

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097649.D
 Acq On : 12 Aug 2017 23:07
 Operator : SJ/JU
 Sample : I4631-03MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Manual Integrations
 APPROVED

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 8/14/2017 7:06:38 PM

Quant Time: Aug 14 12:07:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	117662	20.00	ng	0.00
21) Naphthalene-d8	9.53	136	451928	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	176106	20.00	ng	0.00
63) Phenanthrene-d10	14.76	188	246338	20.00	ng	0.00
75) Chrysene-d12	18.47	240	168860	20.00	ng	0.00
86) Perylene-d12	20.14	264	170763	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	529786	71.57	ng	0.05
7) Phenol-d6	7.12	99	348706	37.97	ng	0.06
23) Nitrobenzene-d5	8.43	82	635060	88.11	ng	0.00
41) 2,4,6-Tribromophenol	13.67	330	151401	113.09	ng	0.00
44) 2-Fluorobiphenyl	11.32	172	988123	84.68	ng	0.00
78) Terphenyl-d14	17.12	244	512825	62.86	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.86	88	38847	12.093	ng	# 78
3) Pyridine	2.54	79	57002	6.084	ng	# 70
4) n-Nitrosodimethylamine	2.42	42	80903	14.882	ng	# 77
6) Aniline	7.02	93	75726	5.738	ng	99
8) 2-Chlorophenol	7.21	128	299439	35.287	ng	89
9) Benzaldehyde	6.82	77	171097	28.256	ng	98
10) Phenol	7.15	94	156990m	15.614	ng	
11) bis(2-Chloroethyl)ether	7.15	93	329471	40.855	ng	90
12) 1,3-Dichlorobenzene	7.40	146	317399	33.399	ng	98
13) 1,4-Dichlorobenzene	7.53	146	353748	36.570	ng	95
14) 1,2-Dichlorobenzene	7.76	146	333518	37.781	ng	99
15) Benzyl Alcohol	7.82	79	176986	27.892	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.00	45	876019	48.383	ng	90
17) 2-Methylphenol	8.06	107	227741	34.628	ng	98
18) Hexachloroethane	8.28	117	115198	34.809	ng	# 81
19) n-Nitroso-di-n-propylamine	8.24	70	282500	44.229	ng	# 80
20) 3+4-Methylphenols	8.33	107	238507	29.612	ng	# 60
22) Acetophenone	8.19	105	508053	47.586	ng	# 99
24) Nitrobenzene	8.46	77	329610	41.966	ng	93
25) Isophorone	8.86	82	571782	43.067	ng	96
26) 2-Nitrophenol	8.96	139	170527	42.925	ng	# 89
27) 2,4-Dimethylphenol	9.12	122	261531	39.477	ng	98
28) bis(2-Chloroethoxy)methane	9.23	93	390987	40.758	ng	99
29) 2,4-Dichlorophenol	9.40	162	246866	42.261	ng	95
30) 1,2,4-Trichlorobenzene	9.46	180	226278	39.070	ng	98
31) Naphthalene	9.57	128	874016	38.611	ng	99
32) Benzoic acid	9.42	122	26296	7.366	ng	96
33) 4-Chloroaniline	9.73	127	141928	15.135	ng	98
34) Hexachlorobutadiene	9.79	225	114909	36.321	ng	99
35) Caprolactam	10.42	113	9677	5.141	ng	# 29
36) 4-Chloro-3-methylphenol	10.60	107	231112	35.213	ng	85
37) 2-Methylnaphthalene	10.70	142	575757	40.424	ng	98
39) 1,2,4,5-Tetrachlorobenzene	10.97	216	209139	41.939	ng	99
40) Hexachlorocyclopentadiene	10.95	237	33256	45.383	ng	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.21	196	129543	39.429	nq	97
43) 2,4,5-Trichlorophenol	11.30	196	111393	35.897	nq	96
45) 1,1'-Biphenyl	11.46	154	611457	40.470	nq	98
46) 2-Chloronaphthalene	11.48	162	459147	39.579	nq	# 93
47) 2-Nitroaniline	11.70	65	177040	38.958	nq	97
48) Acenaphthylene	12.13	152	715478	38.796	nq	99
49) Dimethylphthalate	12.02	163	610304	44.968	nq	98
50) 2,6-Dinitrotoluene	12.12	165	115314	41.144	nq	# 65
51) Acenaphthene	12.42	154	428500	38.770	nq	98
52) 3-Nitroaniline	12.39	138	68104	18.559	nq	94
53) 2,4-Dinitrophenol	12.62	184	46562	40.300	nq	# 71
54) Dibenzofuran	12.70	168	638044	41.237	nq	97
55) 4-Nitrophenol	12.91	139	12706m	9.092	nq	
56) 2,4-Dinitrotoluene	12.78	165	152940	40.884	nq	# 77
57) Fluorene	13.26	166	491133	38.598	nq	98
58) 2,3,4,6-Tetrachlorophenol	12.96	232	73971	34.709	nq	# 78
59) Diethylphthalate	13.16	149	535522	41.776	nq	98
60) 4-Chlorophenyl-phenylether	13.29	204	217576	40.052	nq	95
61) 4-Nitroaniline	13.39	138	59498	16.997	nq	95
62) Azobenzene	13.54	77	513299	40.249	nq	92
64) 4,6-Dinitro-2-methylphenol	13.46	198	41956	27.921	nq	91
65) n-Nitrosodiphenylamine	13.50	169	424575	46.640	nq	98
66) 4-Bromophenyl-phenylether	14.07	248	118993	46.560	nq	95
67) Hexachlorobenzene	14.15	284	122088	43.855	nq	# 87
68) Atrazine	14.48	200	70198	30.734	nq	91
69) Pentachlorophenol	14.53	266	14310	29.115	nq	92
70) Phenanthrene	14.80	178	591010	41.655	nq	99
71) Anthracene	14.89	178	592407	40.809	nq	99
72) Carbazole	15.19	167	522470	37.807	nq	100
73) Di-n-butylphthalate	15.76	149	714795	44.190	nq	99
74) Fluoranthene	16.57	202	482567	37.640	nq	98
77) Pyrene	16.87	202	522524	37.420	nq	99
79) Butylbenzylphthalate	17.79	149	265652	45.506	nq	# 72
80) Benzo(a)anthracene	18.46	228	425813	43.176	nq	98
82) Chrysene	18.50	228	402310	41.013	nq	100
83) Bis(2-ethylhexyl)phthalate	18.54	149	379381	45.692	nq	98
84) Di-n-octyl phthalate	19.30	149	600247	41.396	nq	# 94
85) Indeno(1,2,3-cd)pyrene	21.36	276	397204	52.062	nq	96
87) Benzo(b)fluoranthene	19.73	252	467615m	45.603	nq	
88) Benzo(k)fluoranthene	19.76	252	372491	36.069	nq	97
89) Benzo(a)pyrene	20.09	252	402858	42.804	nq	99
90) Dibenzo(a,h)anthracene	21.36	278	331249	49.156	nq	# 93
91) Benzo(g,h,i)perylene	21.71	276	342626	46.348	nq	97

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

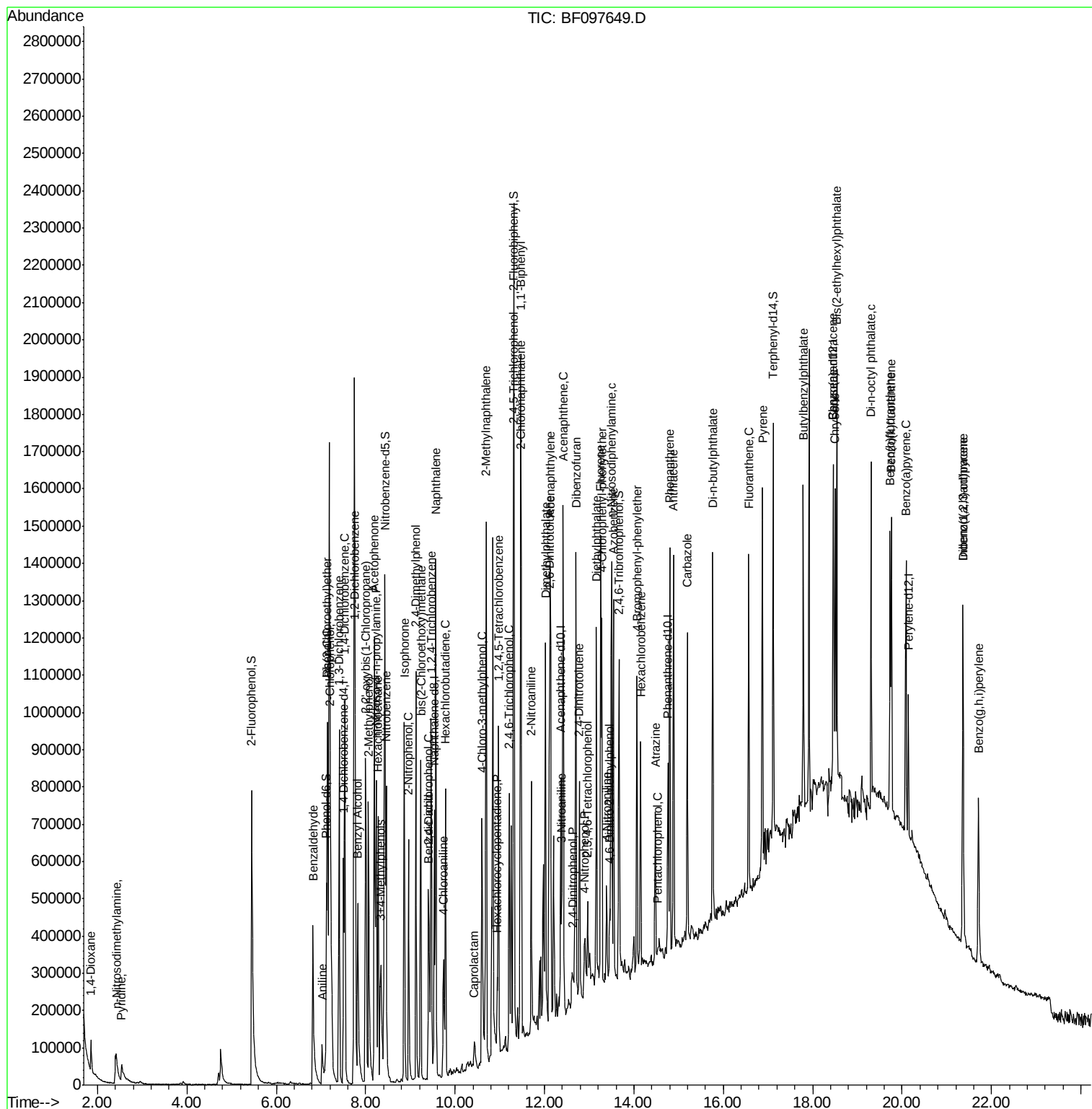
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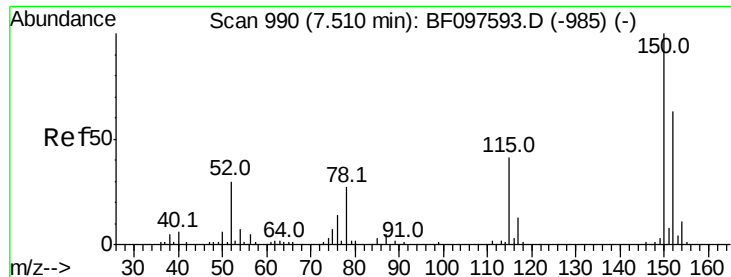
Instrument :
BNA_F
ClientSampled :
VE-4-11MSD

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#1

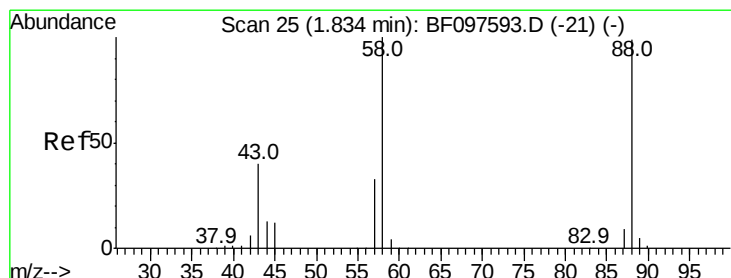
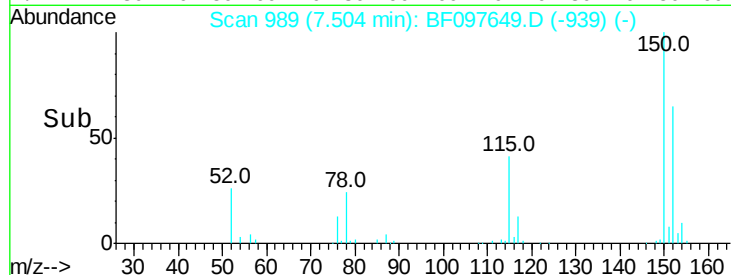
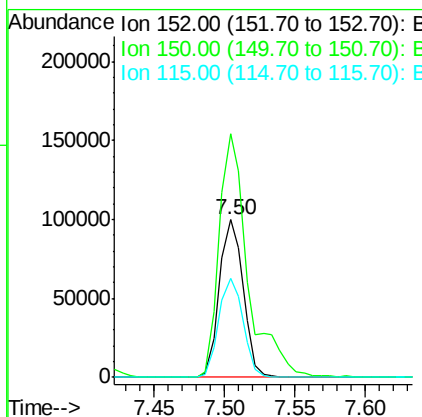
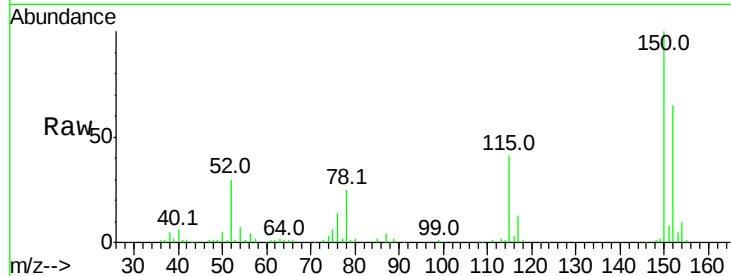
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.50 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.2	189.2
115	62.9	52.2	78.2

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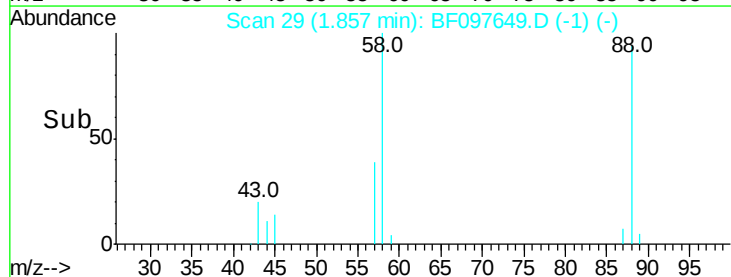
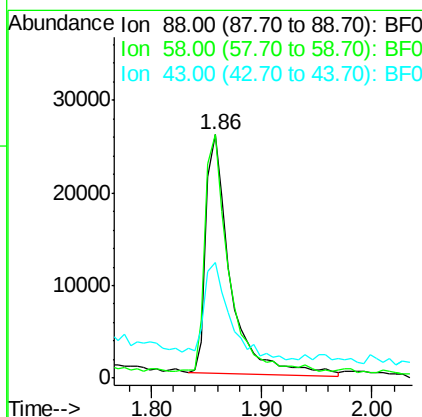
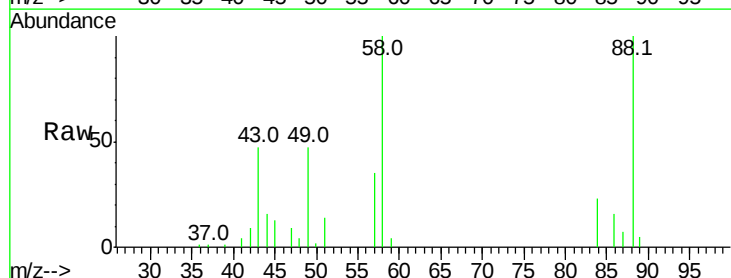
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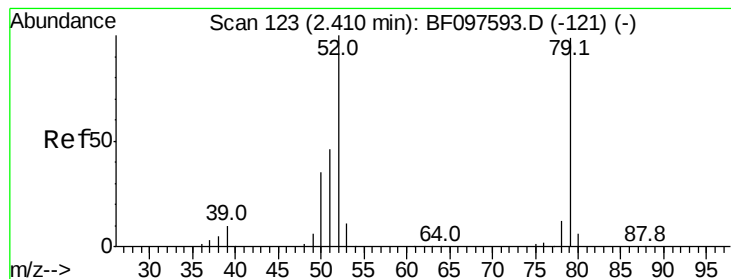


#2

1,4-Dioxane
Concen: 12.093 ng
RT: 1.86 min Scan# 29
Delta R.T. 0.02 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	94.1	61.4	92.0#
43	43.1	23.4	35.0#





#3

Pvridine

Concen: 6.084 ng

RT: 2.54 min Scan# 145

Delta R.T. 0.13 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

Tot Ion: 79 Resp: 57002

Ion Ratio Lower Upper

79 100

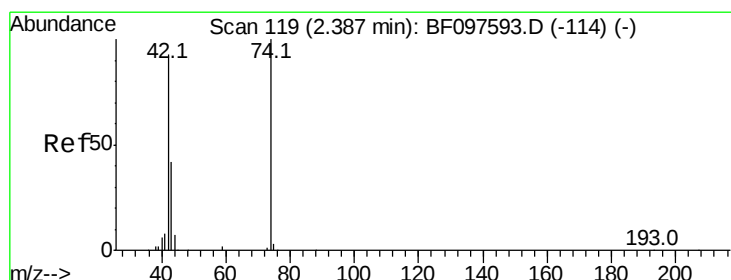
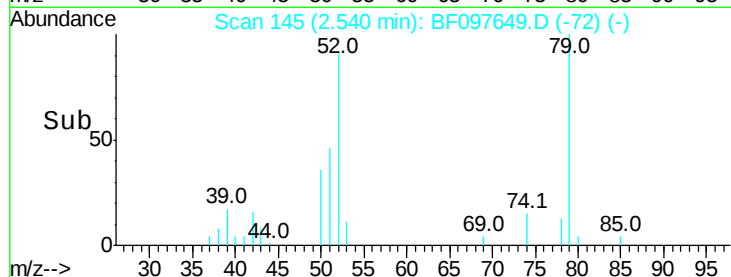
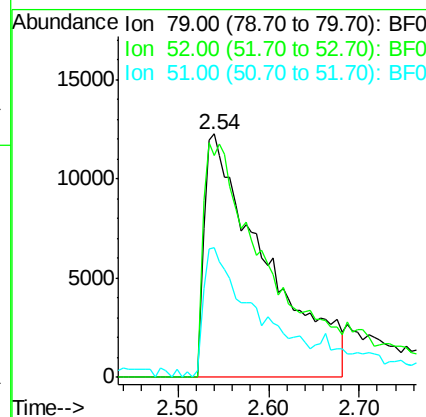
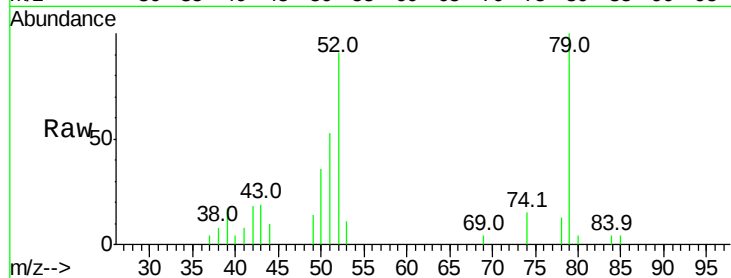
52 90.9 54.8 82.2#

51 53.3 27.0 40.4#

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#4

n-Nitrosodimethylamine

Concen: 14.882 ng

RT: 2.42 min Scan# 124

Delta R.T. 0.03 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

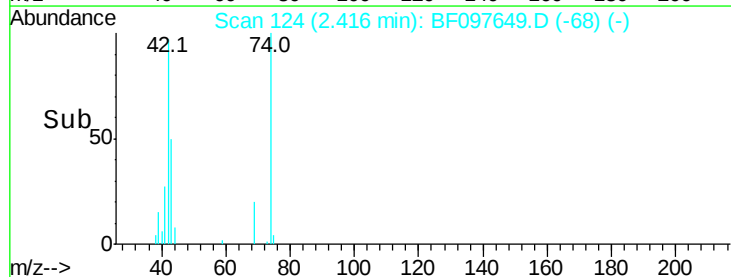
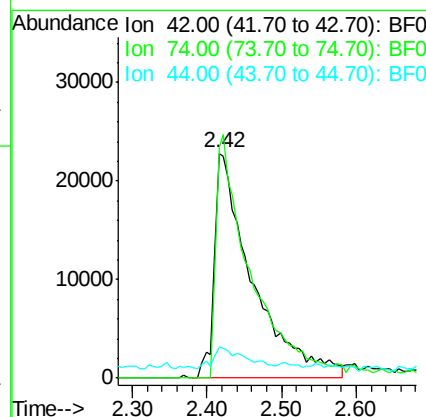
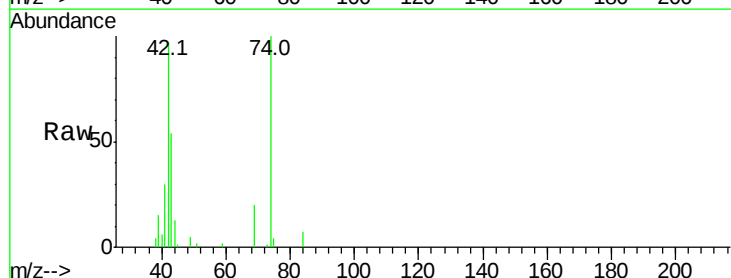
Tgt Ion: 42 Resp: 80903

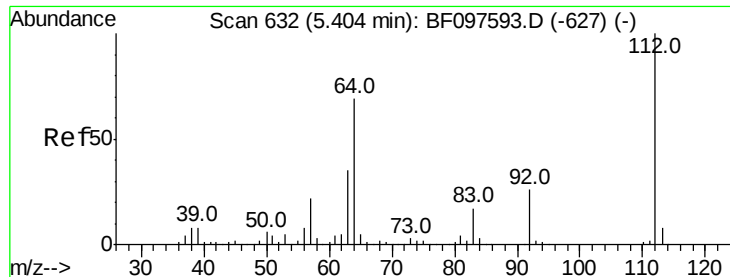
Ion Ratio Lower Upper

42 100

74 103.0 103.9 155.9#

44 13.8 5.7 8.5#





#5

2-Fluorophenol

Concen: 71.569 ng

RT: 5.45 min Scan# 640

Delta R.T. 0.05 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

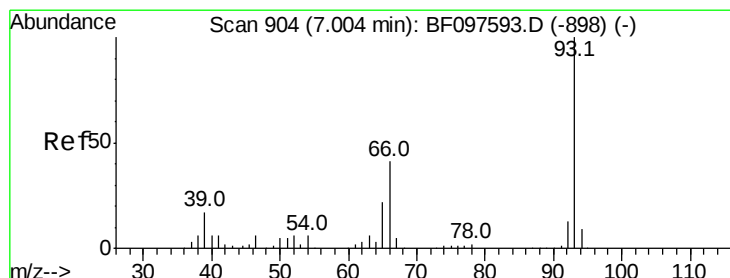
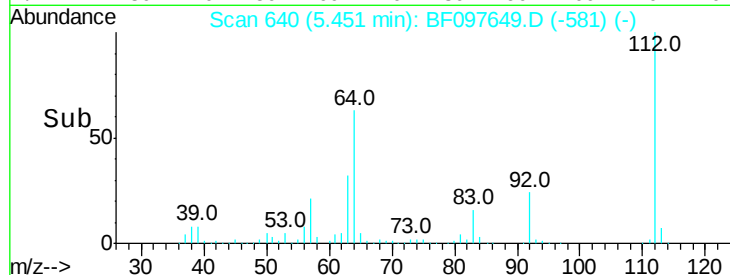
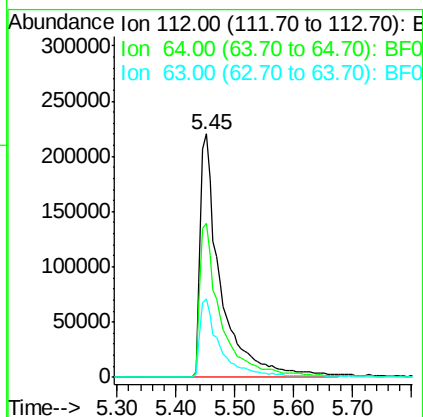
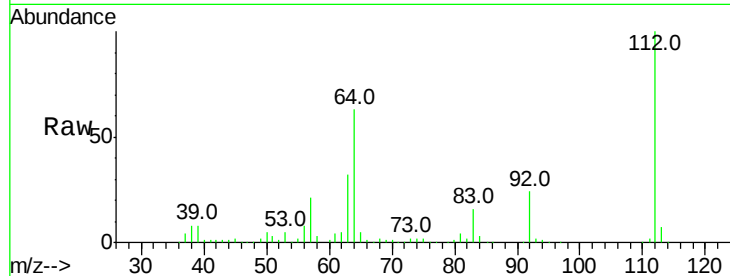
ClientSampleId :

VE-4-11MSD

Tot Ion:	112	Resp:	529786
Ion Ratio	Lower	Upper	
112	100		
64	63.0	46.0	69.0
63	32.1	23.4	35.0

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#6

Aniline

Concen: 5.738 ng

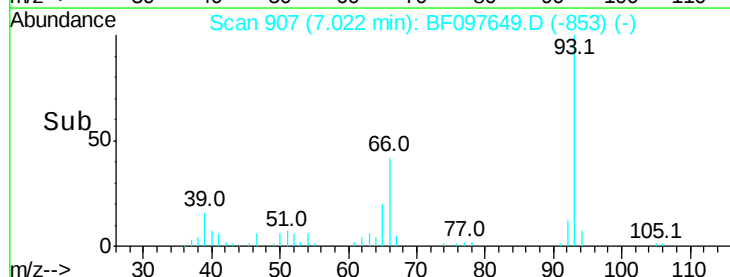
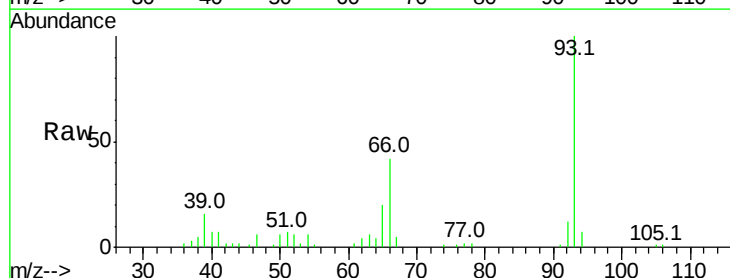
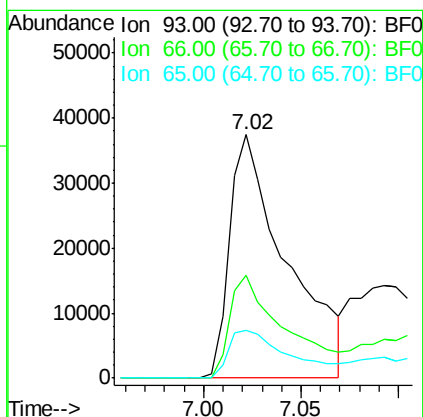
RT: 7.02 min Scan# 907

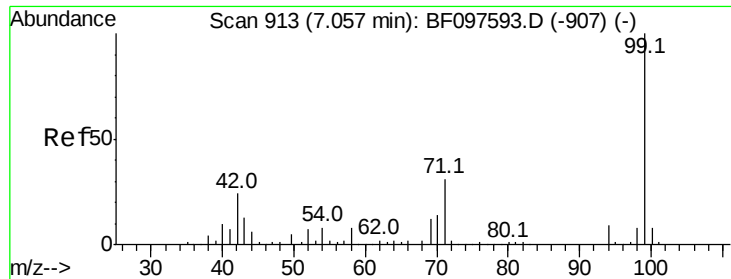
Delta R.T. 0.02 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion:	93	Resp:	75726
Ion Ratio	Lower	Upper	
93	100		
66	42.0	32.9	49.3
65	19.7	16.0	24.0





#7

Phenol-d6

Concen: 37.974 ng

RT: 7.12 min Scan# 923

Delta R.T. 0.06 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

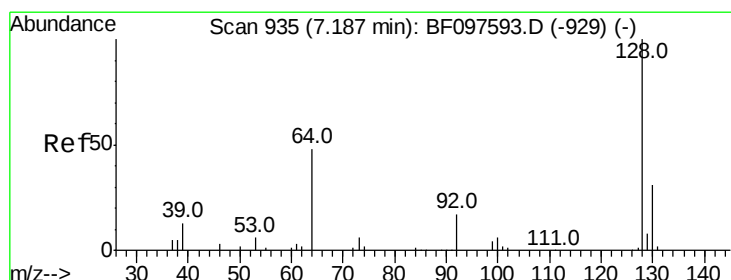
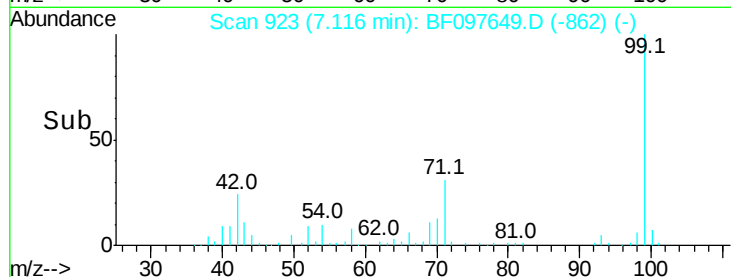
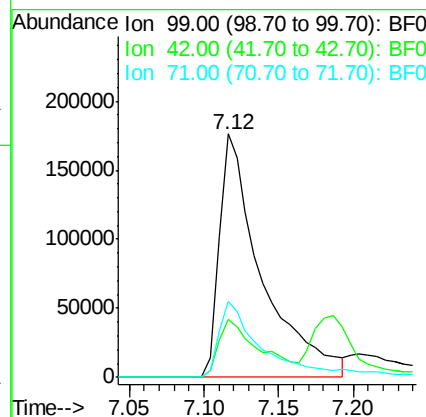
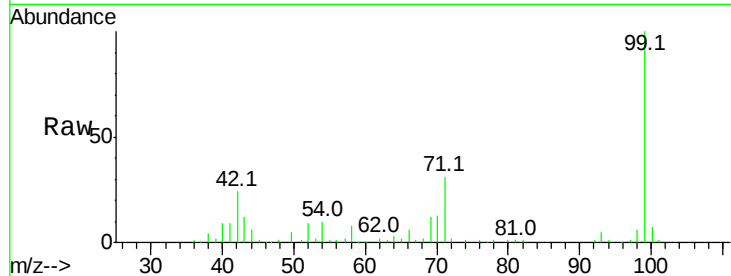
ClientSampleId :

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Tot Ion	99	Resp	348706
Ion Ratio	Lower	Upper	
99	100		
42	24.0	13.5	20.3#
71	31.0	24.5	36.7

