

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091919\
 Data File : BP000336.D
 Acq On : 19 Sep 2019 17:40
 Operator : HP/JU
 Sample : K4960-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 20 02:07:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	226019	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	799476	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	427185	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	760796	20.00	ng	0.00
76) Chrysene-d12	13.99	240	637602	20.00	ng	0.00
87) Perylene-d12	15.47	264	741713	20.00	ng	0.00

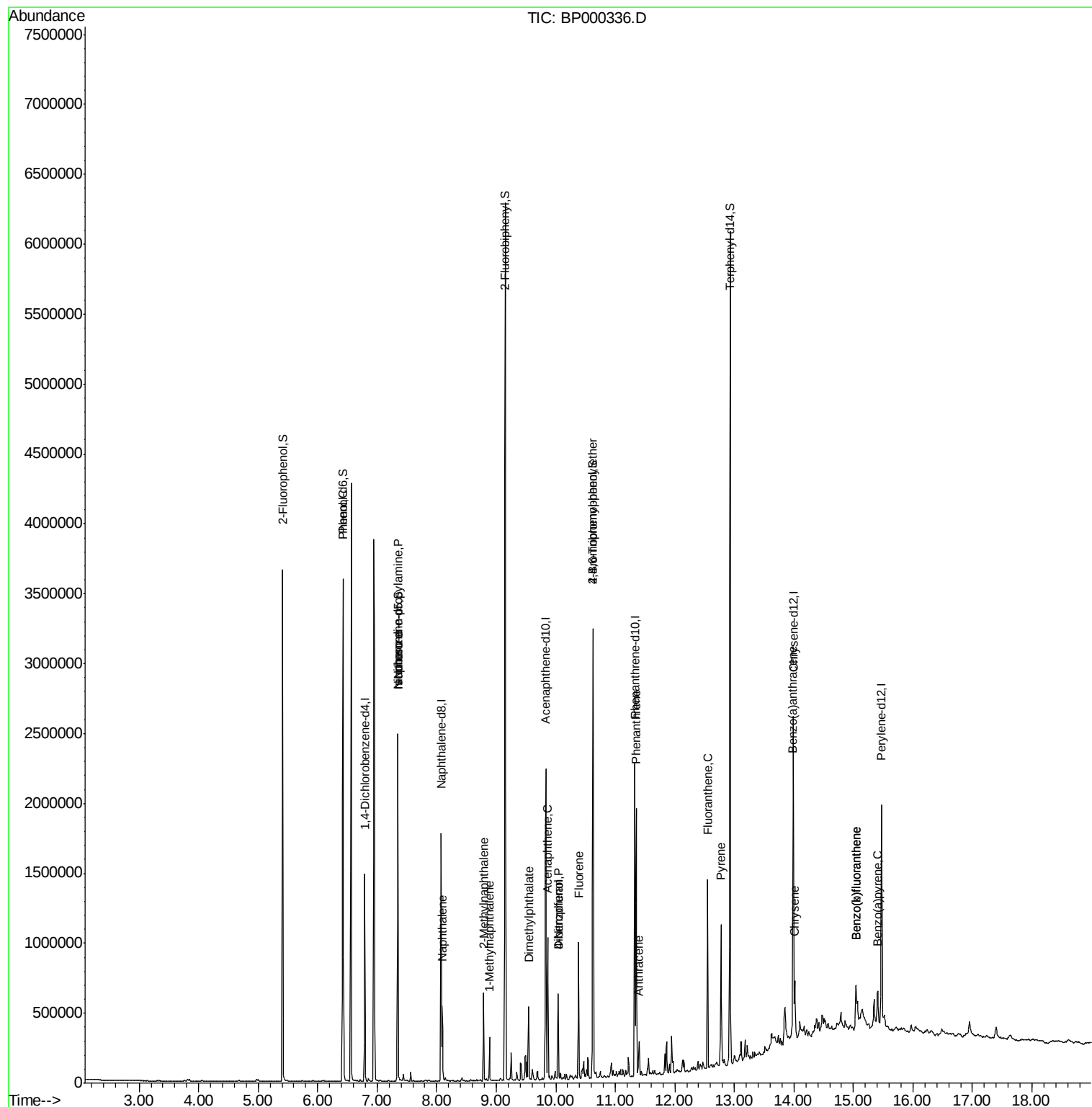
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1185333	90.54	ng	0.00
7) Phenol-d6	6.42	99	1513326	94.30	ng	0.00
23) Nitrobenzene-d5	7.35	82	804044	64.89	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	429035	101.26	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1780214	75.00	ng	0.00
79) Terphenyl-d14	12.93	244	1891933	62.25	ng	0.00

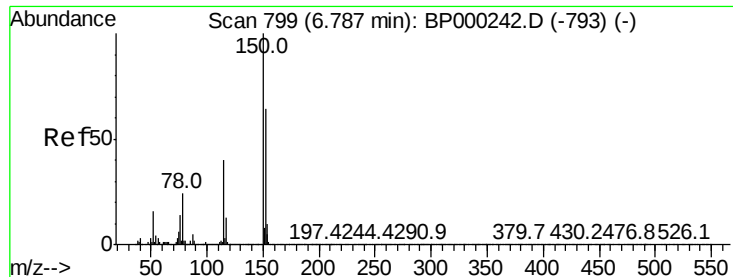
Target Compounds				Qvalue		
9) Benzaldehyde	6.56	77	26045	Below Cal		83
10) Phenol	6.43	94	88845	4.873 ng		94
19) n-Nitroso-di-n-propylamine	7.35	70	99511	11.728 ng	#	75
25) Isophorone	7.35	82	802685	32.714 ng	#	63
31) Naphthalene	8.09	128	216482	5.847 ng		98
37) 2-Methylnaphthalene	8.79	142	149895	5.922 ng		98
38) 1-Methylnaphthalene	8.89	142	79323	3.346 ng		100
50) Dimethylphthalate	9.55	163	226824	7.793 ng		98
52) Acenaphthene	9.86	154	198379	8.436 ng		100
55) Dibenzofuran	10.04	168	236019	7.100 ng		97
56) 4-Nitrophenol	10.04	139	85803	15.531 ng	#	14
58) Fluorene	10.38	166	248454	9.676 ng		99
67) 4-Bromophenyl-phenylether	10.62	248	29038	3.375 ng	#	1
69) Atrazine	11.14	200	183	Below Cal		87
71) Phenanthrene	11.35	178	654473	17.166 ng		99
72) Anthracene	11.40	178	93942	2.394 ng		99
75) Fluoranthene	12.55	202	497006	12.140 ng		96
78) Pyrene	12.78	202	381149	7.990 ng		99
81) Benzo(a)anthracene	13.98	228	160399	3.983 ng		97
83) Chrysene	14.02	228	140558	3.554 ng		96
88) Benzo(b)fluoranthene	15.04	252	231755	5.238 ng		98
89) Benzo(k)fluoranthene	15.04	252	231755	6.004 ng		99
90) Benzo(a)pyrene	15.41	252	112910	2.804 ng		99

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

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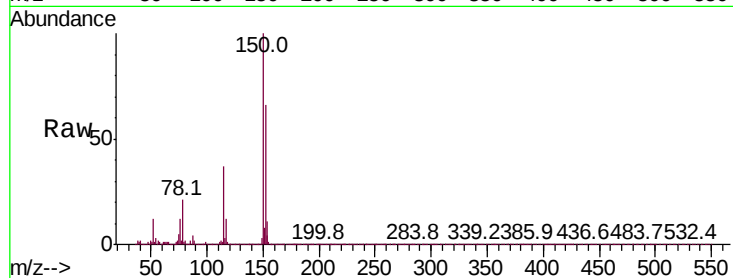




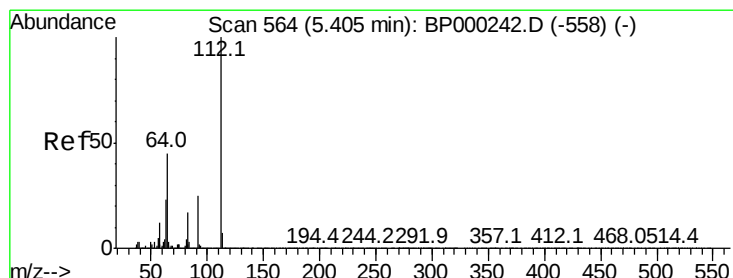
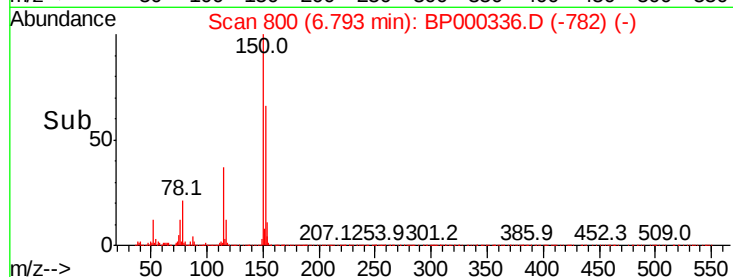
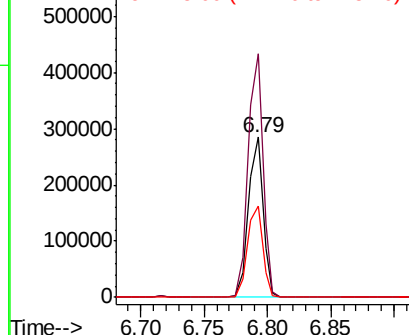
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	125.2	187.8
115	57.0	49.7	74.5



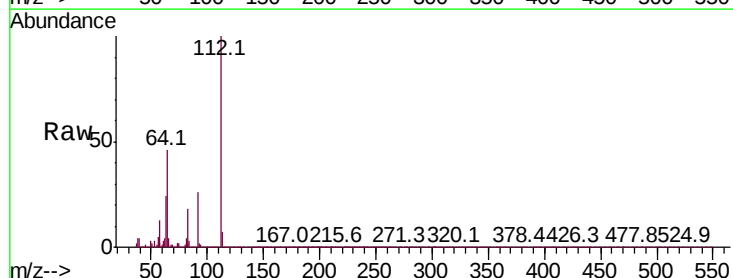
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



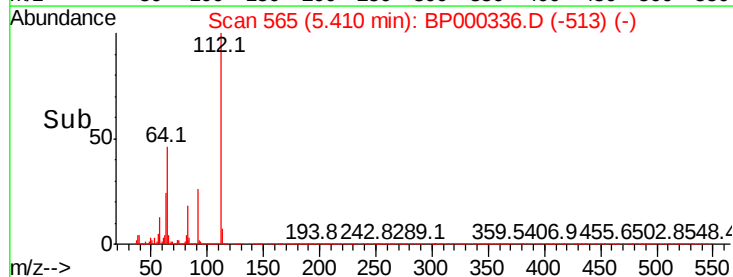
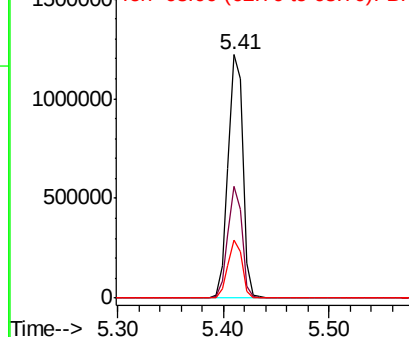
#5

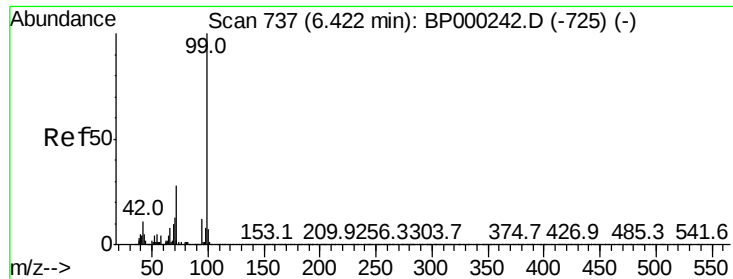
2-Fluorophenol
Concen: 90.537 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.9	36.2	54.4
63	24.0	18.3	27.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BP0
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 94.298 ng

