

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091219\
 Data File : BP000224.D
 Acq On : 12 Sep 2019 19:20
 Operator : HP/JU
 Sample : K4633-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 13 01:50:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 02:43:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	345802	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1280908	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	661216	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.46	188	1158892	20.00	ng/ul	0.01
78) Chrysene-d12	14.16	240	4140	20.00	ng/ul	0.01
86) Perylene-d12	15.80	264	324198	20.00	ng/ul	0.12

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.62	96	34708	3.56	ng/uL	0.01
5) Phenol-d5	6.52	99	675593	22.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.58	67	342811	22.26	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	576777	24.21	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	472520	21.36	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	270010	27.76	ng/ul	0.00
22) 2-Nitrophenol-d4	7.78	143	297390	31.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	535107	26.63	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	551737	22.20	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	1419229	29.07	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	1713724	28.40	ng/ul	0.00
52) 4-Nitrophenol-d4	10.05	143	180442	20.68	ng/ul	0.01
58) Fluorene-d10	10.47	176	1147472	27.67	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.55	200	98137	18.42	ng/ul	0.02
71) Anthracene-d10	11.52	188	1513683	26.97	ng/ul	0.01
79) Pyrene-d10	12.93	212	1396072	5669.98	ng/ul	0.03
90) Benzo(a)pyrene-d12	15.80	264	324198	19.29	ng/ul	0.22

Target Compounds

					Ovalue	
6) Phenol	6.53	94	110759	3.608	ng/ul	97
28) Naphthalene	8.20	128	353727	5.070	ng/ul	100
34) 2-Methylnaphthalene	8.90	142	82040	1.722	ng/ul	96
35) 1-Methylnaphthalene	9.00	142	53477	1.176	ng/ul	99
45) Dimethylphthalate	9.66	163	568048	11.530	ng/ul	100
50) Acenaphthene	9.99	153	978546	22.403	ng/ul	97
54) Dibenzofuran	10.16	168	301028	5.023	ng/ul	98
59) Fluorene	10.50	166	449801	9.703	ng/ul	97
70) Phenanthrene	11.49	178	6444999	94.041	ng/ul	94
72) Anthracene	11.54	178	2021188	29.971	ng/ul	98
75) Carbazole	11.69	167	1536238	26.643	ng/ul	99
77) Fluoranthene	12.73	202	14400019	208.321	ng/ul	95
80) Pyrene	12.97	202	13471127	43128.943	ng/ul#	92
81) Butylbenzylphthalate	13.58	149	1542	12.581	ng/ul#	65
82) 3,3'-Dichlorobenzidine	14.12	252	302	2.985	ng/ul#	1
83) Benzo(a)anthracene	14.26	228	1592148	5312.781	ng/ul	91
84) Bis(2-ethylhexyl)phthalate	14.19	149	29896	175.651	ng/ul#	77
85) Chrysene	14.26	228	1592148	5789.649	ng/ul	95
88) Benzo(b)fluoranthene	15.43	252	20405683	949.671	ng/ul#	96
89) Benzo(k)fluoranthene	15.43	252	20405683	1007.456	ng/ul#	96
91) Benzo(a)pyrene	15.78	252	11874307	588.999	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	17.32	276	1231912	53.116	ng/ul#	83

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 02:43:18 2019
Response via : Initial Calibration

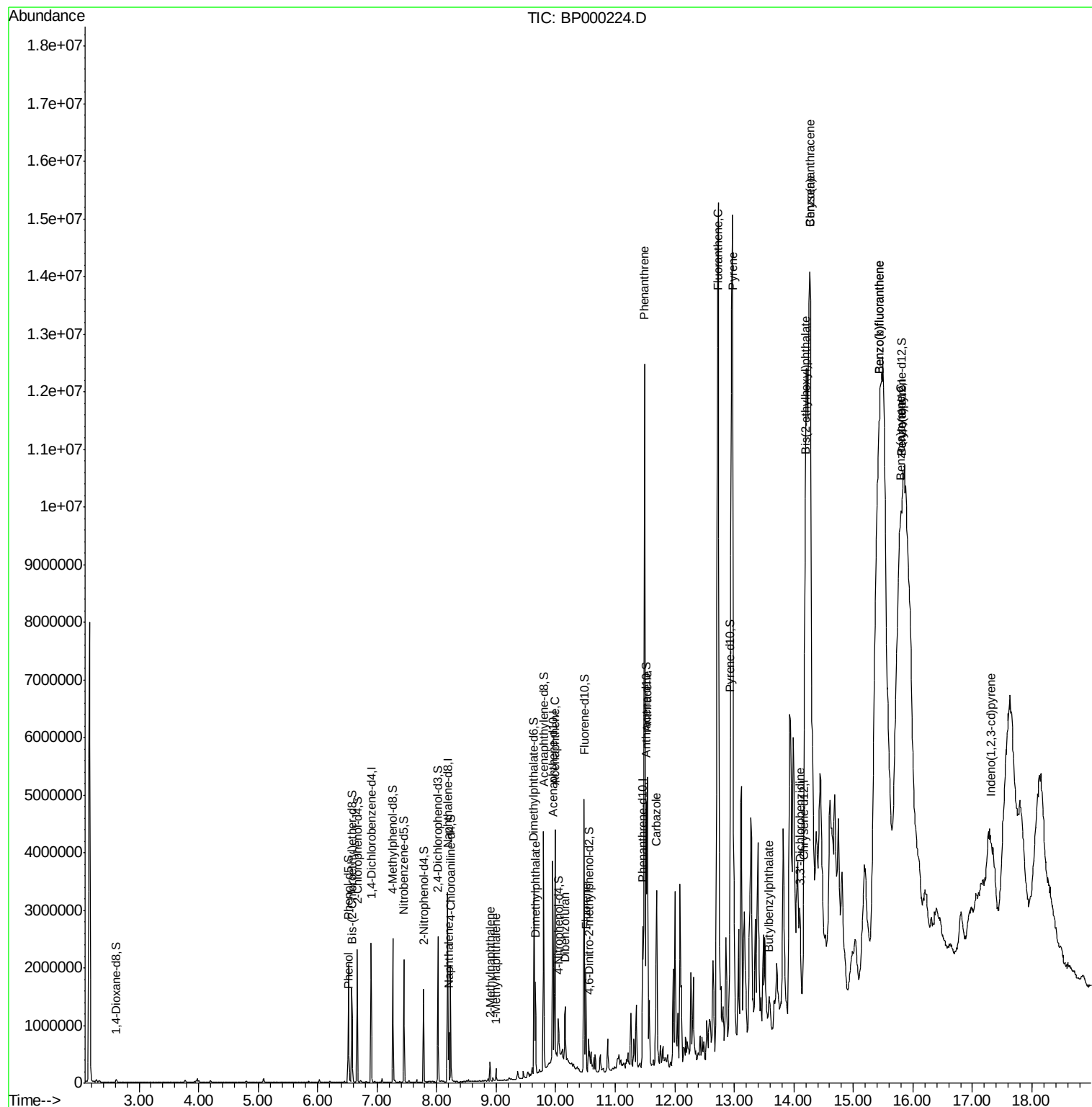
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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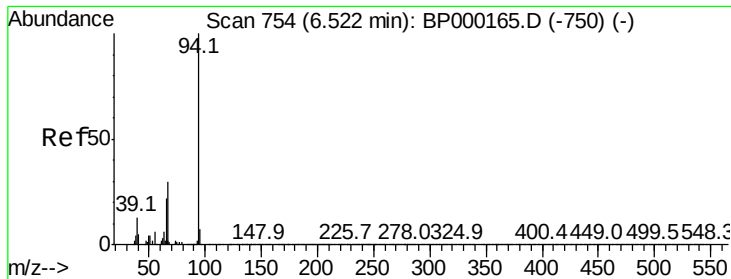
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_P
ClientSampled :

Quant Time: Sep 13 01:50:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 02:43:18 2019
Response via : Initial Calibration





#6

Phenol

Concen: 3.608 ng/ul

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

Instrument :

BNA_P

ClientSampleId :

