

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091919\
 Data File : BP000329.D
 Acq On : 19 Sep 2019 14:53
 Operator : HP/JU
 Sample : K4955-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 20 02:06:11 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	229126	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	829301	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	465159	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	860420	20.00	ng	0.00
76) Chrysene-d12	13.99	240	714564	20.00	ng	0.00
87) Perylene-d12	15.48	264	810558	20.00	ng	0.00

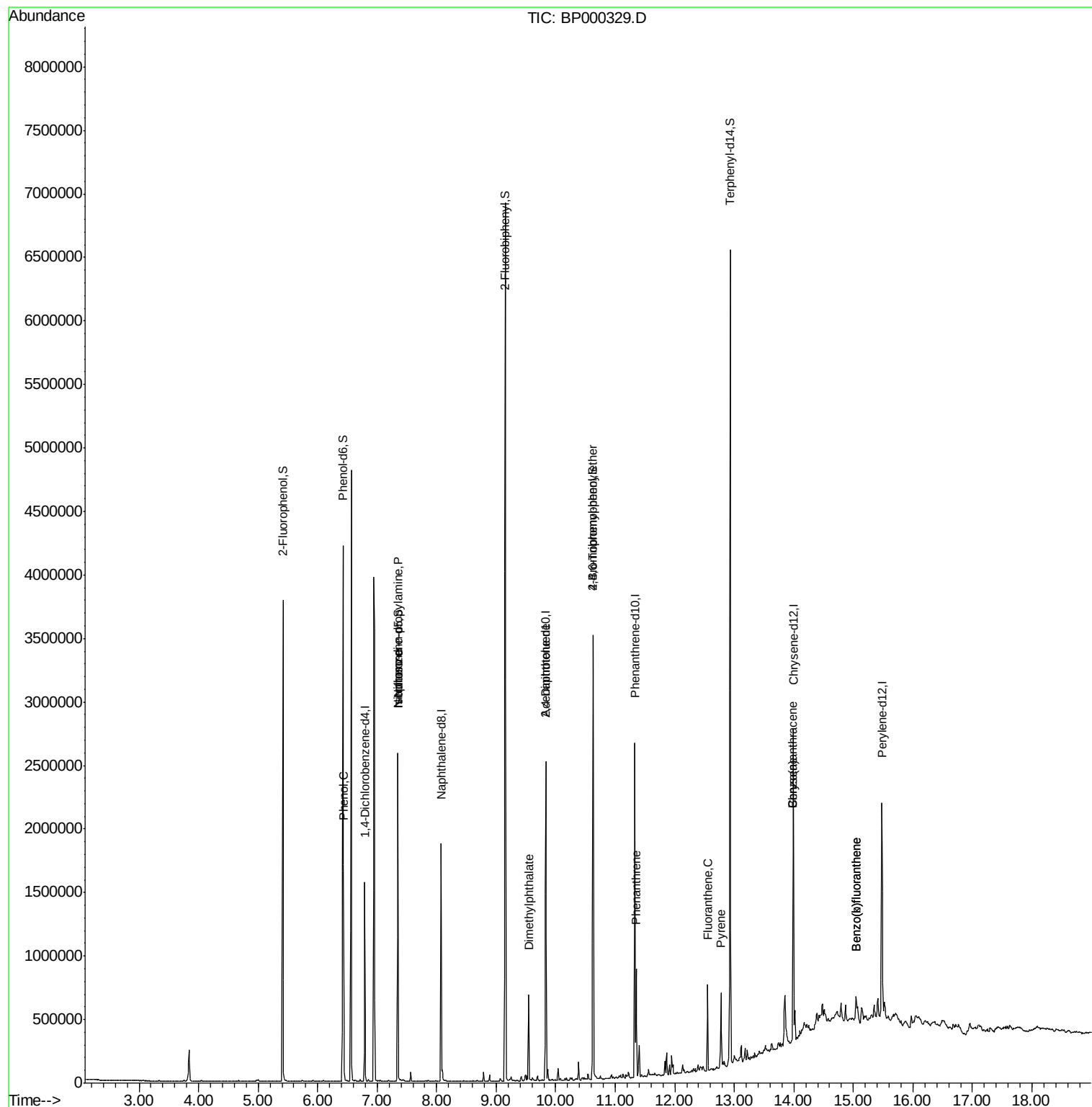
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1271622	95.81	ng	0.01
7) Phenol-d6	6.43	99	1601928	98.46	ng	0.00
23) Nitrobenzene-d5	7.35	82	855639	66.57	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	468480	101.54	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1926817	74.55	ng	0.00
79) Terphenyl-d14	12.93	244	2281656	66.99	ng	0.00

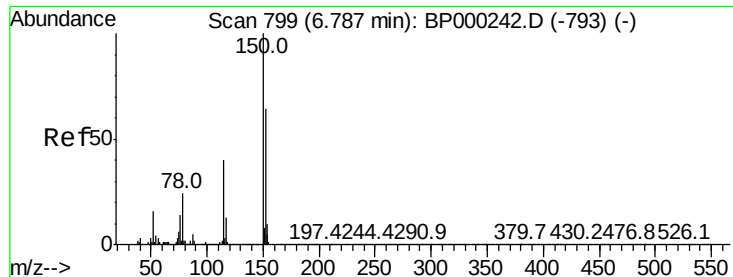
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	3135	Below Cal	#	1
10) Phenol	6.44	94	100401	5.432	ng	98
19) n-Nitroso-di-n-propylamine	7.35	70	104927	12.198	ng	76
25) Isophorone	7.35	82	854729	33.582	ng	63
50) Dimethylphthalate	9.55	163	275976	8.708	ng	98
57) 2,4-Dinitrotoluene	9.83	165	60436	6.634	ng	35
67) 4-Bromophenyl-phenylether	10.63	248	31738	3.262	ng	1
69) Atrazine	11.00	200	112	Below Cal	#	1
71) Phenanthrene	11.35	178	281103	6.519	ng	99
75) Fluoranthene	12.55	202	244955	5.291	ng	96
78) Pyrene	12.78	202	224315	4.196	ng	98
81) Benzo(a)anthracene	13.98	228	124143	2.750	ng	99
83) Chrysene	13.98	228	124143	2.801	ng	96
88) Benzo(b)fluoranthene	15.05	252	141291	2.922	ng	96
89) Benzo(k)fluoranthene	15.05	252	141291	3.350	ng	96

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

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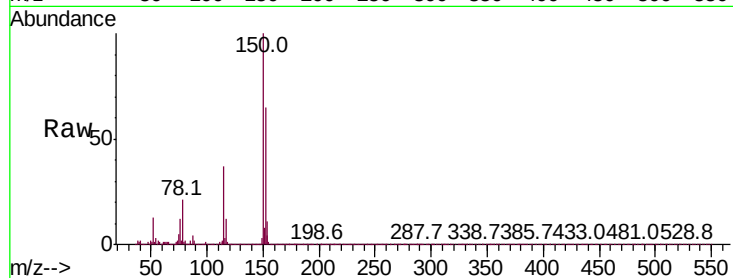




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.2	187.8
115	56.5	49.7	74.5

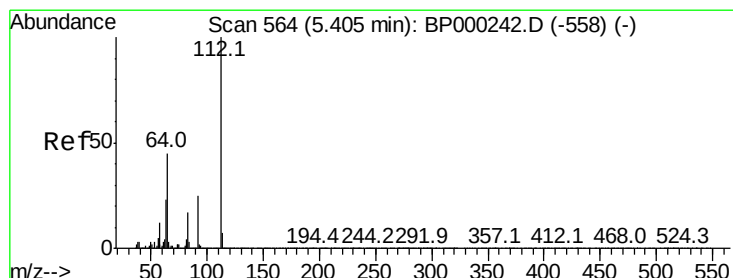
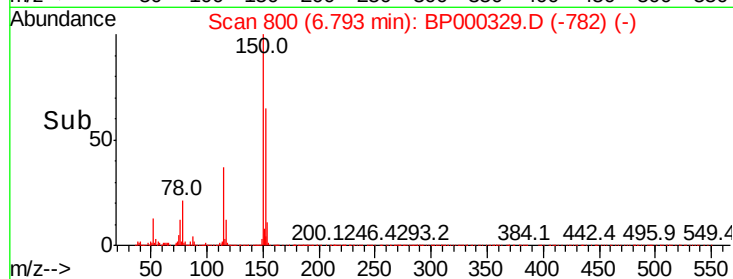
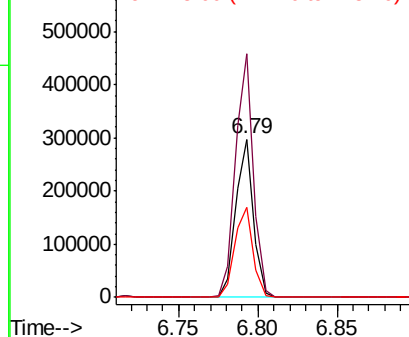


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

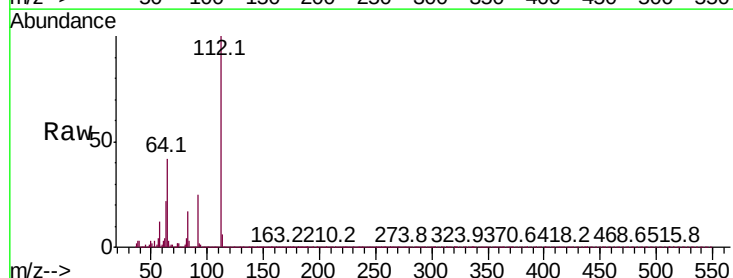
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.810 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.7	36.2	54.4
63	22.1	18.3	27.5