RT: 6.42 min Scan# 737

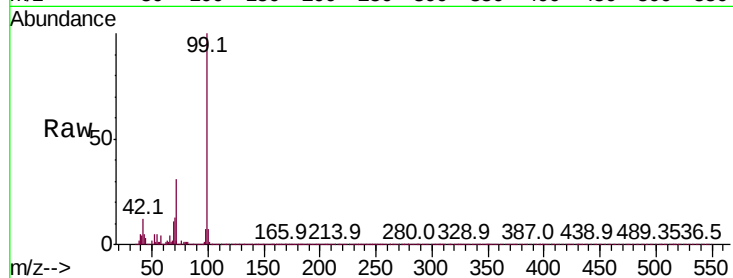
Delta R.T. -0.00 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

Tot Ion: 99 Resp: 1513326

Ion	Ratio	Lower	Upper
99	100		
42	11.5	8.5	12.7
71	31.4	22.6	34.0

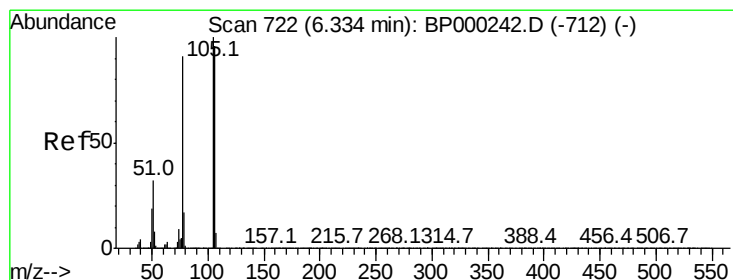
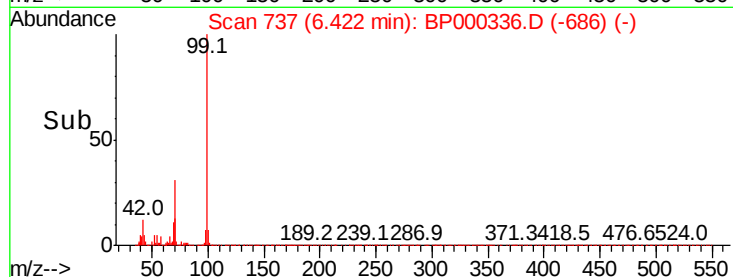
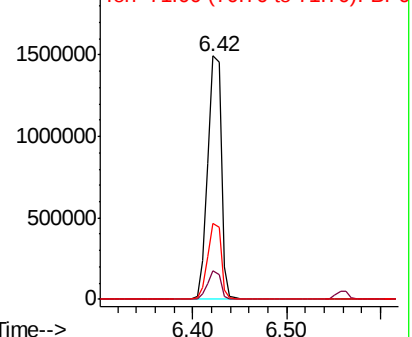


Abundance

Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.56 min Scan# 761

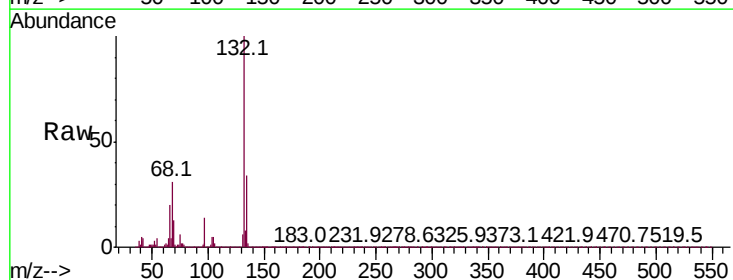
Delta R.T. 0.23 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

Tgt Ion: 77 Resp: 26045

Ion	Ratio	Lower	Upper
77	100		
105	94.2	89.6	129.6
106	85.1	84.6	124.6

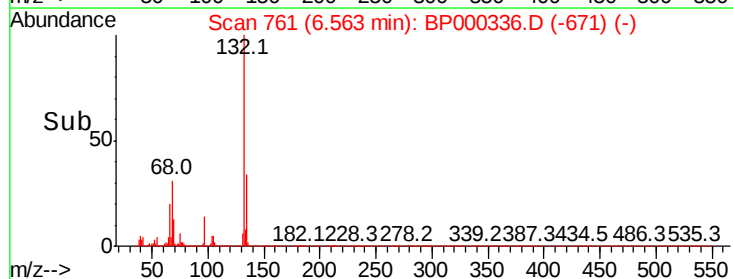
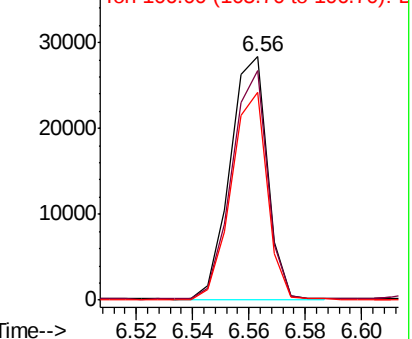


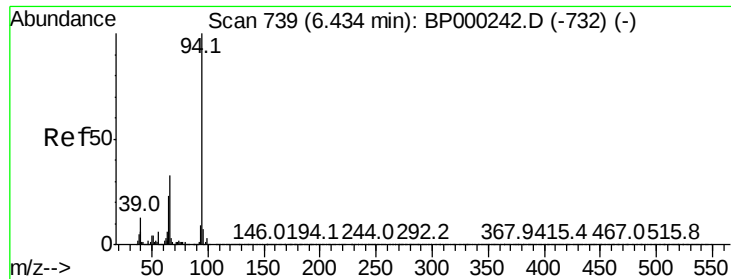
Abundance

Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.873 ng

RT: 6.43 min Scan# 739

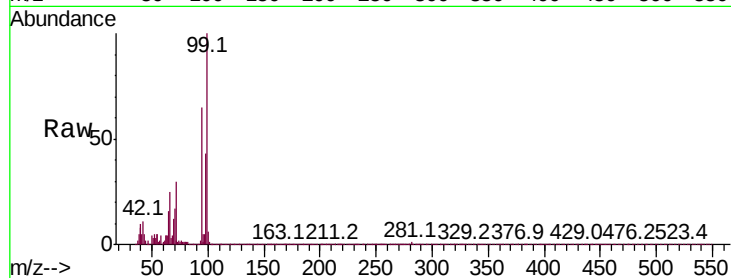
Delta R.T. -0.00 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

Tot Ion: 94 Resp: 88845

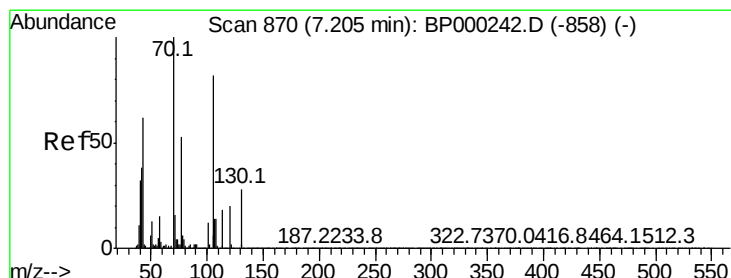
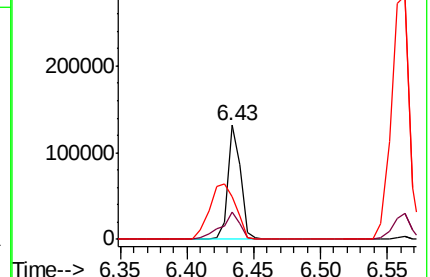
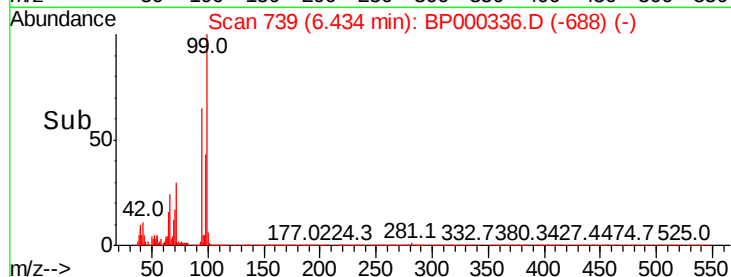
Ion	Ratio	Lower	Upper
94	100		
65	24.3	3.3	43.3
66	37.4	12.7	52.7



Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0



#19

n-Nitroso-di-n-propylamine

Concen: 11.728 ng

RT: 7.35 min Scan# 894

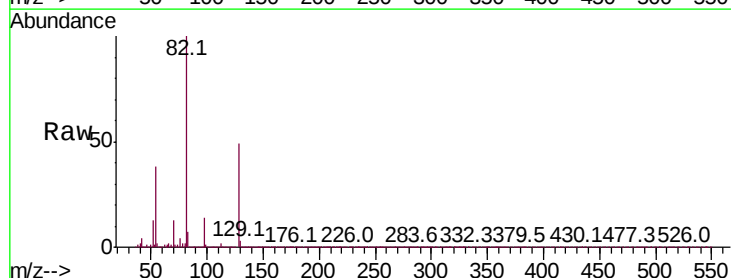
Delta R.T. 0.14 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

Tgt Ion: 70 Resp: 99511

Ion	Ratio	Lower	Upper
70	100		
42	34.5	30.7	46.1
101	0.0	9.6	14.4#
130	2.6	22.0	33.0#

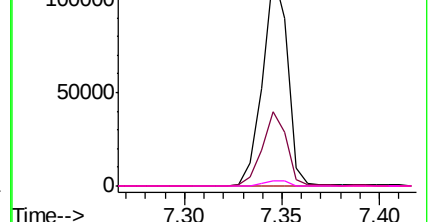
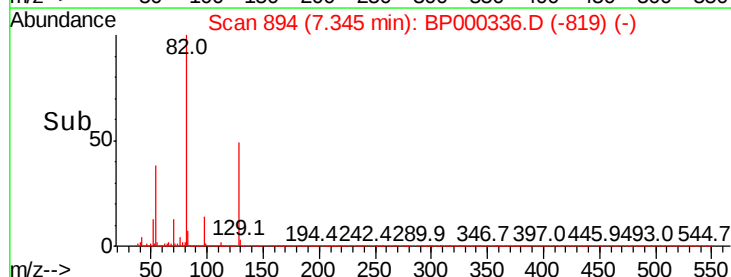


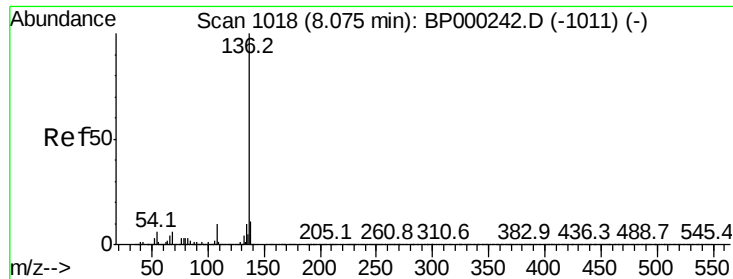
Abundance Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 101.00 (100.70 to 101.70): E