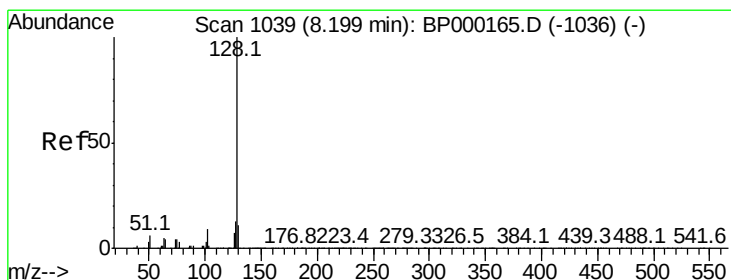
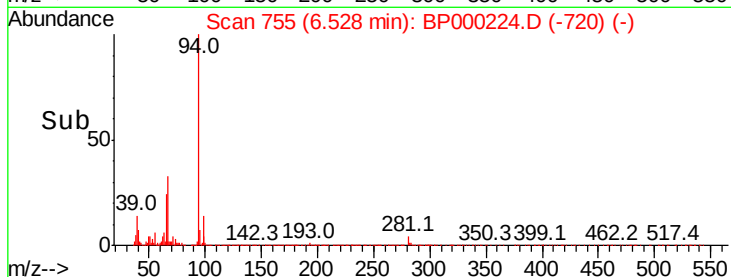
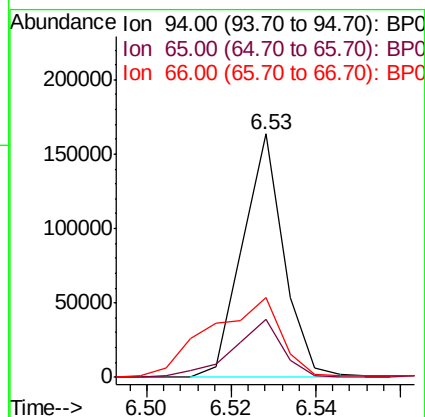
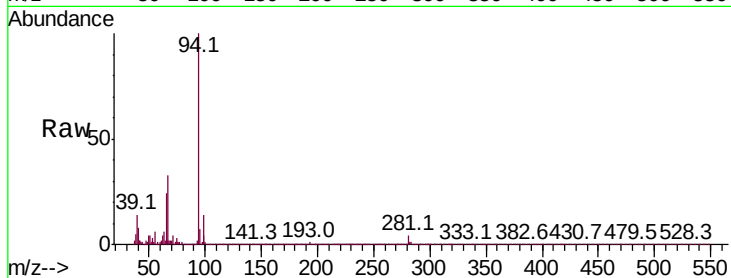
Tot Ion: 94 Resp: 110759

Ion Ratio Lower Upper

94 100

65 24.0 18.8 28.2

66 32.6 24.2 36.2



#28

Naphthalene

Concen: 5.070 ng/ul

RT: 8.20 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

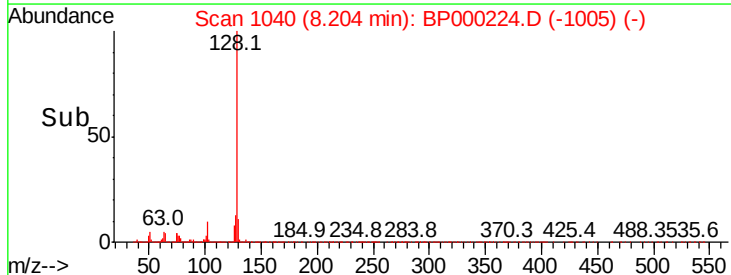
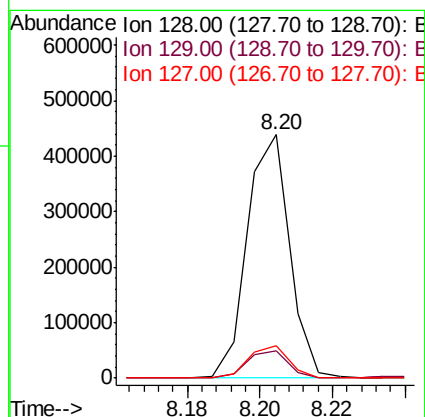
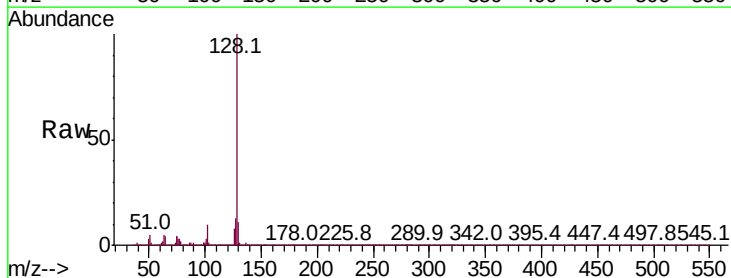
Tgt Ion: 128 Resp: 353727

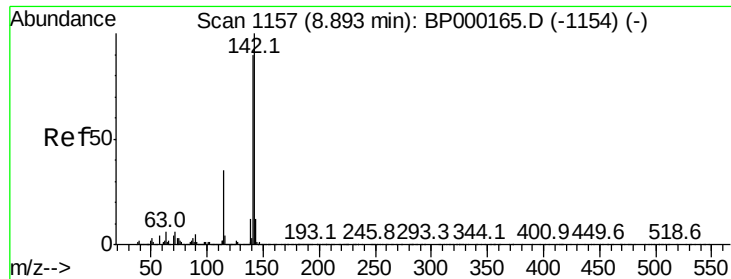
Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

127 13.2 10.7 16.1

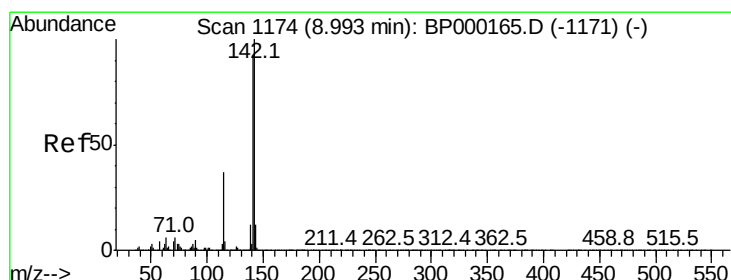
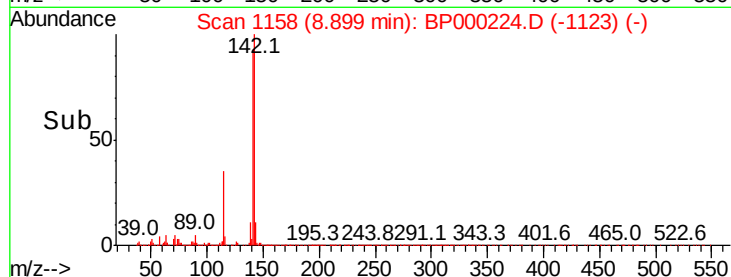
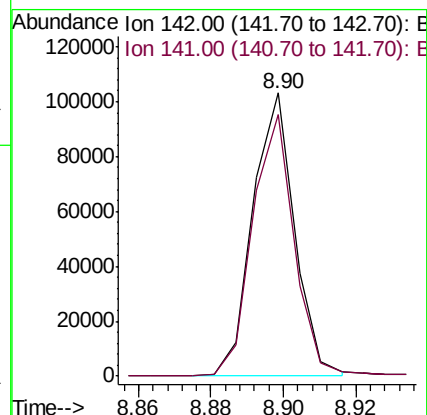
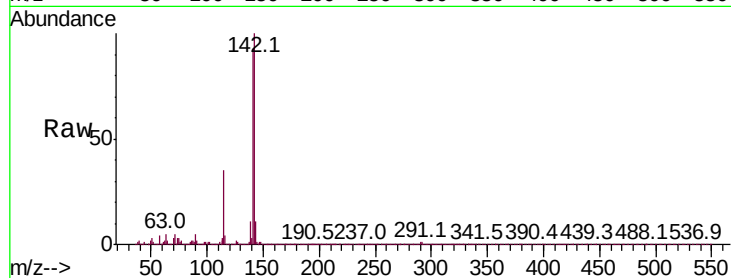




#34
 2-Methylnaphthalene
 Concen: 1.722 ng/ul
 RT: 8.90 min Scan# 1158
 Delta R.T. 0.01 min
 Lab File: BP000224.D
 Acq: 12 Sep 2019 19:20