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#8

2-Chlorophenol

Concen: 35.287 ng

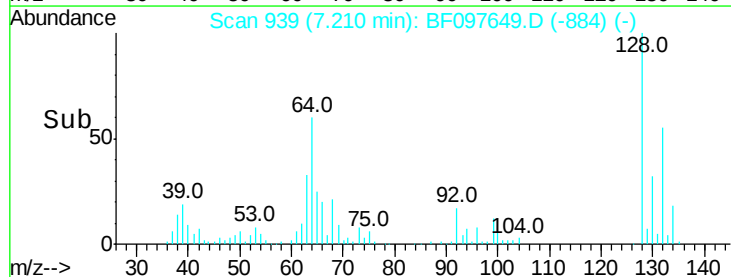
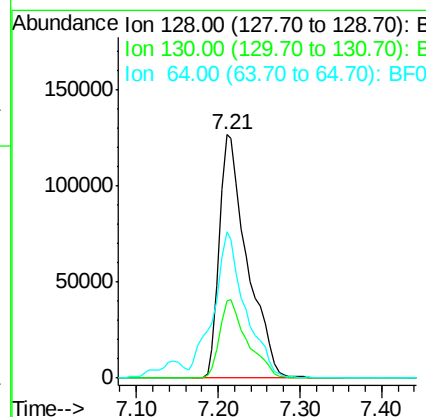
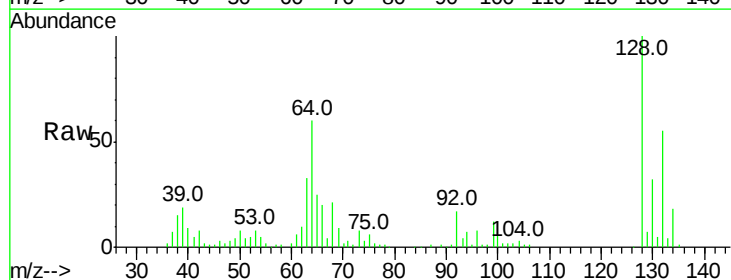
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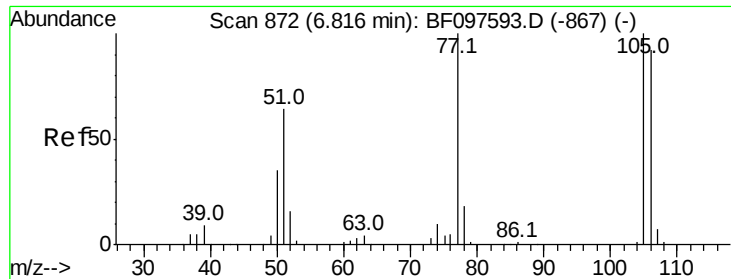
Delta R.T. 0.02 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion	128	Resp	299439
Ion Ratio	Lower	Upper	
128	100		
130	32.0	12.9	52.9
64	60.2	28.4	68.4





#9

Benzaldehyde

Concen: 28.256 ng

RT: 6.82 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

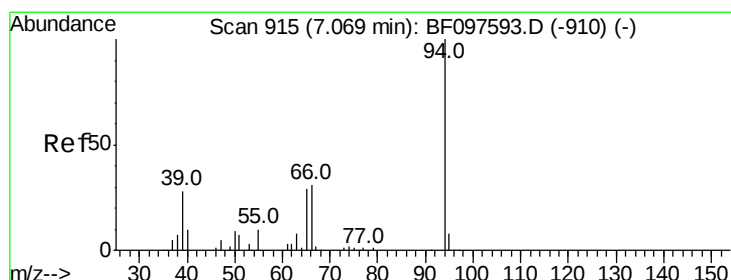
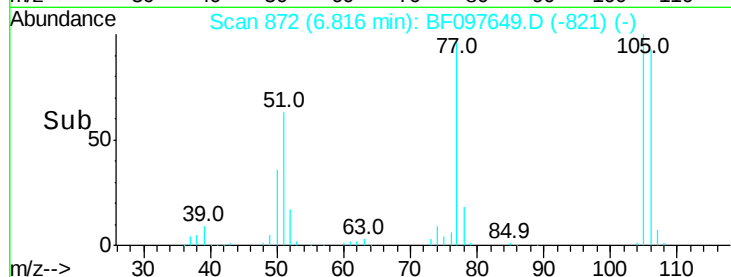
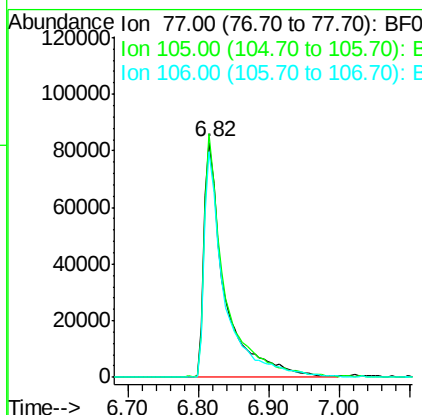
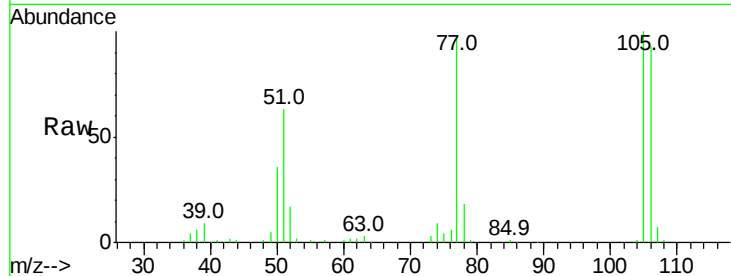
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	103.6	83.8	123.8		
106	96.3	79.1	119.1		

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#10

Phenol

Concen: 15.614 ng m

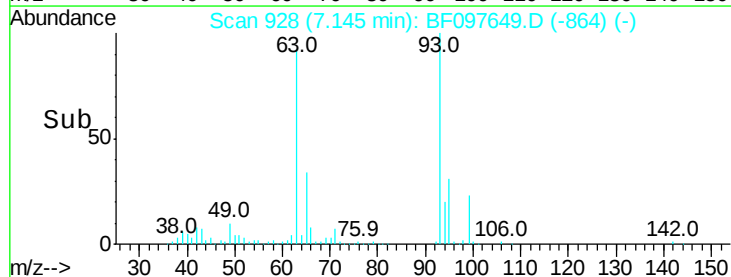
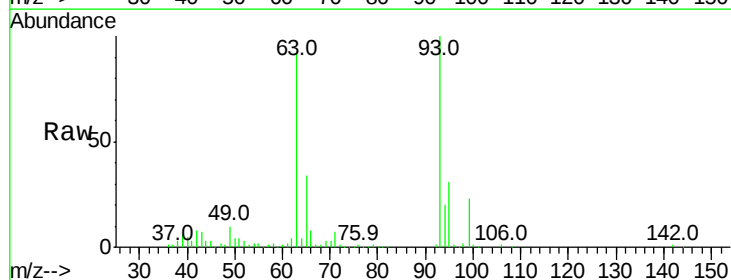
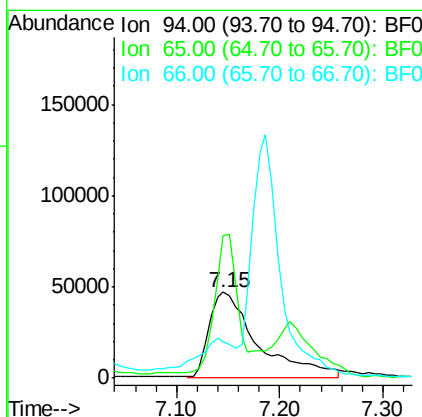
RT: 7.15 min Scan# 928

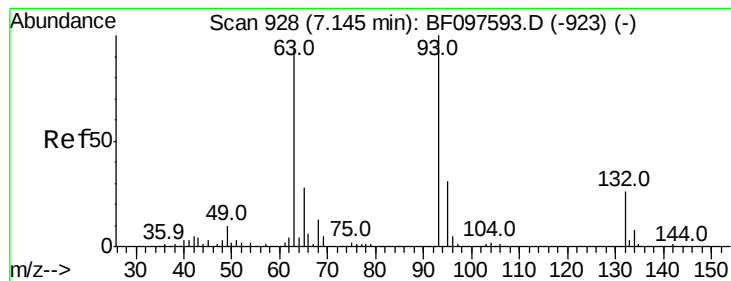
Delta R.T. 0.08 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	166.7	9.9	49.9#		
66	41.7	23.1	63.1		





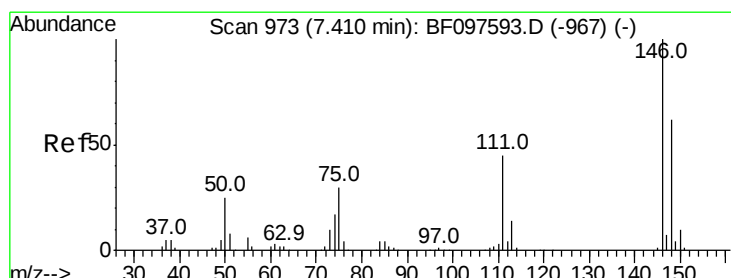
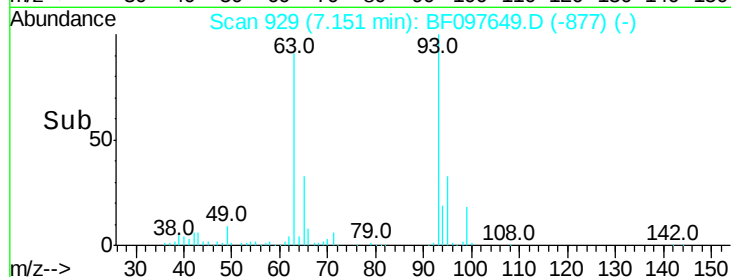
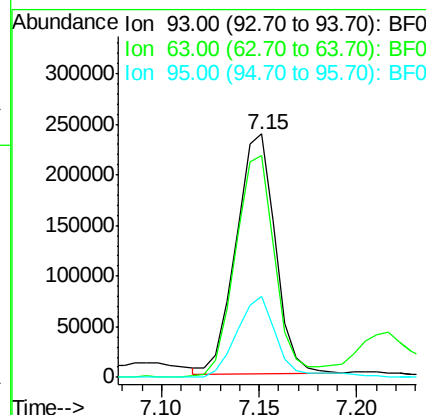
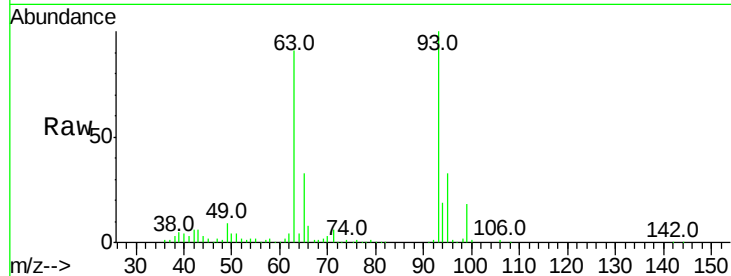
#11
bis(2-Chloroethyl)ether
Concen: 40.855 ng
RT: 7.15 min Scan# 929
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	329471		
63	91.1	59.2	99.2	
95	33.2	12.8	52.8	

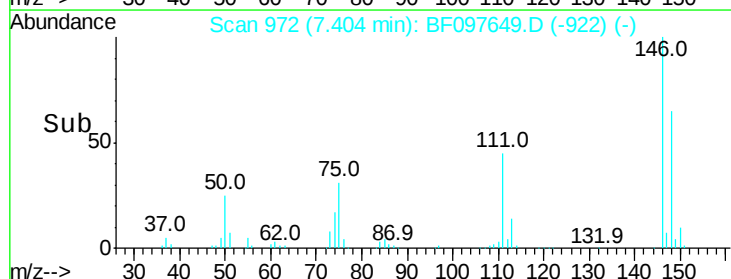
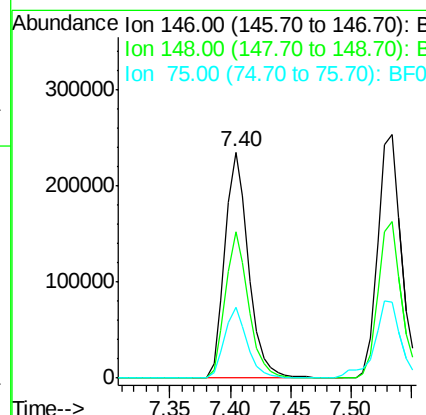
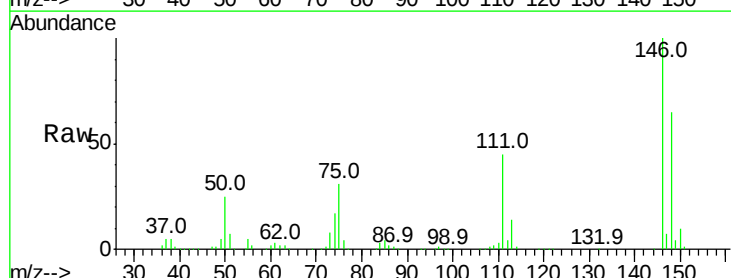
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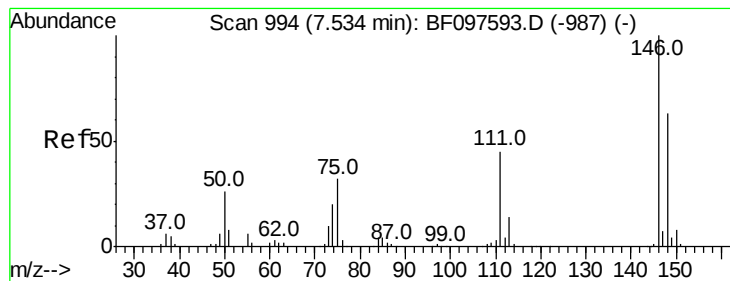
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#12
1,3-Dichlorobenzene
Concen: 33.399 ng
RT: 7.40 min Scan# 972
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	317399		
148	64.8	51.8	77.6	
75	31.4	23.1	34.7	





#13

1,4-Dichlorobenzene

Concen: 36.570 ng

RT: 7.53 min Scan# 994

Delta R.T. -0.00 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

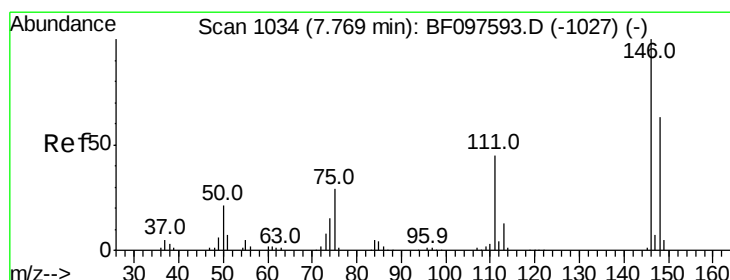
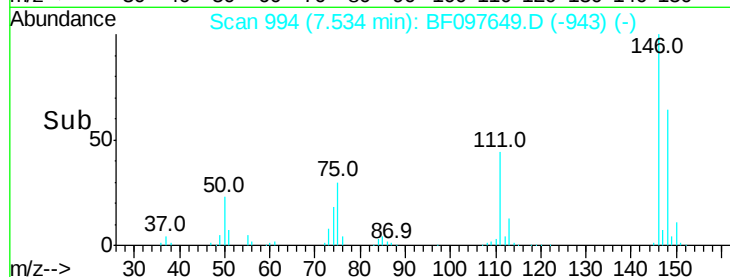
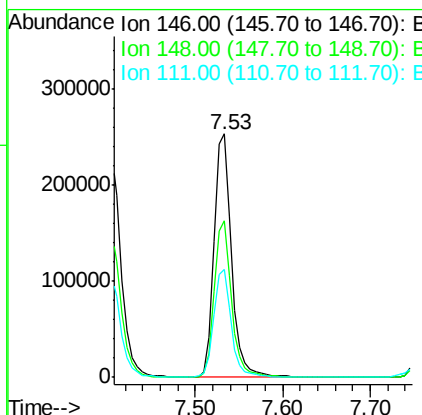
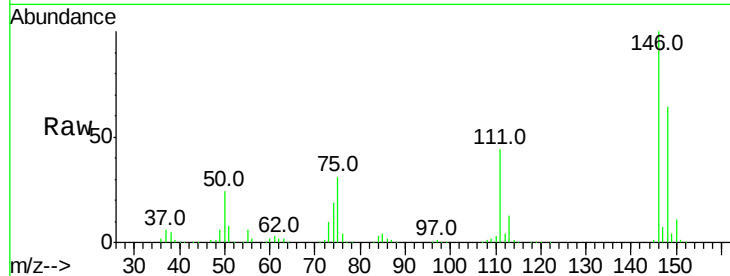
ClientSampleId :

VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.2	78.2
111	44.1	30.3	45.5

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#14

1,2-Dichlorobenzene

Concen: 37.781 ng

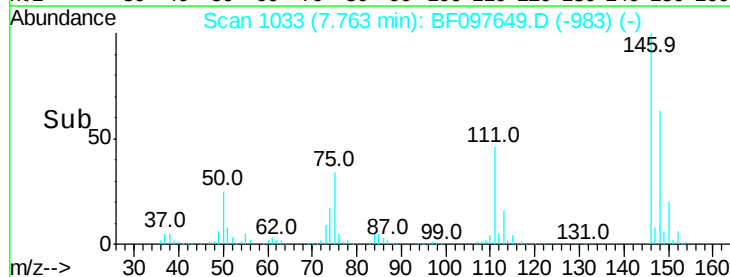
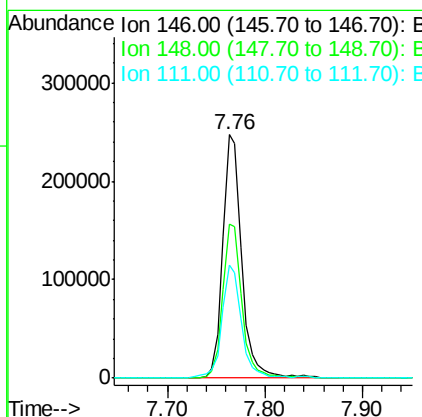
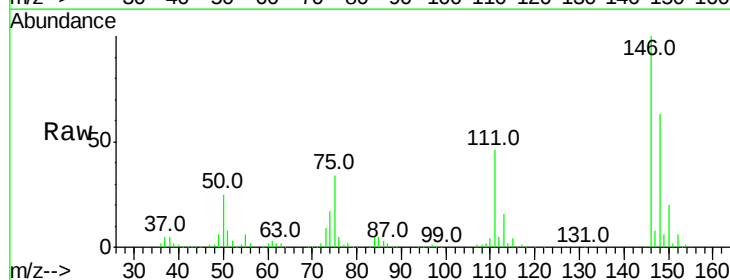
RT: 7.76 min Scan# 1033

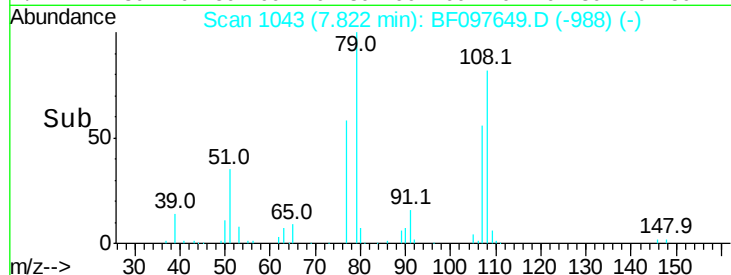
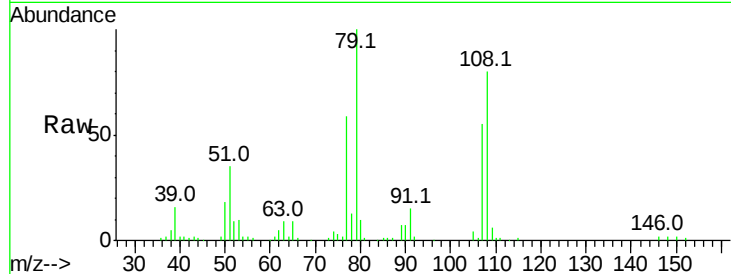
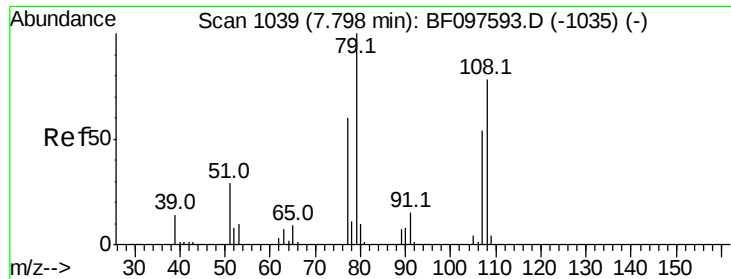
Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.4	75.6
111	46.5	38.2	57.4





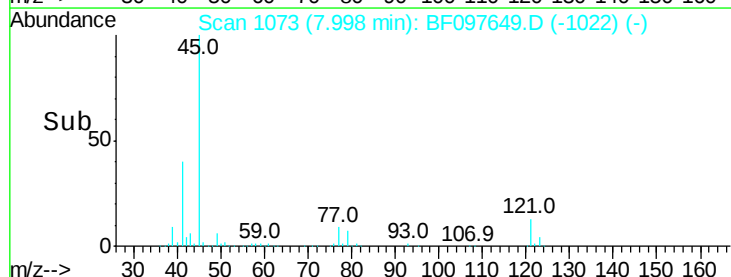
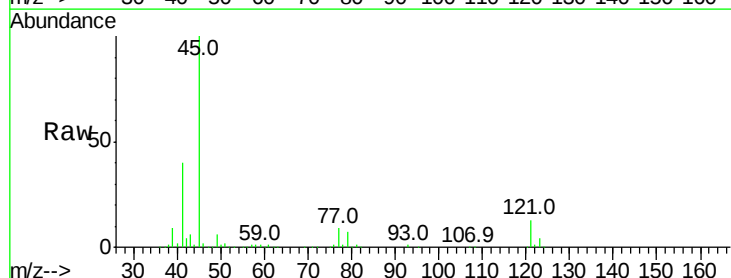
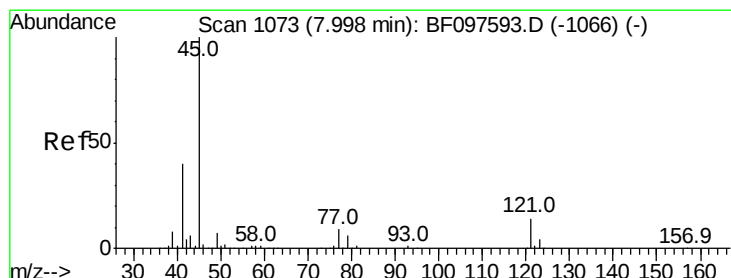
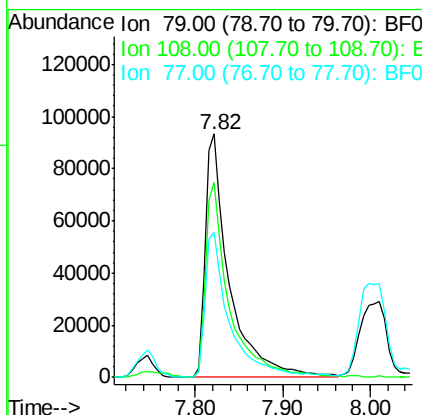
#15
Benzyl Alcohol
Concen: 27.892 ng
RT: 7.82 min Scan# 1043
Delta R.T. 0.02 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tot Ion	Ratio	Lower	Upper
79	100		
108	80.1	63.4	95.0
77	59.4	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

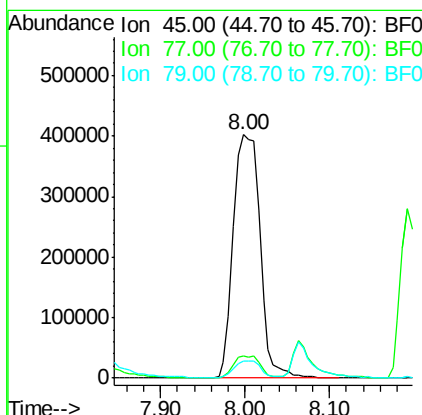
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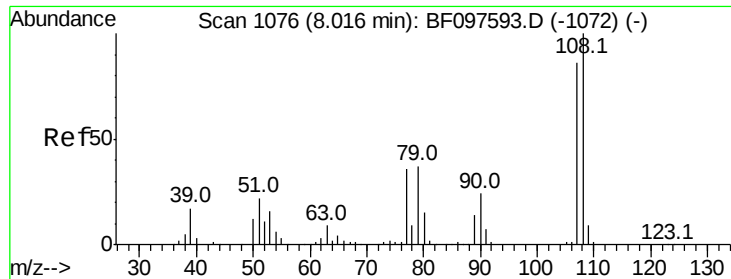
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.383 ng
RT: 8.00 min Scan# 1073
Delta R.T. 0.00 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
45	100		
77	9.0	0.0	33.2
79	6.9	0.0	30.0





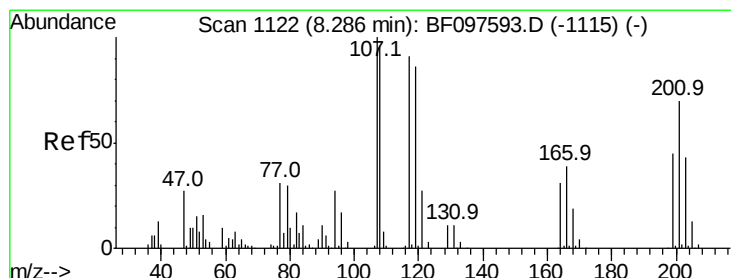
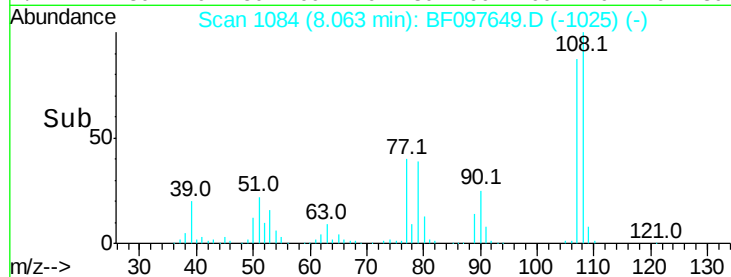
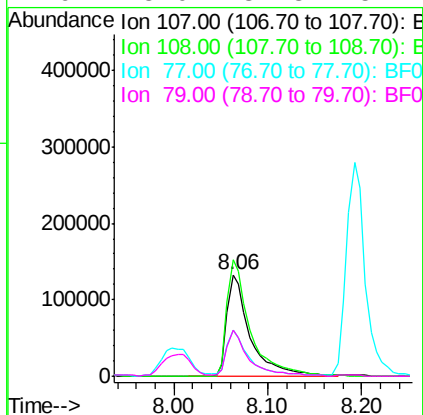
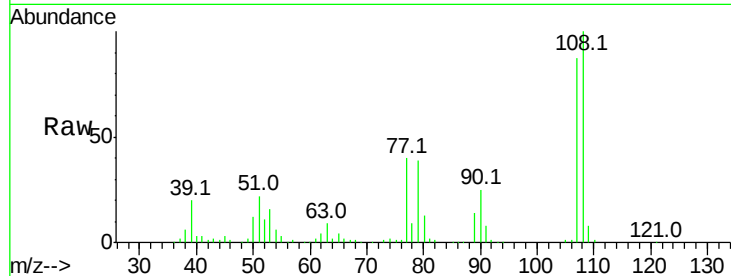
#17
2-Methylphenol
Concen: 34.628 ng
RT: 8.06 min Scan# 1084
Delta R.T. 0.05 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.9	93.4	140.0	
77	46.0	35.8	53.6	
79	45.0	34.8	52.2	

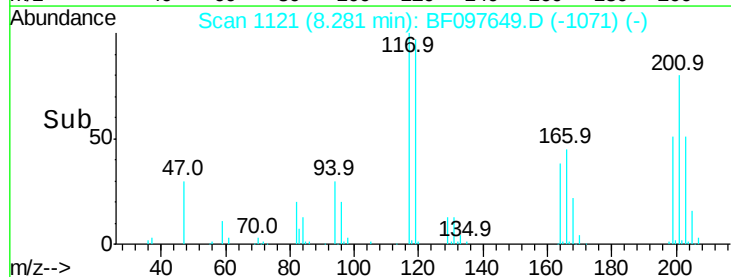
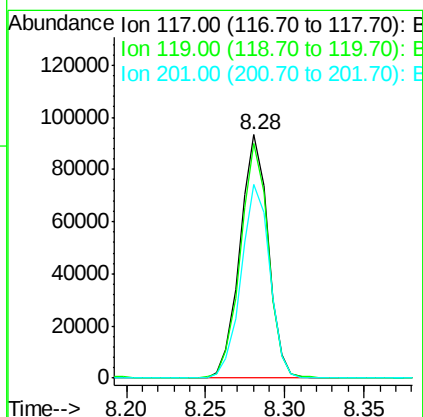
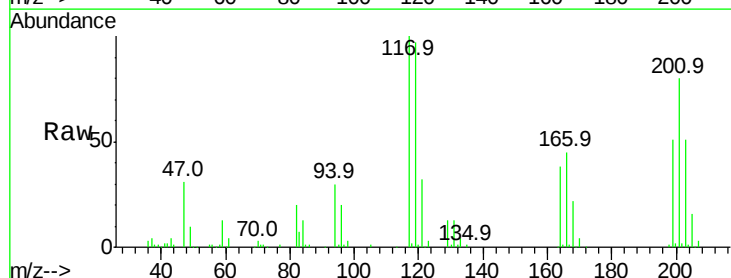
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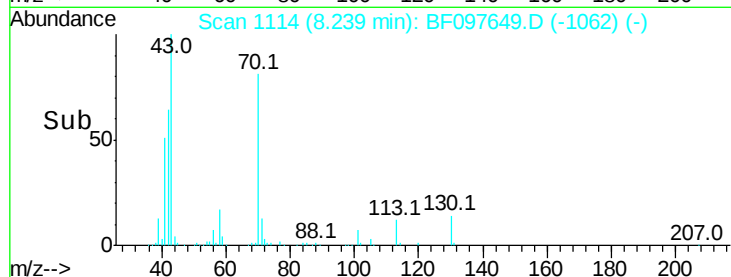
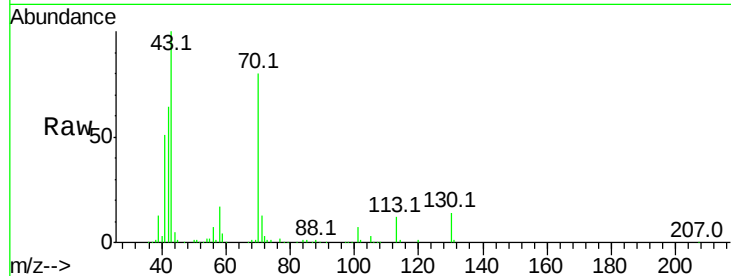
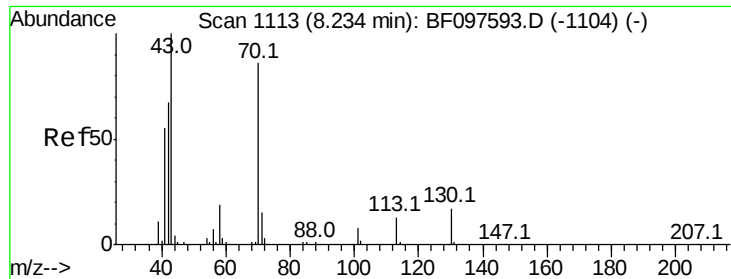
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#18
Hexachloroethane
Concen: 34.809 ng
RT: 8.28 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.6	77.4	116.0	
201	79.7	94.6	141.8#	