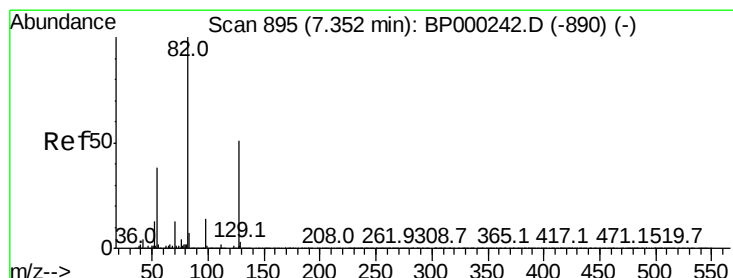
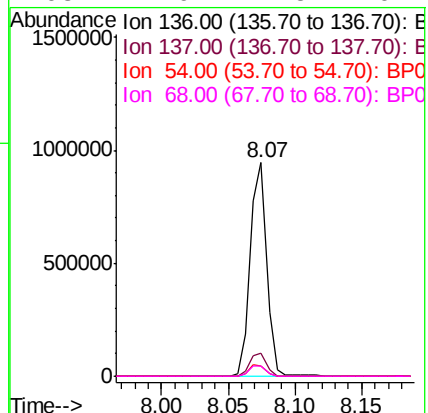
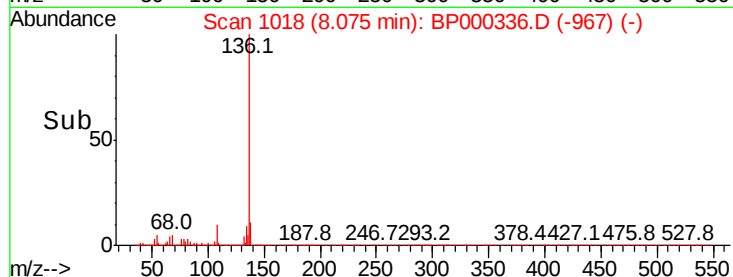
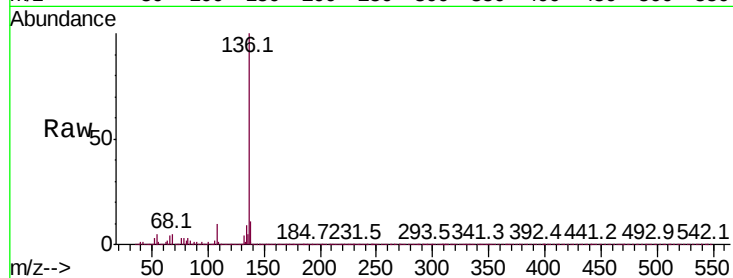
Ion 130.00 (129.70 to 130.70): E





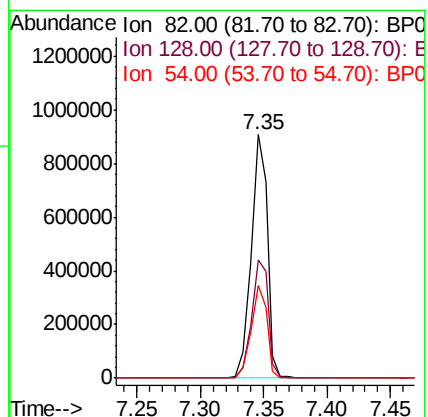
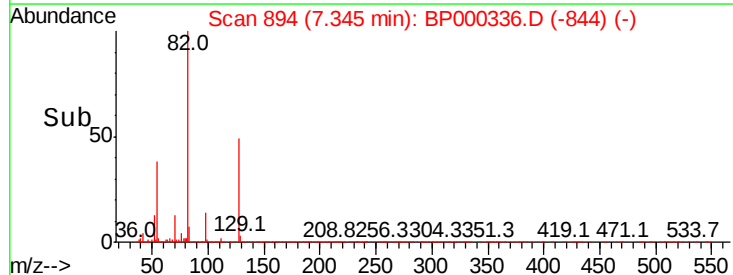
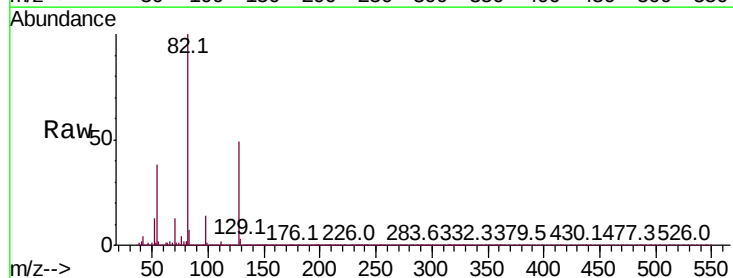
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

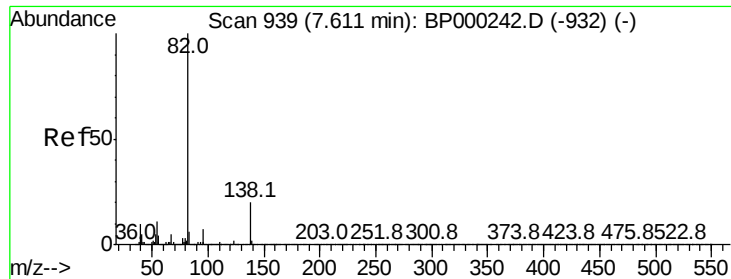
Tot Ion:136	Resp:	799476
Ion Ratio	Lower	Upper
136 100		
137 10.7	8.6	13.0
54 4.9	4.5	6.7
68 4.9	4.5	6.7



#23
Nitrobenzene-d5
Concen: 64.888 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

Tgt Ion: 82	Resp:	804044
Ion Ratio	Lower	Upper
82 100		
128 48.6	40.7	61.1
54 38.1	30.1	45.1





#25

Isophorone

Concen: 32.714 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.27 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

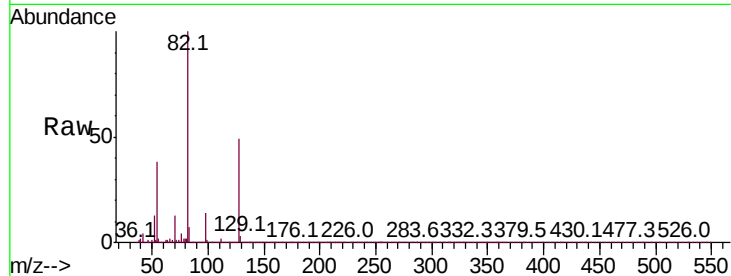
Tot Ion: 82 Resp: 802685

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

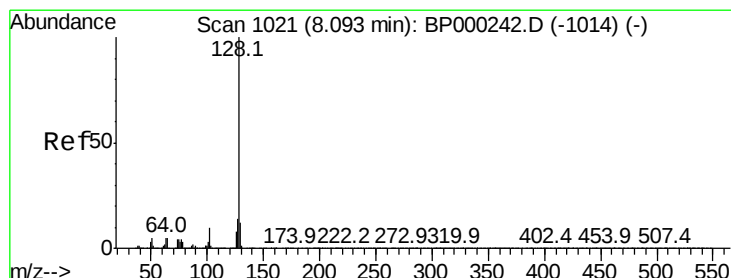
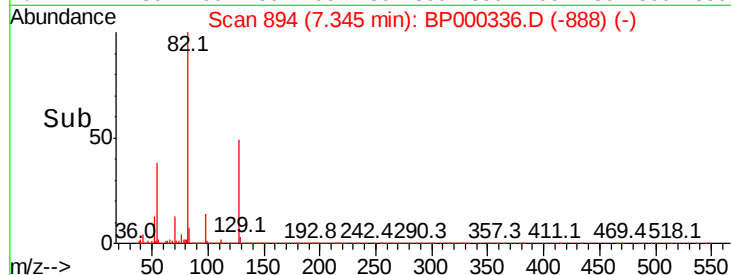
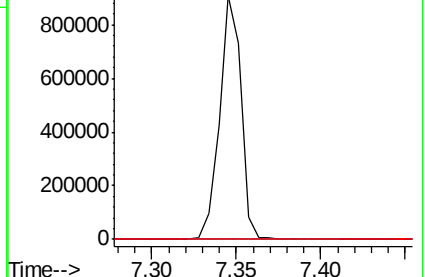
138 0.0 15.9 23.9#



Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 5.847 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

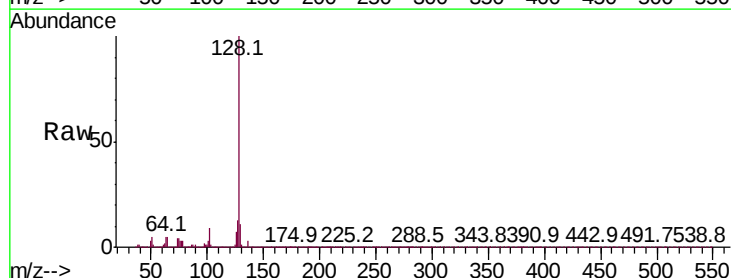
Tgt Ion: 128 Resp: 216482

Ion Ratio Lower Upper

128 100

129 11.3 9.2 13.8

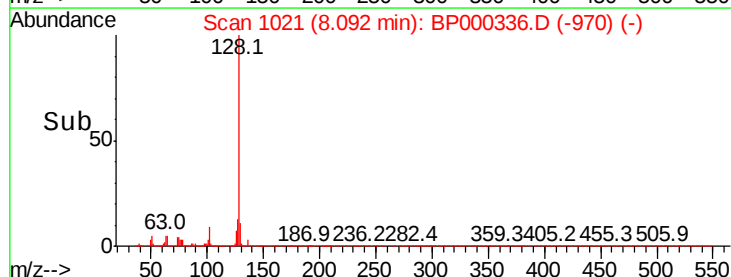
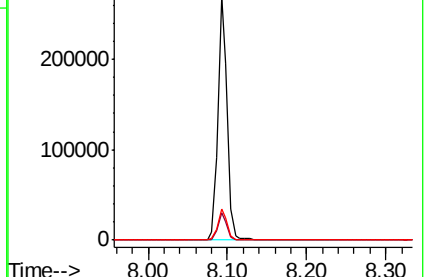
127 12.8 11.0 16.6

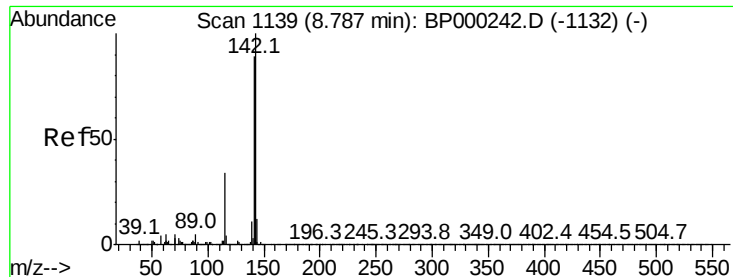


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

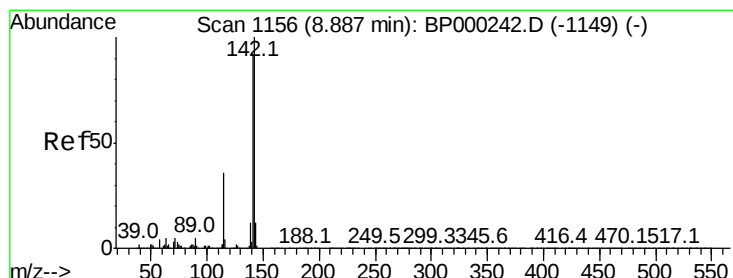
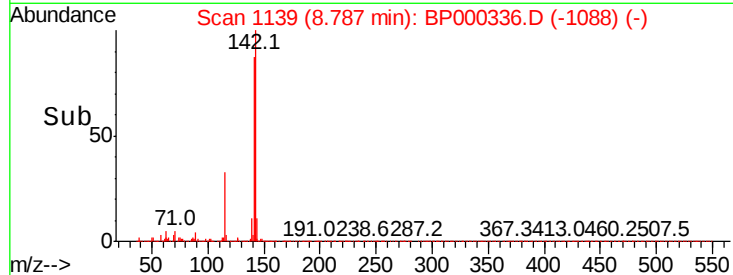
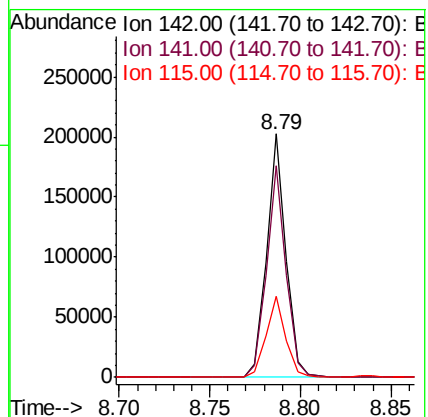
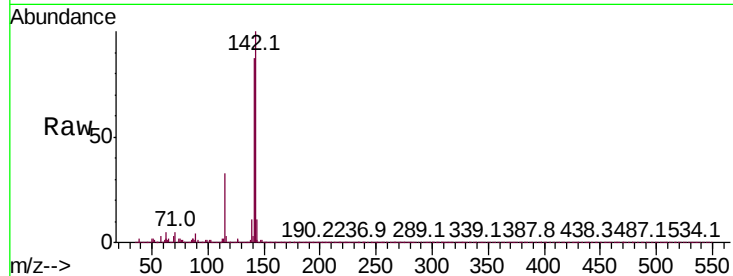
Ion 127.00 (126.70 to 127.70): E





