15/2017 12:41:27 PM



#70
 Phenanthrene
 Concen: 47.54 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.6	13.0	19.6





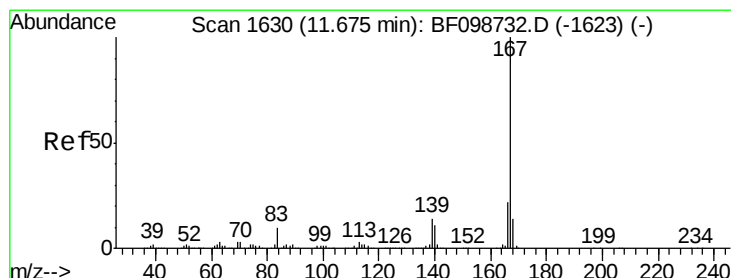
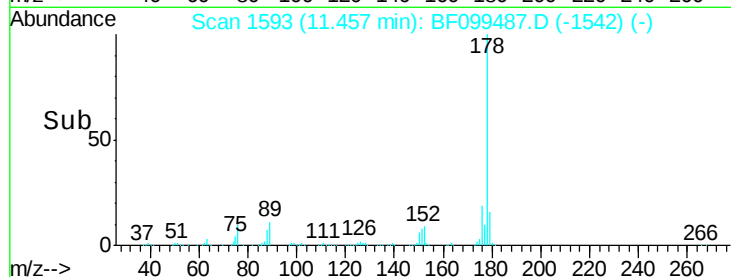
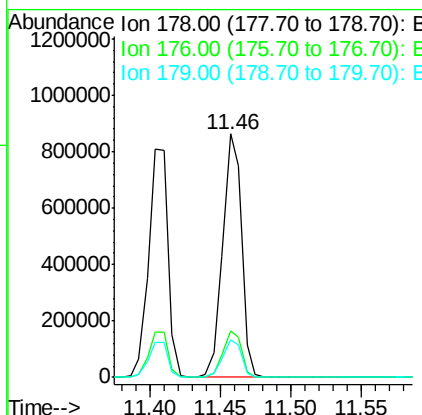
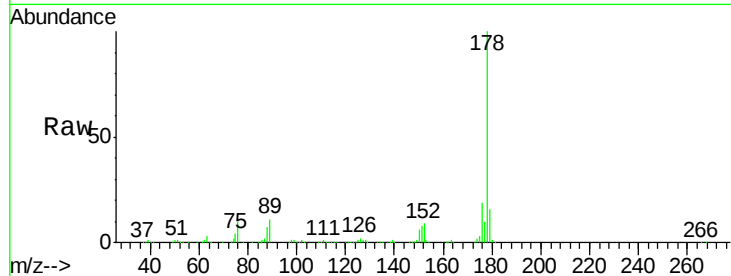
#71
 Anthracene
 Concen: 48.17 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. 0.00 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Instrument :
 BNA_F
 ClientSampleId :
 CLEANSAND-11MSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.6	12.6	19.0

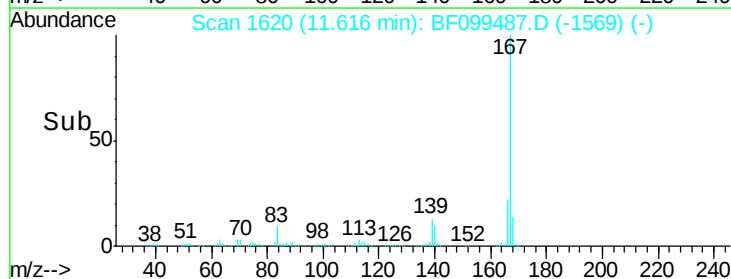
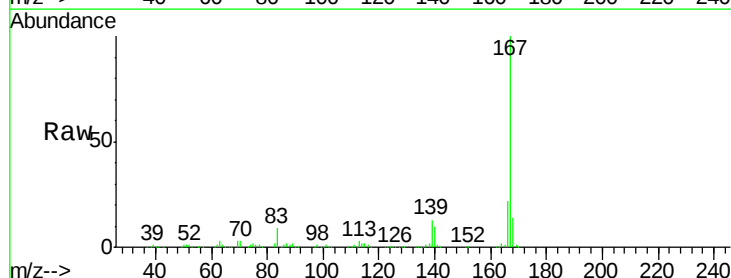
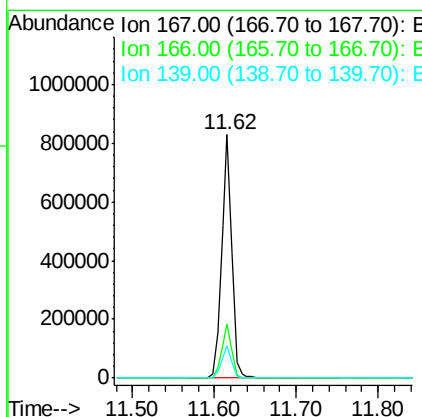
Manual Integrations
 APPROVED

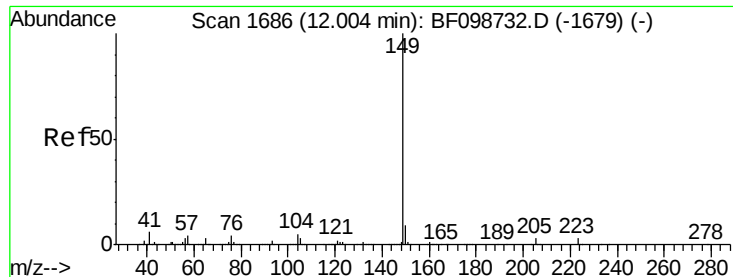
Sohil
 10/15/2017 12:41:27 PM



#72
 Carbazole
 Concen: 44.27 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	13.4	10.9	16.3





#73

Di-n-butylphthalate

Concen: 45.20 ng

RT: 11.93 min Scan# 1674

Delta R.T. 0.00 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Instrument :

BNA_F

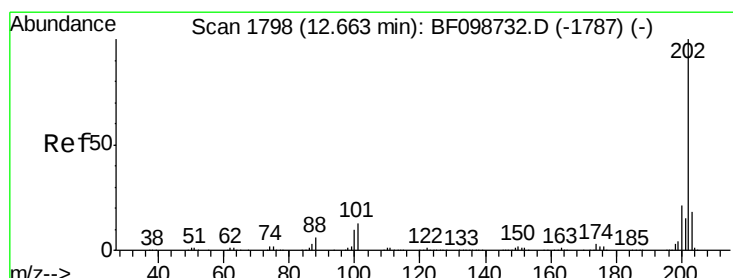
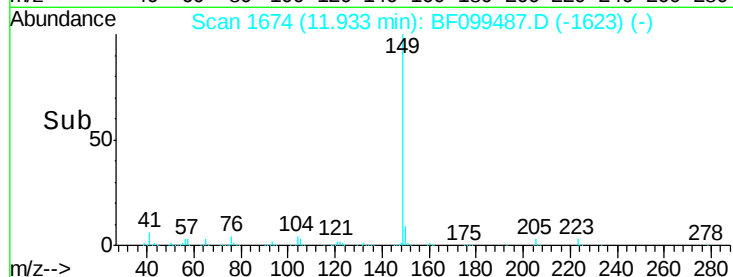
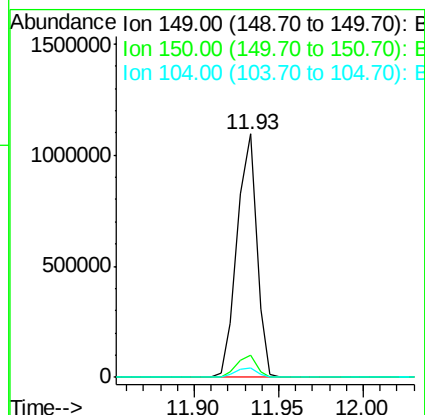
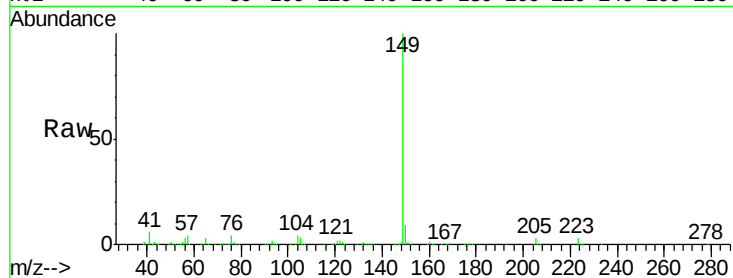
ClientSampleId :