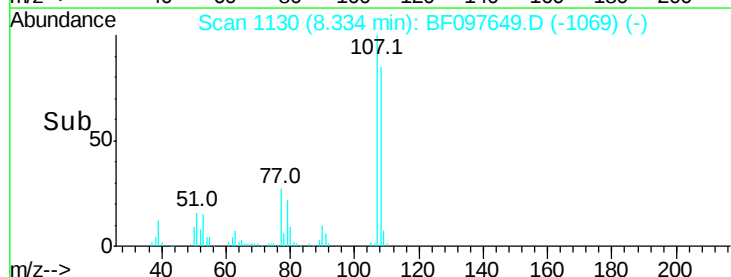
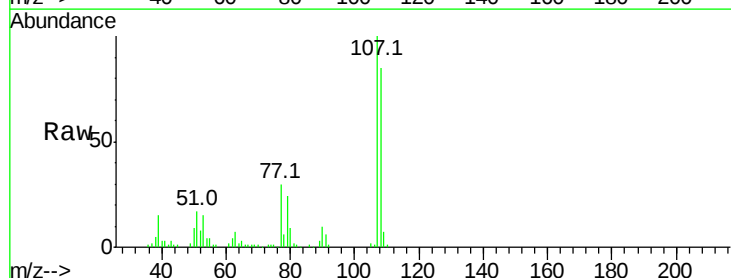
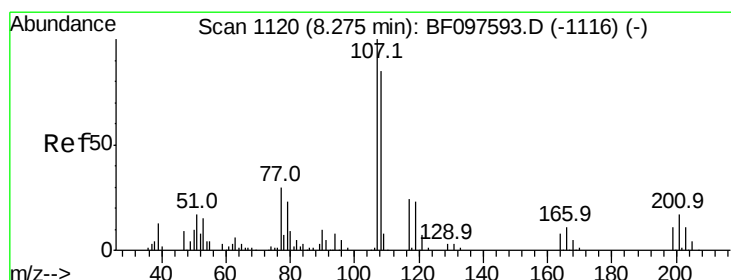
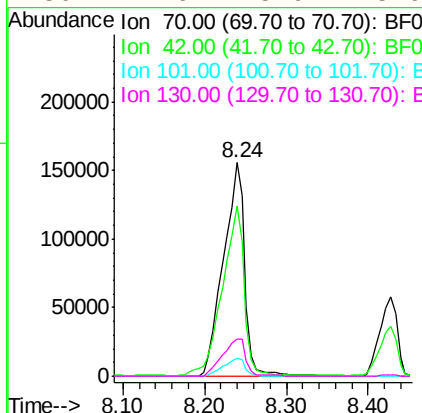
#19
n-Nitroso-di-n-propylamine
Concen: 44.229 ng
RT: 8.24 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	79.7	47.2	70.8#
101	8.7	7.2	10.8
130	17.6	15.9	23.9

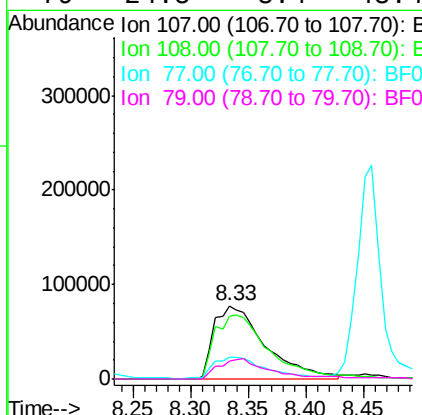
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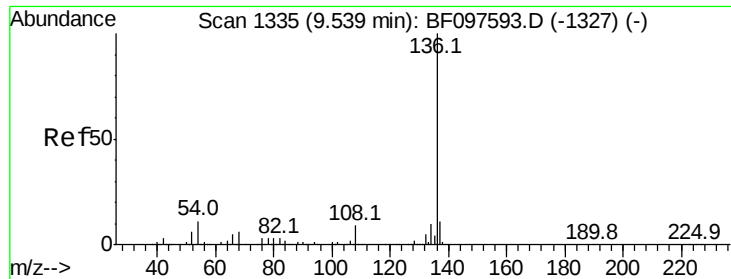
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#20
3+4-Methylphenols
Concen: 29.612 ng
RT: 8.33 min Scan# 1130
Delta R.T. 0.06 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.2	71.0	111.0
77	29.7	90.5	130.5#
79	24.5	8.4	48.4





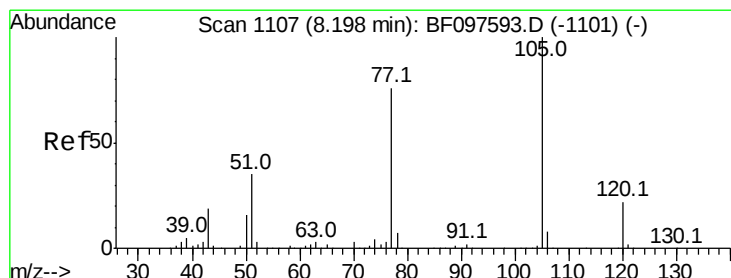
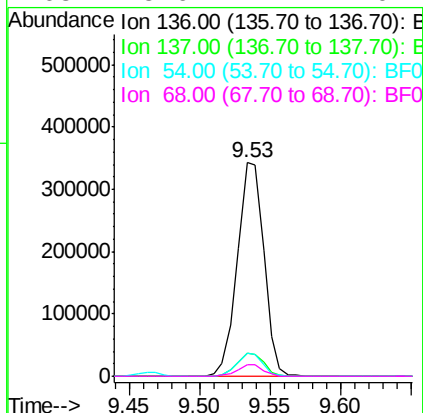
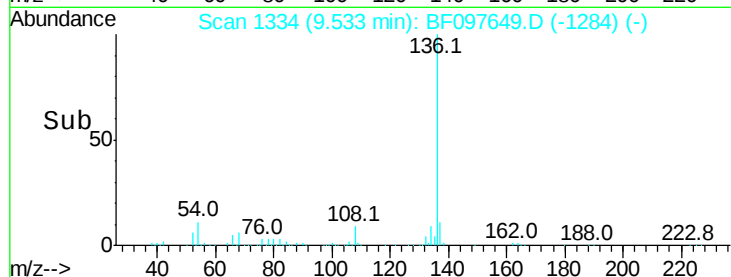
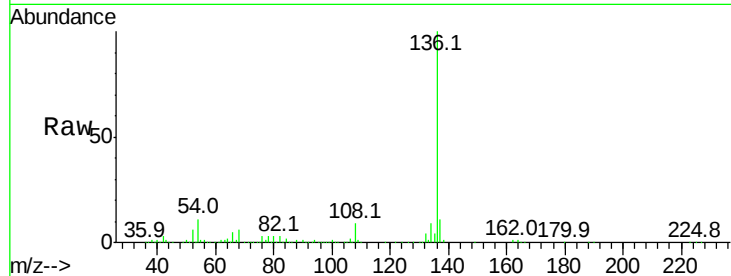
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 9.53 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.5	12.7	
54	10.9	4.9	7.3	
68	5.6	4.1	6.1	

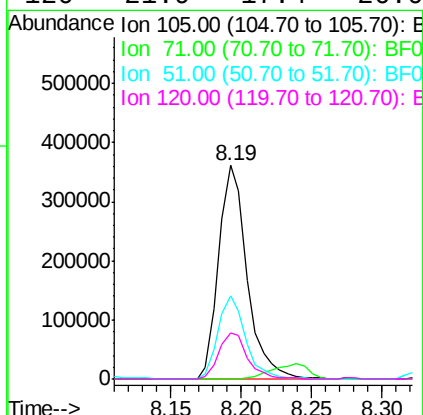
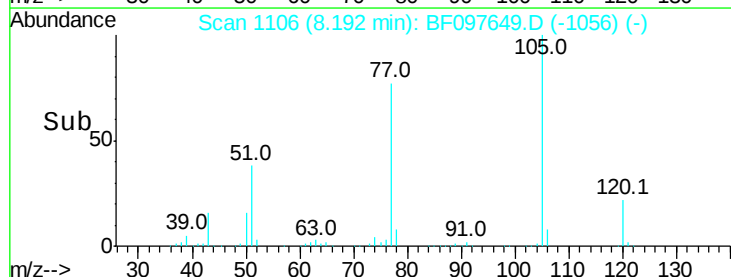
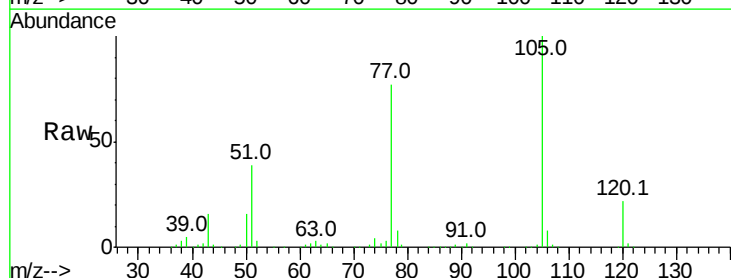
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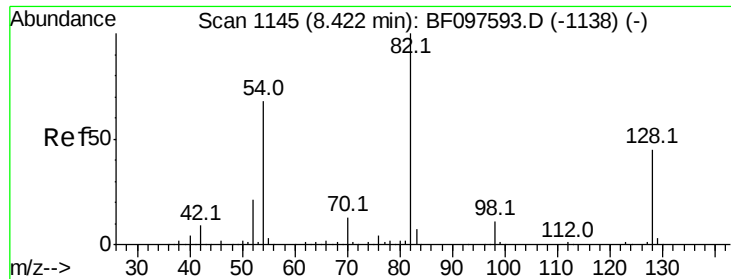
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#22
Acetophenone
Concen: 47.586 ng
RT: 8.19 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.1	2.8	4.2	
51	38.9	30.7	46.1	
120	21.9	17.4	26.0	





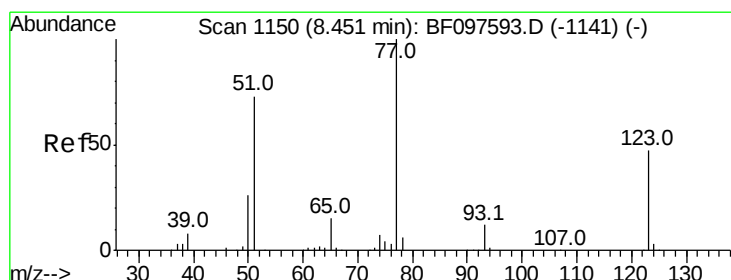
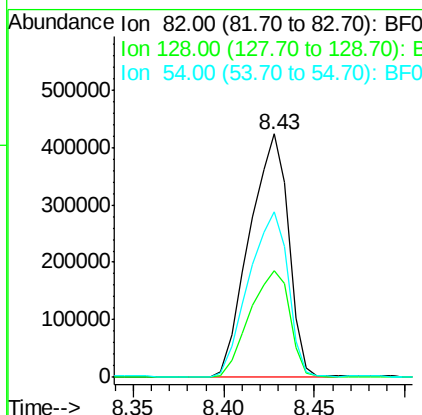
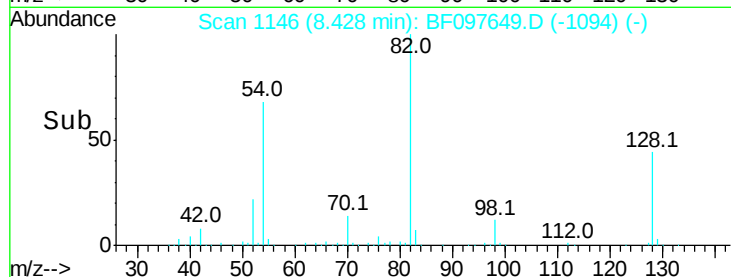
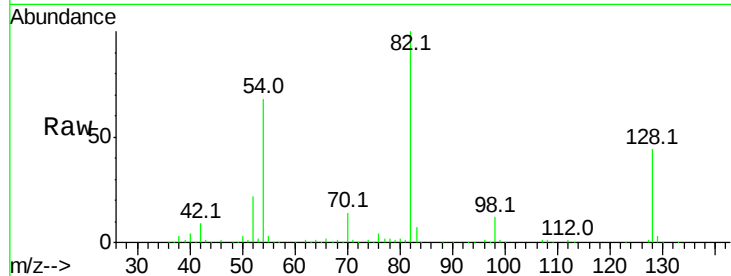
#23
 Nitrobenzene-d5
 Concen: 88.114 ng
 RT: 8.43 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	43.6	34.0	51.0
54	67.8	42.2	63.2

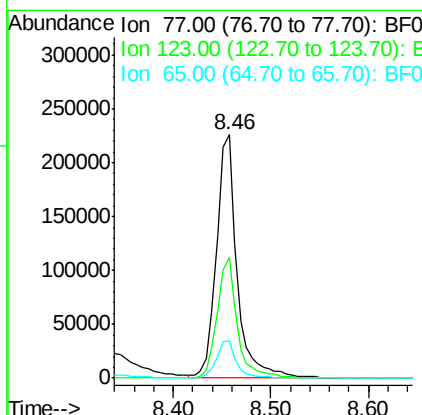
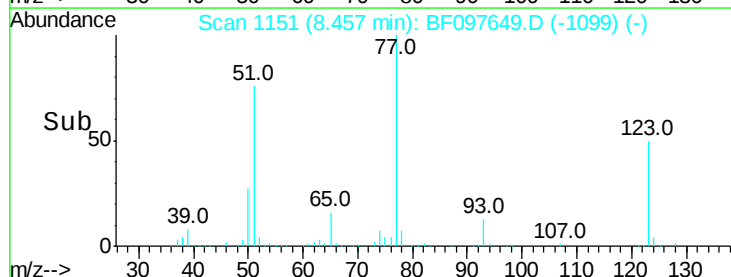
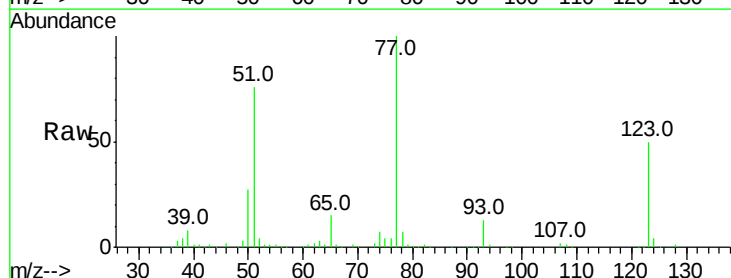
Manual Integrations
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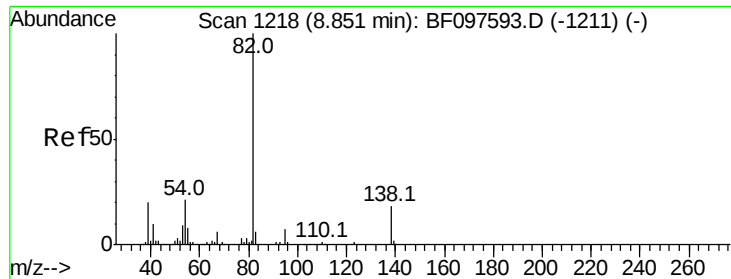
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#24
 Nitrobenzene
 Concen: 41.966 ng
 RT: 8.46 min Scan# 1151
 Delta R.T. 0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Resp Lower	Upper
77	100		
123	49.8	35.8	53.8
65	15.5	10.6	15.8





#25

Isophorone

Concen: 43.067 ng

RT: 8.86 min Scan# 1220

Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

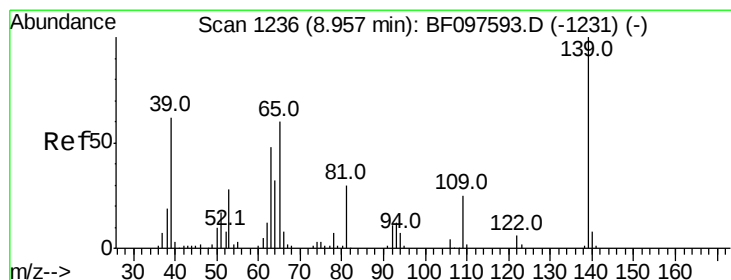
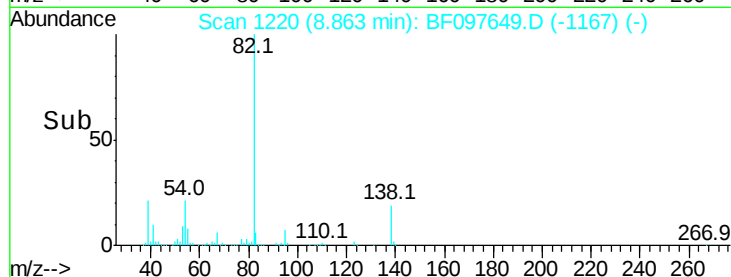
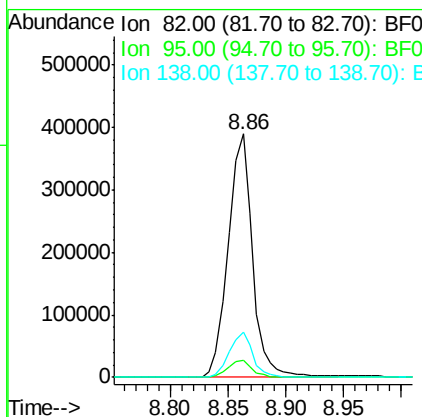
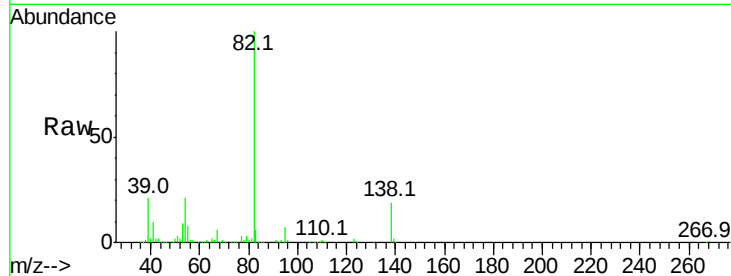
ClientSampled :

VE-4-11MSD

Tot Ion	82	Resp	571782
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.3	7.9
138	18.6	13.1	19.7

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#26

2-Nitrophenol

Concen: 42.925 ng

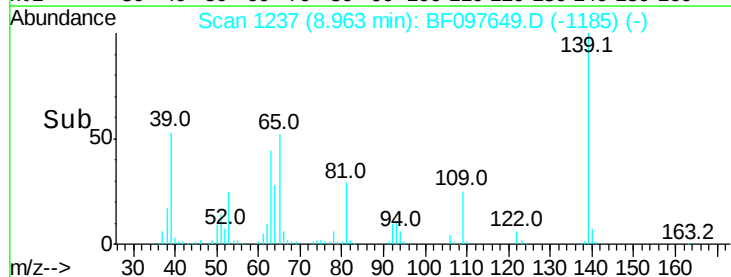
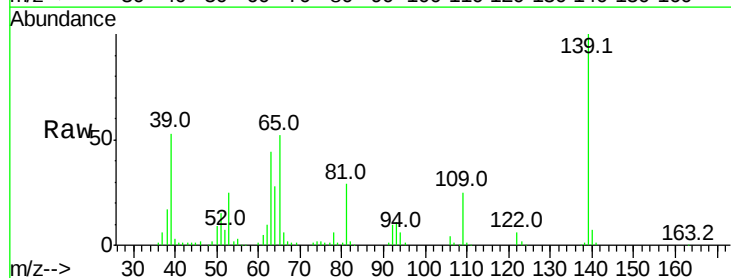
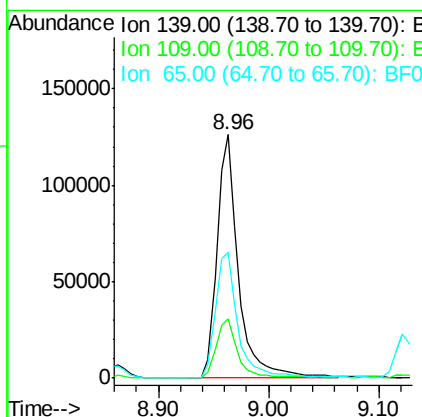
RT: 8.96 min Scan# 1237

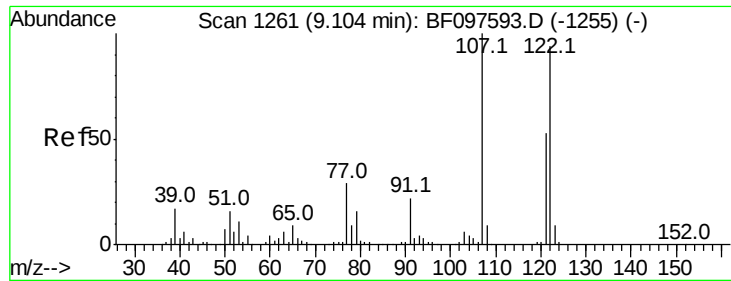
Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion	139	Resp	170527
Ion Ratio	Lower	Upper	
139	100		
109	24.6	21.0	31.6
65	51.7	33.0	49.6#





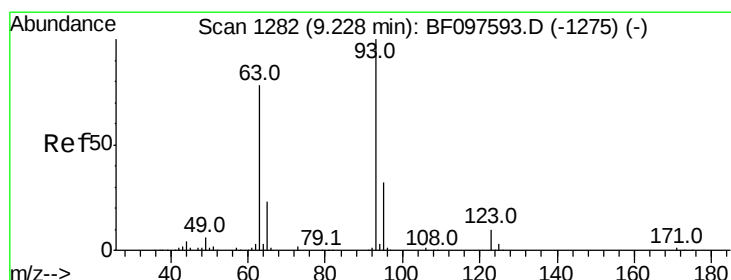
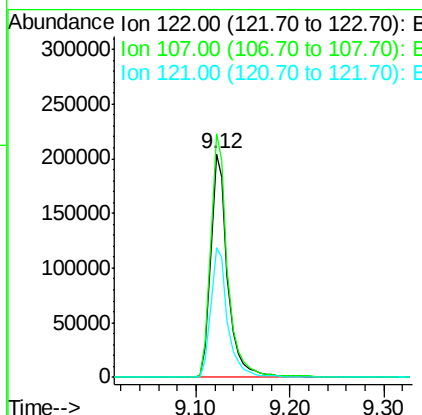
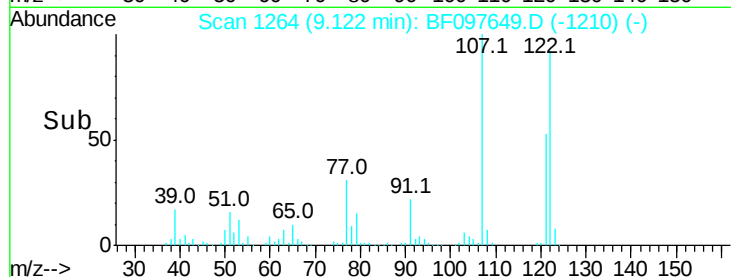
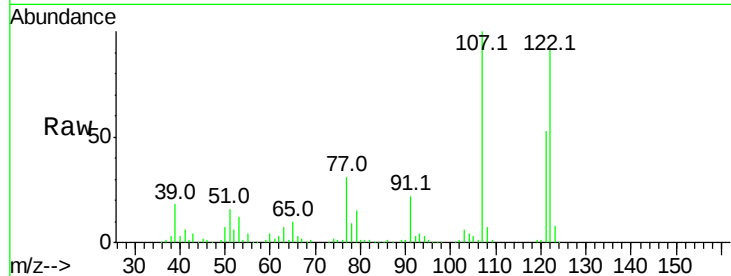
#27
 2,4-Dimethylphenol
 Concen: 39.477 ng
 RT: 9.12 min Scan# 1264
 Delta R.T. 0.02 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion:	122	Resp:	261531
Ion Ratio	Lower	Upper	
122	100		
107	109.0	89.2	133.8
121	58.3	45.2	67.8

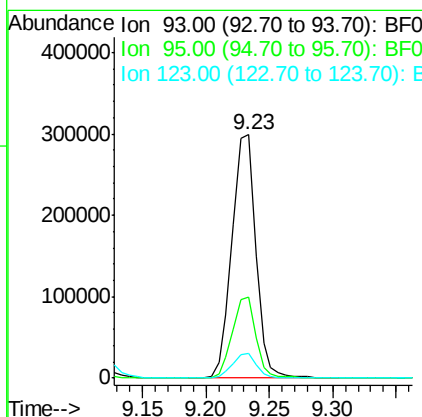
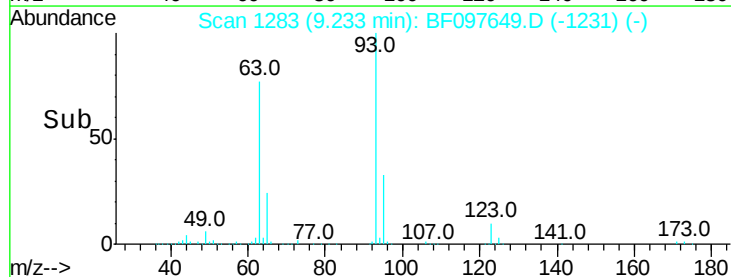
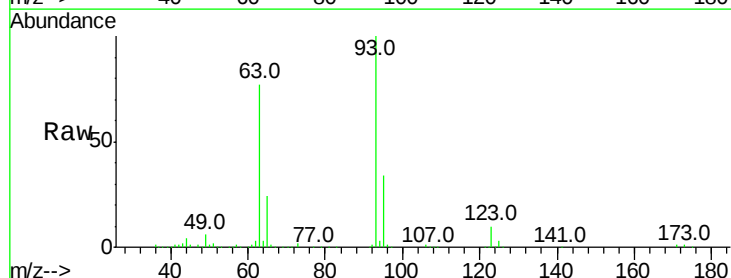
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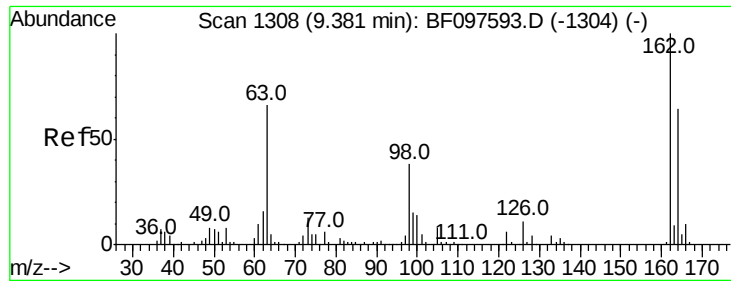
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#28
 bis(2-Chloroethoxy)methane
 Concen: 40.758 ng
 RT: 9.23 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Tgt Ion:	93	Resp:	390987
Ion Ratio	Lower	Upper	
93	100		
95	33.5	26.5	39.7
123	10.4	9.0	13.4





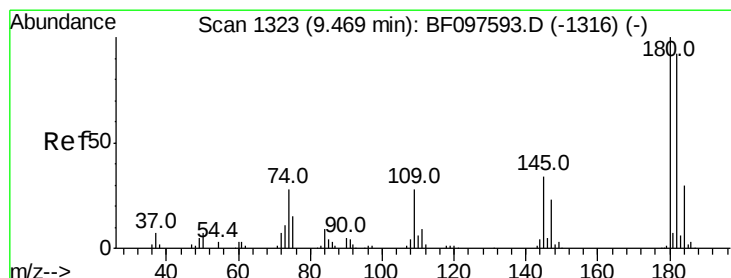
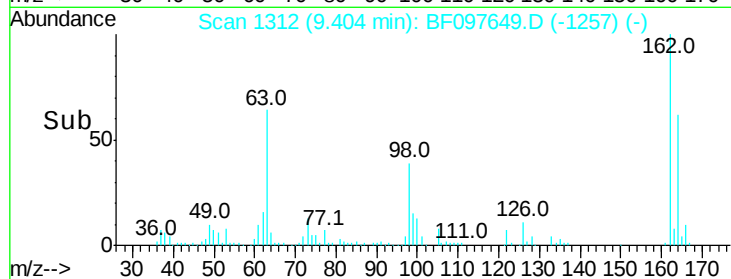
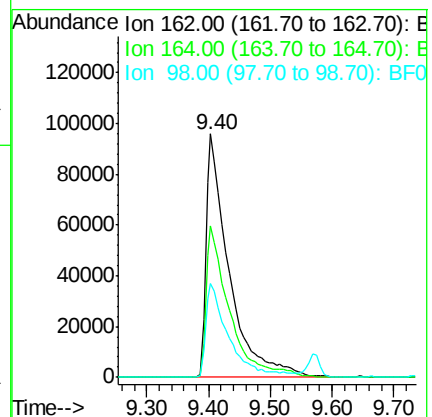
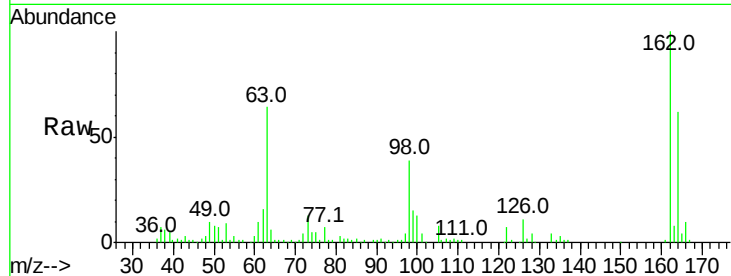
#29
 2,4-Dichlorophenol
 Concen: 42.261 ng
 RT: 9.40 min Scan# 1312
 Delta R.T. 0.02 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	246866		
164	62.1	44.6	84.6	
98	38.8	14.8	54.8	

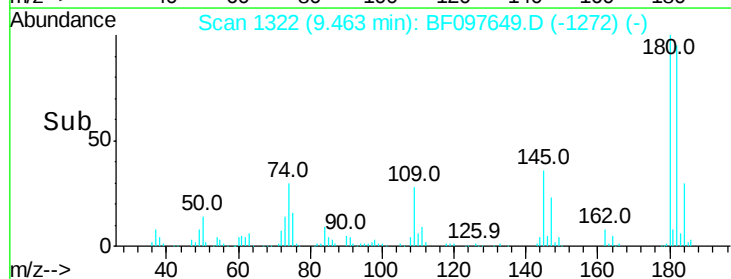
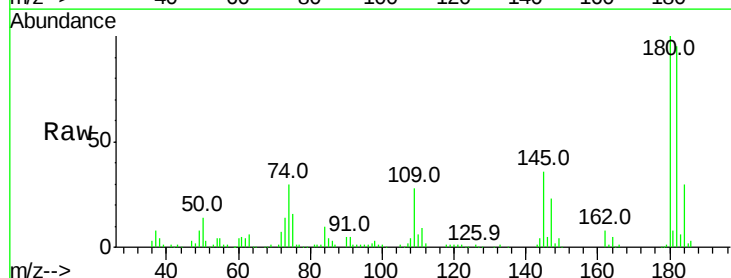
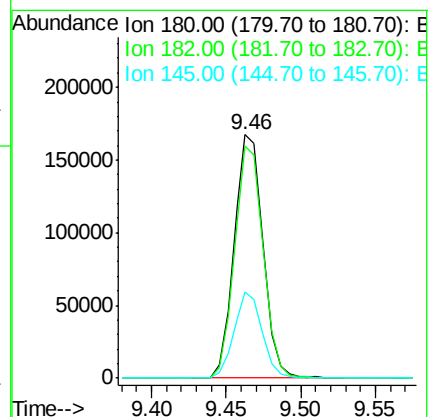
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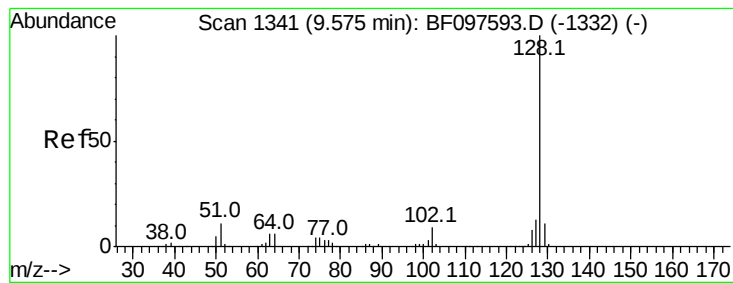
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#30
 1,2,4-Trichlorobenzene
 Concen: 39.070 ng
 RT: 9.46 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	226278		
182	95.3	75.8	113.6	
145	35.6	25.3	37.9	