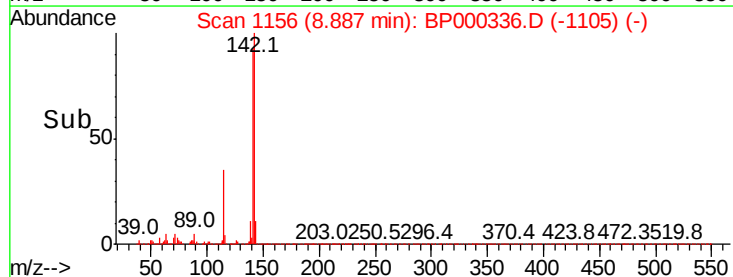
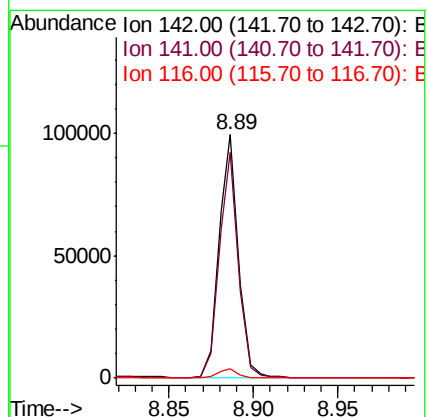
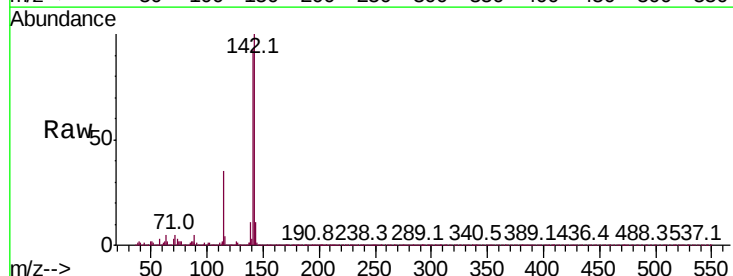
#37
2-Methylnaphthalene
Concen: 5.922 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

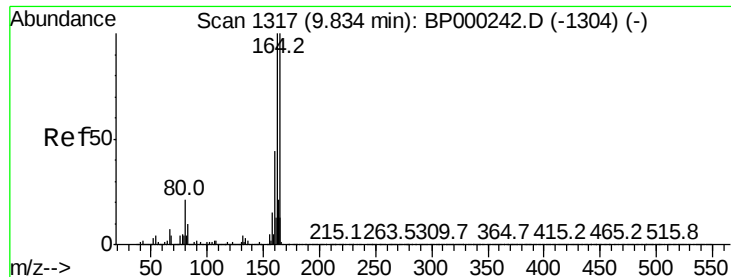
Tot Ion	Ratio	Lower	Upper
142	100		
141	86.9	71.3	106.9
115	33.0	27.2	40.8



#38
1-Methylnaphthalene
Concen: 3.346 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.9	110.9
116	4.0	3.0	4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

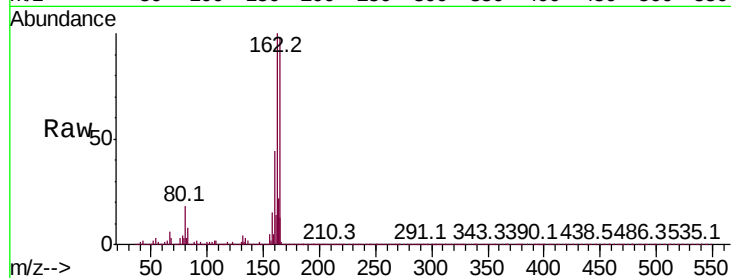
Tot Ion:164 Resp: 427185

Ion Ratio Lower Upper

164 100

162 101.6 79.9 119.9

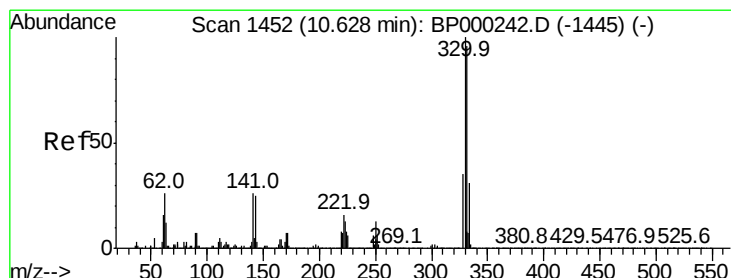
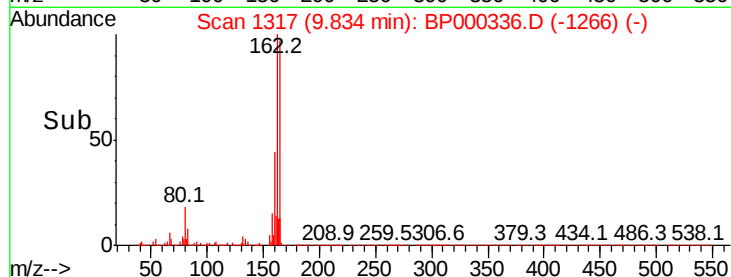
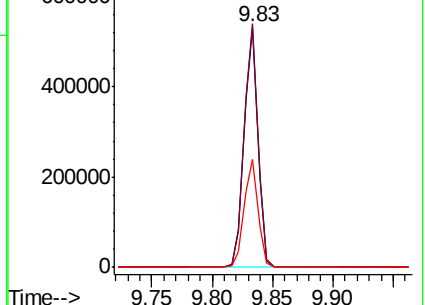
160 45.0 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 101.257 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.00 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

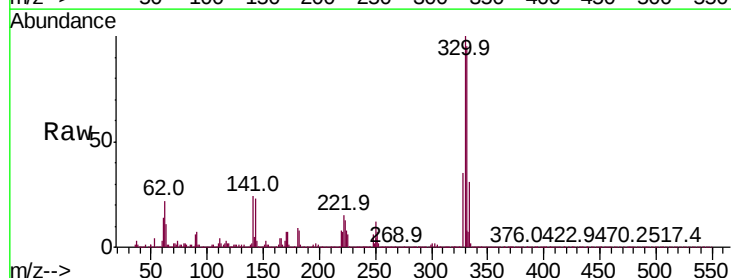
Tgt Ion:330 Resp: 429035

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

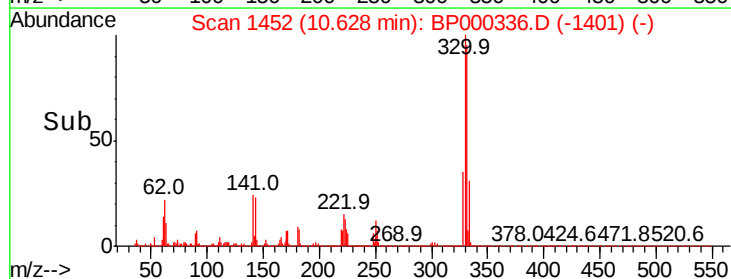
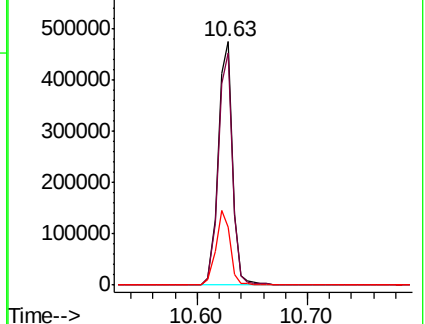
141 30.2 26.5 39.7

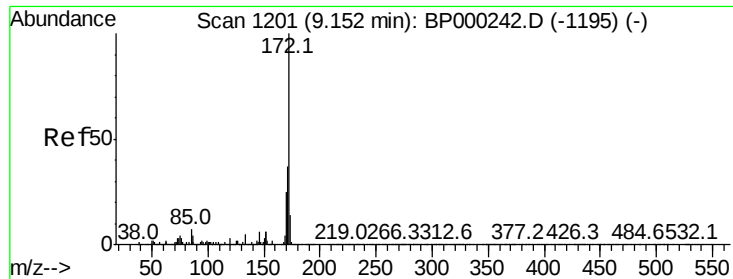


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

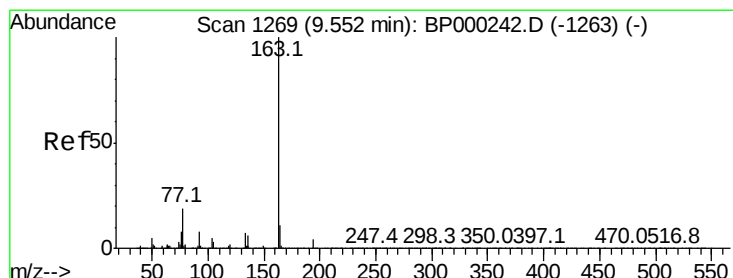
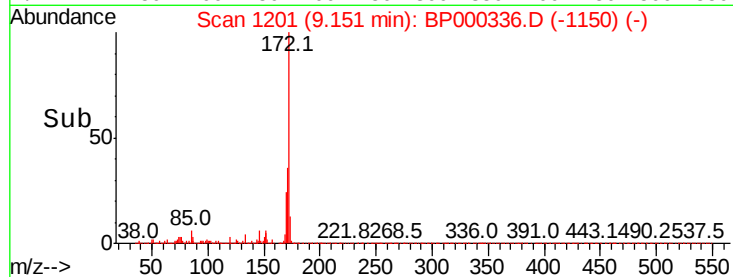
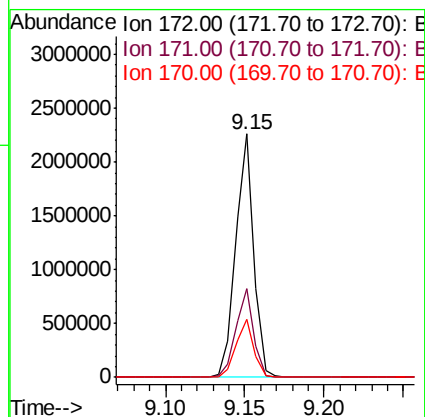
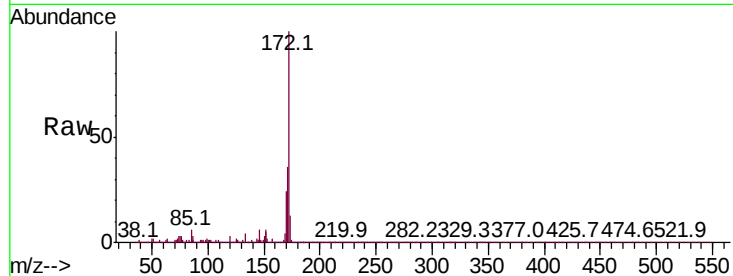




#45
2-Fluorobiphenyl
Concen: 75.004 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

Tot Ion:172 Resp: 1780214

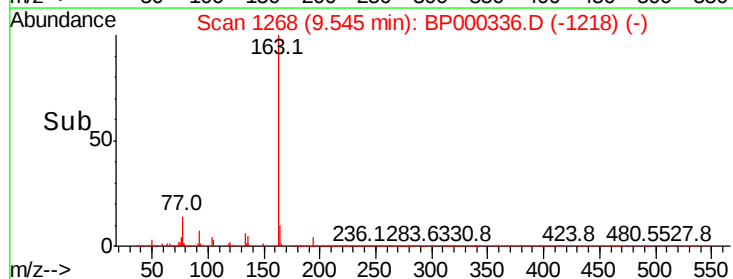
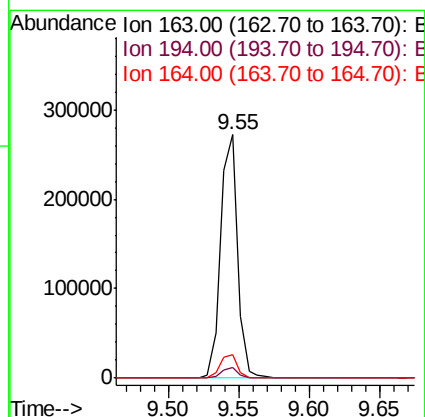
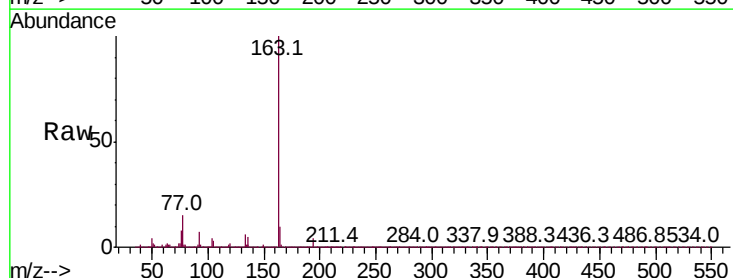
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.8	44.6
170	23.8	19.8	29.6

