

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120116\
 Data File : BF091382.D
 Acq On : 1 Dec 2016 19:35
 Operator : UM/SJ
 Sample : H5801-08MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PMW-1A-112916MSD

Manual Integrations
 APPROVED

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 12/2/2016 4:20:32 PM

Quant Time: Dec 02 00:50:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	187269	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	782237	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	443971	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	741473	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	481701	20.00	ng	-0.02
86) Perylene-d12	15.45	264	437673	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	891624	77.78	ng	0.00
7) Phenol-d6	6.49	99	786438	55.73	ng	0.00
23) Nitrobenzene-d5	7.43	82	1285622	92.10	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	628504	149.53	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2285321	93.20	ng	-0.02
78) Terphenyl-d14	12.97	244	2090002	94.30	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.53	88	101398	19.55	ng	# 84
3) Pyridine	3.25	79	250816	17.09	ng	88
4) n-Nitrosodimethylamine	3.18	42	176798	22.96	ng	99
6) Aniline	6.53	93	333105	17.77	ng	# 66
8) 2-Chlorophenol	6.64	128	488005	38.83	ng	# 74
9) Benzaldehyde	6.40	77	281079	30.97	ng	91
10) Phenol	6.50	94	340515	20.51	ng	91
11) bis(2-Chloroethyl)ether	6.60	93	519312	43.77	ng	96
12) 1,3-Dichlorobenzene	6.80	146	561451	40.16	ng	98
13) 1,4-Dichlorobenzene	6.88	146	592787	42.63	ng	100
14) 1,2-Dichlorobenzene	7.03	146	502173	38.77	ng	99
15) Benzyl Alcohol	7.01	79	417235	36.95	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.14	45	1101712	43.19	ng	76
17) 2-Methylphenol	7.12	107	372695	37.51	ng	# 76
18) Hexachloroethane	7.37	117	318737	64.55	ng	# 85
19) n-Nitroso-di-n-propylamine	7.28	70	429272	48.29	ng	# 98
20) 3+4-Methylphenols	7.27	107	377158	31.10	ng	# 44
22) Acetophenone	7.27	105	933350	50.34	ng	# 82
24) Nitrobenzene	7.45	77	692772	48.48	ng	# 73
25) Isophorone	7.69	82	1241077	50.19	ng	98
26) 2-Nitrophenol	7.76	139	293685	45.09	ng	97
27) 2,4-Dimethylphenol	7.81	122	550359	45.17	ng	95
28) bis(2-Chloroethoxy)methane	7.90	93	705943	47.43	ng	100
29) 2,4-Dichlorophenol	8.00	162	471487	43.99	ng	97
30) 1,2,4-Trichlorobenzene	8.09	180	541766	45.09	ng	97
31) Naphthalene	8.17	128	1847625	49.70	ng	99
32) Benzoic acid	7.90	122	140454	15.64	ng	96
33) 4-Chloroaniline	8.22	127	174463	10.98	ng	97
34) Hexachlorobutadiene	8.29	225	288998	39.11	ng	96
35) Caprolactam	8.60	113	31129	10.11	ng	# 87
36) 4-Chloro-3-methylphenol	8.70	107	514106	44.43	ng	91
37) 2-Methylnaphthalene	8.86	142	1169615	46.31	ng	93
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	561465	44.86	ng	99
40) Hexachlorocyclopentadiene	9.02	237	504319	86.93	ng	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.14	196	403660	49.62	nq	96
43) 2,4,5-Trichlorophenol	9.18	196	378512	46.43	nq	# 92
45) 1,1'-Biphenyl	9.33	154	1368631	42.87	nq	97
46) 2-Chloronaphthalene	9.35	162	1019125	42.87	nq	98
47) 2-Nitroaniline	9.44	65	361252	42.31	nq	# 77
48) Acenaphthylene	9.76	152	1629128	43.53	nq	99
49) Dimethylphthalate	9.64	163	1331263	49.52	nq	98
50) 2,6-Dinitrotoluene	9.69	165	322588	53.69	nq	# 79
51) Acenaphthene	9.93	154	1198833	47.49	nq	97
52) 3-Nitroaniline	9.85	138	91685	13.18	nq	99
53) 2,4-Dinitrophenol	9.96	184	247640	94.25	nq	# 74
54) Dibenzofuran	10.12	168	1598864	47.30	nq	# 89
55) 4-Nitrophenol	10.01	139	192699	38.36	nq	99
56) 2,4-Dinitrotoluene	10.09	165	401076	51.46	nq	# 71
57) Fluorene	10.45	166	1166666	44.96	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.23	232	344229	49.45	nq	95
59) Diethylphthalate	10.33	149	1278830	48.19	nq	96
60) 4-Chlorophenyl-phenylether	10.45	204	592558	45.53	nq	94
61) 4-Nitroaniline	10.47	138	233133	35.70	nq	89
62) Azobenzene	10.61	77	1437810	53.10	nq	93
64) 4,6-Dinitro-2-methylphenol	10.49	198	184562	45.18	nq	93
65) n-Nitrosodiphenylamine	10.56	169	1035526	46.06	nq	100
66) 4-Bromophenyl-phenylether	10.94	248	411930	51.69	nq	# 78
67) Hexachlorobenzene	11.00	284	378189	43.91	nq	# 77
68) Atrazine	11.10	200	362681	49.81	nq	93
69) Pentachlorophenol	11.19	266	424382	83.71	nq	95
70) Phenanthrene	11.41	178	1678250	43.56	nq	99
71) Anthracene	11.46	178	1853741	48.48	nq	100
72) Carbazole	11.61	167	1413291	40.73	nq	99
73) Di-n-butylphthalate	11.96	149	2005497	51.00	nq	99
74) Fluoranthene	12.60	202	1774721	48.63	nq	99
76) Benzidine	12.71	184	342561	24.22	nq	97
77) Pyrene	12.83	202	1792631	49.04	nq	99
79) Butylbenzylphthalate	13.45	149	765898	55.95	nq	# 81
80) Benzo(a)anthracene	14.01	228	1308058	46.43	nq	98
81) 3,3'-Dichlorobenzidine	13.98	252	287630	28.98	nq	# 98
82) Chrysene	14.05	228	1254020	44.99	nq	100
83) Bis(2-ethylhexyl)phthalate	14.01	149	993109	57.24	nq	# 93
84) Di-n-octyl phthalate	14.62	149	1513992	57.66	nq	98
85) Indeno(1,2,3-cd)pyrene	16.86	276	1283730	50.29	nq	95
87) Benzo(b)fluoranthene	15.04	252	1235823	45.43	nq	# 97
88) Benzo(k)fluoranthene	15.07	252	1082662m	47.33	nq	
89) Benzo(a)pyrene	15.40	252	1126308	46.10	nq	# 95
90) Dibenzo(a,h)anthracene	16.88	278	1067657	47.25	nq	# 92
91) Benzo(g,h,i)perylene	17.28	276	1078988	46.31	nq	99

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

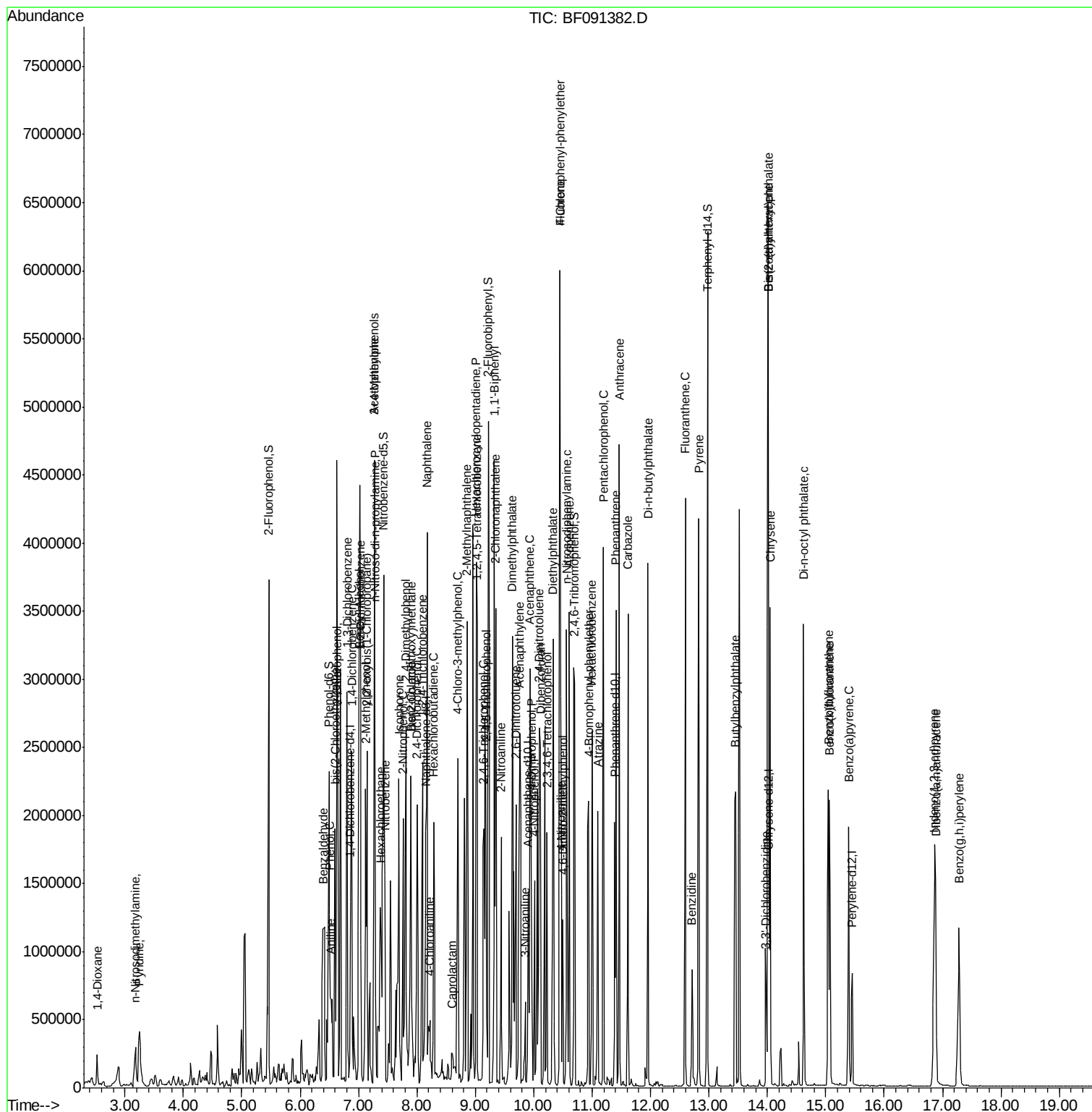
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Data Path : Z:\HPCHEM1\BNA F\DATA\BF120116\  
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Operator  : UM/SJ  
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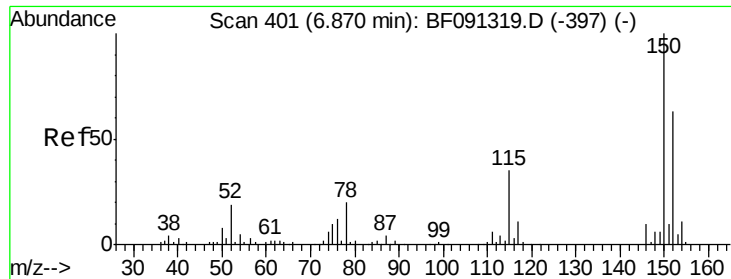
Instrument :
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Manual Integrations APPROVED

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#1

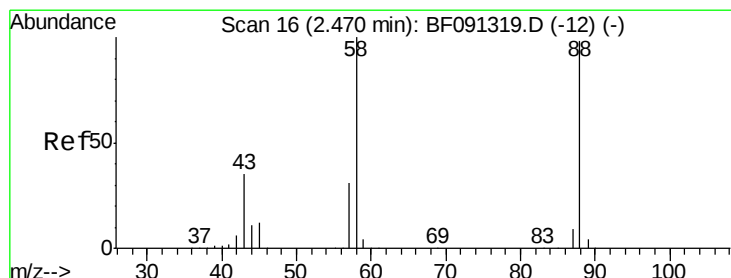
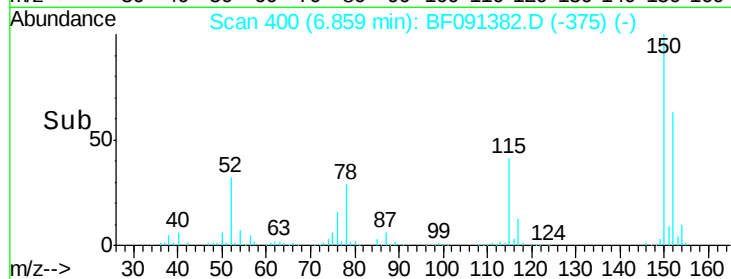
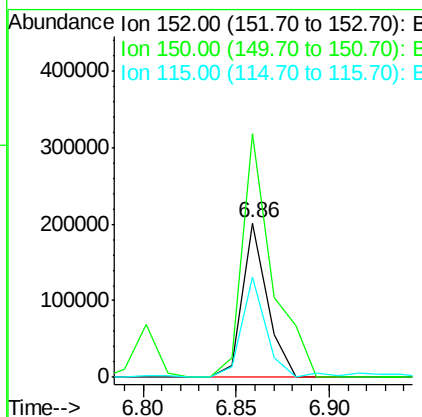
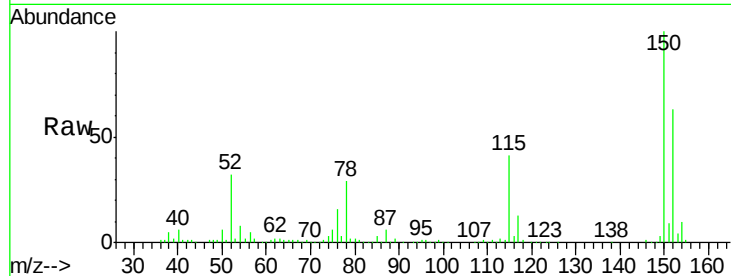
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 400
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	122.5	183.7
115	64.9	51.8	77.8

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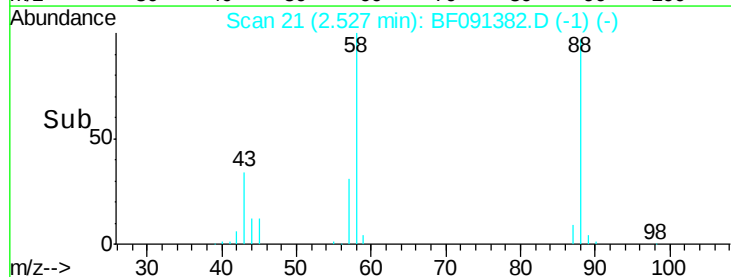
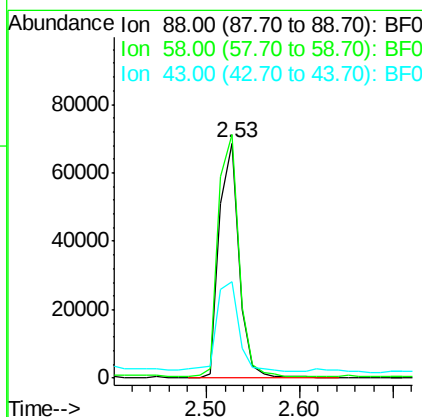
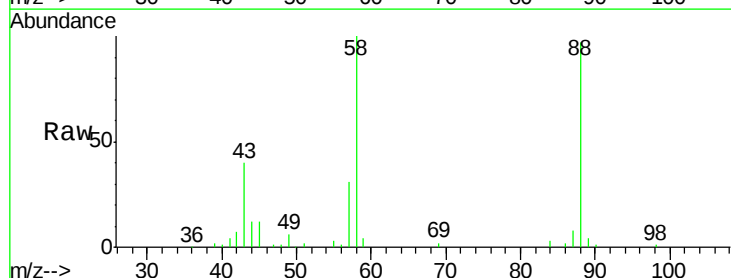
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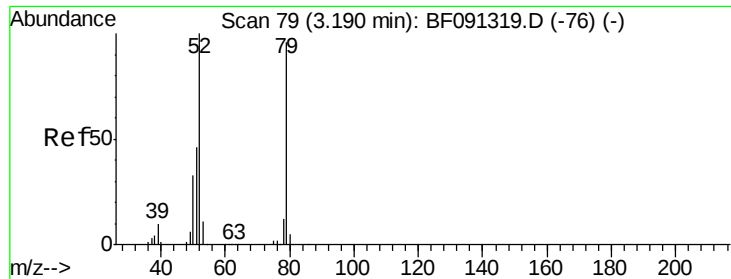


#2

1,4-Dioxane
Concen: 19.55 ng
RT: 2.53 min Scan# 21
Delta R.T. 0.03 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	106.1	70.3	105.5#
43	43.3	31.3	46.9





#3

Pvridine

Concen: 17.09 ng

RT: 3.25 min Scan# 84

Delta R.T. 0.03 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Instrument :

BNA_F

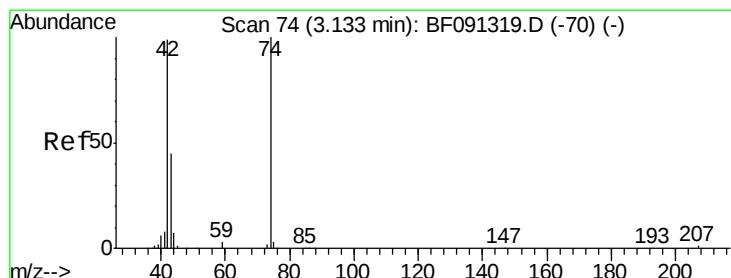
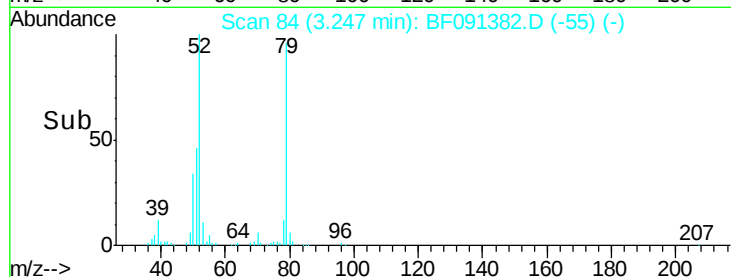
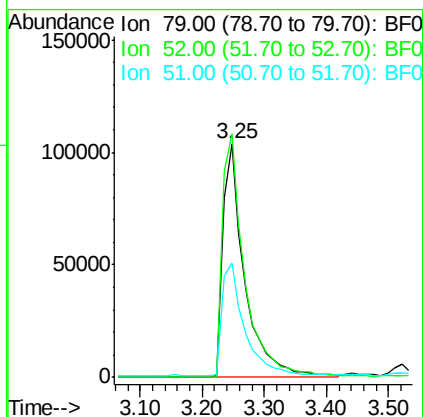
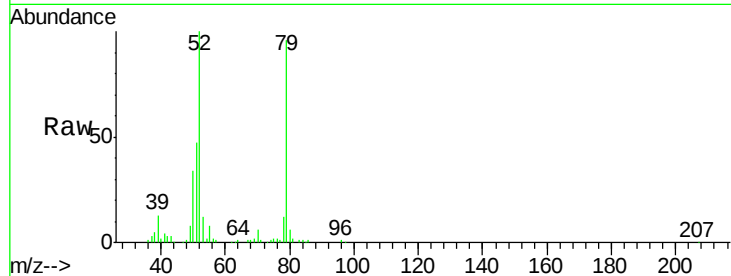
ClientSampleId :

PMW-1A-112916MSD

Tot Ion:	79	Resp:	250816
Ion	Ratio	Lower	Upper
79	100		
52	104.2	71.0	106.4
51	48.9	37.0	55.4

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#4

n-Nitrosodimethylamine

Concen: 22.96 ng

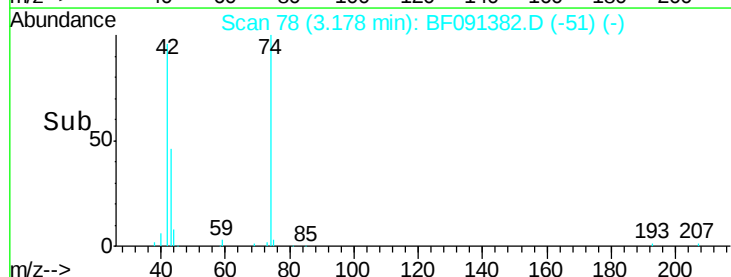
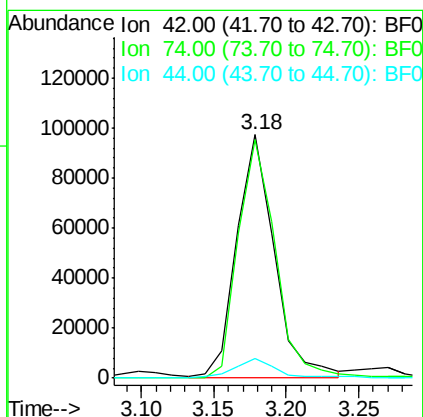
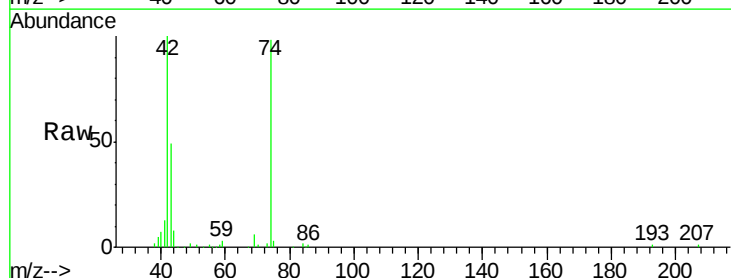
RT: 3.18 min Scan# 78

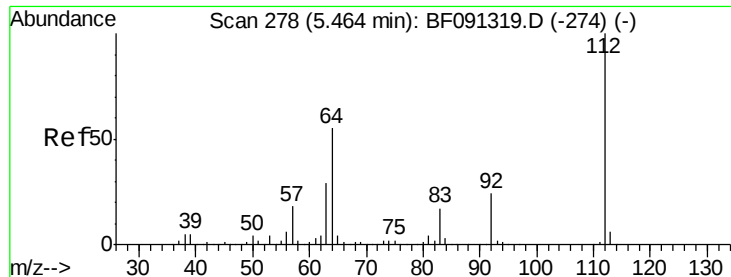
Delta R.T. 0.01 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Tgt Ion:	42	Resp:	176798
Ion	Ratio	Lower	Upper
42	100		
74	97.8	78.9	118.3
44	8.0	5.8	8.6





#5

2-Fluorophenol

Concen: 77.78 ng

RT: 5.46 min Scan# 278

Delta R.T. -0.00 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Instrument :

BNA_F

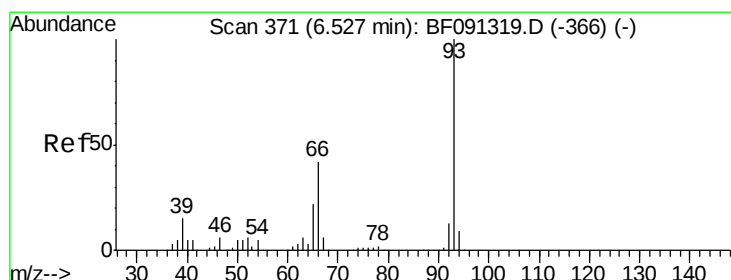
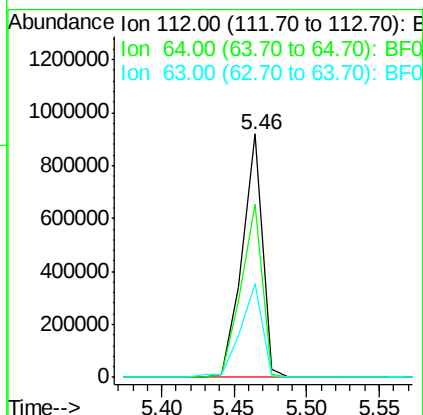
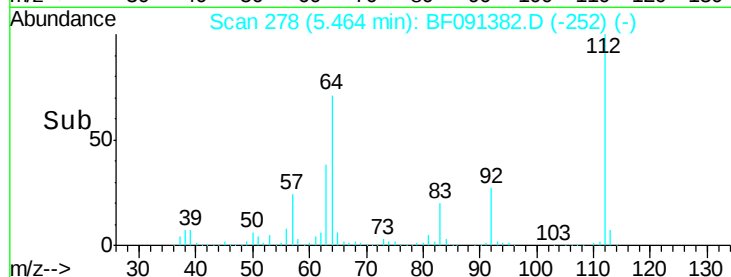
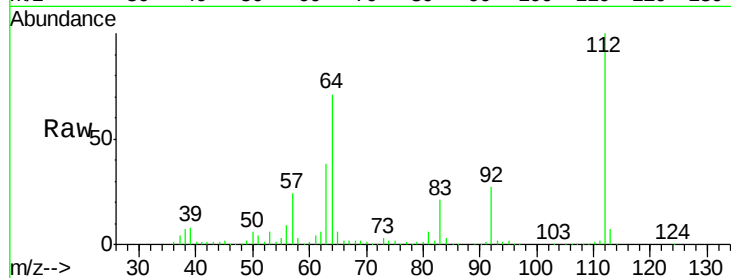
ClientSampleId :

PMW-1A-112916MSD

Tot Ion:	112	Resp:	891624
Ion Ratio	Lower	Upper	
112	100		
64	71.3	61.5	92.3
63	38.5	33.3	49.9

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#6

Aniline

Concen: 17.77 ng

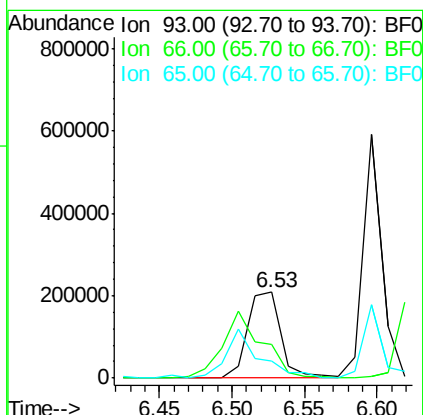
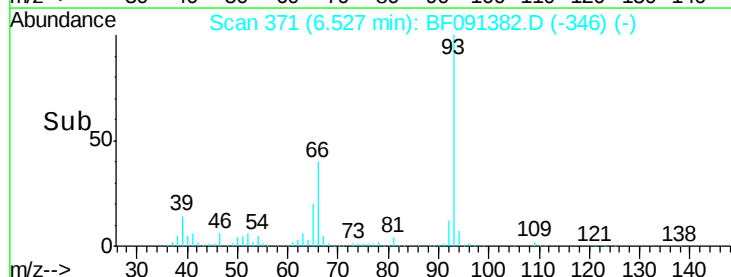
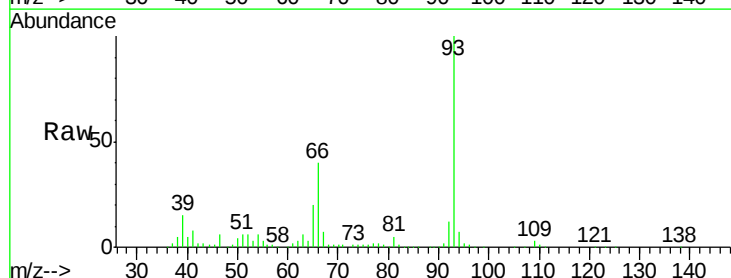
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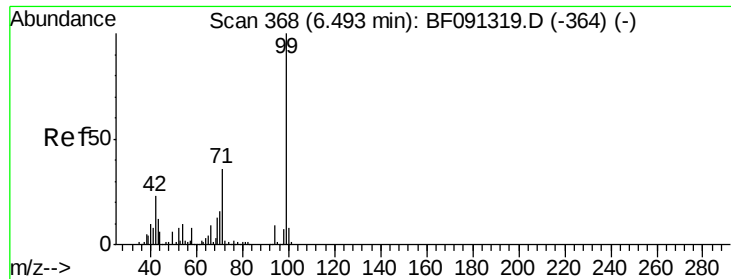
Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Tgt Ion:	93	Resp:	333105
Ion Ratio	Lower	Upper	
93	100		
66	39.5	55.8	83.6#
65	20.4	29.9	44.9#





#7

Phenol-d6

Concen: 55.73 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Instrument :

BNA_F

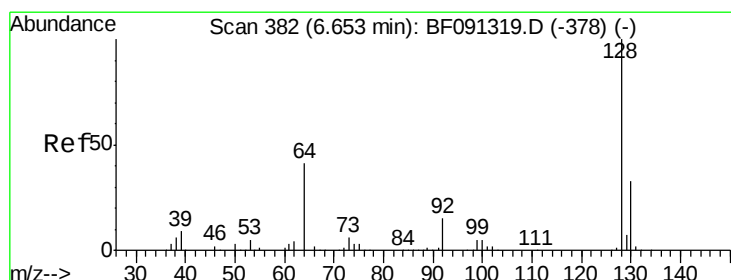
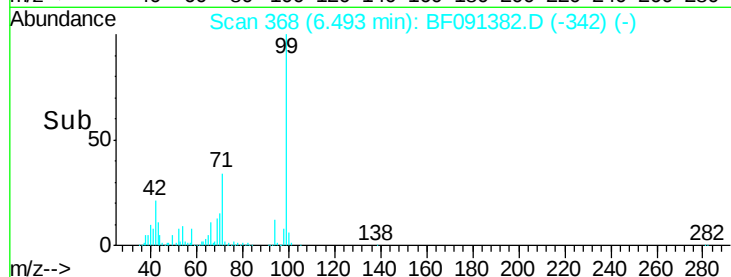
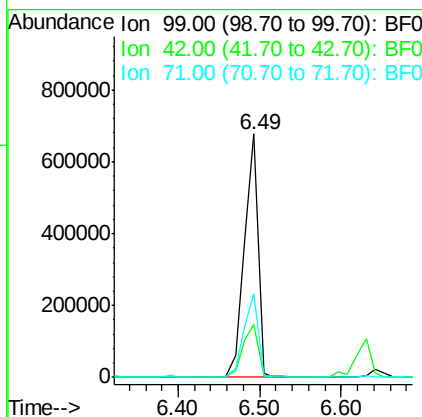
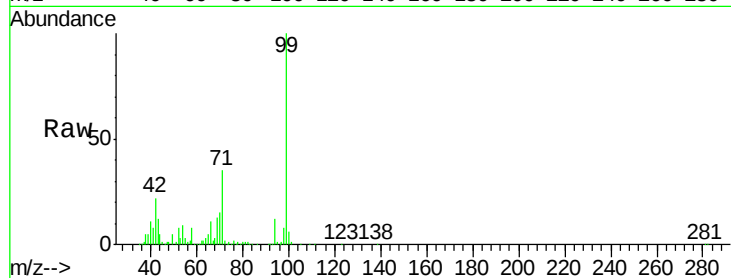
ClientSampleId :

PMW-1A-112916MSD

Tot Ion:	99	Resp:	786438
Ion Ratio	Lower	Upper	
99	100		
42	21.6	20.6	31.0
71	34.6	29.9	44.9

Manual Integrations
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#8

2-Chlorophenol

Concen: 38.83 ng

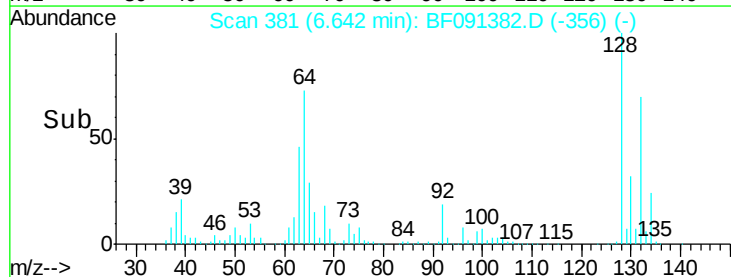
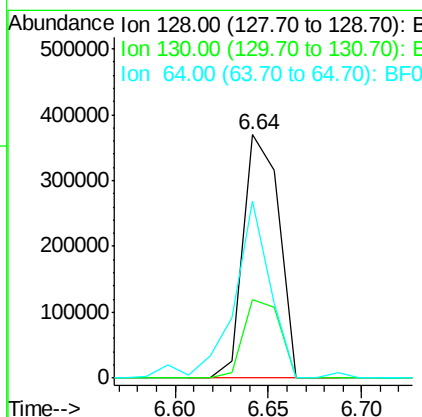
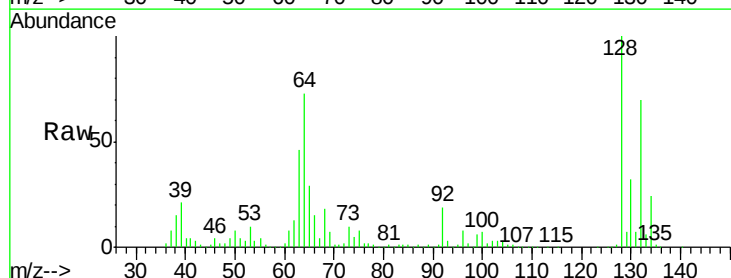
RT: 6.64 min Scan# 381