CLEANSAND-11MSD

Tgt Ion:	149	Resp:	888966
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.8	11.6
104	4.1	3.8	5.8

Manual Integrations
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Sohil
10/15/2017 12:41:27 PM



#74

Fluoranthene

Concen: 45.60 ng

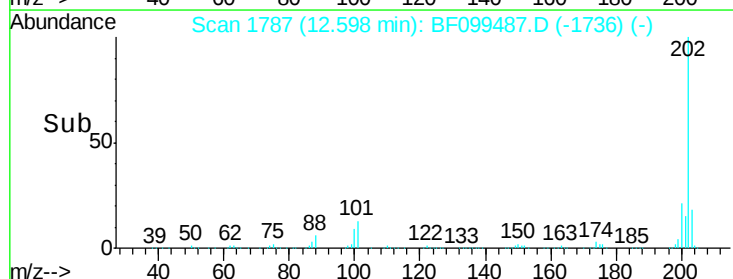
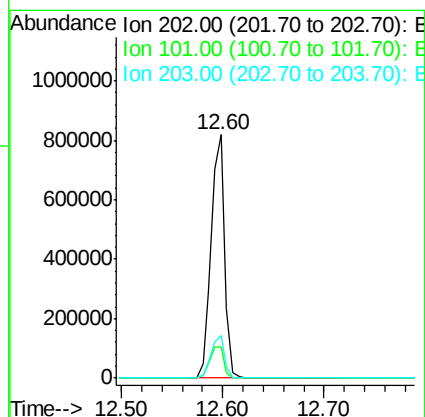
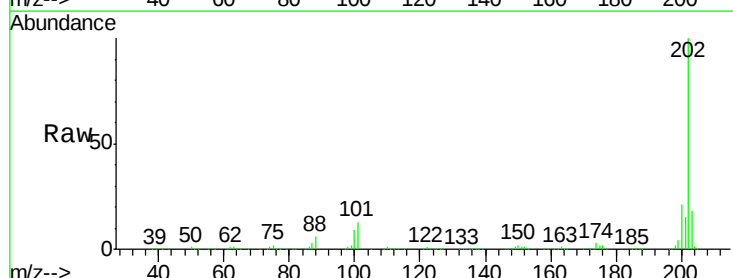
RT: 12.60 min Scan# 1787

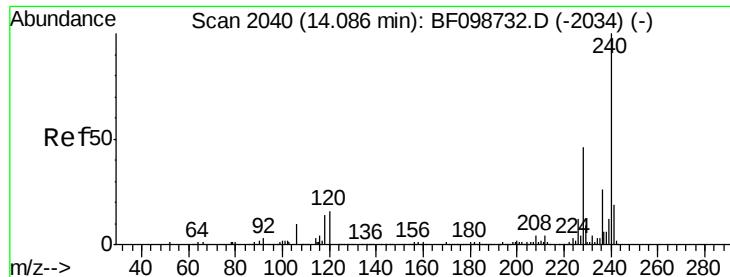
Delta R.T. 0.00 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Tgt Ion:	202	Resp:	753072
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Instrument :

BNA_F

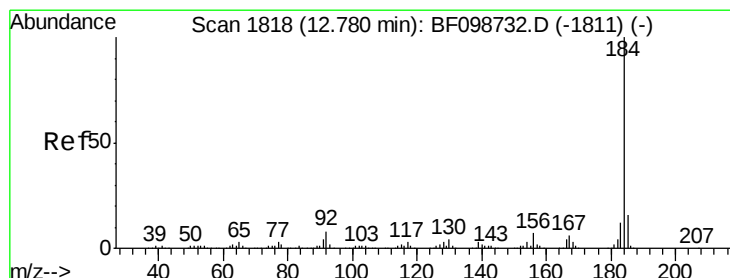
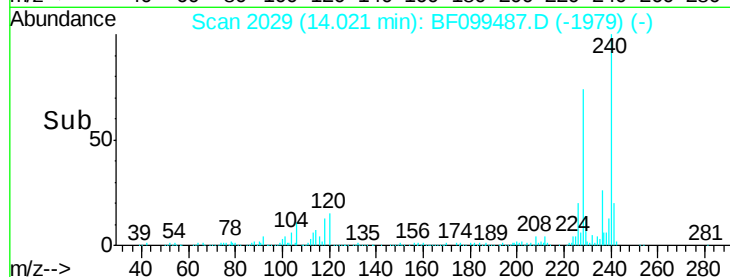
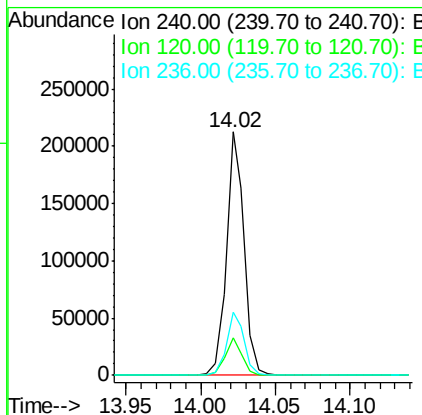
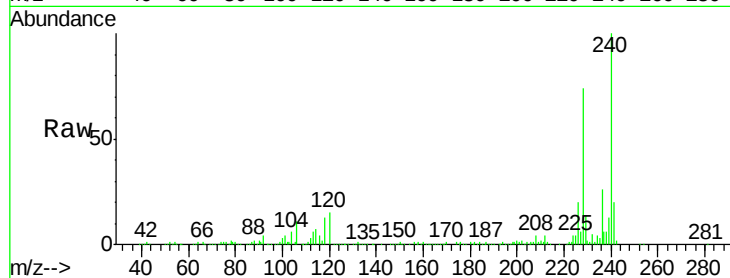
ClientSampleId :

CLEANSAND-11MSD

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.3	9.5	14.3#
236	25.7	20.7	31.1