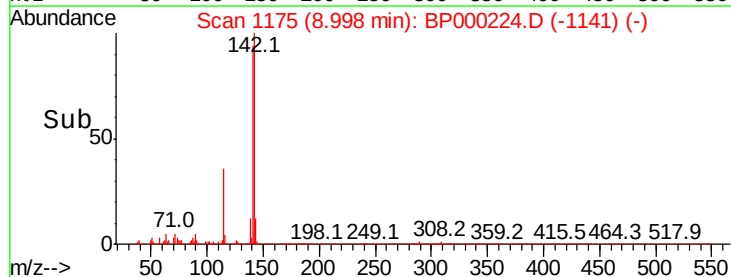
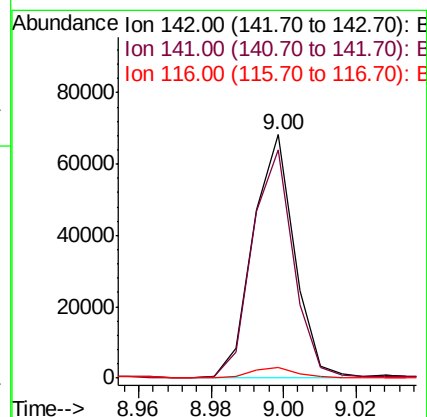
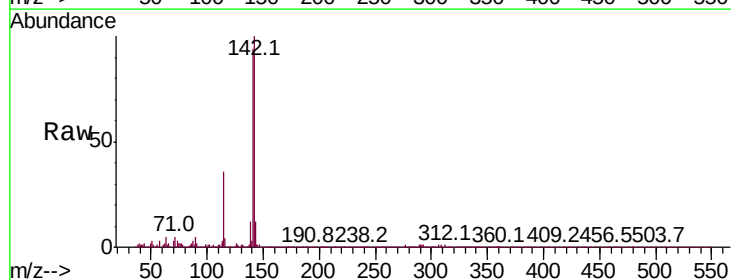
Instrument :
 BNA_P
 ClientSampled :

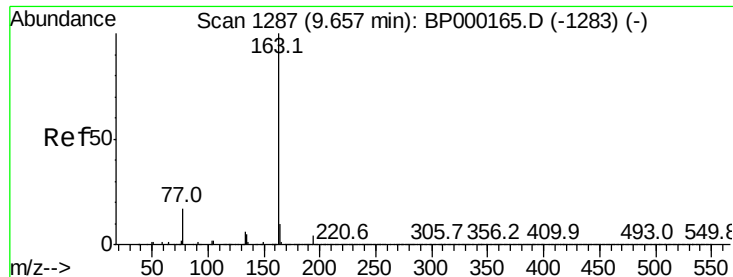
Tot Ion:142 Resp: 82040
 Ion Ratio Lower Upper
 142 100
 141 92.5 71.4 107.0



#35
 1-Methylnaphthalene
 Concen: 1.176 ng/ul
 RT: 9.00 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: BP000224.D
 Acq: 12 Sep 2019 19:20

Tgt Ion:142 Resp: 53477
 Ion Ratio Lower Upper
 142 100
 141 93.6 73.9 110.9
 116 4.4 3.0 4.6





#45

Dimethylphthalate

Concen: 11.530 ng/ul

RT: 9.66 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

Instrument :

BNA_P

ClientSampleId :

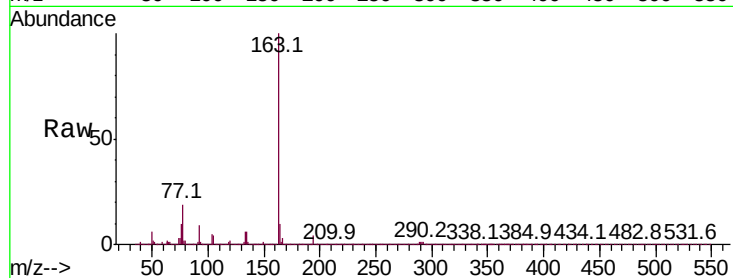
Tot Ion:163 Resp: 568048

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

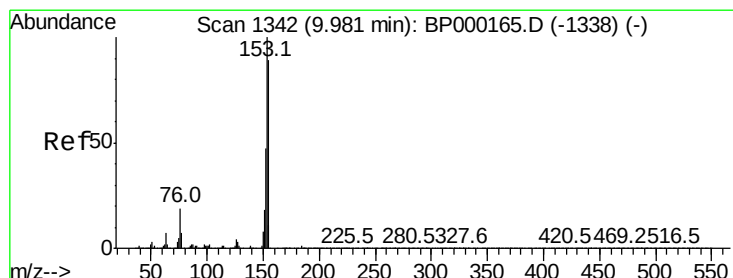
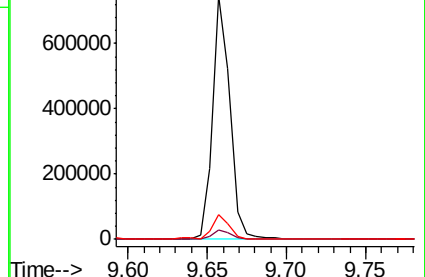
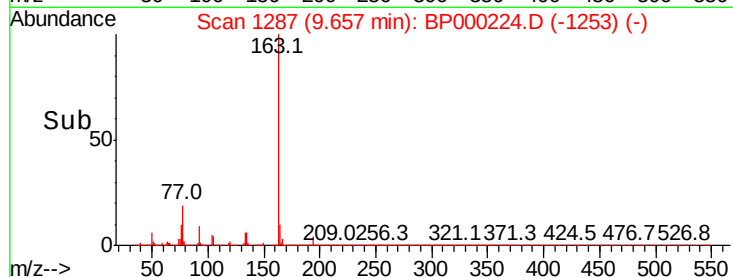
164 10.3 8.4 12.6



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

Acenaphthene

Concen: 22.403 ng/ul

RT: 9.99 min Scan# 1343

Delta R.T. 0.01 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

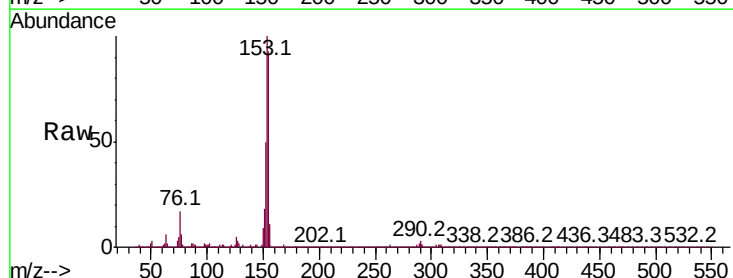
Tgt Ion:153 Resp: 978546

Ion Ratio Lower Upper

153 100

152 49.8 38.0 57.0

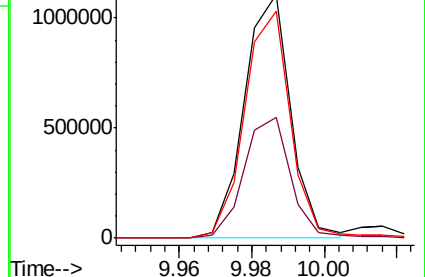
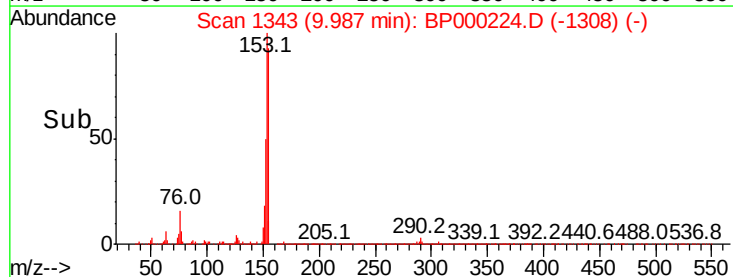
154 93.2 72.6 108.8

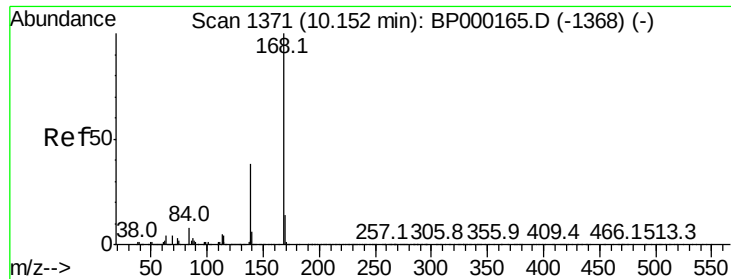


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 5.023 ng/ul

RT: 10.16 min Scan# 1372

Delta R.T. 0.01 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

Instrument :