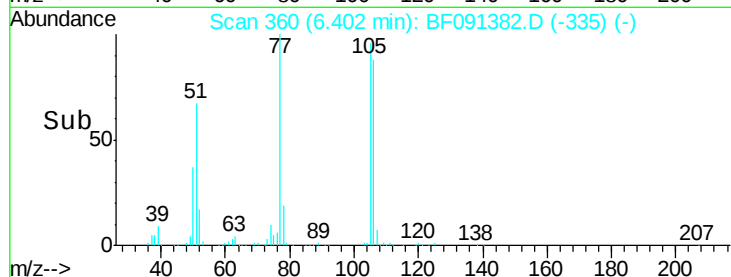
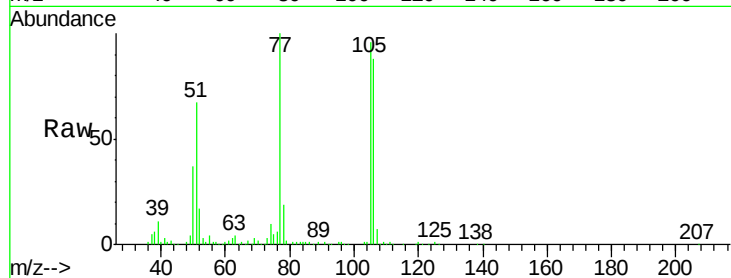
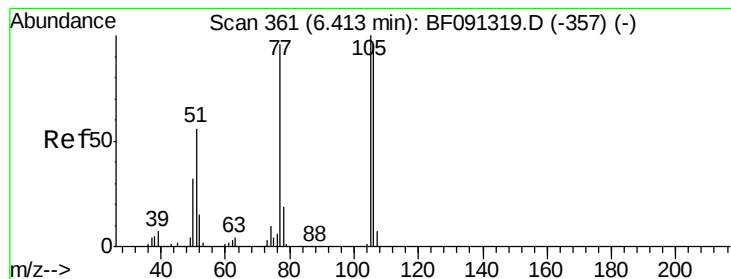
Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Tgt Ion:	128	Resp:	488005
Ion Ratio	Lower	Upper	
128	100		
130	32.5	13.1	53.1
64	72.8	24.1	64.1#





#9

Benzaldehyde

Concen: 30.97 ng

RT: 6.40 min Scan# 360

Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Tot Ion:	77	Resp:	281079
Ion Ratio	Lower	Upper	
77	100		
105	95.7	66.4	106.4
106	88.0	60.9	100.9

Instrument :

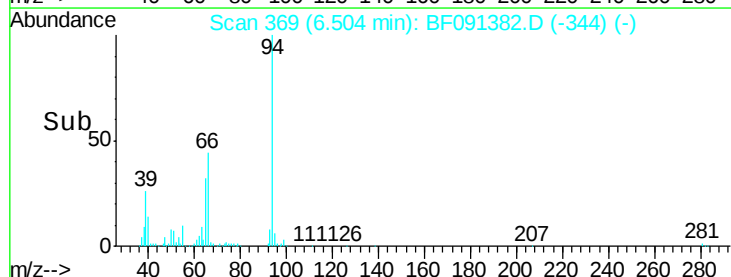
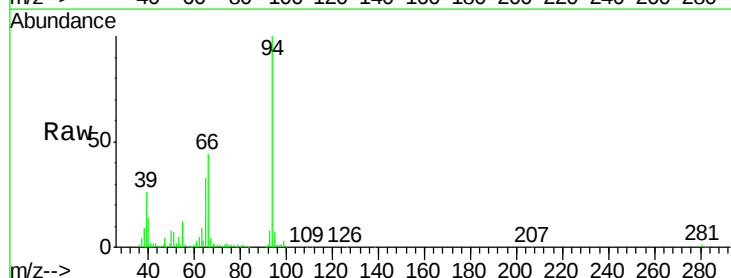
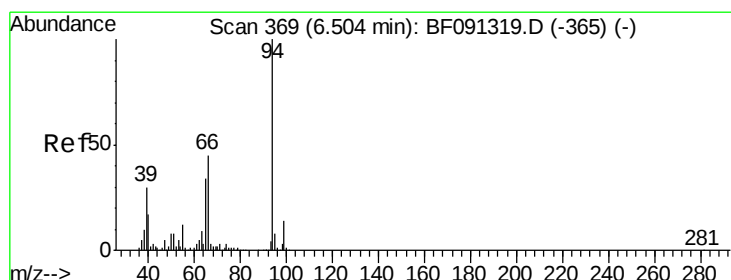
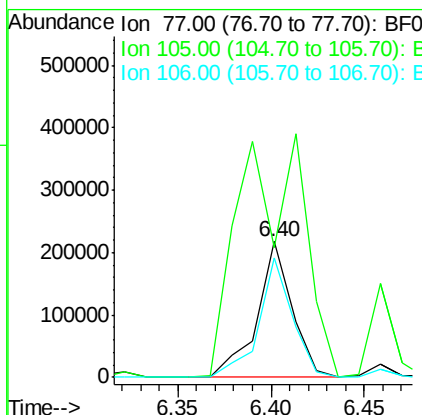
BNA_F

ClientSampleId :

PMW-1A-112916MSD

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#10

Phenol

Concen: 20.51 ng

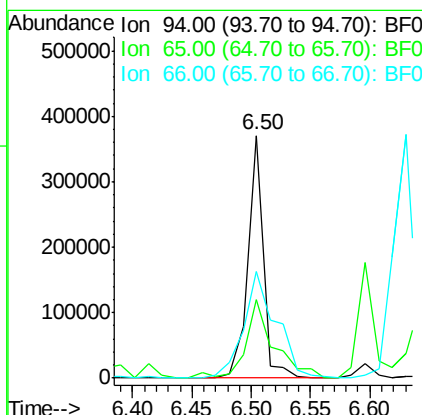
RT: 6.50 min Scan# 369

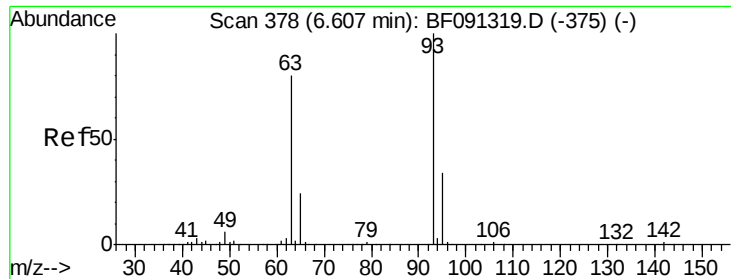
Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Tgt Ion:	94	Resp:	340515
Ion Ratio	Lower	Upper	
94	100		
65	32.5	16.9	56.9
66	44.0	30.6	70.6





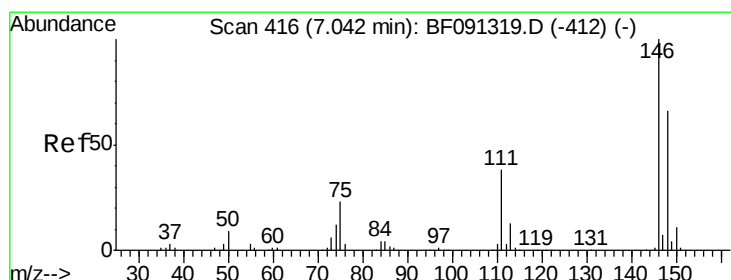
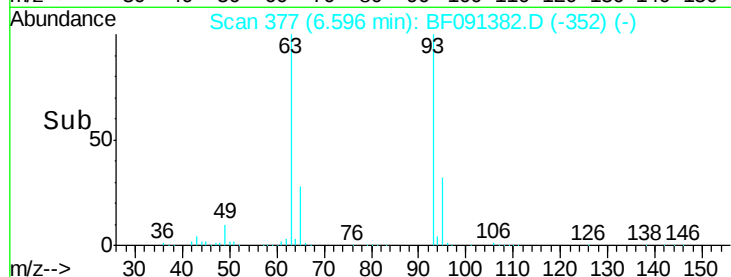
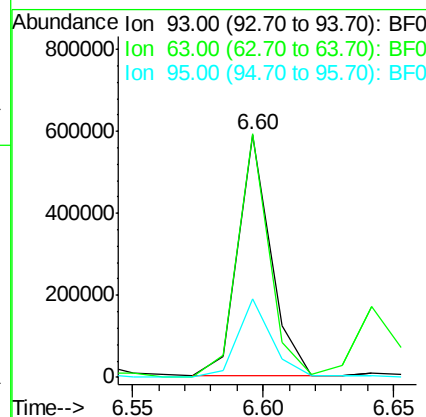
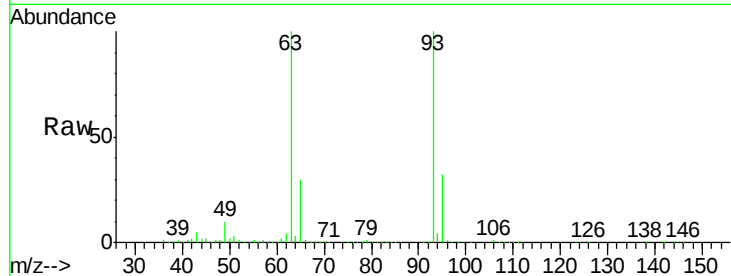
#11
bis(2-Chloroethyl)ether
Concen: 43.77 ng
RT: 6.60 min Scan# 377
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	100.5	74.8	114.8
95	32.6	12.4	52.4

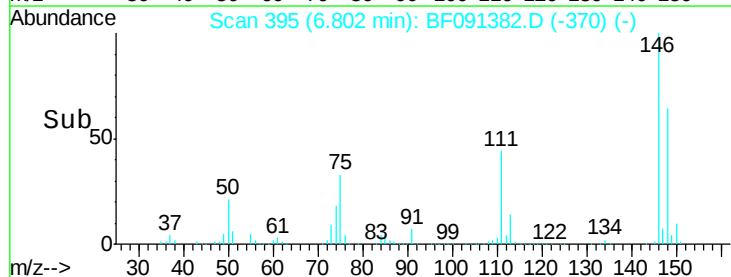
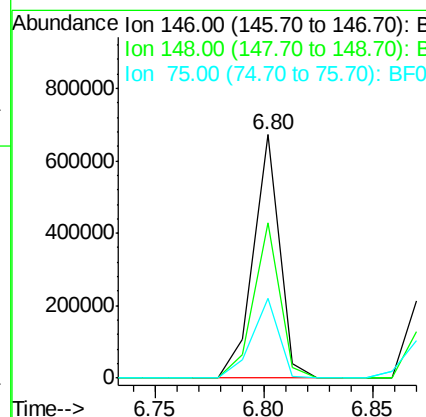
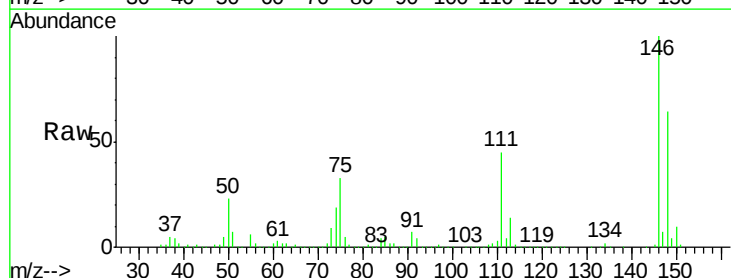
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#12
1,3-Dichlorobenzene
Concen: 40.16 ng
RT: 6.80 min Scan# 395
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.0
75	32.9	23.6	35.4





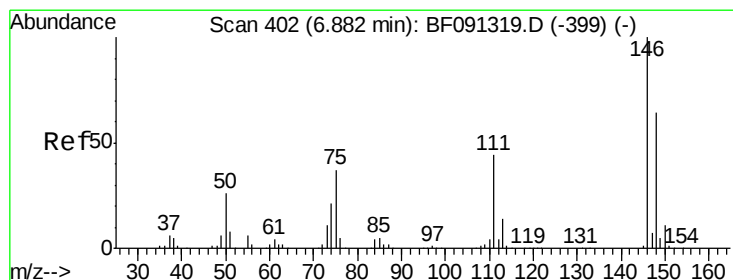
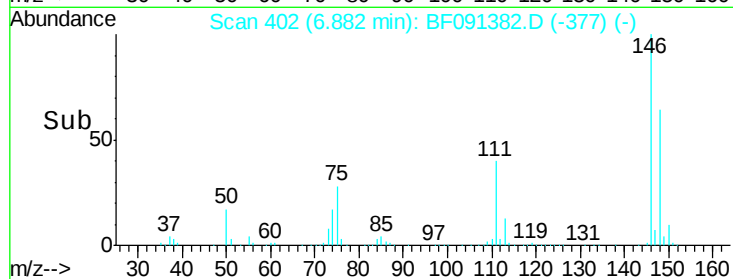
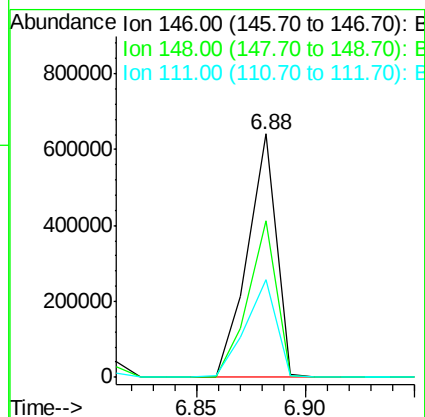
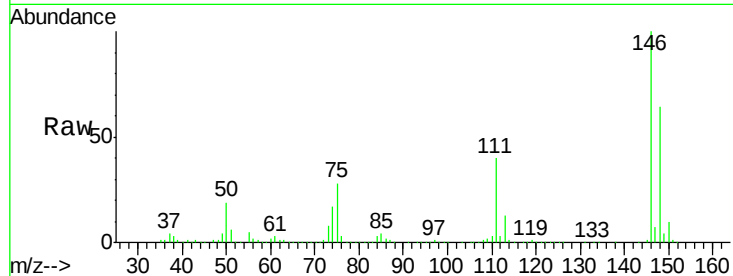
#13
1,4-Dichlorobenzene
Concen: 42.63 ng
RT: 6.88 min Scan# 402
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.0
111	40.0	32.2	48.2

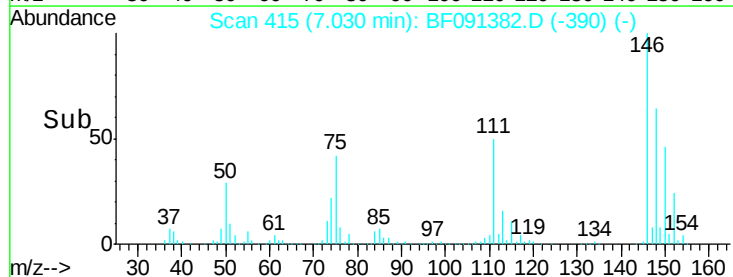
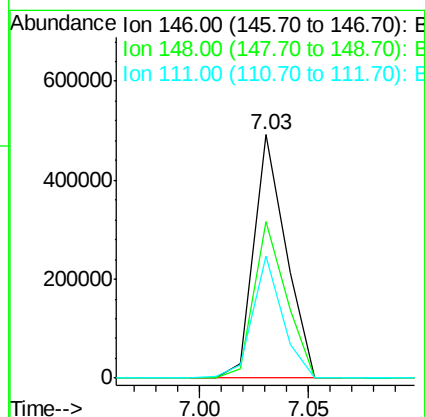
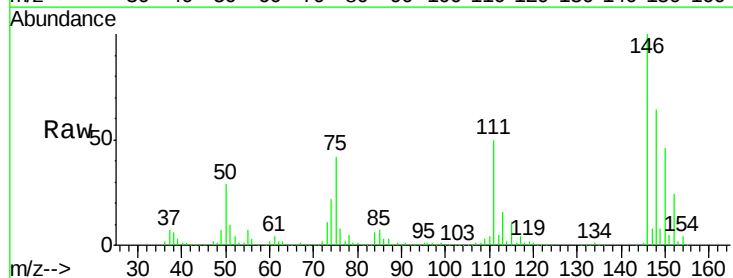
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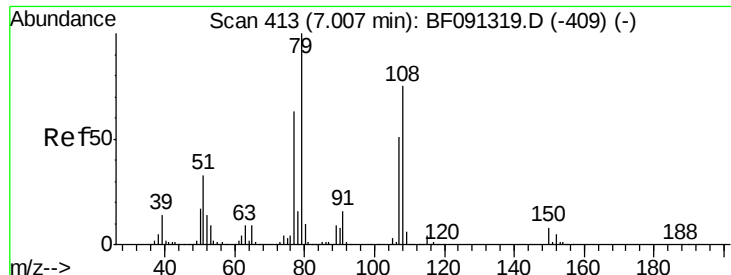
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#14
1,2-Dichlorobenzene
Concen: 38.77 ng
RT: 7.03 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.6
111	50.0	38.9	58.3





#15

Benzyl Alcohol

Concen: 36.95 ng

RT: 7.01 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Instrument :

BNA_F

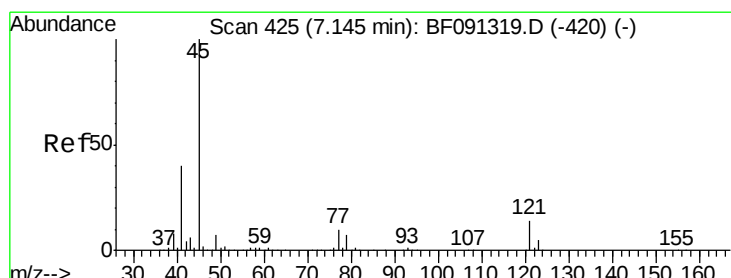
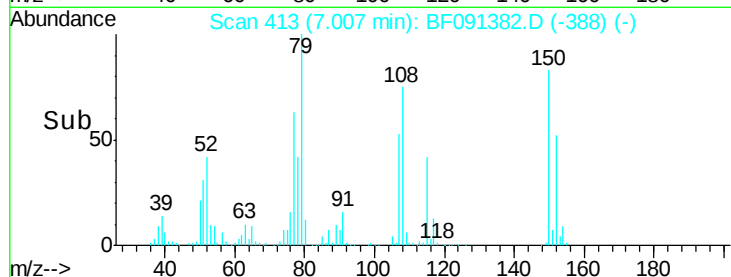
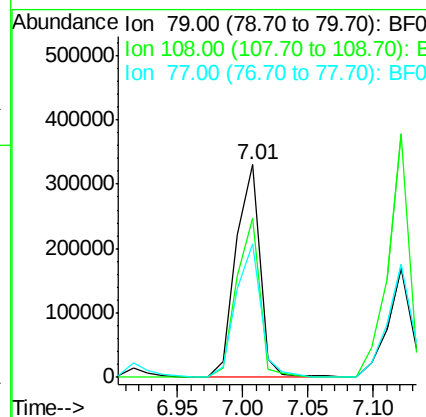
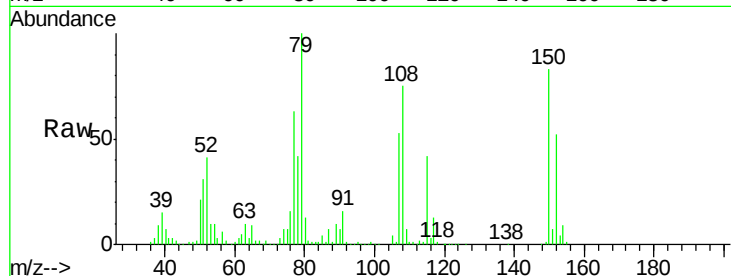
ClientSampleId :

PMW-1A-112916MSD

Tot Ion:	79	Resp:	417235
Ion Ratio	Lower	Upper	
79	100		
108	74.6	62.7	94.1
77	63.0	51.7	77.5

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#16

2,2'-oxybis(1-chloropropane)

Concen: 43.19 ng

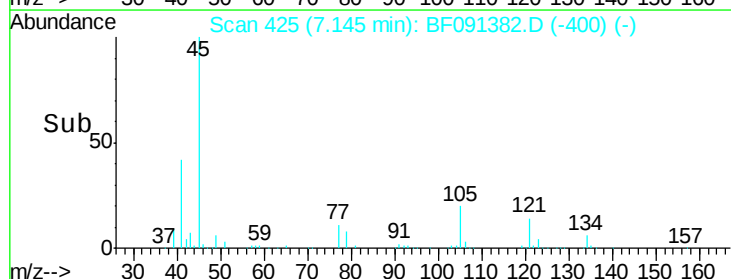
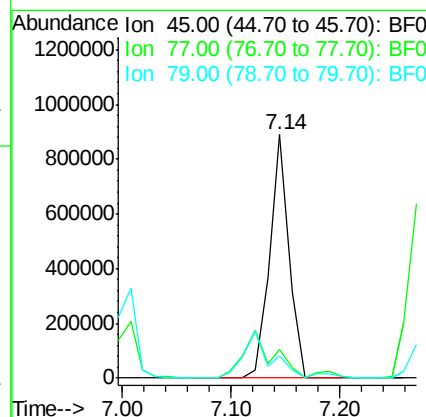
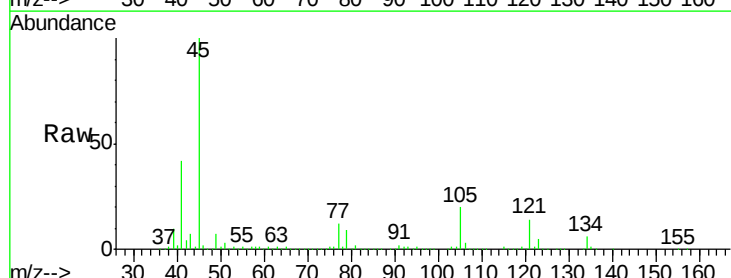
RT: 7.14 min Scan# 425

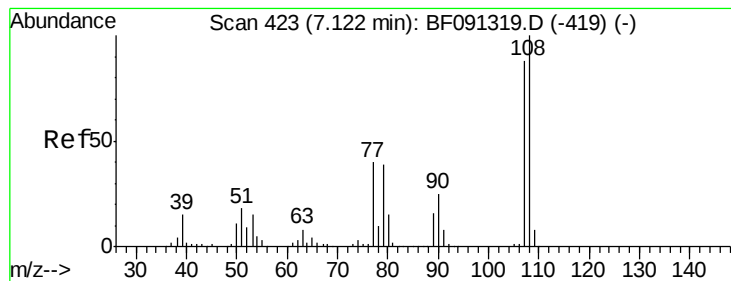
Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Tgt Ion:	45	Resp:	1101712
Ion Ratio	Lower	Upper	
45	100		
77	12.0	3.8	43.8
79	9.3	0.2	40.2





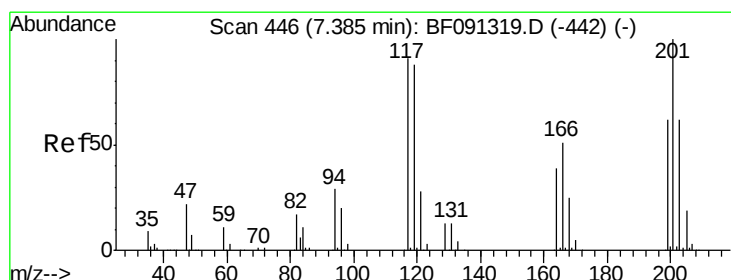
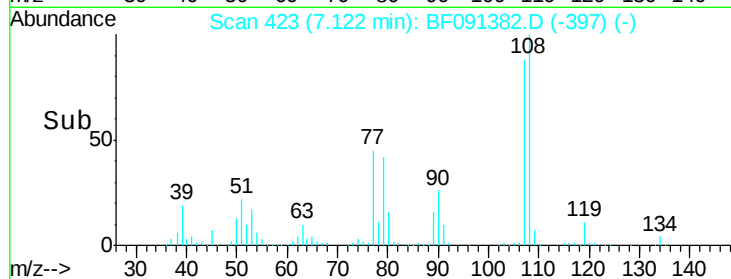
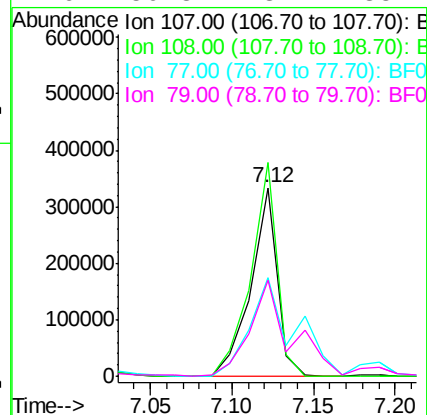
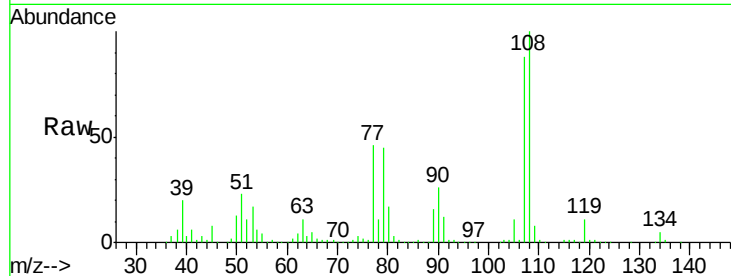
#17
2-Methylphenol
Concen: 37.51 ng
RT: 7.12 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	113.3	67.7	101.5#
77	52.5	40.7	61.1
79	50.8	23.4	35.2#

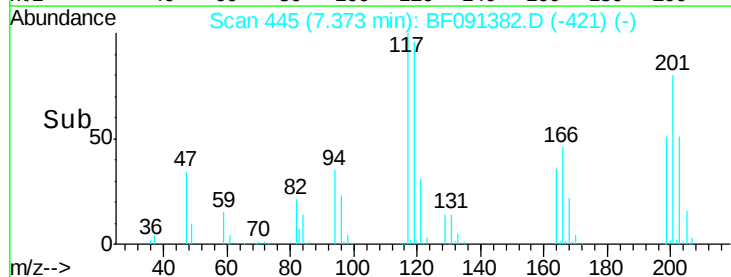
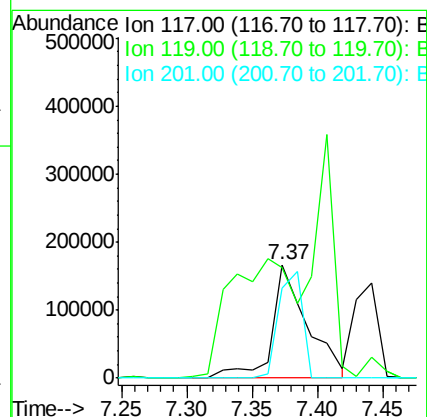
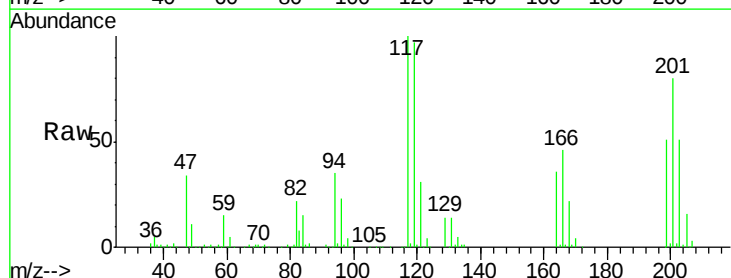
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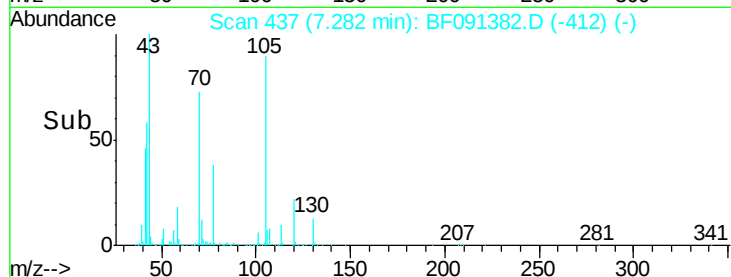
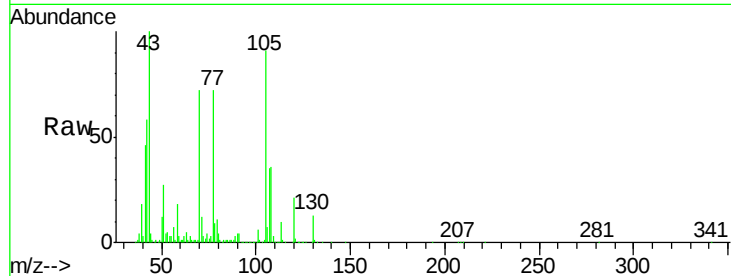
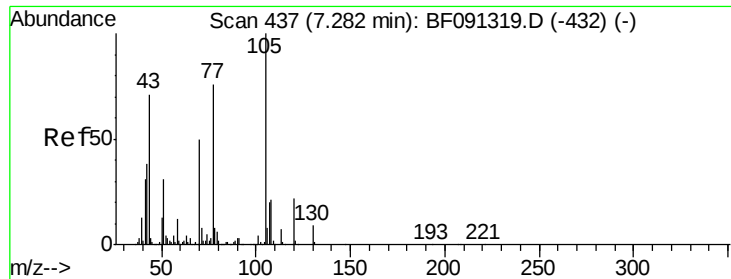
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#18
Hexachloroethane
Concen: 64.55 ng
RT: 7.37 min Scan# 445
Delta R.T. -0.03 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
119	97.2	78.6	118.0
201	79.5	86.7	130.1#





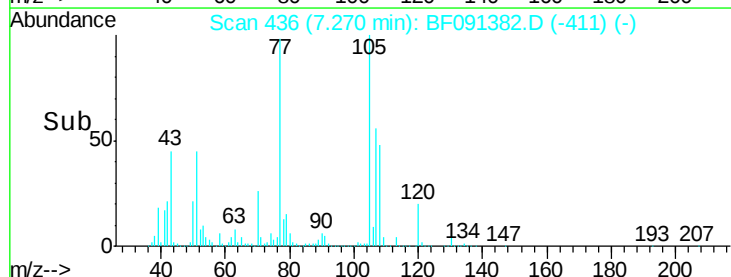
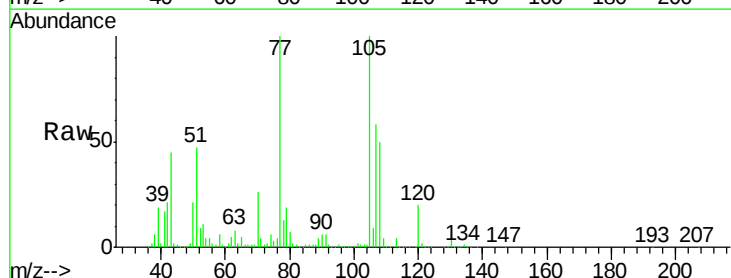
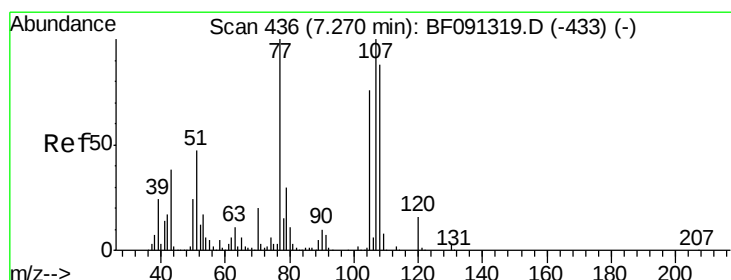
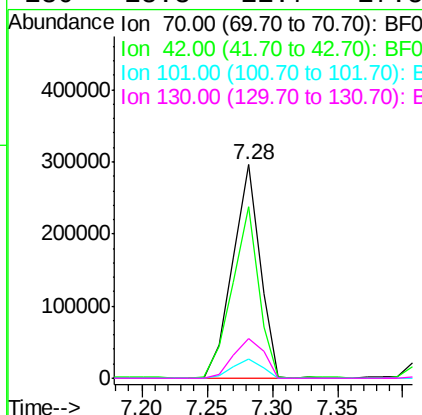
#19
n-Nitroso-di-n-propylamine
Concen: 48.29 ng
RT: 7.28 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	80.6	64.8	97.2
101	8.8	6.2	9.4
130	18.3	11.7	17.5#

