

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091919\
 Data File : BP000332.D
 Acq On : 19 Sep 2019 16:04
 Operator : HP/JU
 Sample : K4962-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 20 02:06:49 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	229784	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	821381	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	441690	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	817155	20.00	ng	0.00
76) Chrysene-d12	13.99	240	716161	20.00	ng	0.00
87) Perylene-d12	15.47	264	807792	20.00	ng	0.00

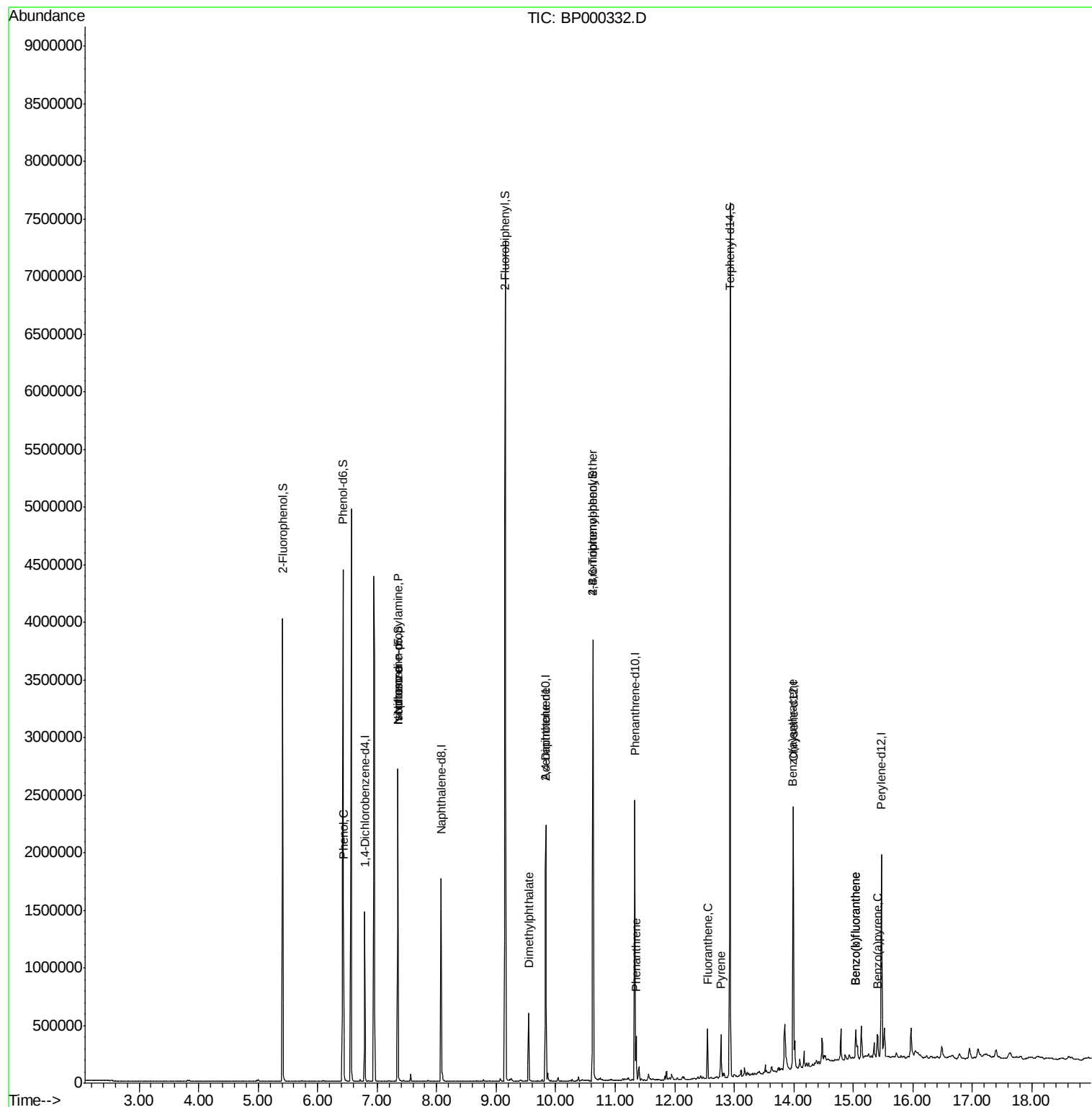
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1357972	102.02	ng	0.01
7) Phenol-d6	6.43	99	1704101	104.45	ng	0.00
23) Nitrobenzene-d5	7.35	82	930365	73.08	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	521545	119.05	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2102406	85.67	ng	0.00
79) Terphenyl-d14	12.93	244	2489092	72.91	ng	0.00

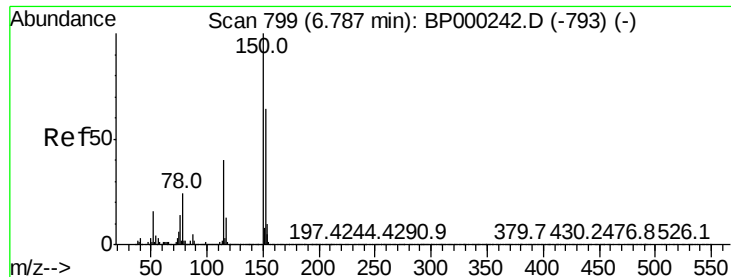
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	3463	Below Cal		# 1
10) Phenol	6.44	94	102034	5.504	ng	96
19) n-Nitroso-di-n-propylamine	7.35	70	116903	13.552	ng	# 76
25) Isophorone	7.35	82	928790	36.844	ng	# 63
50) Dimethylphthalate	9.55	163	257699	8.563	ng	98
57) 2,4-Dinitrotoluene	9.83	165	58244	6.733	ng	# 35
67) 4-Bromophenyl-phenylether	10.62	248	35673	3.861	ng	# 1
69) Atrazine	10.92	200	80	Below Cal		89
71) Phenanthrene	11.35	178	133521	3.261	ng	98
75) Fluoranthene	12.55	202	176260	4.009	ng	95
78) Pyrene	12.78	202	151207	2.822	ng	98
81) Benzo(a)anthracene	13.98	228	93996	2.078	ng	99
88) Benzo(b)fluoranthene	15.04	252	175937	3.651	ng	98
89) Benzo(k)fluoranthene	15.04	252	175937	4.185	ng	99
90) Benzo(a)pyrene	15.40	252	97827	2.231	ng	98

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

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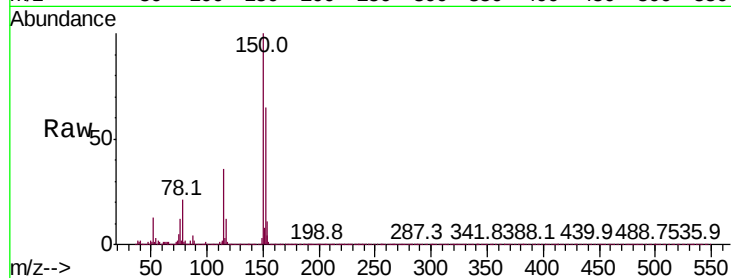




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000332.D
Acq: 19 Sep 2019 16:04

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	125.2	187.8
115	55.8	49.7	74.5

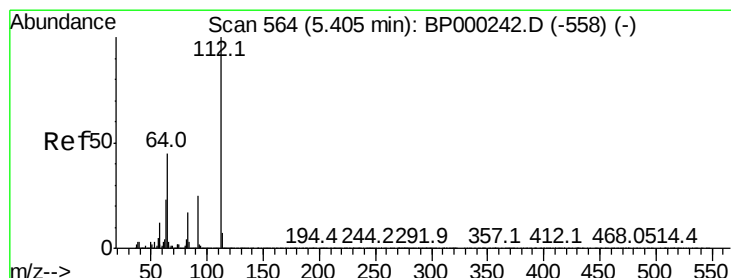
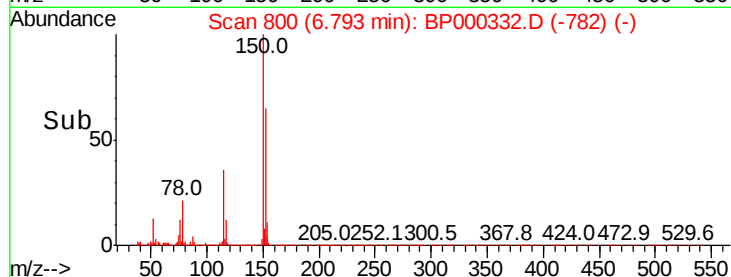
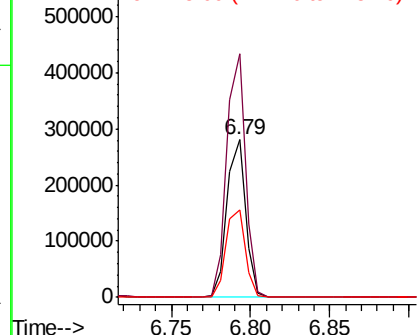


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

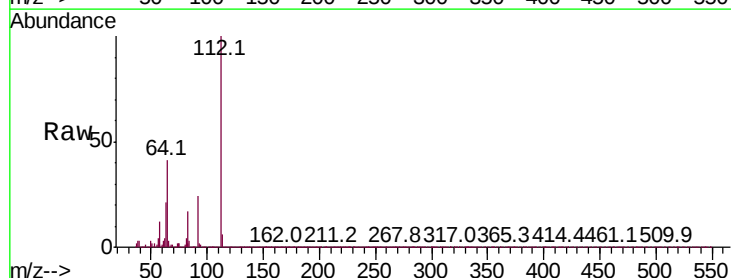
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 102.023 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BP000332.D
Acq: 19 Sep 2019 16:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	40.9	36.2	54.4
63	21.4	18.3	27.5