BNA_P

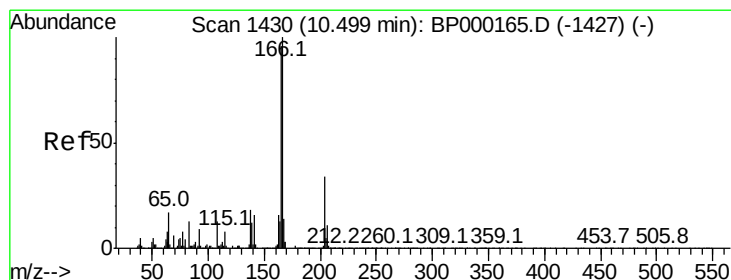
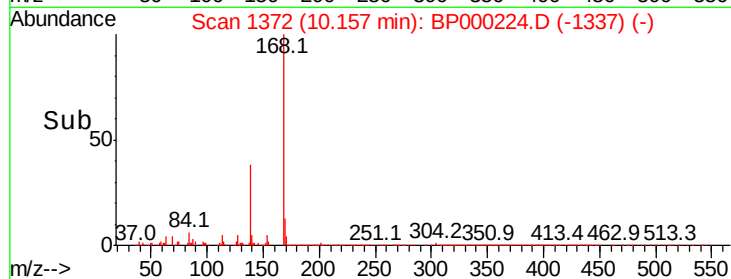
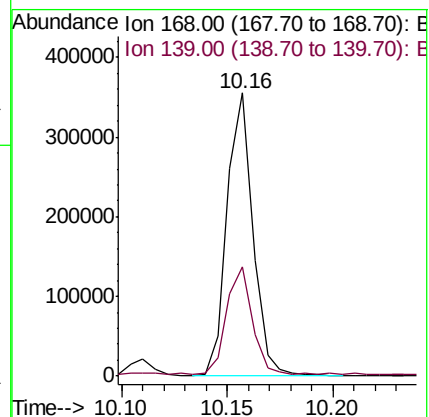
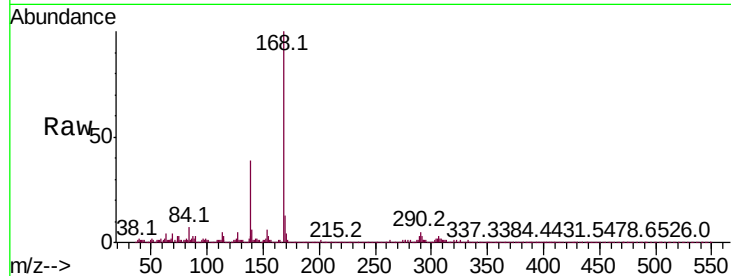
ClientSampleId :

Tot Ion:168 Resp: 301028

Ion Ratio Lower Upper

168 100

139 38.7 30.0 45.0



#59

Fluorene

Concen: 9.703 ng/ul

RT: 10.50 min Scan# 1431

Delta R.T. 0.01 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

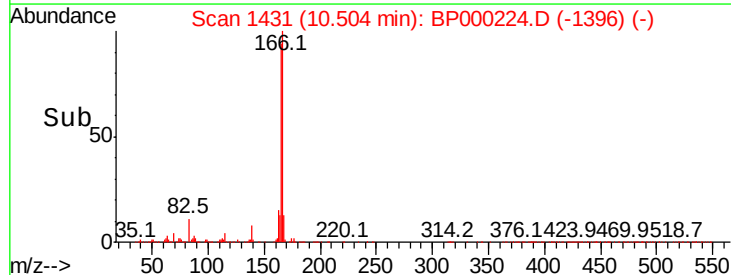
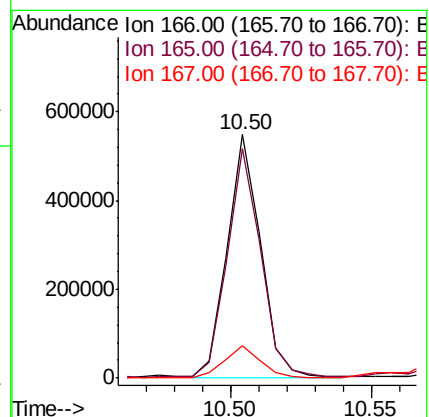
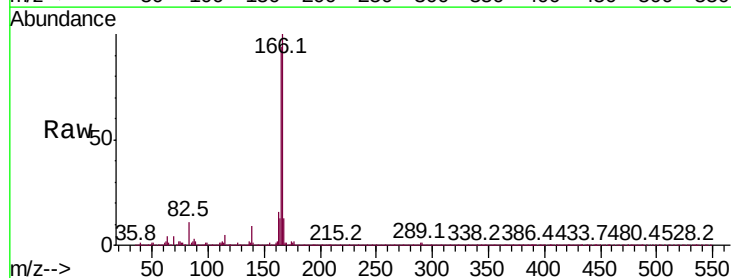
Tgt Ion:166 Resp: 449801

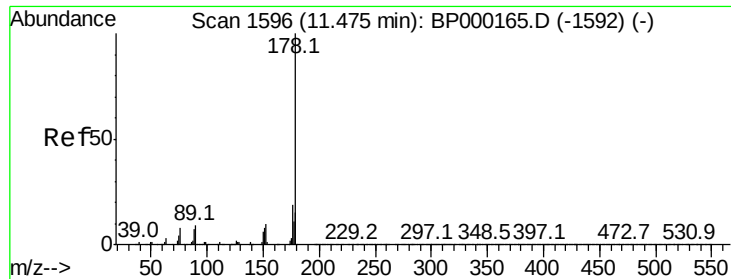
Ion Ratio Lower Upper

166 100

165 94.0 77.8 116.8

167 13.2 10.9 16.3





#70

Phenanthrene

Concen: 94.041 ng/ul

RT: 11.49 min Scan# 1599

Delta R.T. 0.02 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

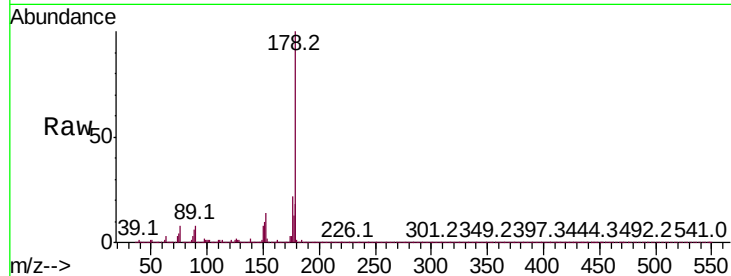
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 6444999

Ion	Ratio	Lower	Upper
178	100		
179	17.7	12.5	18.7
176	22.5	15.7	23.5

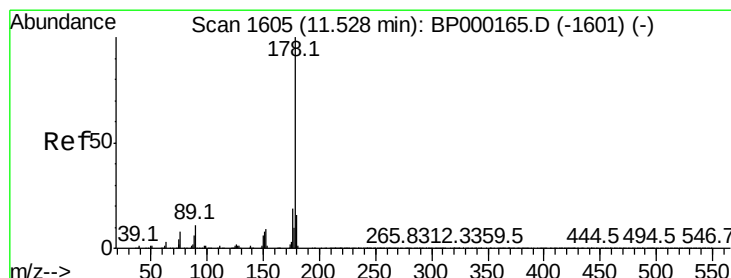
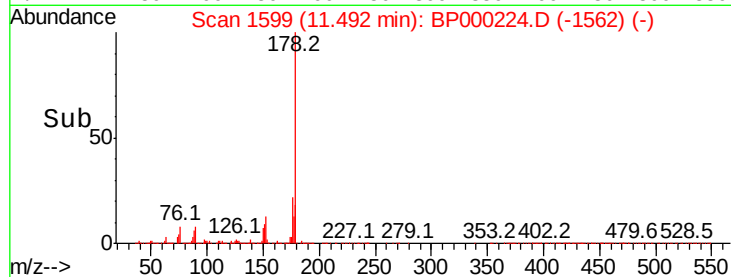
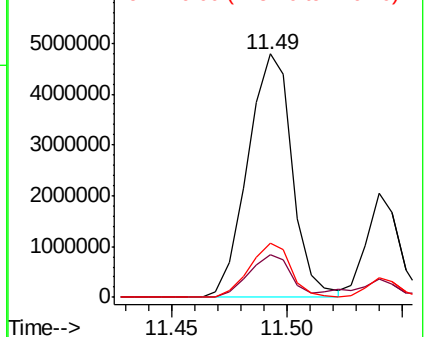


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 29.971 ng/ul

RT: 11.54 min Scan# 1607

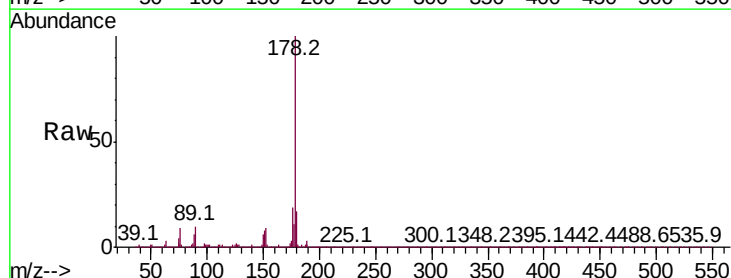
Delta R.T. 0.01 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