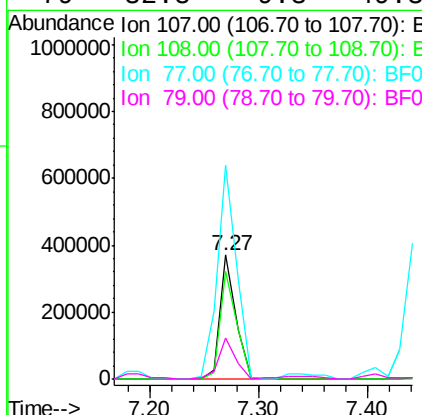
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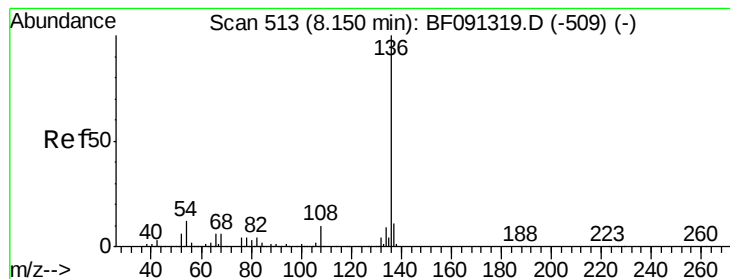
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#20
3+4-Methylphenols
Concen: 31.10 ng
RT: 7.27 min Scan# 436
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.4	64.6	104.6
77	172.1	30.9	70.9#
79	32.8	9.3	49.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Instrument :

BNA_F

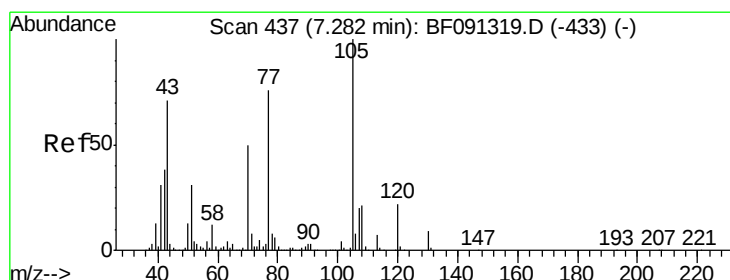
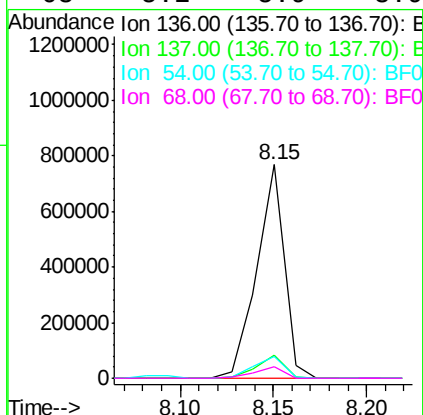
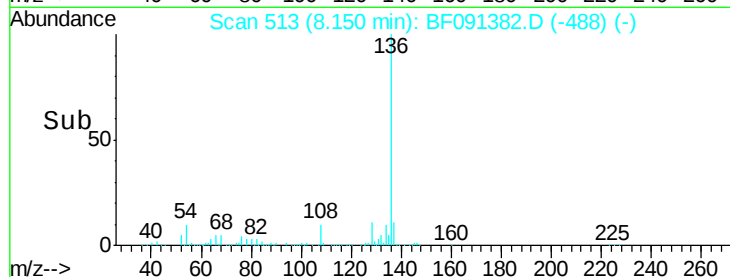
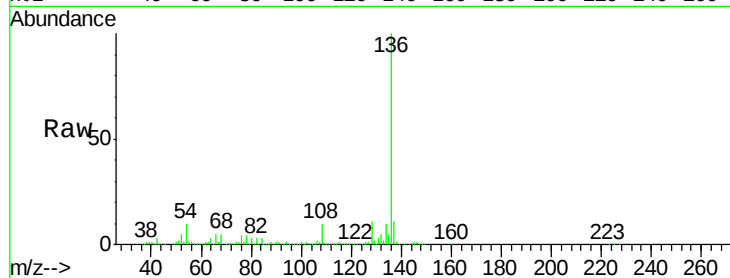
ClientSampleId :

PMW-1A-112916MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	782237		
137	10.7	9.1	13.7	
54	10.5	9.1	13.7	
68	5.2	5.9	8.9#	

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#22

Acetophenone

Concen: 50.34 ng

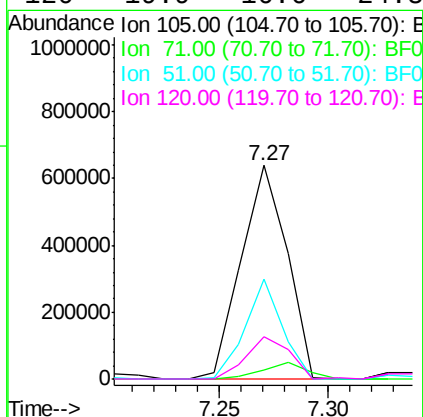
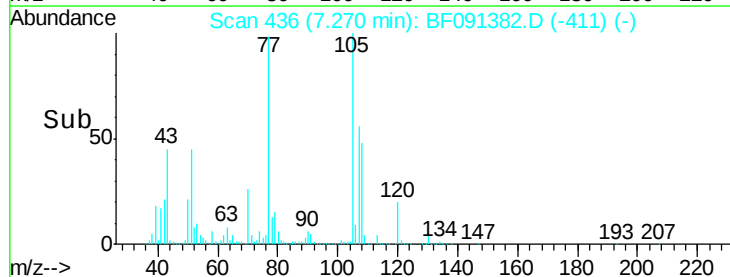
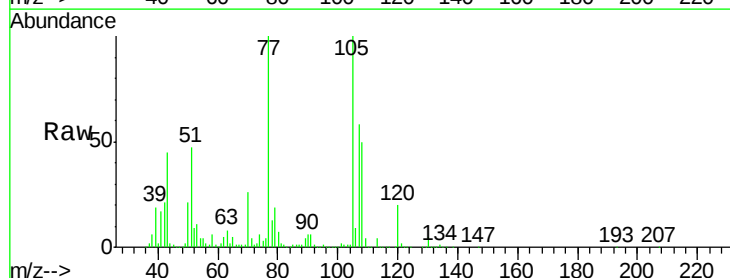
RT: 7.27 min Scan# 436

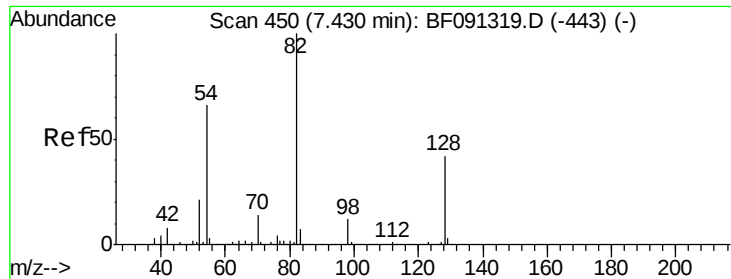
Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	933350		
71	4.4	7.9	11.9#	
51	46.7	24.5	36.7#	
120	19.9	16.6	24.8	





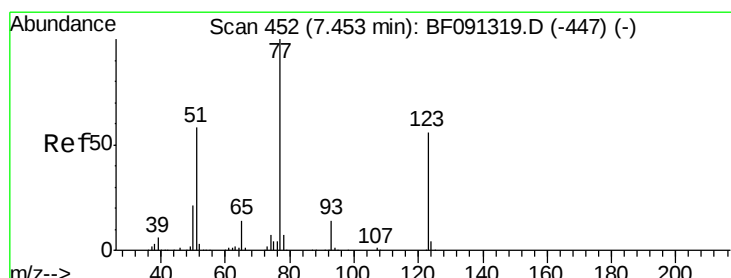
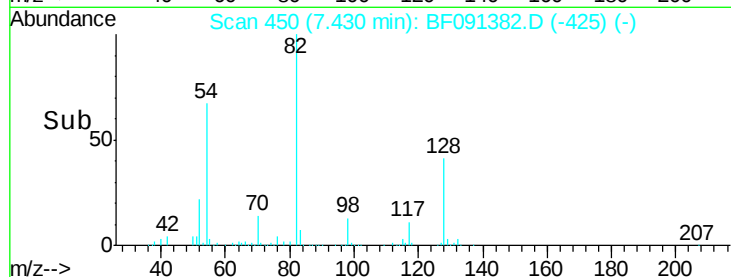
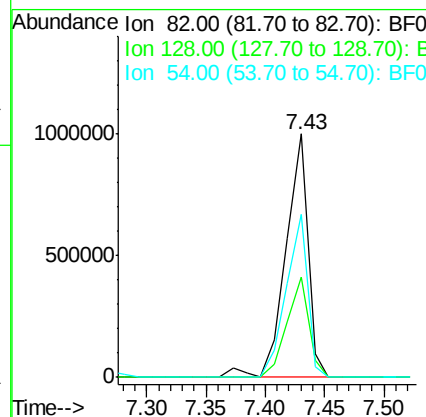
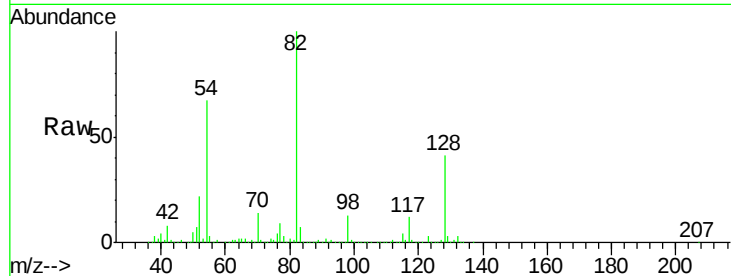
#23
 Nitrobenzene-d5
 Concen: 92.10 ng
 RT: 7.43 min Scan# 450
 Delta R.T. -0.02 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.0	31.8	47.6
54	66.7	49.1	73.7

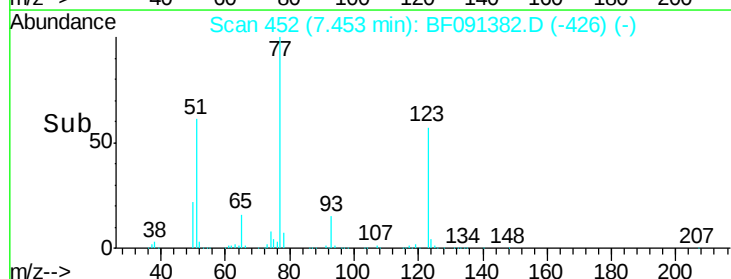
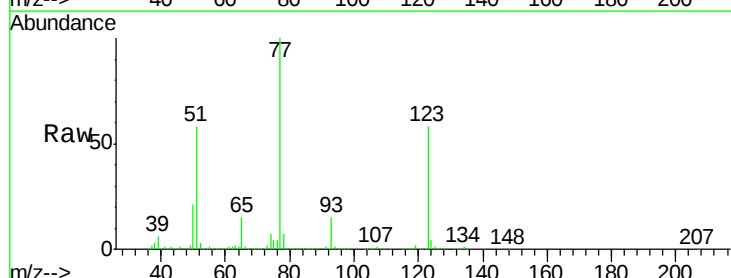
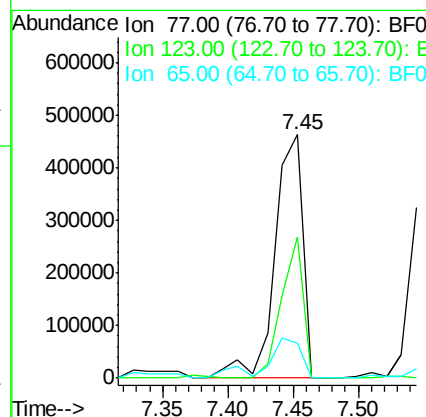
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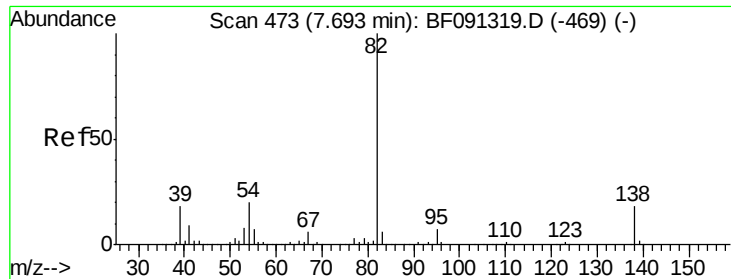
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#24
 Nitrobenzene
 Concen: 48.48 ng
 RT: 7.45 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
77	100		
123	57.9	28.5	42.7#
65	14.5	12.5	18.7





#25

Isophorone

Concen: 50.19 ng

RT: 7.69 min Scan# 473

Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Instrument :

BNA_F

ClientSampleId :

PMW-1A-112916MSD

Tot Ion: 82 Resp: 1241077

Ion Ratio Lower Upper

82 100

95 7.7 5.7 8.5

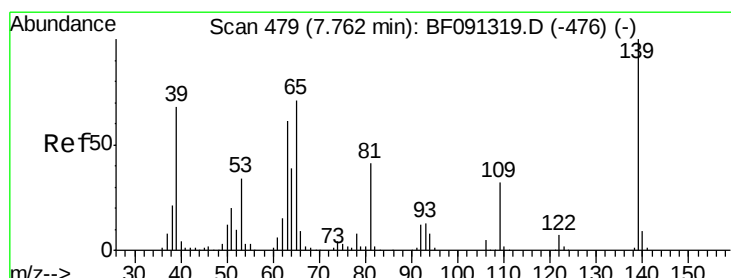
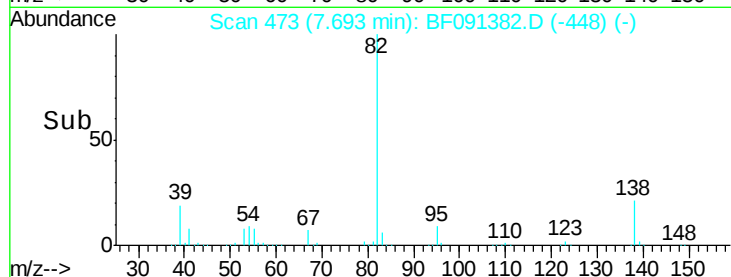
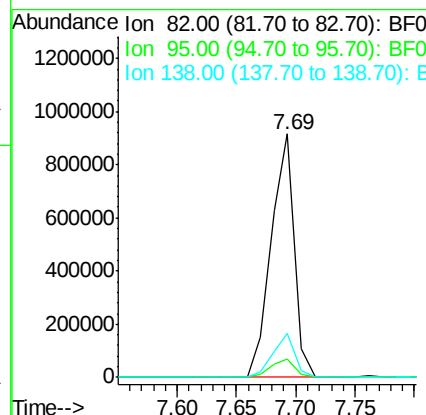
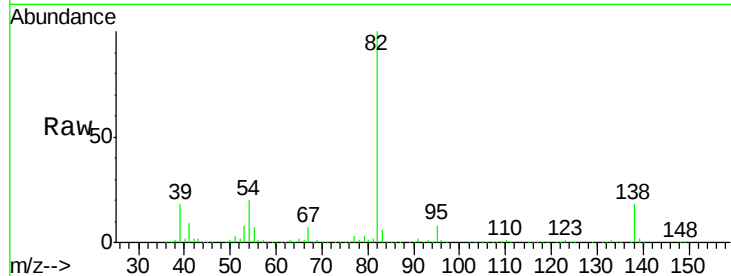
138 17.9 13.4 20.0

Manual Integrations

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#26

2-Nitrophenol

Concen: 45.09 ng

RT: 7.76 min Scan# 479

Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

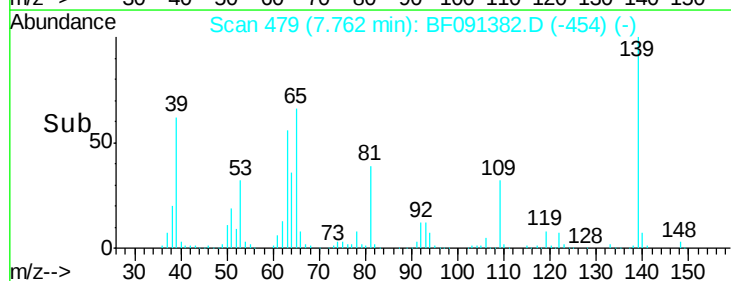
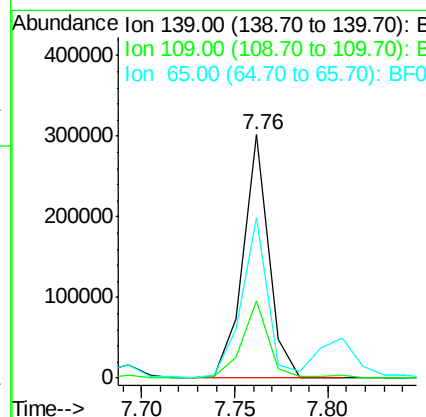
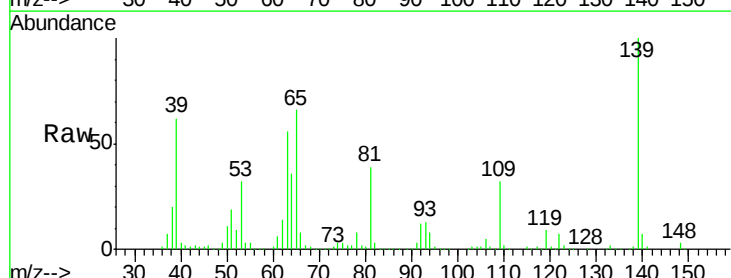
Tgt Ion: 139 Resp: 293685

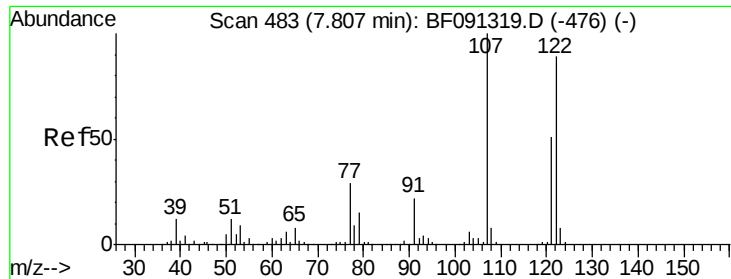
Ion Ratio Lower Upper

139 100

109 31.9 25.3 37.9

65 66.0 55.4 83.2





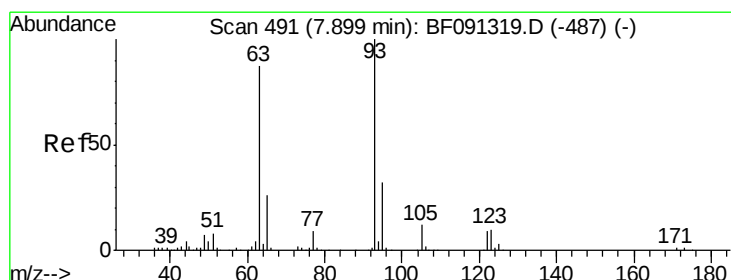
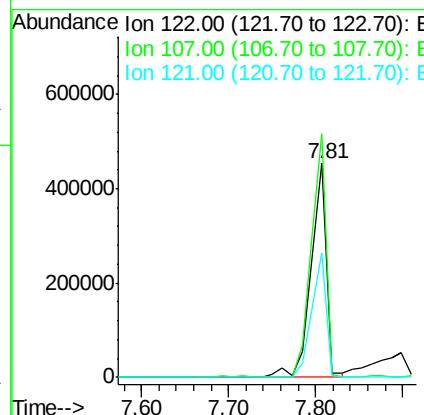
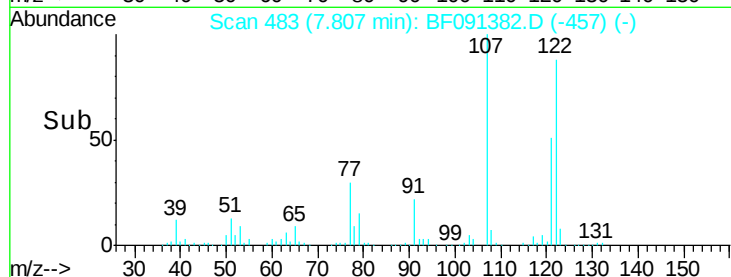
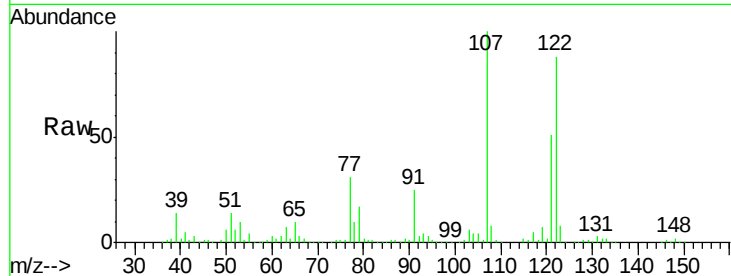
#27
 2,4-Dimethylphenol
 Concen: 45.17 ng
 RT: 7.81 min Scan# 483
 Delta R.T. -0.01 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.9	96.8	145.2
121	58.0	47.7	71.5

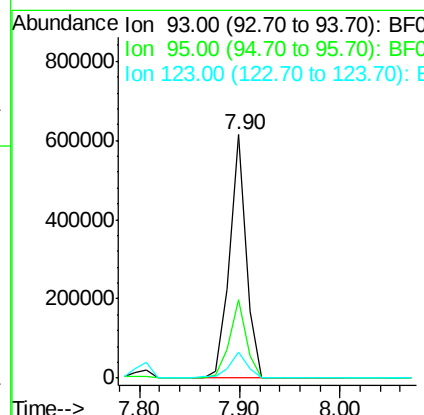
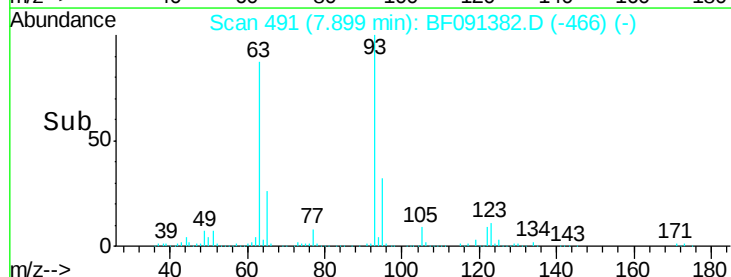
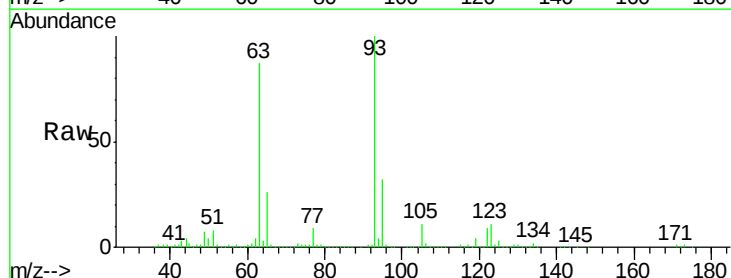
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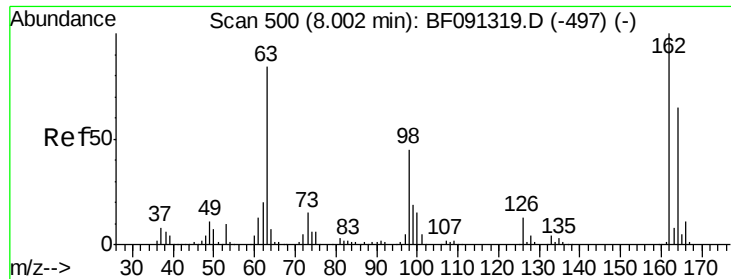
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#28
 bis(2-Chloroethoxy)methane
 Concen: 47.43 ng
 RT: 7.90 min Scan# 491
 Delta R.T. -0.02 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.0	39.0
123	10.8	8.6	12.8





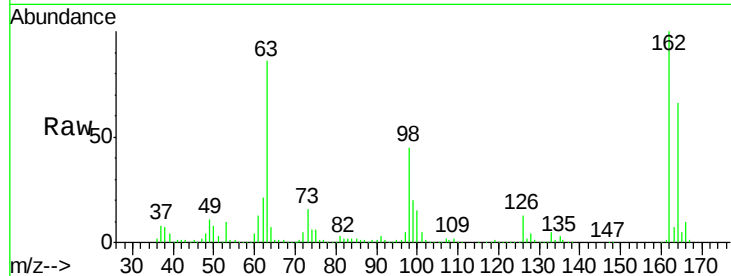
#29
2,4-Dichlorophenol
Concen: 43.99 ng
RT: 8.00 min Scan# 500
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

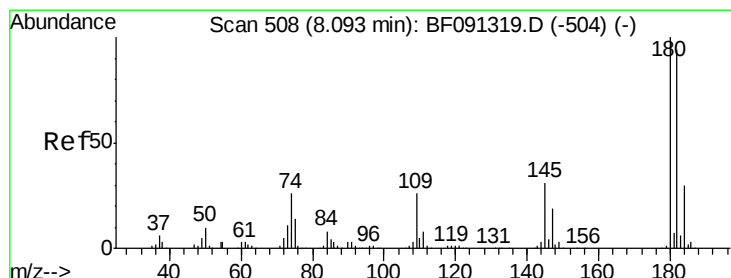
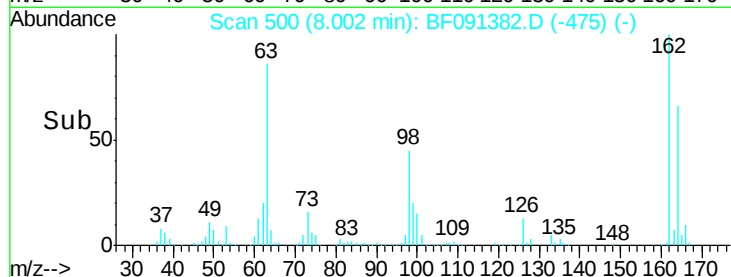
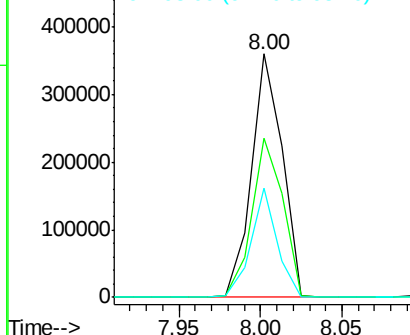
Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		471487		
164	65.6	45.0	85.0		
98	44.9	21.3	61.3		

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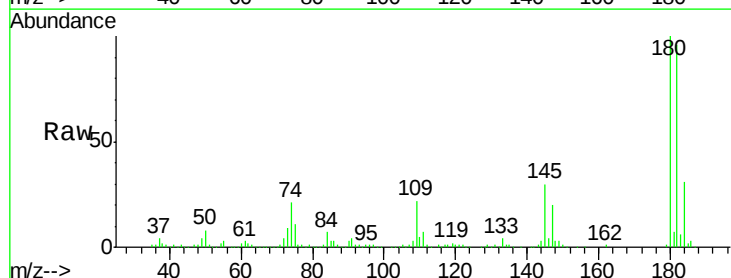


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

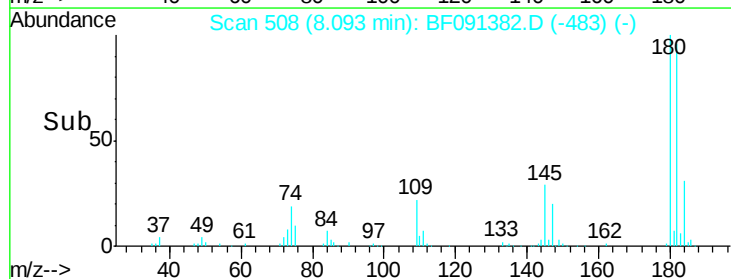
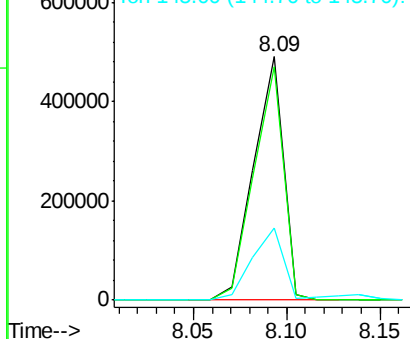


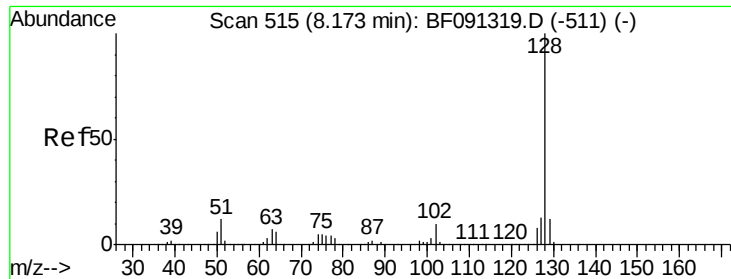
#30
1,2,4-Trichlorobenzene
Concen: 45.09 ng
RT: 8.09 min Scan# 508
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		541766		
182	96.0	75.8	113.8		
145	29.5	27.0	40.4		



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





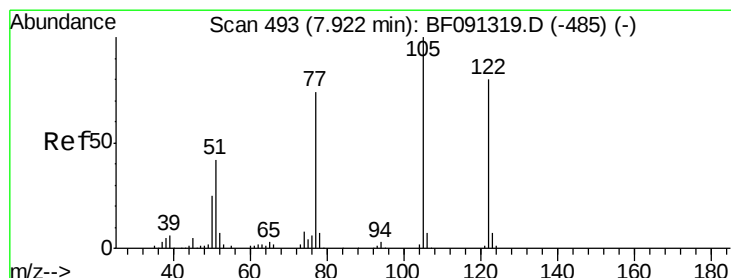
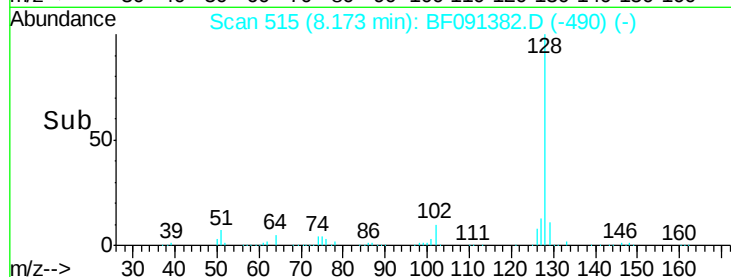
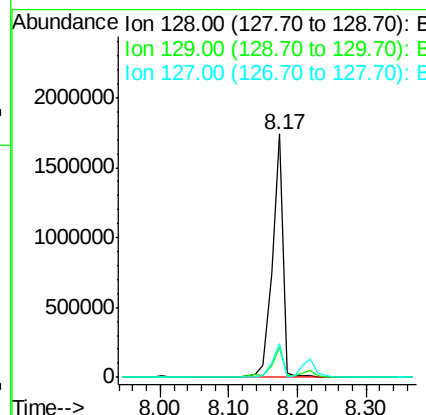
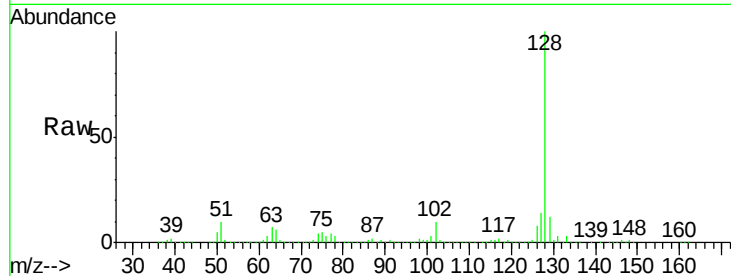
#31
Naphthalene
Concen: 49.70 ng
RT: 8.17 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.1	13.7
127	13.7	11.0	16.4