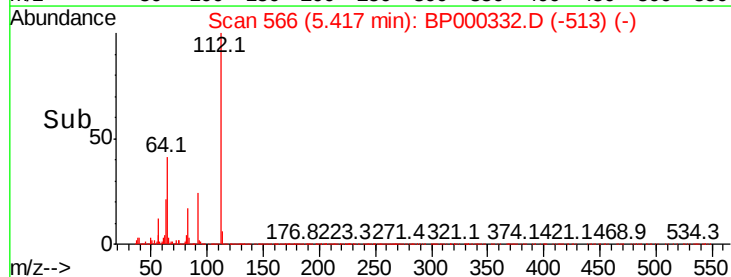
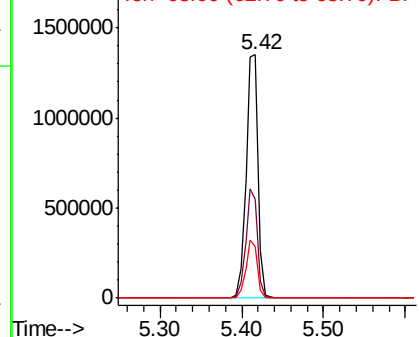


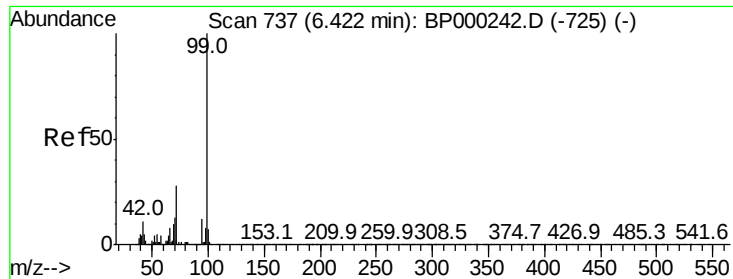
Abundance

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: 104.445 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000332.D

Acq: 19 Sep 2019 16:04

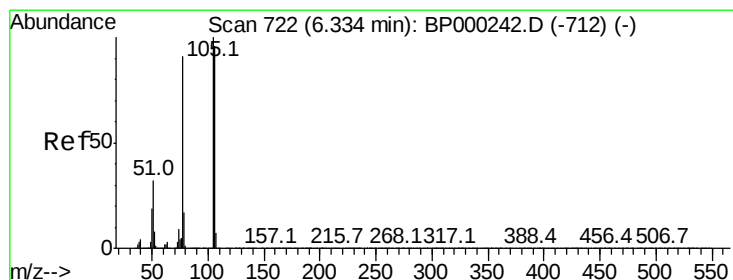
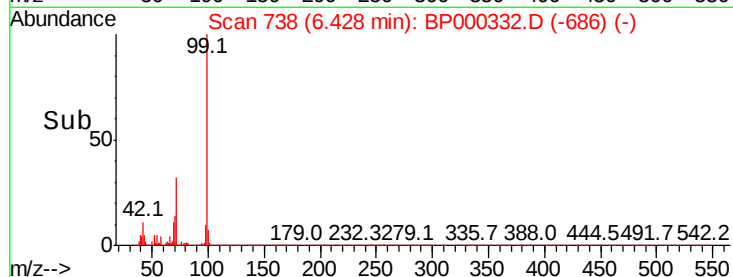
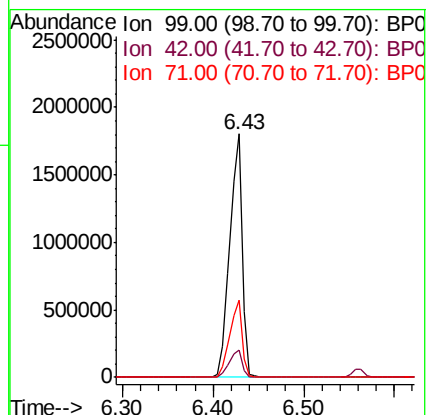
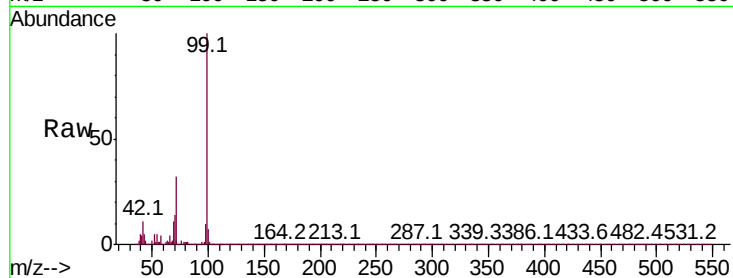
Tot Ion: 99 Resp: 1704101

Ion Ratio Lower Upper

99 100

42 11.3 8.5 12.7

71 31.8 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.43 min Scan# 738

Delta R.T. 0.09 min

Lab File: BP000332.D

Acq: 19 Sep 2019 16:04

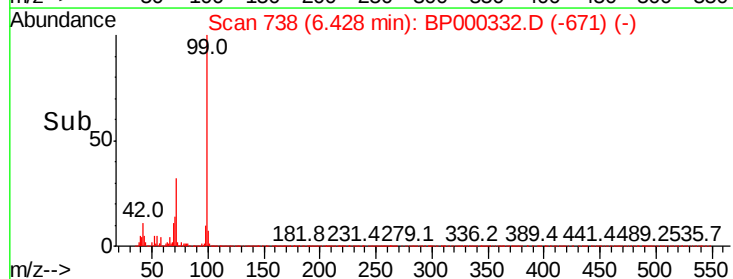
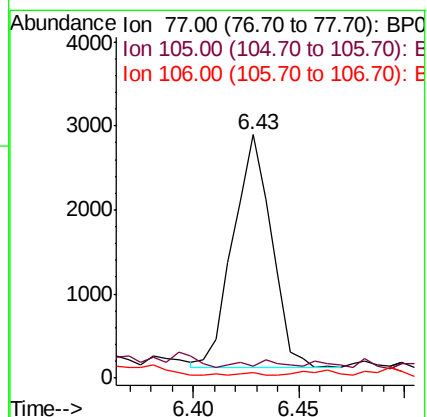
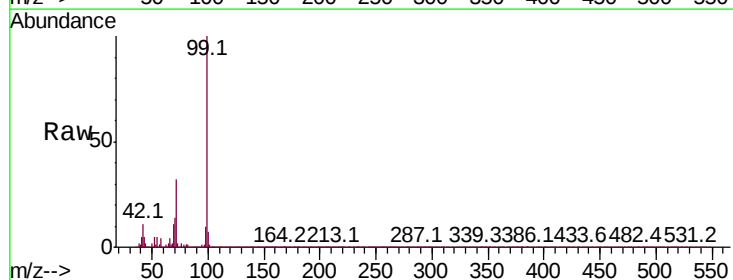
Tgt Ion: 77 Resp: 3463

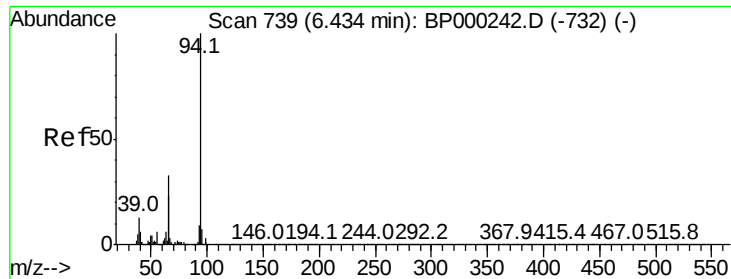
Ion Ratio Lower Upper

77 100

105 4.8 89.6 129.6#

106 2.2 84.6 124.6#





#10

Phenol

Concen: 5.504 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BP000332.D

Acq: 19 Sep 2019 16:04

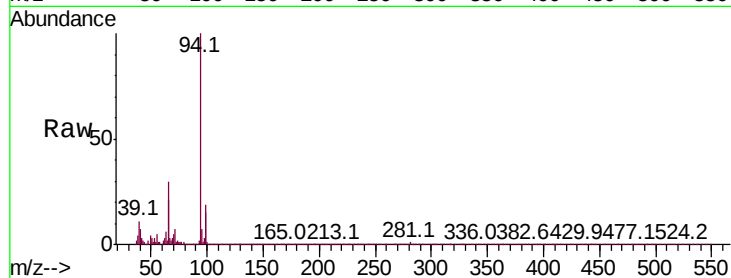
Tot Ion: 94 Resp: 102034

Ion Ratio Lower Upper

94 100

65 21.2 3.3 43.3

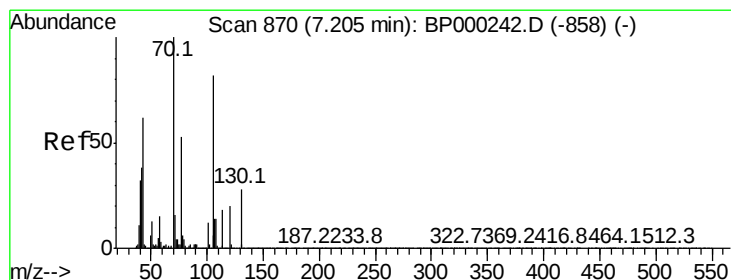
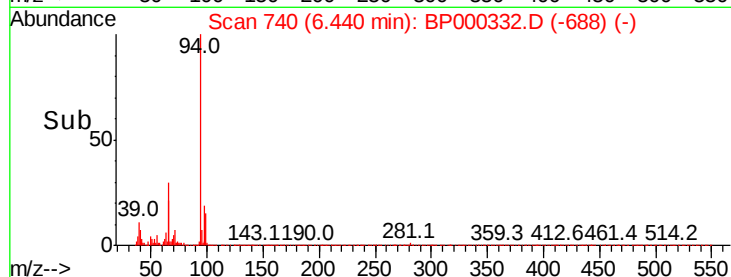
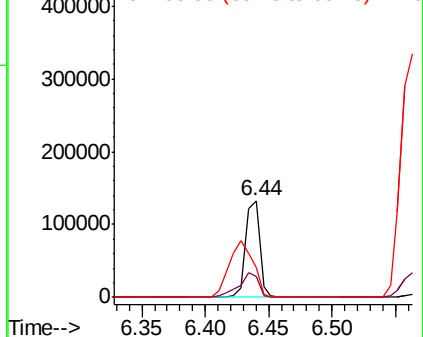
66 30.3 12.7 52.7