#31

Naphthalene

Concen: 38.611 ng

RT: 9.57 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

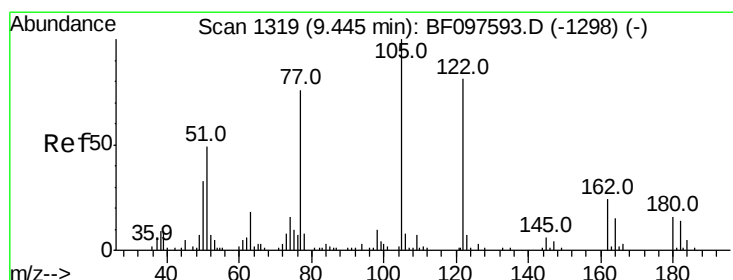
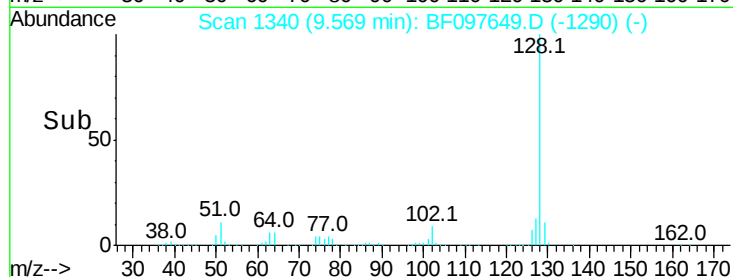
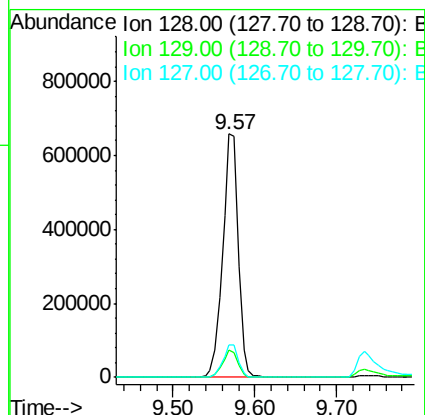
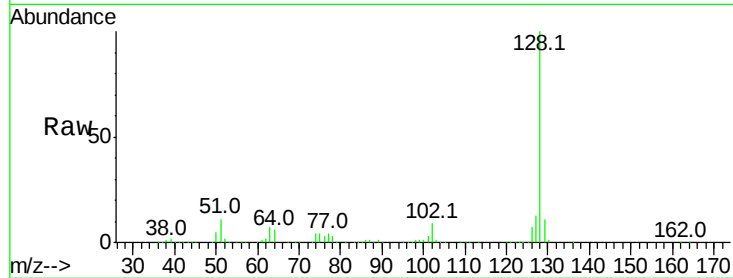
ClientSampleId :

VE-4-11MSD

Tot Ion:	128	Resp:	874016
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.0	13.6
127	13.1	10.8	16.2

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#32

Benzoic acid

Concen: 7.366 ng

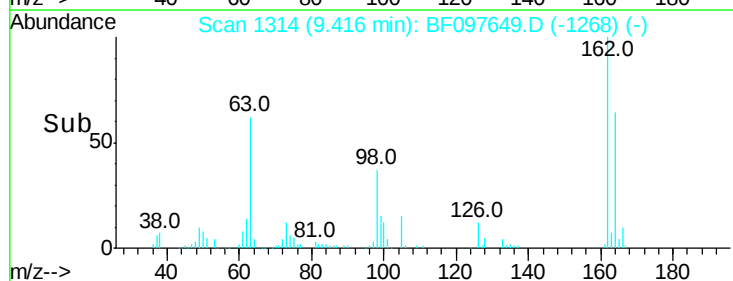
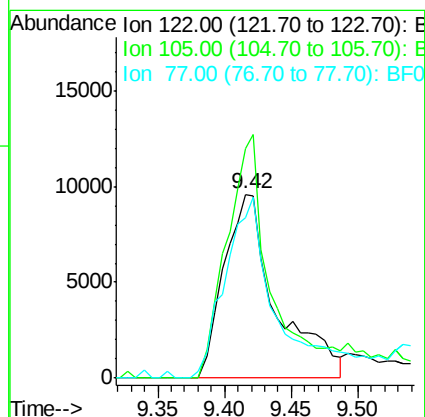
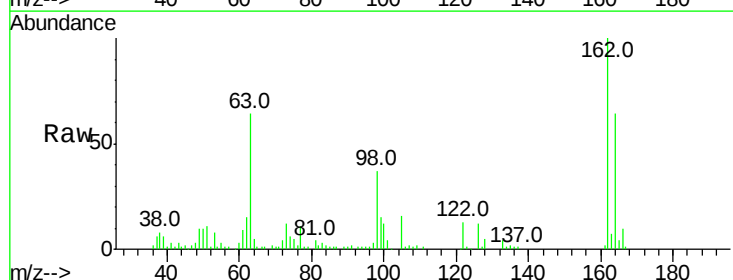
RT: 9.42 min Scan# 1314

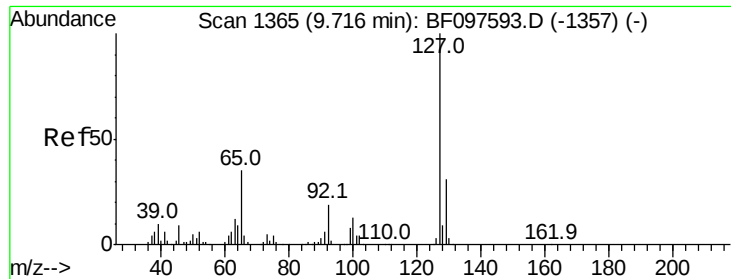
Delta R.T. -0.03 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion:	122	Resp:	26296
Ion Ratio	Lower	Upper	
122	100		
105	125.1	103.3	143.3
77	87.5	73.7	113.7





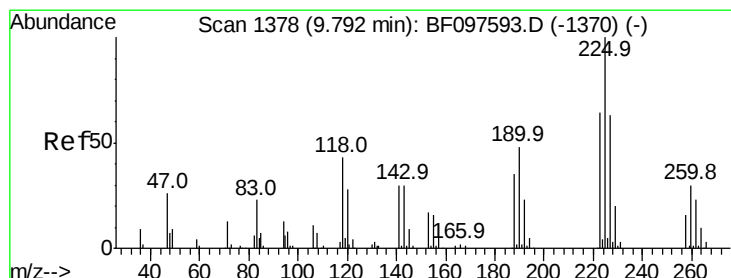
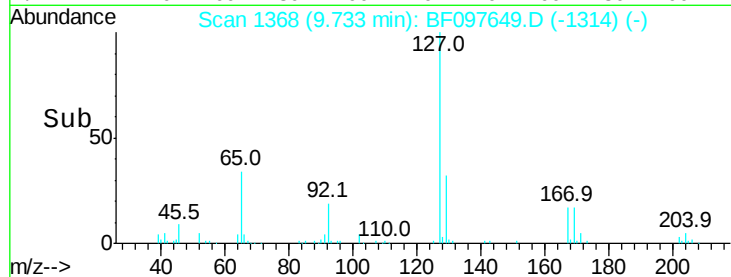
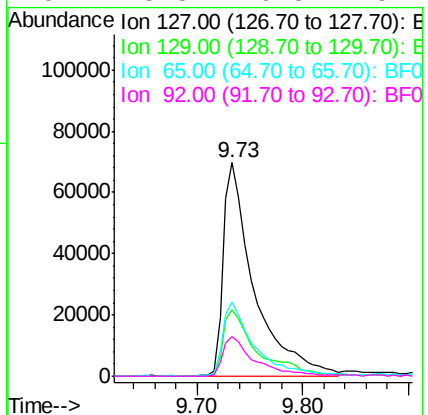
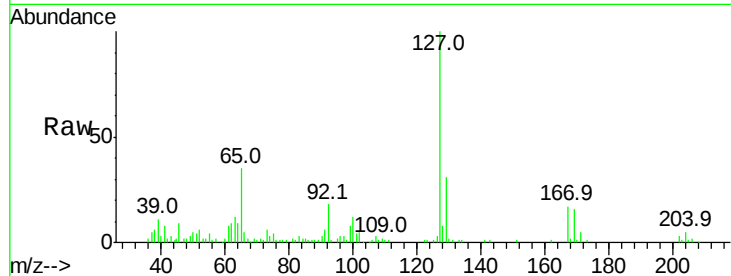
#33
4-Chloroaniline
Concen: 15.135 ng
RT: 9.73 min Scan# 1368
Delta R.T. 0.02 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Resp Lower	Upper
127	100		
129	31.3	26.2	39.2
65	34.6	27.8	41.8
92	18.3	16.8	25.2

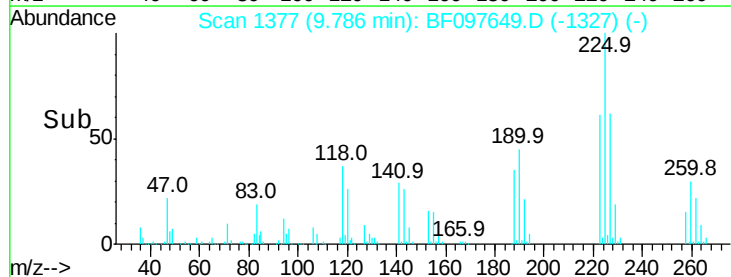
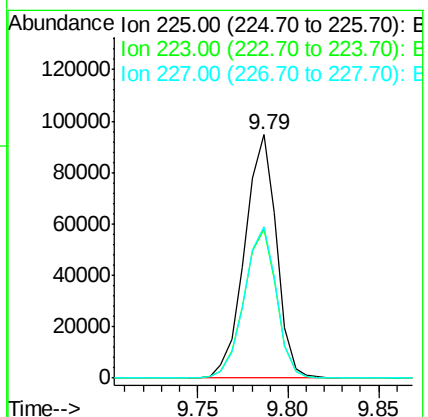
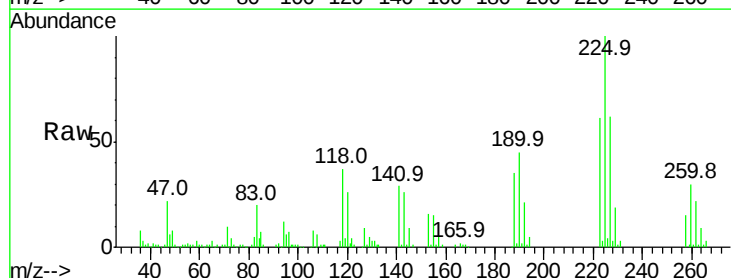
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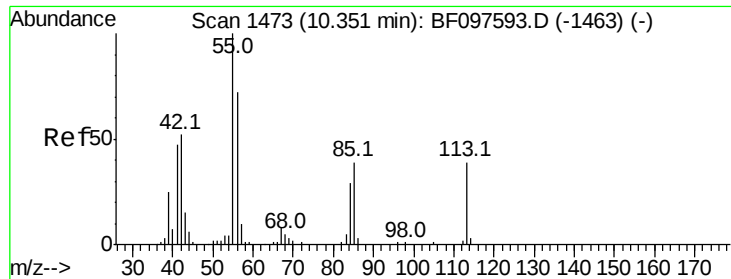
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#34
Hexachlorobutadiene
Concen: 36.321 ng
RT: 9.79 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	61.4	48.8	73.2
227	62.3	51.1	76.7





#35

Caprolactam

Concen: 5.141 ng

RT: 10.42 min Scan# 1485

Delta R.T. 0.07 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

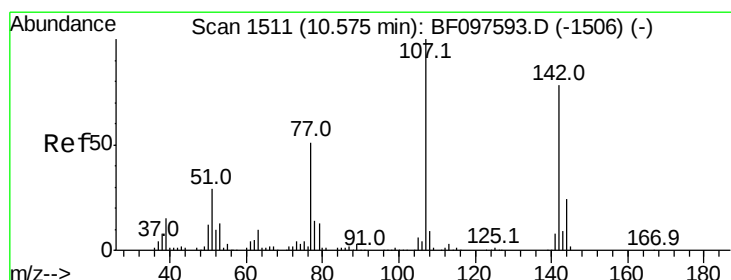
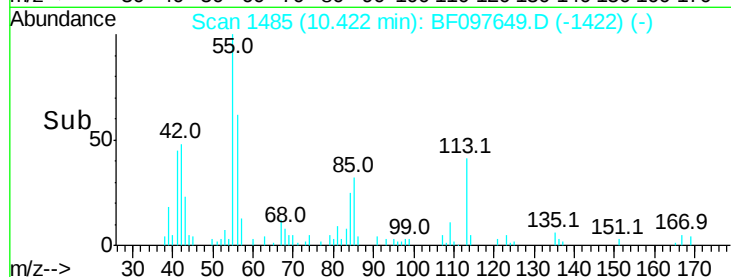
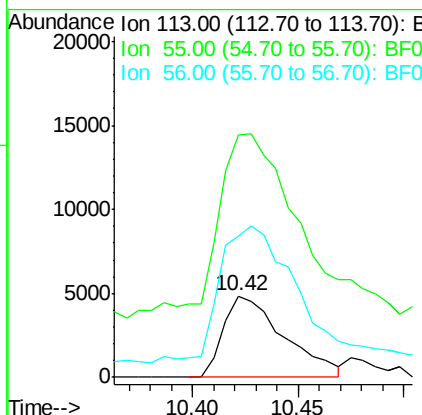
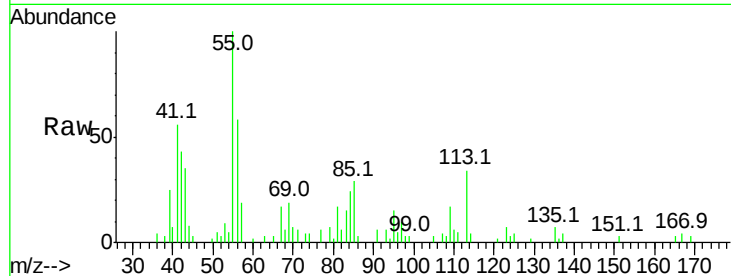
ClientSampleId :

VE-4-11MSD

Tot Ion:	113	Resp:	9677
Ion	Ratio	Lower	Upper
113	100		
55	298.5	150.2	190.2#
56	174.1	107.8	147.8#

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#36

4-Chloro-3-methylphenol

Concen: 35.213 ng

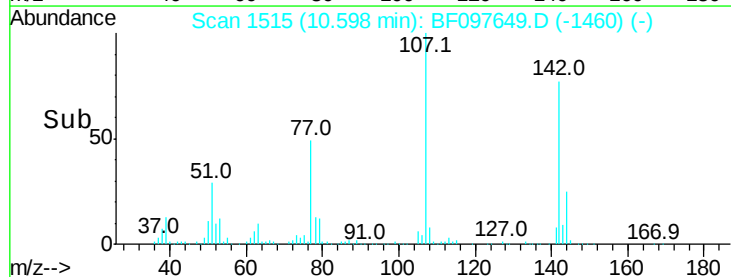
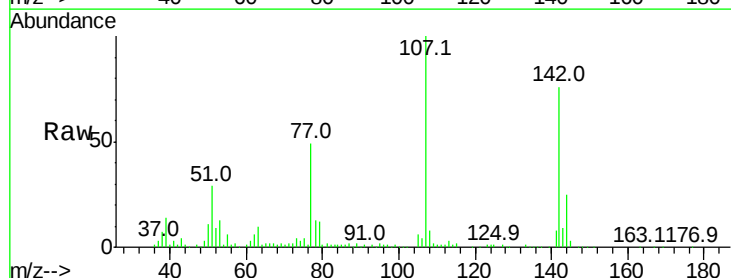
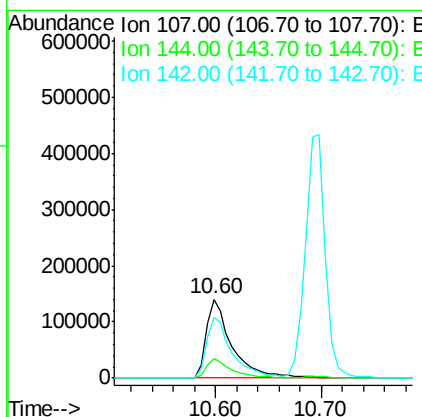
RT: 10.60 min Scan# 1515

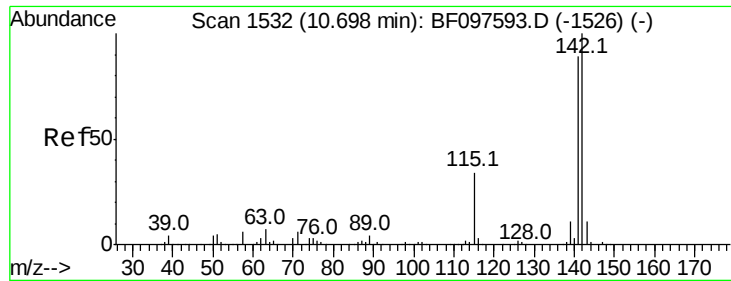
Delta R.T. 0.02 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion:	107	Resp:	231112
Ion	Ratio	Lower	Upper
107	100		
144	24.8	24.2	36.4
142	76.4	73.4	110.0





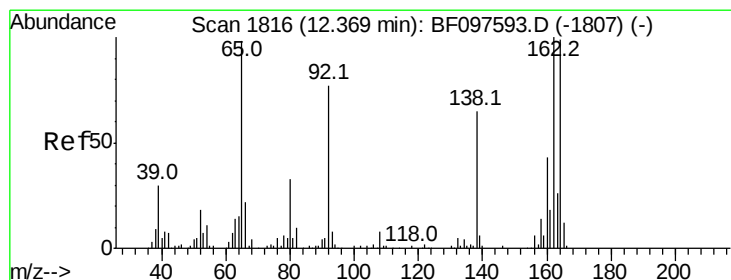
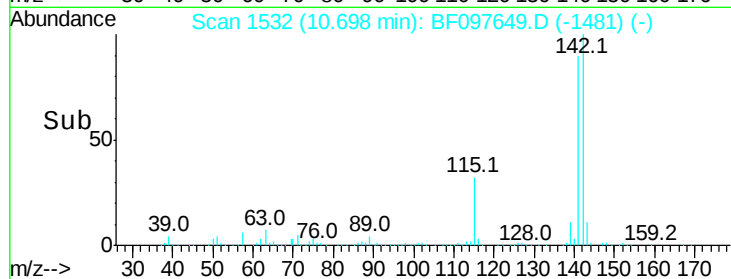
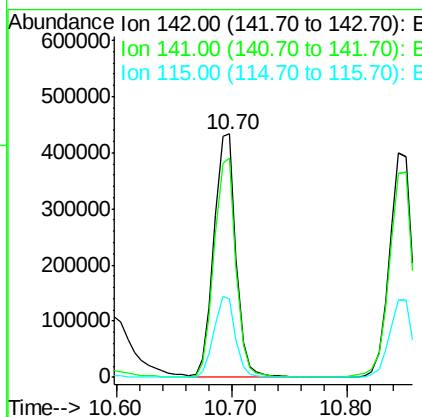
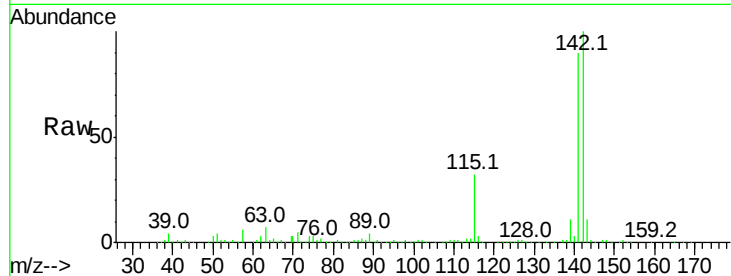
#37
2-Methylnaphthalene
Concen: 40.424 ng
RT: 10.70 min Scan# 1532
Delta R.T. -0.00 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampled :
VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	575757		
141	90.2	71.3	106.9	
115	32.3	27.1	40.7	

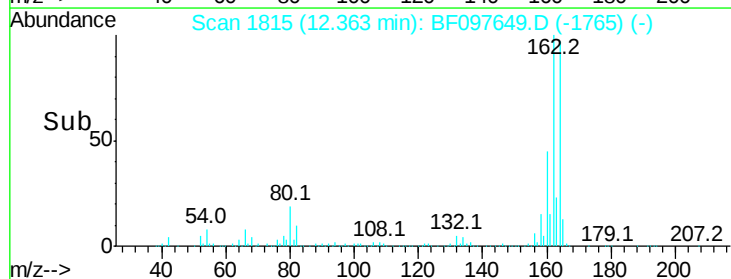
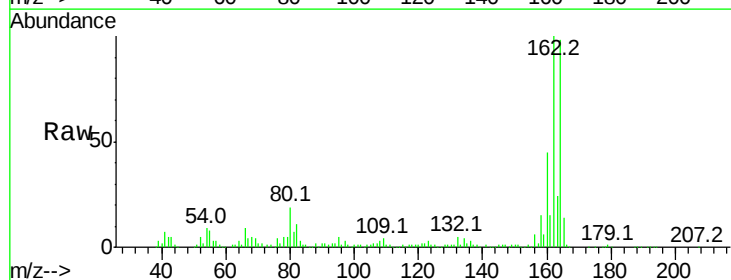
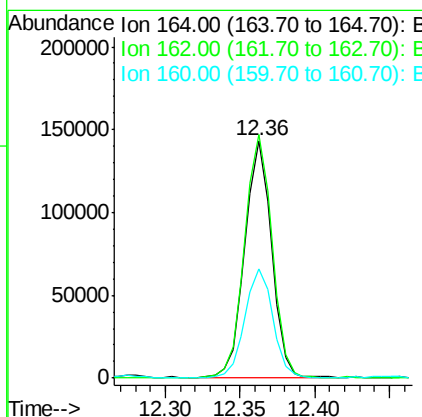
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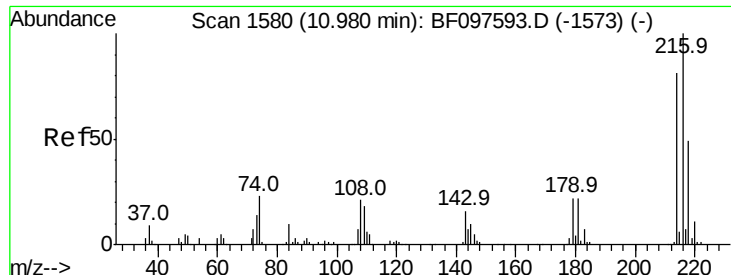
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.36 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	176106		
162	102.5	82.6	123.8	
160	46.1	36.2	54.2	





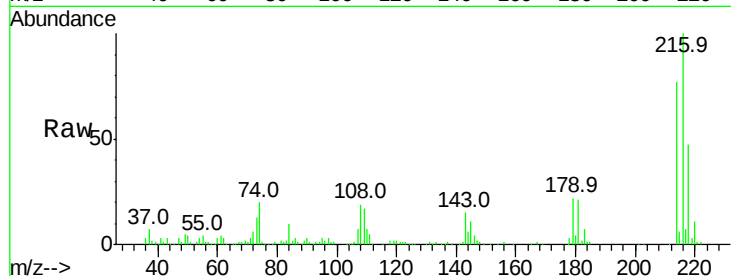
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.939 ng
 RT: 10.97 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	209139		
214	78.7		63.4	95.2
179	23.5		17.9	26.9
108	20.1		16.5	24.7

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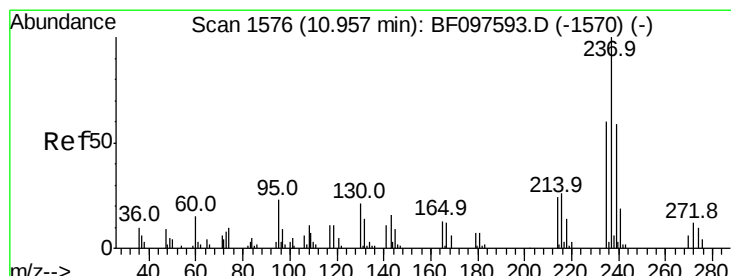
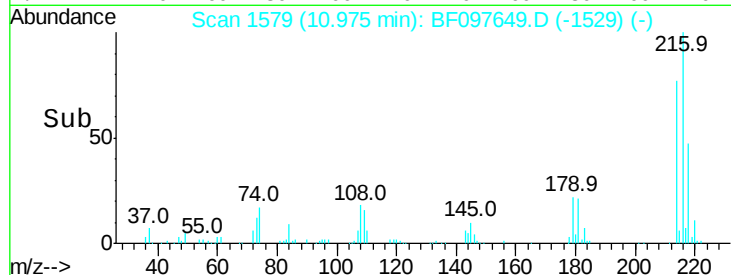
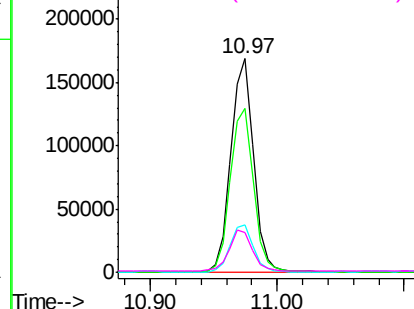
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

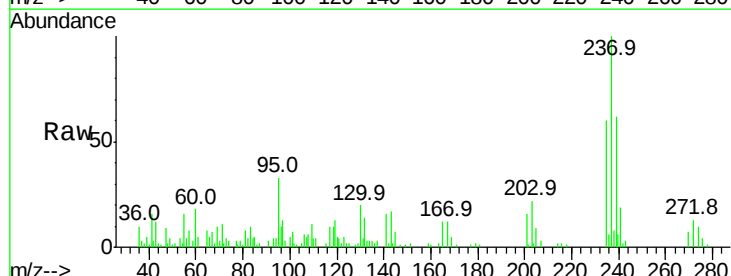
Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40
 Hexachlorocyclopentadiene
 Concen: 45.383 ng
 RT: 10.95 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	33256		
235	59.7		42.6	82.6
272	12.6		0.0	31.9

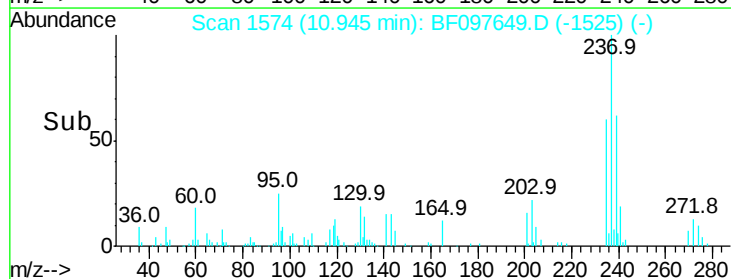
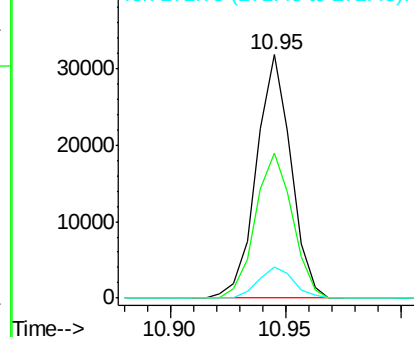


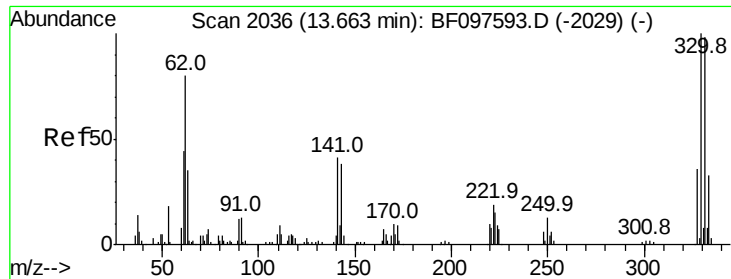
Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





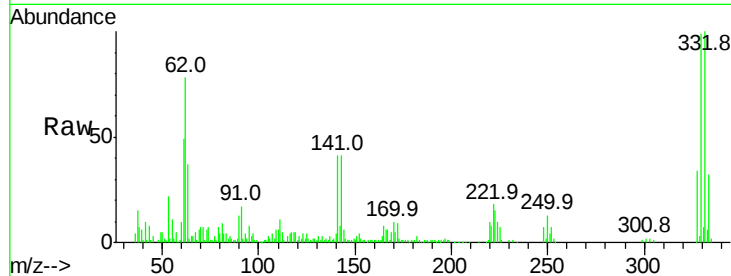
#41
 2,4,6-Tribromophenol
 Concen: 113.093 ng
 RT: 13.67 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Instrument :
 BNA_F
 ClientSampled :
 VE-4-11MSD

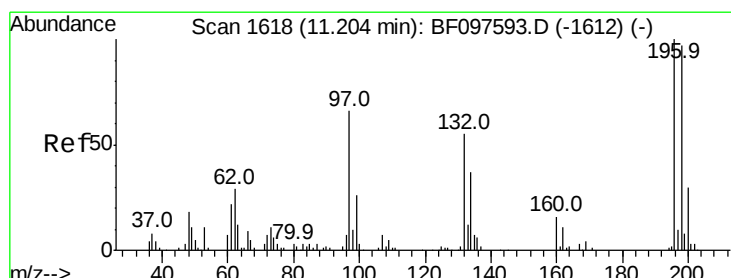
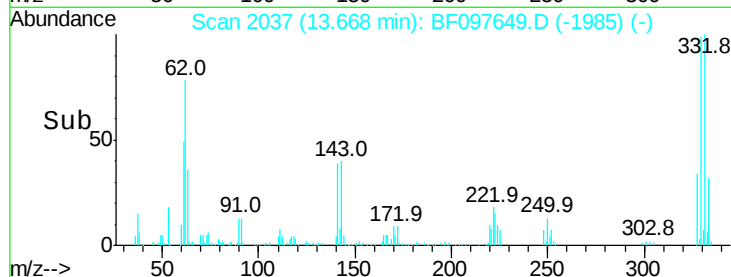
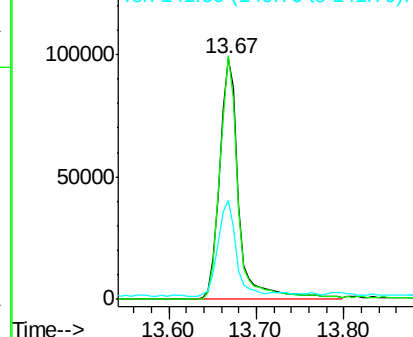
Tot Ion	Ratio	Resp	Lower	Upper
330	100	151401		
332	96.8	76.6	115.0	
141	37.8	31.4	47.2	

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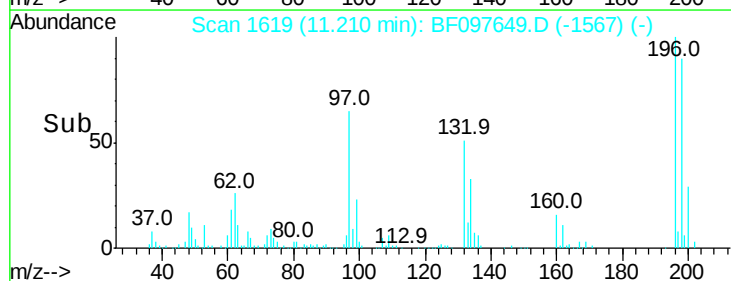
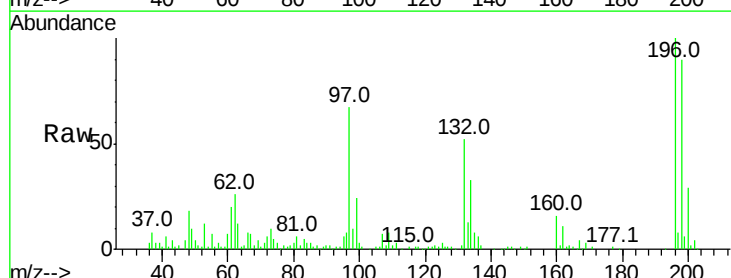
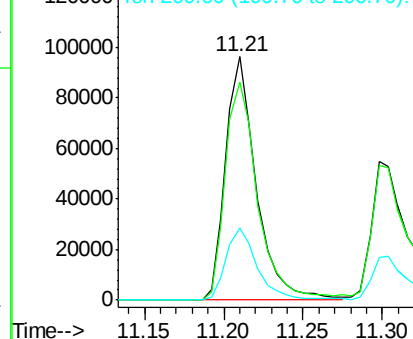
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

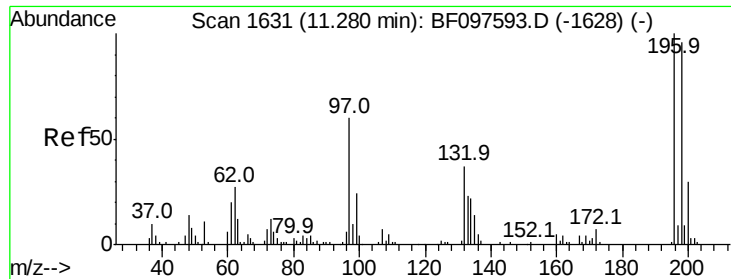


#42
 2,4,6-Trichlorophenol
 Concen: 39.429 ng
 RT: 11.21 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	129543		
198	89.8	74.2	111.4	
200	29.4	24.0	36.0	