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#76

Benzidine

Concen: 24.29 ng

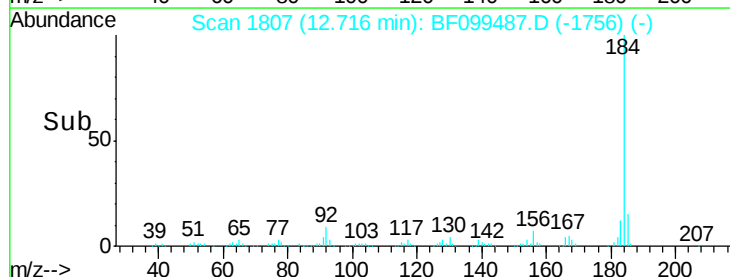
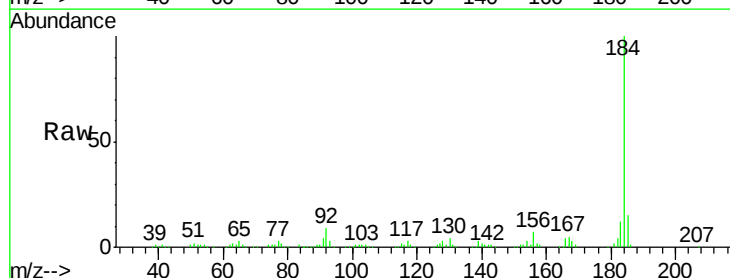
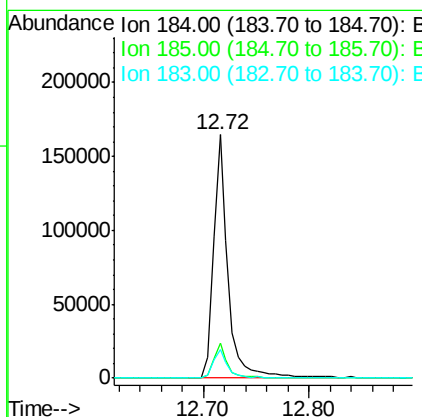
RT: 12.72 min Scan# 1807

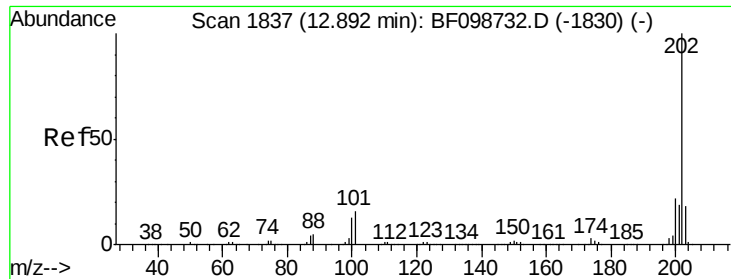
Delta R.T. 0.00 min

Lab File: BF099487.D

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Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.6	12.6	18.8
183	11.9	9.3	13.9





#77

Pyrene

Concen: 55.99 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Instrument :

BNA_F

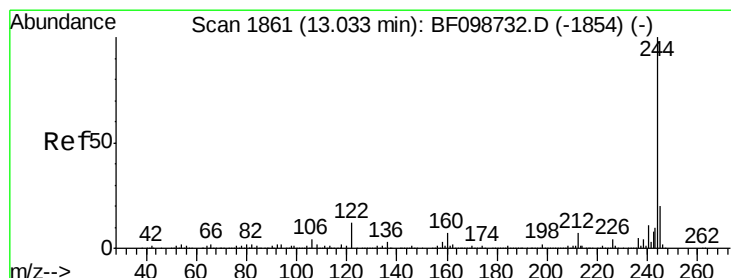
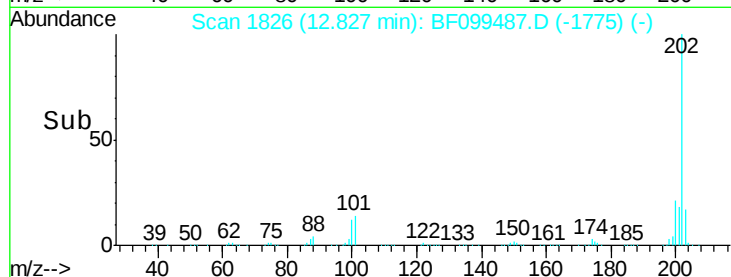
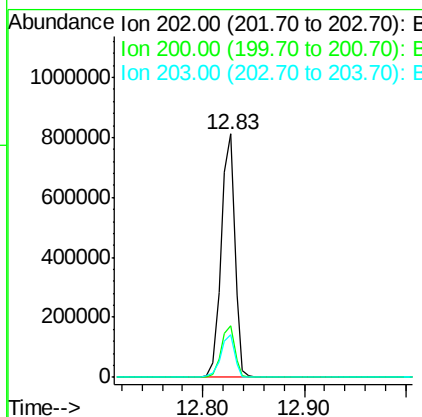
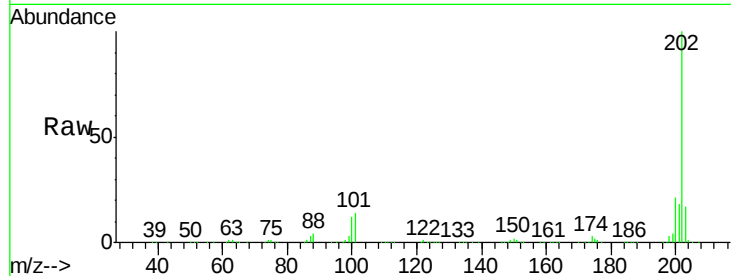
ClientSampleId :

CLEANSAND-11MSD

Tgt Ion:	202	Resp:	758754
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 109.36 ng

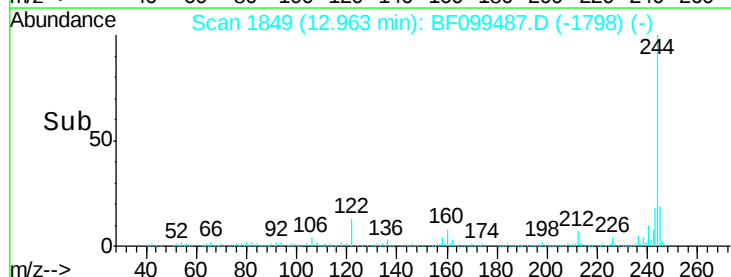
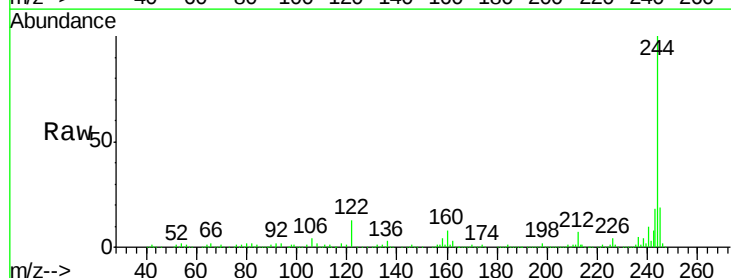
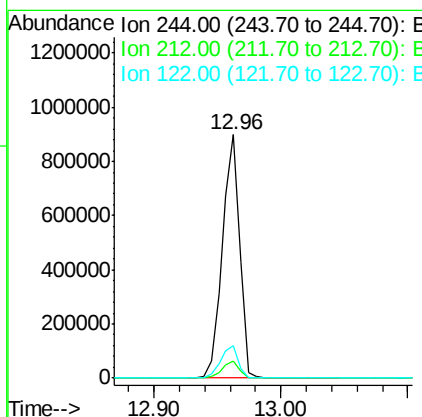
RT: 12.96 min Scan# 1849