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: 13.552 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BP000332.D

Acq: 19 Sep 2019 16:04

Tgt Ion: 70 Resp: 116903

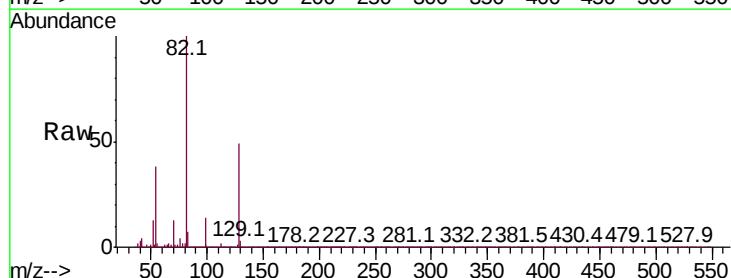
Ion Ratio Lower Upper

70 100

42 35.4 30.7 46.1

101 0.0 9.6 14.4#

130 2.5 22.0 33.0#

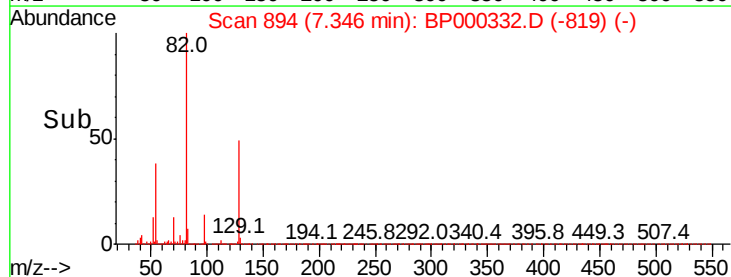
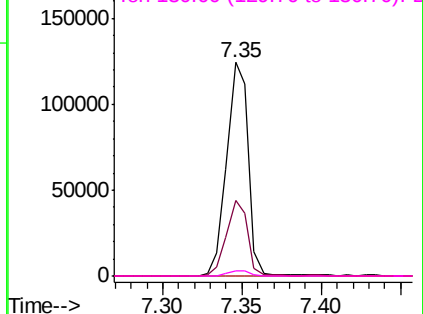


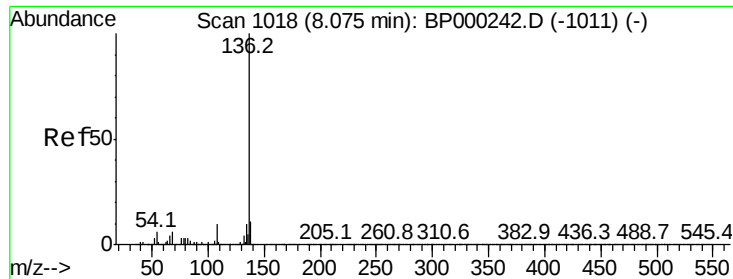
Abundance Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 101.00 (100.70 to 101.70): E

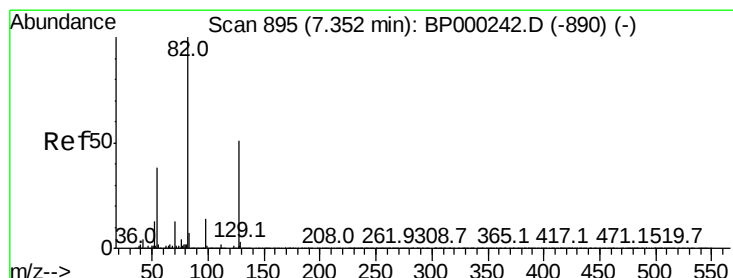
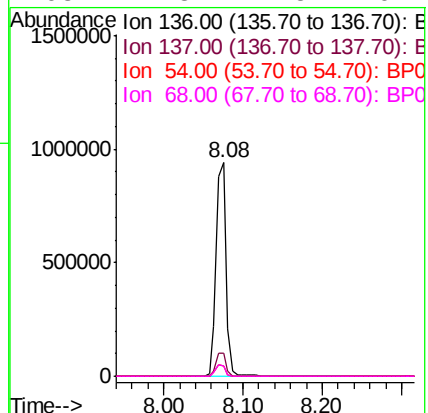
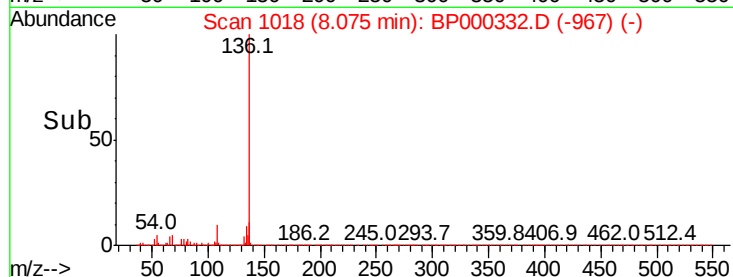
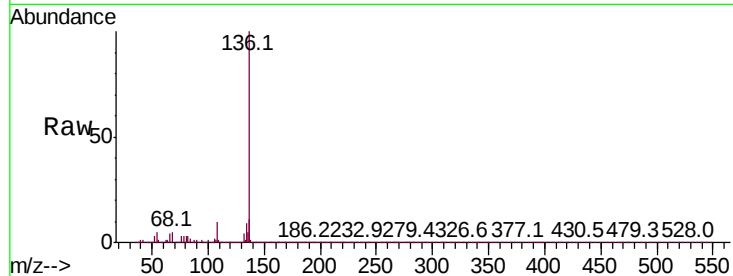
Ion 130.00 (129.70 to 130.70): E





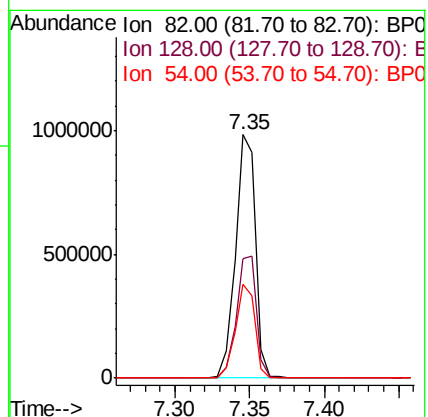
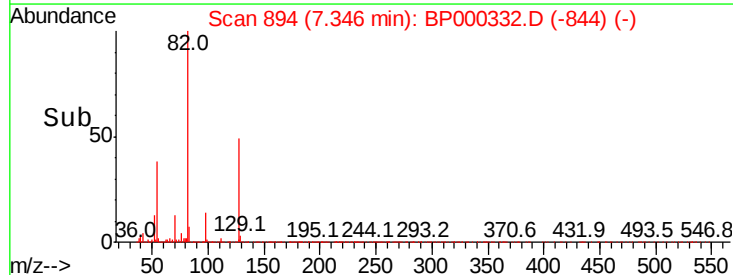
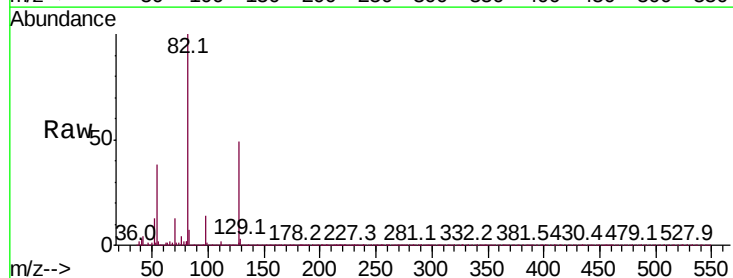
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BP000332.D
Acq: 19 Sep 2019 16:04

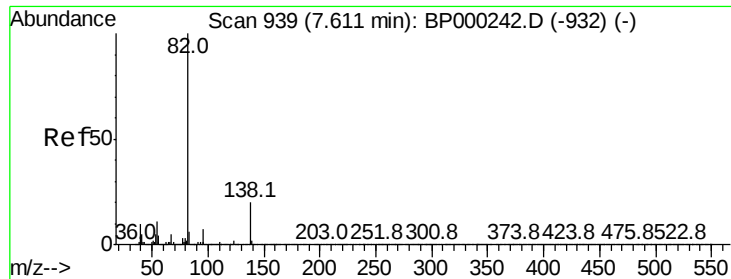
Tot Ion:136	Resp:	821381
Ion Ratio	Lower	Upper
136 100		
137 10.5	8.6	13.0
54 4.8	4.5	6.7
68 4.8	4.5	6.7