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





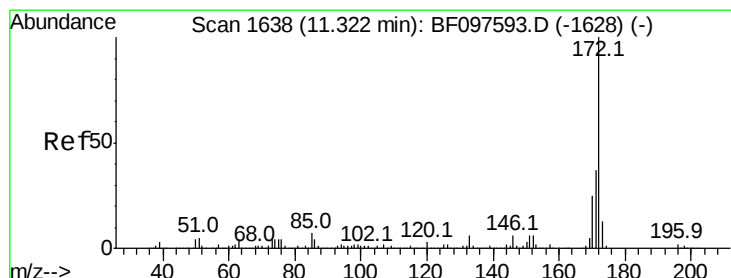
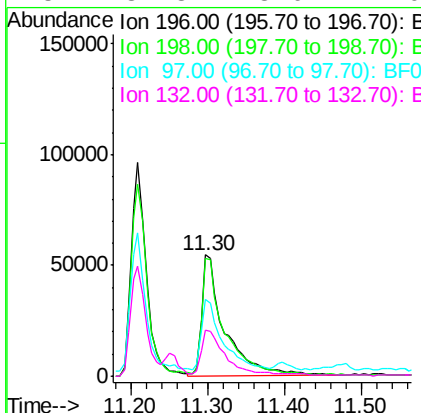
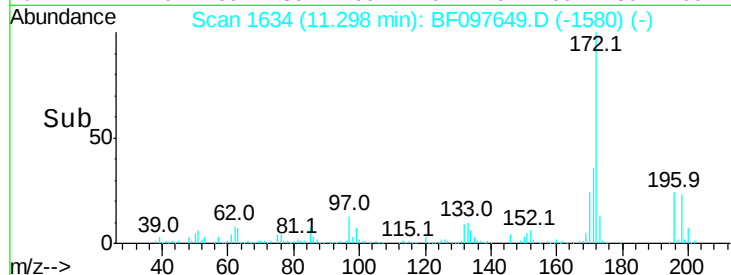
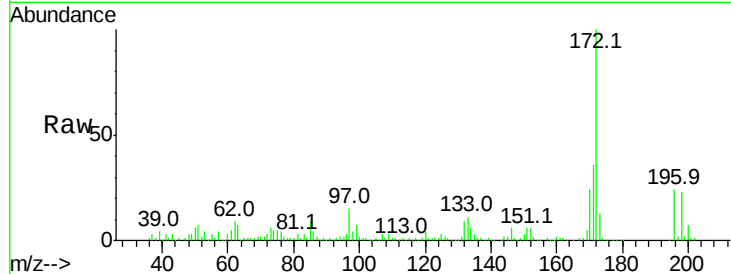
#43
 2,4,5-Trichlorophenol
 Concen: 35.897 ng
 RT: 11.30 min Scan# 1634
 Delta R.T. 0.02 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Instrument :
 BNA_F
 ClientSampled :
 VE-4-11MSD

Tot Ion:	196	Resp:	111393
Ion Ratio	Lower	Upper	
196	100		
198	97.2	75.7	113.5
97	63.2	47.7	71.5
132	37.8	28.0	42.0

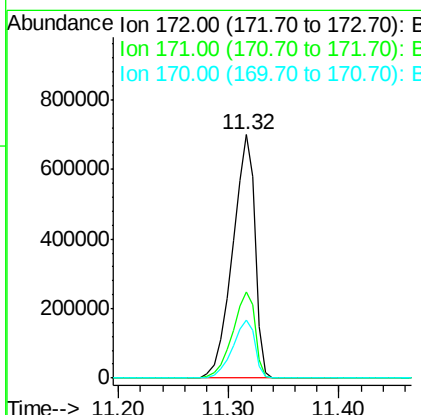
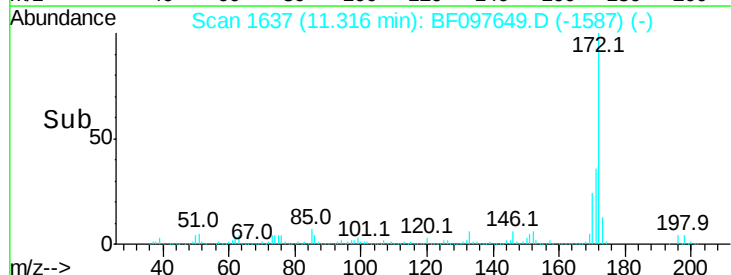
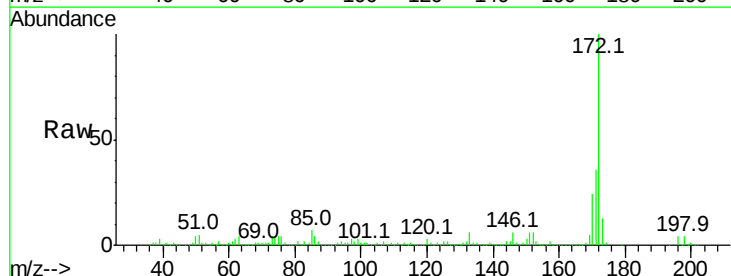
Manual Integrations
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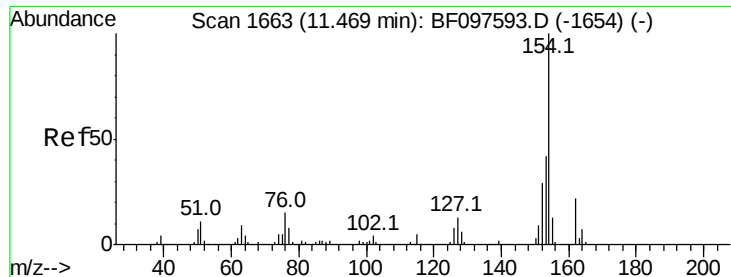
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#44
 2-Fluorobiphenyl
 Concen: 84.680 ng
 RT: 11.32 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Tgt Ion:	172	Resp:	988123
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.6	44.4
170	23.8	19.8	29.8





#45

1,1'-Biphenyl

Concen: 40.470 ng

RT: 11.46 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

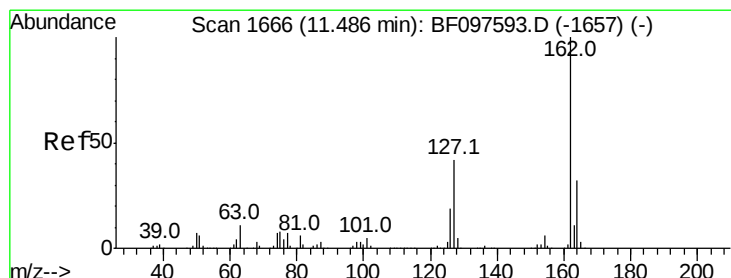
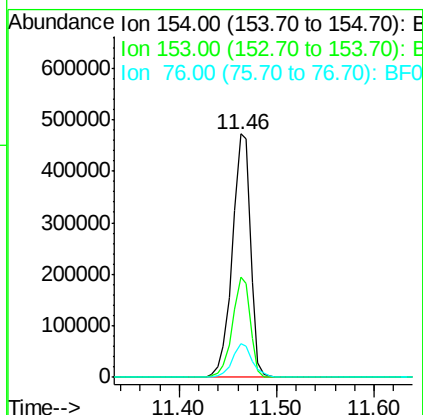
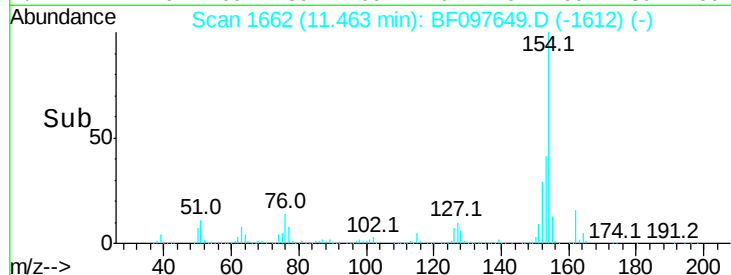
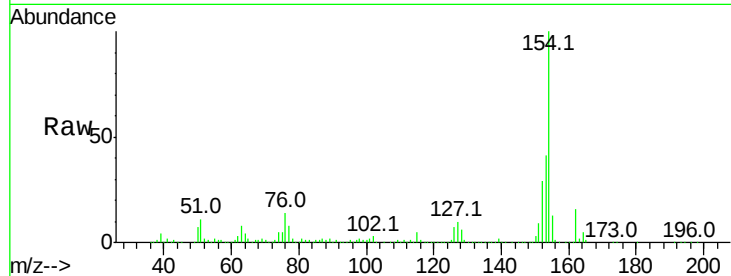
ClientSampleId :

VE-4-11MSD

Tot Ion:	154	Resp:	611457
Ion Ratio	Lower	Upper	
154	100		
153	41.1	21.2	61.2
76	14.0	0.0	29.9

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#46

2-Chloronaphthalene

Concen: 39.579 ng

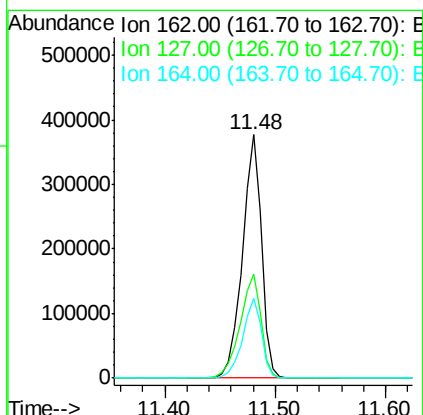
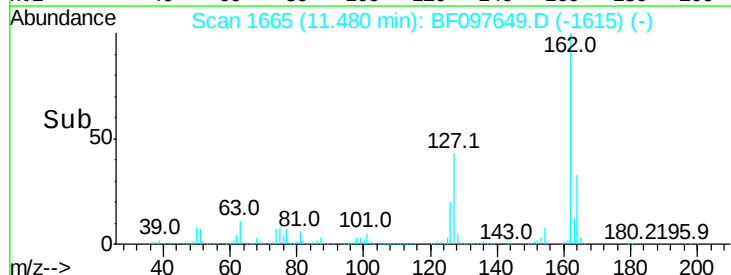
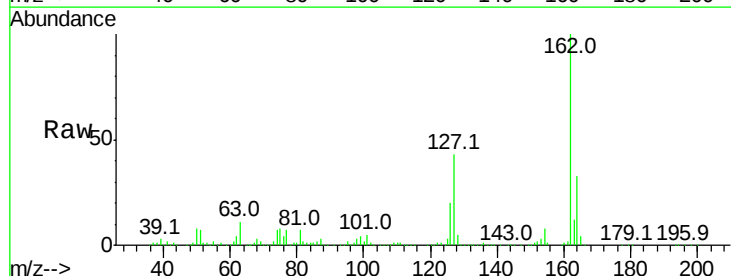
RT: 11.48 min Scan# 1665

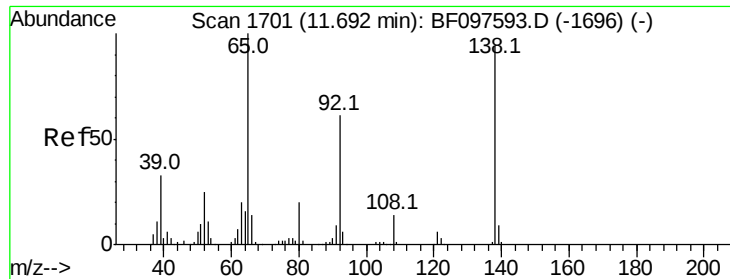
Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion:	162	Resp:	459147
Ion Ratio	Lower	Upper	
162	100		
127	42.8	28.3	42.5#
164	32.8	27.0	40.4





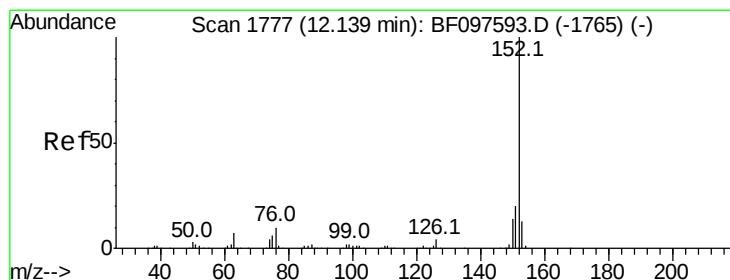
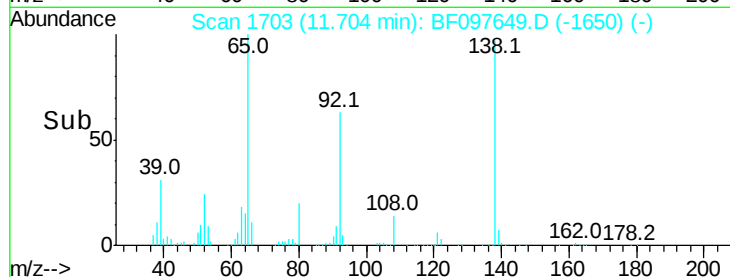
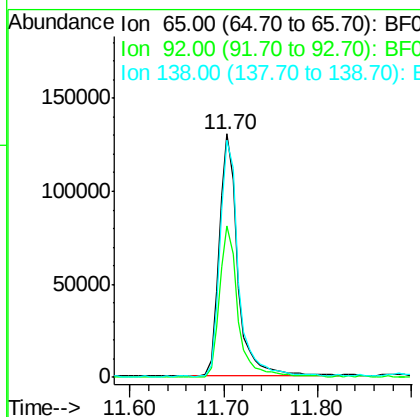
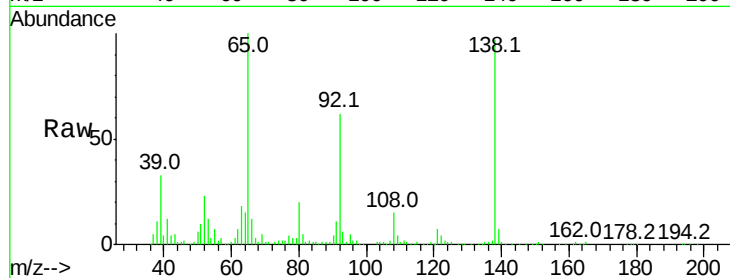
#47
2-Nitroaniline
Concen: 38.958 ng
RT: 11.70 min Scan# 1703
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	62.4	53.9	80.9
138	97.4	78.8	118.2

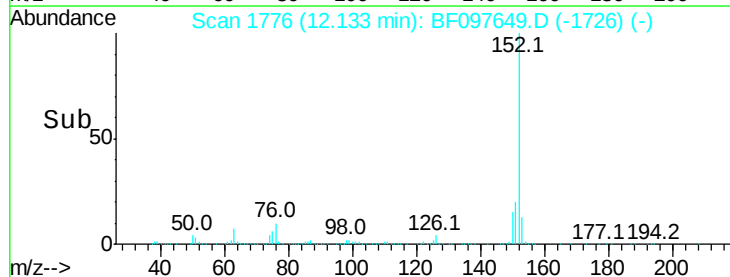
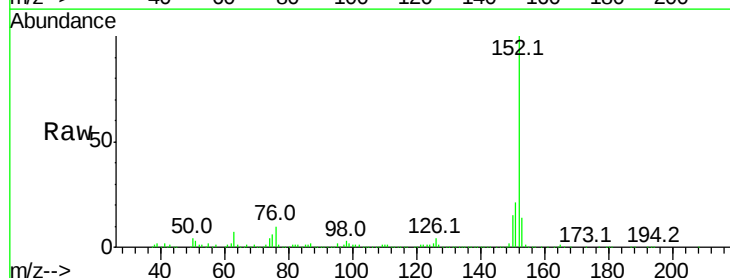
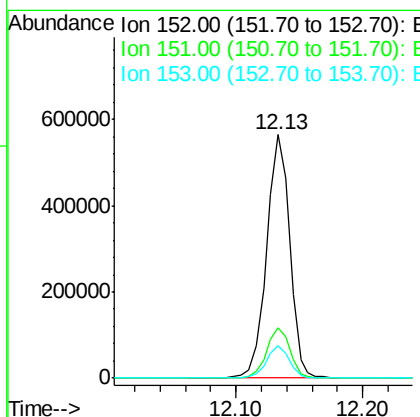
Manual Integrations
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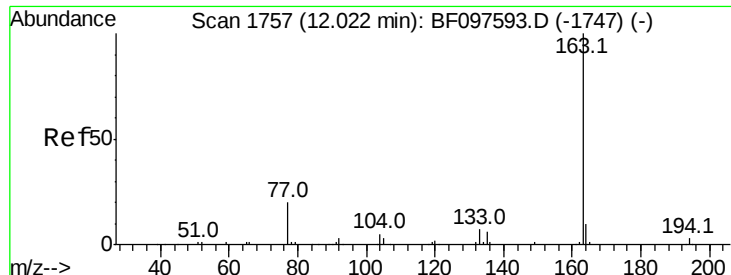
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#48
Acenaphthylene
Concen: 38.796 ng
RT: 12.13 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.8	25.2
153	13.6	10.8	16.2





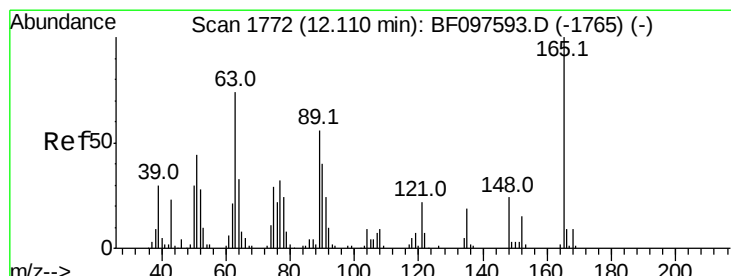
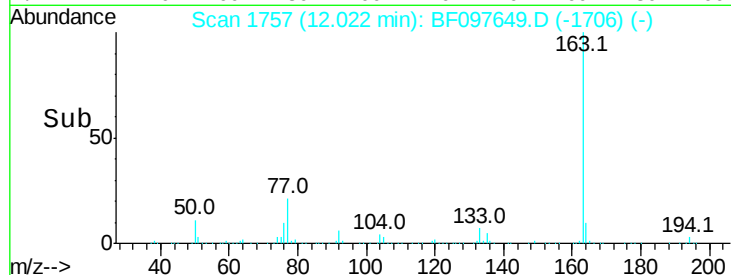
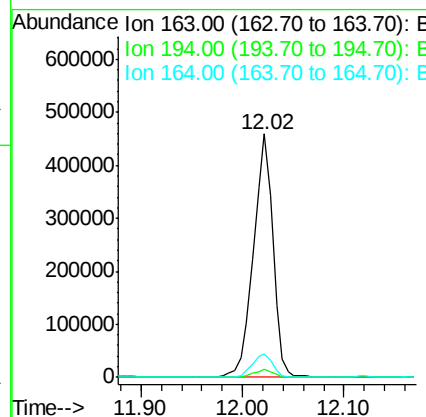
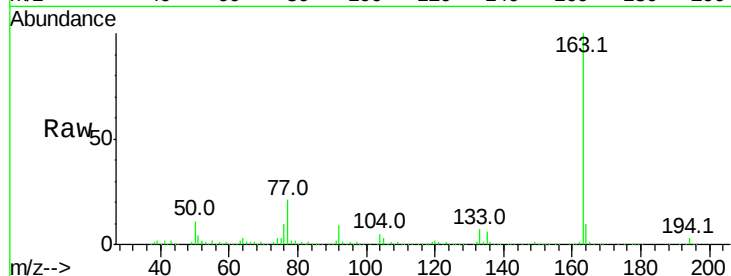
#49
Dimethylphthalate
Concen: 44.968 ng
RT: 12.02 min Scan# 1757
Delta R.T. 0.00 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	610304		
194	3.2		2.6	4.0
164	9.7		8.4	12.6

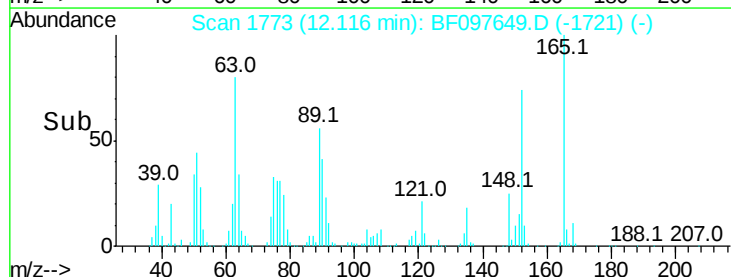
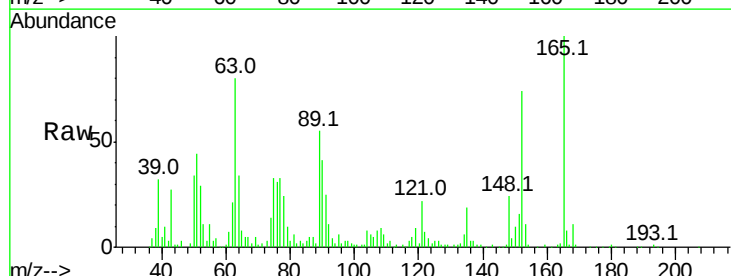
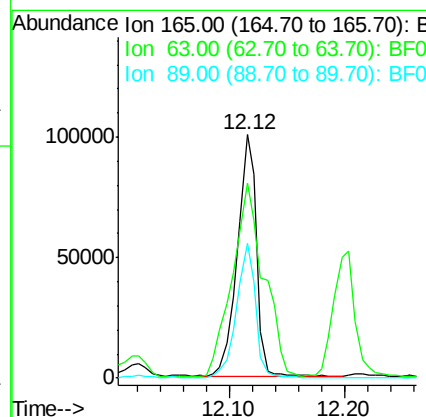
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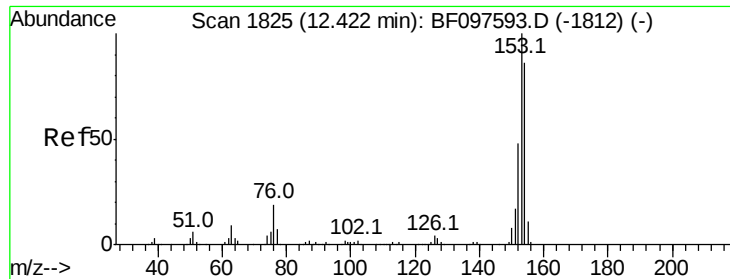
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#50
2,6-Dinitrotoluene
Concen: 41.144 ng
RT: 12.12 min Scan# 1773
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	115314		
63	80.0		34.3	51.5#
89	55.5		37.1	55.7





#51

Acenaphthene

Concen: 38.770 ng

RT: 12.42 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

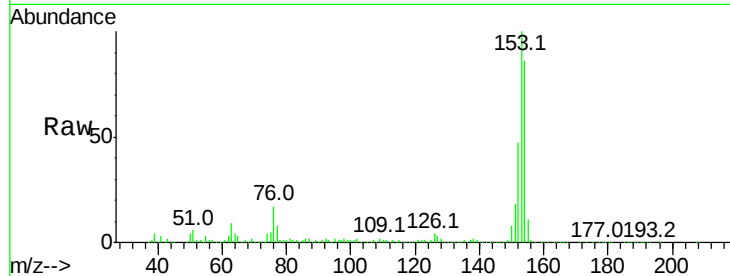
ClientSampled :

VE-4-11MSD

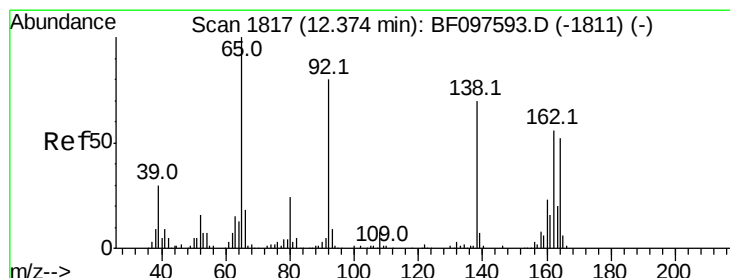
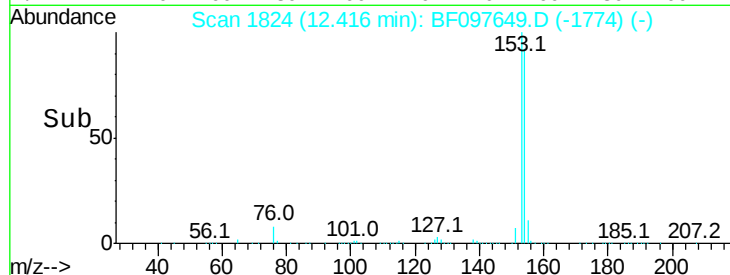
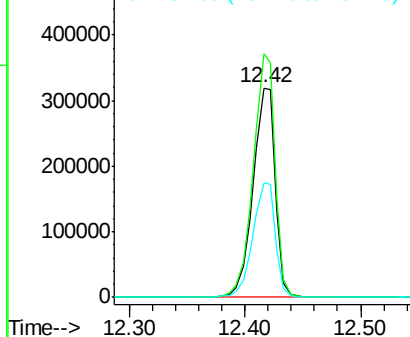
Tot Ion:	154	Resp:	428500
Ion	Ratio	Lower	Upper
154	100		
153	116.5	90.5	135.7
152	54.6	43.6	65.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 18.559 ng

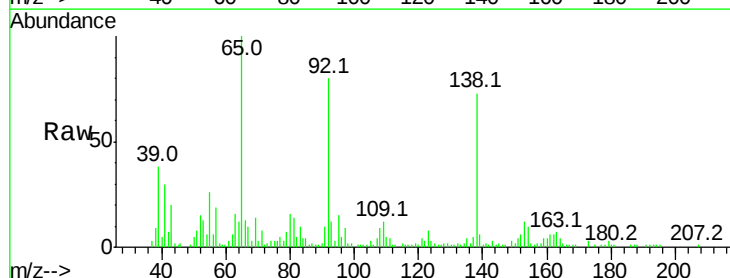
RT: 12.39 min Scan# 1819

Delta R.T. 0.01 min

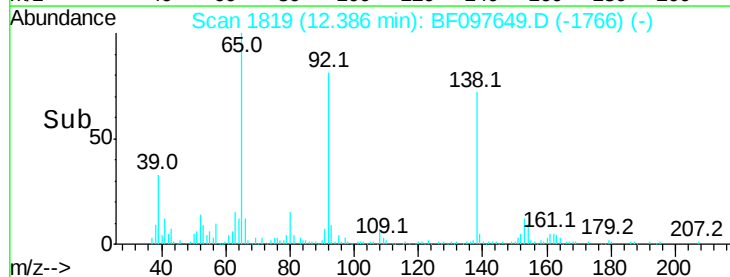
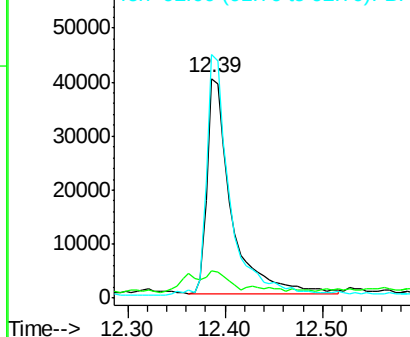
Lab File: BF097649.D

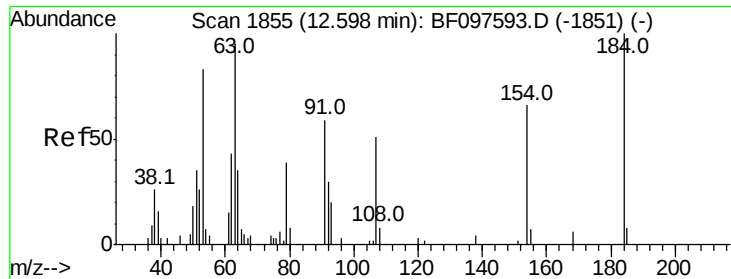
Acq: 12 Aug 2017 23:07

Tgt Ion:	138	Resp:	68104
Ion	Ratio	Lower	Upper
138	100		
108	12.2	9.1	13.7
92	110.7	93.8	140.6



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





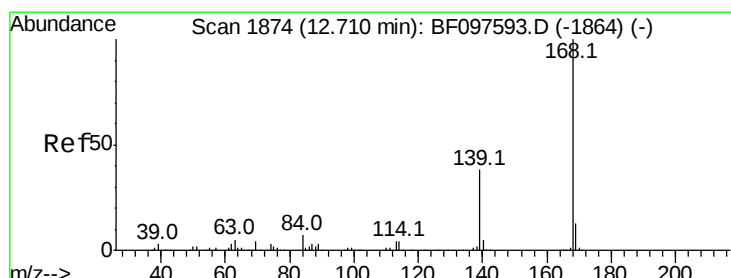
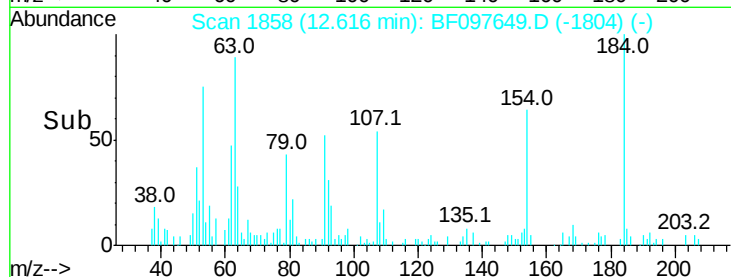
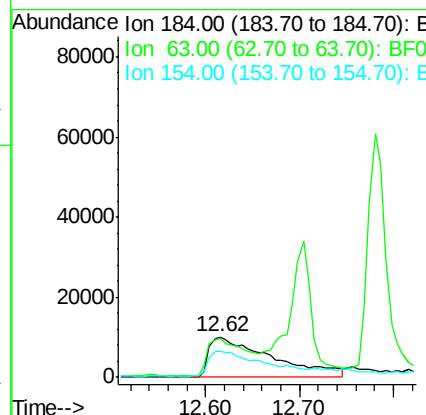
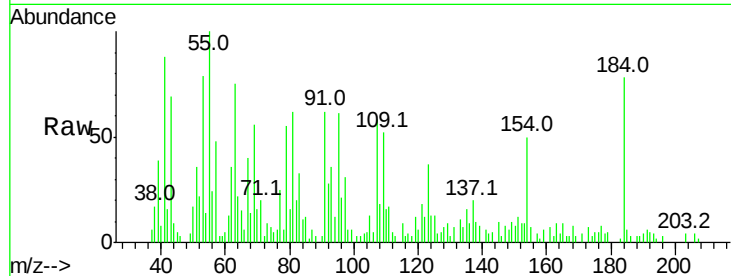
#53
2,4-Dinitrophenol
Concen: 40.300 ng
RT: 12.62 min Scan# 1858
Delta R.T. 0.02 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampled :
VE-4-11MSD

Tot Ion:184 Resp: 46562
Ion Ratio Lower Upper
184 100
63 95.3 62.7 94.1#
154 64.0 81.1 121.7#