Tgt Ion:178 Resp: 2021188

Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.3	18.5
176	19.2	15.1	22.7

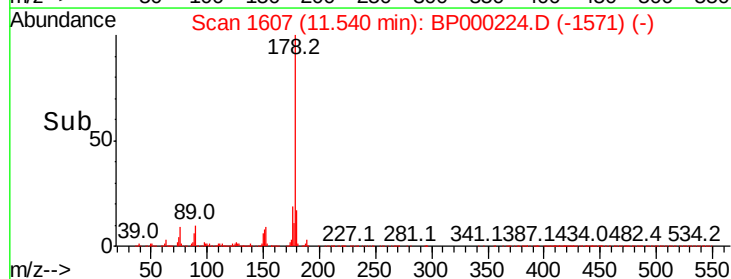
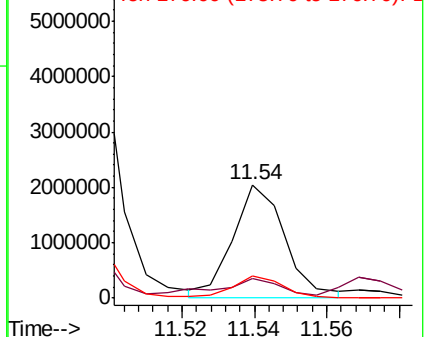


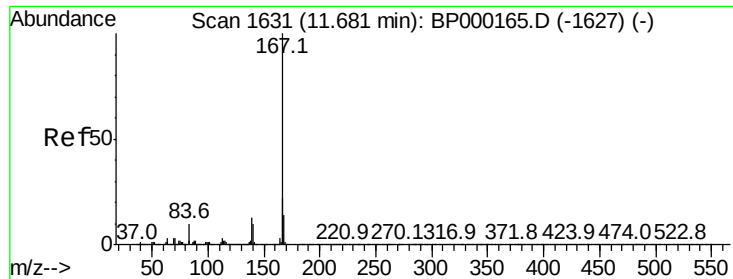
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 26.643 ng/ul

RT: 11.69 min Scan# 1633

Delta R.T. 0.01 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

Instrument :

BNA_P

ClientSampleId :

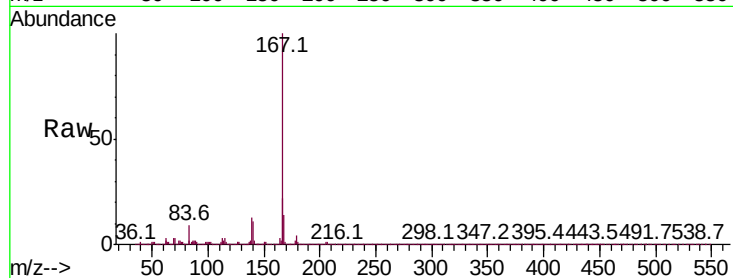
Tot Ion:167 Resp: 1536238

Ion Ratio Lower Upper

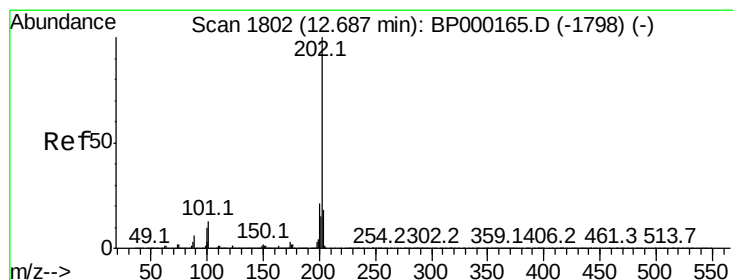
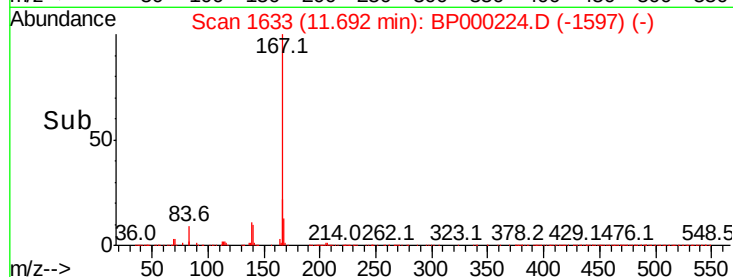
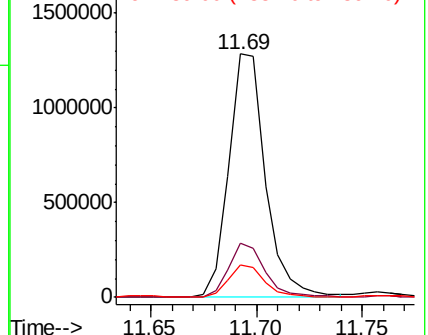
167 100

166 22.1 17.3 25.9

139 13.3 10.6 15.8



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 208.321 ng/ul

RT: 12.73 min Scan# 1810

Delta R.T. 0.05 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

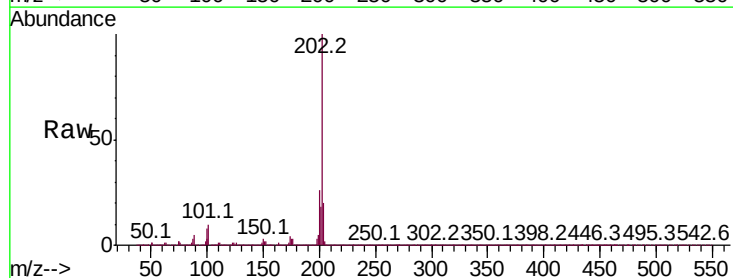
Tgt Ion:202 Resp:14400019

Ion Ratio Lower Upper

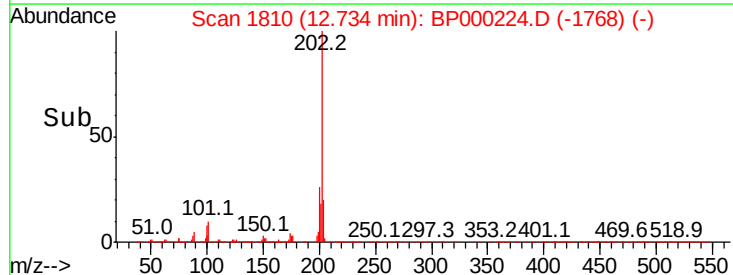
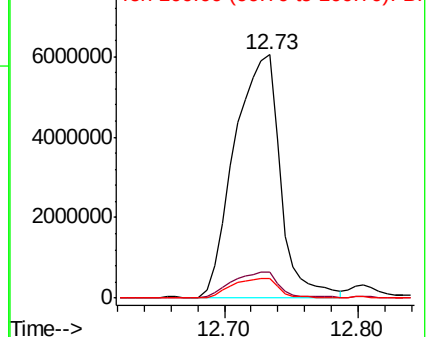
202 100