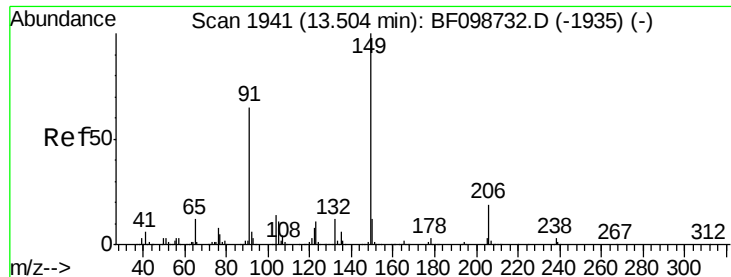
Delta R.T. 0.00 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Tgt Ion:	244	Resp:	854664
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	13.2	11.0	16.4





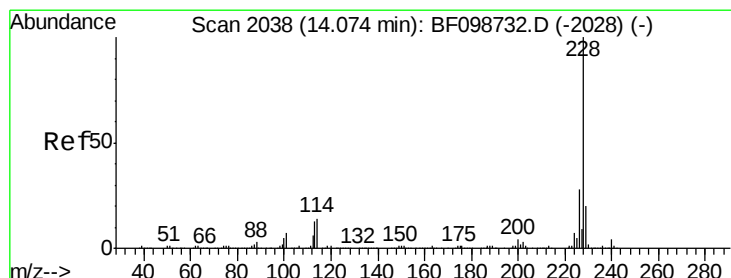
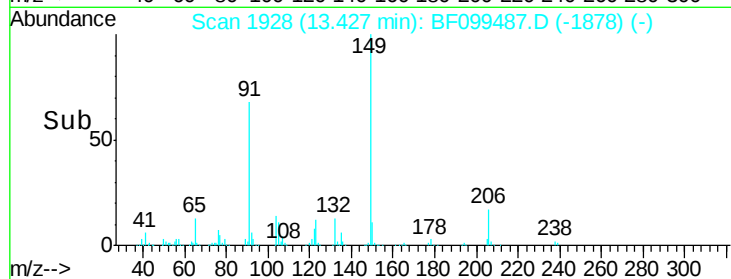
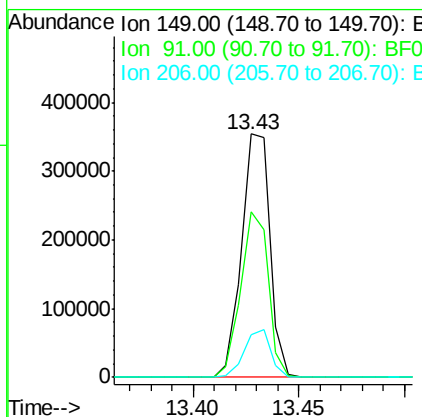
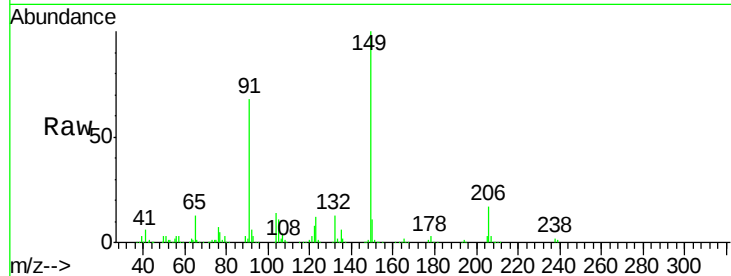
#79
Butylbenzylphthalate
Concen: 51.85 ng
RT: 13.43 min Scan# 1928
Delta R.T. -0.01 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	330238		
91	67.8	56.8	85.2	
206	17.4	14.1	21.1	

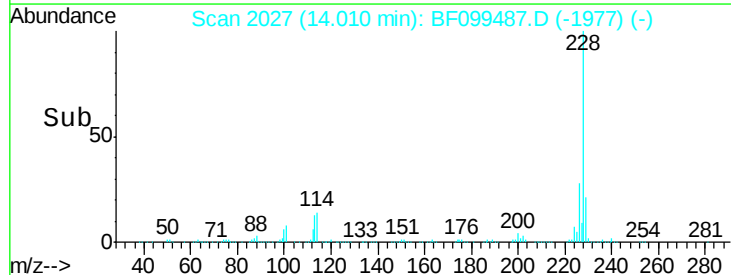
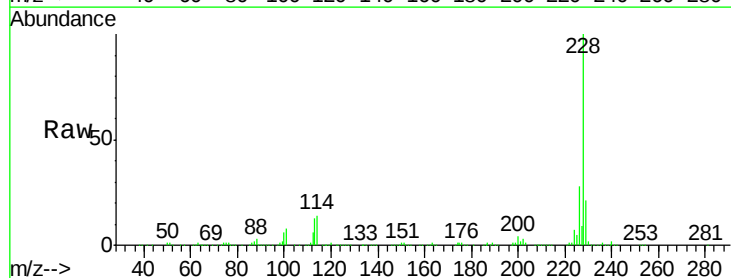
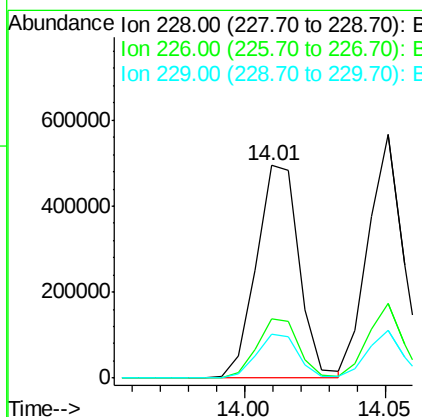
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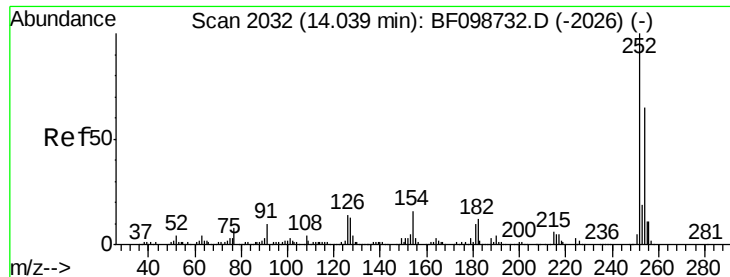
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#80
Benzo(a)anthracene
Concen: 48.31 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	519934		
226	28.0	22.6	33.8	
229	20.7	15.8	23.6	