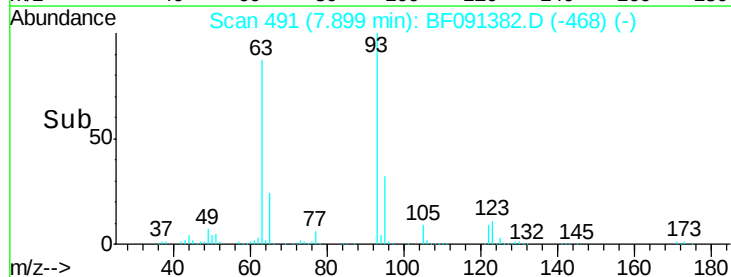
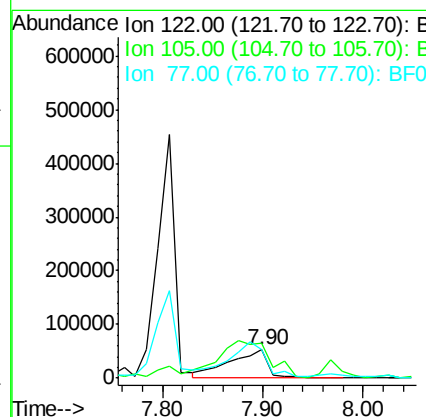
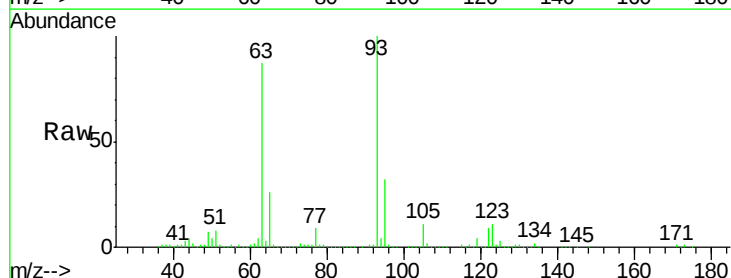
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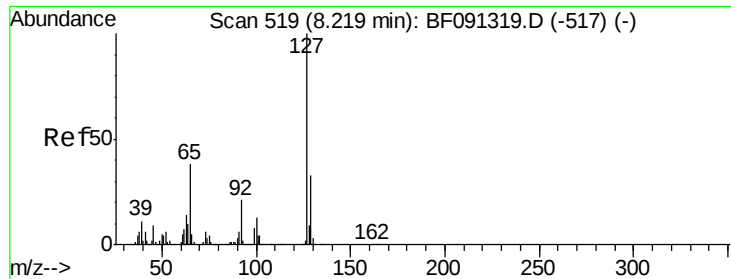
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#32
Benzoic acid
Concen: 15.64 ng
RT: 7.90 min Scan# 491
Delta R.T. -0.04 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
122	100		
105	125.3	113.0	153.0
77	101.3	82.0	122.0





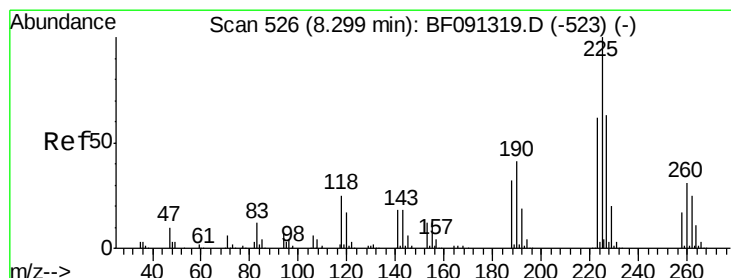
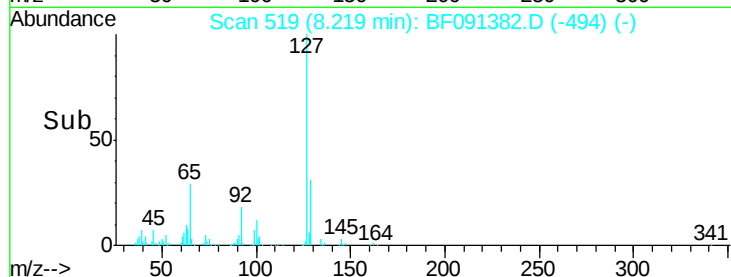
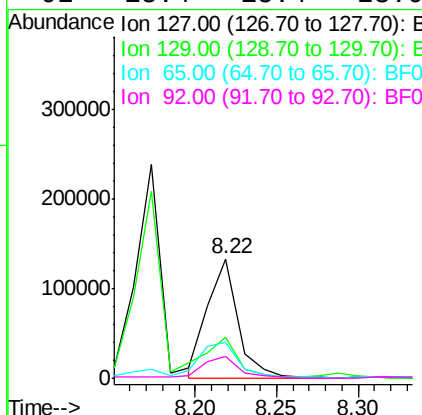
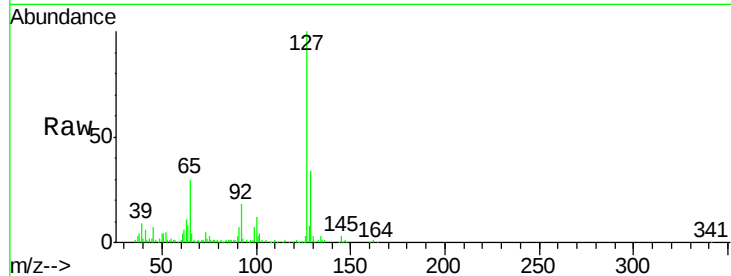
#33
4-Chloroaniline
Concen: 10.98 ng
RT: 8.22 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		174463		
129	34.2	26.2	39.4		
65	30.2	26.6	39.8		
92	18.4	15.4	23.0		

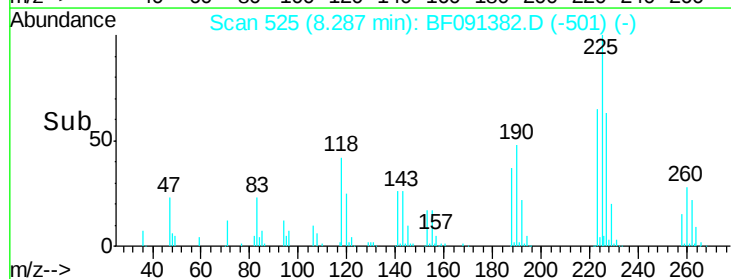
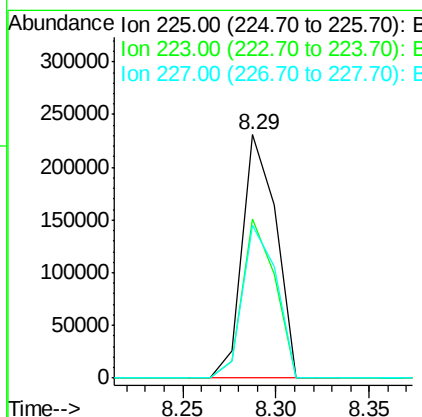
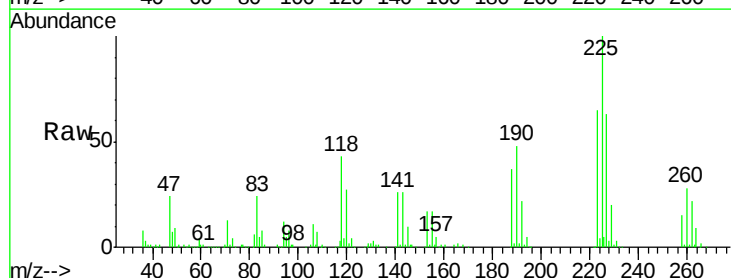
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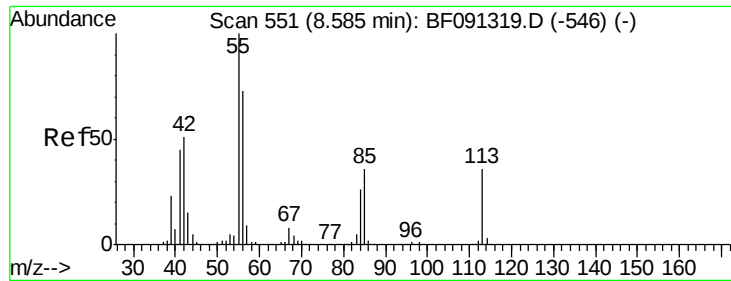
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#34
Hexachlorobutadiene
Concen: 39.11 ng
RT: 8.29 min Scan# 525
Delta R.T. -0.03 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		288998		
223	65.3	49.8	74.6		
227	62.8	52.6	79.0		





#35

Caprolactam

Concen: 10.11 ng

RT: 8.60 min Scan# 552

Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Instrument :

BNA_F

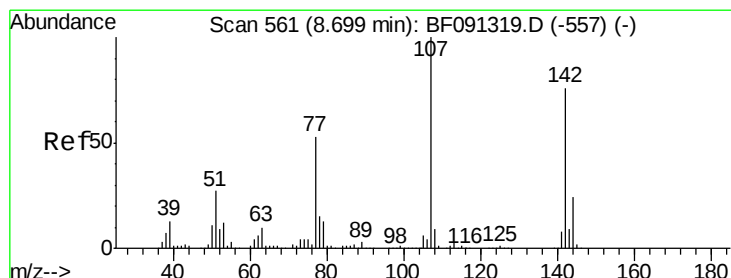
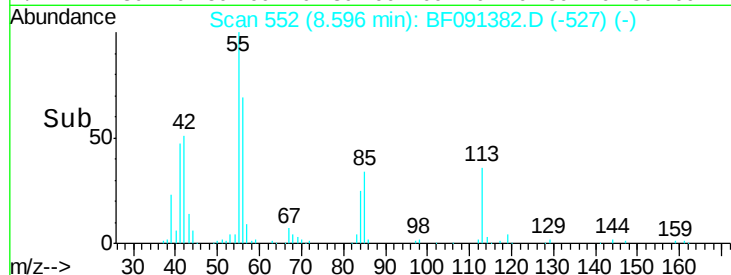
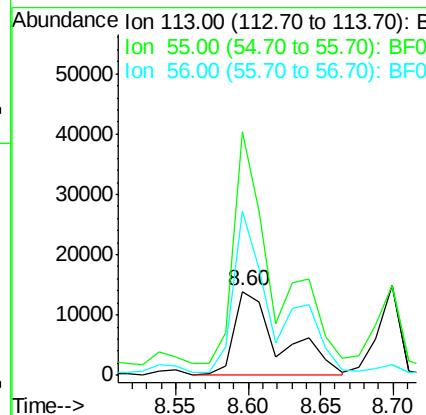
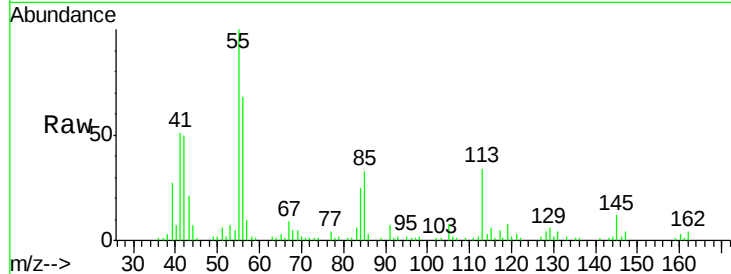
ClientSampleId :

PMW-1A-112916MSD

Tot Ion:113 Resp: 31129
 Ion Ratio Lower Upper
 113 100
 55 289.9 239.8 279.8#
 56 195.9 165.6 205.6

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#36

4-Chloro-3-methylphenol

Concen: 44.43 ng

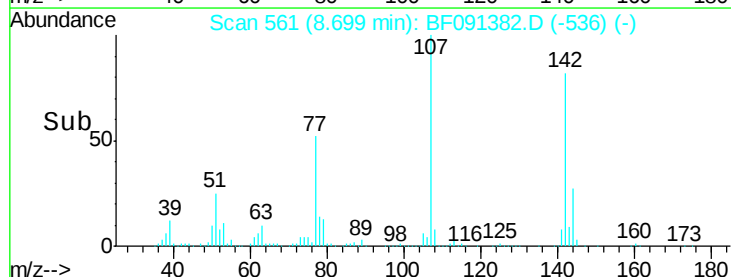
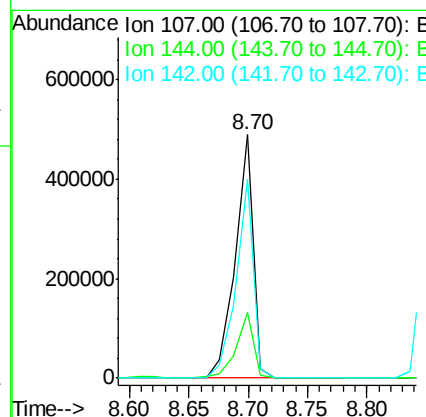
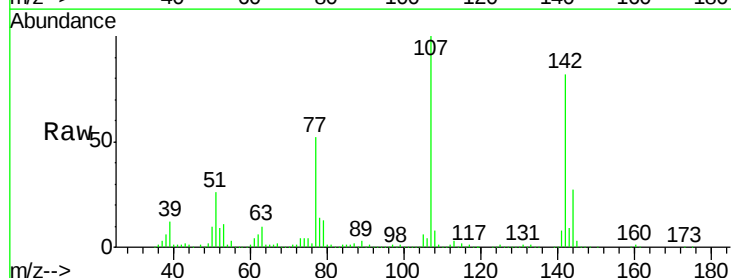
RT: 8.70 min Scan# 561

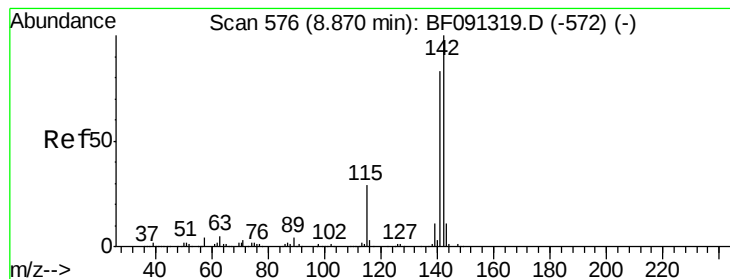
Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Tgt Ion:107 Resp: 514106
 Ion Ratio Lower Upper
 107 100
 144 26.9 18.9 28.3
 142 81.6 58.5 87.7





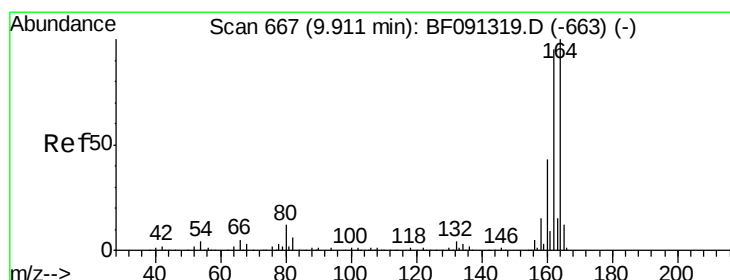
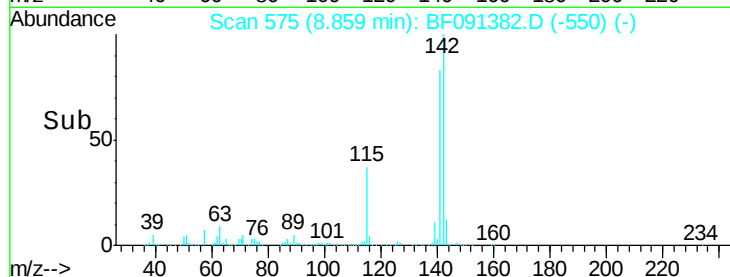
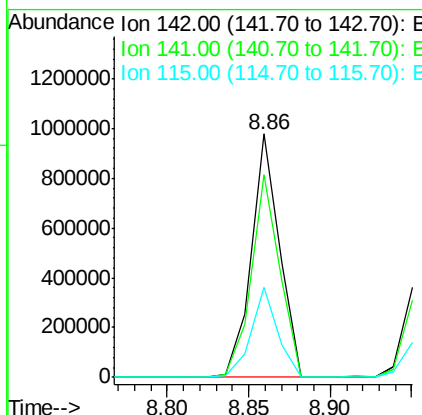
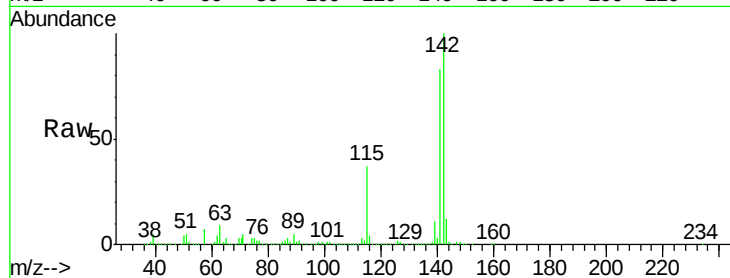
#37
2-Methylnaphthalene
Concen: 46.31 ng
RT: 8.86 min Scan# 575
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.5	71.7	107.5
115	36.9	25.0	37.6

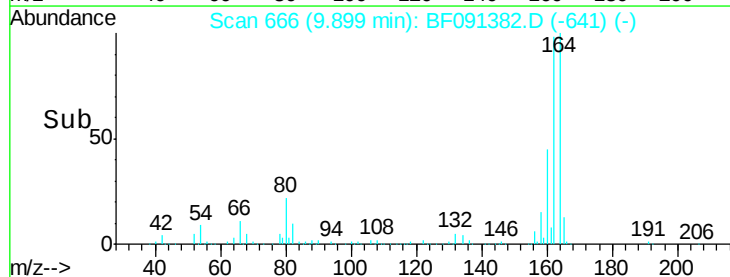
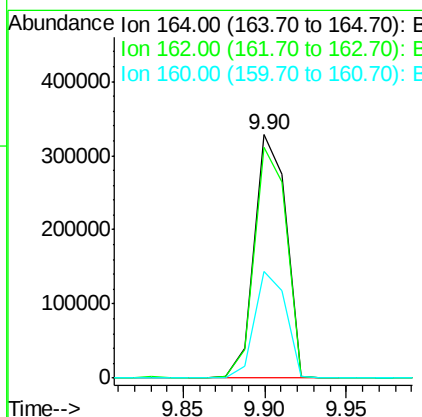
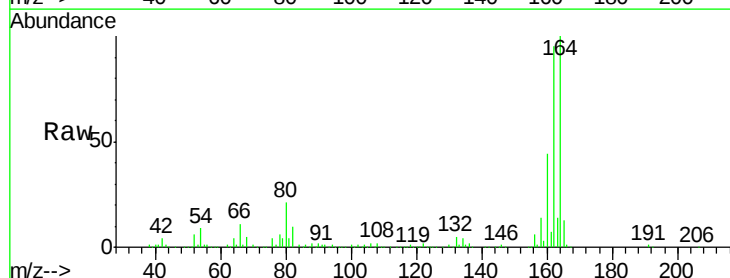
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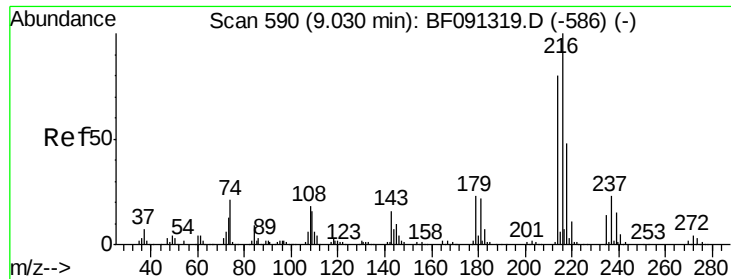
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 666
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.8	82.6	124.0
160	43.6	36.7	55.1





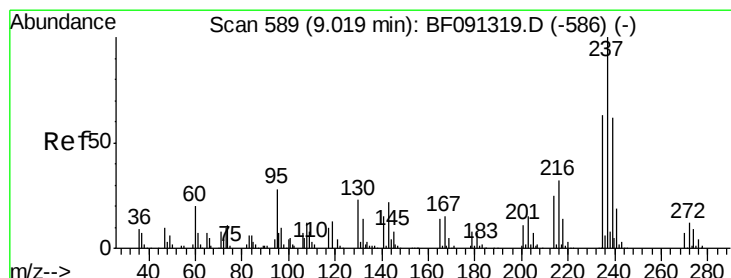
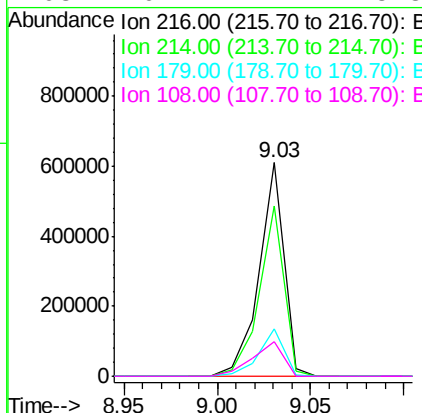
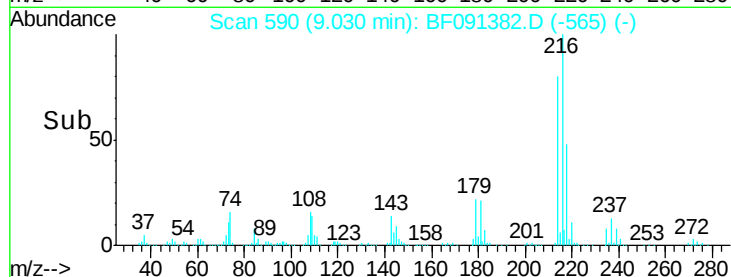
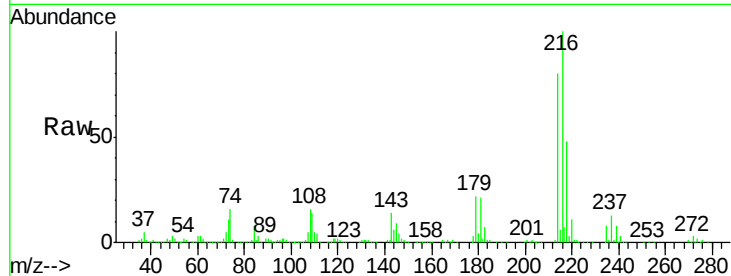
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.86 ng
 RT: 9.03 min Scan# 590
 Delta R.T. -0.02 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 PMW-1A-112916MSD

Tot Ion:	216	Resp:	561465
Ion Ratio	Lower	Upper	
216	100		
214	79.5	63.8	95.8
179	22.2	18.2	27.2
108	20.4	17.2	25.8

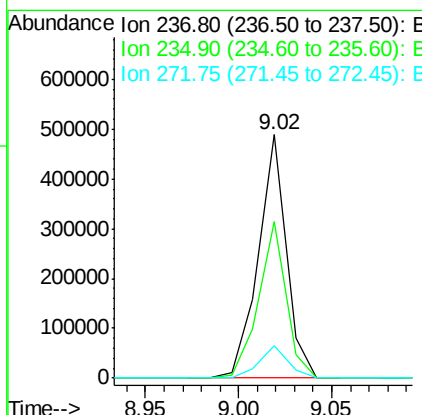
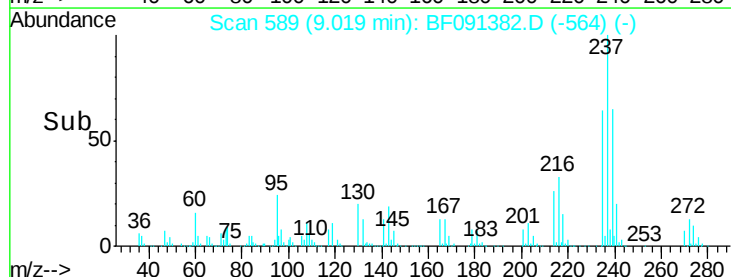
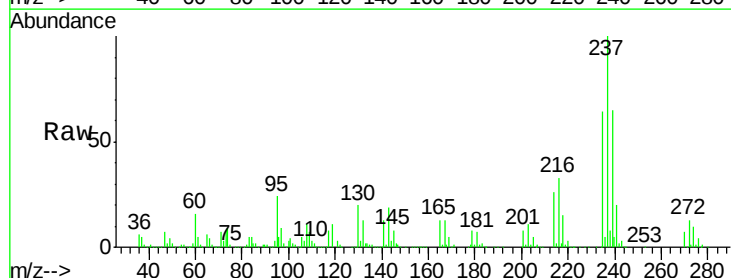
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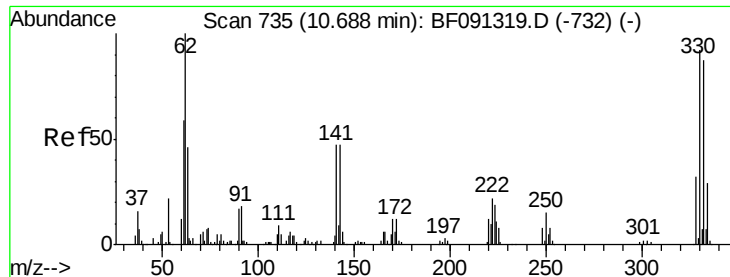
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#40
 Hexachlorocyclopentadiene
 Concen: 86.93 ng
 RT: 9.02 min Scan# 589
 Delta R.T. -0.02 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Tgt Ion:	237	Resp:	504319
Ion Ratio	Lower	Upper	
237	100		
235	64.2	43.9	83.9
272	13.2	0.0	33.1





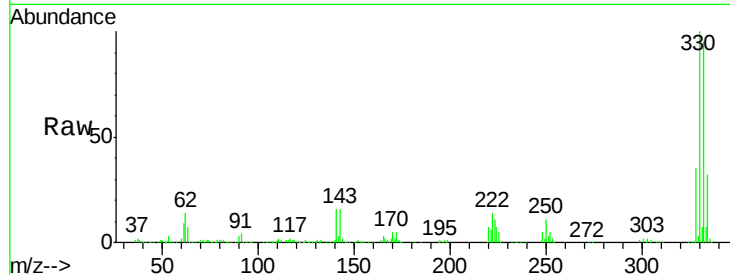
#41
 2,4,6-Tribromophenol
 Concen: 149.53 ng
 RT: 10.70 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 PMW-1A-112916MSD

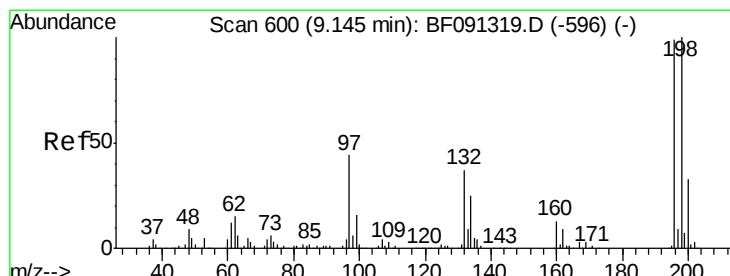
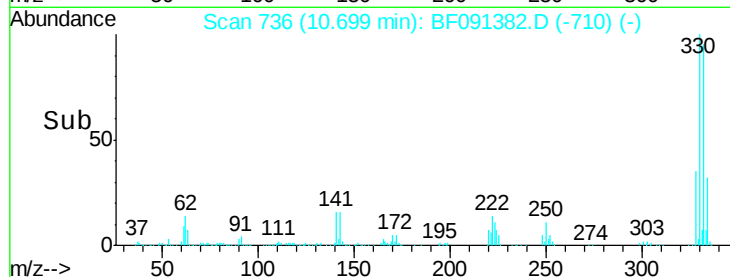
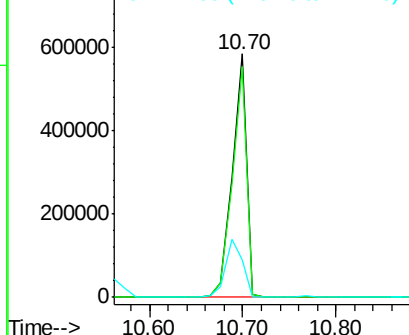
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.2	114.4
141	28.4	33.6	50.4

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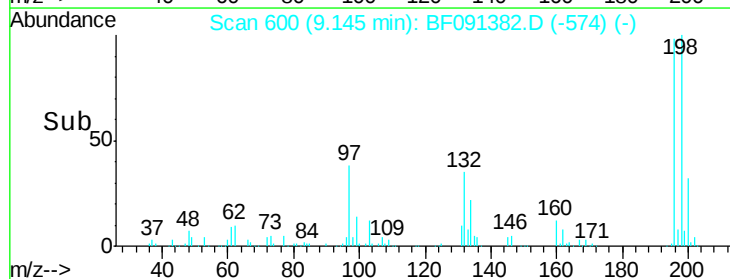
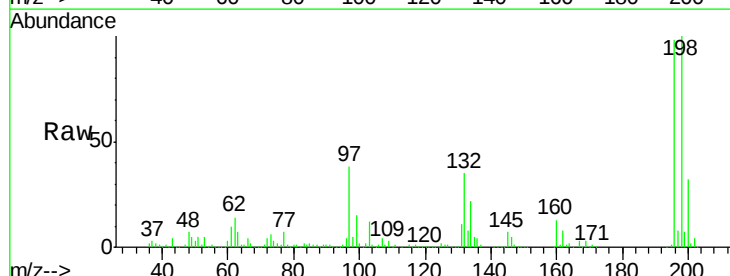
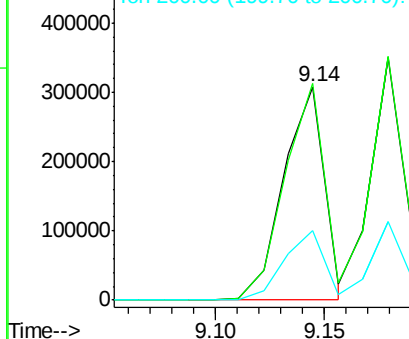
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

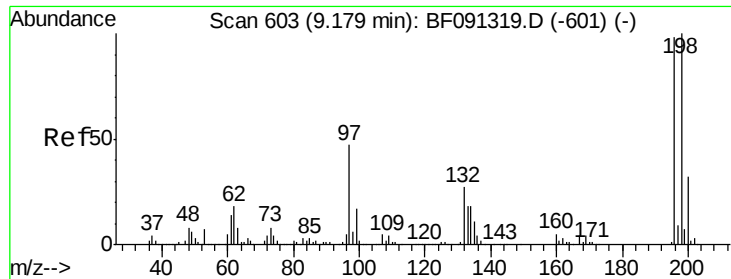


#42
 2,4,6-Trichlorophenol
 Concen: 49.62 ng
 RT: 9.14 min Scan# 600
 Delta R.T. -0.01 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
196	100		
198	101.7	77.4	116.0
200	32.9	25.2	37.8

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





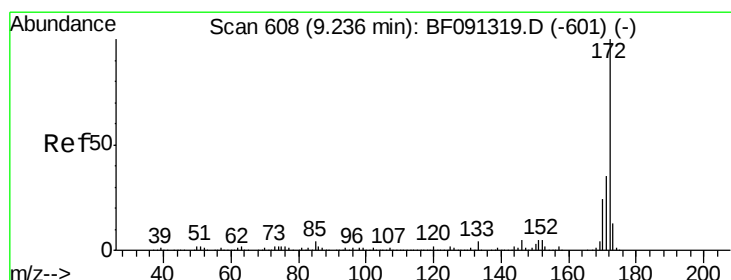
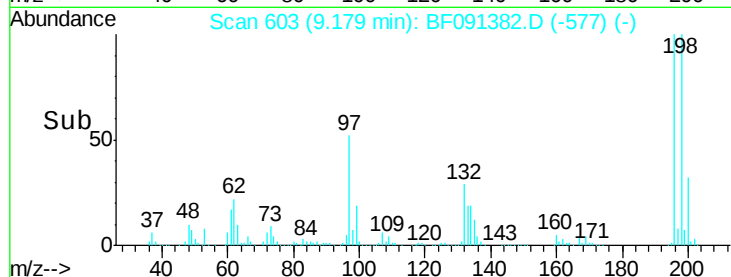
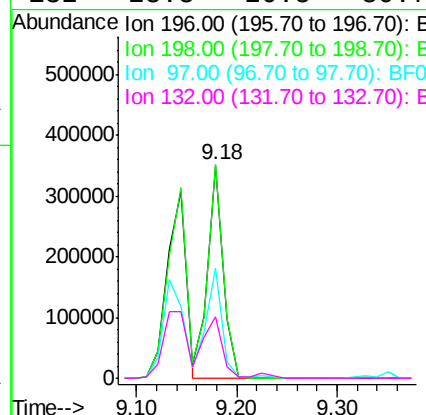
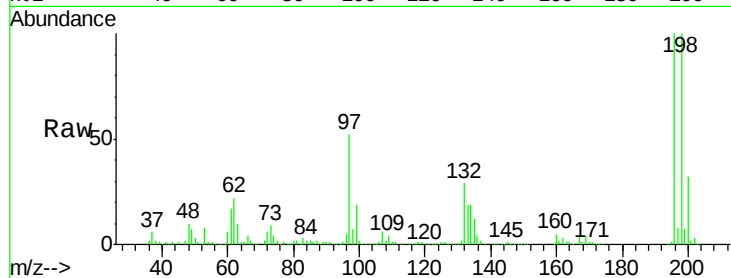
#43
 2,4,5-Trichlorophenol
 Concen: 46.43 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 PMW-1A-112916MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100			
198	100.5	77.0	115.6	
97	52.1	33.5	50.3	
132	28.8	20.5	30.7	