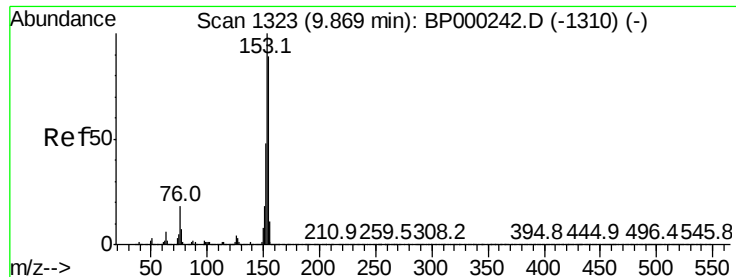


#50
Dimethylphthalate
Concen: 7.793 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

Tgt Ion:163 Resp: 226824

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	9.9	8.5	12.7





#52

Acenaphthene

Concen: 8.436 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

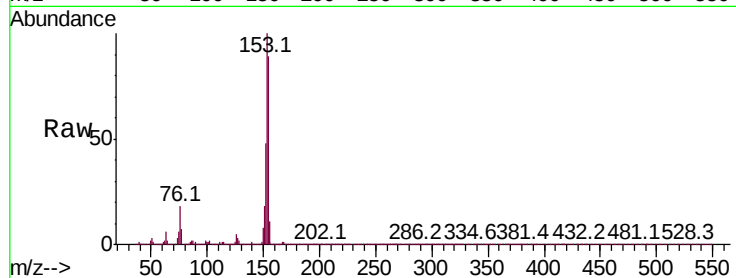
Tot Ion:154 Resp: 198379

Ion Ratio Lower Upper

154 100

153 112.2 89.8 134.6

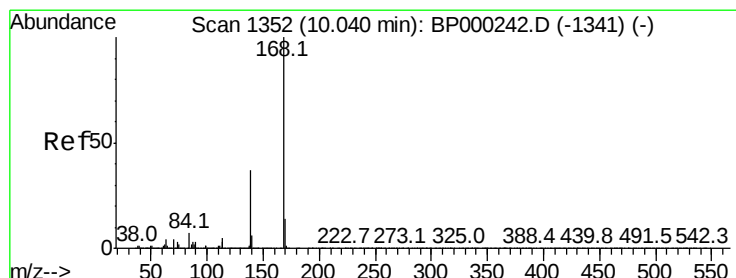
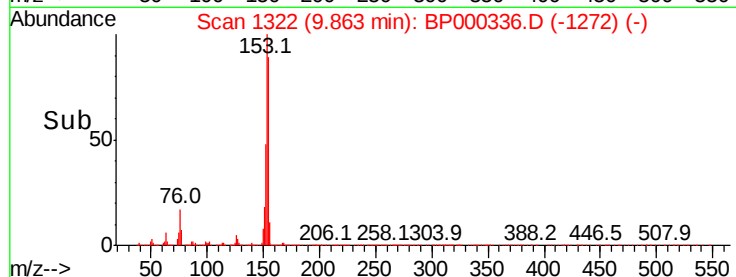
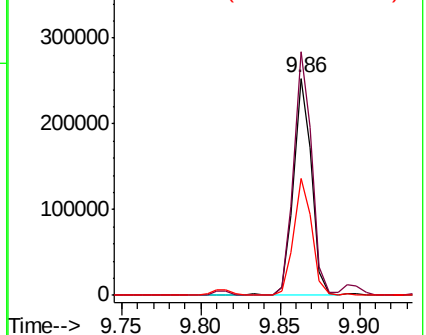
152 53.9 43.4 65.0



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



#55

Dibenzofuran

Concen: 7.100 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.00 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

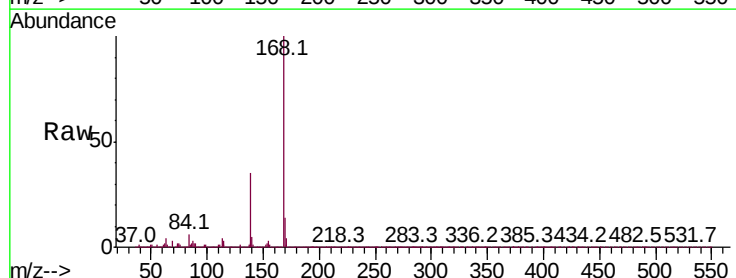
Tgt Ion:168 Resp: 236019

Ion Ratio Lower Upper

168 100

139 34.9 30.0 45.0

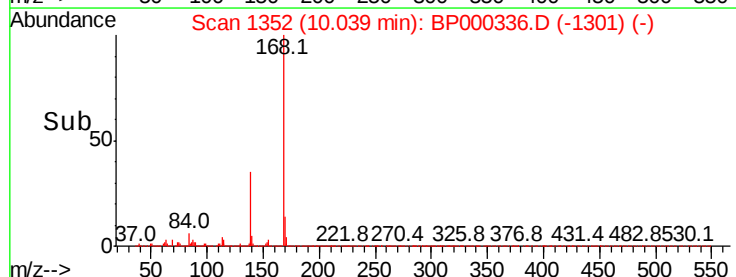
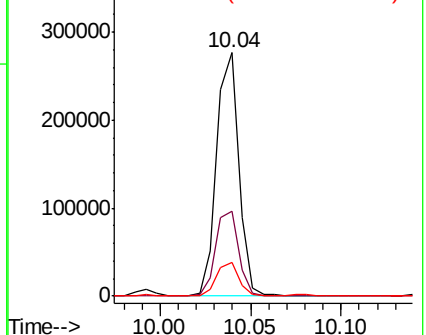
169 13.9 11.0 16.6

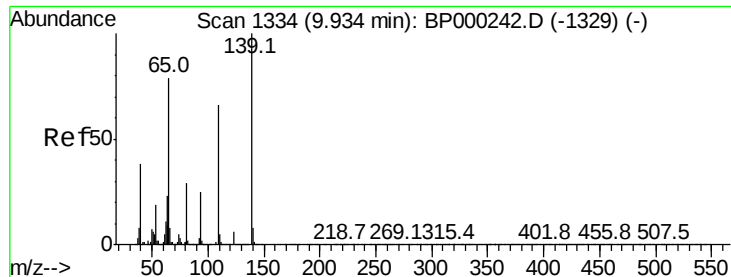


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 15.531 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.11 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

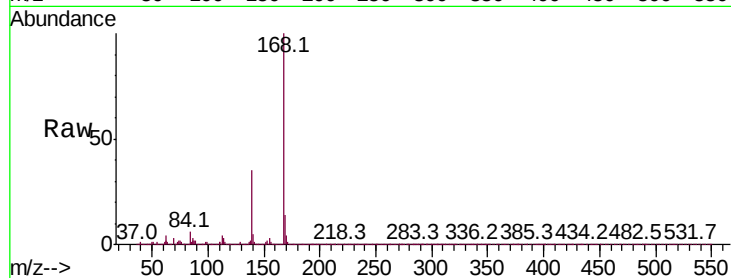
Tot Ion:139 Resp: 85803

Ion Ratio Lower Upper

139 100

109 0.9 46.2 86.2#

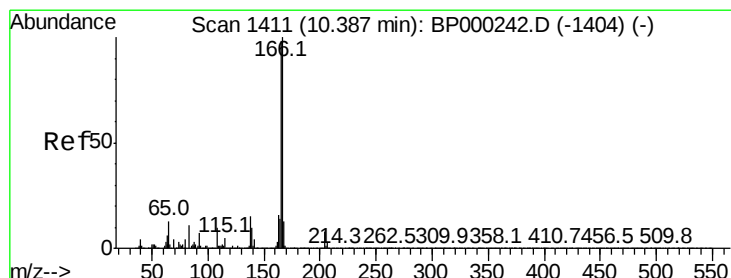
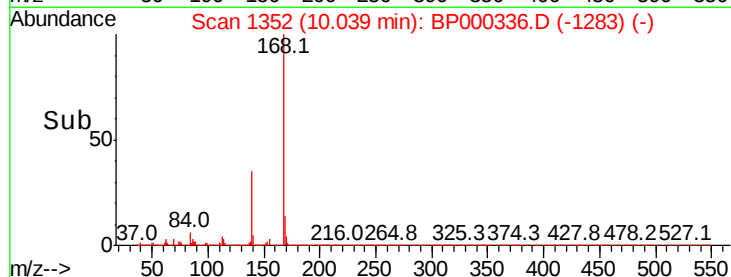
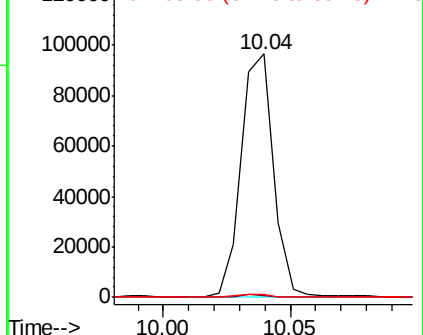
65 1.1 59.4 99.4#



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): BP0



#58

Fluorene

Concen: 9.676 ng

RT: 10.38 min Scan# 1410

Delta R.T. -0.01 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

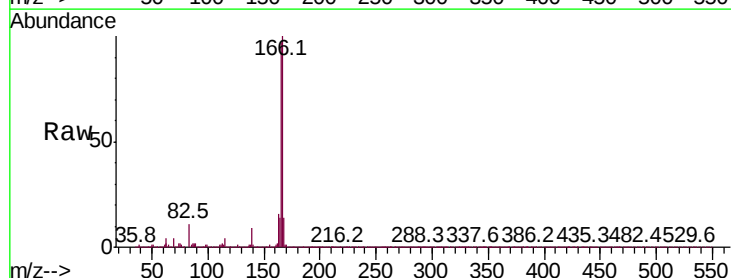
Tgt Ion:166 Resp: 248454

Ion Ratio Lower Upper

166 100

165 97.2 78.2 117.2

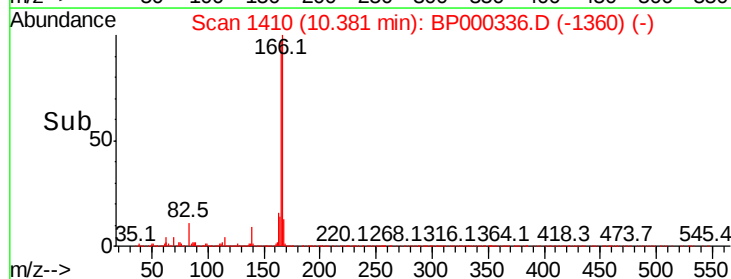
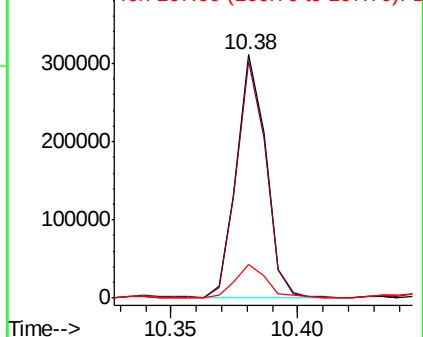
167 13.7 10.7 16.1