#23
Nitrobenzene-d5
Concen: 73.080 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000332.D
Acq: 19 Sep 2019 16:04

Tgt Ion: 82	Resp: 930365
Ion Ratio	Lower Upper
82 100	
128 49.2	40.7 61.1
54 38.4	30.1 45.1





#25

Isophorone

Concen: 36.844 ng

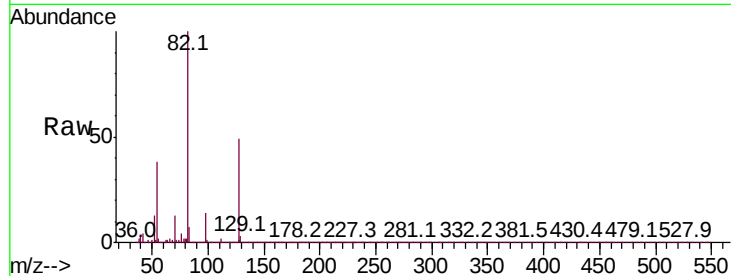
RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BP000332.D

Acq: 19 Sep 2019 16:04

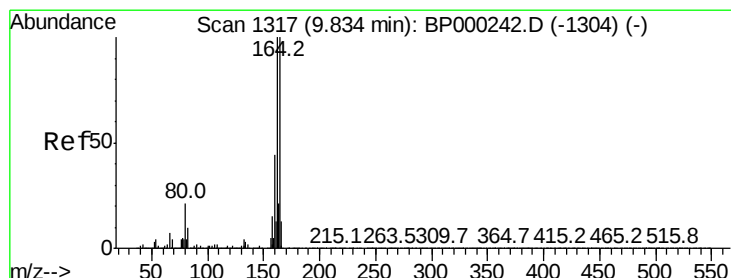
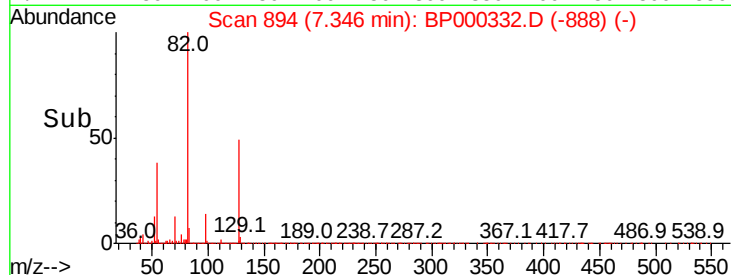
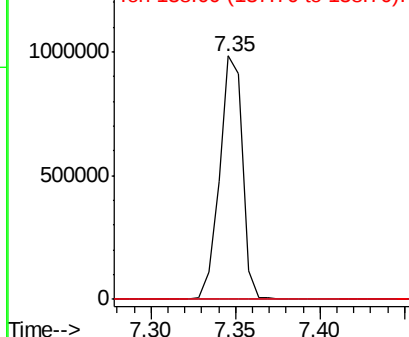
Tot Ion:	82	Resp:	928790
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.9	8.9#
138	0.0	15.9	23.9#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

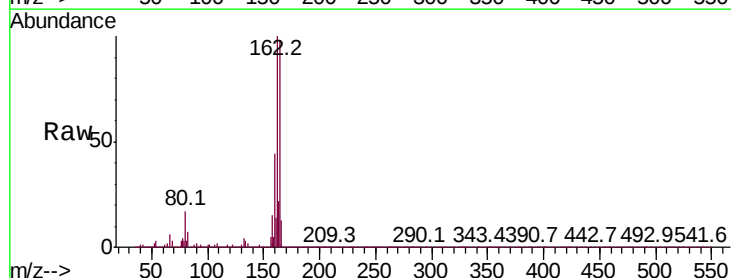
RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BP000332.D

Acq: 19 Sep 2019 16:04

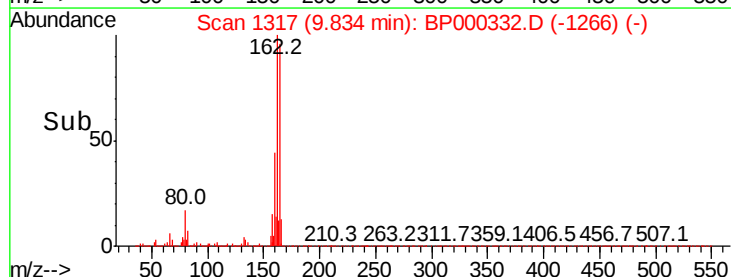
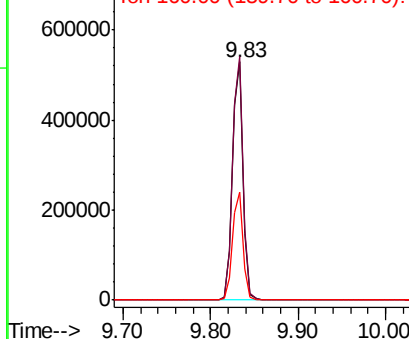
Tgt Ion:	164	Resp:	441690
Ion	Ratio	Lower	Upper
164	100		
162	102.3	79.9	119.9
160	45.3	35.6	53.4

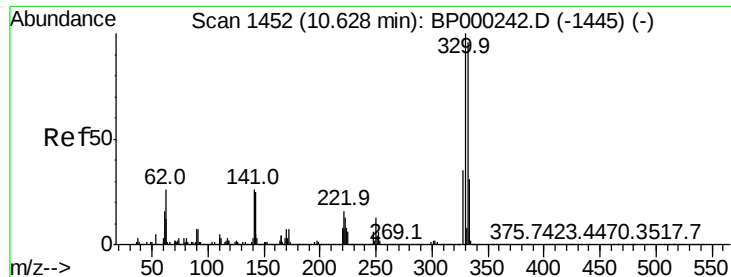


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

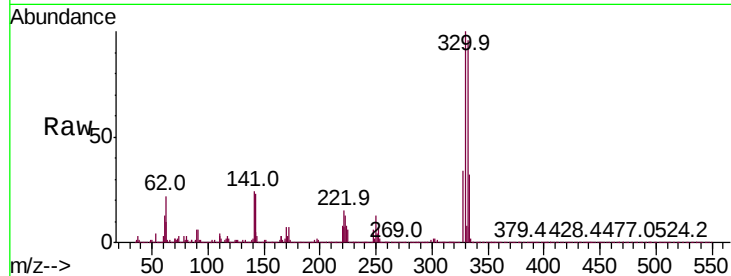
Ion 160.00 (159.70 to 160.70): E





#42
 2,4,6-Tribromophenol
 Concen: 119.048 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BP000332.D
 Acq: 19 Sep 2019 16:04

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	30.7	26.5	39.7

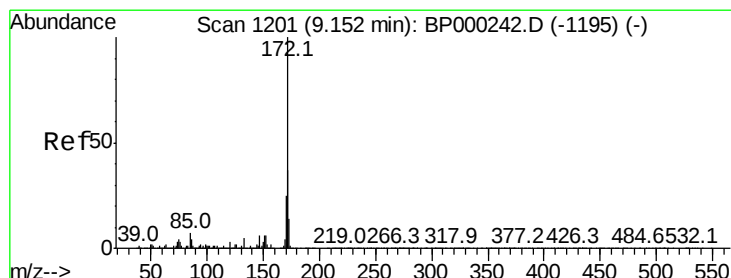
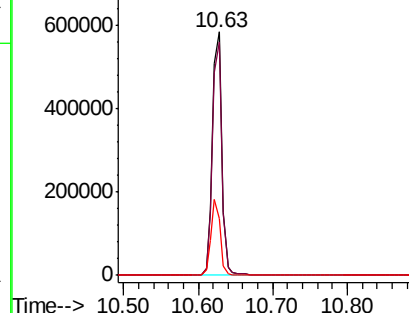
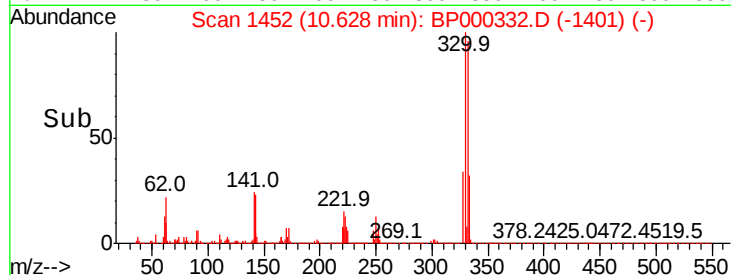


Abundance

Ion 329.80 (329.50 to 330.50): E

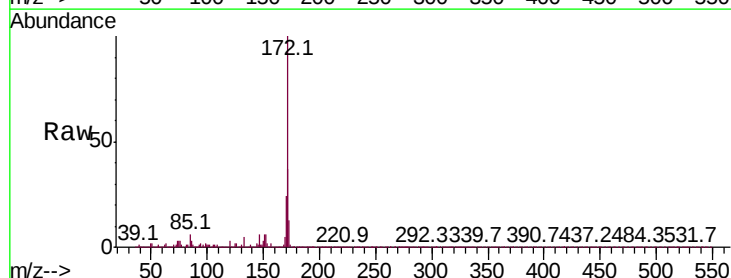
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 85.669 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BP000332.D
 Acq: 19 Sep 2019 16:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.8	44.6
170	24.4	19.8	29.6