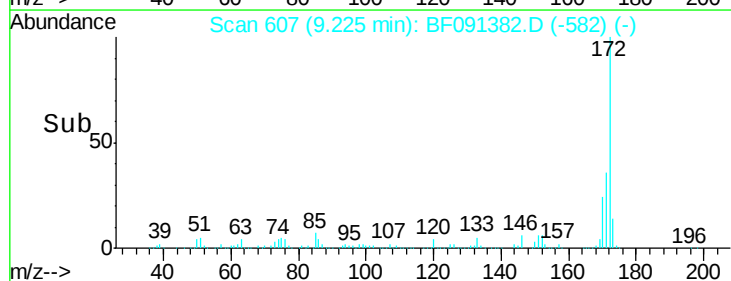
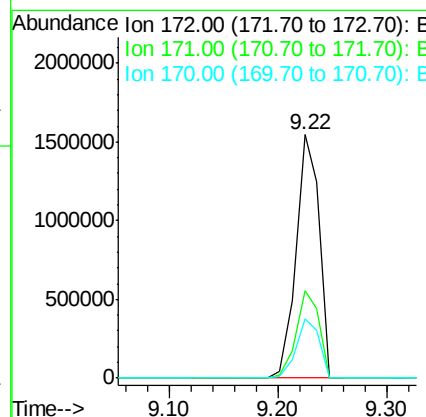
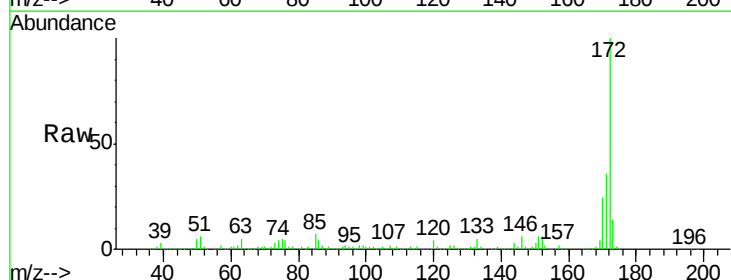
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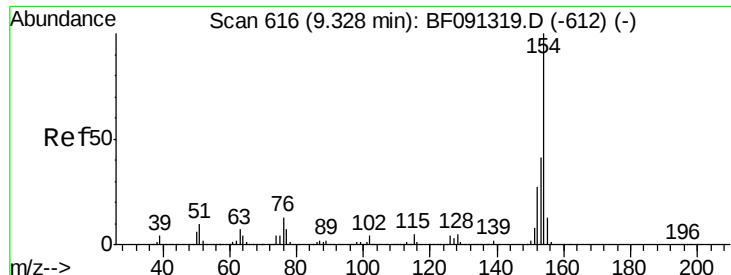
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#44
 2-Fluorobiphenyl
 Concen: 93.20 ng
 RT: 9.22 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.4	44.0	
170	24.4	19.7	29.5	





#45

1,1'-Biphenyl

Concen: 42.87 ng

RT: 9.33 min Scan# 616

Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Instrument :

BNA_F

ClientSampleId :

PMW-1A-112916MSD

Tot Ion:154 Resp: 1368631

Ion Ratio Lower Upper

154 100

153 41.2 20.6 60.6

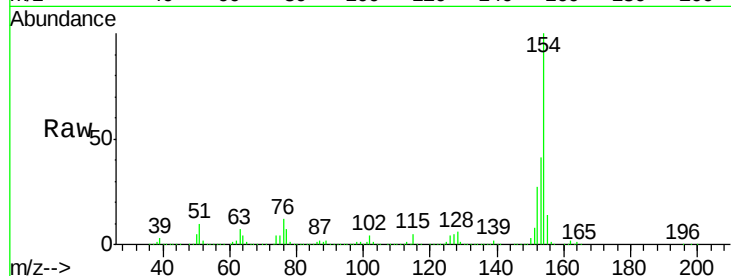
76 12.5 0.0 36.6

Manual Integrations

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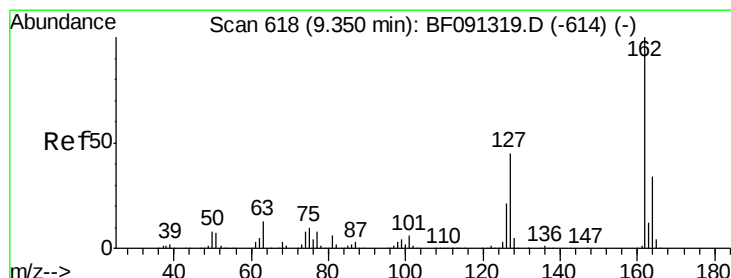
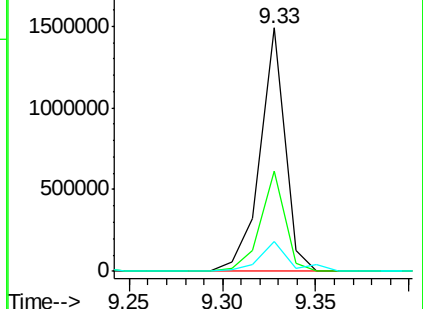
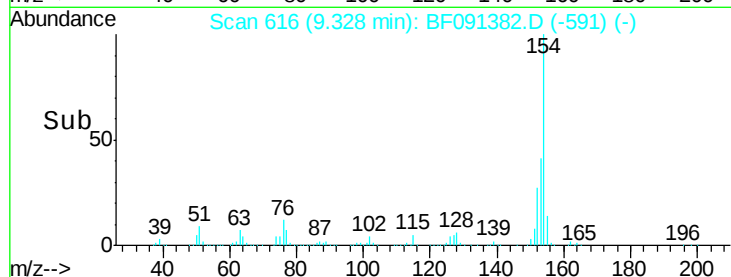
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 42.87 ng

RT: 9.35 min Scan# 618

Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

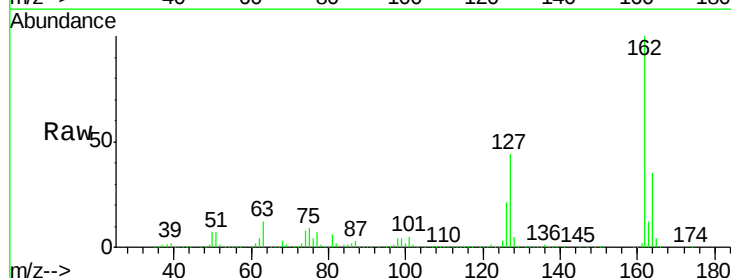
Tgt Ion:162 Resp: 1019125

Ion Ratio Lower Upper

162 100

127 43.6 34.3 51.5

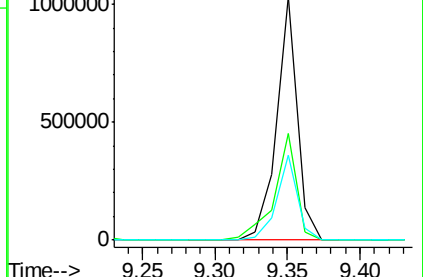
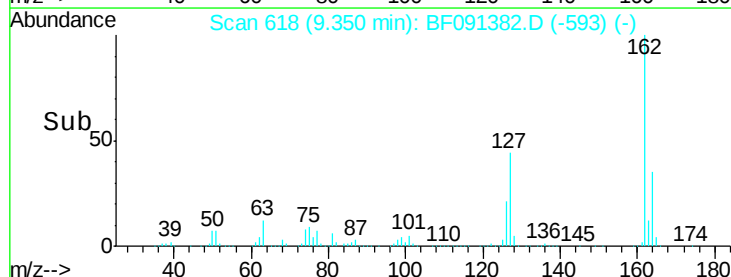
164 34.7 26.6 40.0

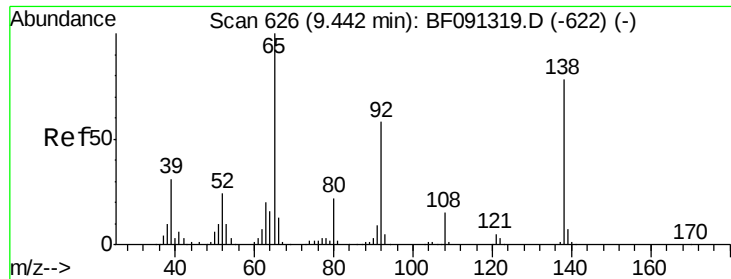


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





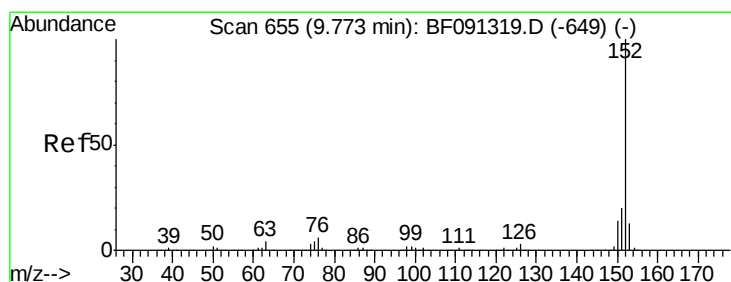
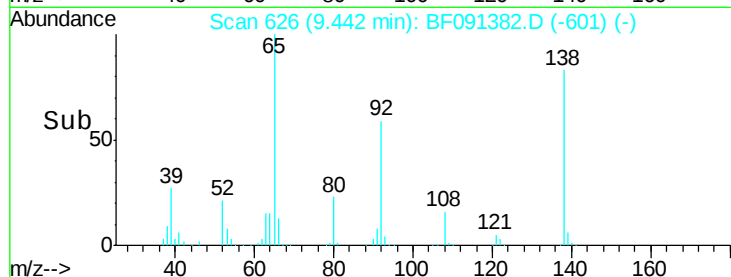
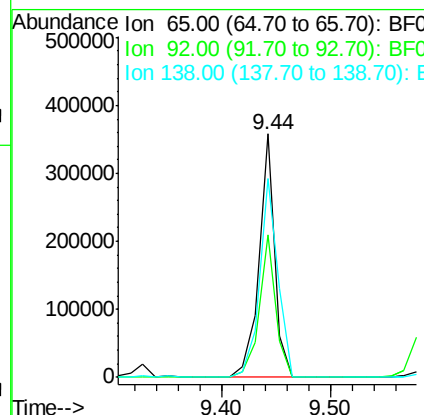
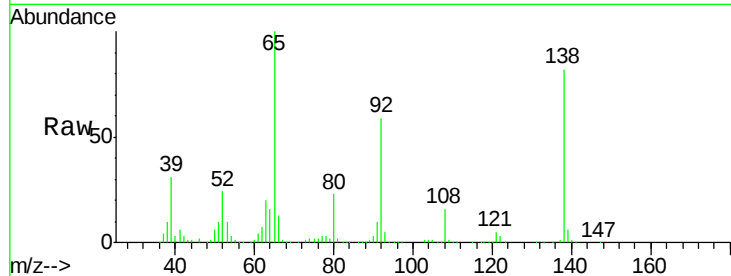
#47
2-Nitroaniline
Concen: 42.31 ng
RT: 9.44 min Scan# 626
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	58.7	53.6	80.4
138	81.6	91.0	136.6

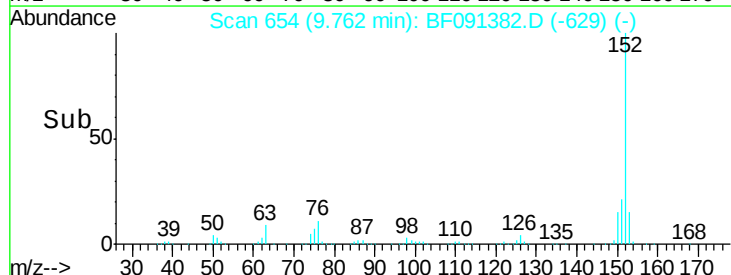
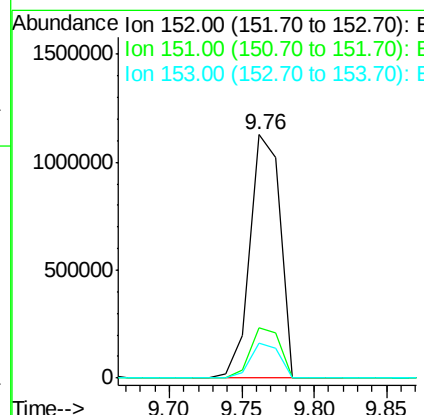
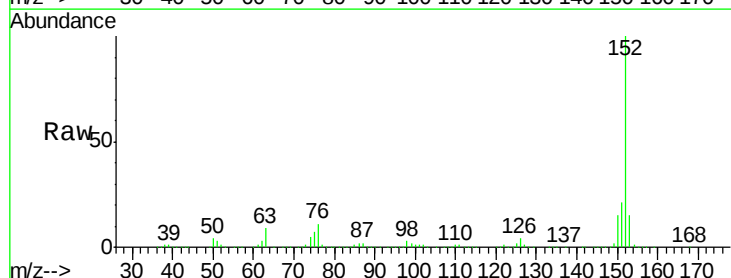
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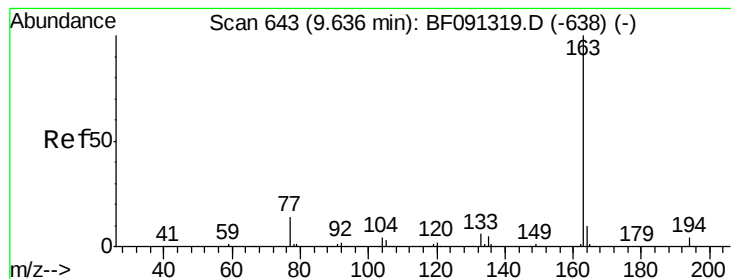
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#48
Acenaphthylene
Concen: 43.53 ng
RT: 9.76 min Scan# 654
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	24.8
153	14.5	10.7	16.1





#49

Dimethylphthalate

Concen: 49.52 ng

RT: 9.64 min Scan# 643

Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Instrument :

BNA_F

ClientSampleId :

PMW-1A-112916MSD

Tot Ion:163 Resp: 1331263

Ion Ratio Lower Upper

163 100

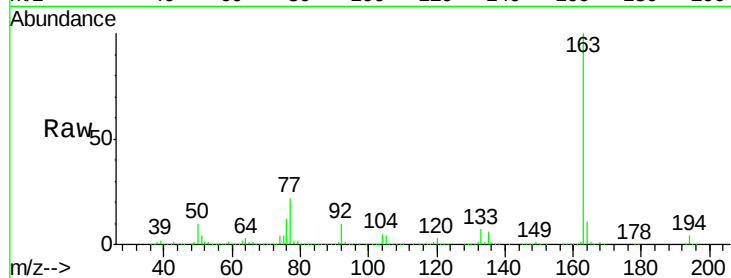
194 3.7 3.0 4.4

164 10.7 7.8 11.8

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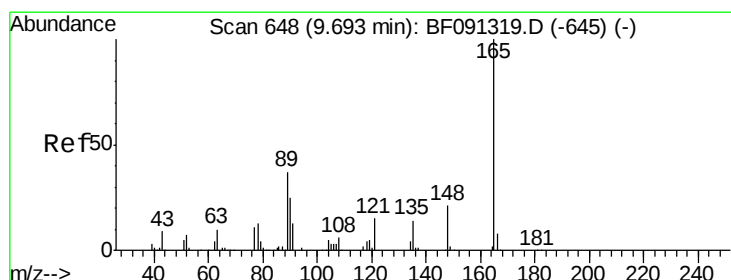
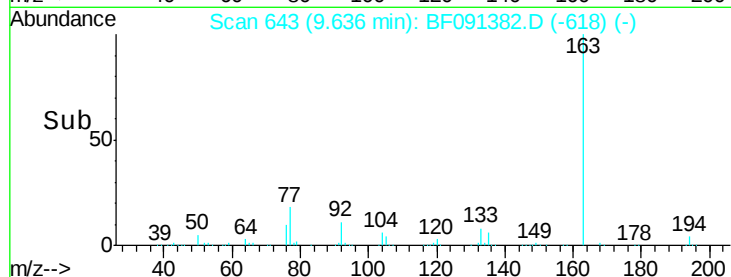
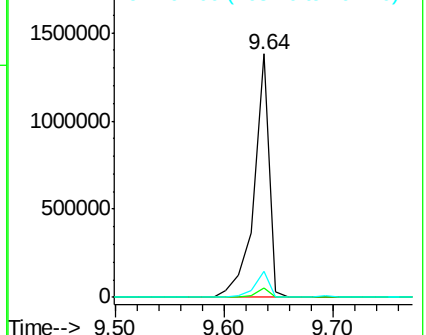
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 53.69 ng

RT: 9.69 min Scan# 648

Delta R.T. -0.01 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

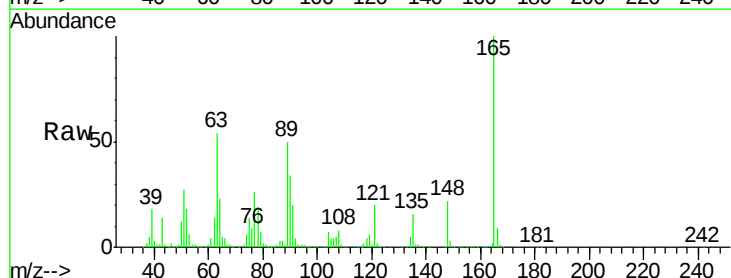
Tgt Ion:165 Resp: 322588

Ion Ratio Lower Upper

165 100

63 54.0 59.4 89.0#

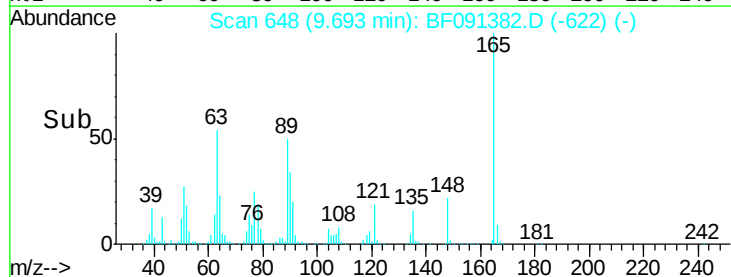
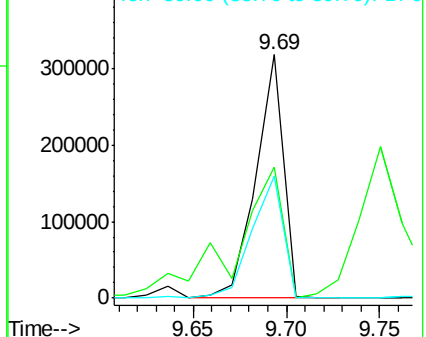
89 50.0 50.8 76.2#

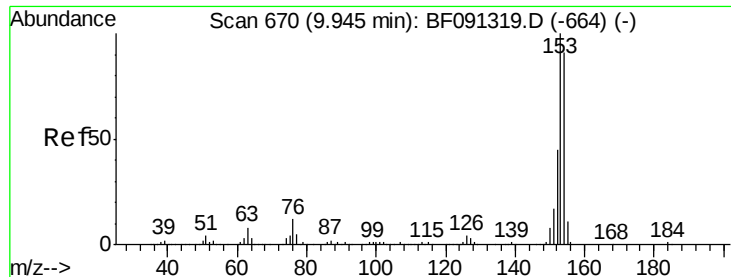


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 47.49 ng

RT: 9.93 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Instrument :

BNA_F

ClientSampleId :

PMW-1A-112916MSD

Tot Ion:154 Resp: 1198833

Ion Ratio Lower Upper

154 100

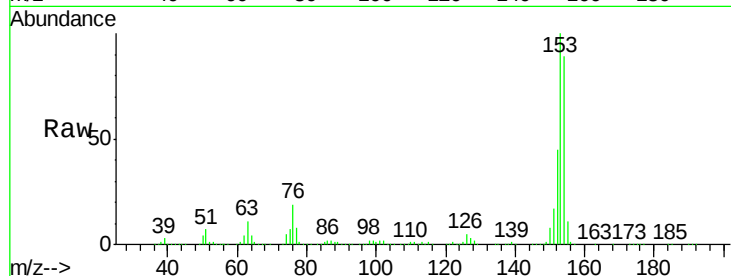
153 112.4 91.0 136.6

152 50.6 44.2 66.2

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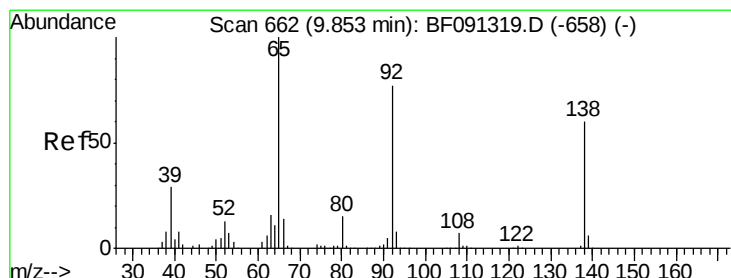
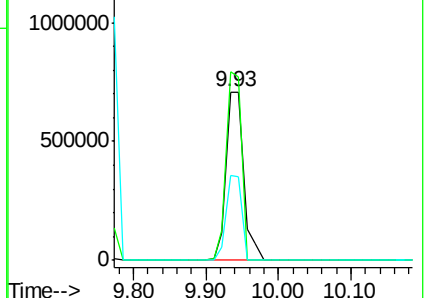
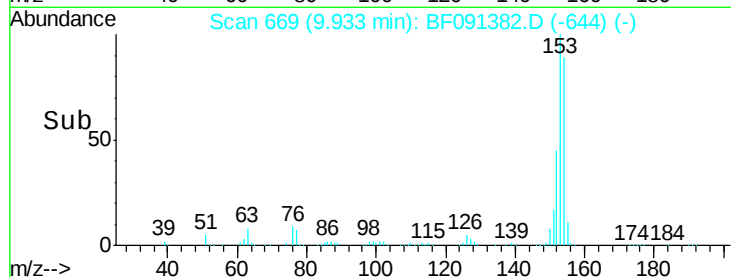
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 13.18 ng

RT: 9.85 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

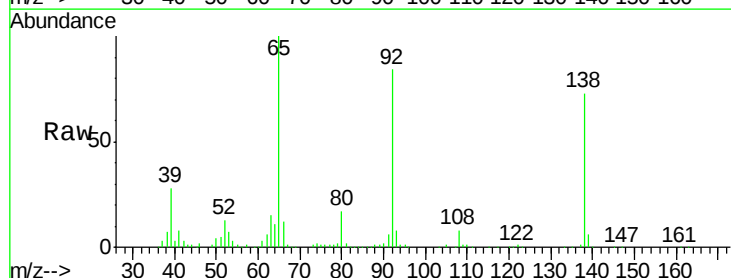
Tgt Ion:138 Resp: 91685

Ion Ratio Lower Upper

138 100

108 11.1 8.1 12.1

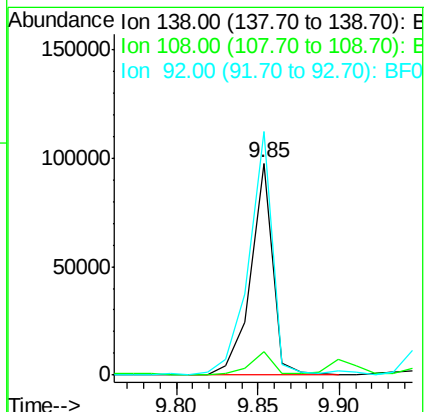
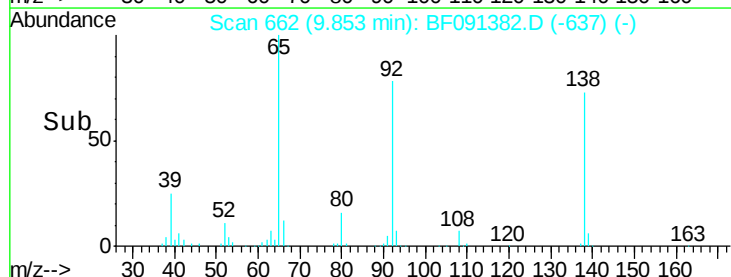
92 114.9 92.5 138.7

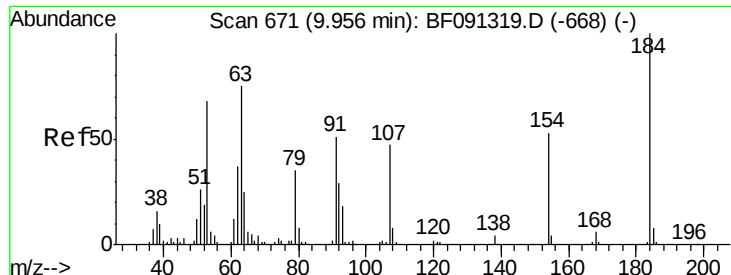


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





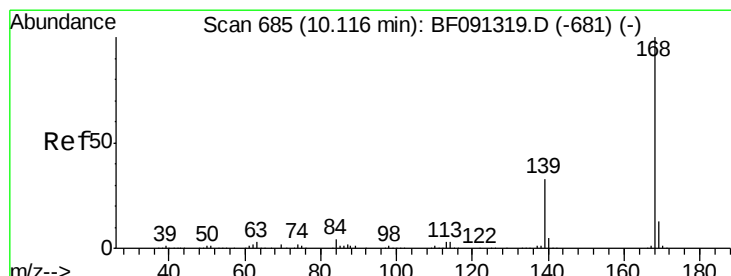
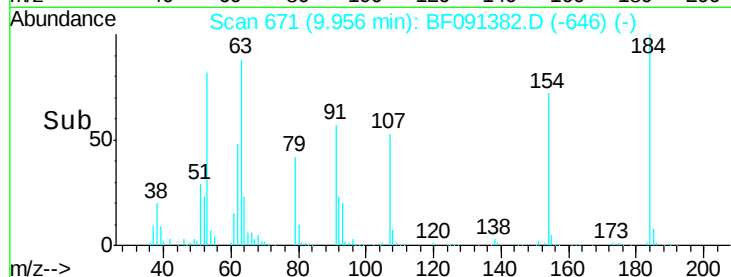
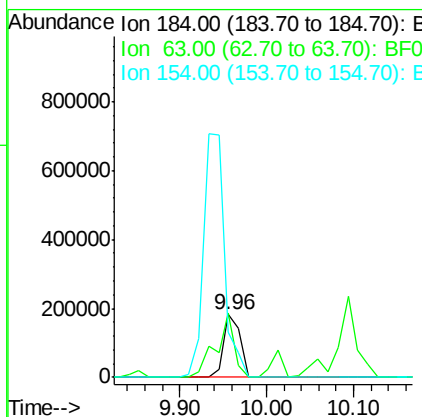
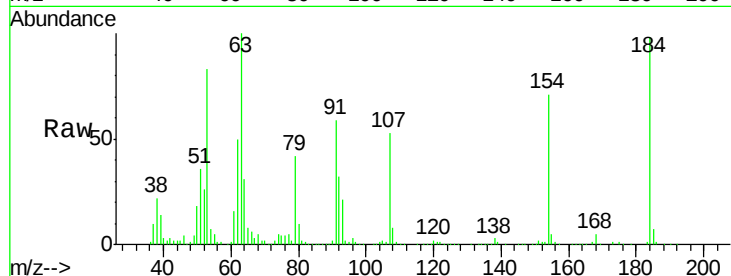
#53
2,4-Dinitrophenol
Concen: 94.25 ng
RT: 9.96 min Scan# 671
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	247640		
63	102.1	58.3	87.5#	
154	72.0	48.6	73.0	

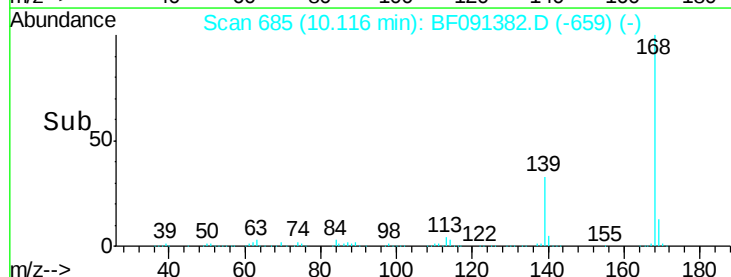
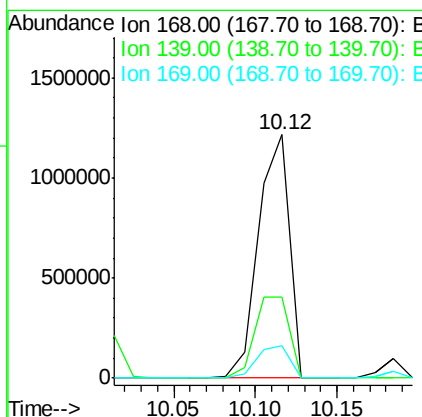
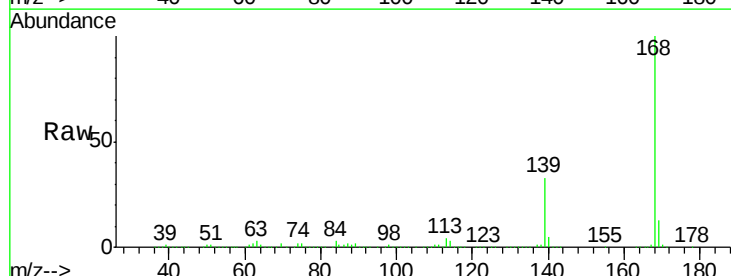
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#54
Dibenzofuran
Concen: 47.30 ng
RT: 10.12 min Scan# 685
Delta R.T. -0.00 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1598864		
139	33.3	33.4	50.2#	
169	13.3	11.1	16.7	





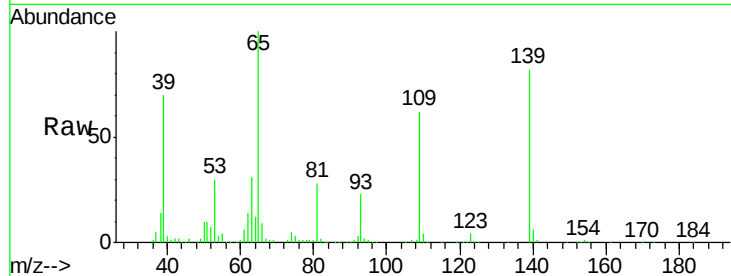
#55
4-Nitrophenol
Concen: 38.36 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