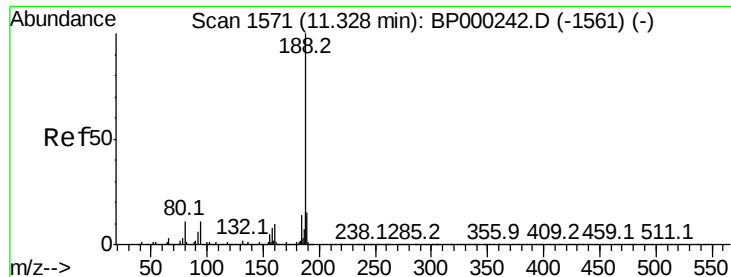


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

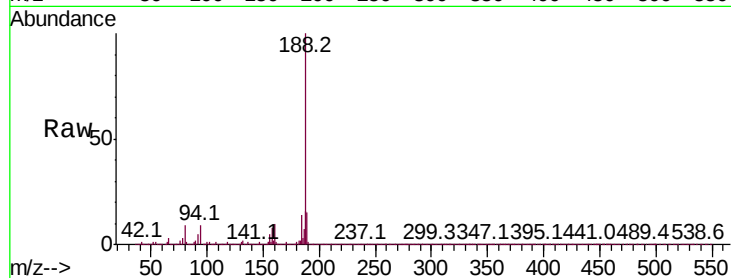
Tot Ion:188 Resp: 760796

Ion Ratio Lower Upper

188 100

94 8.8 8.5 12.7

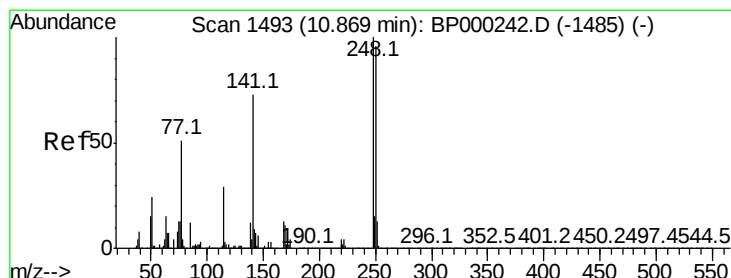
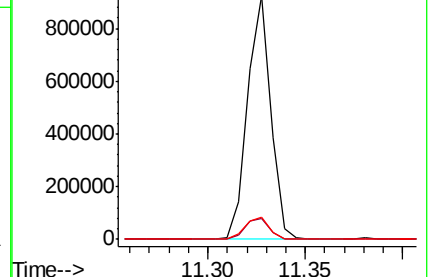
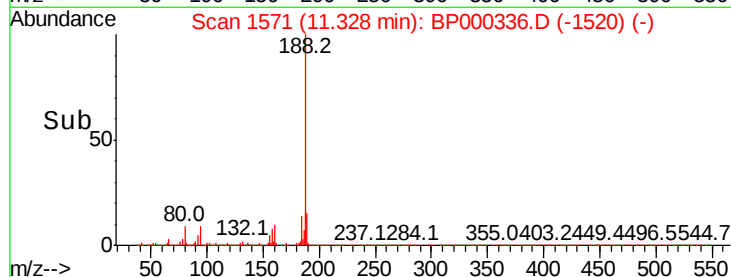
80 9.1 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#67

4-Bromophenyl-phenylether

Concen: 3.375 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

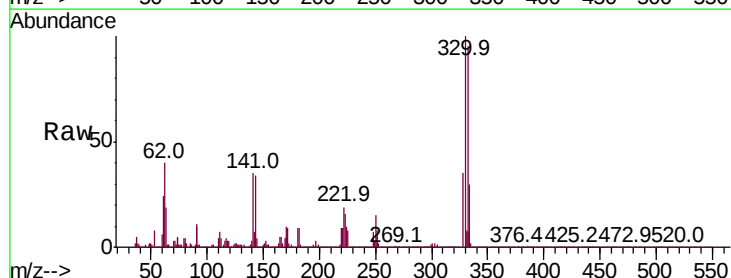
Tgt Ion:248 Resp: 29038

Ion Ratio Lower Upper

248 100

250 201.0 77.0 115.4#

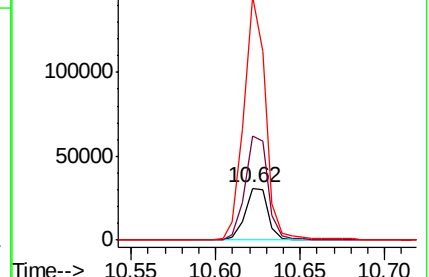
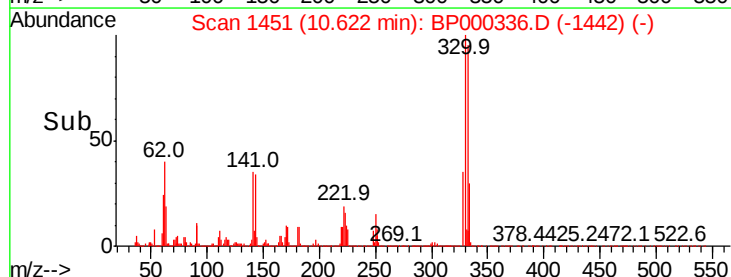
141 471.1 58.5 87.7#

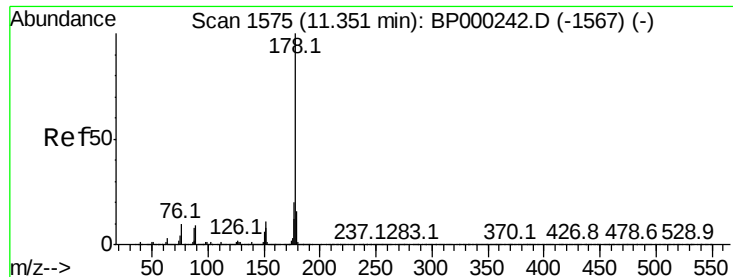


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 17.166 ng

RT: 11.35 min Scan# 1575

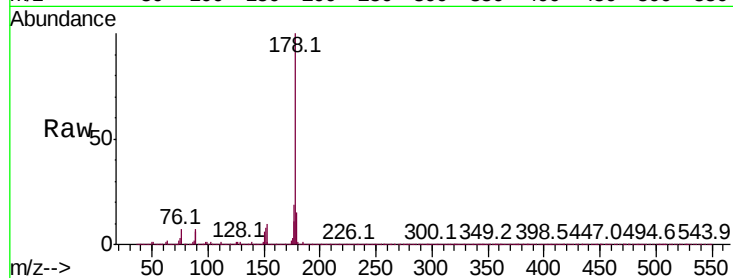
Delta R.T. -0.00 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

Tot Ion:178 Resp: 654473

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.2	12.7	19.1

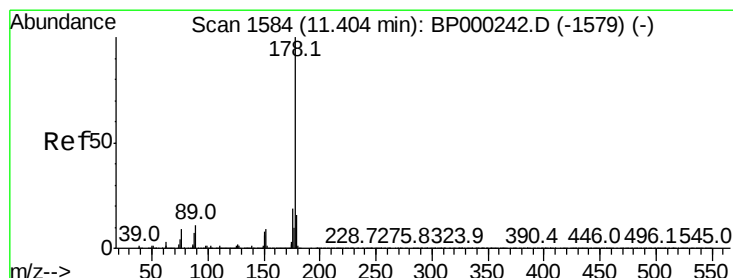
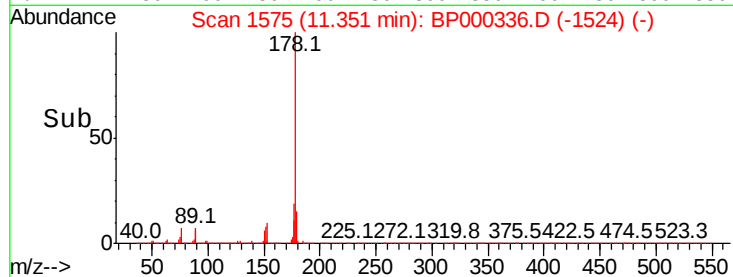
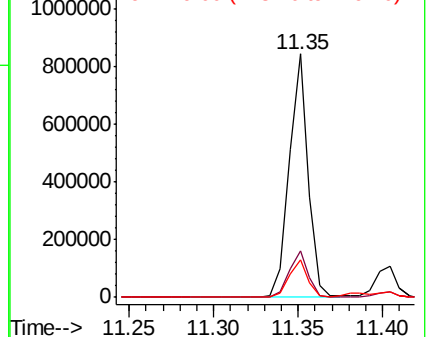


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.394 ng

RT: 11.40 min Scan# 1584

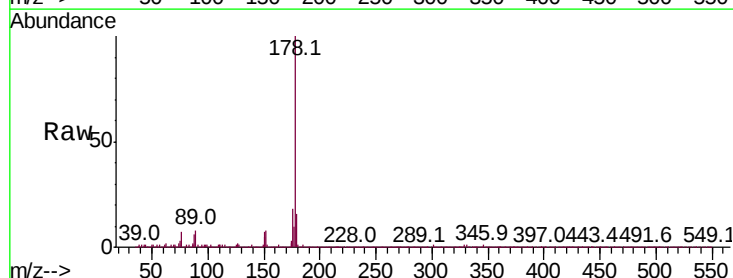
Delta R.T. -0.00 min

Lab File: BP000336.D

Acq: 19 Sep 2019 17:40

Tgt Ion:178 Resp: 93942

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	15.9	12.7	19.1

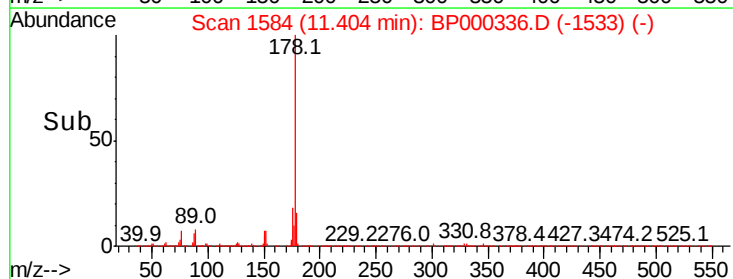
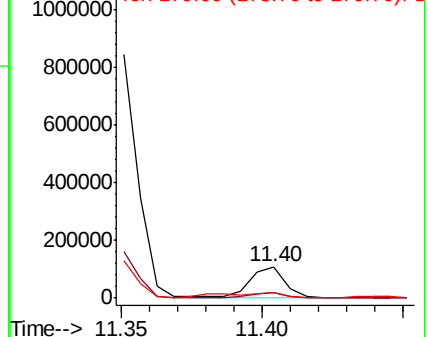


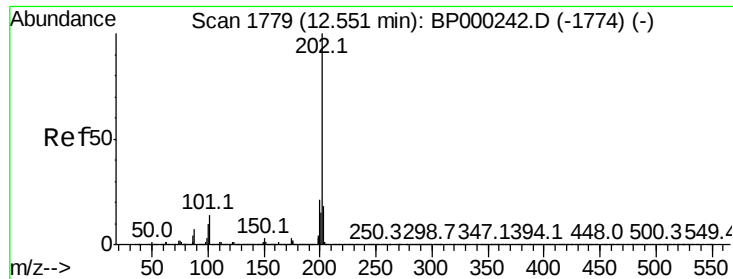
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