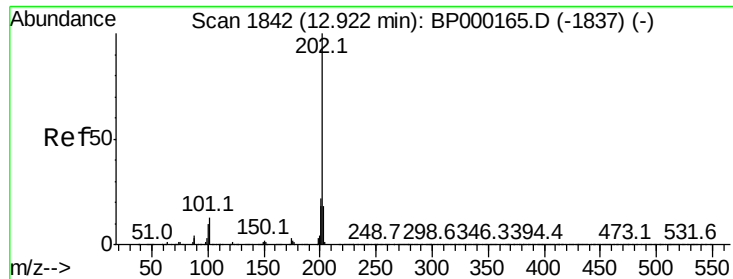
101 10.5 10.0 15.0

100 8.0 7.4 11.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): E

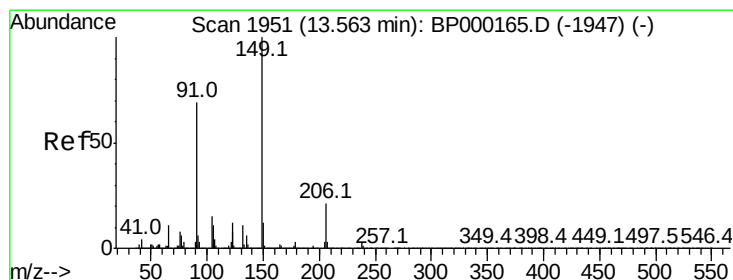
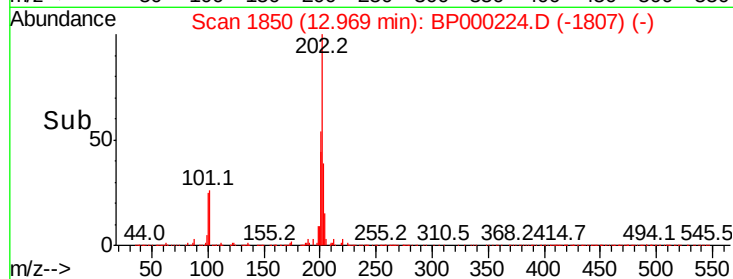
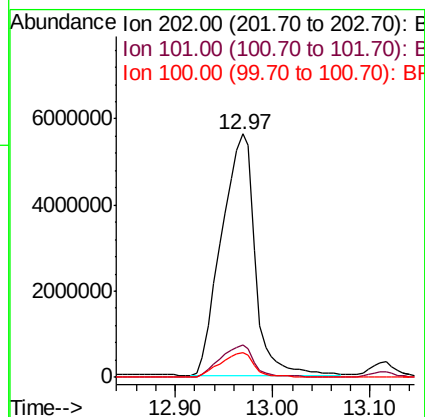
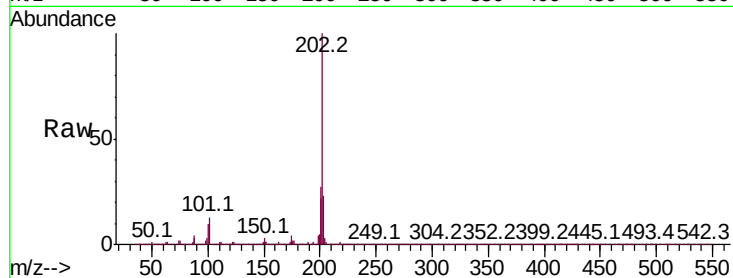




#80
Pvrene
Concen: 43128.943 ng/ul
RT: 12.97 min Scan# 1850
Delta R.T. 0.05 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

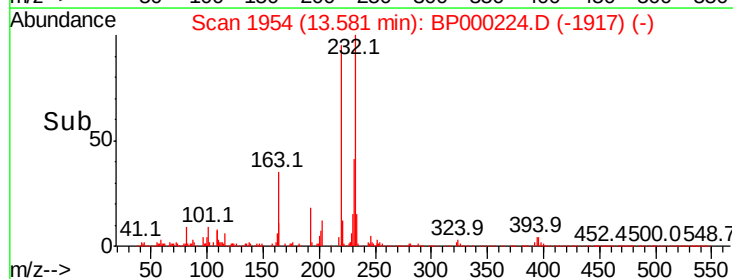
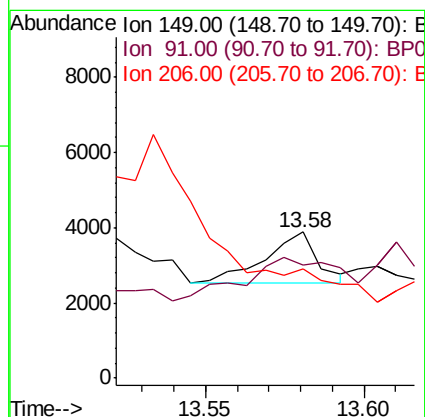
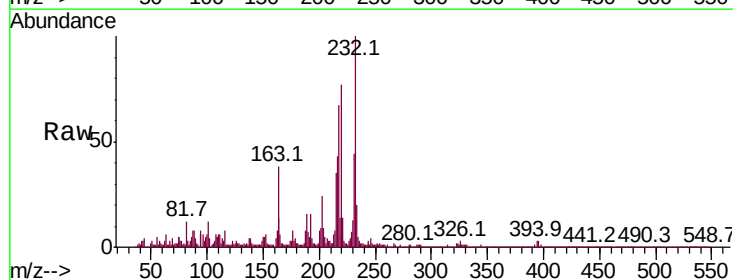
Instrument :
BNA_P
ClientSampleId :

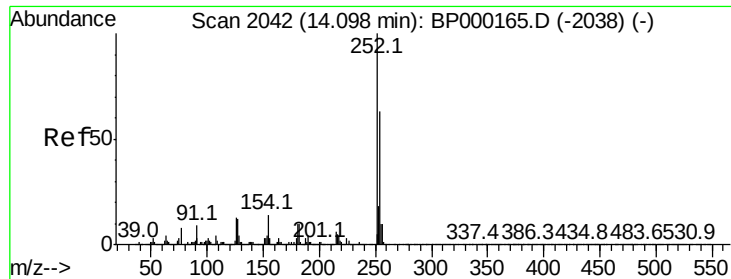
Tot Ion:202 Resp:13471127
Ion Ratio Lower Upper
202 100
101 13.1 13.4 20.0#
100 10.4 10.8 16.2#



#81
Butylbenzylphthalate
Concen: 12.581 ng/ul
RT: 13.58 min Scan# 1954
Delta R.T. 0.02 min
Lab File: BP000224.D
Acq: 12 Sep 2019 19:20

Tgt Ion:149 Resp: 1542
Ion Ratio Lower Upper
149 100
91 77.5 55.0 82.4
206 74.8 16.6 24.8#

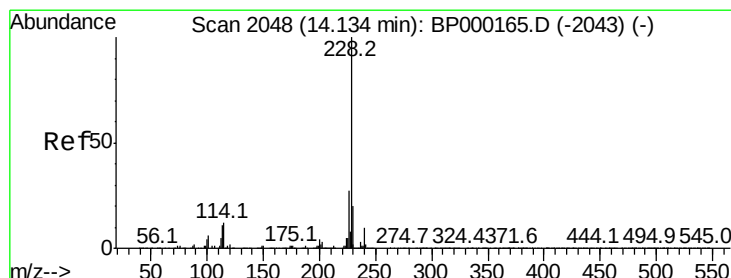
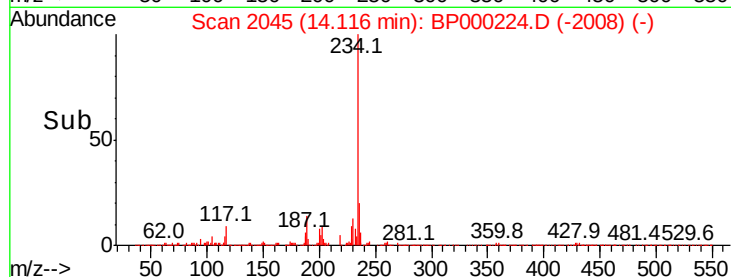
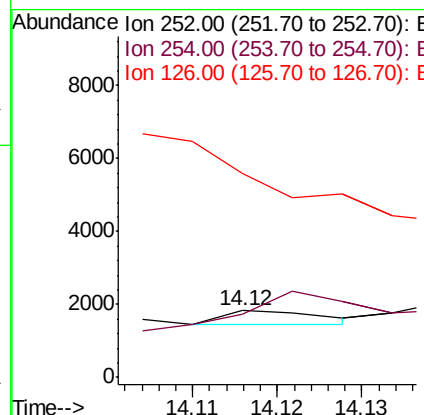
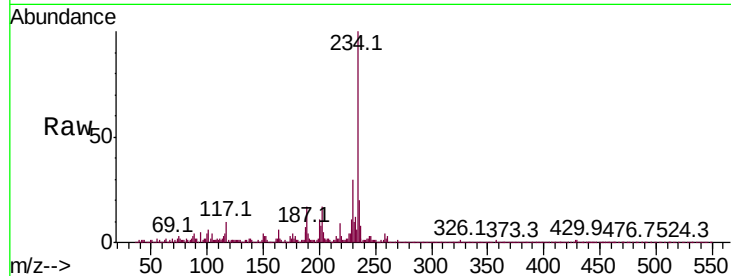




#82
 3,3'-Dichlorobenzidine
 Concen: 2.985 ng/ul
 RT: 14.12 min Scan# 2045
 Delta R.T. 0.02 min
 Lab File: BP000224.D
 Acq: 12 Sep 2019 19:20