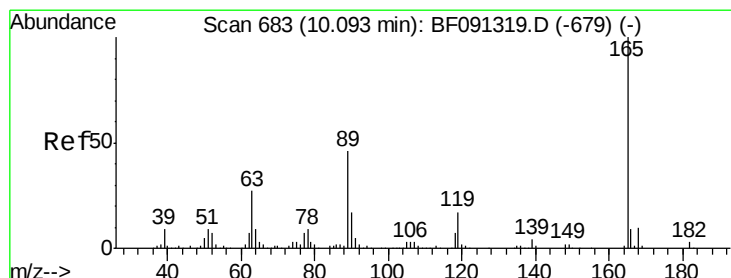
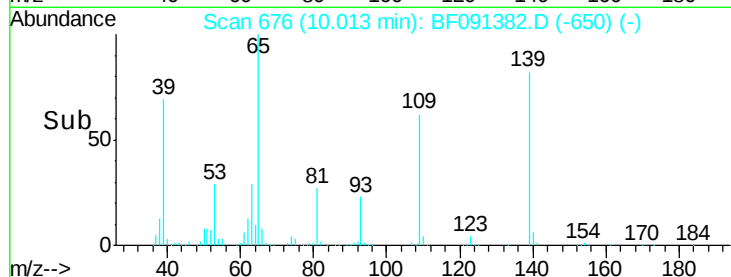
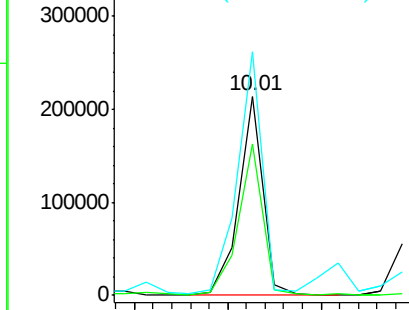
Tot Ion	Ratio	Resp	Lower	Upper
139	100	192699		
109	76.0	54.9	94.9	
65	122.3	102.2	142.2	

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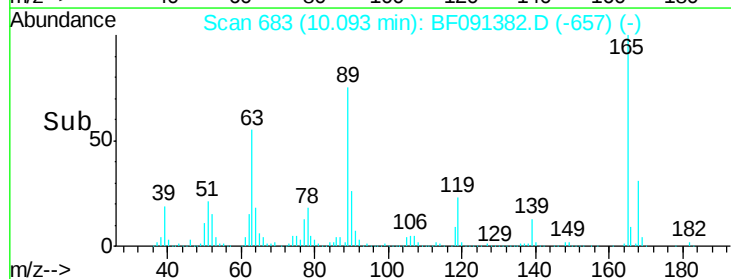
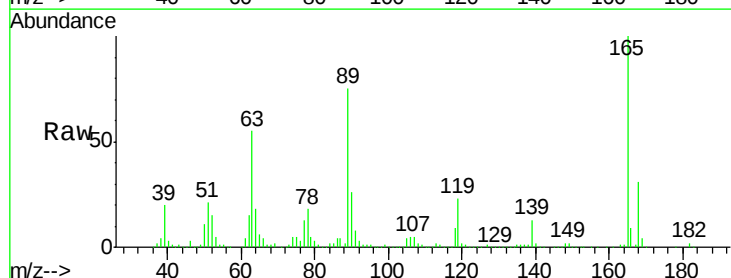
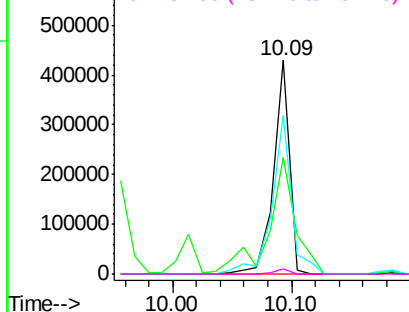
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BFO



#56
2,4-Dinitrotoluene
Concen: 51.46 ng
RT: 10.09 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	401076		
63	54.8	29.0	43.4#	
89	74.6	43.1	64.7#	
182	2.3	1.9	2.9	

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BFO
Ion 89.00 (88.70 to 89.70): BFO
Ion 182.00 (181.70 to 182.70): E





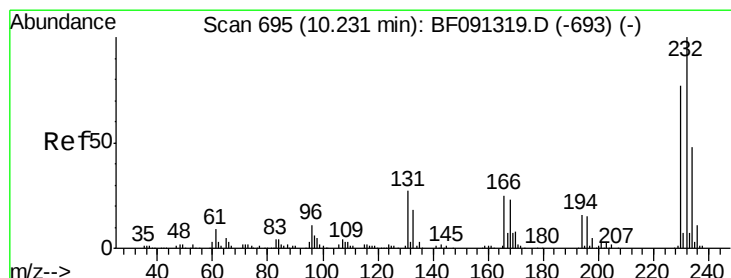
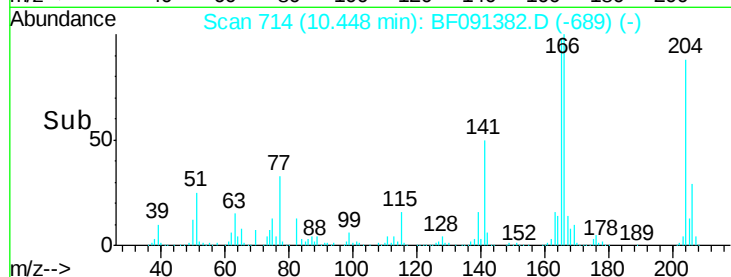
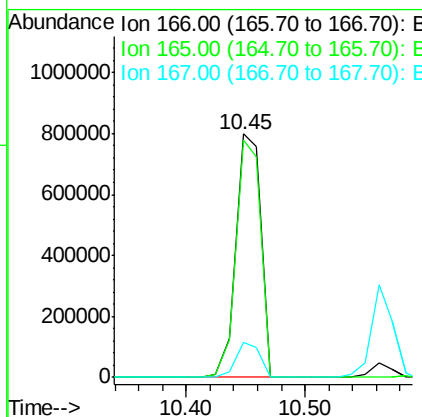
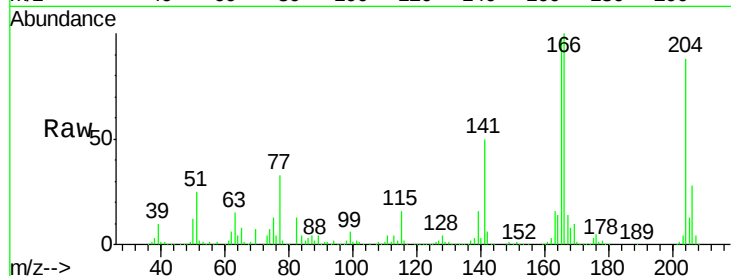
#57
Fluorene
 Concen: 44.96 ng
 RT: 10.45 min Scan# 714
 Delta R.T. -0.02 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Instrument :
 BNA_F
 ClientSampleID :
 PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.4	80.0	120.0
167	14.1	10.8	16.2

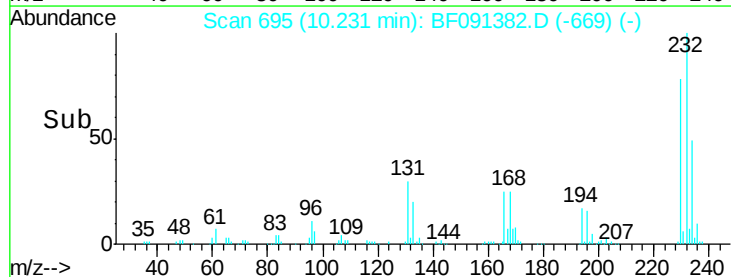
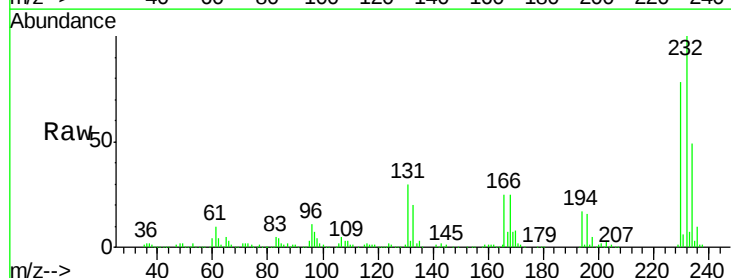
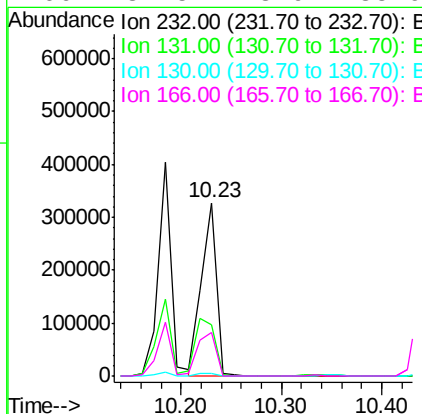
Manual Integrations
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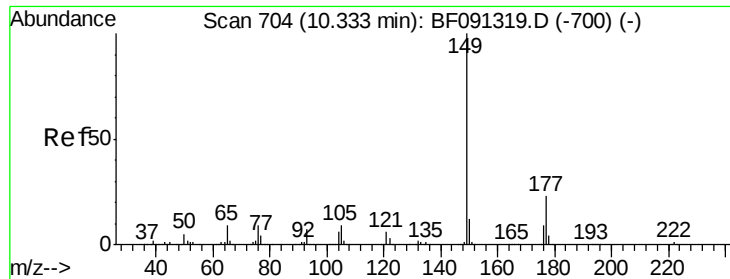
sohil
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#58
2,3,4,6-Tetrachlorophenol
 Concen: 49.45 ng
 RT: 10.23 min Scan# 695
 Delta R.T. -0.01 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
232	100		
131	43.8	38.4	57.6
130	2.0	1.8	2.8
166	31.5	23.9	35.9





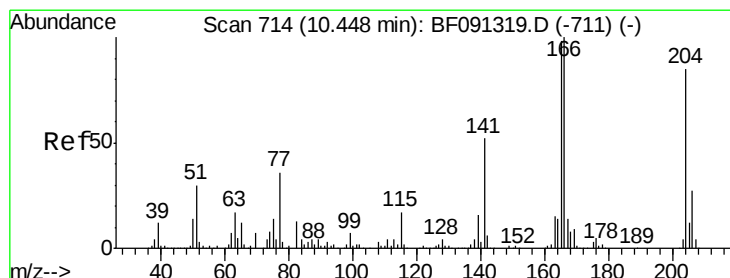
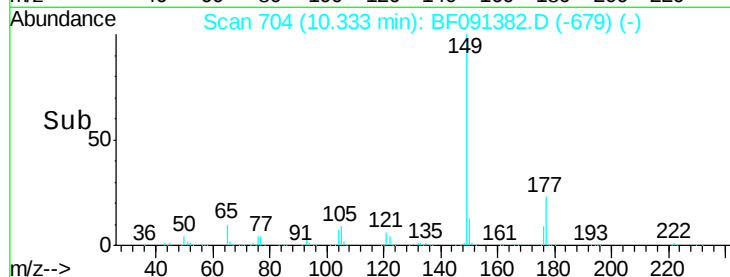
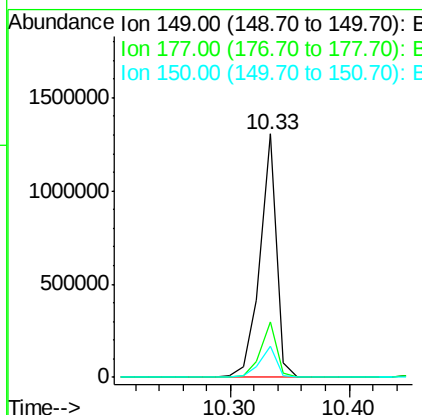
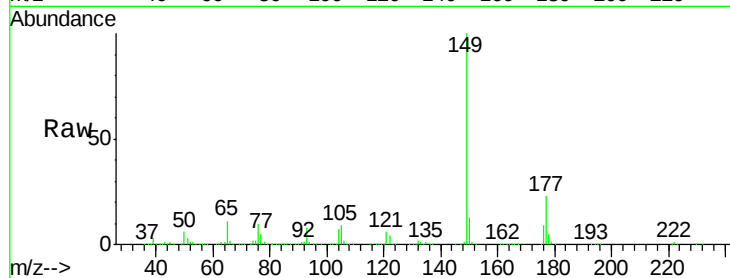
#59
Diethylphthalate
Concen: 48.19 ng
RT: 10.33 min Scan# 704
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion:149 Resp: 1278830
Ion Ratio Lower Upper
149 100
177 22.9 15.7 23.5
150 12.7 10.2 15.2

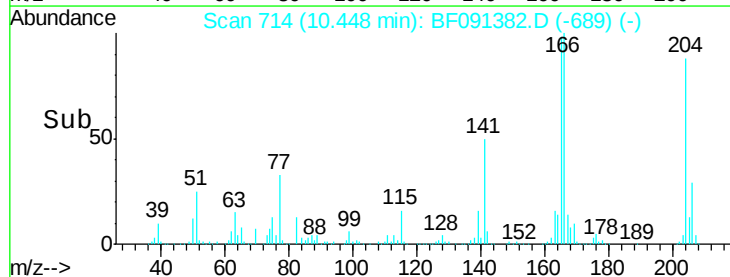
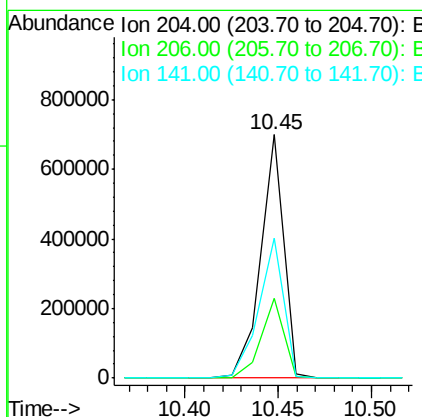
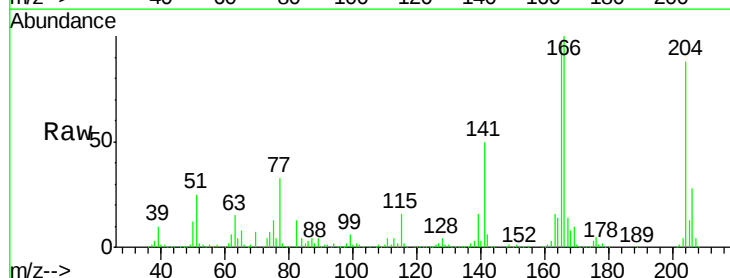
Manual Integrations
APPROVED

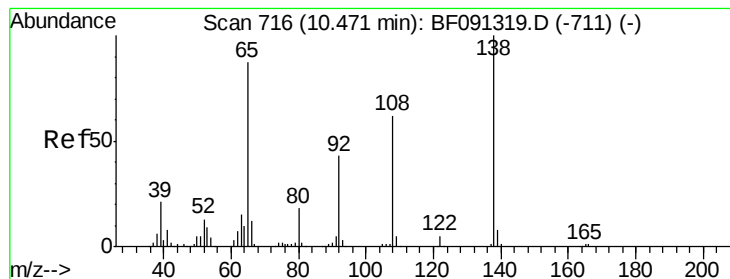
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#60
4-Chlorophenyl-phenylether
Concen: 45.53 ng
RT: 10.45 min Scan# 714
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion:204 Resp: 592558
Ion Ratio Lower Upper
204 100
206 32.5 26.1 39.1
141 57.3 40.6 61.0





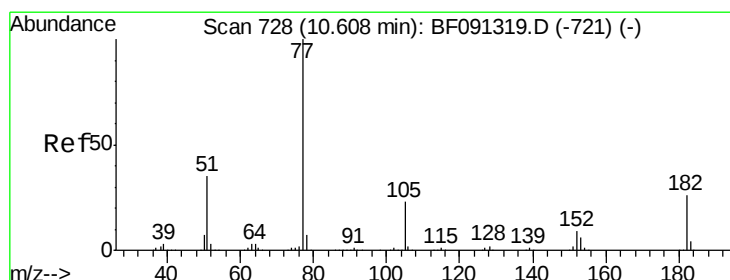
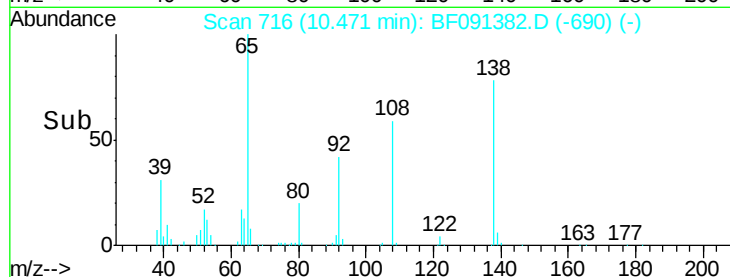
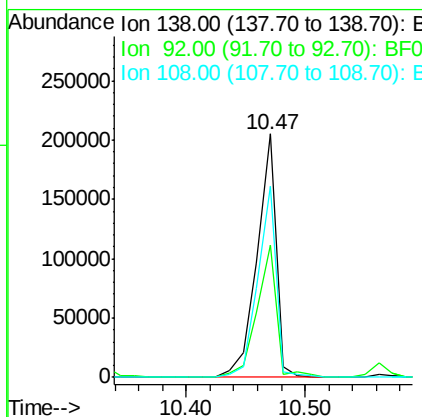
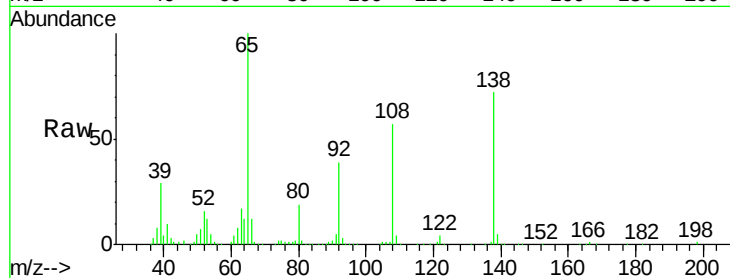
#61
4-Nitroaniline
Concen: 35.70 ng
RT: 10.47 min Scan# 716
Delta R.T. -0.01 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	233133		
92	54.1	26.9	66.9	
108	78.4	49.1	89.1	

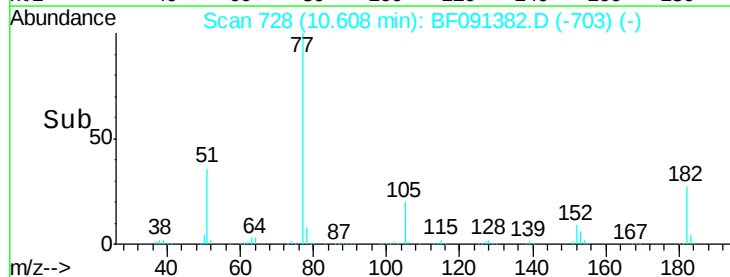
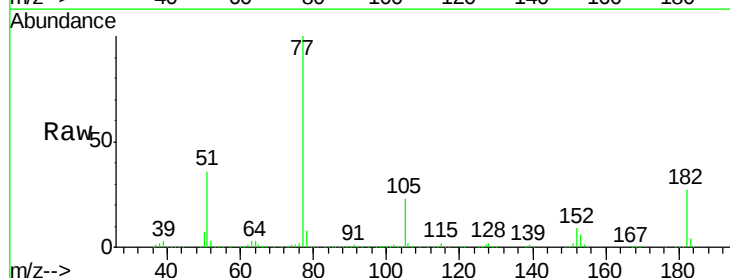
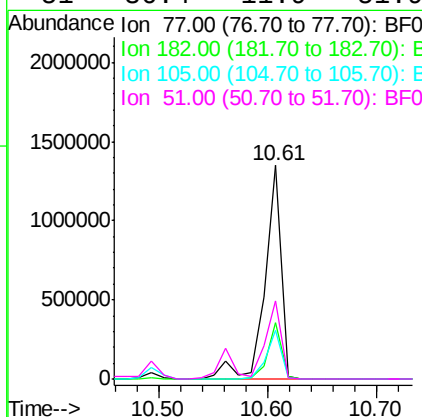
Manual Integrations
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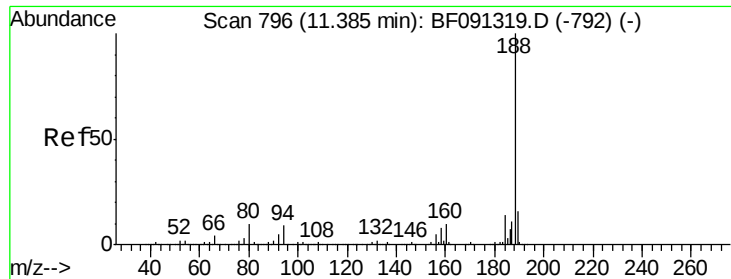
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#62
Azobenzene
Concen: 53.10 ng
RT: 10.61 min Scan# 728
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	1437810		
182	26.6	12.5	52.5	
105	23.1	3.7	43.7	
51	36.4	11.9	51.9	





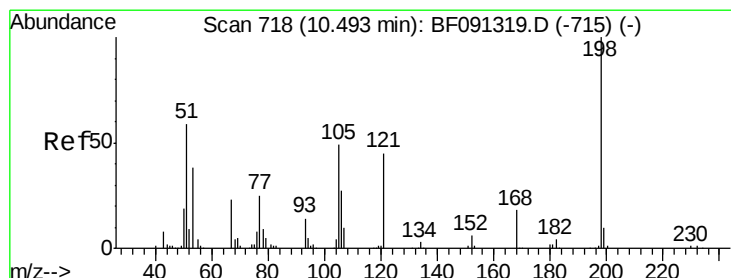
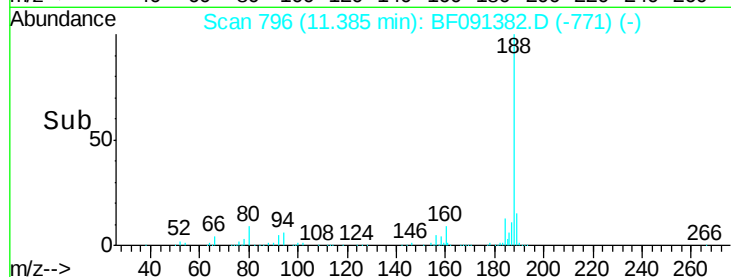
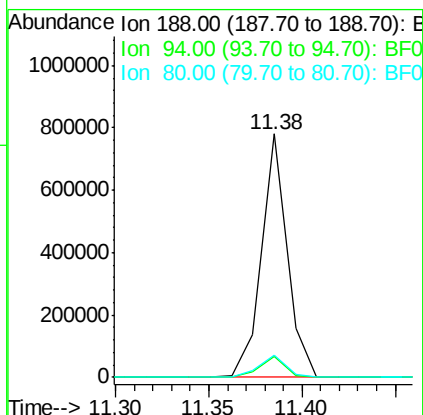
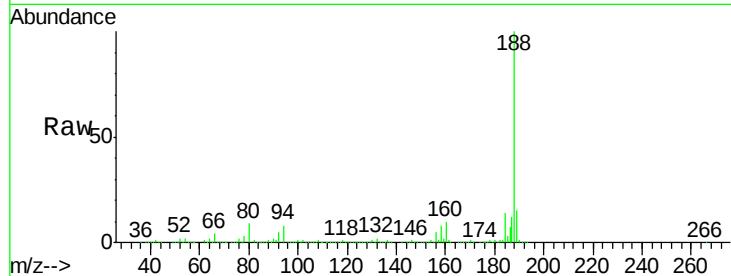
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.4	9.2	13.8#
80	9.0	10.5	15.7#

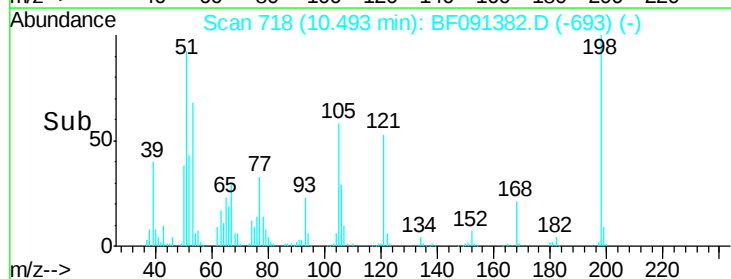
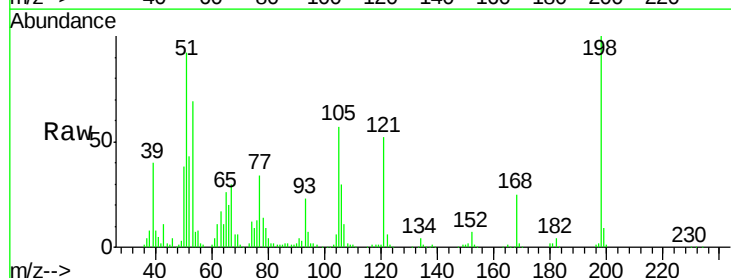
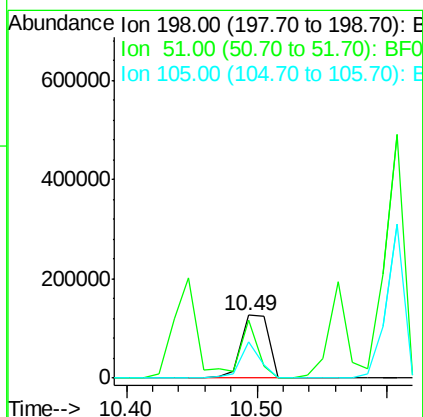
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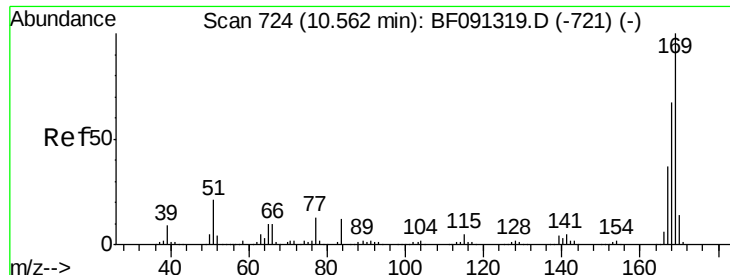
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#64
4,6-Dinitro-2-methylphenol
Concen: 45.18 ng
RT: 10.49 min Scan# 718
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	92.3	77.1	117.1
105	57.5	44.8	84.8





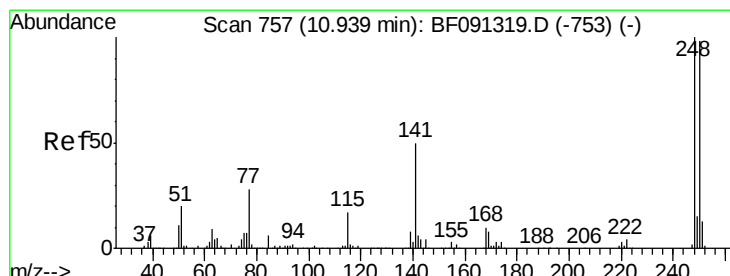
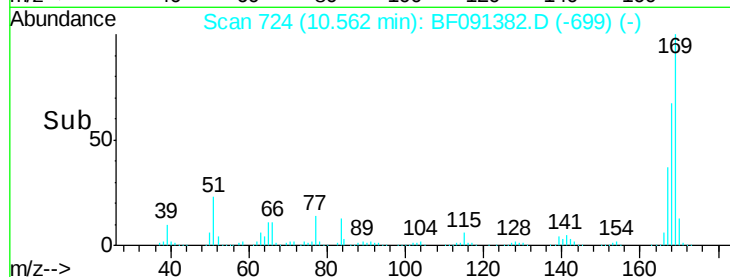
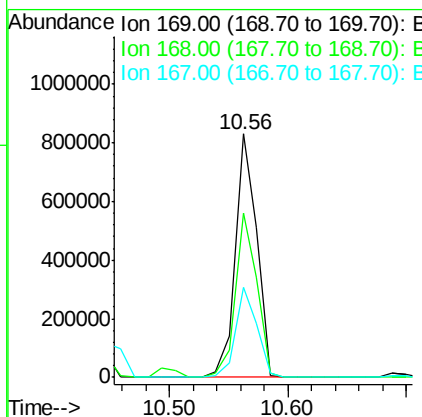
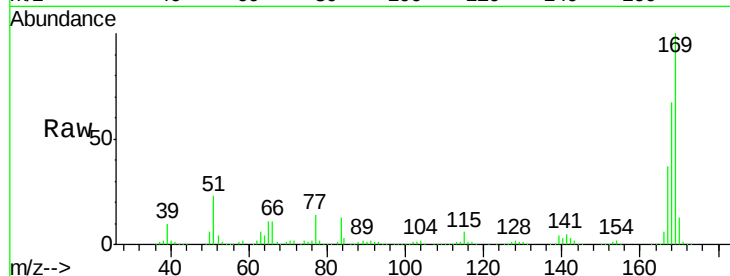
#65
 n-Nitrosodiphenylamine
 Concen: 46.06 ng
 RT: 10.56 min Scan# 724
 Delta R.T. -0.02 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.8	80.8
167	36.8	29.8	44.8

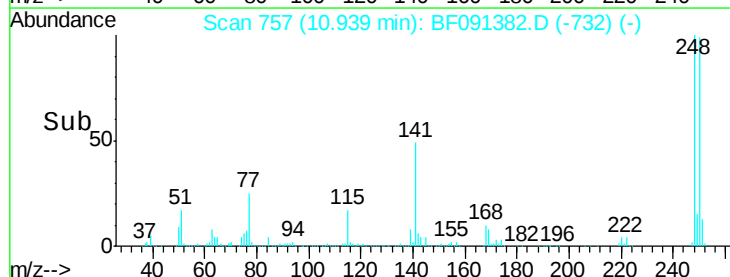
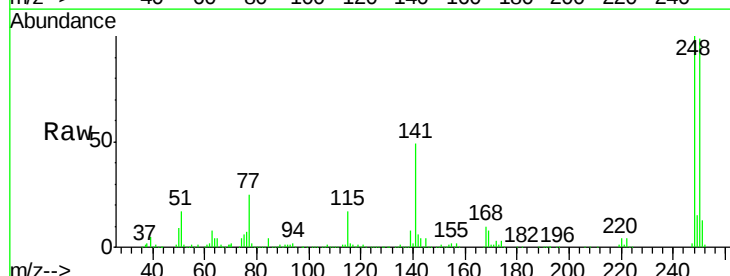
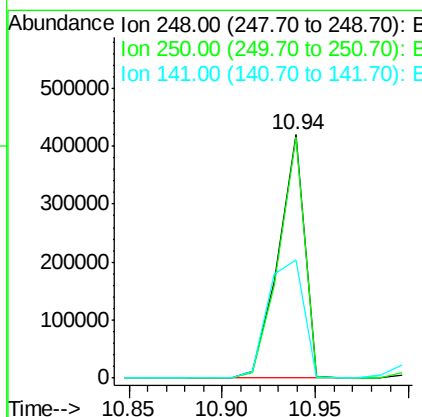
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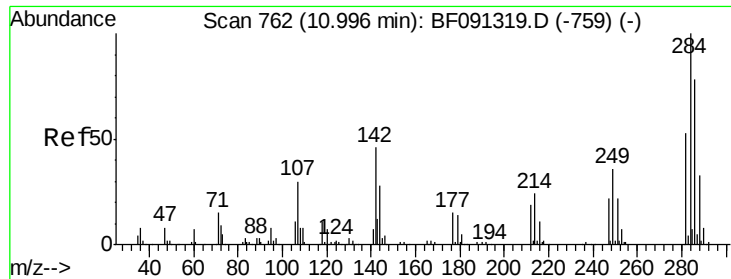
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#66
 4-Bromophenyl-phenylether
 Concen: 51.69 ng
 RT: 10.94 min Scan# 757
 Delta R.T. -0.02 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.8	78.2	117.4
141	48.7	71.9	107.9#