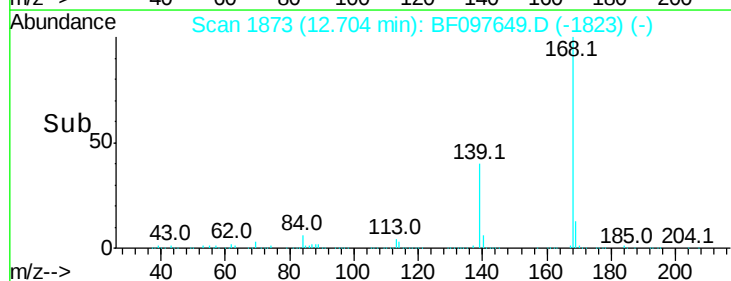
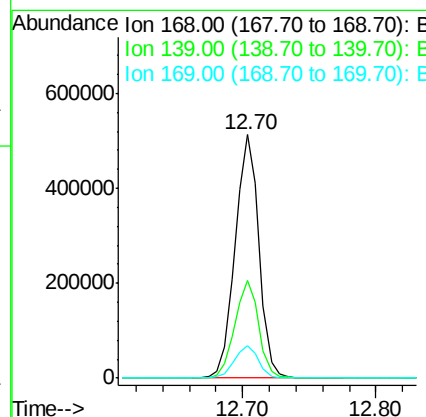
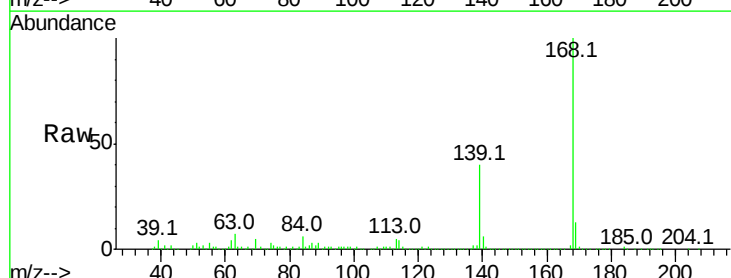
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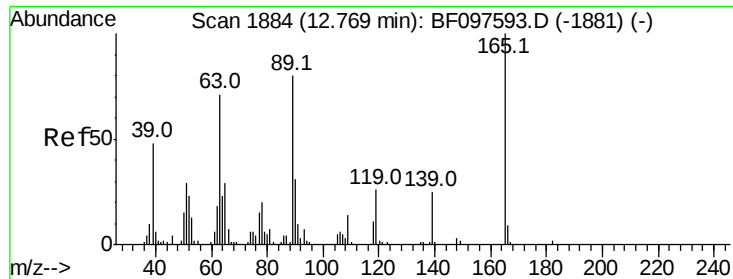
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#54
Dibenzofuran
Concen: 41.237 ng
RT: 12.70 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion:168 Resp: 638044
Ion Ratio Lower Upper
168 100
139 40.3 30.6 45.8
169 13.2 10.8 16.2





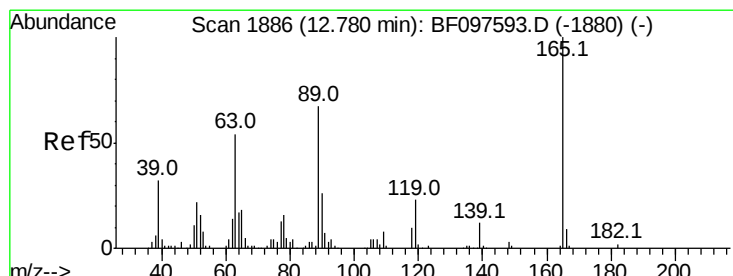
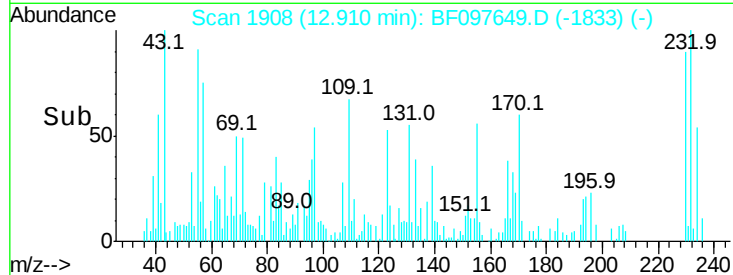
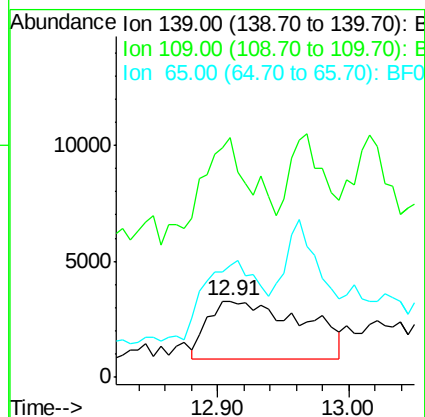
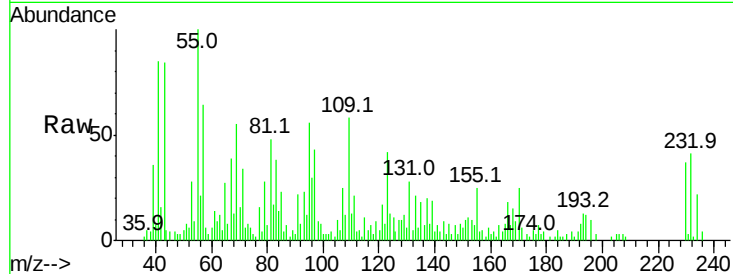
#55
4-Nitrophenol
Concen: 9.092 ng/ml
RT: 12.91 min Scan# 1908
Delta R.T. 0.14 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampled :
VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	313.1	34.1	74.1#	
65	145.8	31.4	71.4#	

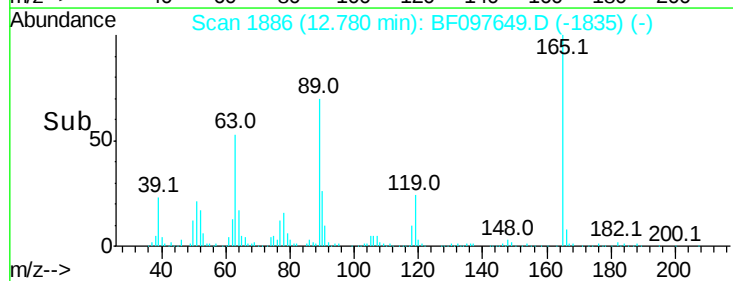
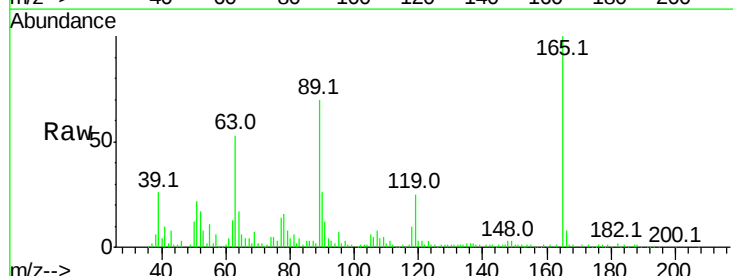
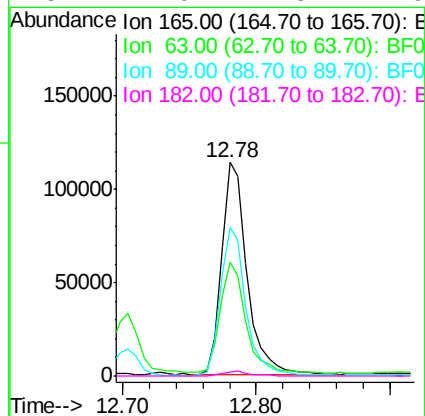
Manual Integrations
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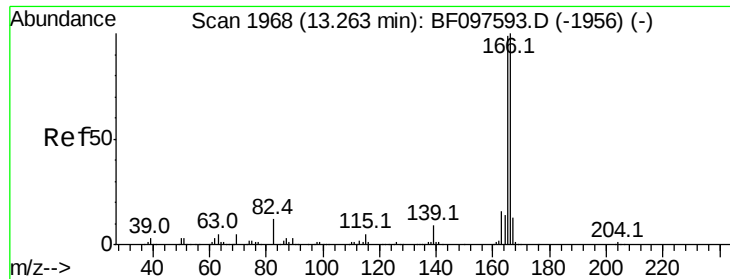
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#56
2,4-Dinitrotoluene
Concen: 40.884 ng
RT: 12.78 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	53.1	25.4	38.0#	
89	69.6	46.4	69.6	
182	2.0	1.8	2.6	





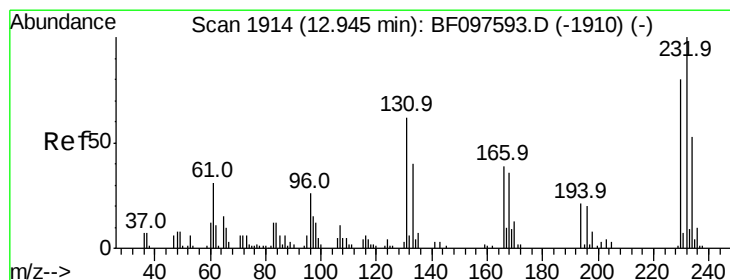
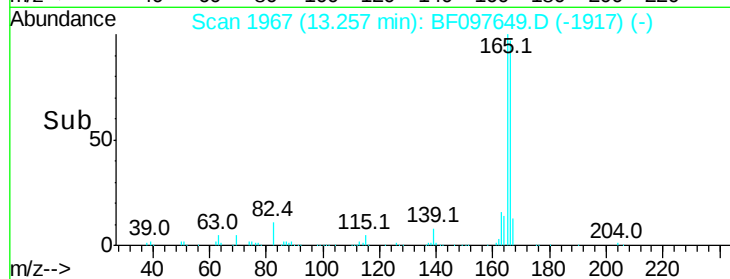
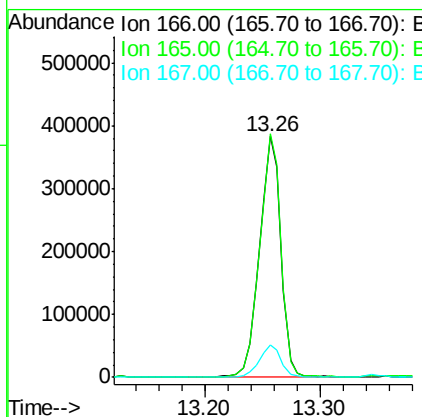
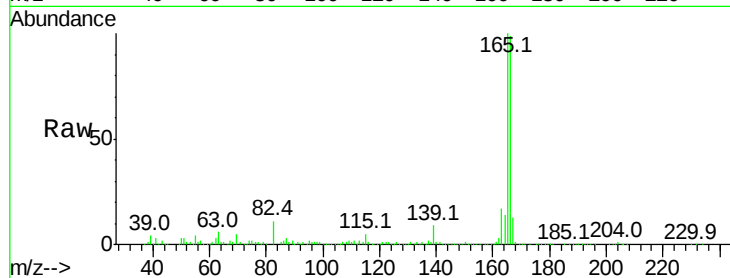
#57
 Fluorene
 Concen: 38.598 ng
 RT: 13.26 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Instrument :
 BNA_F
 ClientSampled :
 VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	101.1	78.8	118.2	
167	13.4	10.6	16.0	

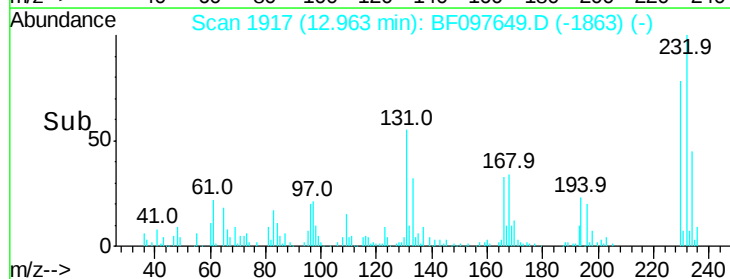
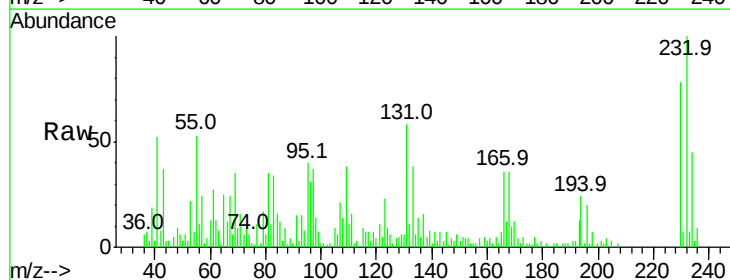
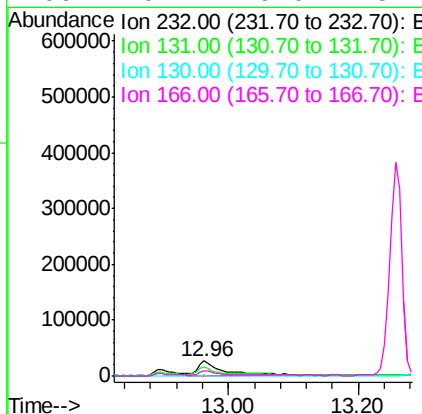
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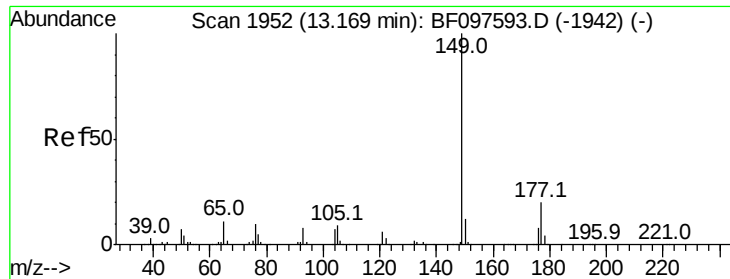
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 34.709 ng
 RT: 12.96 min Scan# 1917
 Delta R.T. 0.02 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	42.8	44.8	67.2#	
130	2.1	2.3	3.5#	
166	19.2	29.0	43.4#	





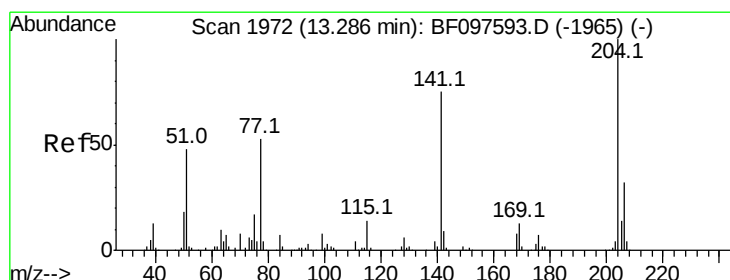
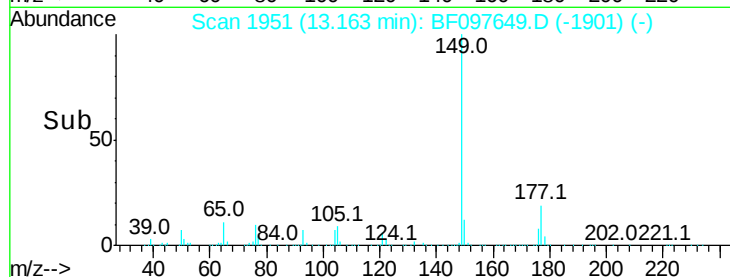
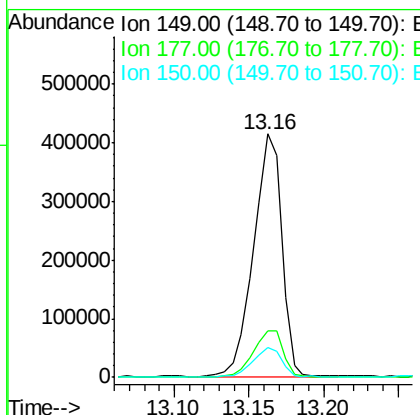
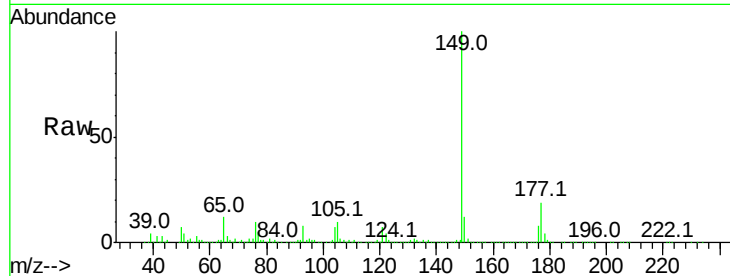
#59
Diethylphthalate
Concen: 41.776 ng
RT: 13.16 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	19.3	16.7	25.1
150	12.4	10.2	15.2

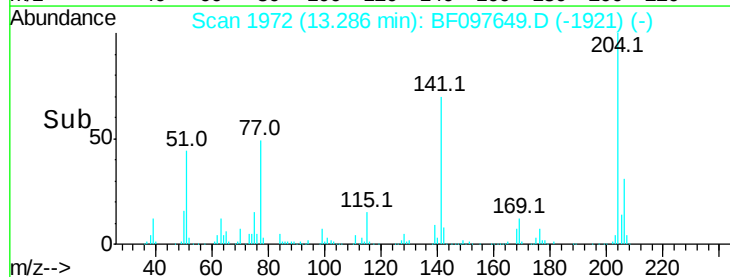
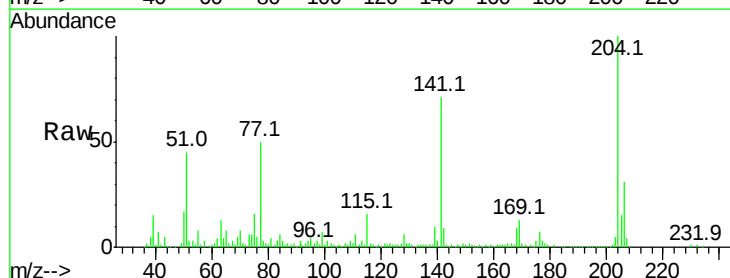
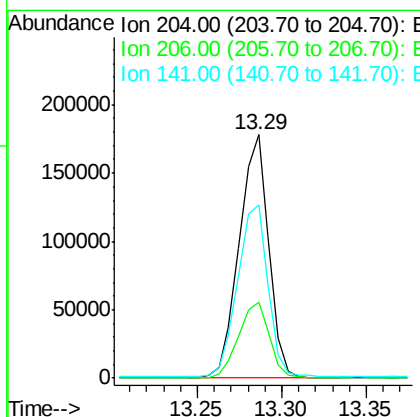
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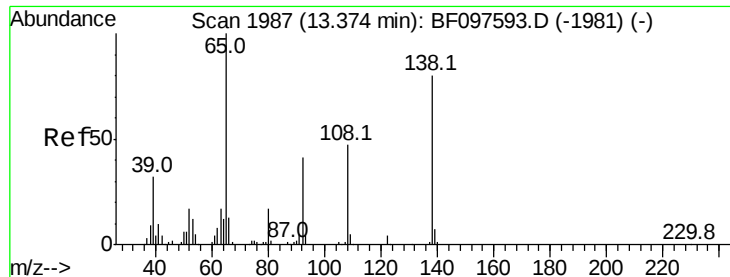
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#60
4-Chlorophenyl-phenylether
Concen: 40.052 ng
RT: 13.29 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
204	100		
206	31.3	26.2	39.2
141	71.0	60.8	91.2





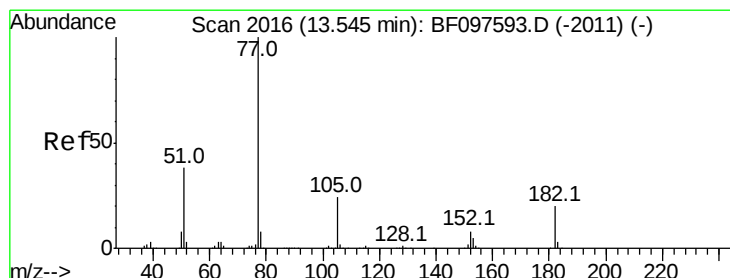
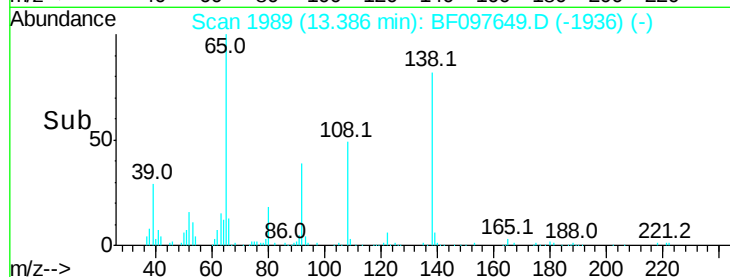
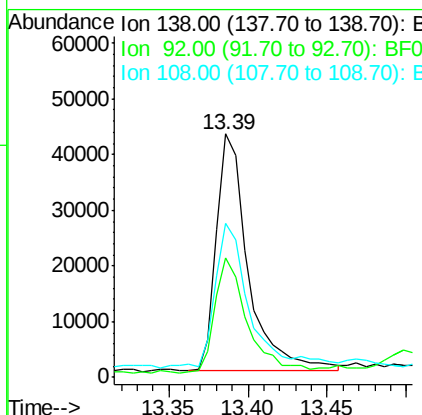
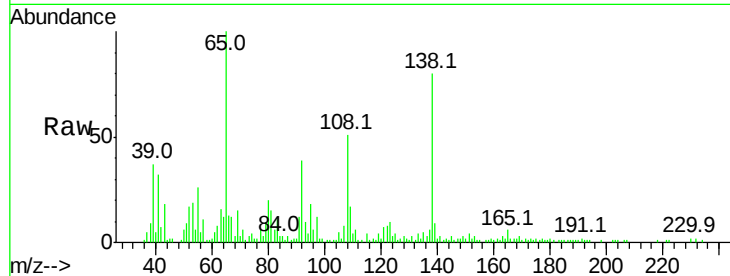
#61
4-Nitroaniline
Concen: 16.997 ng
RT: 13.39 min Scan# 1989
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	49.0	21.8	61.8
108	63.1	42.3	82.3

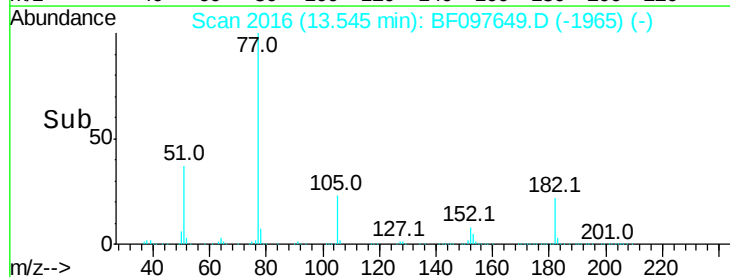
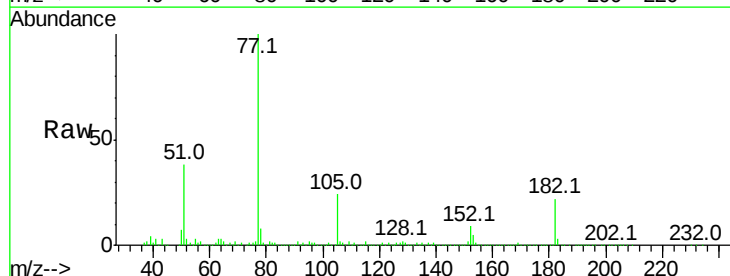
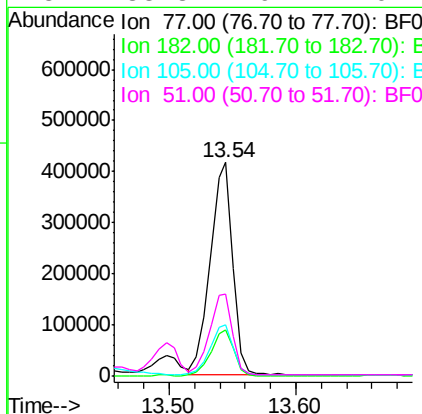
Manual Integrations
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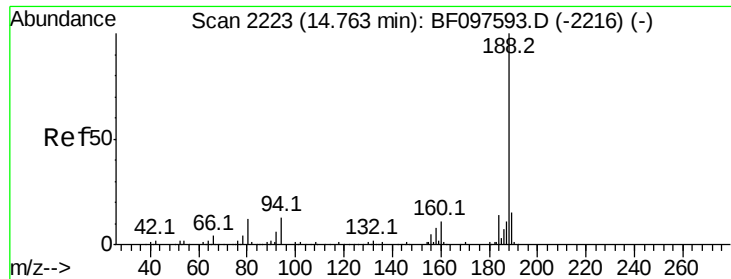
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#62
Azobenzene
Concen: 40.249 ng
RT: 13.54 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
77	100		
182	21.5	0.1	40.1
105	23.7	3.6	43.6
51	38.3	9.4	49.4





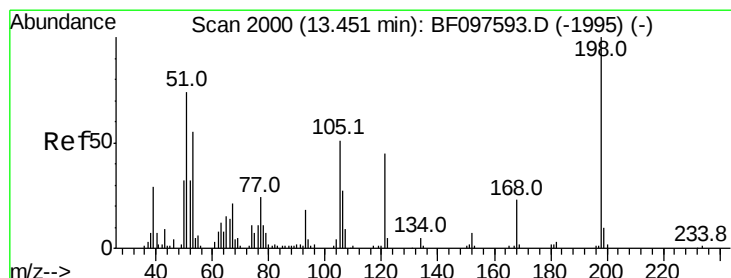
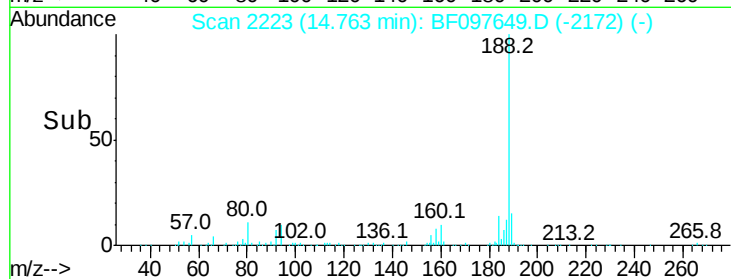
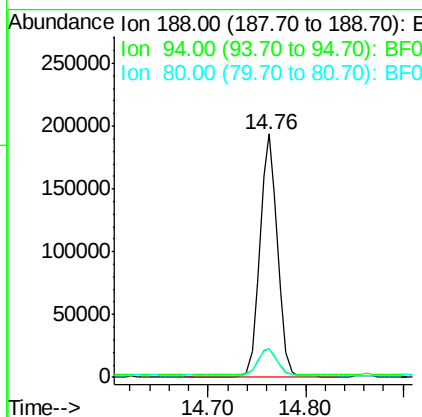
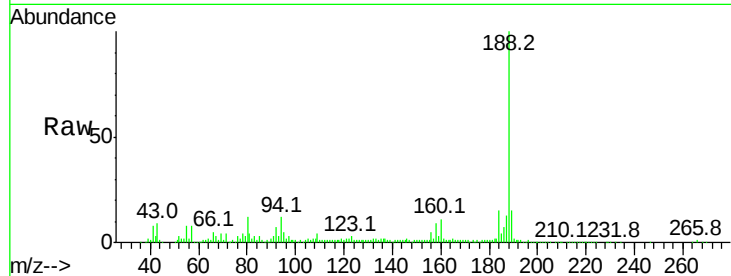
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 2223
Delta R.T. 0.00 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	246338		
94	11.8		9.4	14.2
80	11.8		10.2	15.2

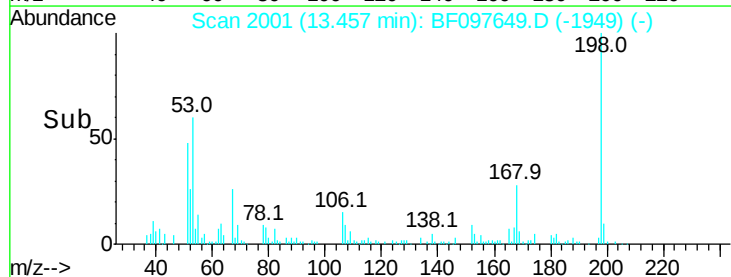
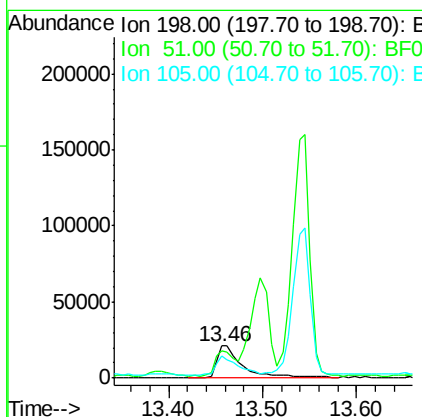
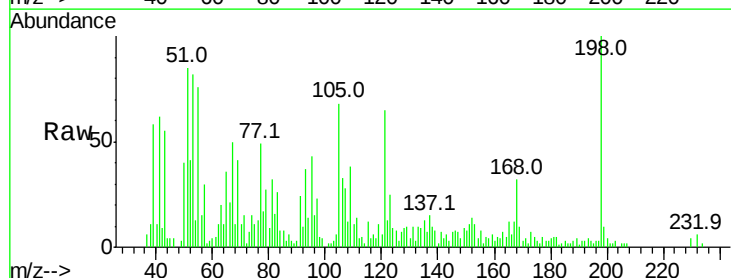
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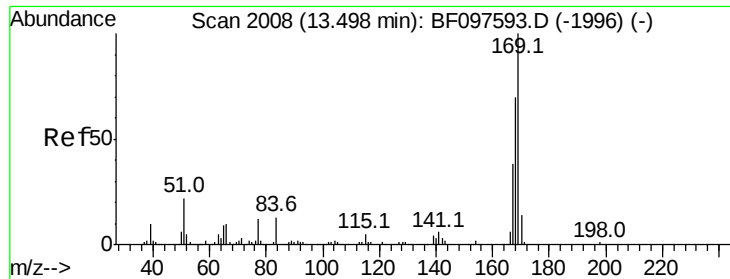
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#64
4,6-Dinitro-2-methylphenol
Concen: 27.921 ng
RT: 13.46 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	41956		
51	85.4		53.2	93.2
105	68.2		45.8	85.8





#65

n-Nitrosodiphenylamine

Concen: 46.640 ng

RT: 13.50 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

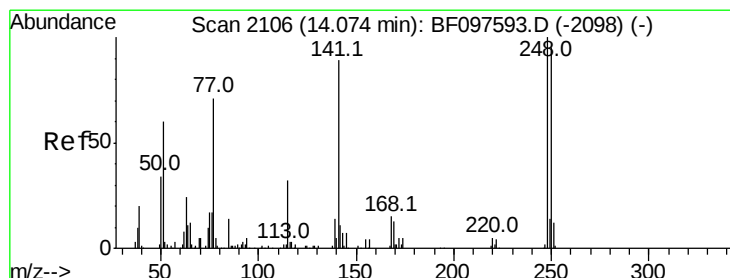
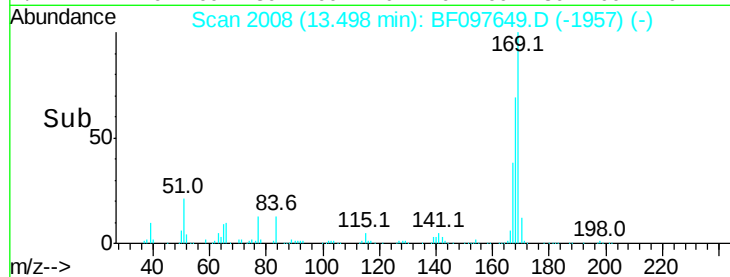
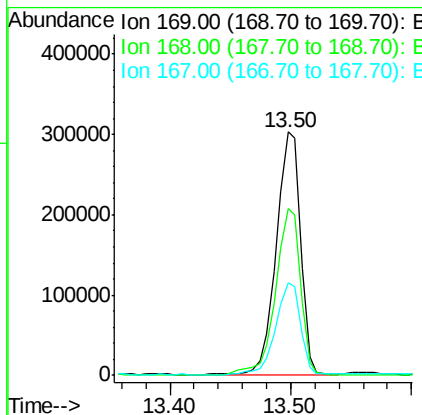
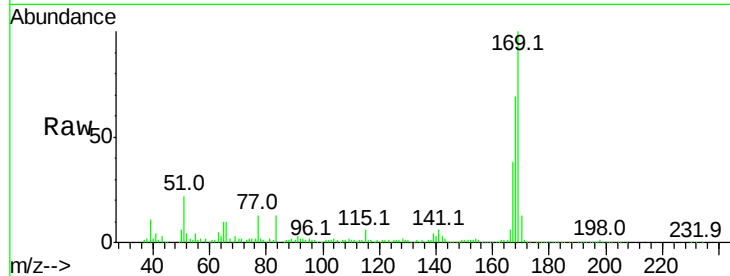
ClientSampleId :