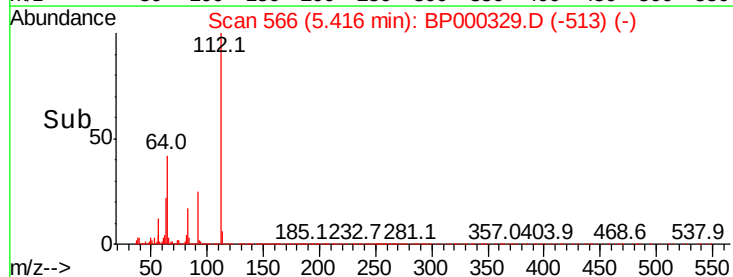
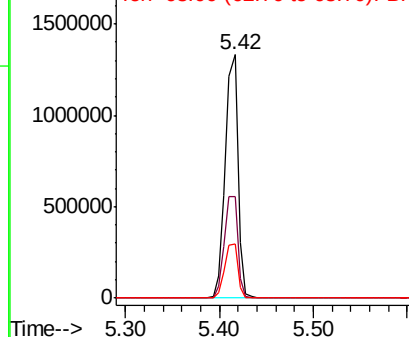


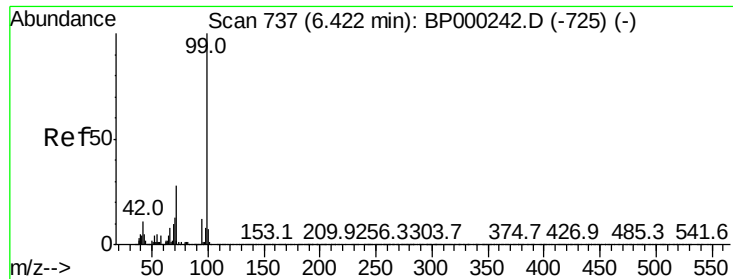
Abundance

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: 98.465 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

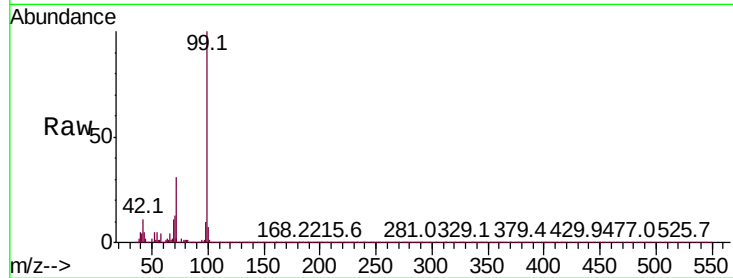
Tot Ion: 99 Resp: 1601928

Ion Ratio Lower Upper

99 100

42 11.4 8.5 12.7

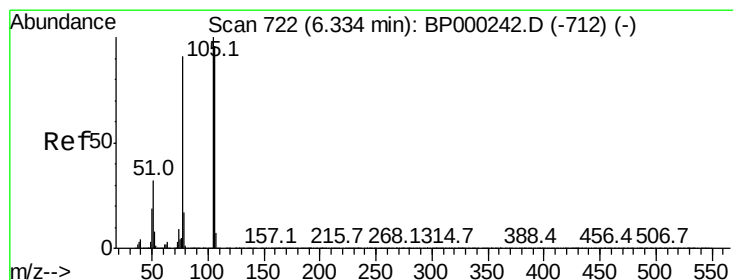
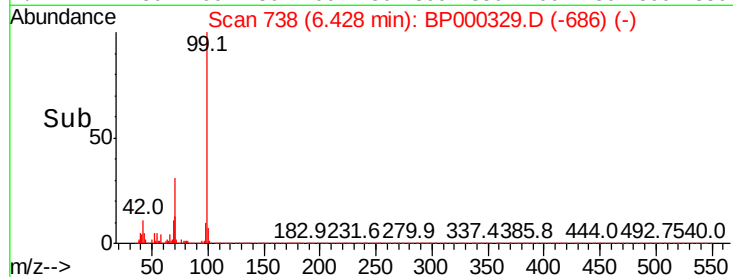
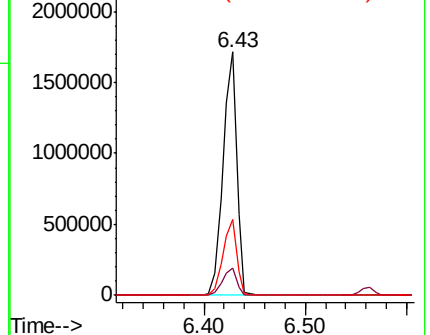
71 31.3 22.6 34.0



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: 6.43 min Scan# 738

Delta R.T. 0.09 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

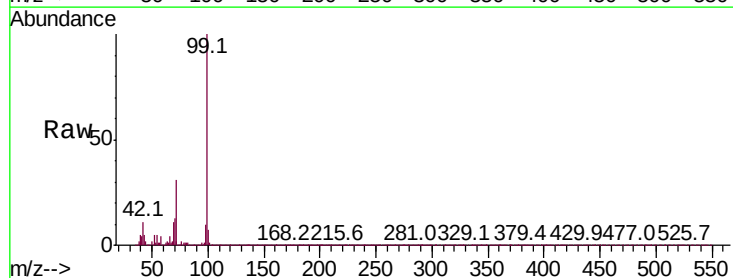
Tgt Ion: 77 Resp: 3135

Ion Ratio Lower Upper

77 100

105 5.9 89.6 129.6#

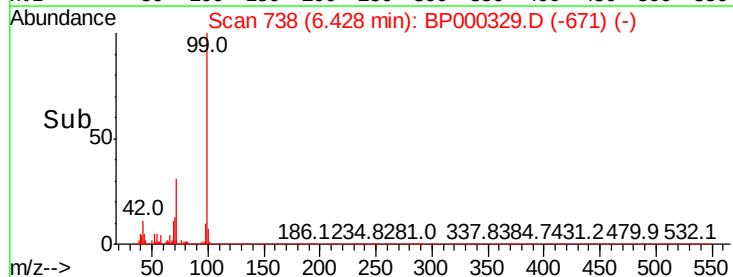
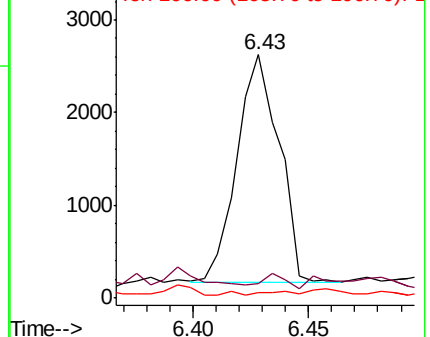
106 2.4 84.6 124.6#

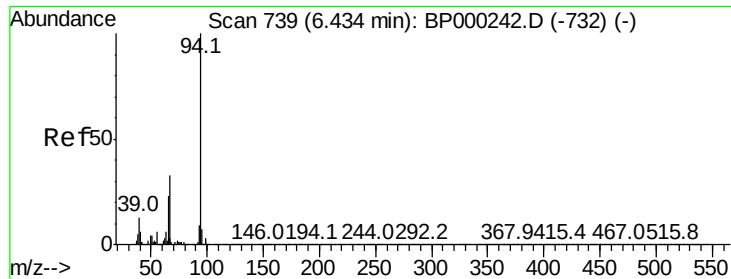


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 5.432 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

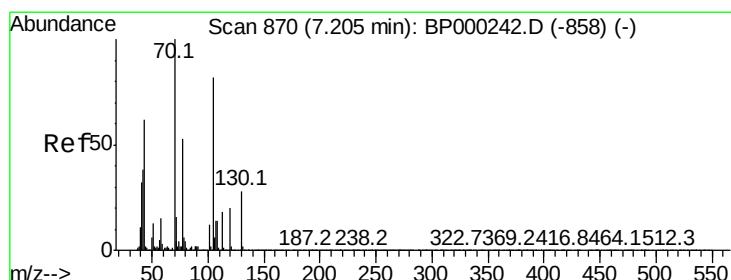
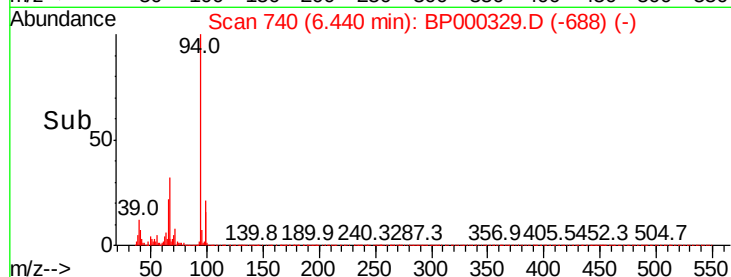
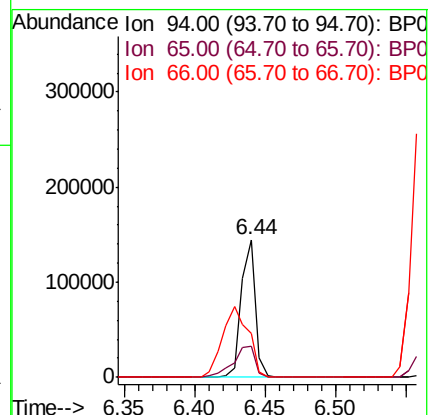
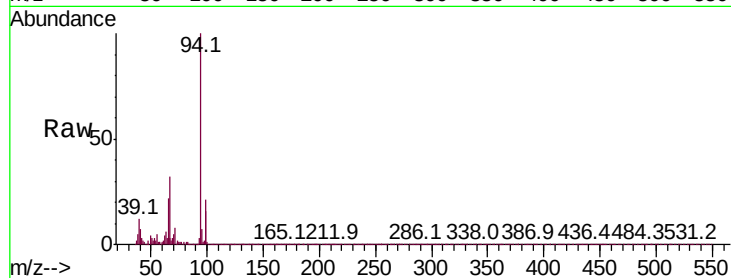
Tot Ion: 94 Resp: 100401