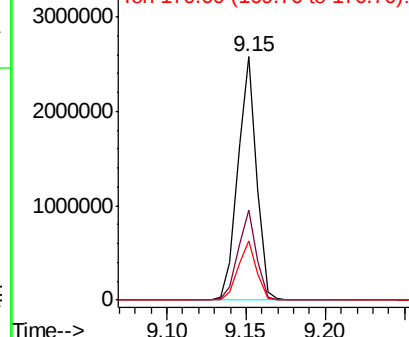
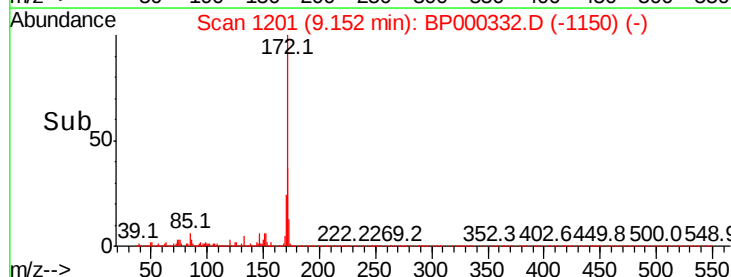


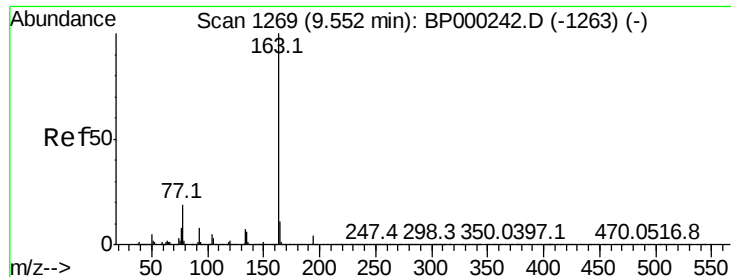
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.563 ng

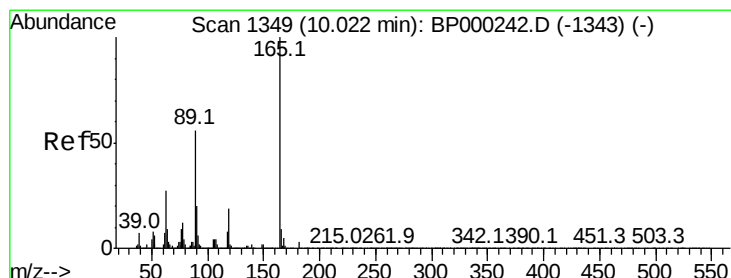
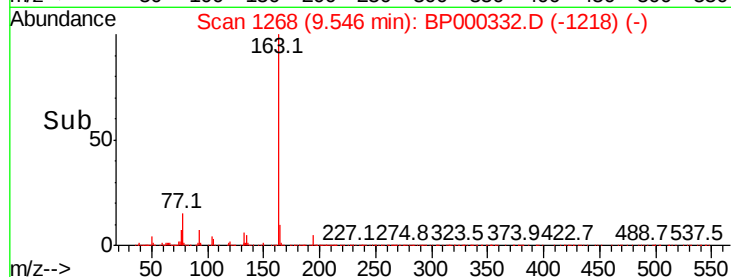
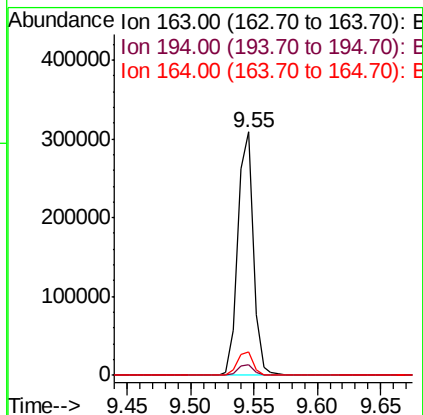
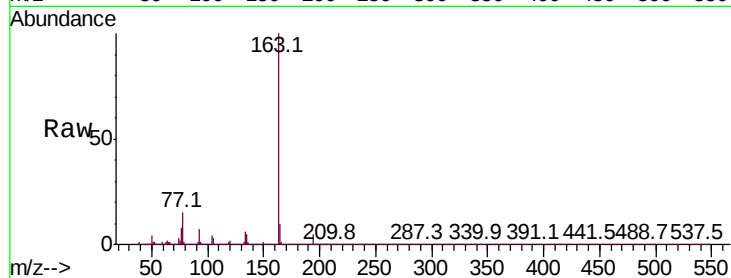
RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BP000332.D

Acq: 19 Sep 2019 16:04

Tot Ion:	163	Resp:	257699
Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.0
164	9.9	8.5	12.7



#57

2,4-Dinitrotoluene

Concen: 6.733 ng

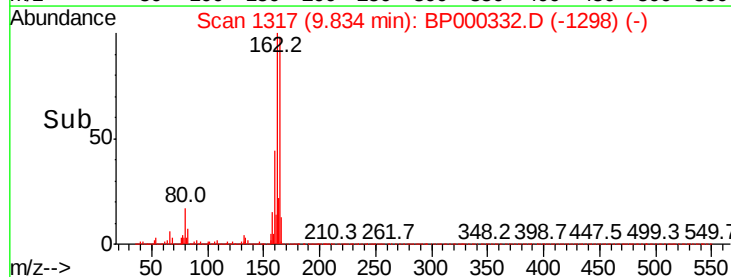
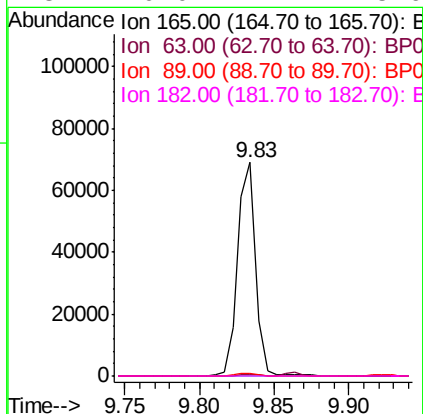
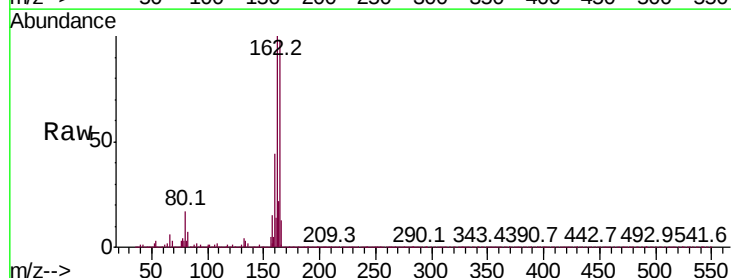
RT: 9.83 min Scan# 1317

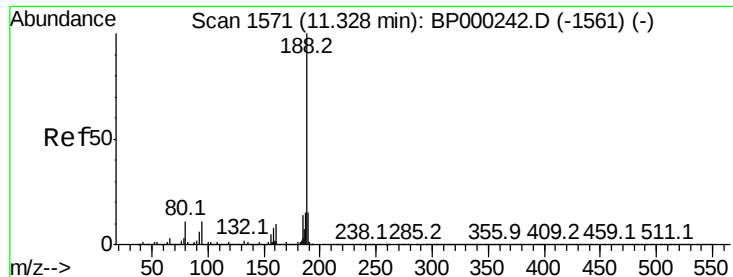
Delta R.T. -0.19 min

Lab File: BP000332.D

Acq: 19 Sep 2019 16:04

Tgt Ion:	165	Resp:	58244
Ion	Ratio	Lower	Upper
165	100		
63	0.9	21.7	32.5#
89	1.3	45.0	67.6#
182	0.0	2.4	3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BP000332.D

Acq: 19 Sep 2019 16:04

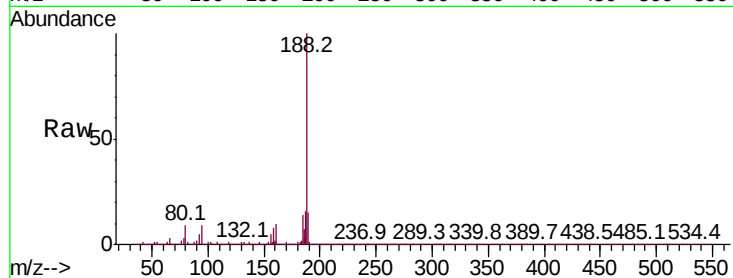
Tot Ion:188 Resp: 817155

Ion Ratio Lower Upper

188 100

94 9.0 8.5 12.7

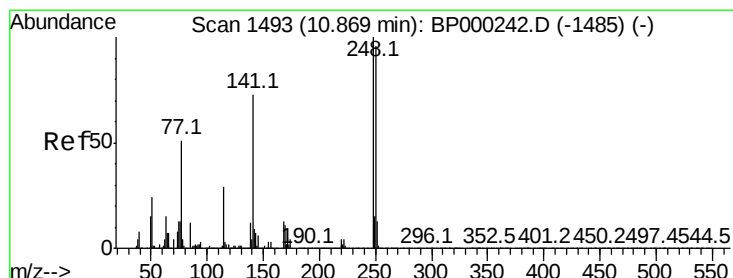
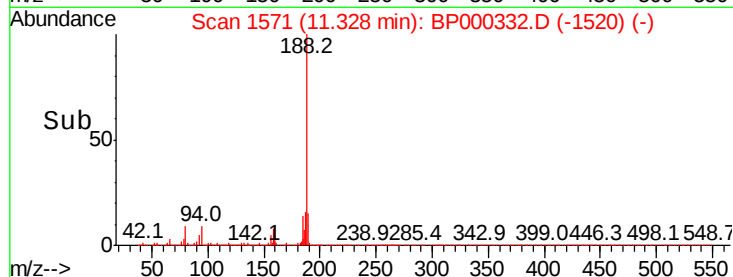
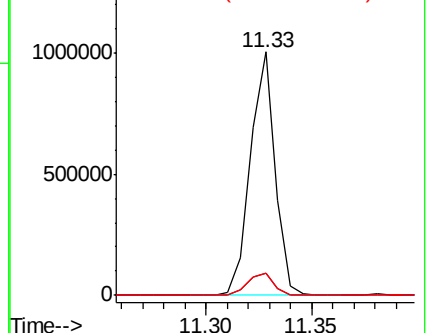
80 9.0 8.6 13.0