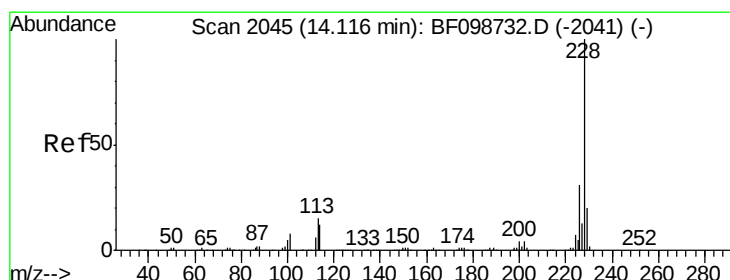
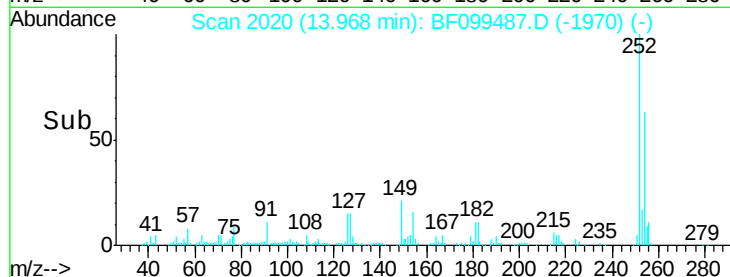
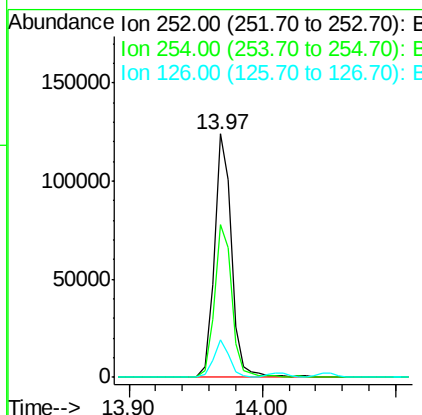
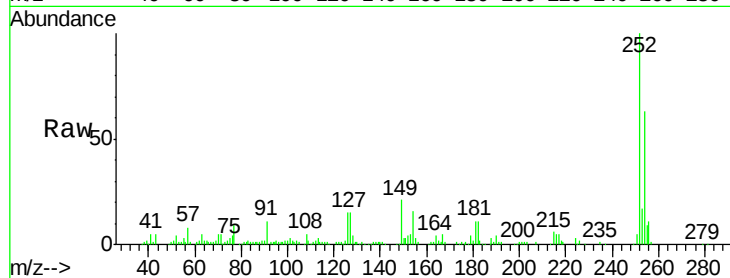
#81
 3,3'-Dichlorobenzidine
 Concen: 28.48 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Instrument :
 BNA_F
 ClientSampleId :
 CLEANSAND-11MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	62.6	50.4	75.6
126	15.2	11.3	16.9

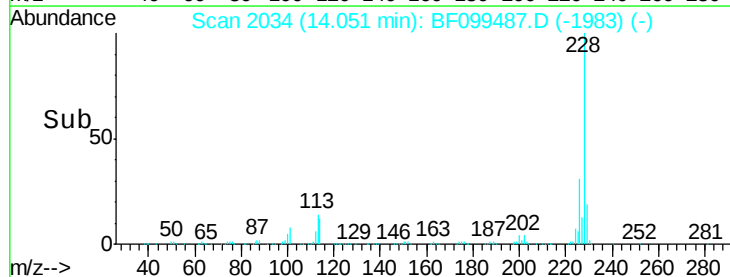
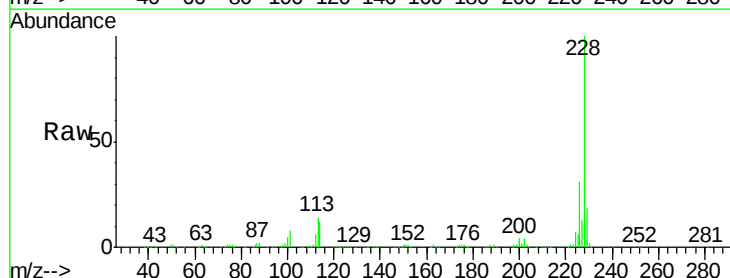
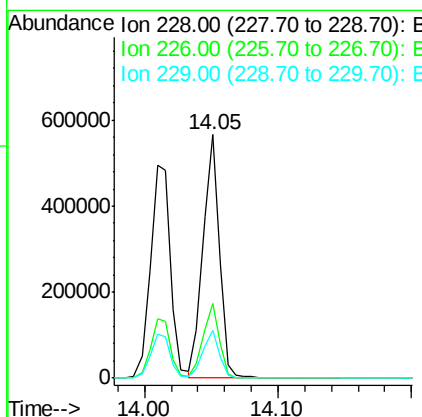
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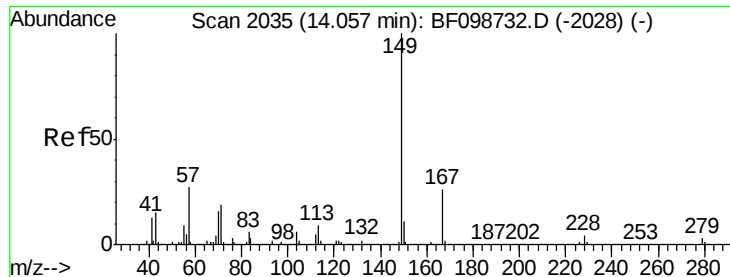
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#82
 Chrysene
 Concen: 47.11 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.6	25.0	37.6
229	19.4	16.2	24.4





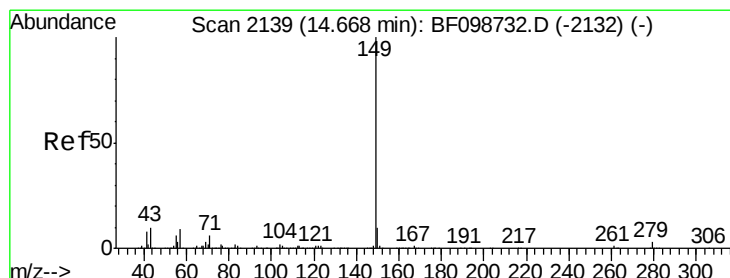
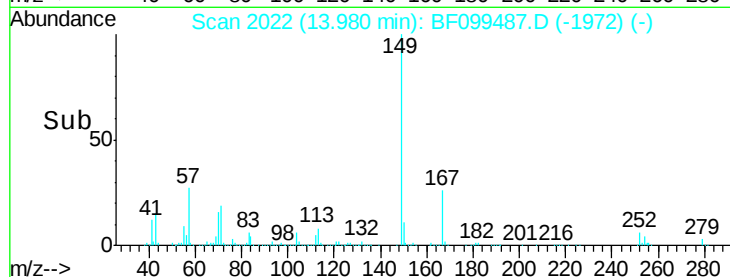
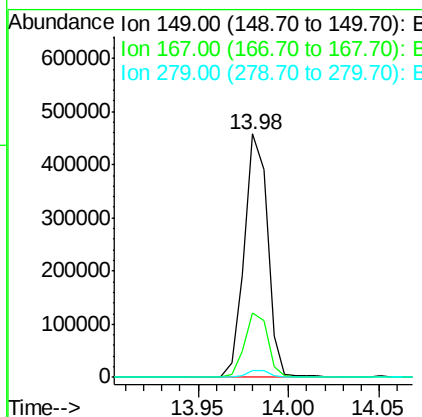
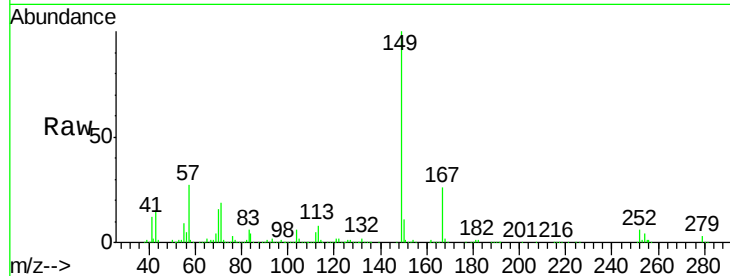
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 46.60 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Instrument :
 BNA_F
 ClientSampleId :
 CLEANSAND-11MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	26.4	21.3	31.9
279	2.7	3.0	4.4#