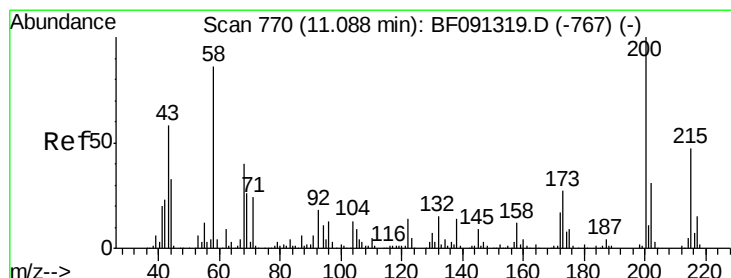
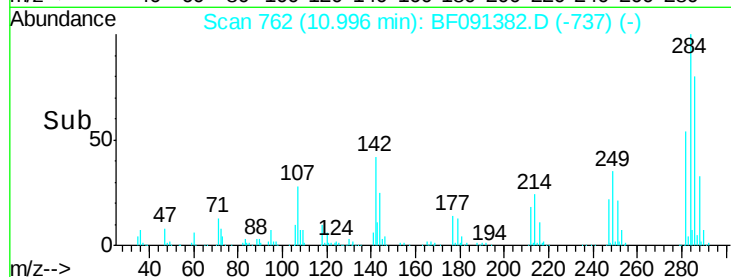
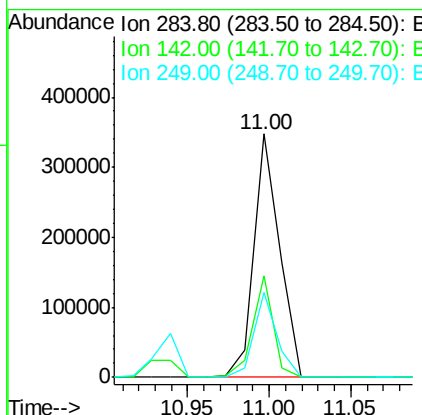
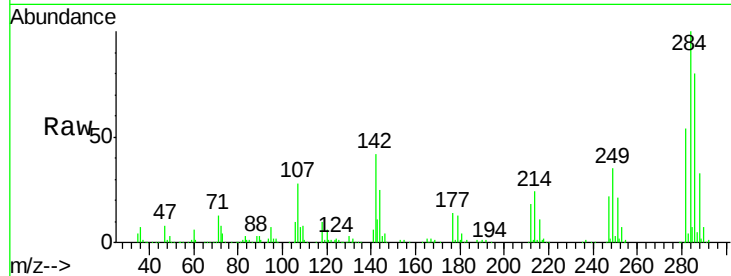
#67
Hexachlorobenzene
Concen: 43.91 ng
RT: 11.00 min Scan# 762
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	41.8	17.9	26.9	
249	34.9	23.6	35.4	

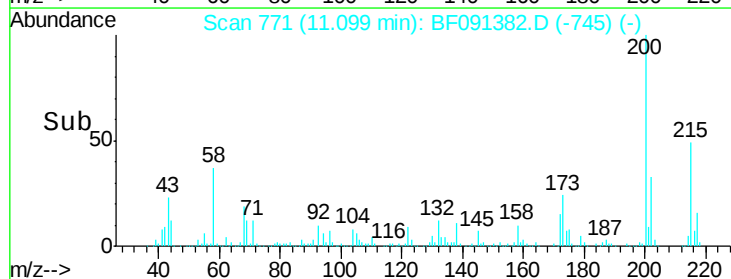
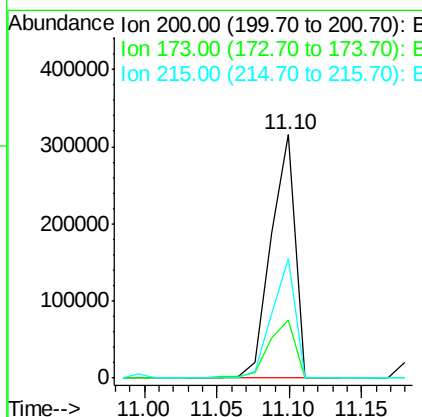
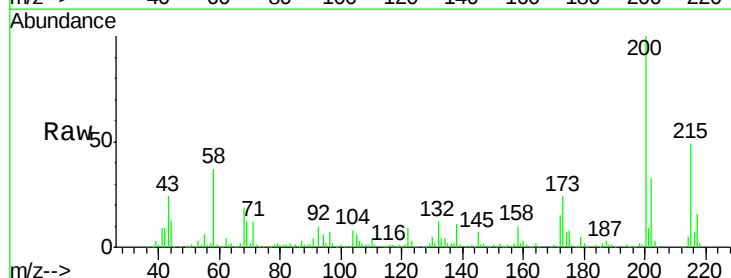
Manual Integrations
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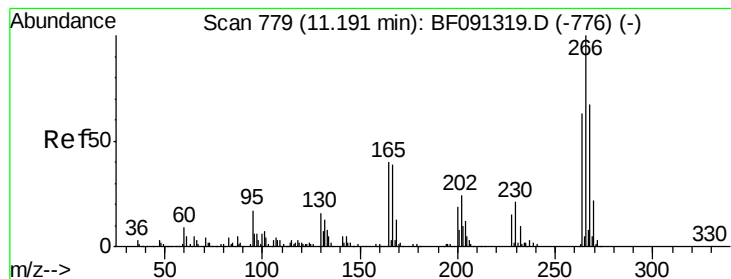
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#68
Atrazine
Concen: 49.81 ng
RT: 11.10 min Scan# 771
Delta R.T. -0.00 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	24.0	7.8	47.8	
215	48.9	24.3	64.3	





#69

Pentachlorophenol

Concen: 83.71 ng

RT: 11.19 min Scan# 779

Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Instrument :

BNA_F

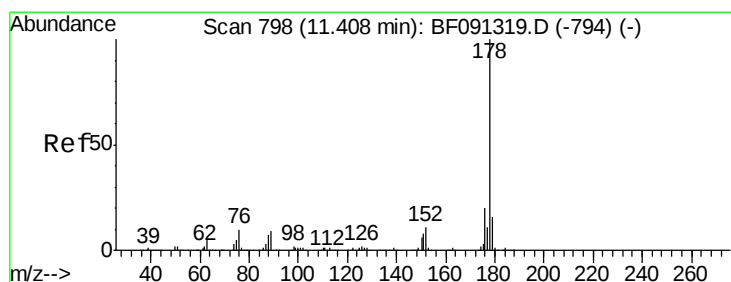
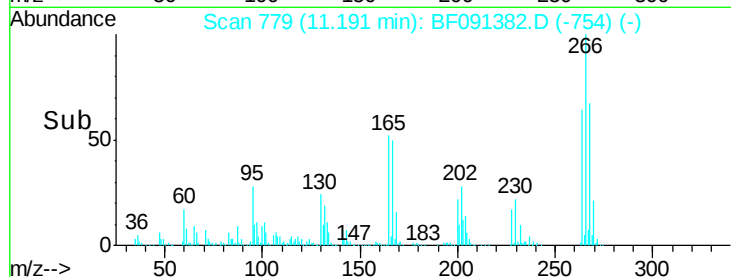
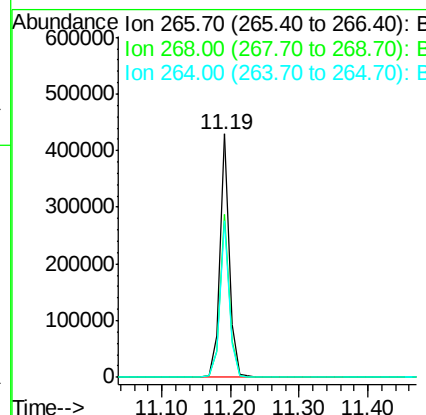
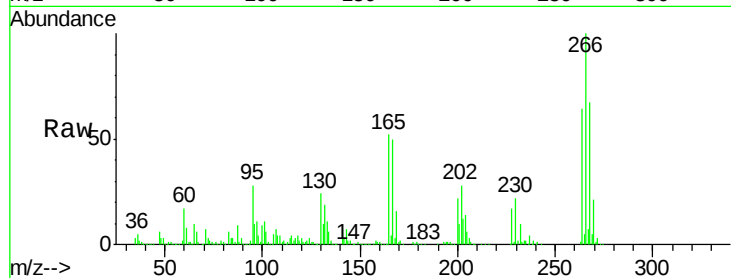
ClientSampleId :

PMW-1A-112916MSD

Tot Ion:	266	Resp:	424382
Ion Ratio		Lower	Upper
266	100		
268	66.9	50.3	75.5
264	64.4	48.2	72.2

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#70

Phenanthrene

Concen: 43.56 ng

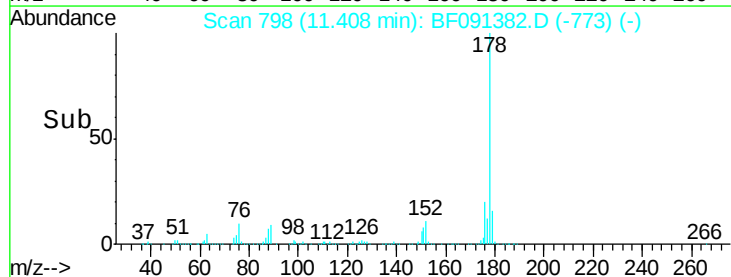
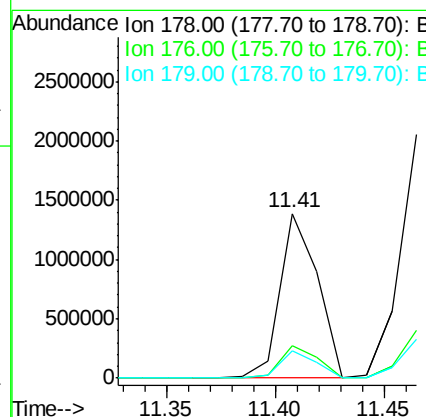
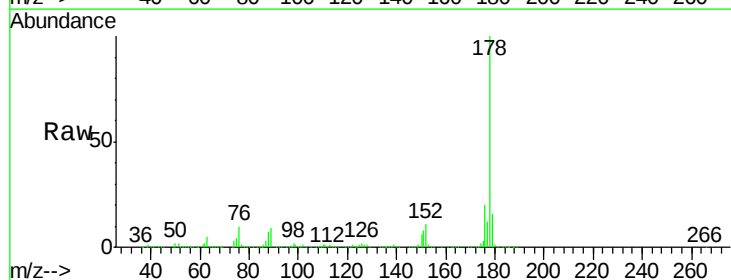
RT: 11.41 min Scan# 798

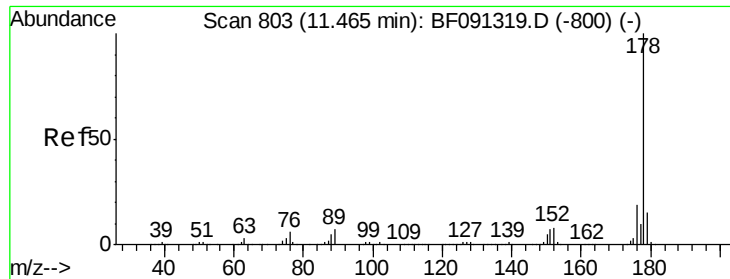
Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Tgt Ion:	178	Resp:	1678250
Ion Ratio		Lower	Upper
178	100		
176	19.9	15.9	23.9
179	16.4	12.6	18.8





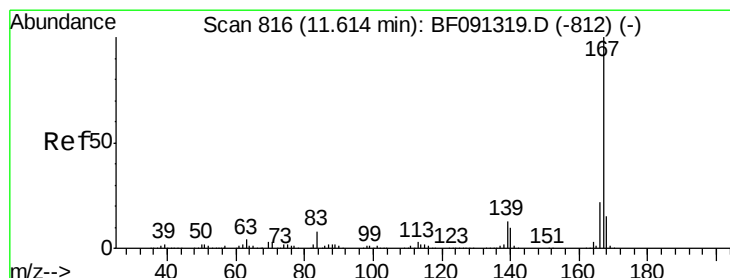
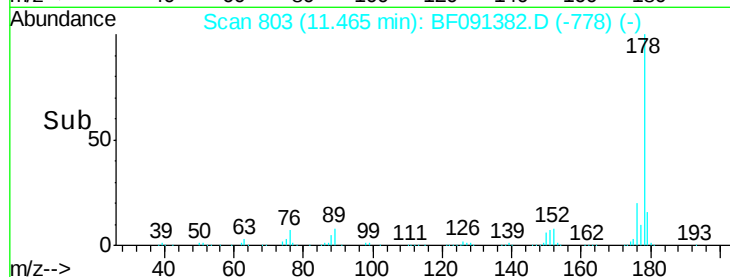
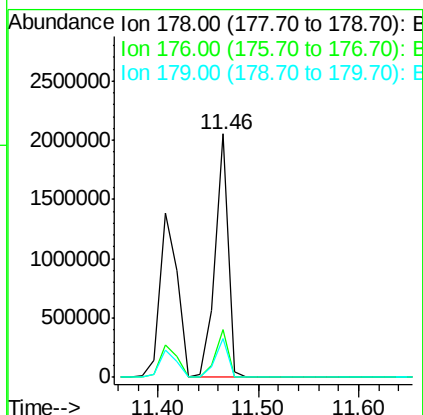
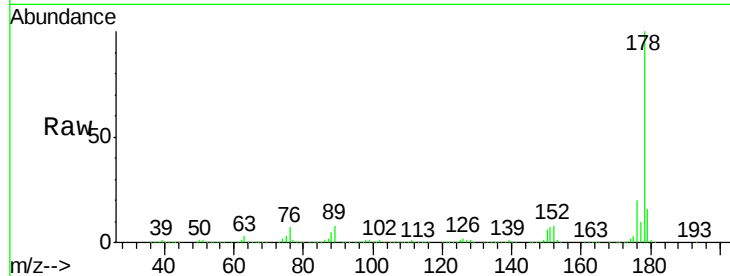
#71
 Anthracene
 Concen: 48.48 ng
 RT: 11.46 min Scan# 803
 Delta R.T. -0.02 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 PMW-1A-112916MSD

Tot Ion:178 Resp: 1853741
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.8 23.6
 179 15.9 12.7 19.1

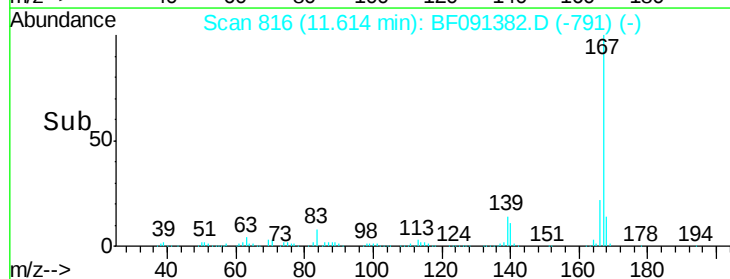
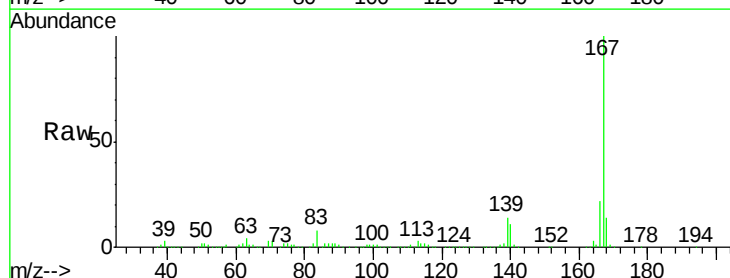
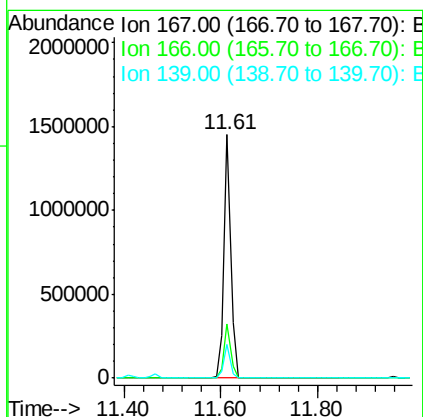
Manual Integrations
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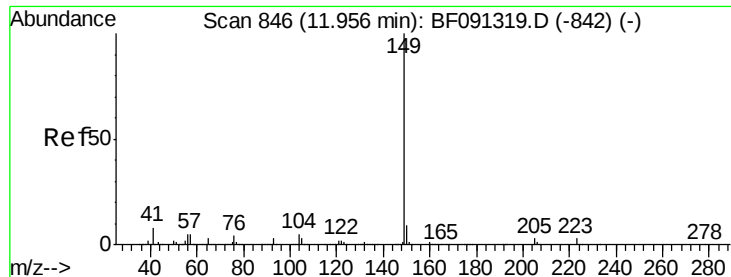
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#72
 Carbazole
 Concen: 40.73 ng
 RT: 11.61 min Scan# 816
 Delta R.T. -0.02 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Tgt Ion:167 Resp: 1413291
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.1 27.1
 139 13.7 11.5 17.3





#73

Di-n-butylphthalate

Concen: 51.00 ng

RT: 11.96 min Scan# 846

Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Instrument :

BNA_F

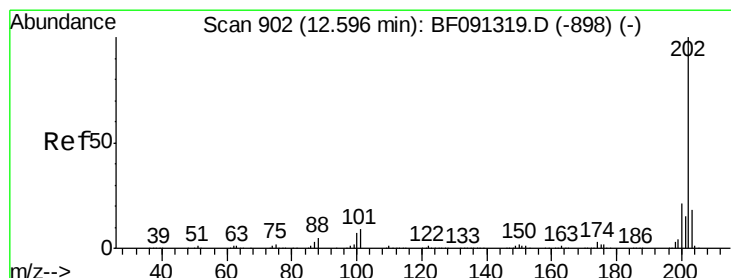
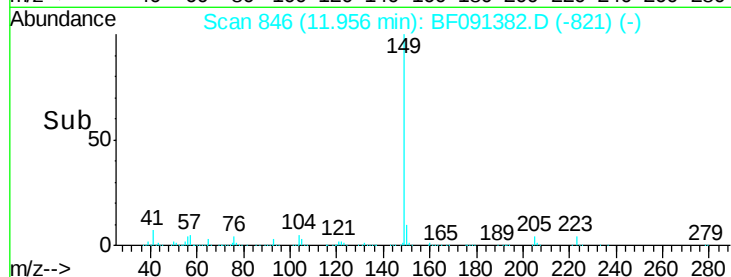
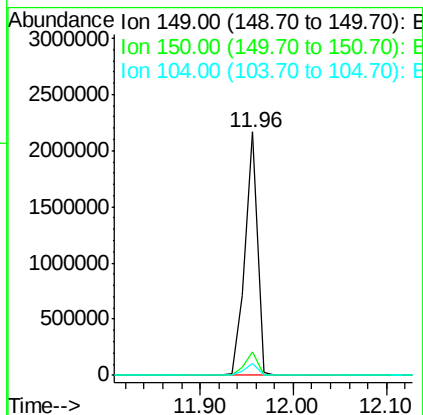
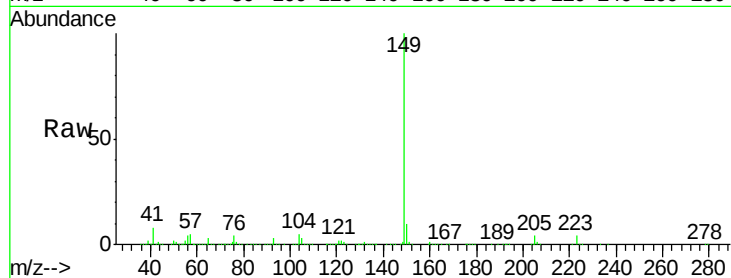
ClientSampleId :

PMW-1A-112916MSD

Tot Ion:	149	Resp:	2005497
Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	4.8	4.0	6.0

Manual Integrations
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#74

Fluoranthene

Concen: 48.63 ng

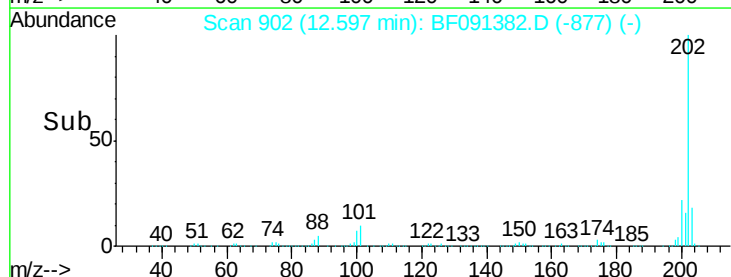
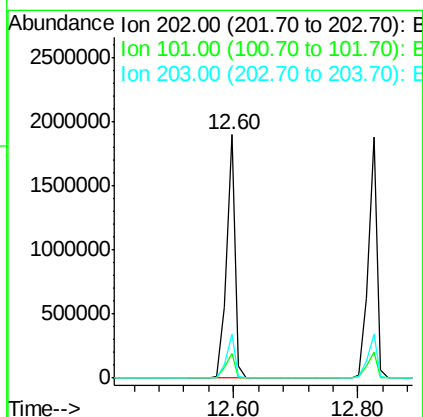
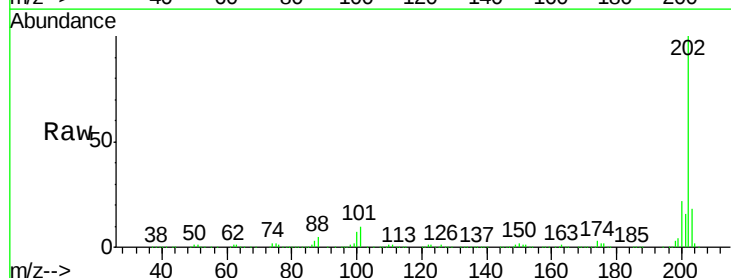
RT: 12.60 min Scan# 902

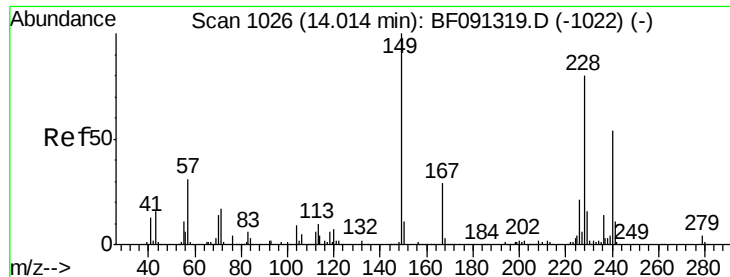
Delta R.T. -0.02 min

Lab File: BF091382.D

Acq: 1 Dec 2016 19:35

Tgt Ion:	202	Resp:	1774721
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.5
203	18.3	0.0	37.8





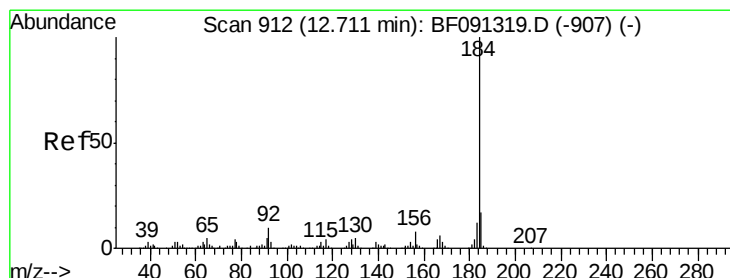
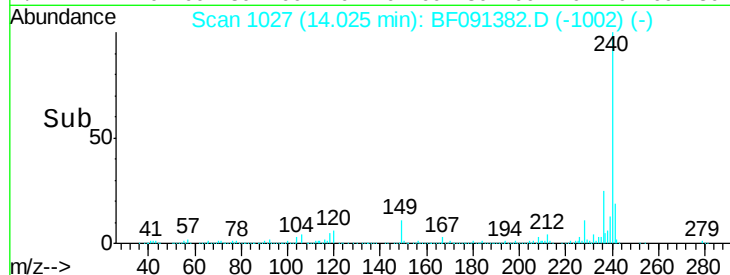
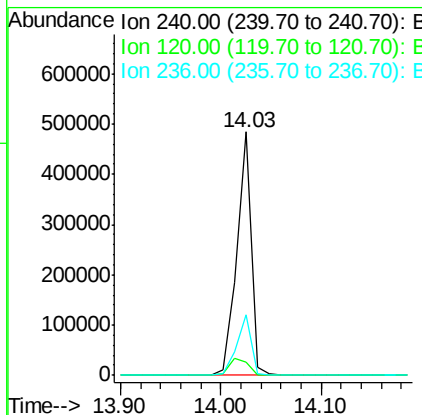
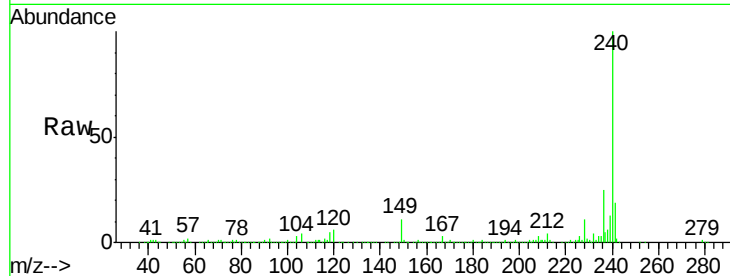
#75
 Chrvsene-d12
 Concen: 20.00 ng
 RT: 14.03 min Scan# 1027
 Delta R.T. -0.02 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.7	12.1	18.1#
236	25.0	21.0	31.6

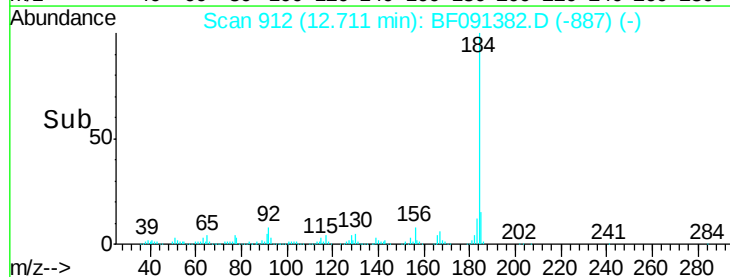
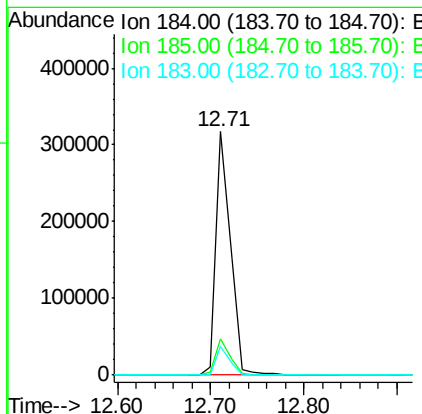
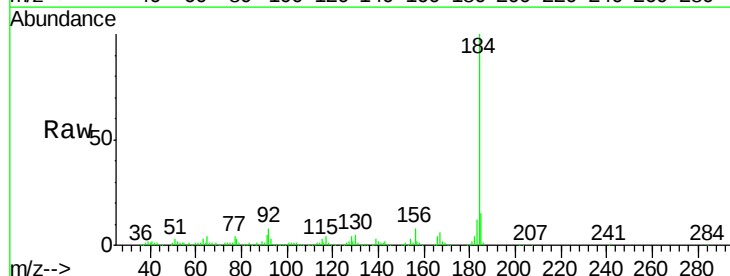
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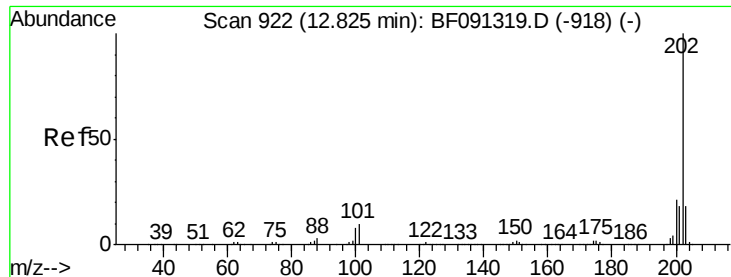
sohil
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#76
 Benzidine
 Concen: 24.22 ng
 RT: 12.71 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.7	13.1	19.7
183	11.6	8.9	13.3





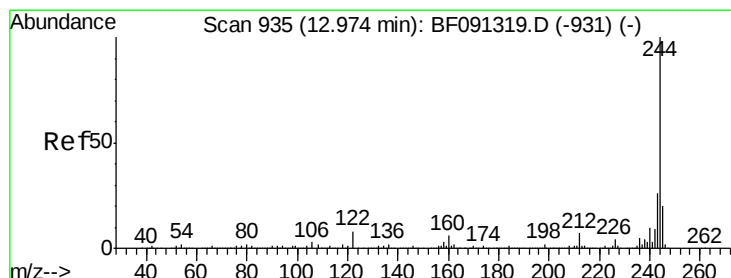
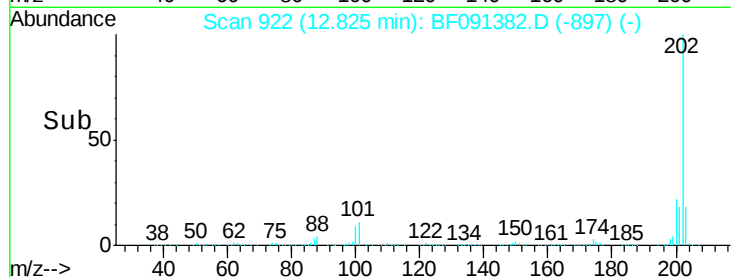
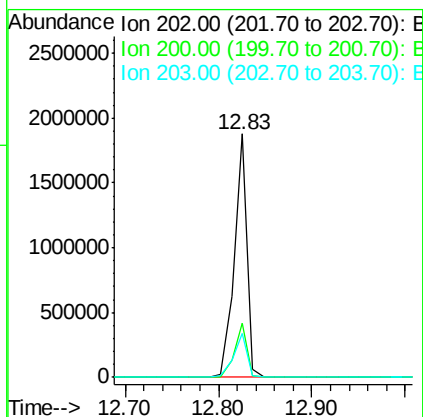
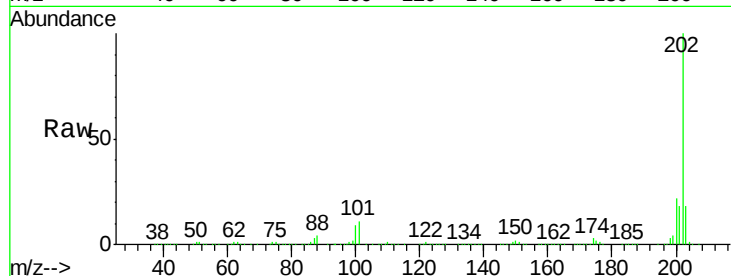
#77
Pvrene
Concen: 49.04 ng
RT: 12.83 min Scan# 922
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.6	26.4
203	18.1	14.0	21.0

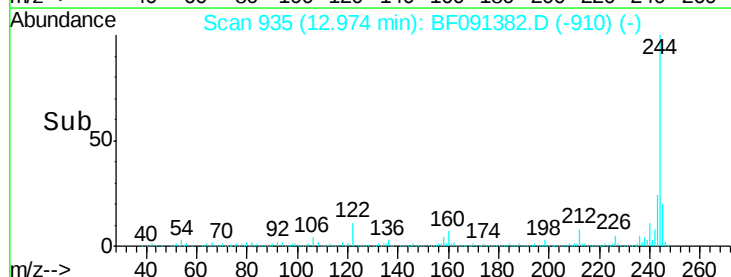
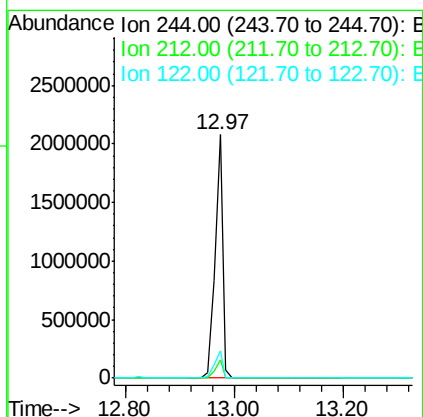
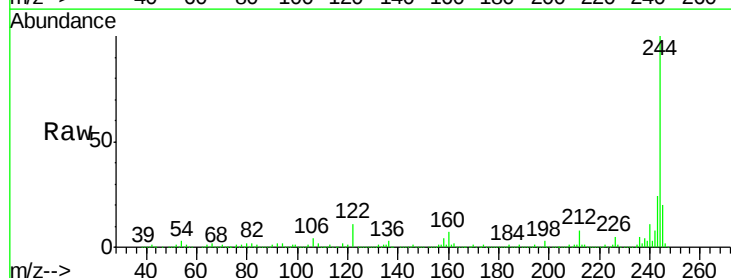
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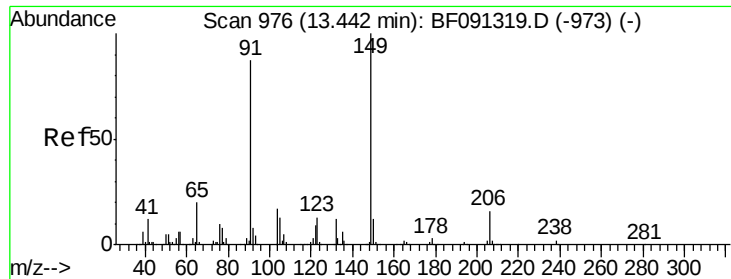
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#78
Terphenyl-d14
Concen: 94.30 ng
RT: 12.97 min Scan# 935
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.5	9.7
122	11.0	9.5	14.3