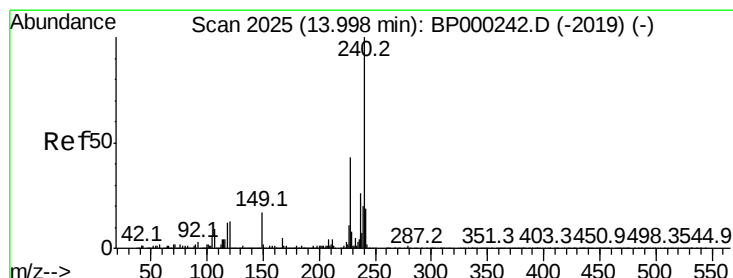
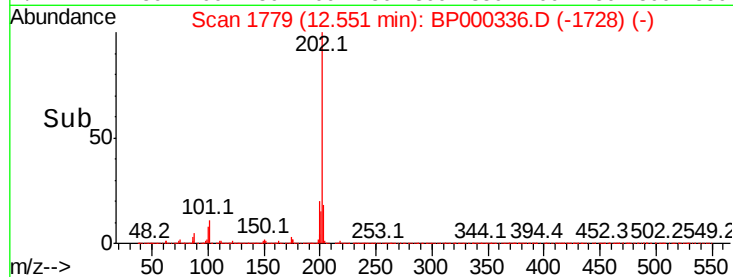
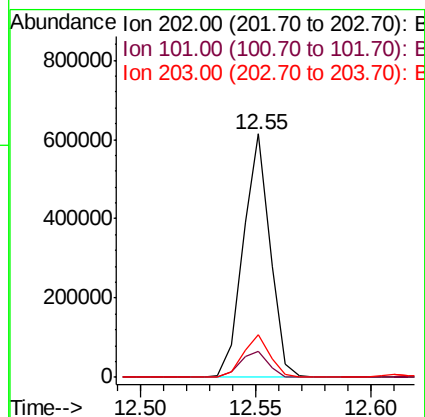
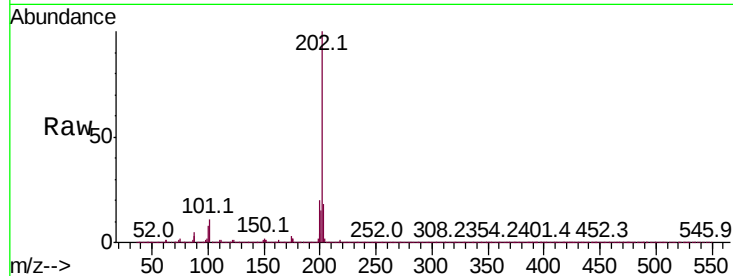
Ion 179.00 (178.70 to 179.70): E





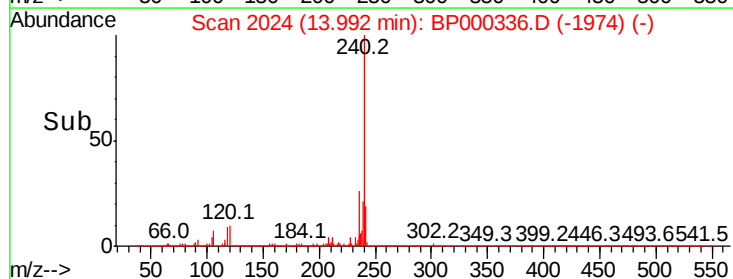
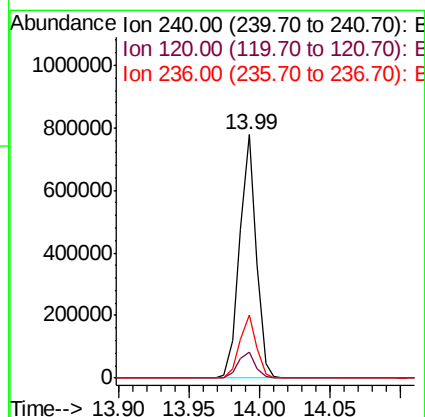
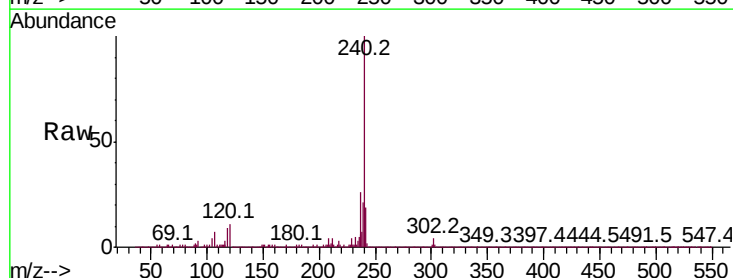
#75
 Fluoranthene
 Concen: 12.140 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BP000336.D
 Acq: 19 Sep 2019 17:40

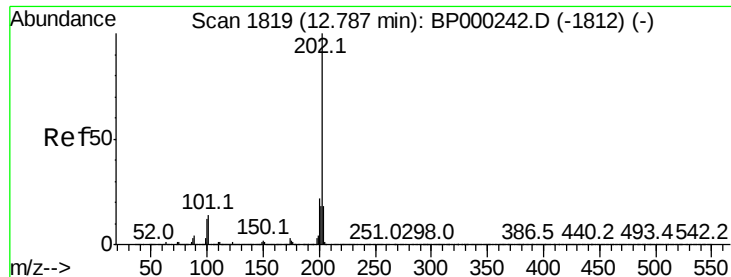
Tot Ion:	202	Resp:	497006
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	33.9
203	17.7	0.0	38.0



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BP000336.D
 Acq: 19 Sep 2019 17:40

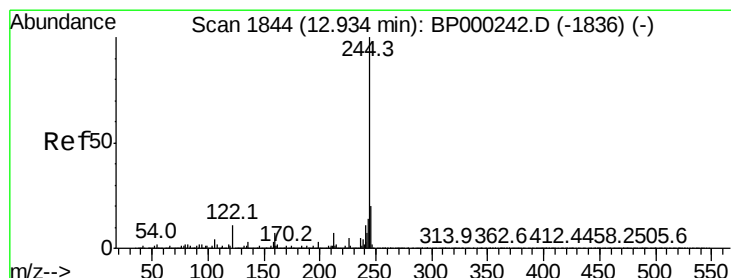
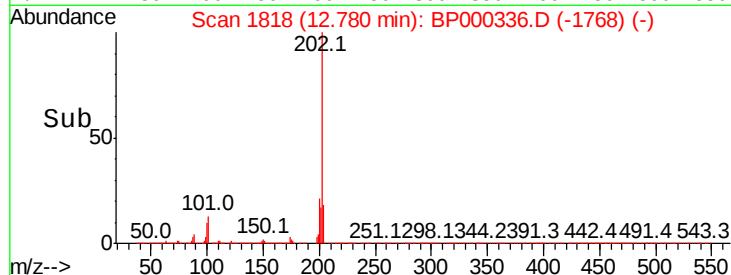
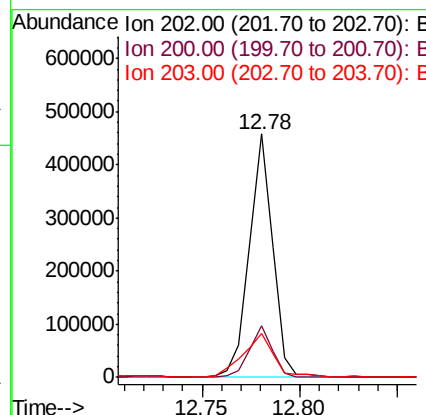
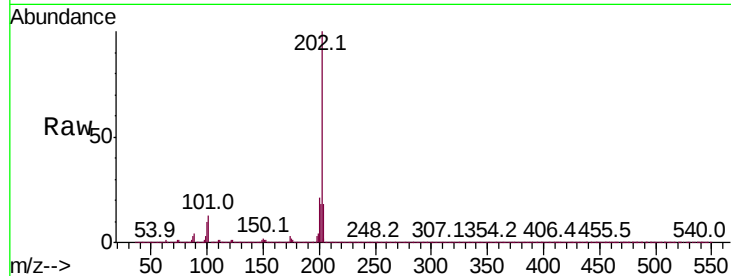
Tgt Ion:	240	Resp:	637602
Ion	Ratio	Lower	Upper
240	100		
120	10.5	10.4	15.6
236	26.0	21.0	31.6





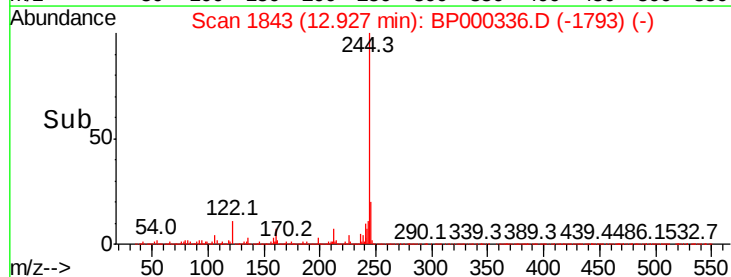
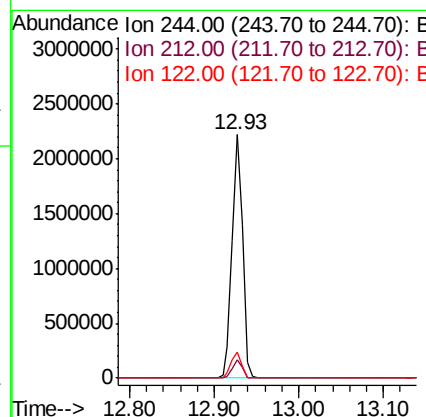
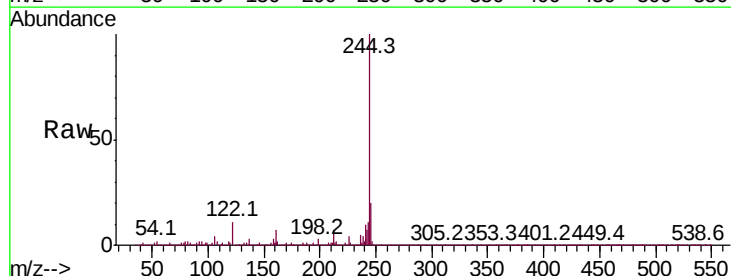
#78
Pvrene
Concen: 7.990 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

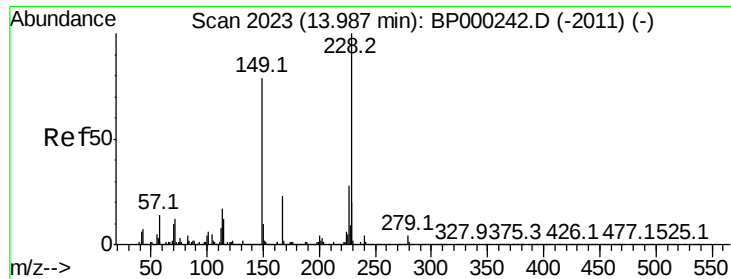
Tot Ion:	202	Resp:	381149
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.5	26.3
203	18.1	14.3	21.5



#79
Terphenyl-d14
Concen: 62.249 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

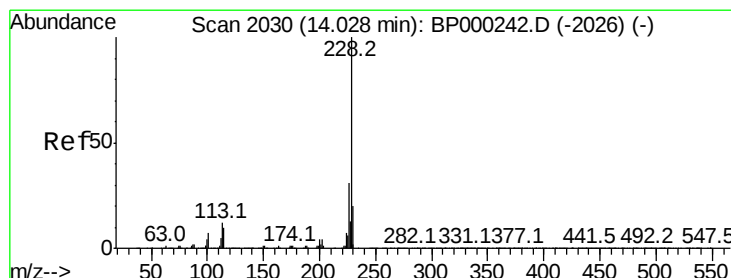
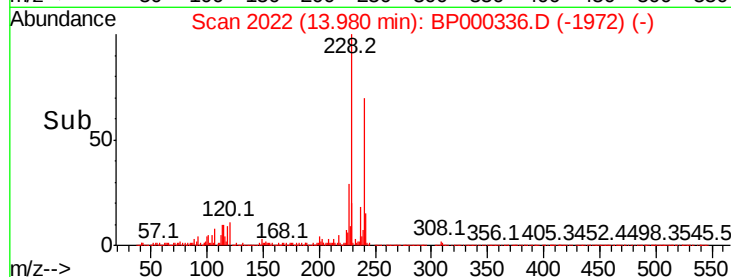
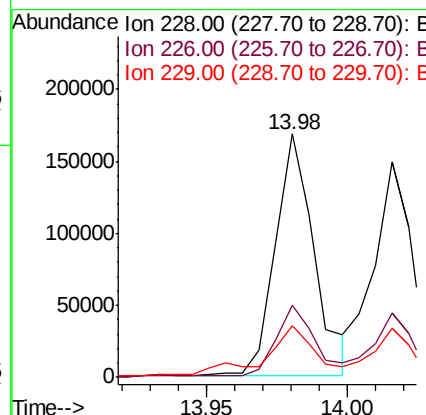
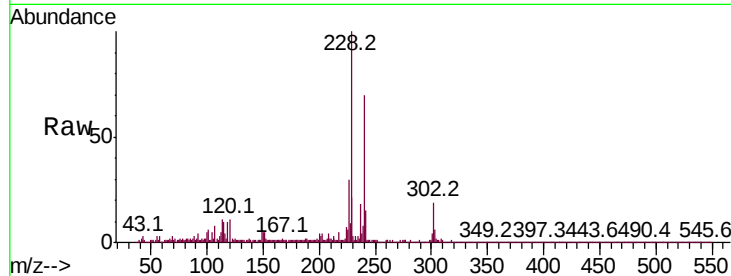
Tgt Ion:	244	Resp:	1891933
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	10.6	9.0	13.4