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: 3.861 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BP000332.D

Acq: 19 Sep 2019 16:04

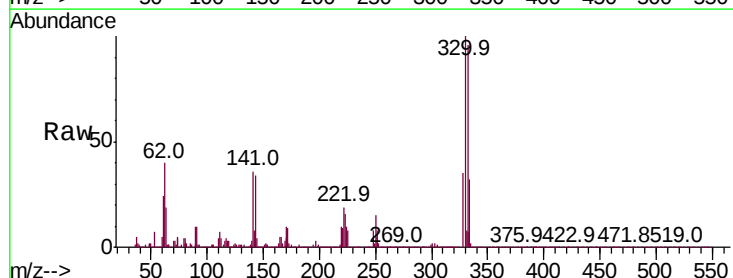
Tgt Ion:248 Resp: 35673

Ion Ratio Lower Upper

248 100

250 189.8 77.0 115.4#

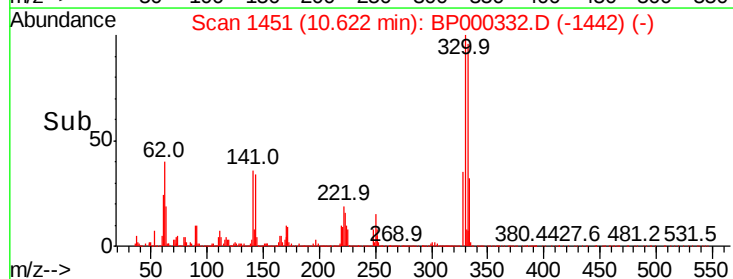
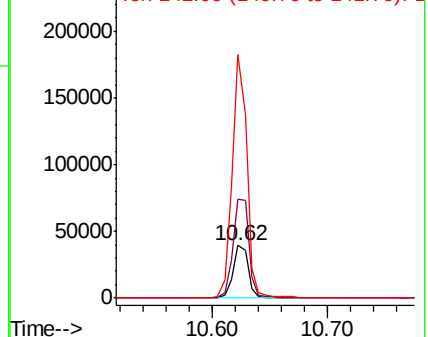
141 465.7 58.5 87.7#

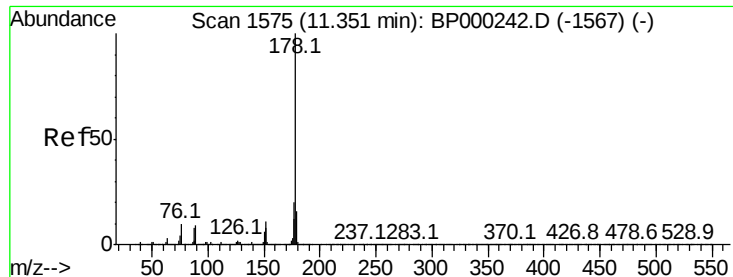


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 3.261 ng

RT: 11.35 min Scan# 1575

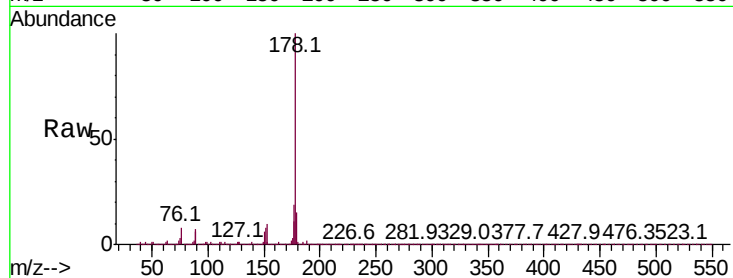
Delta R.T. 0.00 min

Lab File: BP000332.D

Acq: 19 Sep 2019 16:04

Tot Ion:178 Resp: 133521

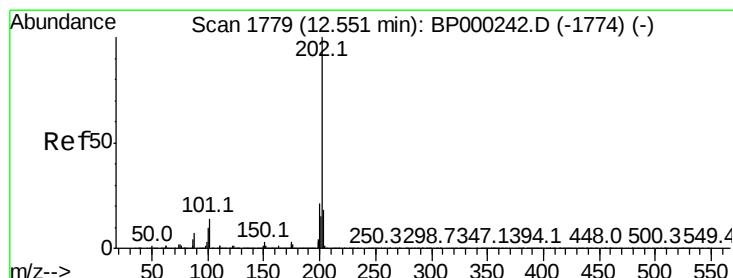
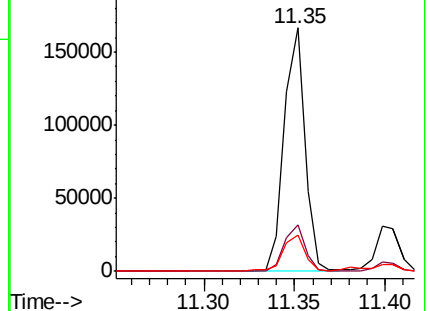
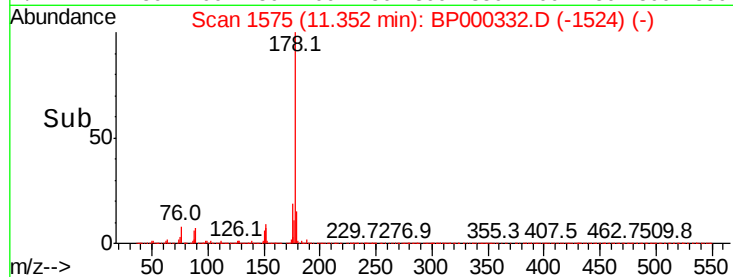
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.0	12.7	19.1



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: 4.009 ng

RT: 12.55 min Scan# 1779

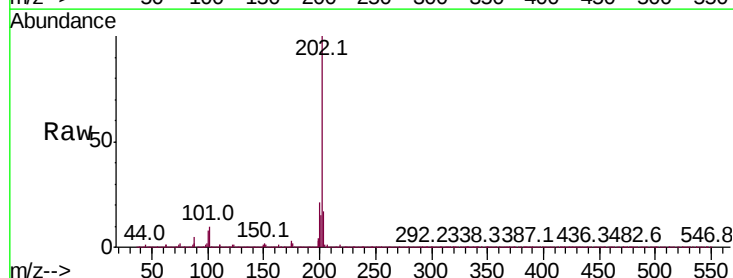
Delta R.T. 0.00 min

Lab File: BP000332.D

Acq: 19 Sep 2019 16:04

Tgt Ion:202 Resp: 176260

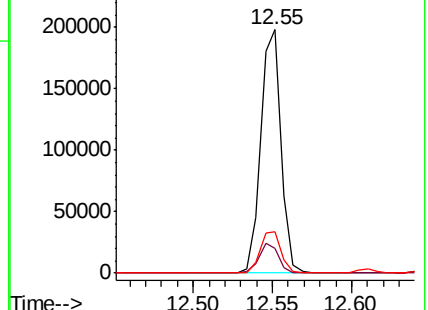
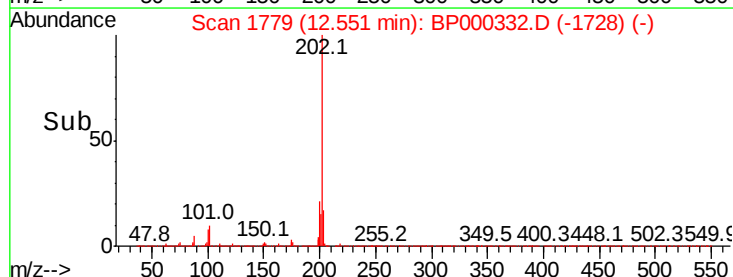
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	33.9
203	17.2	0.0	38.0