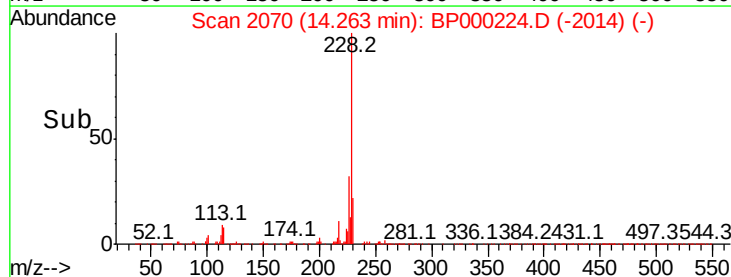
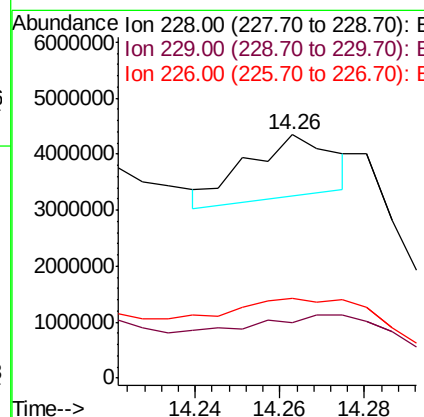
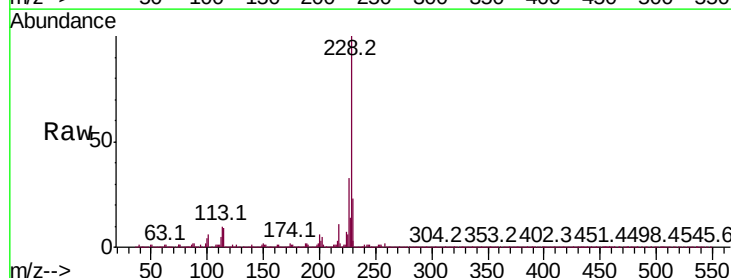
Instrument :
 BNA_P
 ClientSampleId :

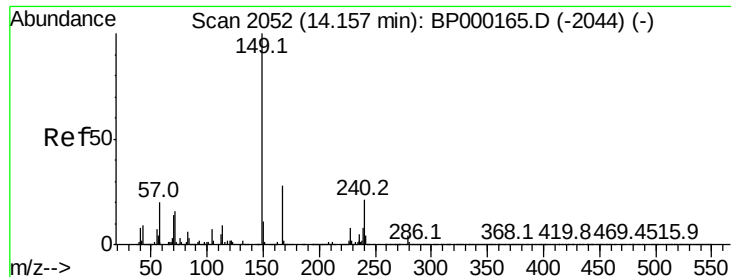
Tot Ion:252 Resp: 302
 Ion Ratio Lower Upper
 252 100
 254 95.2 51.4 77.2#
 126 306.0 8.7 13.1#



#83
 Benzo(a)anthracene
 Concen: 5312.781 ng/ul
 RT: 14.26 min Scan# 2070
 Delta R.T. 0.13 min
 Lab File: BP000224.D
 Acq: 12 Sep 2019 19:20

Tgt Ion:228 Resp: 1592148
 Ion Ratio Lower Upper
 228 100
 229 23.0 15.9 23.9
 226 32.8 22.1 33.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 175.651 ng/ul

RT: 14.19 min Scan# 2057

Delta R.T. 0.04 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

Instrument :

BNA_P

ClientSampleId :

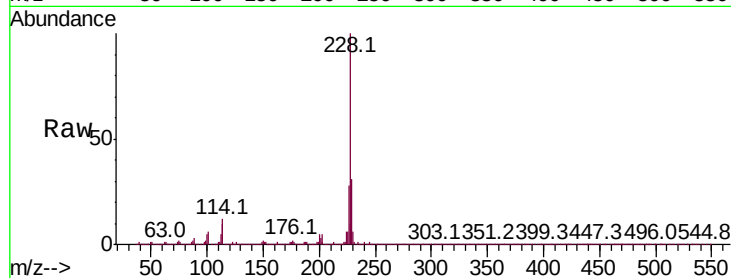
Tot Ion:149 Resp: 29896

Ion Ratio Lower Upper

149 100

167 13.7 21.8 32.8#

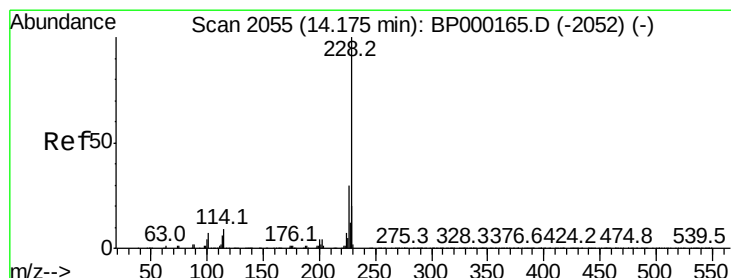
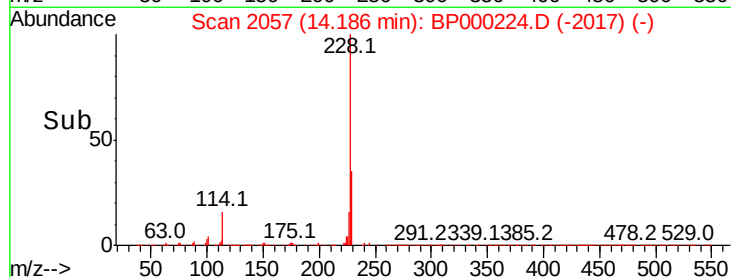
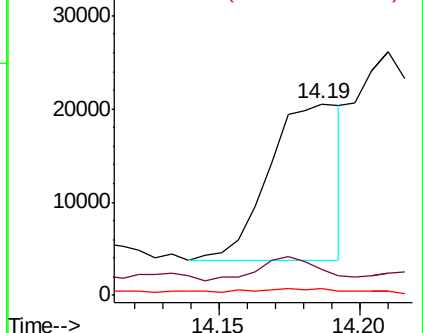
279 3.3 3.0 4.4



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



#85

Chrysene

Concen: 5789.649 ng/ul

RT: 14.26 min Scan# 2070

Delta R.T. 0.09 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

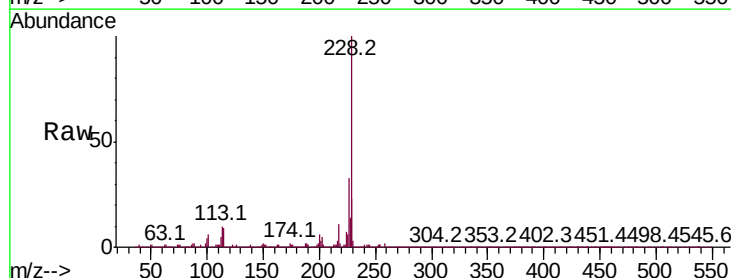
Tgt Ion:228 Resp: 1592148

Ion Ratio Lower Upper

228 100

226 32.8 24.4 36.6

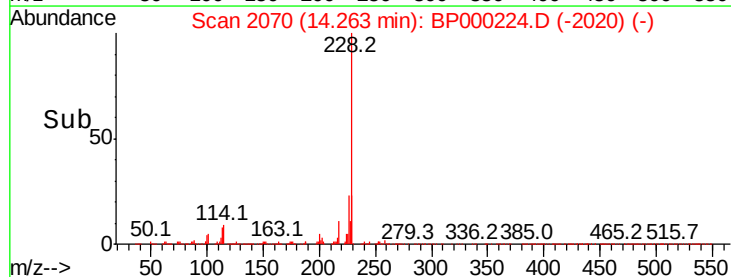
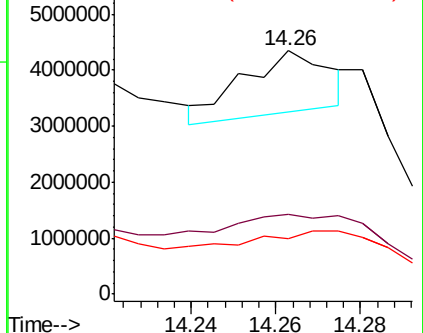
229 23.0 16.0 24.0

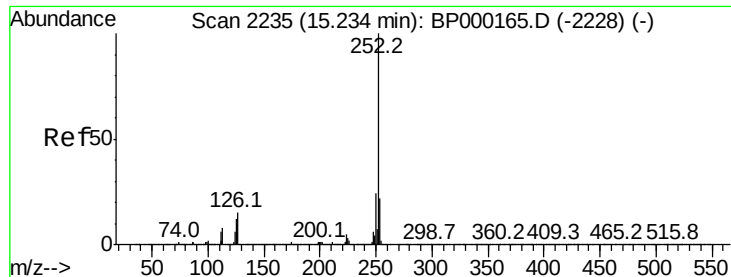


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 949.671 ng/ul

RT: 15.43 min Scan# 2269

Delta R.T. 0.21 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

Instrument :

BNA_P

ClientSampleId :