VE-4-11MSD

Tot Ion:	169	Resp:	424575
Ion Ratio	Lower	Upper	
169	100		
168	68.5	53.2	79.8
167	38.2	29.5	44.3

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#66

4-Bromophenyl-phenylether

Concen: 46.560 ng

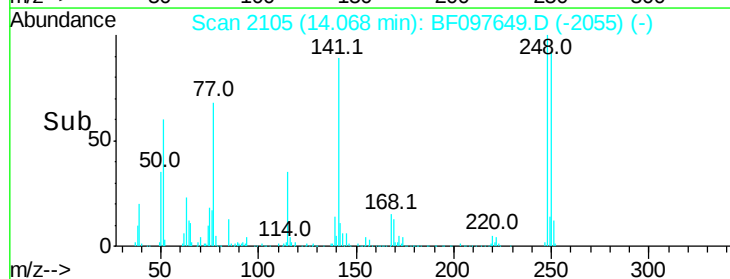
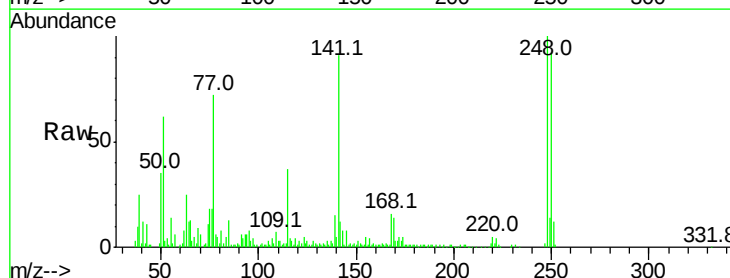
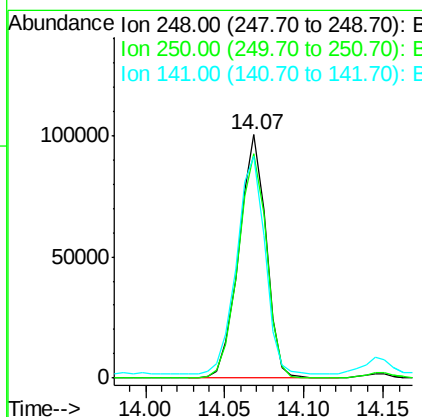
RT: 14.07 min Scan# 2105

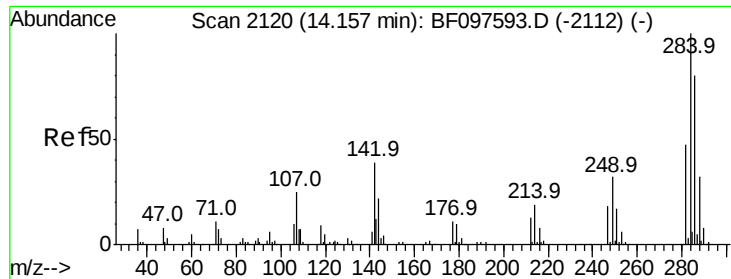
Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion:	248	Resp:	118993
Ion Ratio	Lower	Upper	
248	100		
250	92.4	76.8	115.2
141	91.0	68.6	103.0





#67

Hexachlorobenzene

Concen: 43.855 ng

RT: 14.15 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

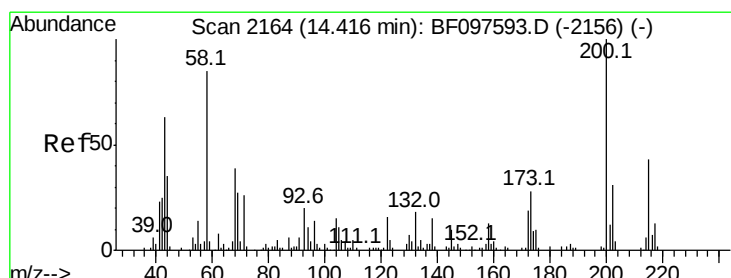
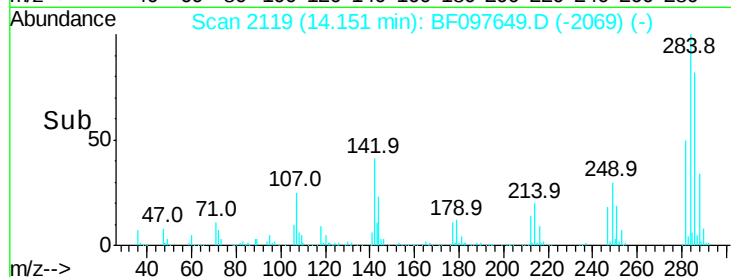
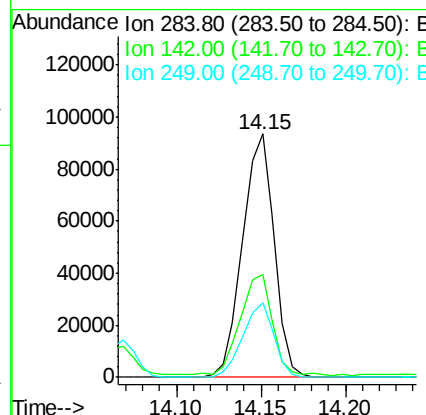
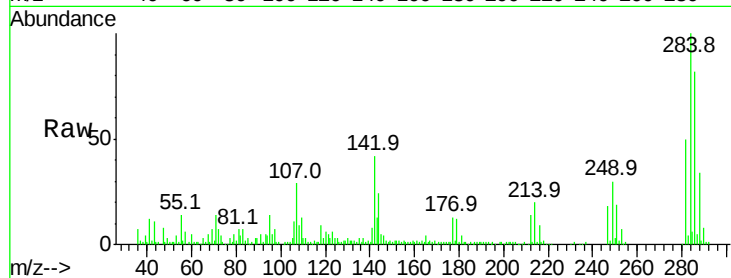
ClientSampleId :

VE-4-11MSD

Tot Ion:	284	Resp:	122088
Ion Ratio	Lower	Upper	
284	100		
142	42.2	22.8	34.2#
249	30.5	24.0	36.0

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#68

Atrazine

Concen: 30.734 ng

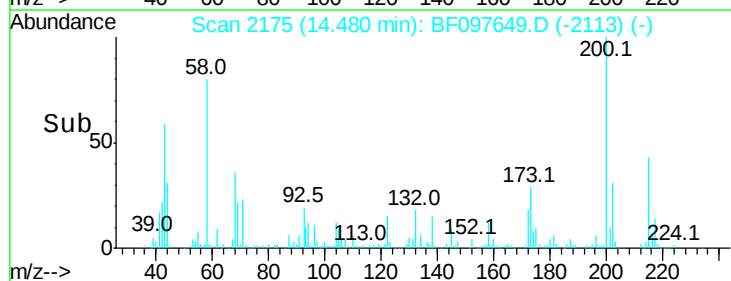
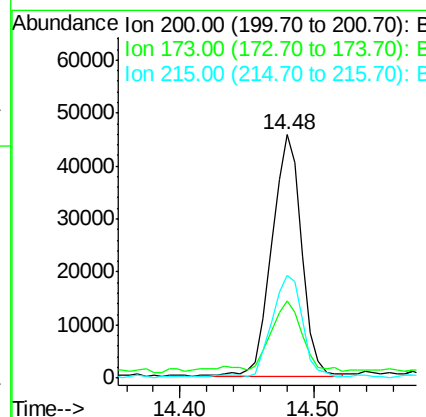
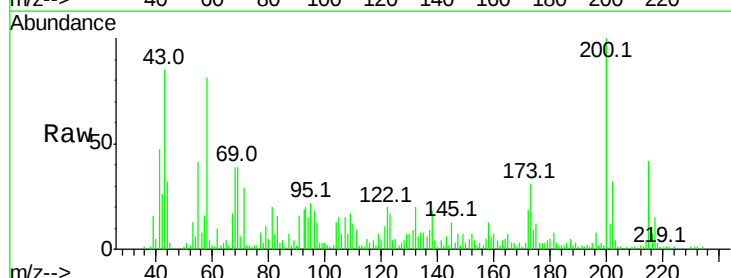
RT: 14.48 min Scan# 2175

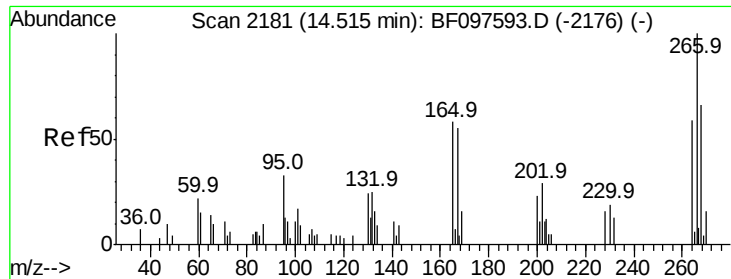
Delta R.T. 0.06 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion:	200	Resp:	70198
Ion Ratio	Lower	Upper	
200	100		
173	31.5	6.3	46.3
215	42.0	27.2	67.2





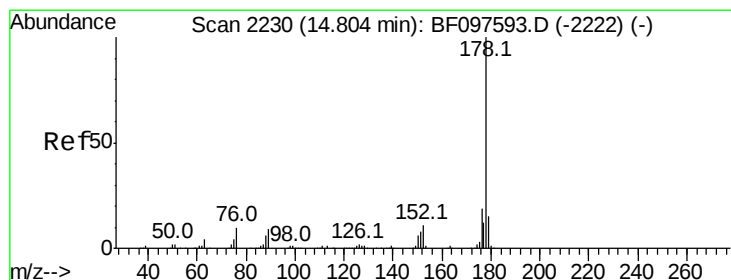
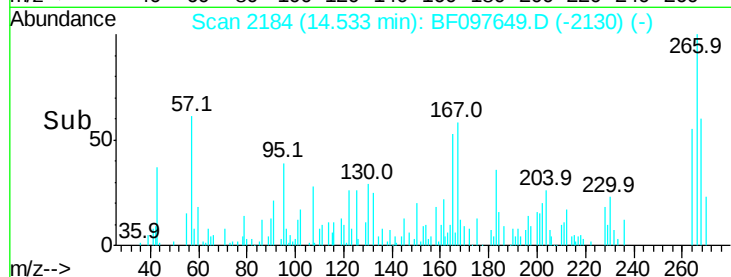
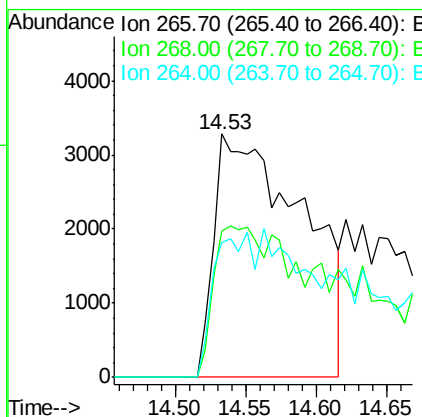
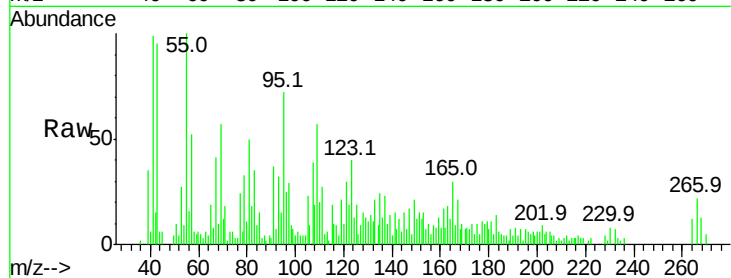
#69
 Pentachlorophenol
 Concen: 29.115 ng
 RT: 14.53 min Scan# 2184
 Delta R.T. 0.02 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	60.1	51.1	76.7
264	55.4	51.7	77.5

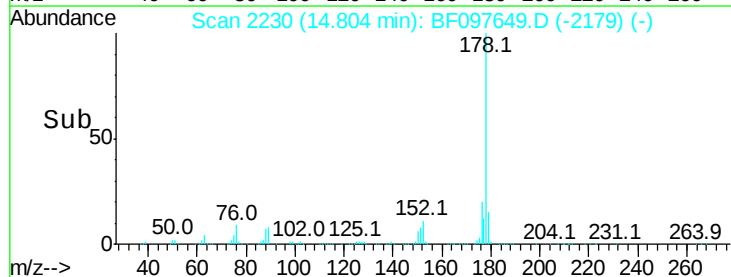
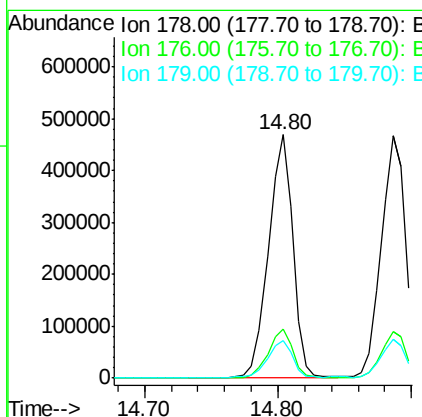
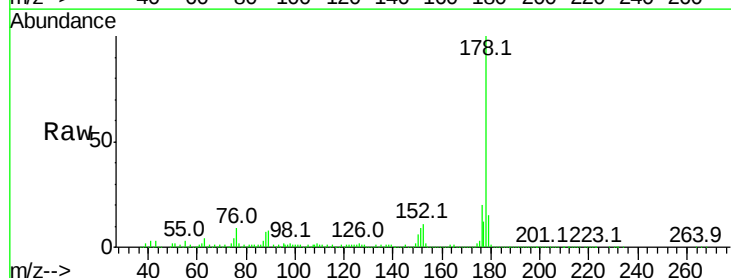
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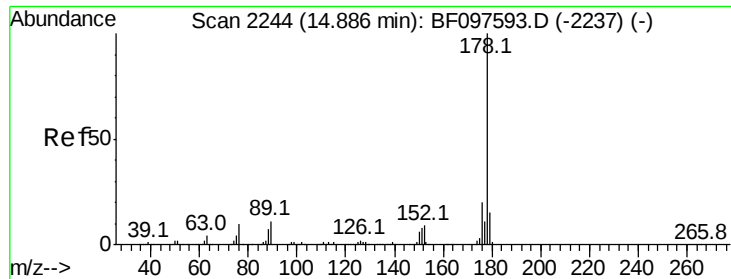
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#70
 Phenanthrene
 Concen: 41.655 ng
 RT: 14.80 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	15.4	12.6	19.0





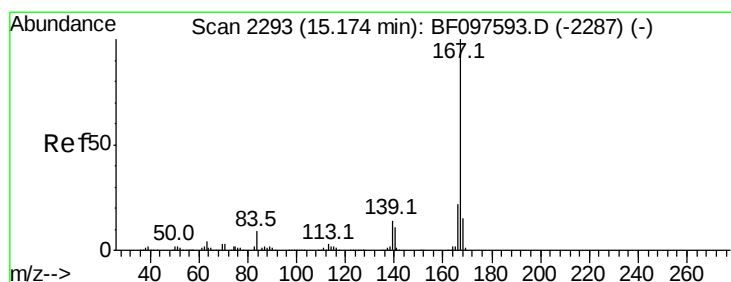
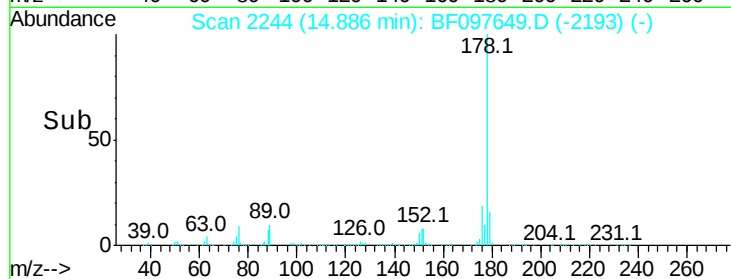
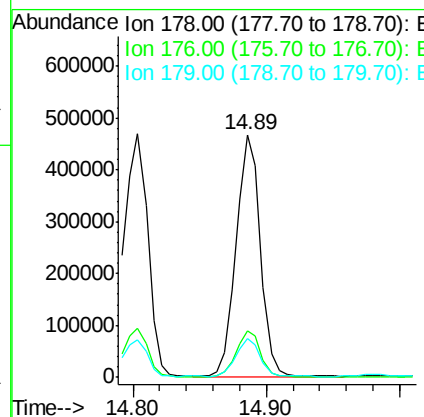
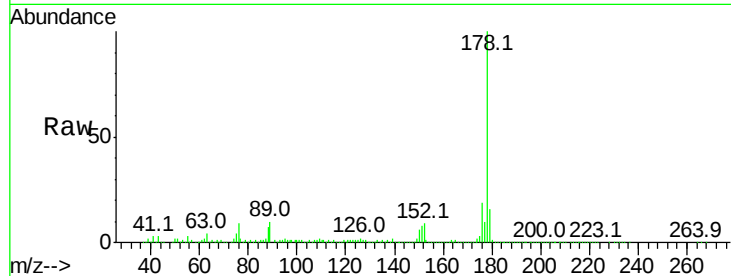
#71
 Anthracene
 Concen: 40.809 ng
 RT: 14.89 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.1	12.7	19.1

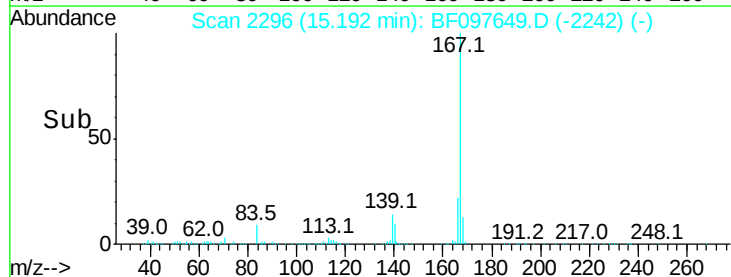
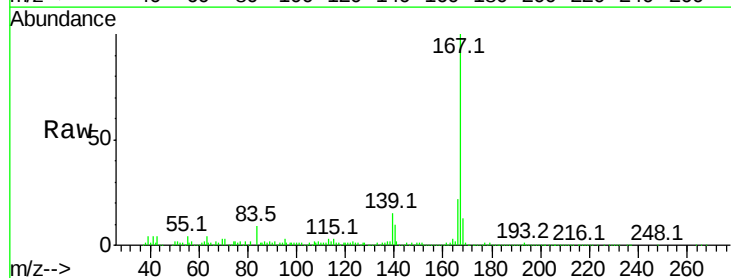
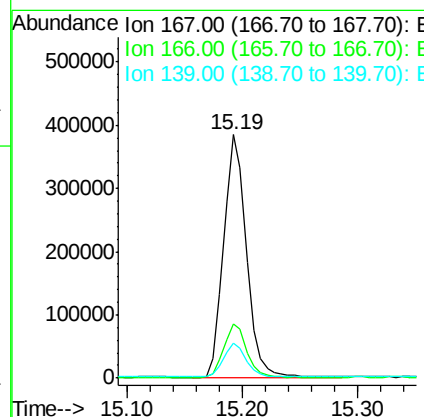
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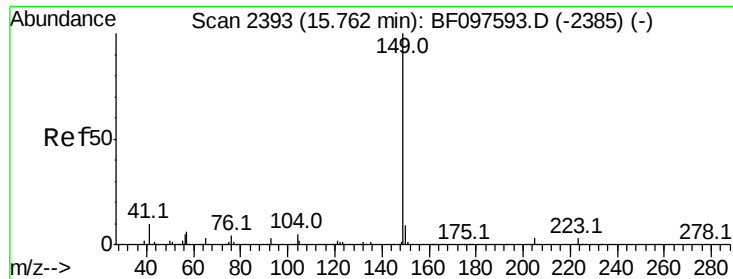
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#72
 Carbazole
 Concen: 37.807 ng
 RT: 15.19 min Scan# 2296
 Delta R.T. 0.02 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.1	27.1
139	14.6	11.7	17.5





#73

Di-n-butylphthalate

Concen: 44.190 ng

RT: 15.76 min Scan# 2393

Delta R.T. 0.00 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

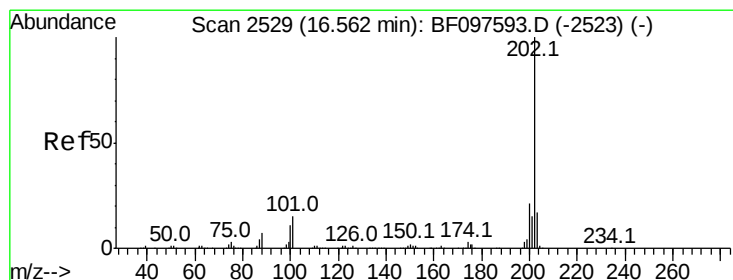
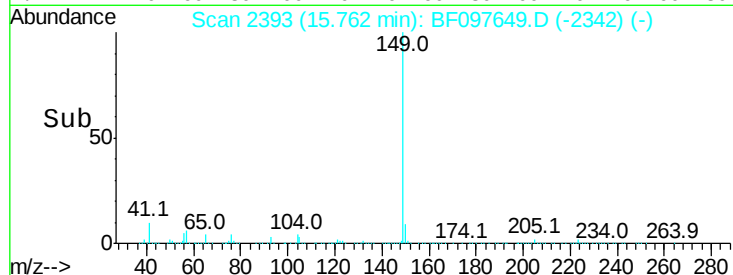
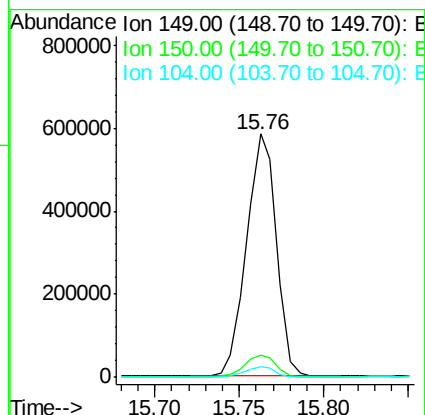
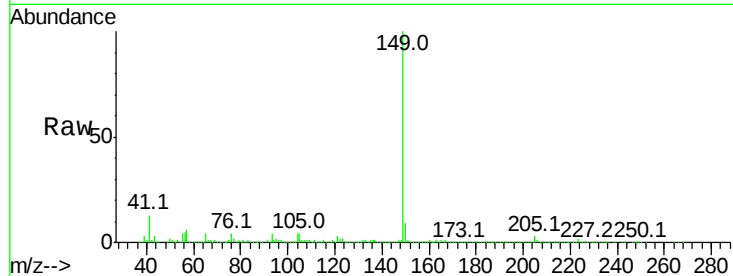
ClientSampleId :

VE-4-11MSD

Tot Ion:	149	Resp:	714795
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.7	11.5
104	4.5	4.0	6.0

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#74

Fluoranthene

Concen: 37.640 ng

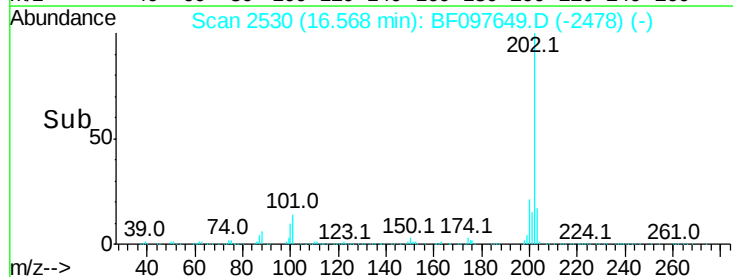
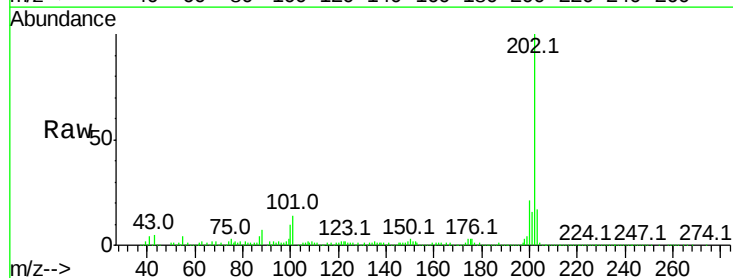
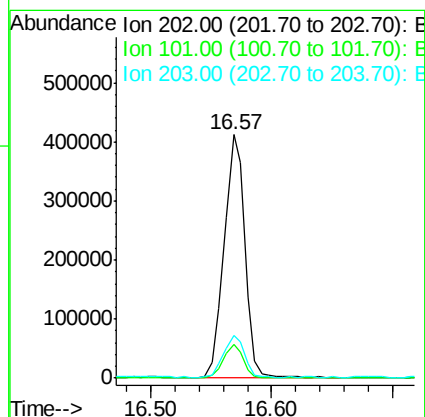
RT: 16.57 min Scan# 2530

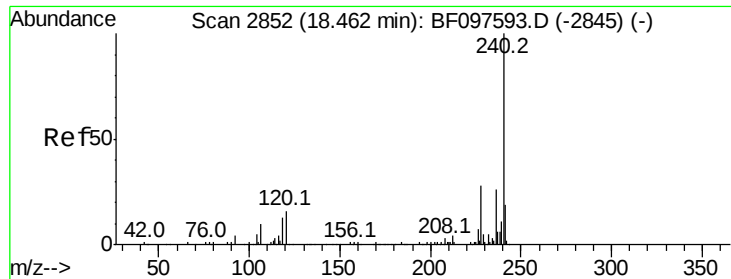
Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion:	202	Resp:	482567
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.47 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

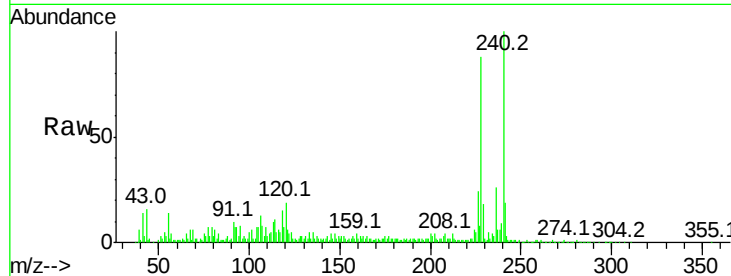
ClientSampleId :

VE-4-11MSD

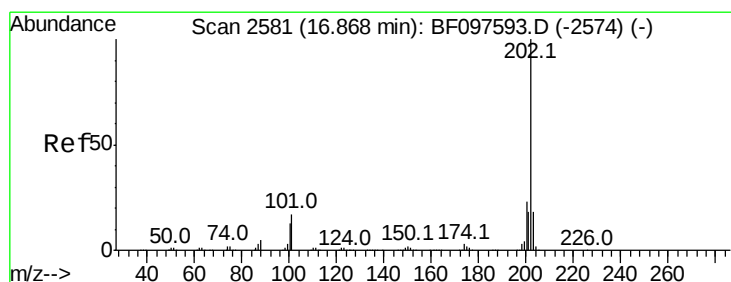
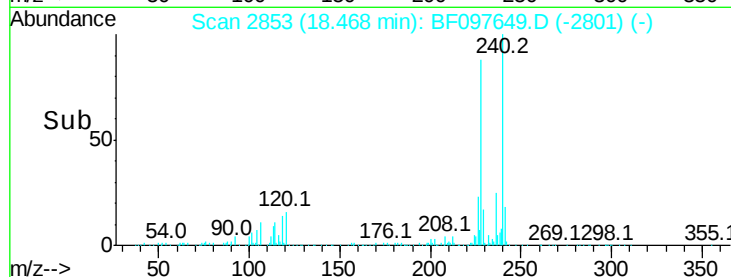
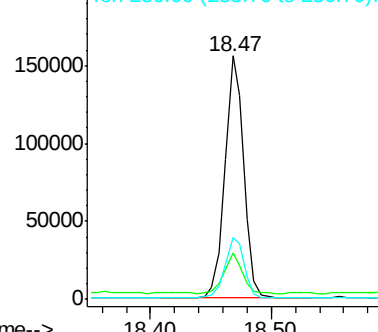
Tot Ion:	240	Resp:	168860
Ion Ratio	Lower	Upper	
240	100		
120	19.0	5.8	8.8#
236	25.6	20.5	30.7

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 37.420 ng

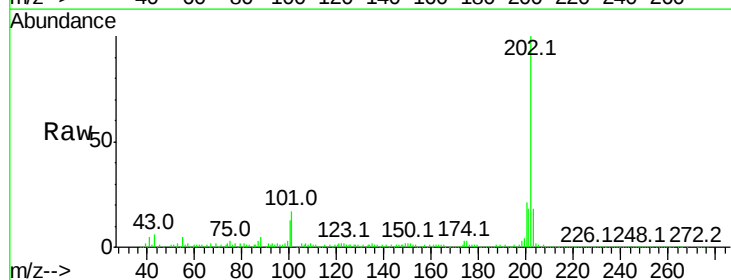
RT: 16.87 min Scan# 2582

Delta R.T. 0.01 min

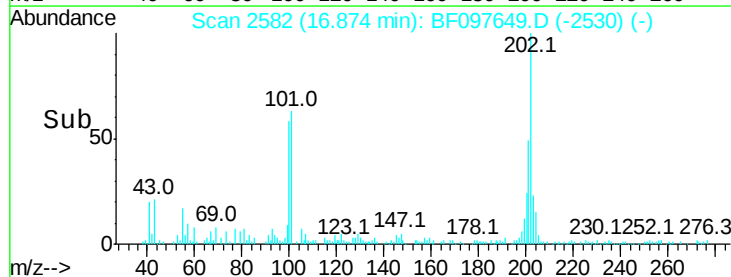
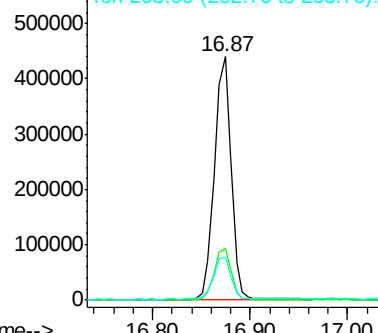
Lab File: BF097649.D

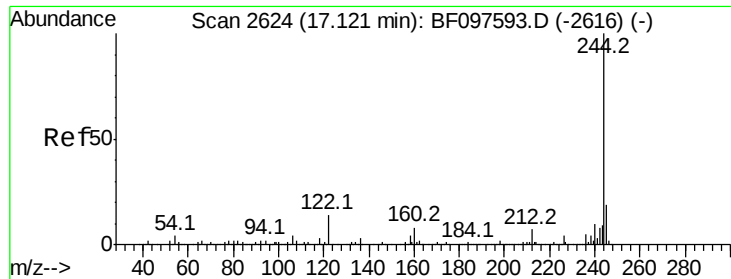
Acq: 12 Aug 2017 23:07

Tgt Ion:	202	Resp:	522524
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.6	26.4
203	17.7	14.4	21.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