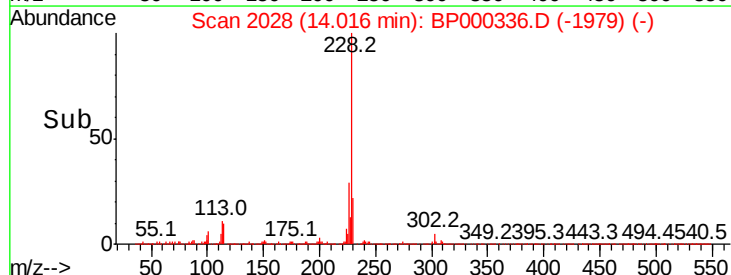
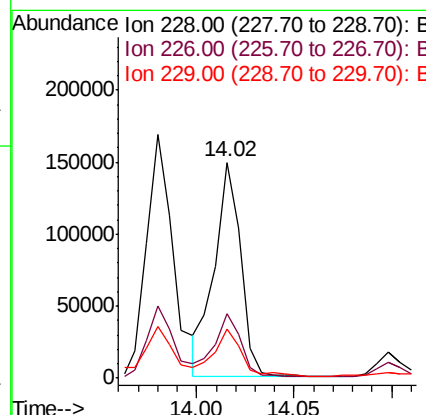
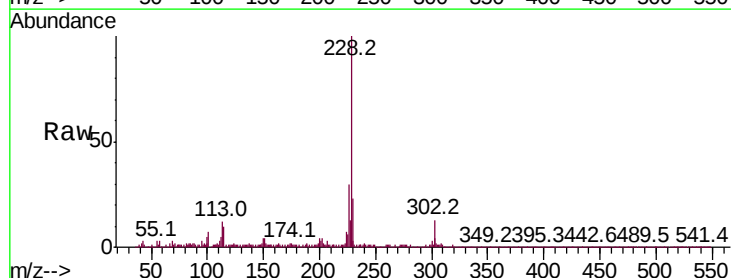
#81
Benzo(a)anthracene
Concen: 3.983 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

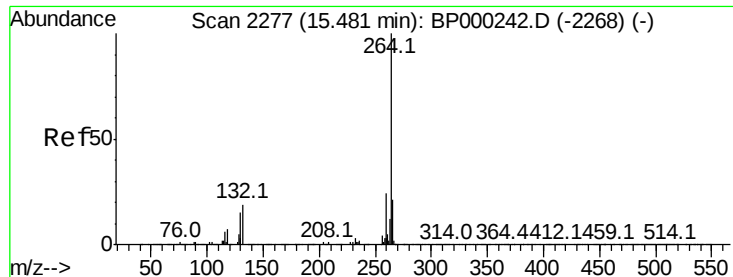
Tot Ion:228	Resp:	160399
Ion Ratio	Lower	Upper
228	100	
226	29.8	22.2 33.4
229	21.0	16.0 24.0



#83
Chrysene
Concen: 3.554 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

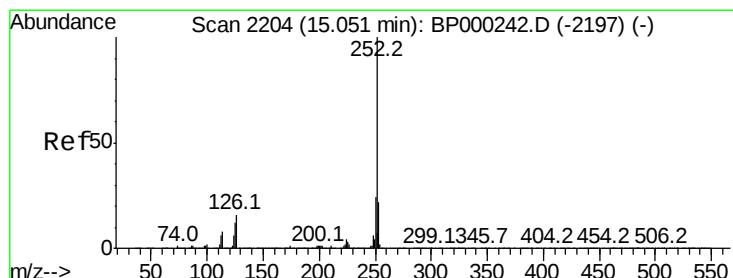
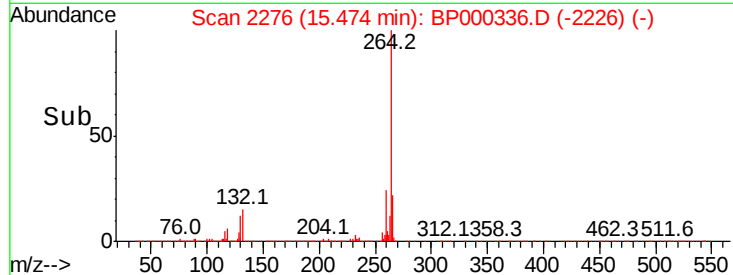
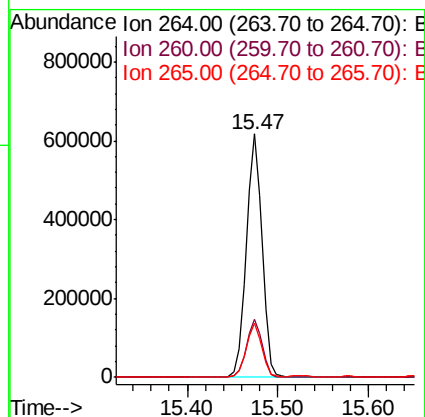
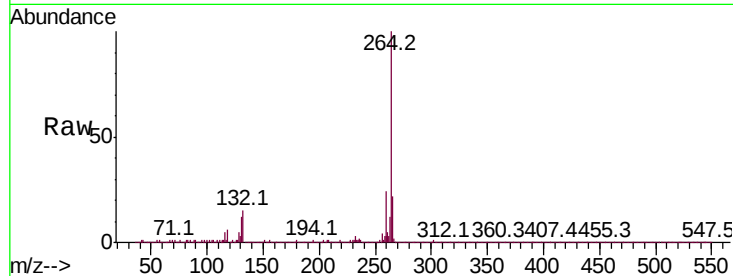
Tgt Ion:228	Resp:	140558
Ion Ratio	Lower	Upper
228	100	
226	29.6	24.9 37.3
229	23.0	16.2 24.2





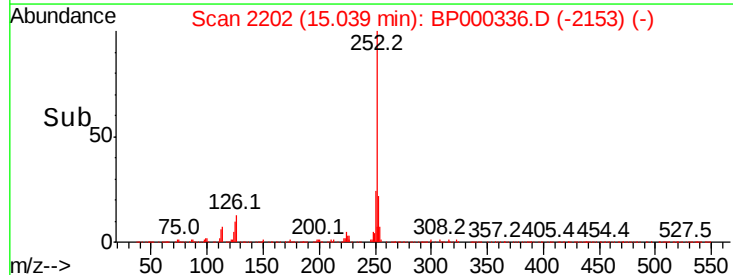
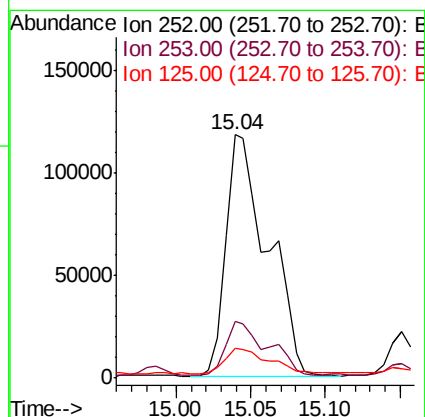
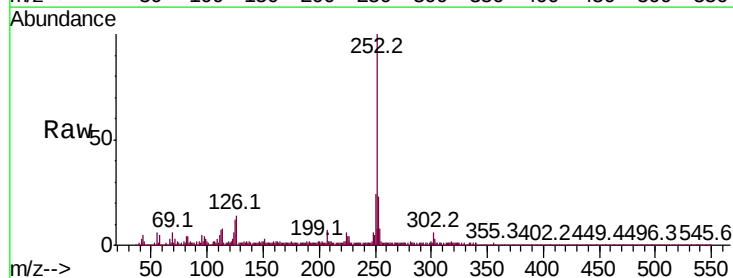
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

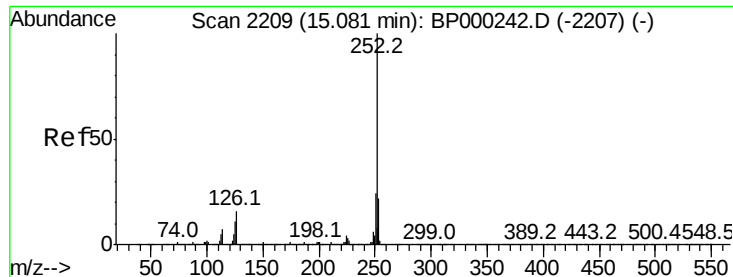
Tot	Ion:264	Resp:	741713
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	22.0	17.2	25.8



#88
Benzo(b)fluoranthene
Concen: 5.238 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

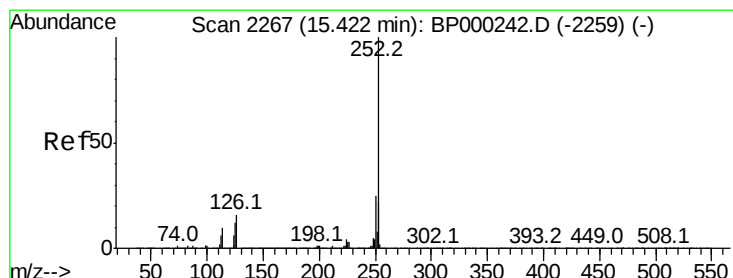
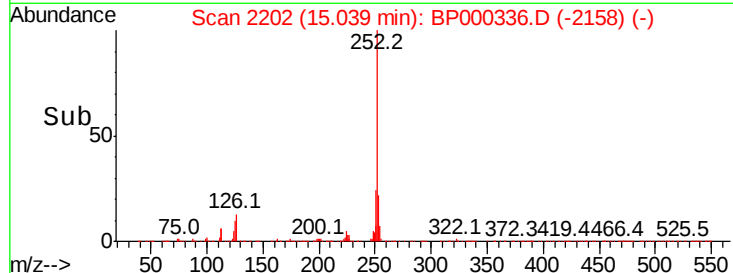
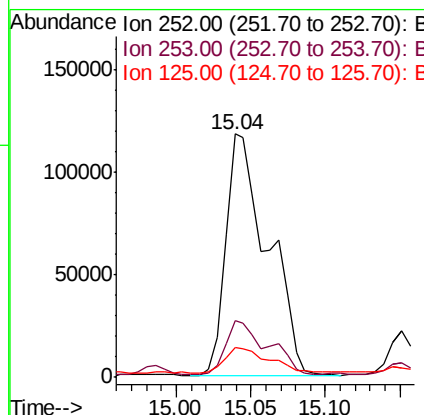
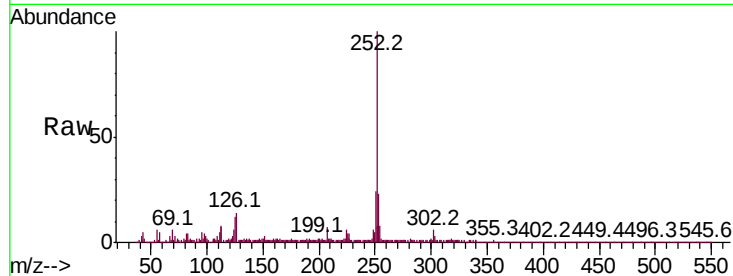
Tgt	Ion:252	Resp:	231755
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	12.3	9.5	14.3





#89
Benzo(k)fluoranthene
Concen: 6.004 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

Tot	Ion:252	Resp:	231755
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	12.3	9.6	14.4



#90
Benzo(a)pyrene
Concen: 2.804 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BP000336.D
Acq: 19 Sep 2019 17:40

Tgt Ion	252	Resp: Lower	112910 Upper
252	100		
253	22.5	17.7	26.5
125	11.6	10.0	15.0