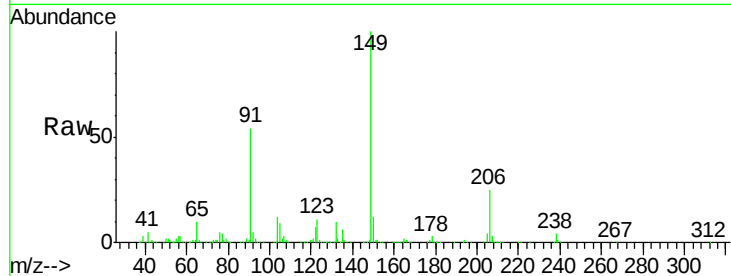
#79
Butylbenzylphthalate
Concen: 55.95 ng
RT: 13.45 min Scan# 977
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

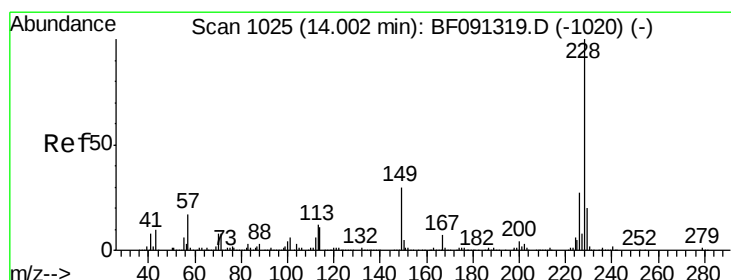
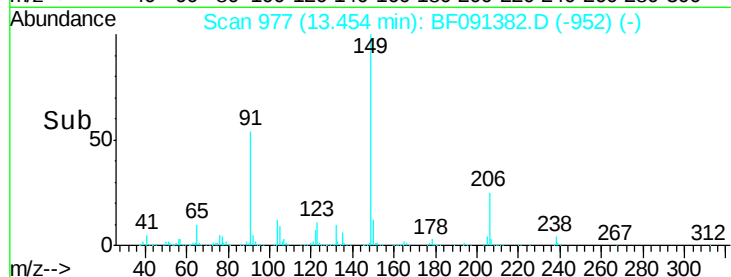
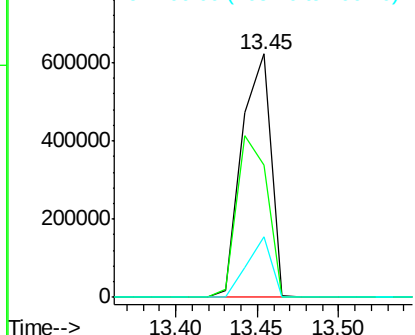
Tot Ion	Ratio	Lower	Upper
149	100		
91	54.5	57.4	86.2#
206	25.1	15.4	23.2#

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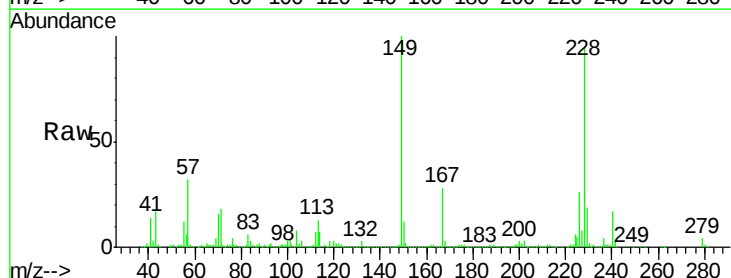


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

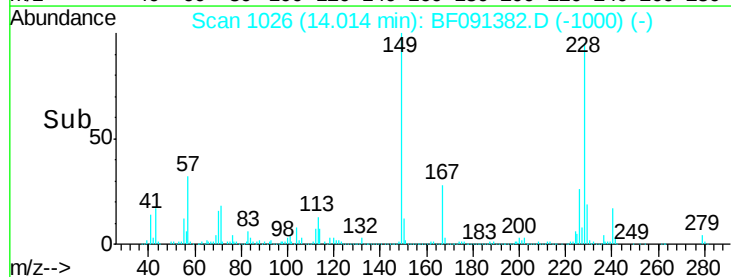
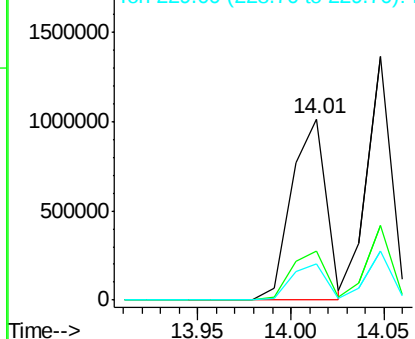


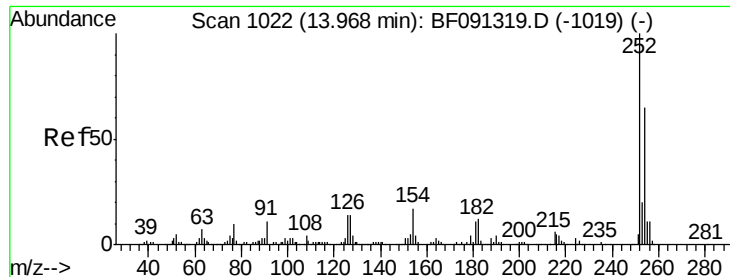
#80
Benzo(a)anthracene
Concen: 46.43 ng
RT: 14.01 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.5	33.7
229	19.9	16.4	24.6



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





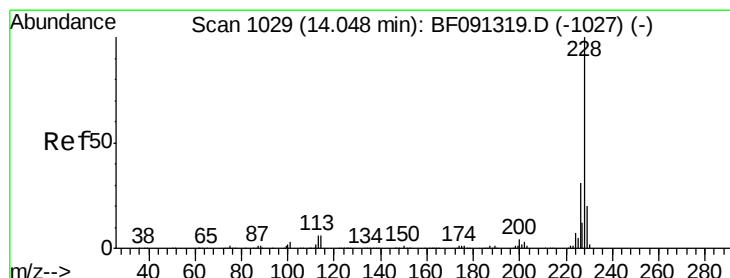
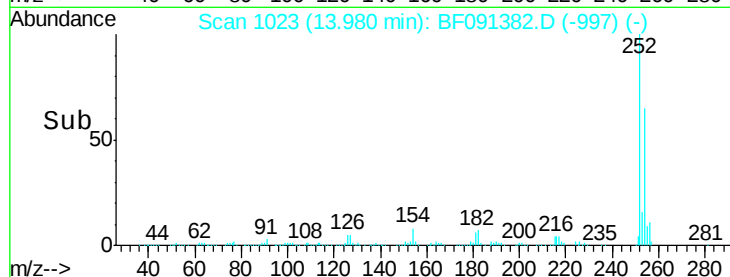
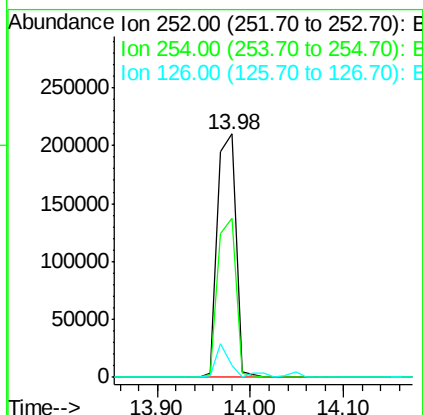
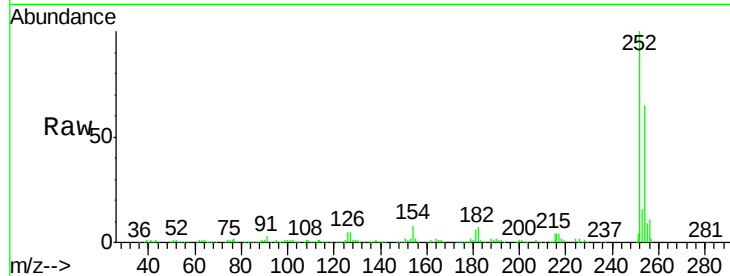
#81
3,3'-Dichlorobenzidine
Concen: 28.98 ng
RT: 13.98 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.2	52.1	78.1
126	4.9	7.5	11.3

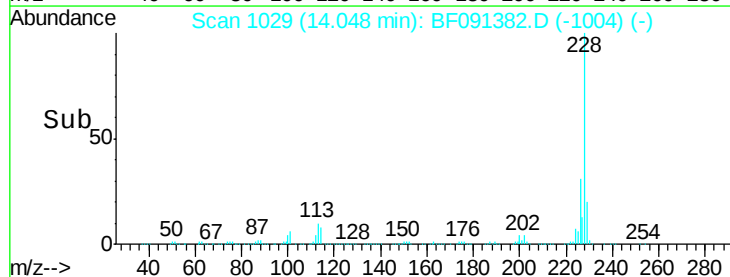
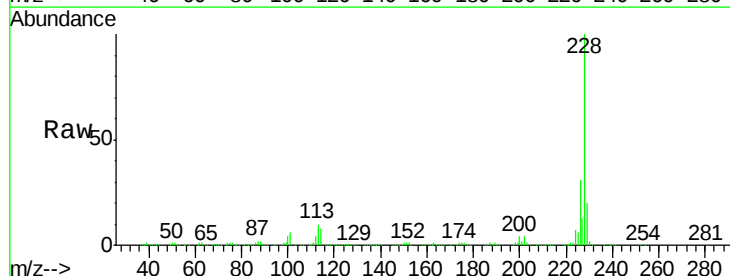
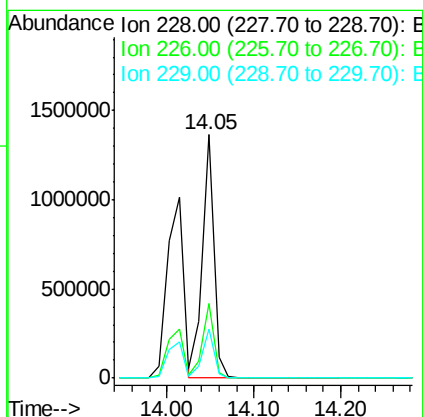
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#82
Chrysene
Concen: 44.99 ng
RT: 14.05 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.4
229	20.1	16.0	24.0





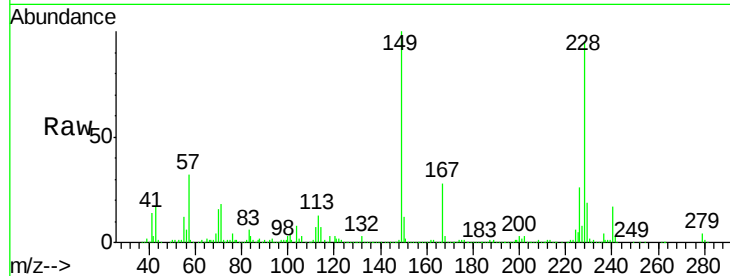
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 57.24 ng
 RT: 14.01 min Scan# 1026
 Delta R.T. -0.02 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 PMW-1A-112916MSD

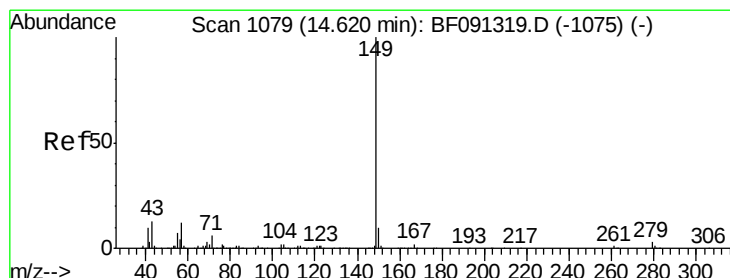
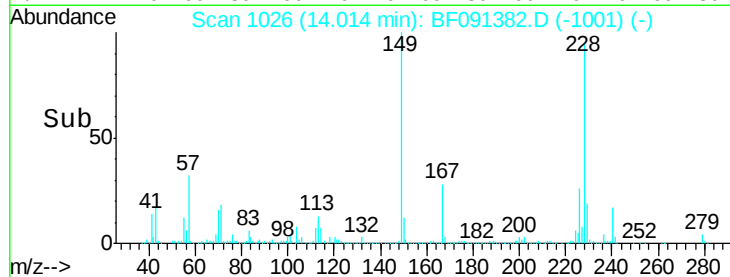
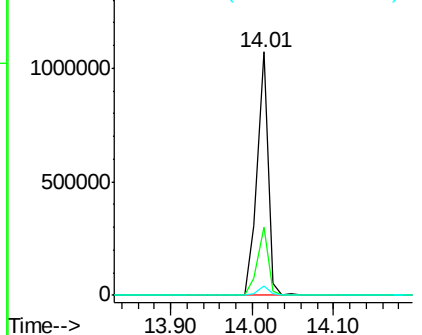
Tot Ion	Ratio	Resp	Lower	Upper
149	100	993109		
167	28.2	19.6	29.4	
279	3.7	1.9	2.9#	

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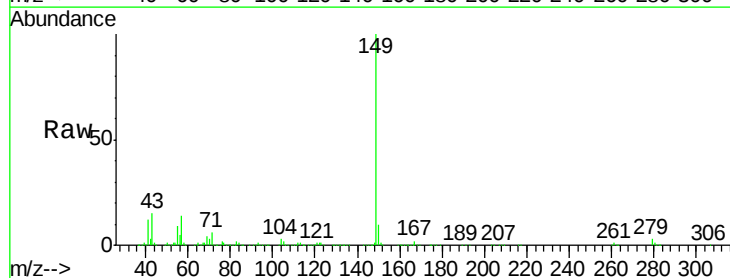


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

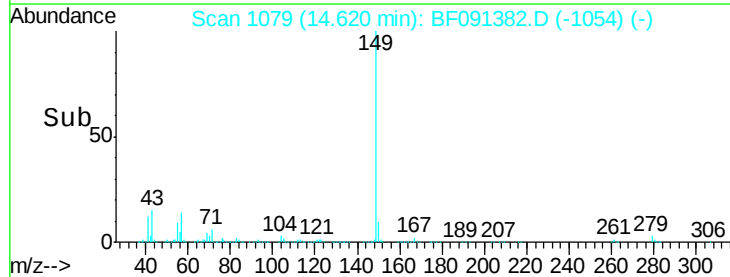
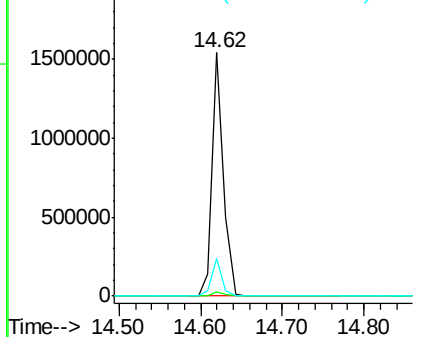


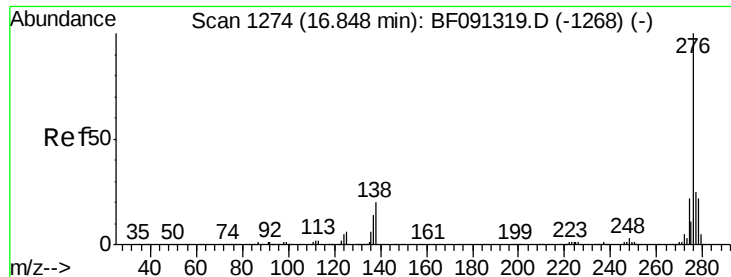
#84
 Di-n-octyl phthalate
 Concen: 57.66 ng
 RT: 14.62 min Scan# 1079
 Delta R.T. -0.02 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1513992		
167	1.6	1.3	1.9	
43	13.9	11.9	17.9	



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0





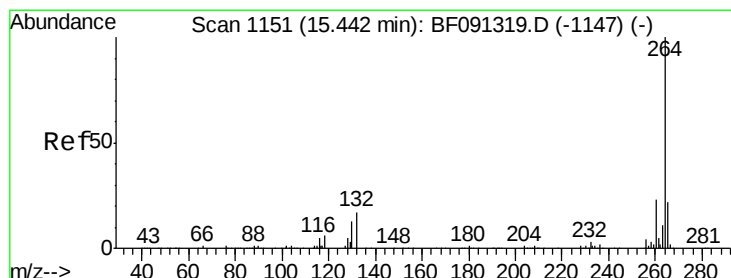
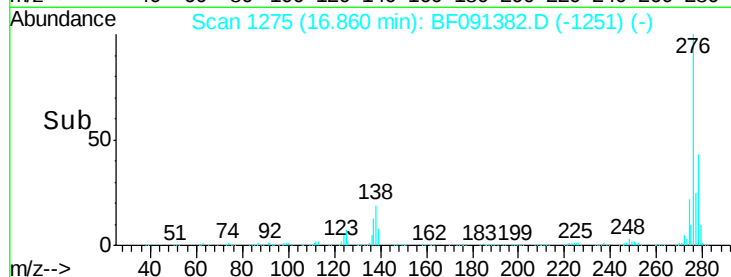
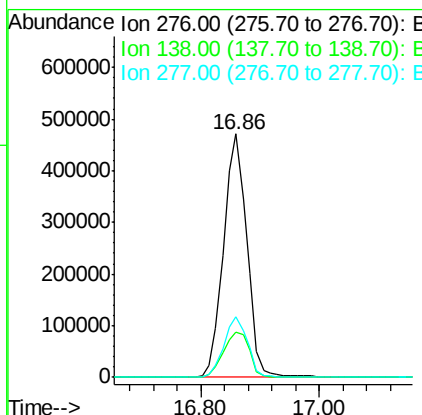
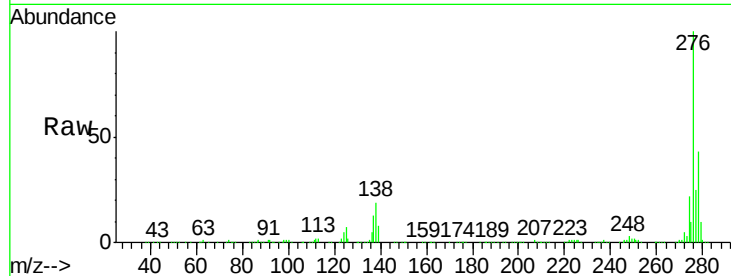
#85
Indeno(1,2,3-cd)pyrene
Concen: 50.29 ng
RT: 16.86 min Scan# 1275
Delta R.T. -0.03 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	21.0	31.4
277	25.2	20.2	30.2

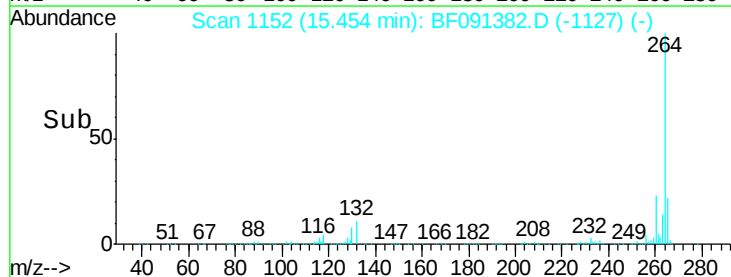
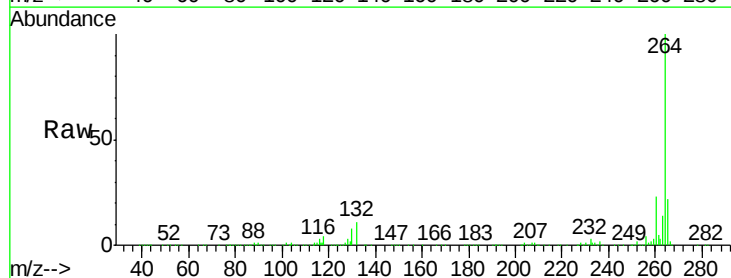
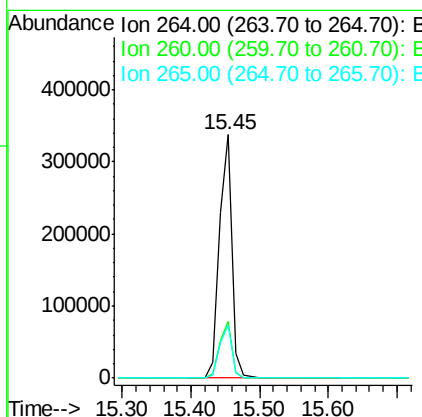
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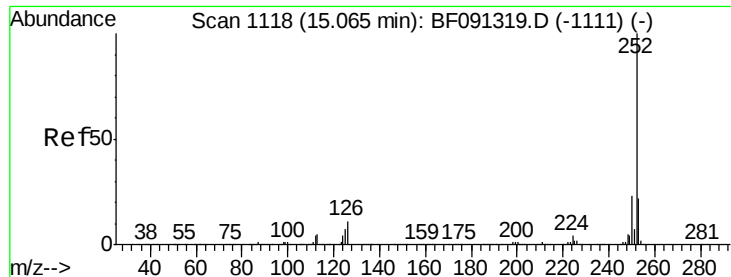
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.8	28.2
265	21.5	17.0	25.6





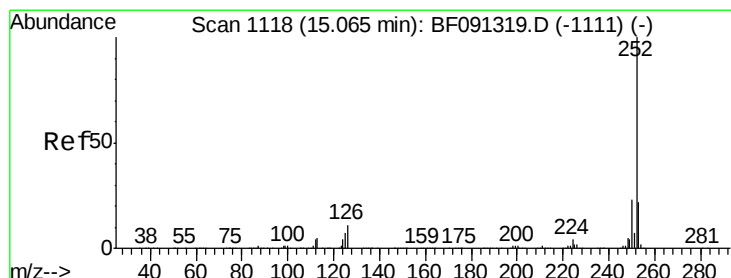
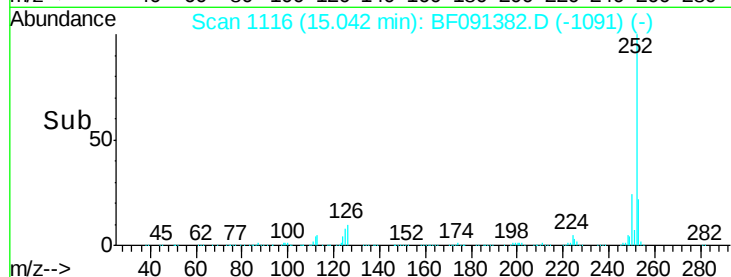
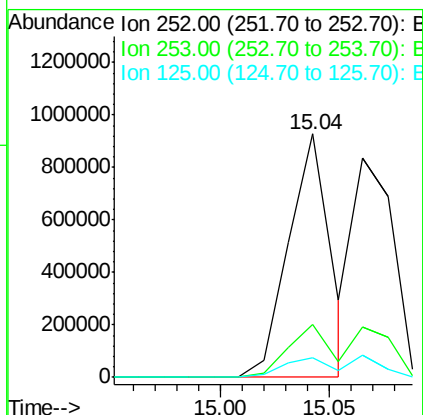
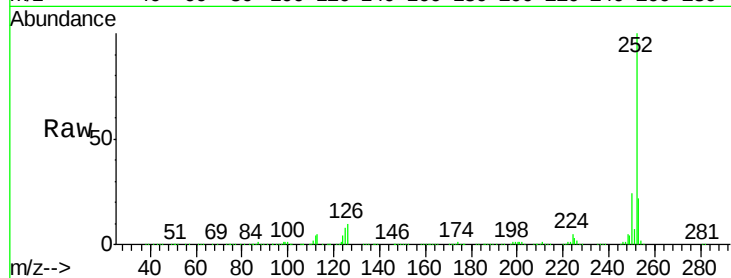
#87
Benzo(b)fluoranthene
Concen: 45.43 ng
RT: 15.04 min Scan# 1116
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	7.9	8.6	13.0

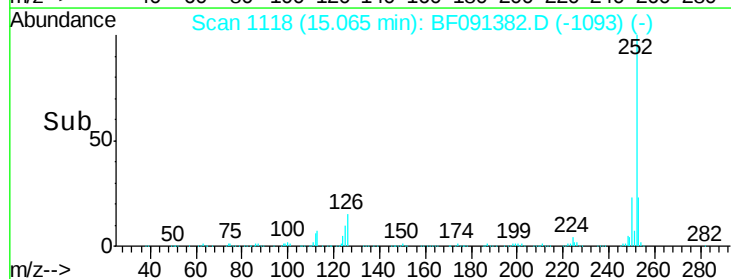
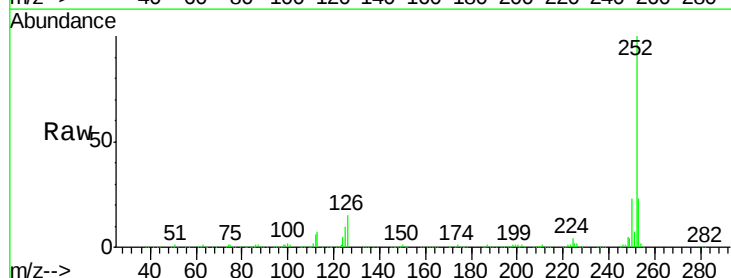
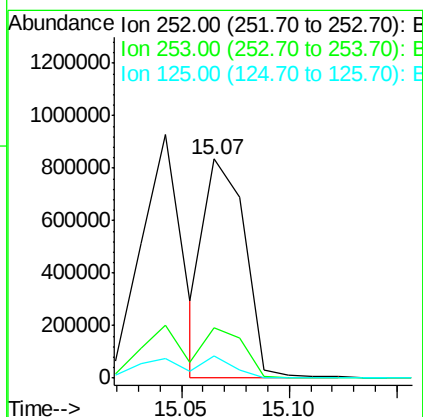
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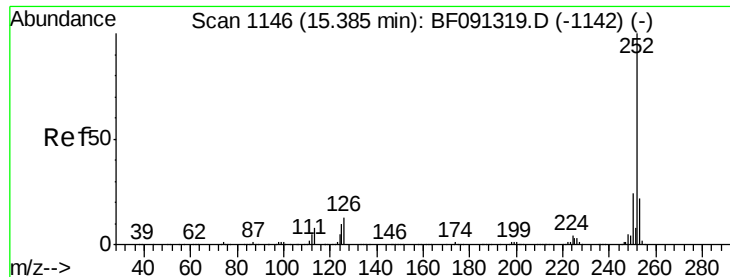
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#88
Benzo(k)fluoranthene
Concen: 47.33 ng m
RT: 15.07 min Scan# 1118
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	10.2	9.6	14.4





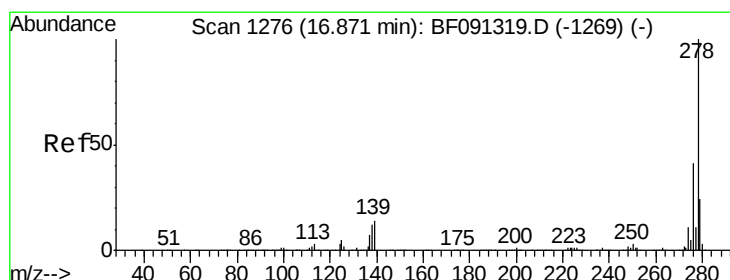
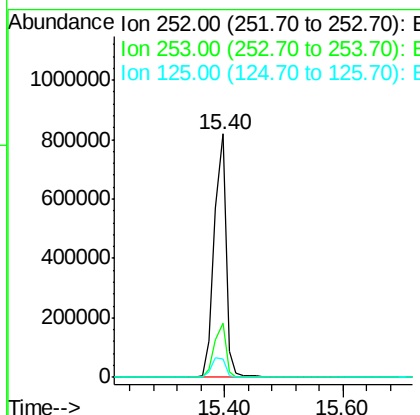
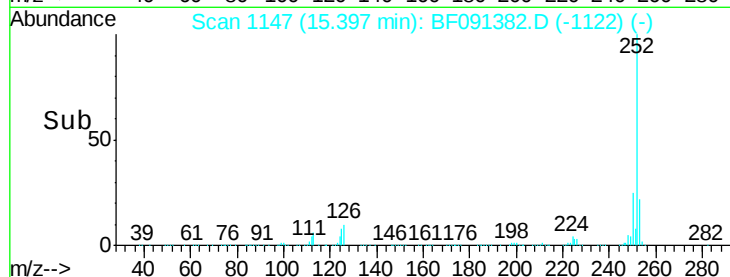
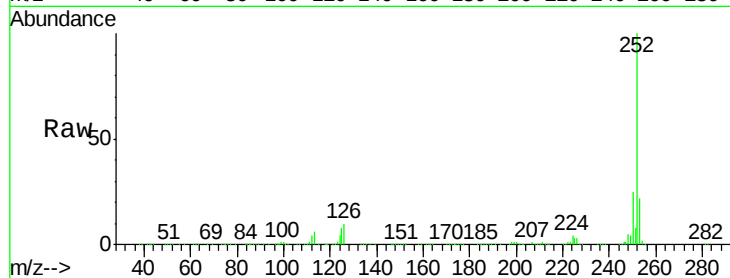
#89
Benzo(a)pyrene
Concen: 46.10 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Instrument :
BNA_F
ClientSampleId :
PMW-1A-112916MSD

Tot Ion:252 Resp: 1126308
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.4
125 7.7 10.4 15.6#

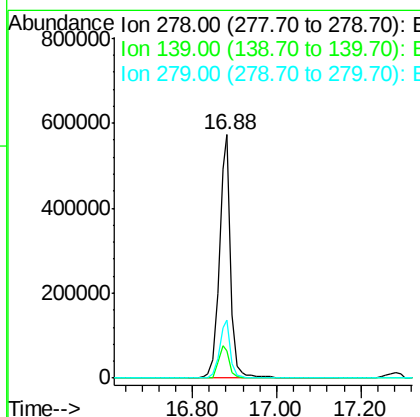
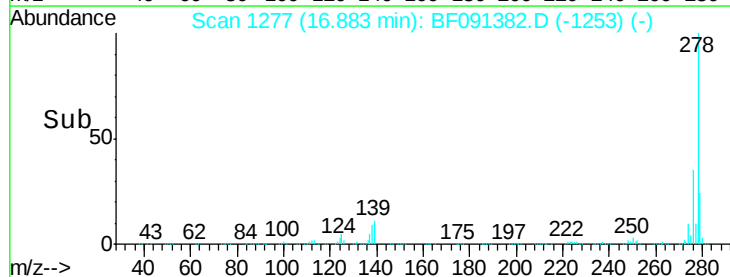
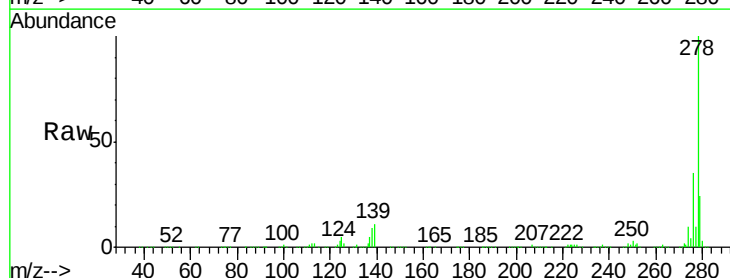
Manual Integrations
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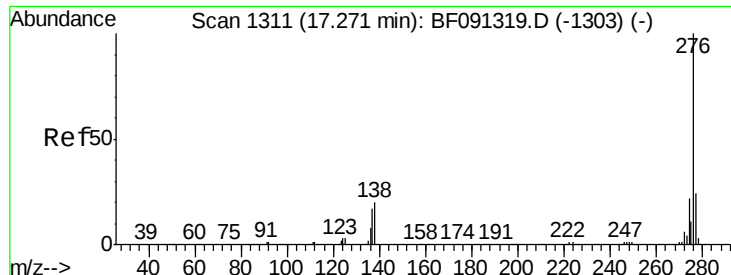
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#90
Dibenzo(a,h)anthracene
Concen: 47.25 ng
RT: 16.88 min Scan# 1277
Delta R.T. -0.03 min
Lab File: BF091382.D
Acq: 1 Dec 2016 19:35

Tgt Ion:278 Resp: 1067657
Ion Ratio Lower Upper
278 100
139 11.4 15.1 22.7#
279 24.0 19.0 28.6





#91
 Benzo(a,h,i)perylene
 Concen: 46.31 ng
 RT: 17.28 min Scan# 1312
 Delta R.T. -0.03 min
 Lab File: BF091382.D
 Acq: 1 Dec 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 PMW-1A-112916MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	18.2	15.4	23.0

Manual Integrations
 APPROVED

sohil
 12/2/2016 4:20:32 PM