Ion Ratio Lower Upper

94 100

65 22.3 3.3 43.3

66 31.7 12.7 52.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.198 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

Tgt Ion: 70 Resp: 104927

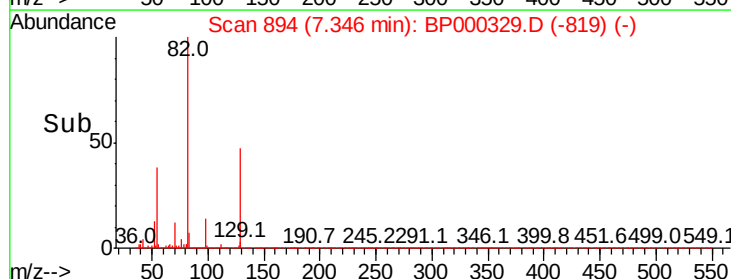
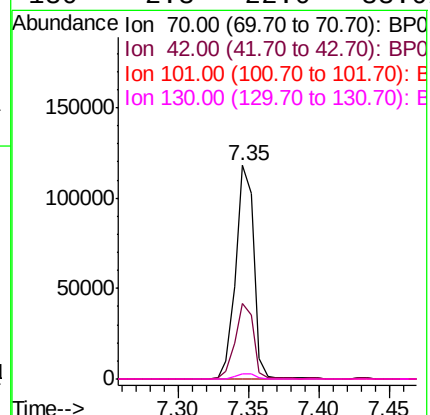
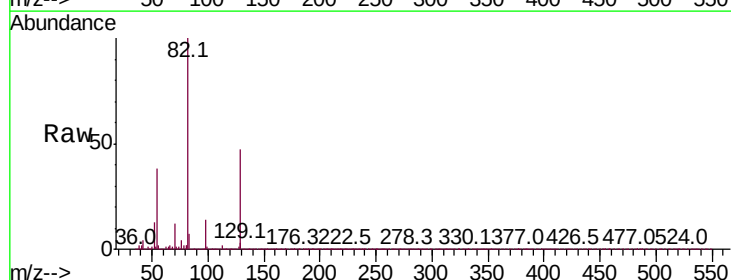
Ion Ratio Lower Upper

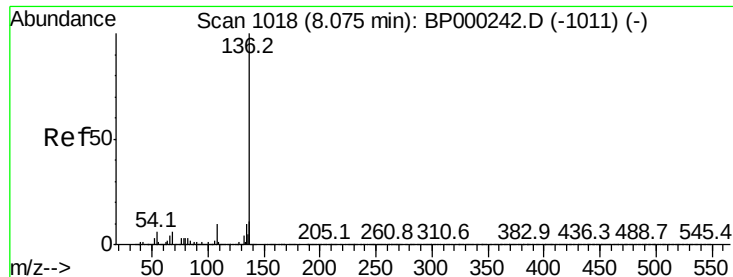
70 100

42 35.6 30.7 46.1

101 0.1 9.6 14.4#

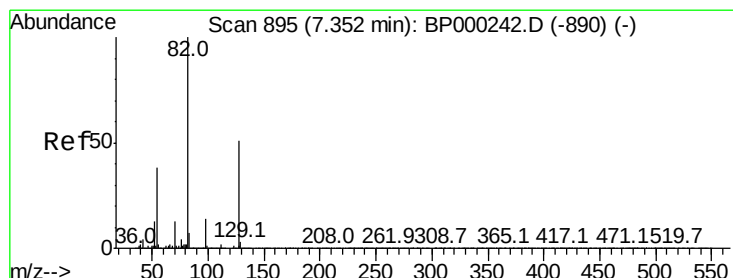
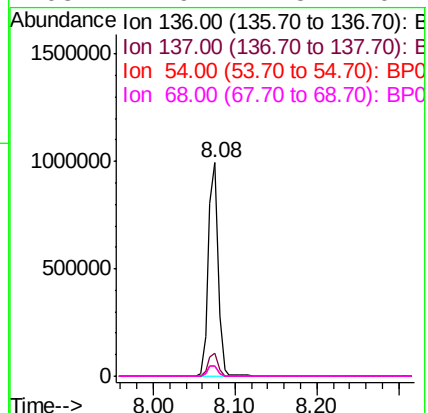
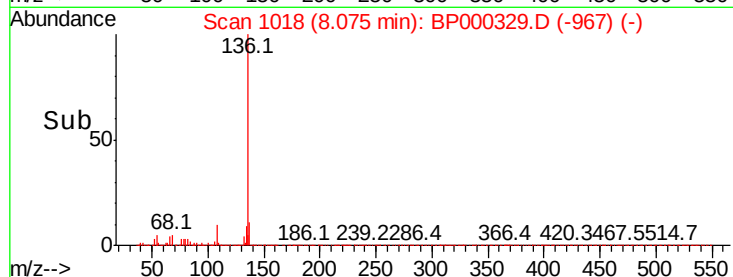
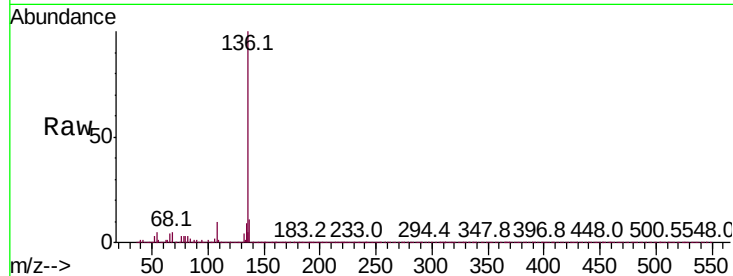
130 2.3 22.0 33.0#





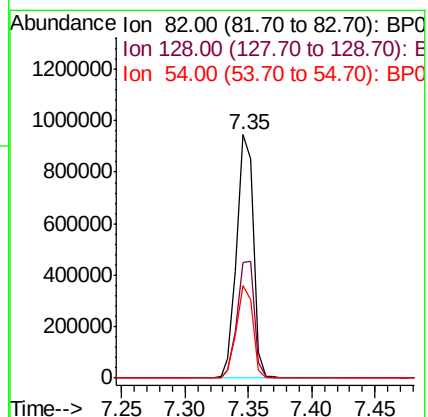
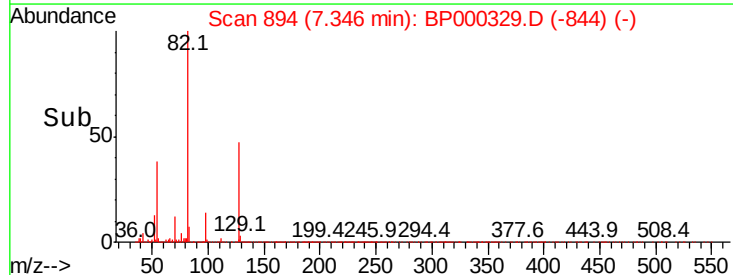
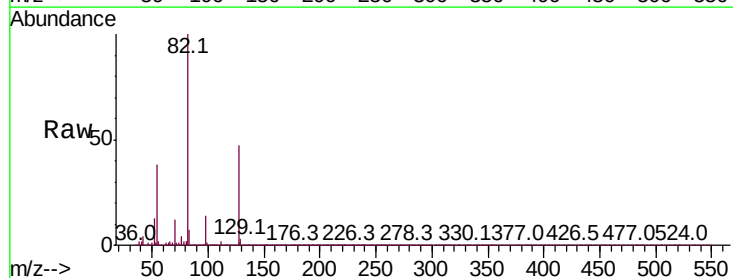
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

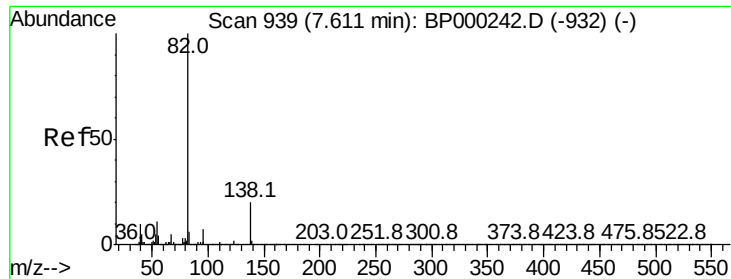
Tot Ion:136	Resp:	829301
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.6	13.0
54 5.0	4.5	6.7
68 4.9	4.5	6.7



#23
Nitrobenzene-d5
Concen: 66.569 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Tgt Ion: 82	Resp:	855639
Ion Ratio	Lower	Upper
82 100		
128 47.5	40.7	61.1
54 38.1	30.1	45.1