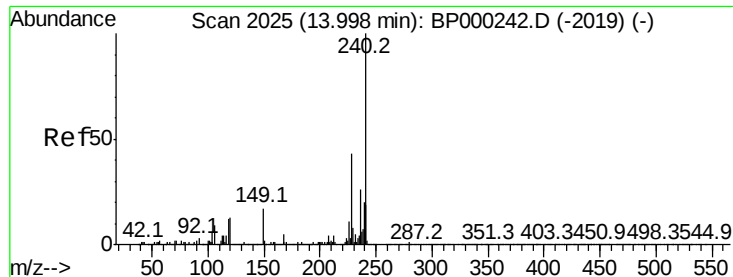


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BP000332.D

Acq: 19 Sep 2019 16:04

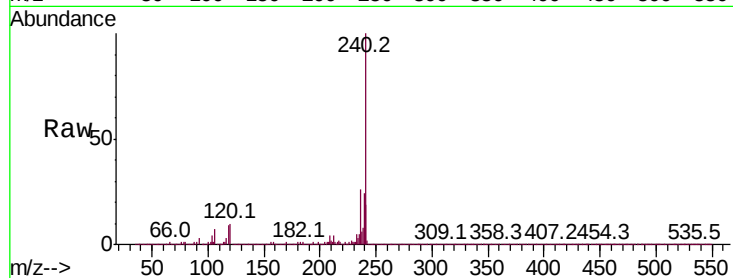
Tot Ion:240 Resp: 716161

Ion Ratio Lower Upper

240 100

120 10.0 10.4 15.6#

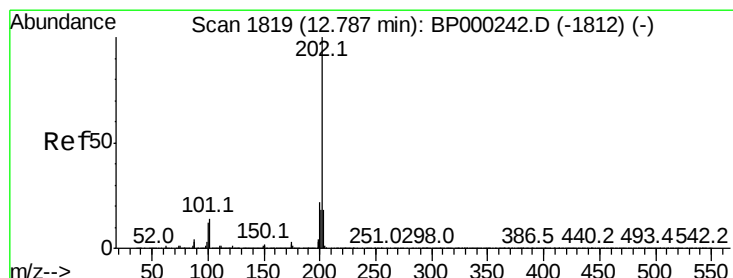
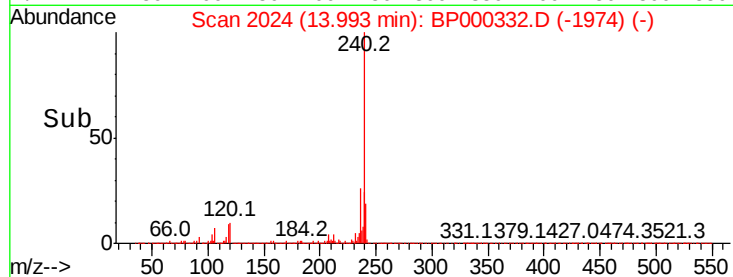
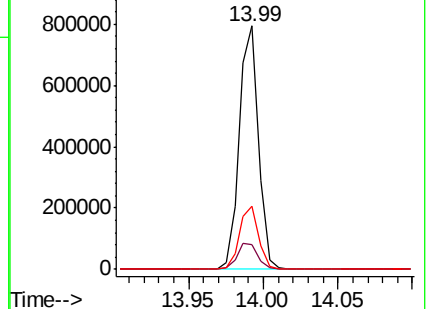
236 26.2 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 2.822 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BP000332.D

Acq: 19 Sep 2019 16:04

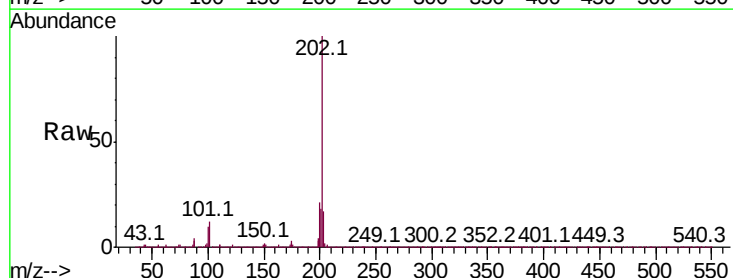
Tgt Ion:202 Resp: 151207

Ion Ratio Lower Upper

202 100

200 20.7 17.5 26.3

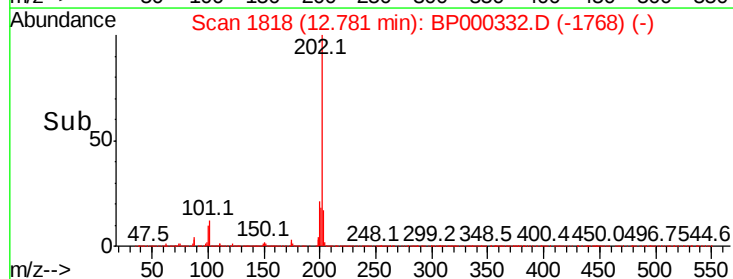
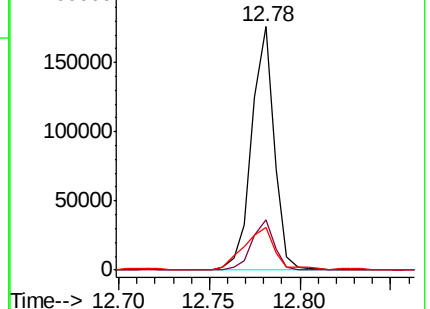
203 17.5 14.3 21.5

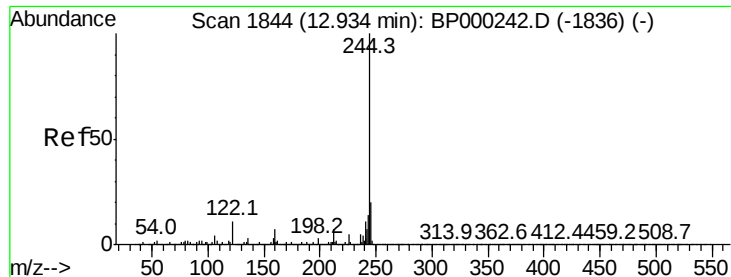


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

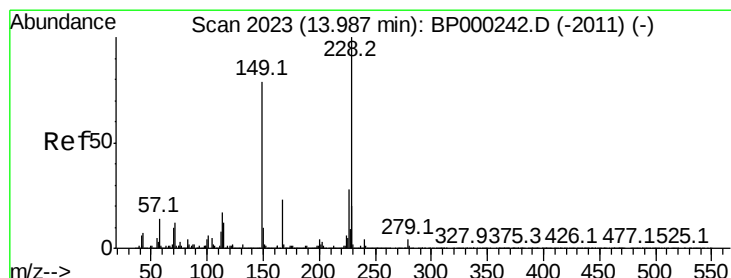
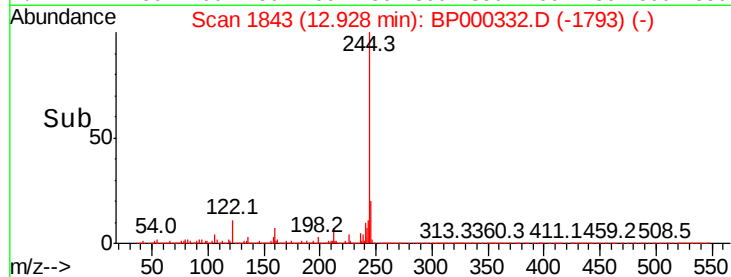
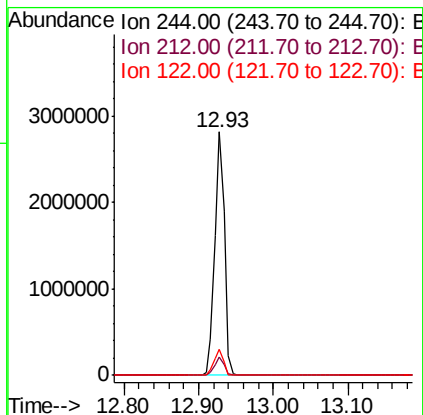
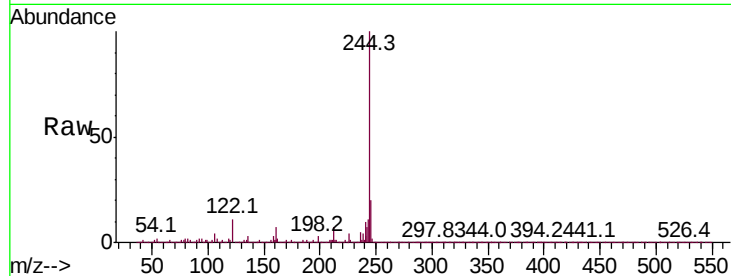




#79
 Terphenyl-d14
 Concen: 72.913 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BP000332.D
 Acq: 19 Sep 2019 16:04

Tot Ion:244 Resp: 2489092

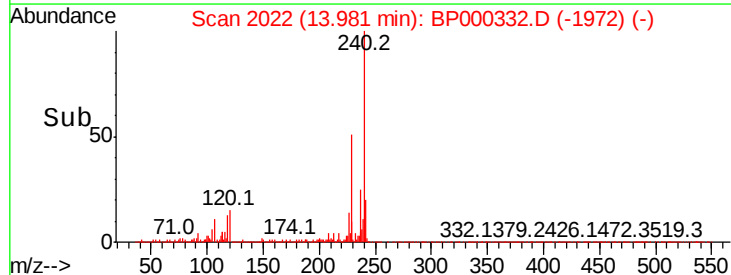
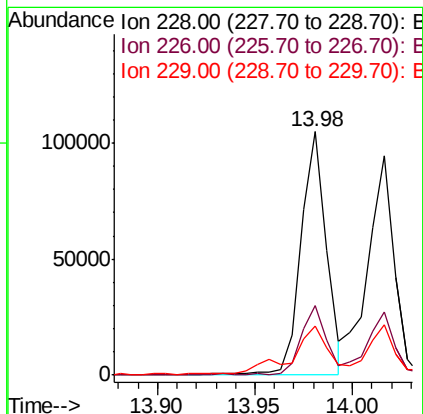
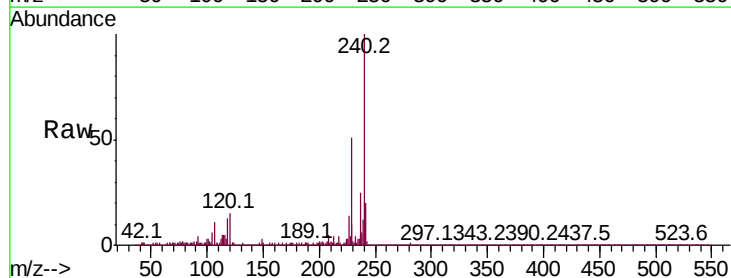
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	10.6	9.0	13.4