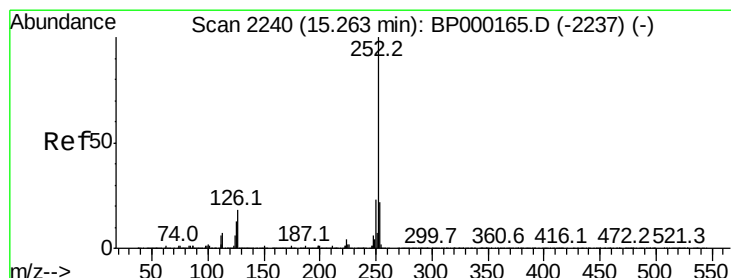
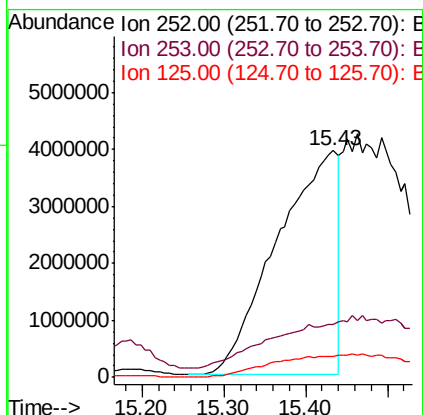
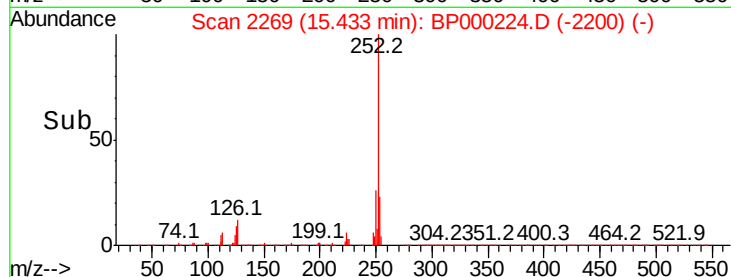
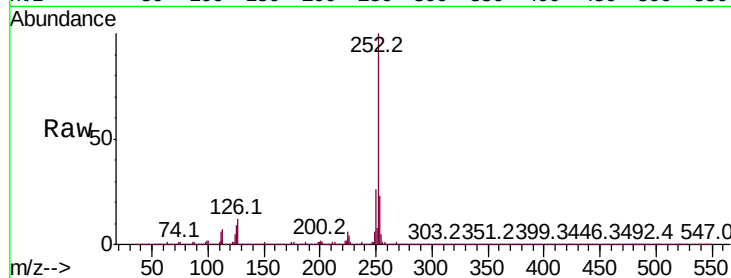
Tot Ion:252 Resp:20405683

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 9.5 9.9 14.9#



#89

Benzo(k)fluoranthene

Concen: 1007.456 ng/ul

RT: 15.43 min Scan# 2269

Delta R.T. 0.18 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

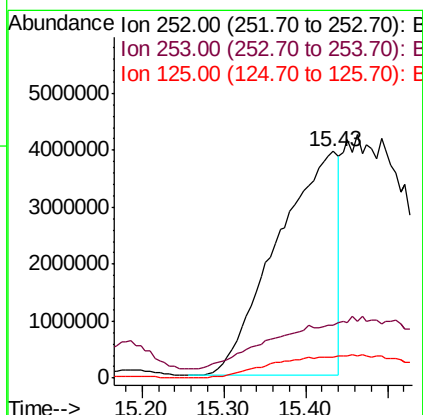
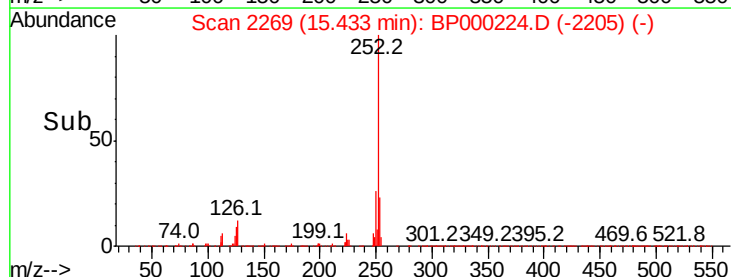
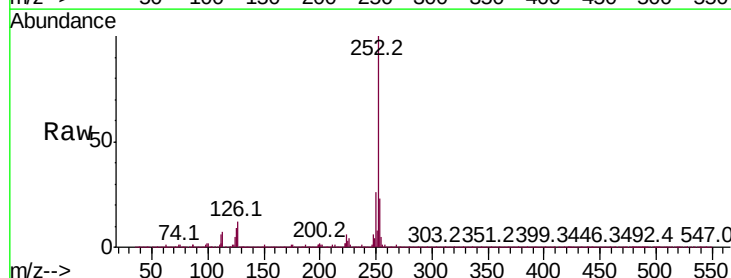
Tgt Ion:252 Resp:20405683

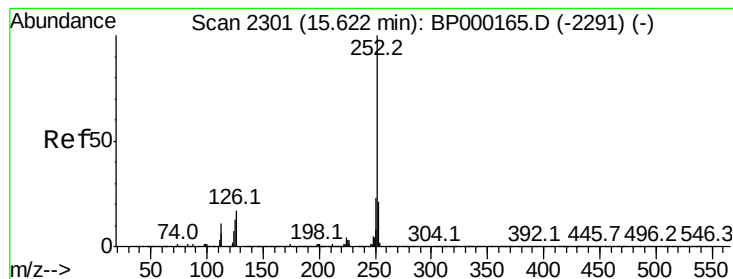
Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

125 9.5 10.2 15.2#





#91

Benzo(a)pyrene

Concen: 588.999 ng/ul

RT: 15.78 min Scan# 2328

Delta R.T. 0.16 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

Instrument :

BNA_P

ClientSampleId :

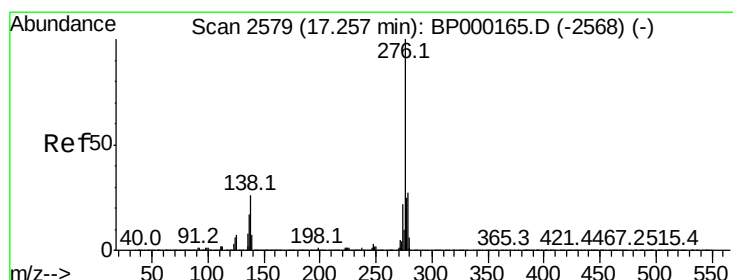
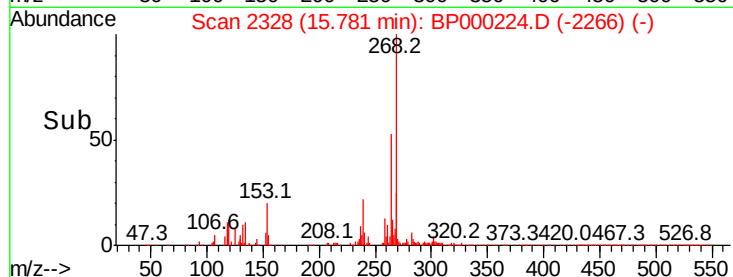
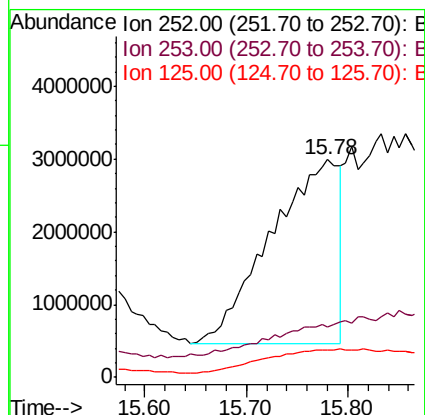
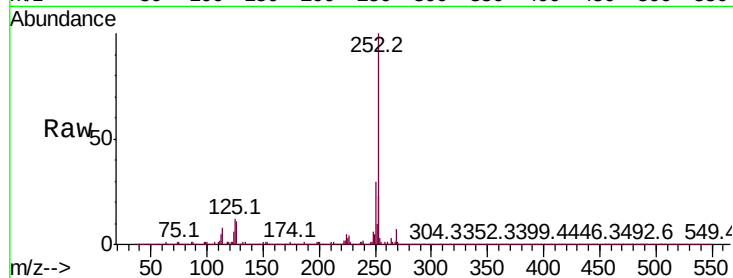
Tot Ion:252 Resp:11874307

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 12.4 10.2 15.2



#92

Indeno(1,2,3-cd)pyrene

Concen: 53.116 ng/ul

RT: 17.32 min Scan# 2590

Delta R.T. 0.07 min

Lab File: BP000224.D

Acq: 12 Sep 2019 19:20

Tgt Ion:276 Resp: 1231912

Ion Ratio Lower Upper

276 100

138 27.5 20.0 30.0

277 38.9 19.4 29.0#