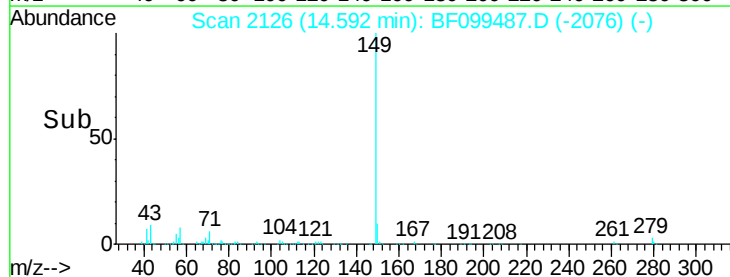
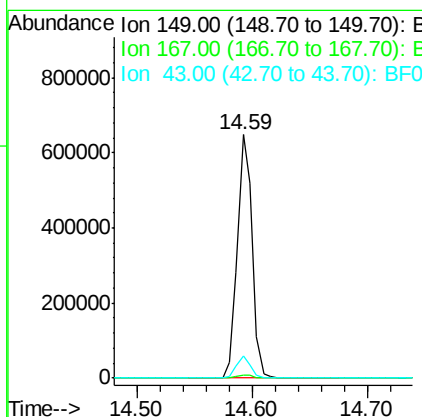
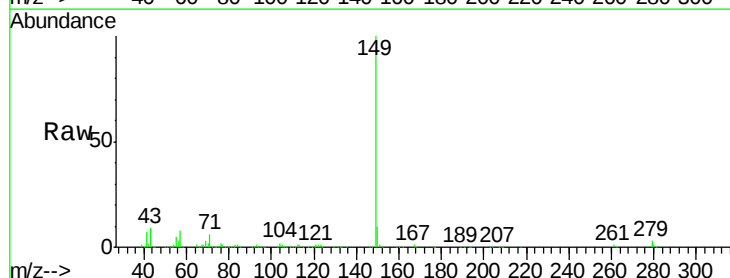
Manual Integrations
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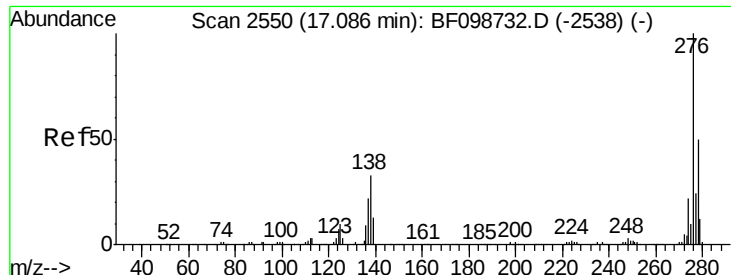
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#84
 Di-n-octyl phthalate
 Concen: 40.73 ng
 RT: 14.59 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	1.5	1.2	1.8
43	8.4	8.4	12.6#





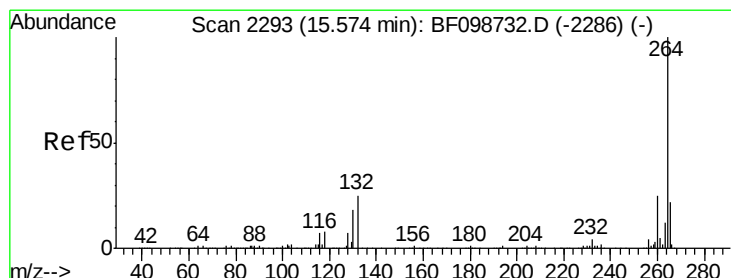
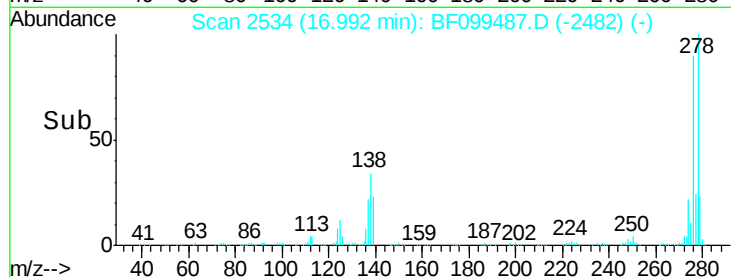
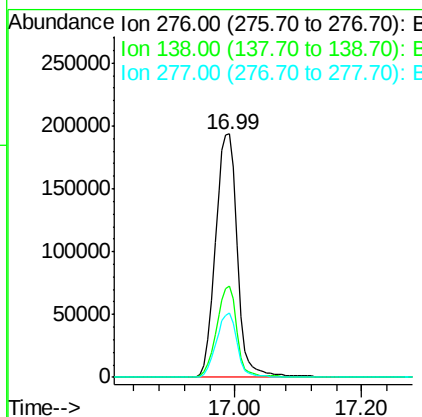
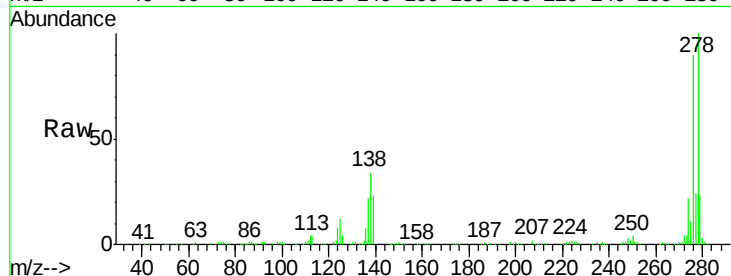
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 57.38 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. 0.01 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Instrument :
 BNA_F
 ClientSampleId :
 CLEANSAND-11MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.9	25.0	37.6
277	25.2	20.1	30.1

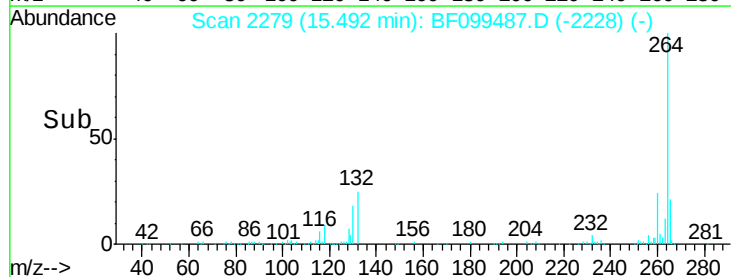
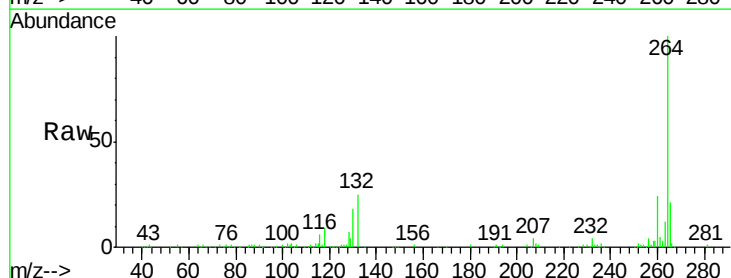
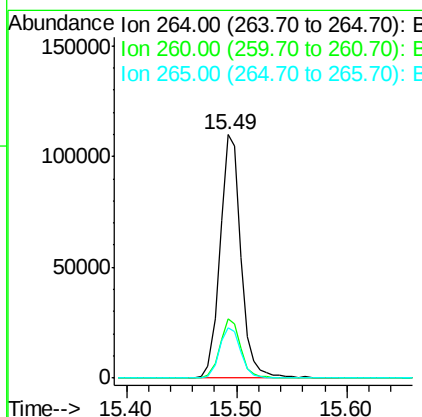
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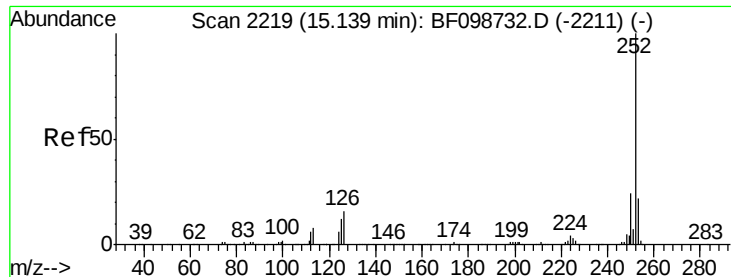
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BF099487.D
 Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	20.8	17.5	26.3