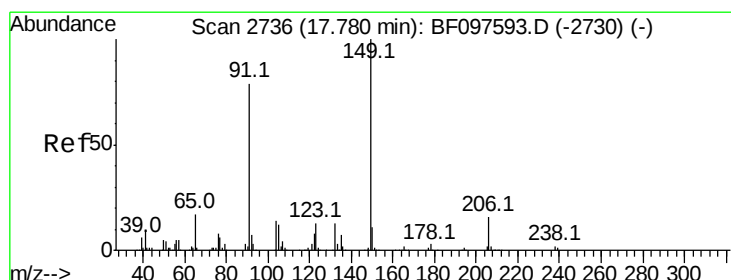
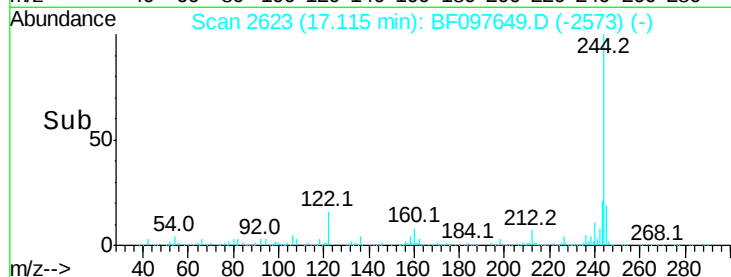
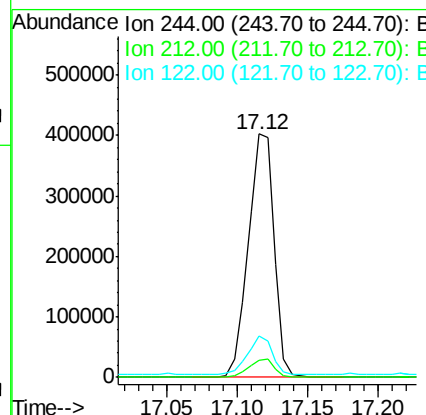
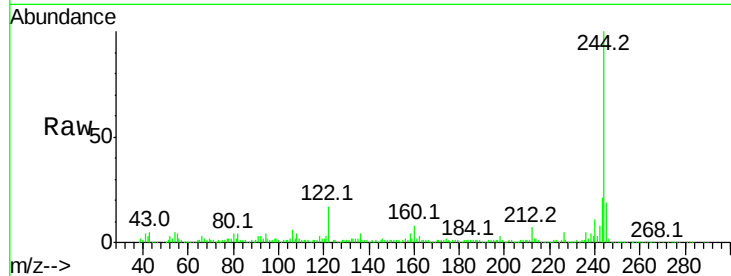
#78
 Terphenyl-d14
 Concen: 62.855 ng
 RT: 17.12 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	17.0	10.3	15.5

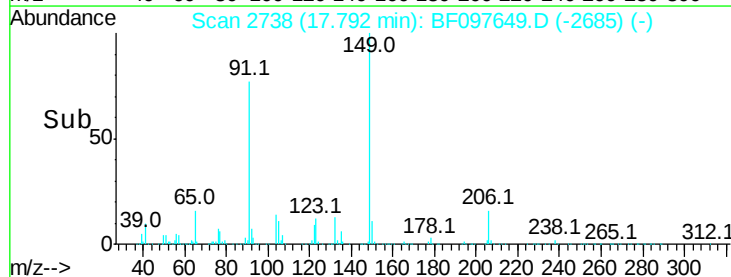
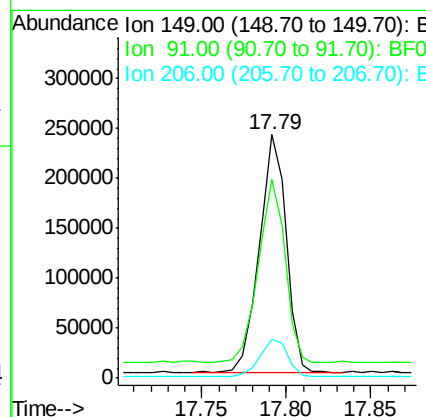
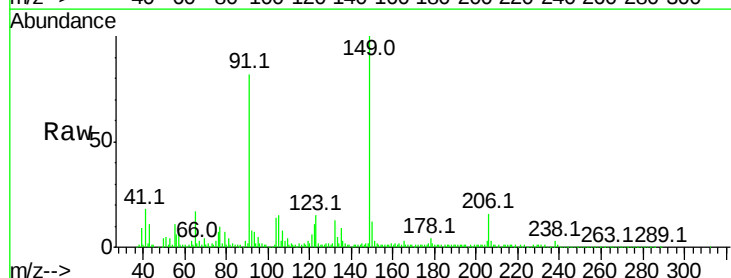
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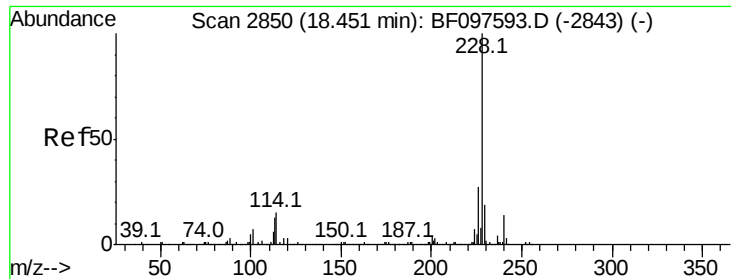
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#79
 Butylbenzylphthalate
 Concen: 45.506 ng
 RT: 17.79 min Scan# 2738
 Delta R.T. 0.01 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
149	100		
91	81.7	45.0	67.4
206	16.0	17.0	25.6





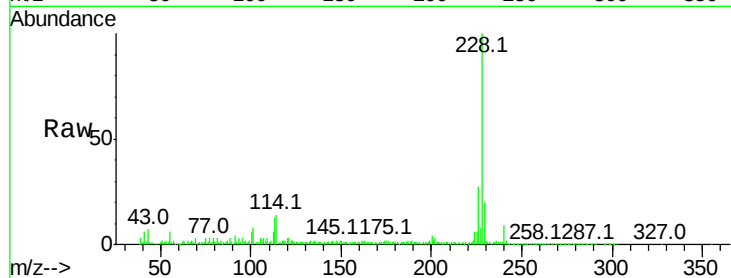
#80
Benzo(a)anthracene
Concen: 43.176 ng
RT: 18.46 min Scan# 2851
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

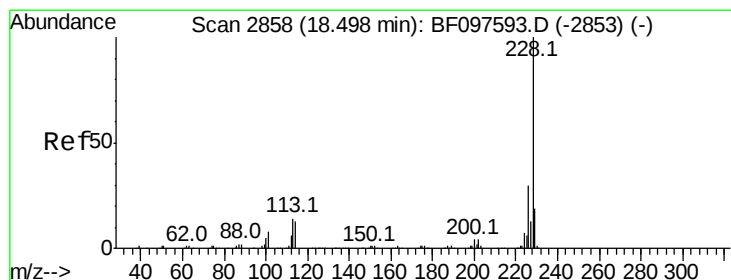
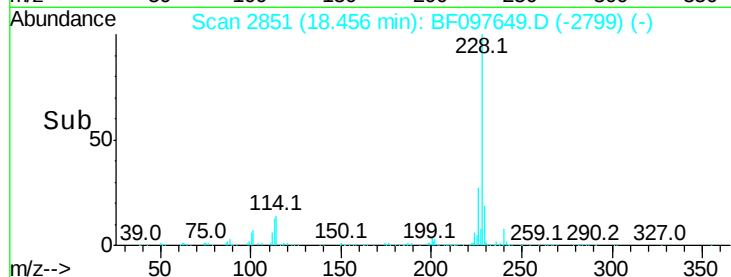
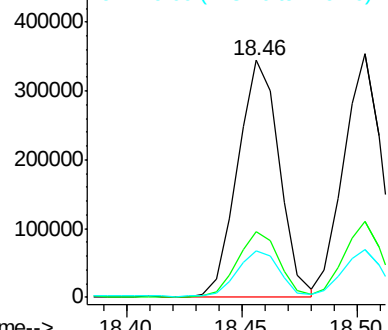
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	19.6	16.3	24.5

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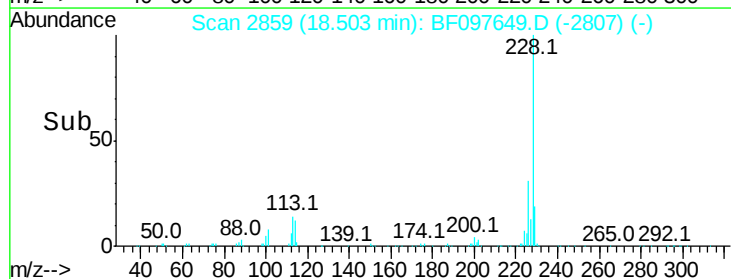
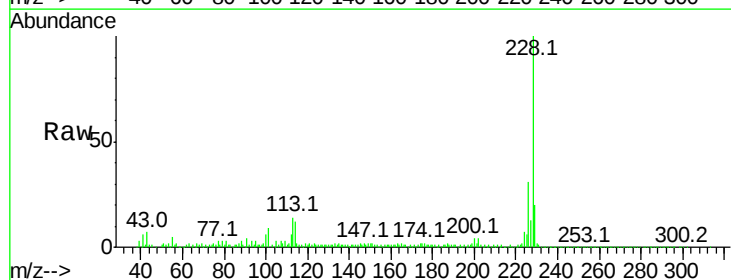
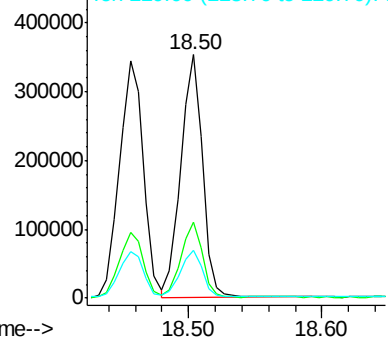
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

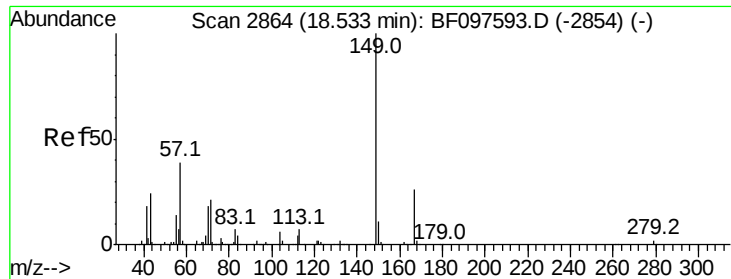


#82
Chrysene
Concen: 41.013 ng
RT: 18.50 min Scan# 2859
Delta R.T. 0.01 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	19.7	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 45.692 ng

RT: 18.54 min Scan# 2865

Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

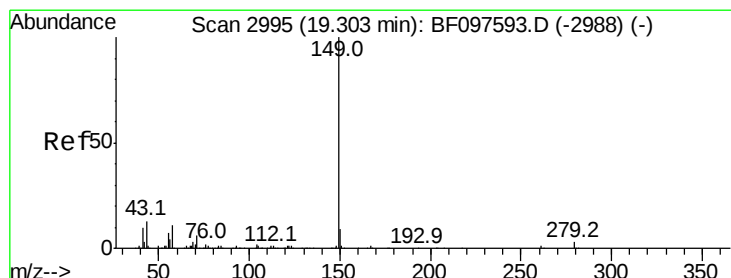
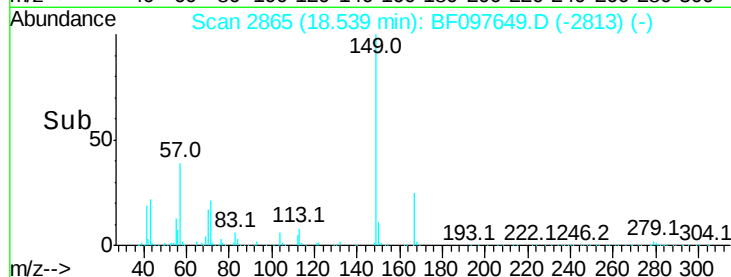
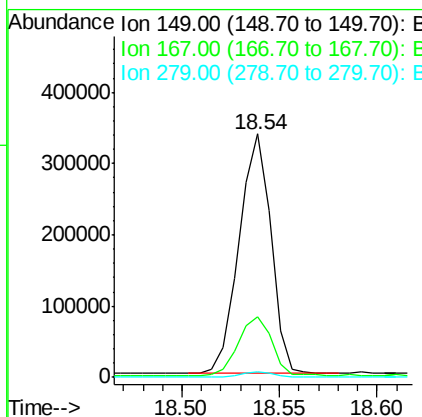
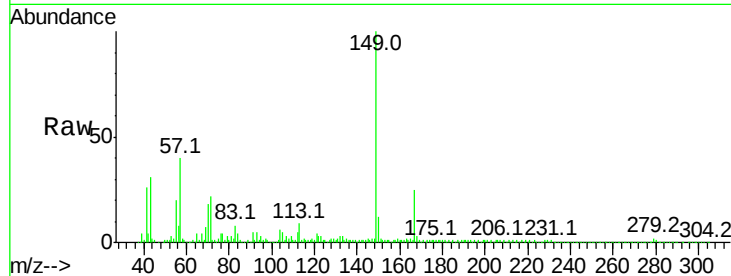
ClientSampleId :

VE-4-11MSD

Tot Ion:	149	Resp:	379381
Ion Ratio	Lower	Upper	
149	100		
167	25.1	21.0	31.4
279	2.5	1.9	2.9

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#84

Di-n-octyl phthalate

Concen: 41.396 ng

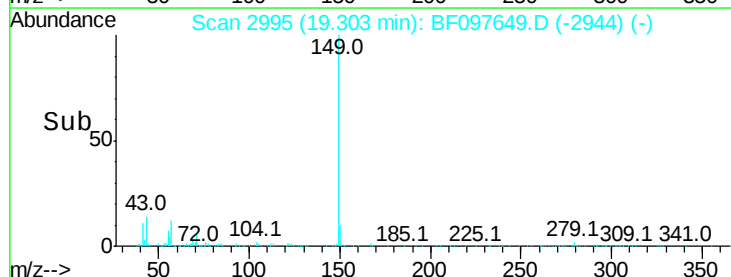
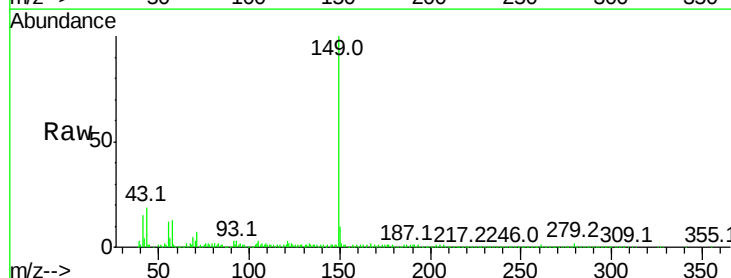
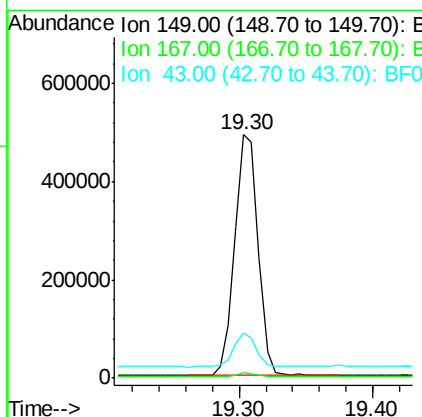
RT: 19.30 min Scan# 2995

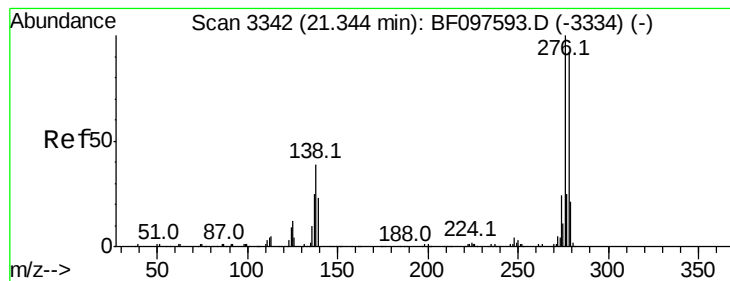
Delta R.T. -0.00 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion:	149	Resp:	600247
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	13.0	8.5	12.7#





#85

Indeno(1,2,3-cd)pyrene

Concen: 52.062 ng

RT: 21.36 min Scan# 3345

Delta R.T. 0.02 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

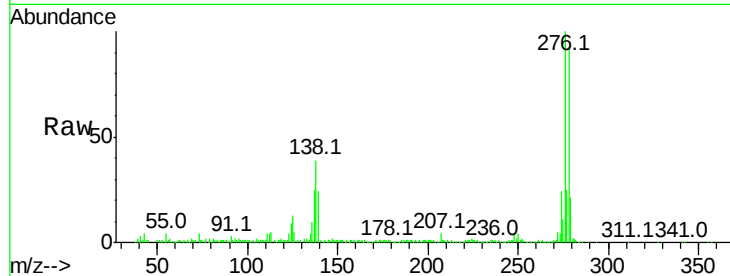
ClientSampled :

VE-4-11MSD

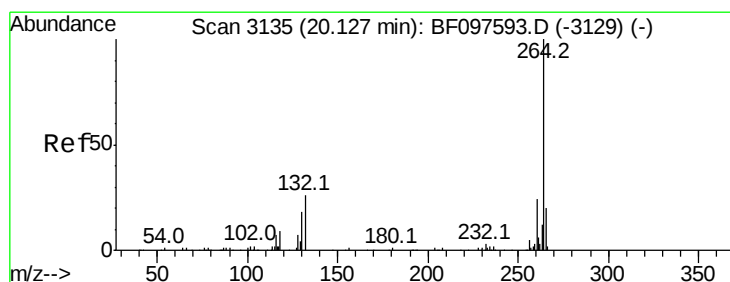
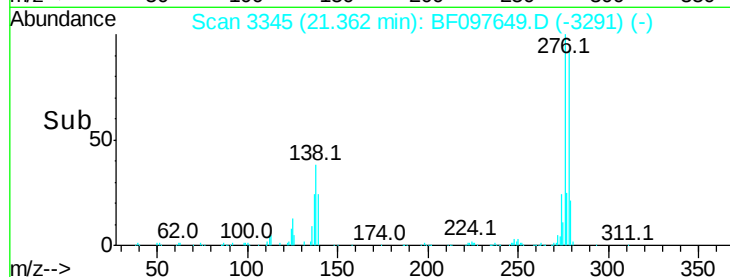
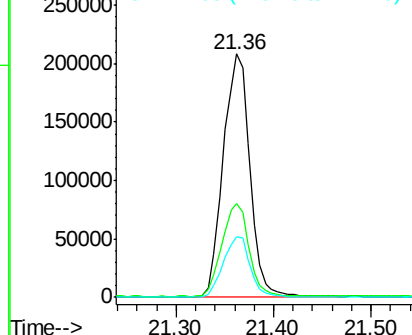
Tot Ion:	276	Resp:	397204
Ion Ratio	Lower	Upper	
276	100		
138	38.7	27.8	41.6
277	25.1	20.2	30.4

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

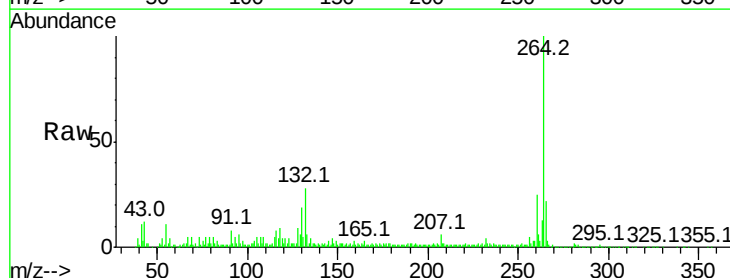
RT: 20.14 min Scan# 3137

Delta R.T. 0.01 min

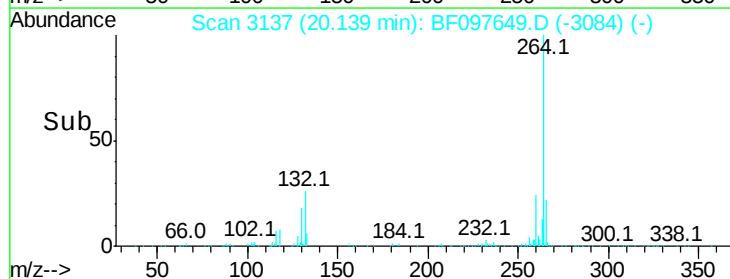
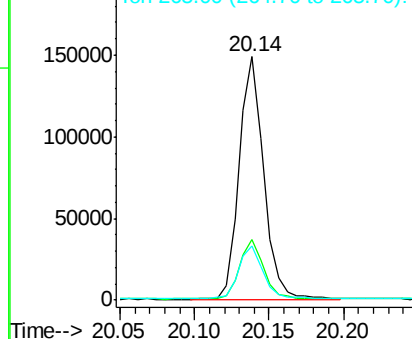
Lab File: BF097649.D

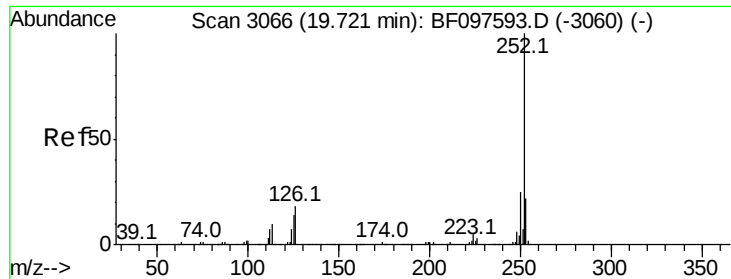
Acq: 12 Aug 2017 23:07

Tgt Ion:	264	Resp:	170763
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.5	29.3
265	22.4	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 45.603 ng/mL

RT: 19.73 min Scan# 3068

Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Instrument :

BNA_F

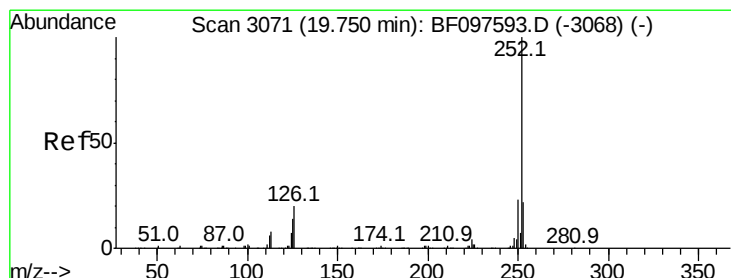
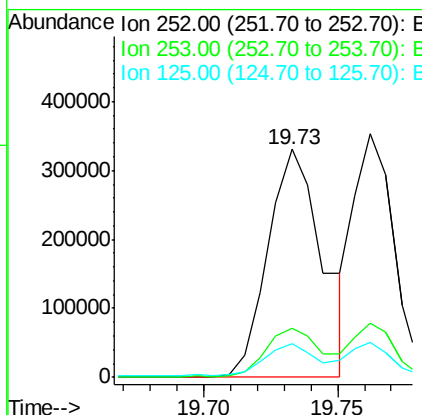
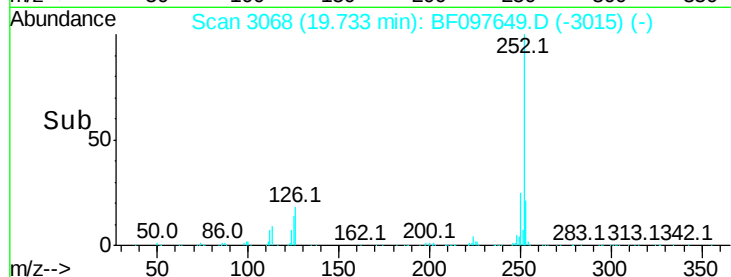
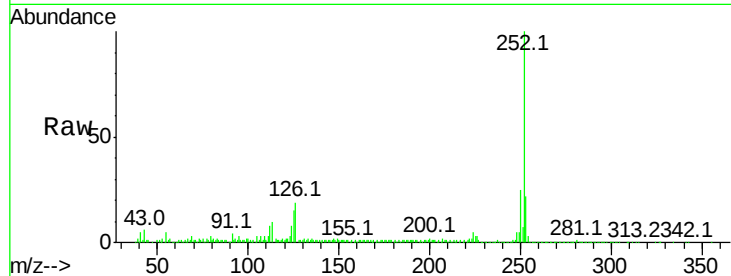
ClientSampleId :

VE-4-11MSD

Tot Ion:	252	Resp:	467615
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.1	27.1
125	15.0	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 36.069 ng/mL

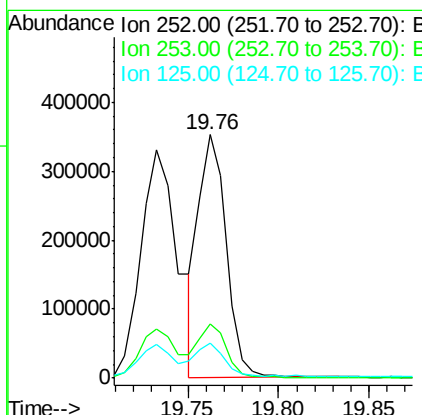
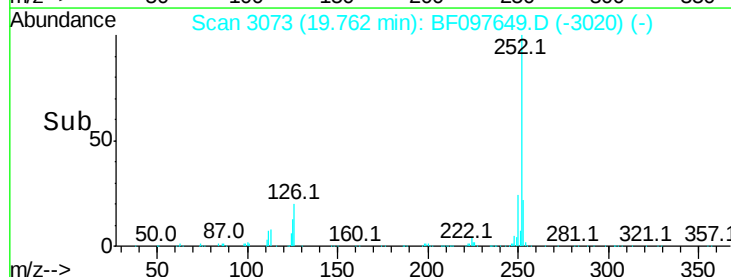
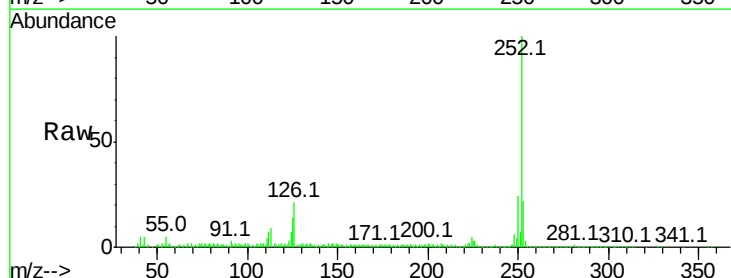
RT: 19.76 min Scan# 3073

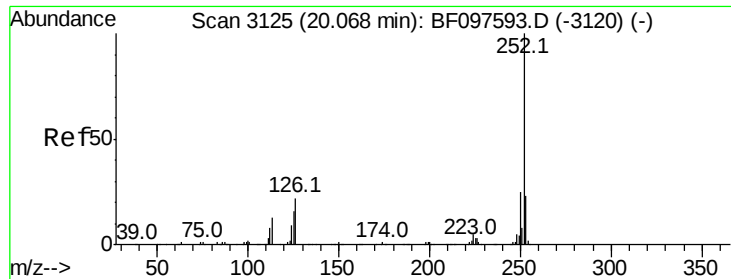
Delta R.T. 0.01 min

Lab File: BF097649.D

Acq: 12 Aug 2017 23:07

Tgt Ion:	252	Resp:	372491
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.4	27.6
125	14.2	13.1	19.7





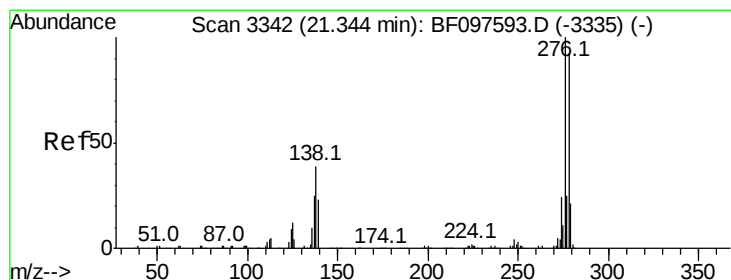
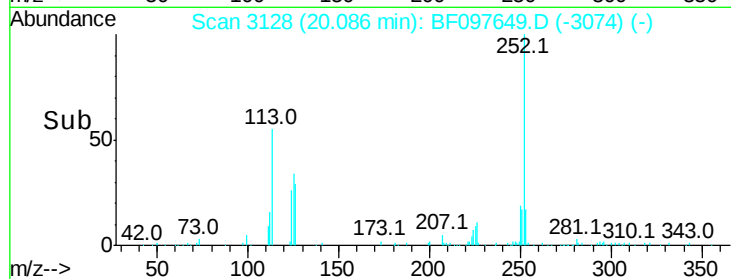
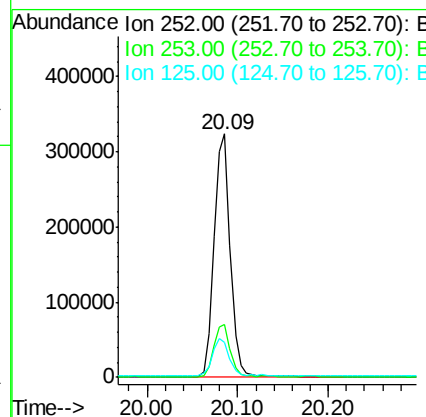
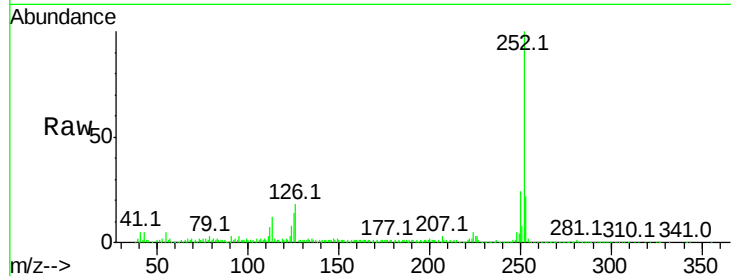
#89
Benzo(a)pyrene
Concen: 42.804 ng
RT: 20.09 min Scan# 3128
Delta R.T. 0.02 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	14.5	11.0	16.4

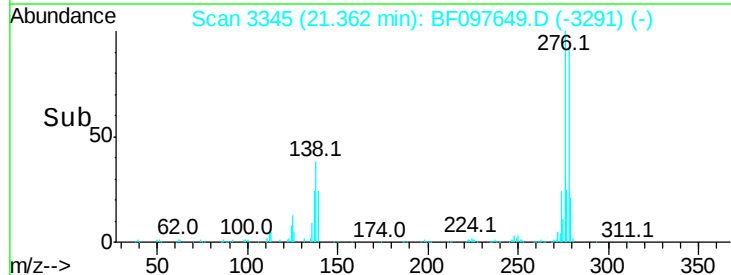
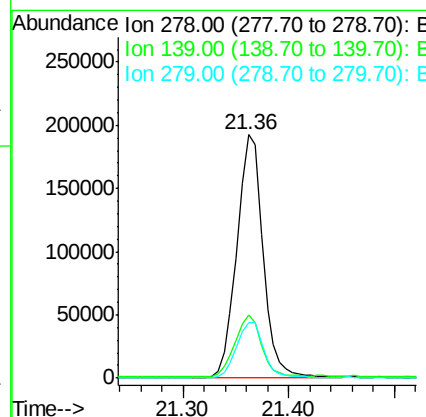
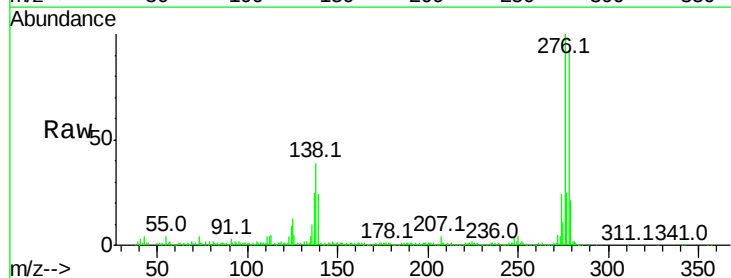
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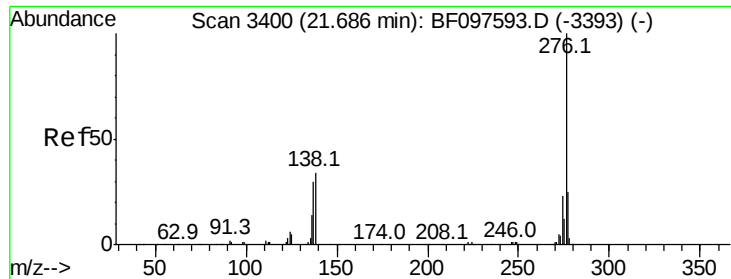
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#90
Dibenzo(a,h)anthracene
Concen: 49.156 ng
RT: 21.36 min Scan# 3345
Delta R.T. 0.02 min
Lab File: BF097649.D
Acq: 12 Aug 2017 23:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.2	16.6	24.8#
279	22.8	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 46.348 ng
 RT: 21.71 min Scan# 3404
 Delta R.T. 0.02 min
 Lab File: BF097649.D
 Acq: 12 Aug 2017 23:07

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	33.9	25.4	38.0

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