#25

Isophorone

Concen: 33.582 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

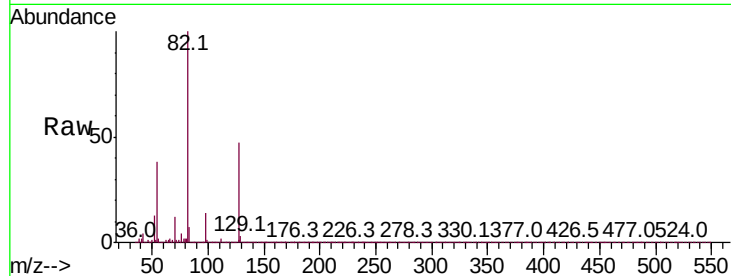
Tot Ion: 82 Resp: 854729

Ion Ratio Lower Upper

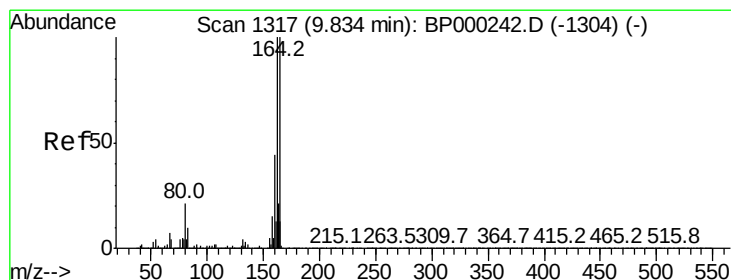
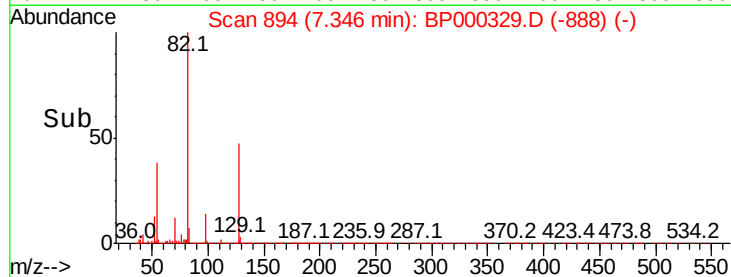
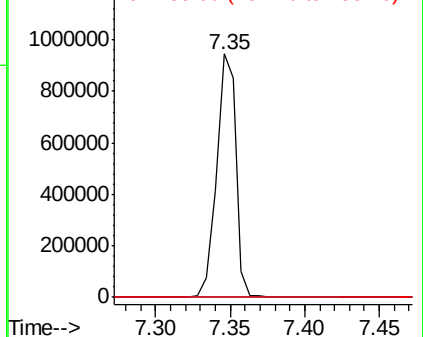
82 100

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: BP000329.D

Acq: 19 Sep 2019 14:53

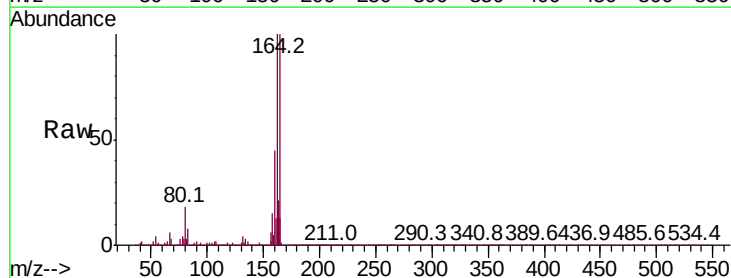
Tgt Ion: 164 Resp: 465159

Ion Ratio Lower Upper

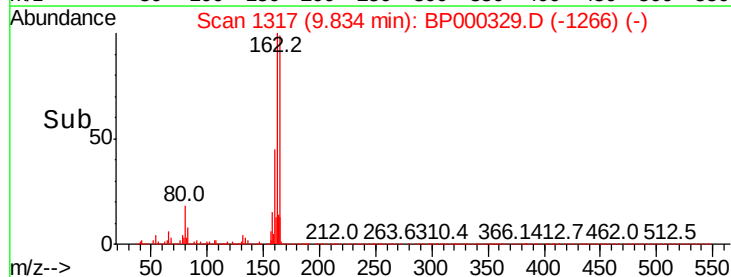
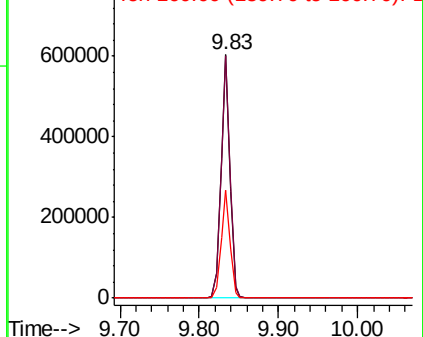
164 100

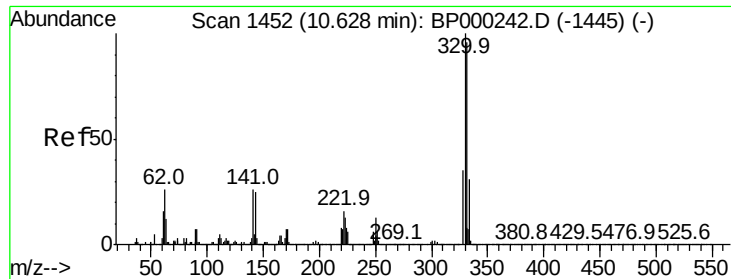
162 99.6 79.9 119.9

160 44.5 35.6 53.4



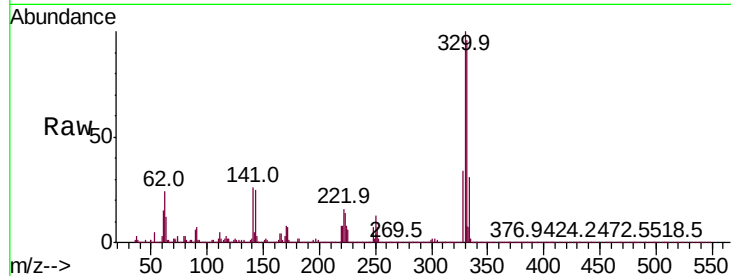
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



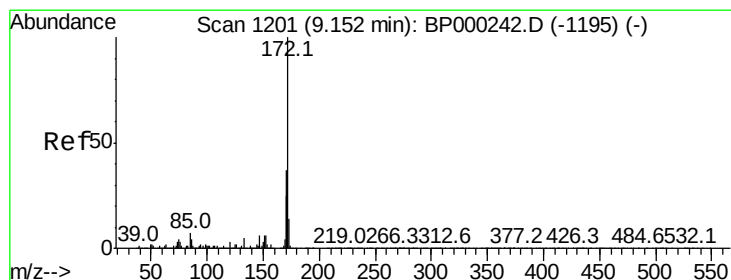
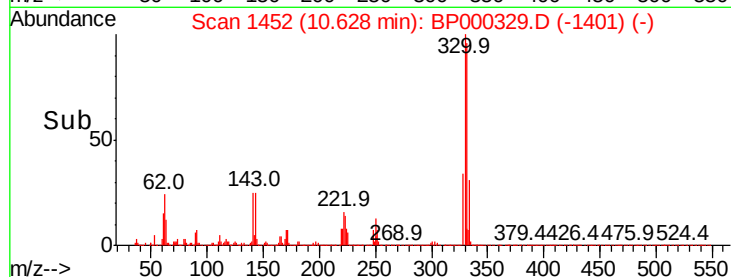
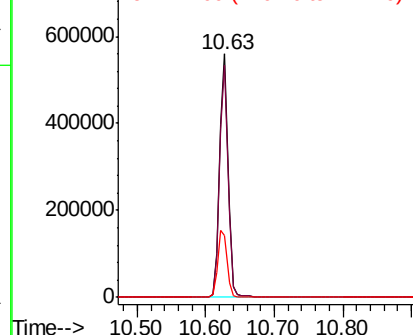


#42
 2,4,6-Tribromophenol
 Concen: 101.540 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BP000329.D
 Acq: 19 Sep 2019 14:53

Tot Ion:	330	Resp:	468480
Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	30.5	26.5	39.7

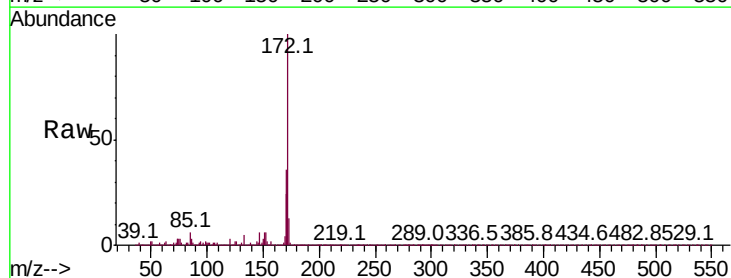


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

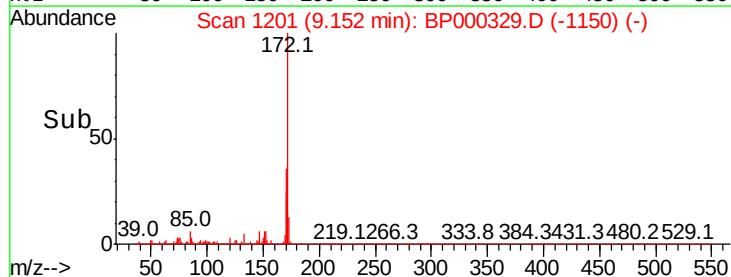
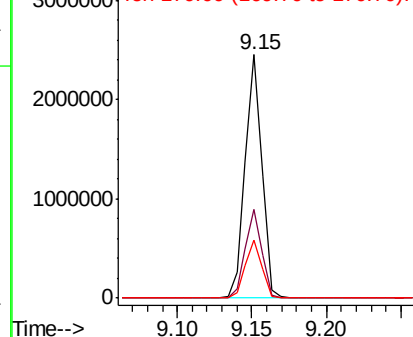