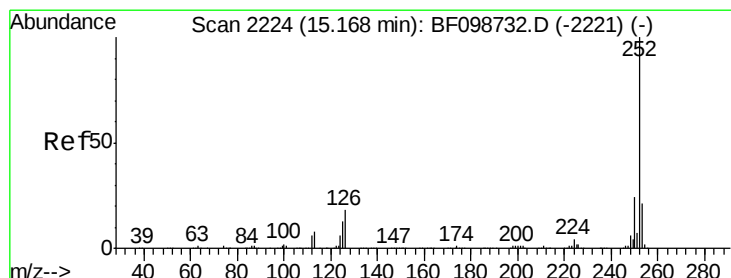
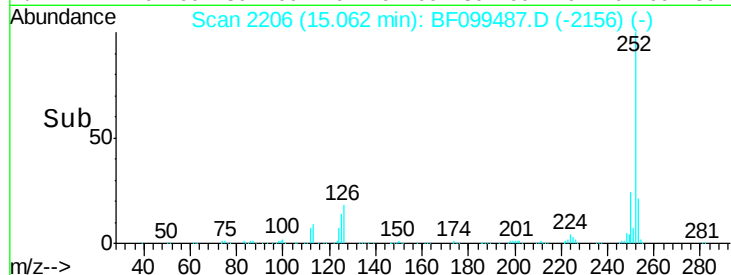
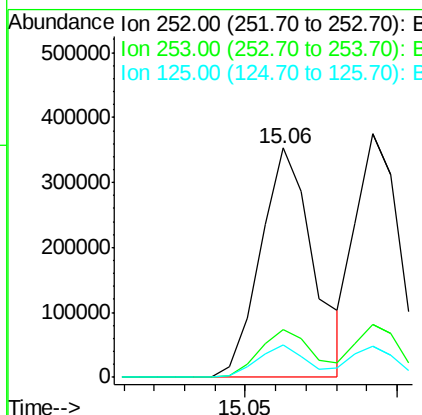
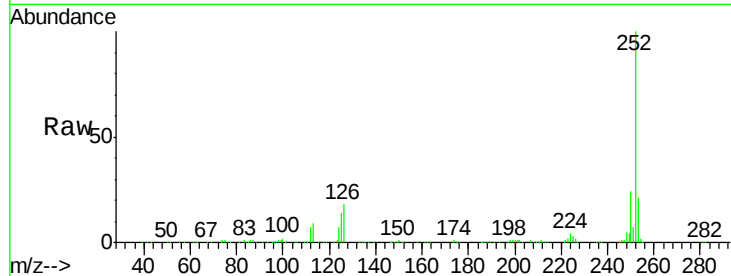
#87
Benzo(b)fluoranthene
Concen: 47.68 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Instrument :
BNA_F
ClientSampleId :
CLEANSAND-11MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.0	25.6
125	13.9	9.0	13.6

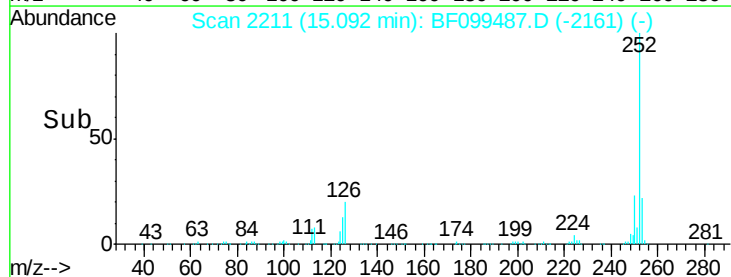
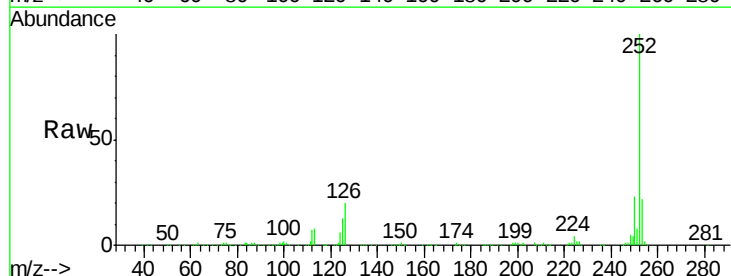
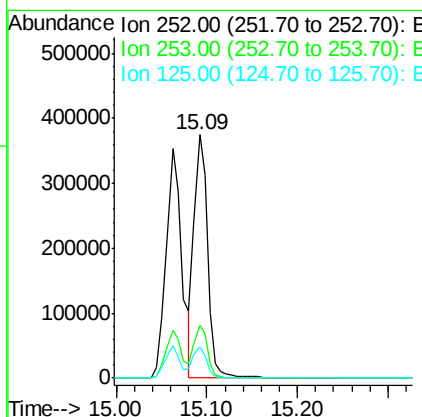
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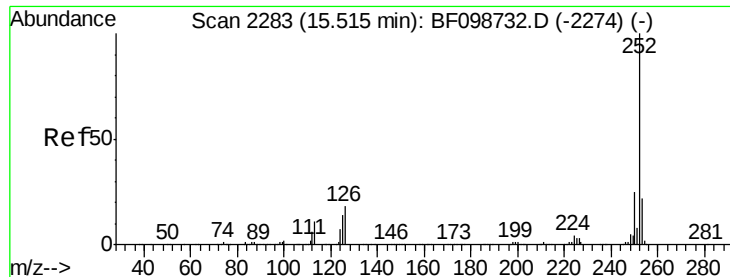
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#88
Benzo(k)fluoranthene
Concen: 43.40 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF099487.D
Acq: 14 Oct 2017 20:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	13.0	10.2	15.2





#89

Benzo(a)pyrene

Concen: 47.83 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Instrument :