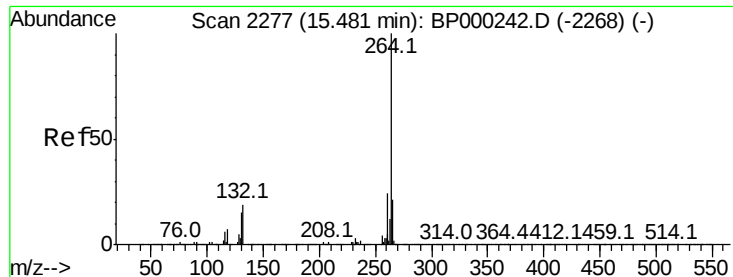


#81
 Benzo(a)anthracene
 Concen: 2.078 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BP000332.D
 Acq: 19 Sep 2019 16:04

Tgt Ion:228 Resp: 93996

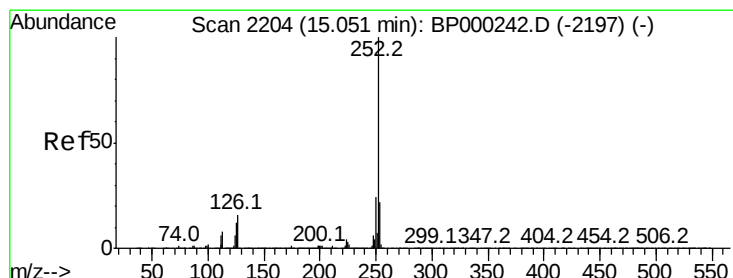
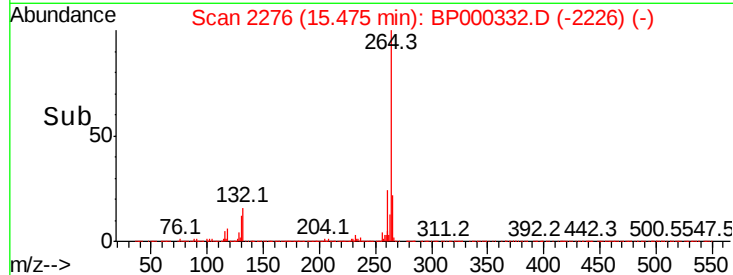
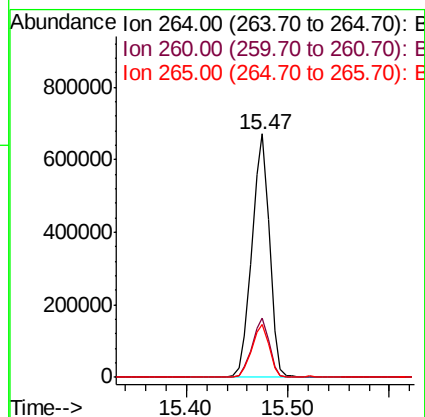
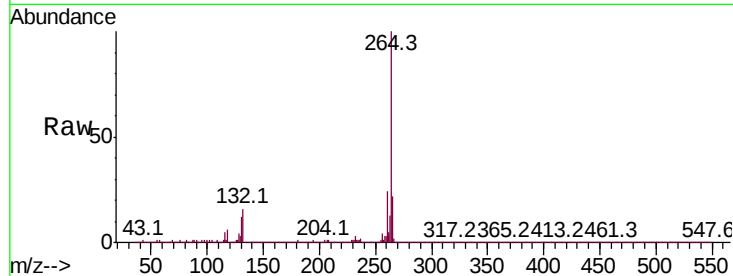
Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.2	33.4
229	20.1	16.0	24.0





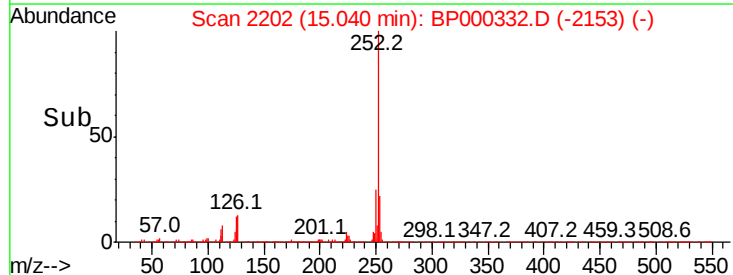
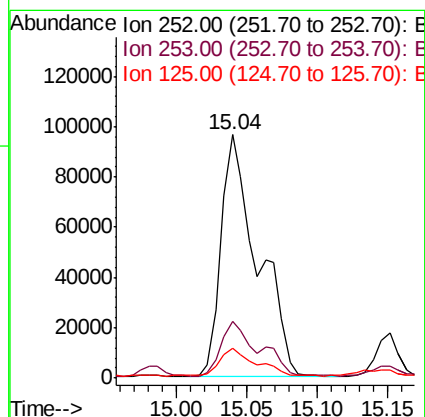
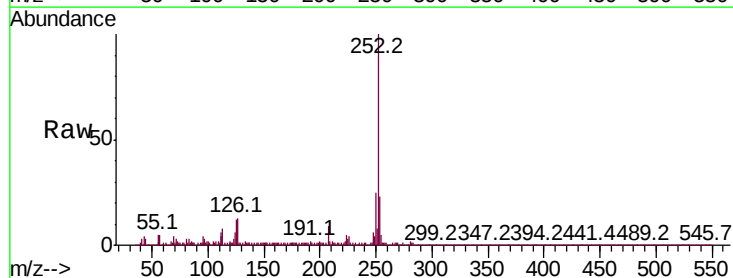
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000332.D
Acq: 19 Sep 2019 16:04

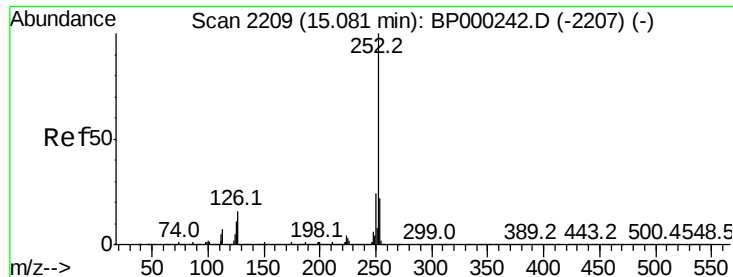
Tot	Ion:264	Resp:	807792
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.9	28.3
265	21.8	17.2	25.8



#88
Benzo(b)fluoranthene
Concen: 3.651 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BP000332.D
Acq: 19 Sep 2019 16:04

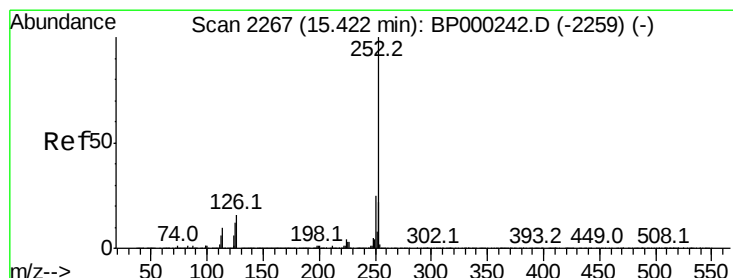
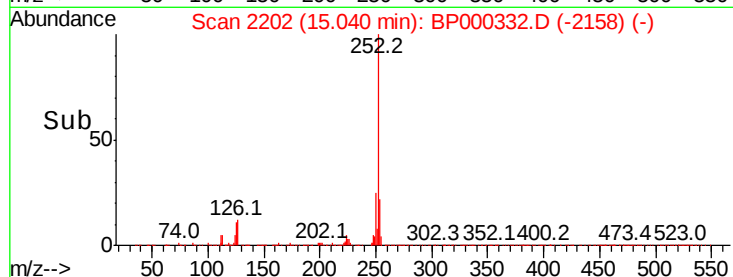
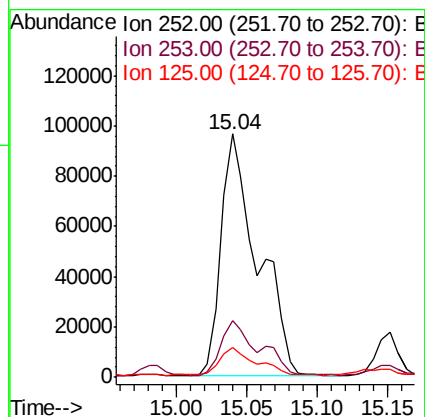
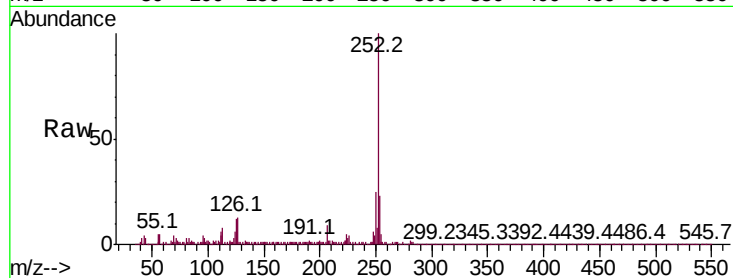
Tgt	Ion:252	Resp:	175937
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.4	9.5	14.3





#89
Benzo(k)fluoranthene
Concen: 4.185 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BP000332.D
Acq: 19 Sep 2019 16:04

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	12.4	9.6	14.4



#90
Benzo(a)pyrene
Concen: 2.231 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BP000332.D
Acq: 19 Sep 2019 16:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	13.3	10.0	15.0