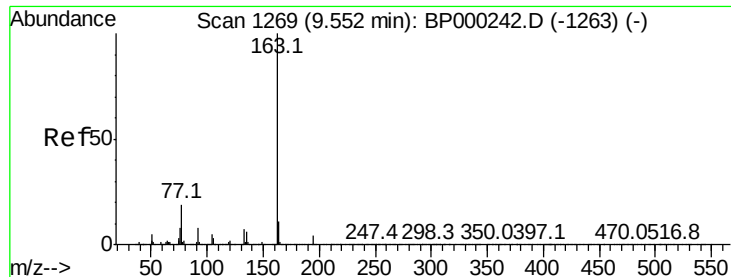
#45
 2-Fluorobiphenyl
 Concen: 74.553 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BP000329.D
 Acq: 19 Sep 2019 14:53

Tgt Ion:	172	Resp:	1926817
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.8	44.6
170	24.0	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: 8.708 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

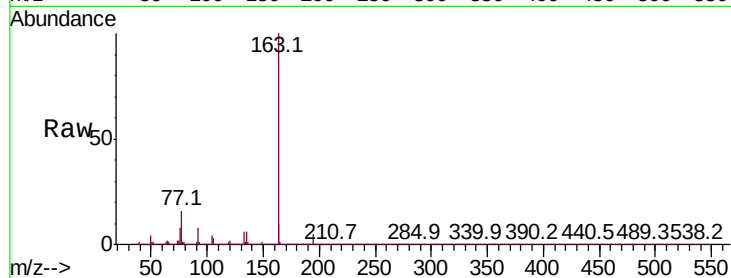
Tot Ion:163 Resp: 275976

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

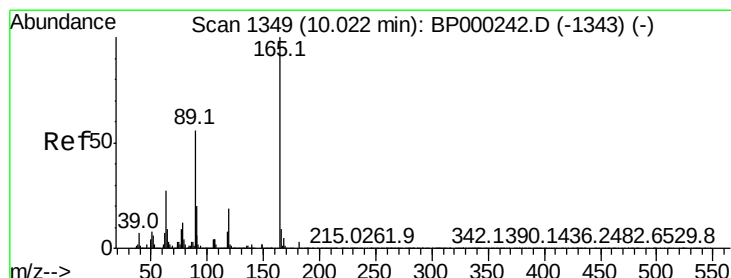
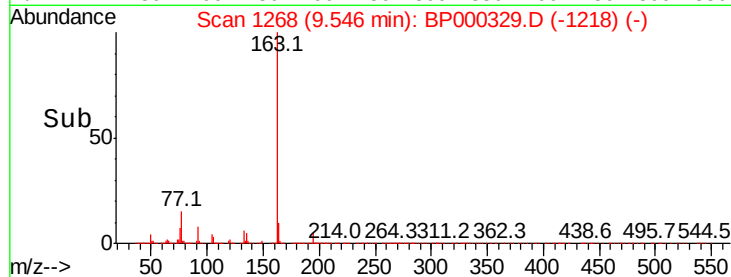
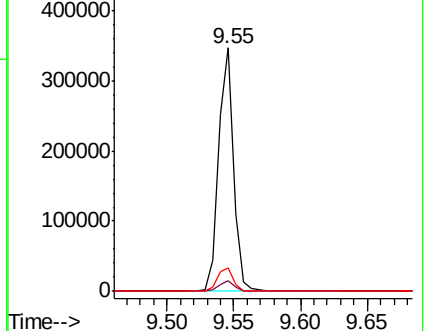
164 9.6 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 6.634 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

Tgt Ion:165 Resp: 60436

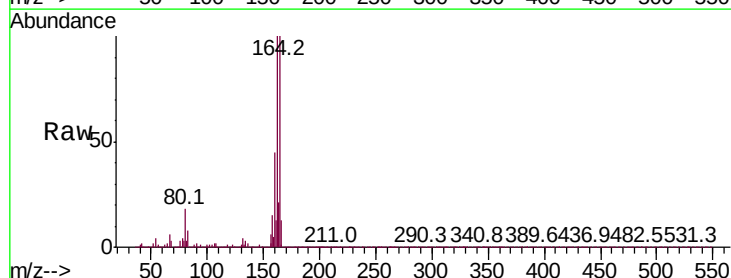
Ion Ratio Lower Upper

165 100

63 0.9 21.7 32.5#

89 1.4 45.0 67.6#

182 0.1 2.4 3.6#

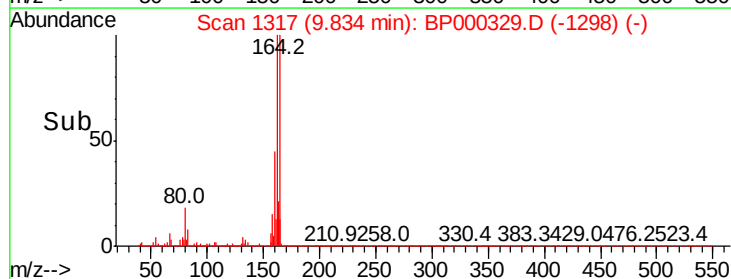
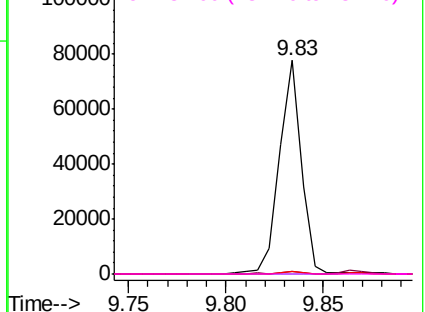


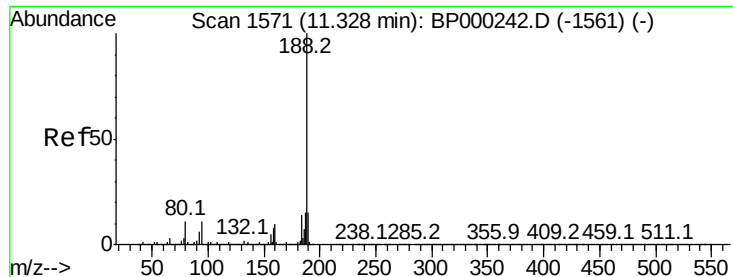
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

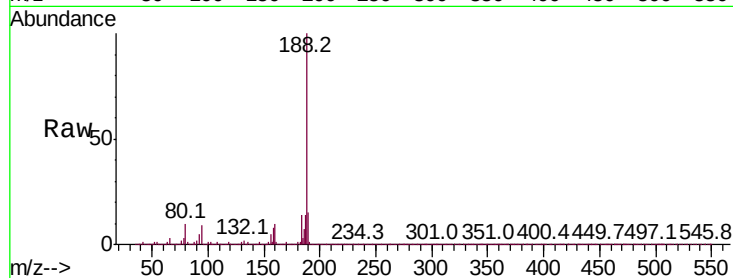
Tot Ion:188 Resp: 860420

Ion Ratio Lower Upper

188 100

94 9.1 8.5 12.7

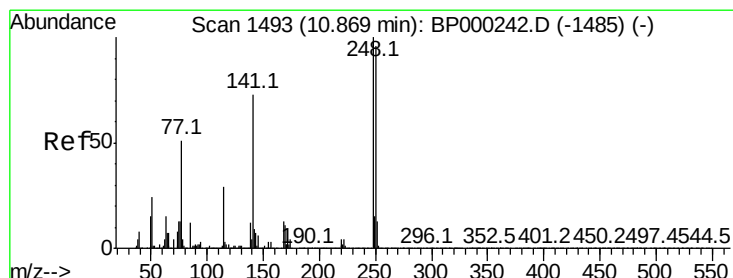
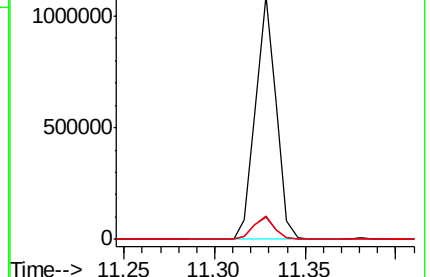
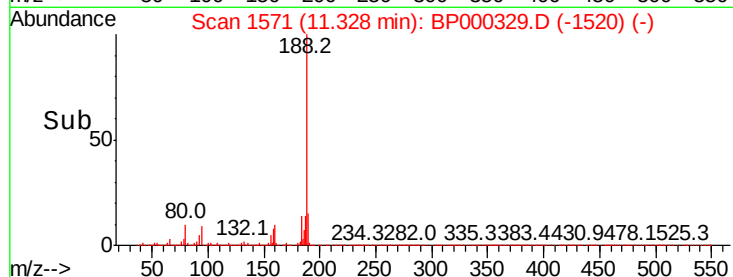
80 9.6 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