BNA_F

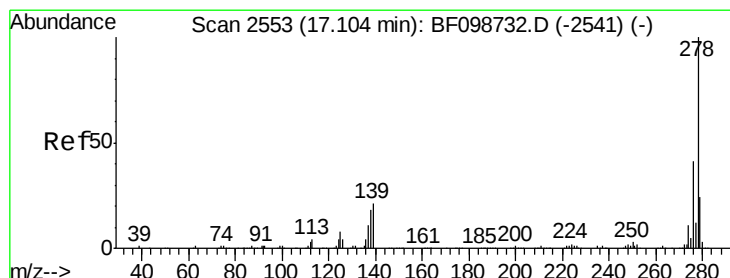
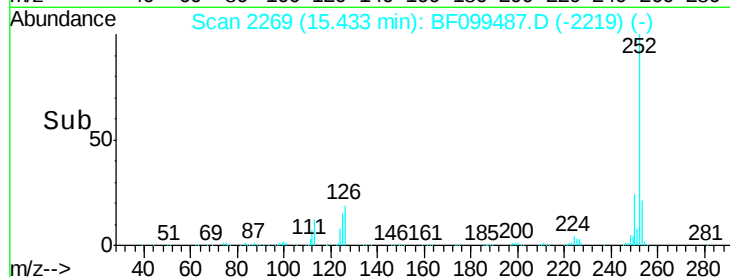
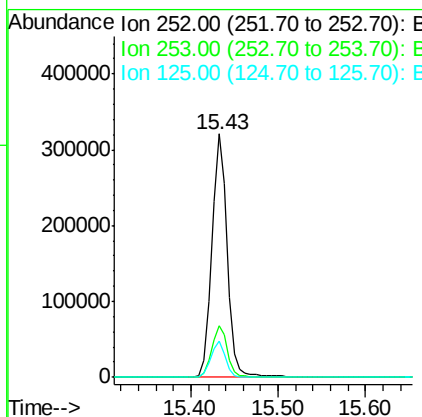
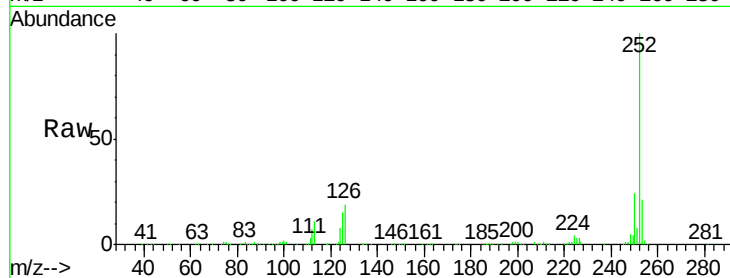
ClientSampleId :

CLEANSAND-11MSD

Tgt Ion:	252	Resp:	392019
Ion Ratio		Lower	Upper
252	100		
253	21.2	17.1	25.7
125	14.8	9.8	14.6

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#90

Dibenzo(a,h)anthracene

Concen: 59.53 ng

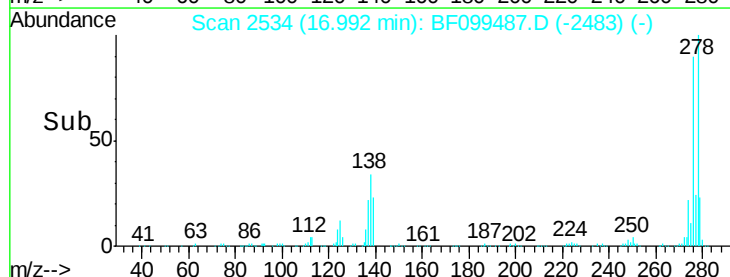
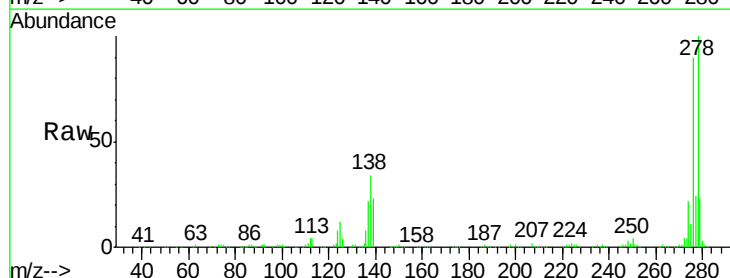
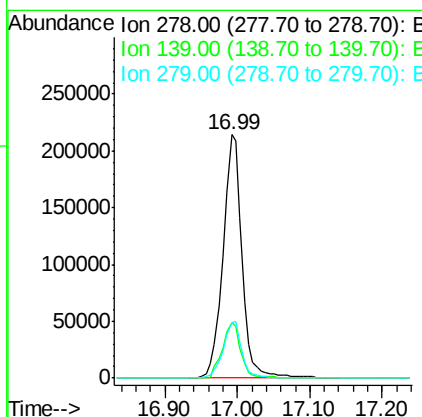
RT: 16.99 min Scan# 2534

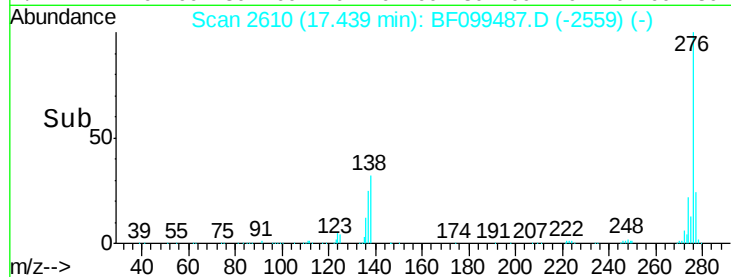
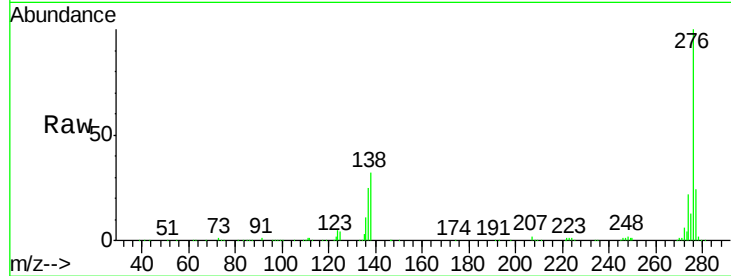
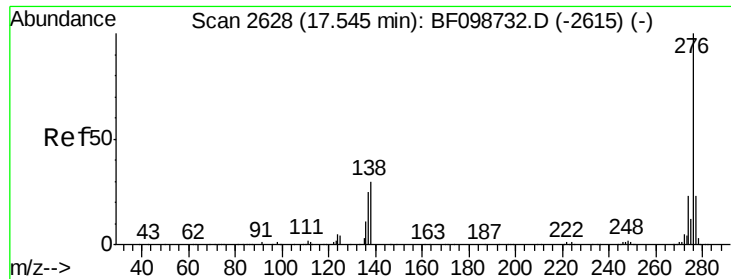
Delta R.T. 0.00 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Tgt Ion:	278	Resp:	390489
Ion Ratio		Lower	Upper
278	100		
139	22.7	15.9	23.9
279	22.9	19.0	28.4





#91

Benzo(g,h,i)perylene

Concen: 63.92 ng

RT: 17.44 min Scan# 2610

Delta R.T. 0.00 min

Lab File: BF099487.D

Acq: 14 Oct 2017 20:05

Tgt Ion:	276	Resp:	414435
Ion Ratio		Lower	Upper
276	100		
277	23.6	17.9	26.9
138	31.7	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

CLEANSAND-11MSD

Manual Integrations
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