1500000 Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#67

4-Bromophenyl-phenylether

Concen: 3.262 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

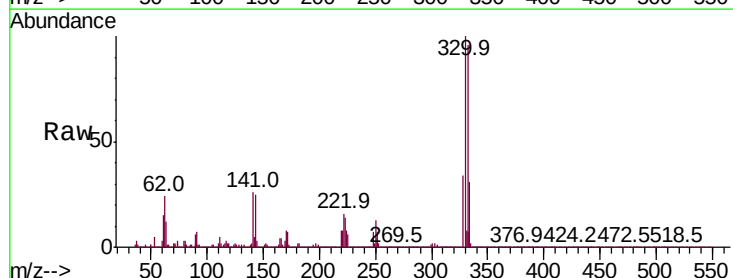
Tgt Ion:248 Resp: 31738

Ion Ratio Lower Upper

248 100

250 194.6 77.0 115.4#

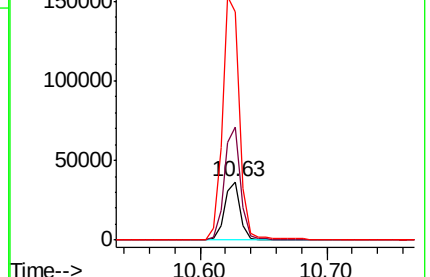
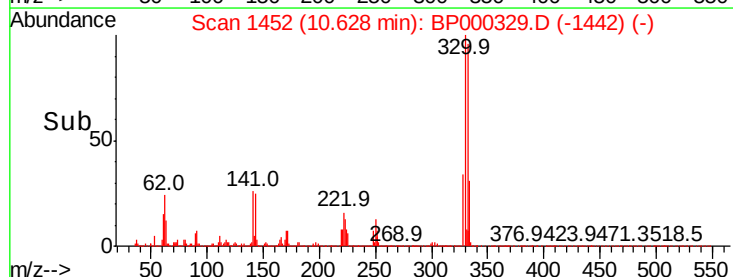
141 390.6 58.5 87.7#

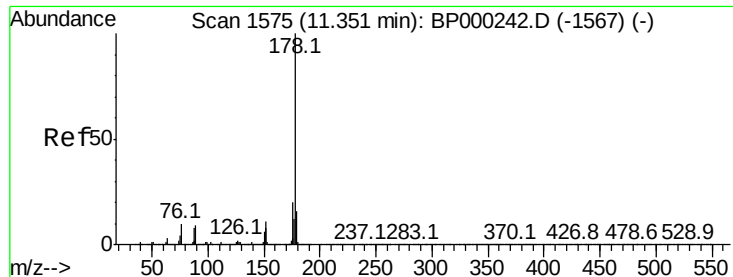


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 6.519 ng

RT: 11.35 min Scan# 1575

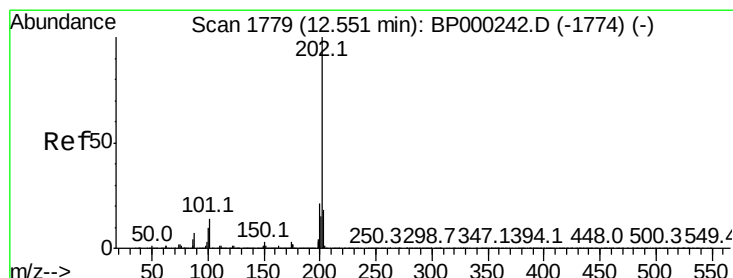
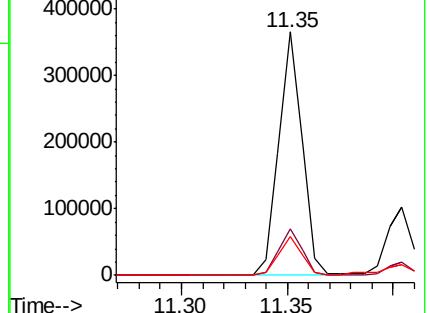
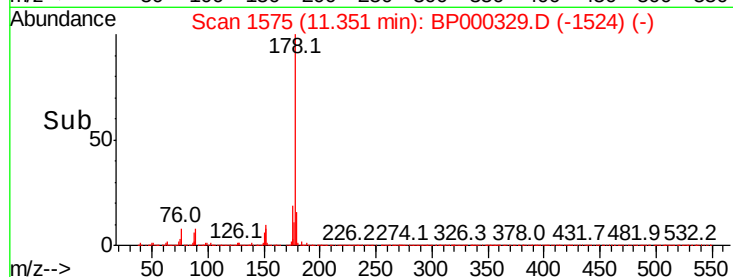
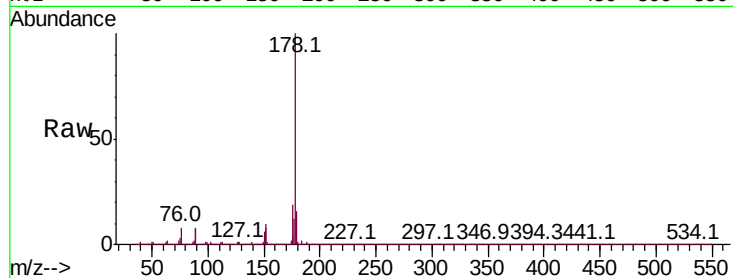
Delta R.T. -0.00 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

Tot Ion:178 Resp: 281103

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.9	12.7	19.1



#75

Fluoranthene

Concen: 5.291 ng

RT: 12.55 min Scan# 1779

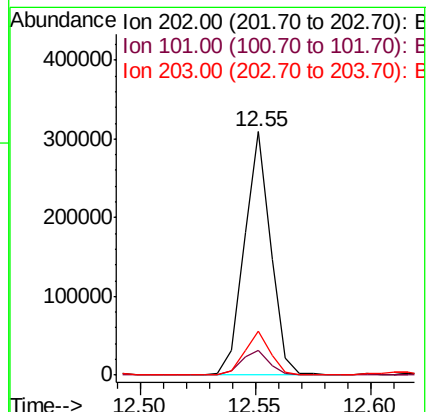
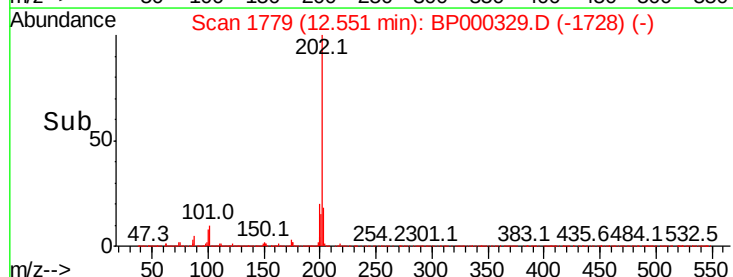
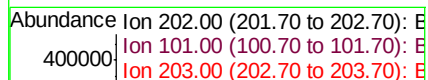
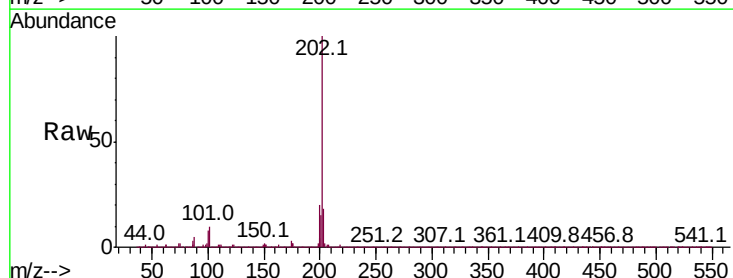
Delta R.T. -0.00 min

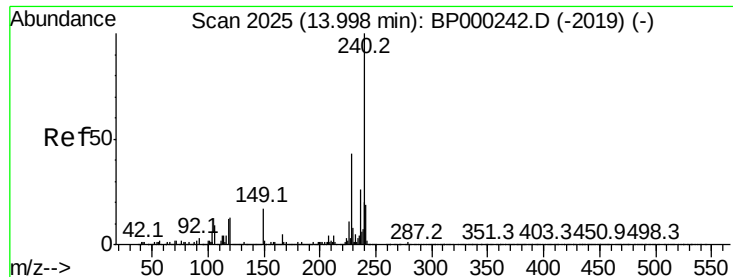
Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

Tgt Ion:202 Resp: 244955

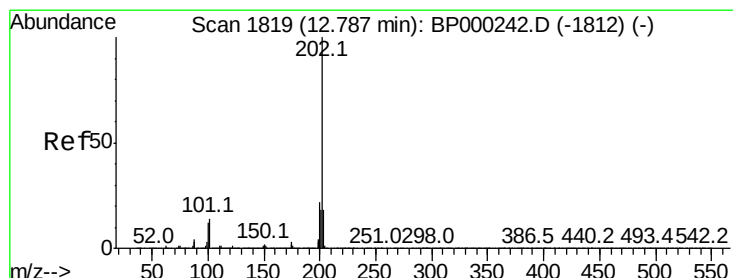
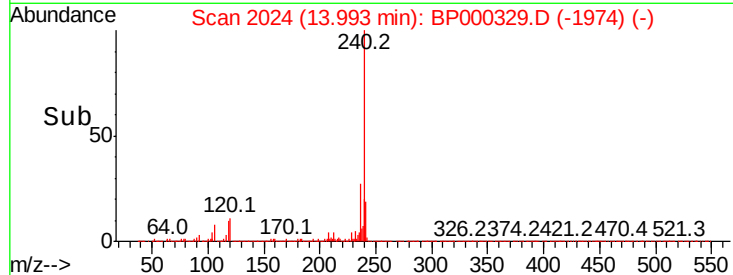
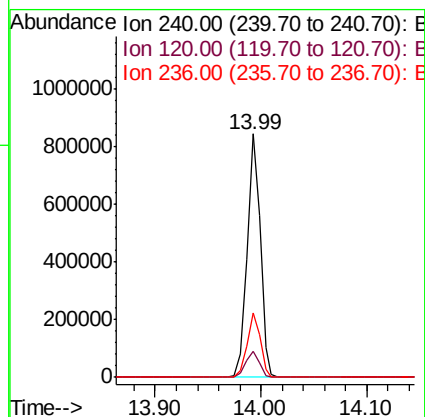
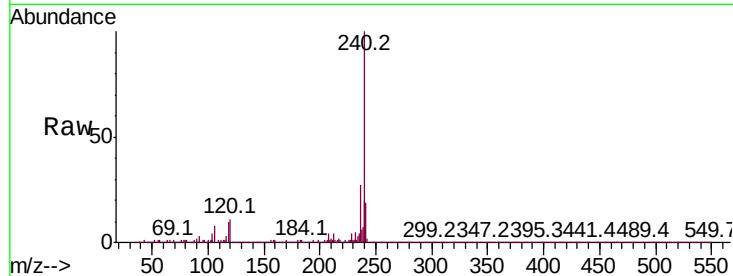
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	33.9
203	17.8	0.0	38.0





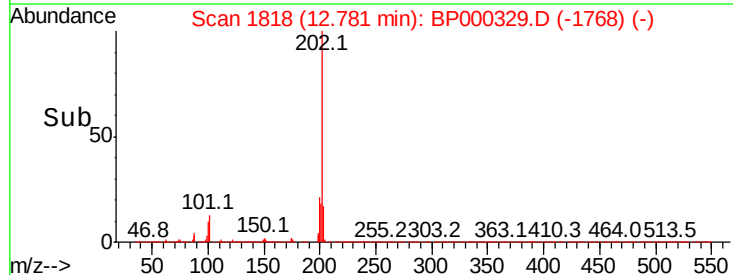
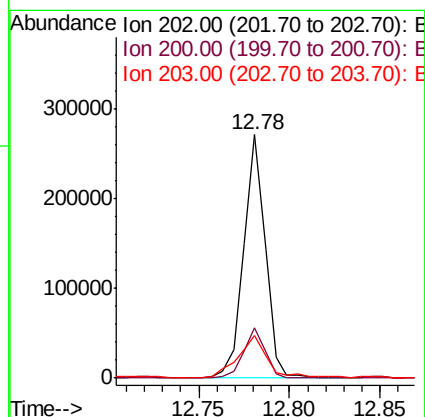
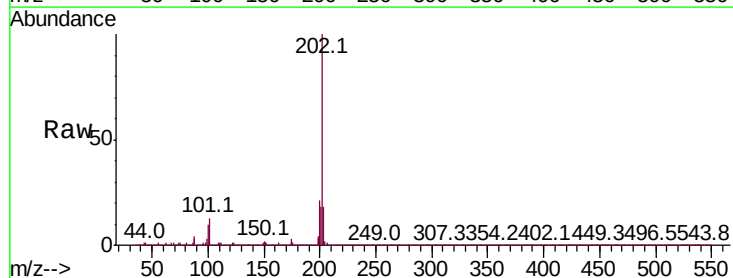
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

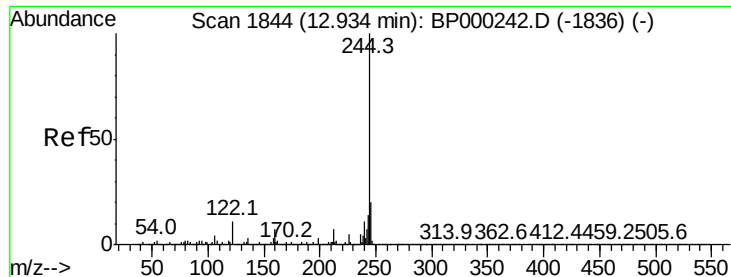
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.4	15.6
236	26.6	21.0	31.6



#78
Pyrene
Concen: 4.196 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.5	26.3
203	17.5	14.3	21.5





#79

Terphenyl-d14

Concen: 66.986 ng

RT: 12.93 min Scan# 1843

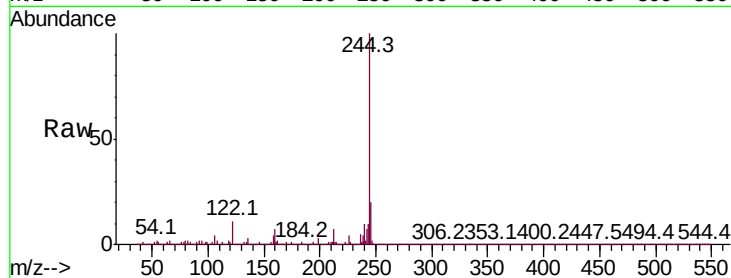
Delta R.T. -0.01 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

Tot Ion:244 Resp: 2281656

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	11.2	9.0	13.4

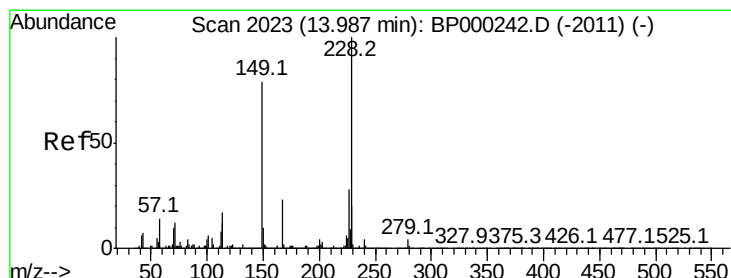
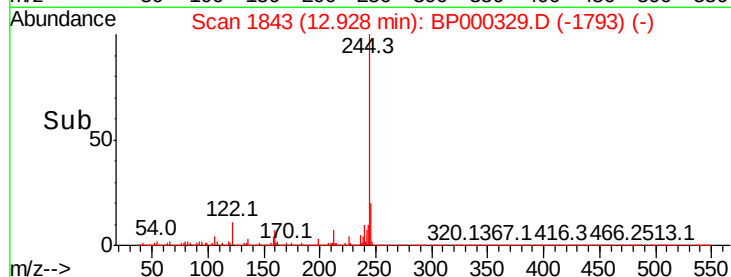
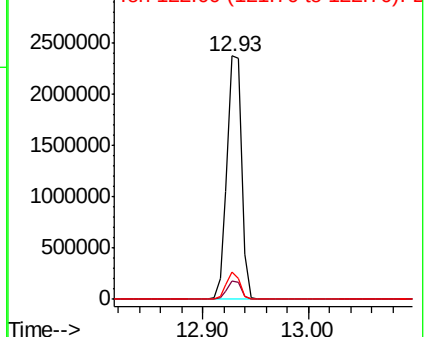


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 2.750 ng

RT: 13.98 min Scan# 2022

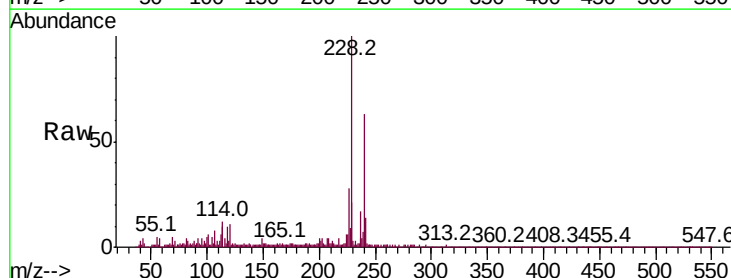
Delta R.T. -0.01 min

Lab File: BP000329.D

Acq: 19 Sep 2019 14:53

Tgt Ion:228 Resp: 124143

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.2	33.4
229	20.7	16.0	24.0

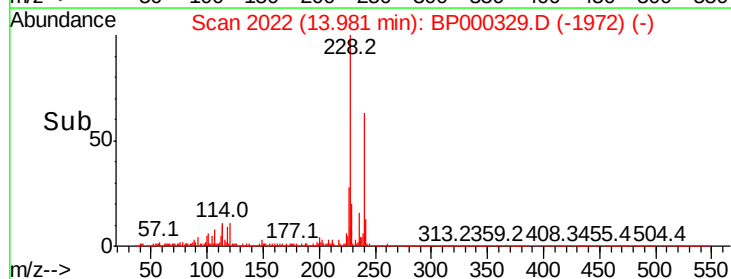
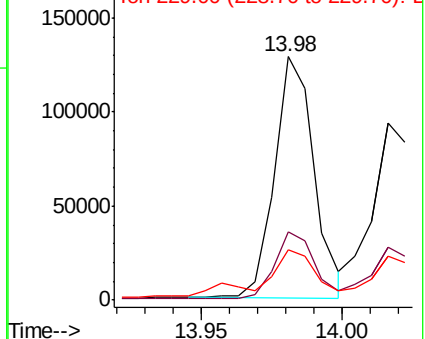


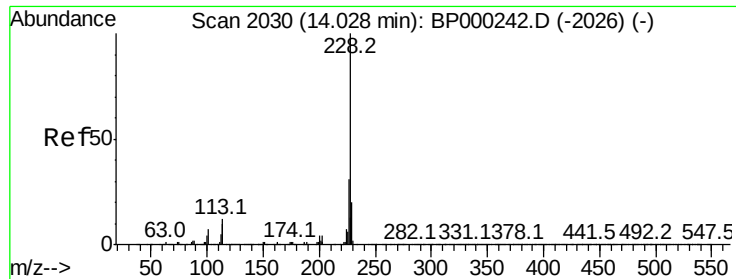
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

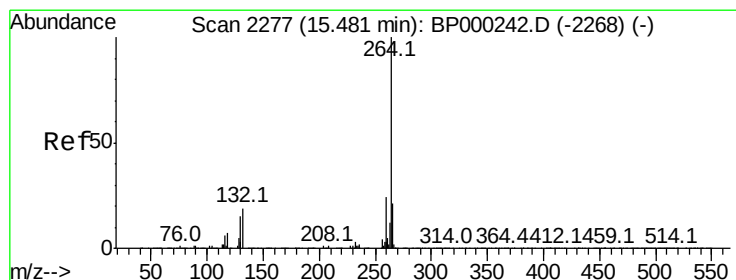
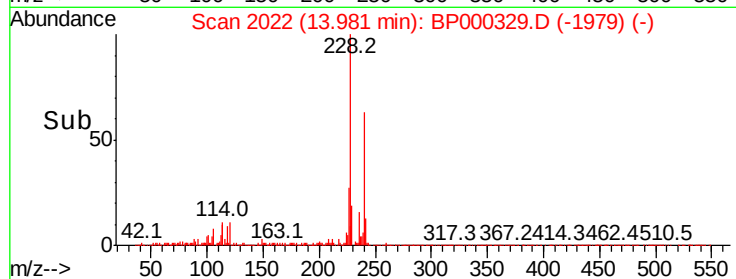
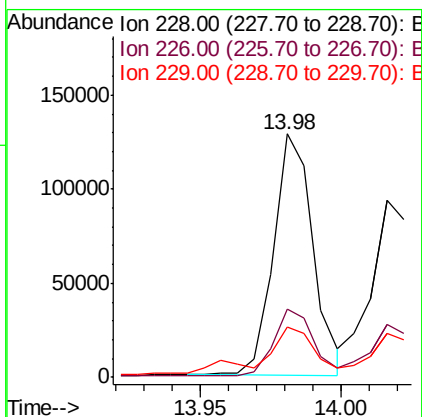
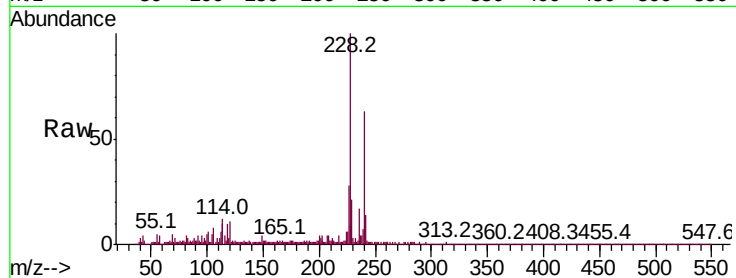
Ion 229.00 (228.70 to 229.70): E





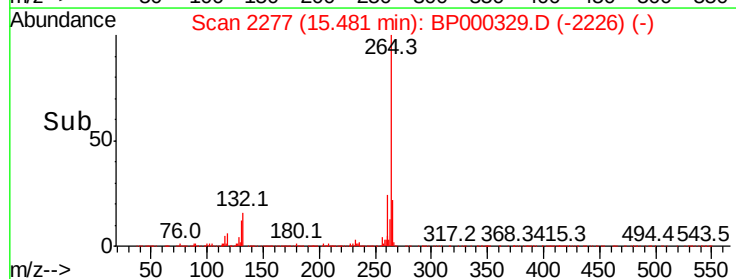
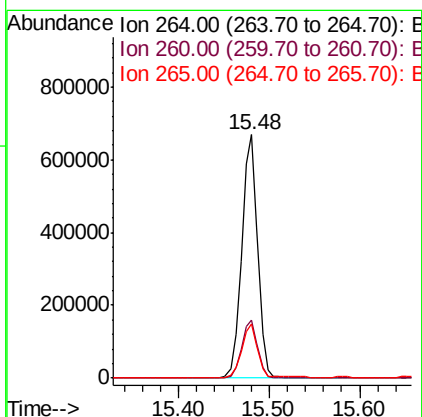
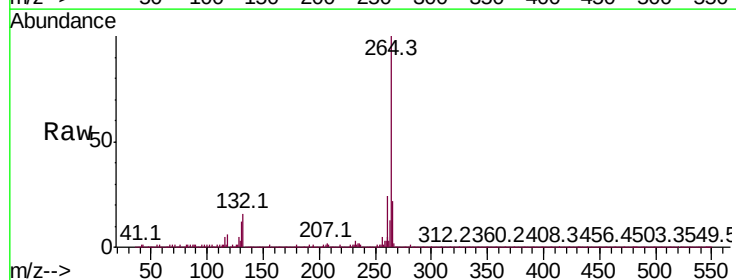
#83
 Chrysene
 Concen: 2.801 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.05 min
 Lab File: BP000329.D
 Acq: 19 Sep 2019 14:53

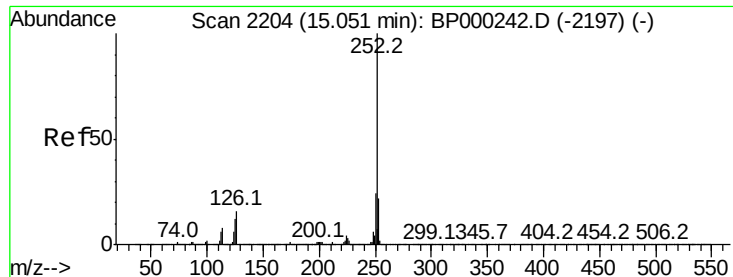
Tot Ion:	228	Resp:	124143
Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.9	37.3
229	20.7	16.2	24.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BP000329.D
 Acq: 19 Sep 2019 14:53

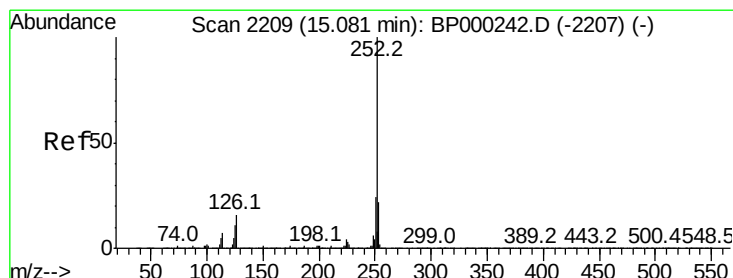
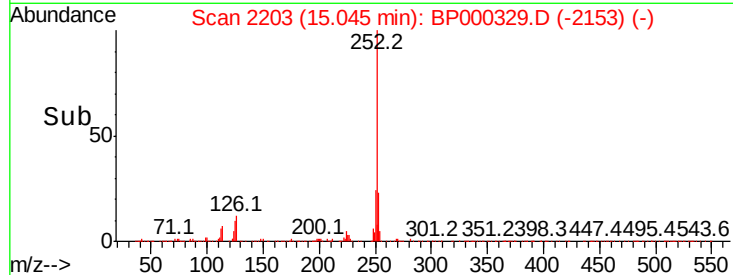
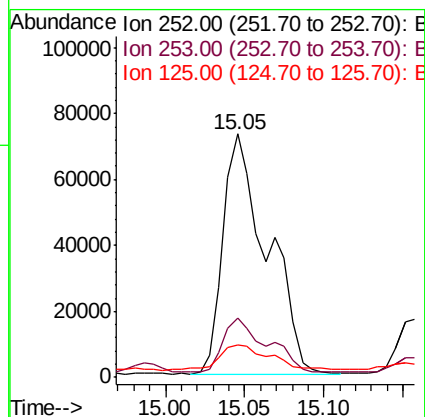
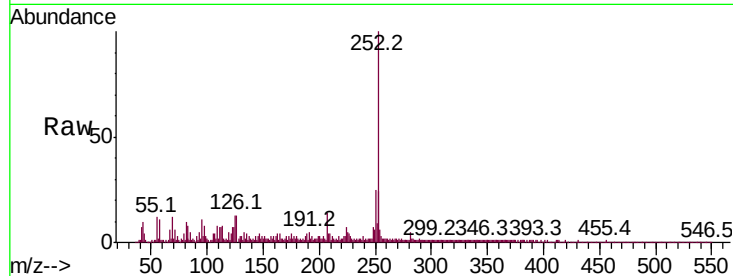
Tgt Ion:	264	Resp:	810558
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.2	17.2	25.8





#88
Benzo(b)fluoranthene
Concen: 2.922 ng
RT: 15.05 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Tot Ion:	252	Resp:	141291
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.6
125	13.4	9.5	14.3



#89
Benzo(k)fluoranthene
Concen: 3.350 ng
RT: 15.05 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BP000329.D
Acq: 19 Sep 2019 14:53

Tgt Ion:	252	Resp:	141291
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.8
125	13.4	9.6	14.4

