

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP121420\
 Data File : BP004312.D
 Acq On : 15 Dec 2020 19:42
 Operator : CG/JU
 Sample : L5001-10
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A54C8

Quant Time: Dec 16 00:27:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 15 09:00:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	198906	20.00	ng/ul	0.01
18) Naphthalene-d8	10.64	136	807339	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.49	164	490671	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.26	188	1039487	20.00	ng/ul	0.01
78) Chrysene-d12	21.35	240	990352	20.00	ng/ul	0.01
86) Perylene-d12	23.73	264	1159901	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	11152	1.97	ng/uL	0.00
5) Phenol-d5	7.01	99	346417	21.05	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.17	67	186627	18.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	275247	22.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	272601	21.93	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	140352	21.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	155833	28.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	296234	24.70	ng/ul	0.01
29) 4-Chloroaniline-d4	10.77	131	314644	21.17	ng/ul	0.01
44) Dimethylphthalate-d6	13.89	166	861137	22.96	ng/ul	0.00
47) Acenaphthylene-d8	14.19	160	1118033	23.36	ng/ul	0.01
52) 4-Nitrophenol-d4	14.69	143	129690	20.47	ng/ul	0.01
58) Fluorene-d10	15.49	176	751788	22.13	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.62	200	59270	11.88	ng/ul	0.01
71) Anthracene-d10	17.36	188	1187753	23.45	ng/ul	0.01
79) Pyrene-d10	19.60	212	1321149	25.61	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.57	264	1476873	24.17	ng/ul	0.03

Target Compounds

					Ovalue
6) Phenol	7.03	94	52907	3.080	ng/ul 100
28) Naphthalene	10.69	128	202586	4.426	ng/ul 99
34) 2-Methylnaphthalene	12.30	142	81071	2.633	ng/ul 99
35) 1-Methylnaphthalene	12.53	142	64455	1.803	ng/ul 98
45) Dimethylphthalate	13.94	163	129206	3.383	ng/ul 99
48) Acenaphthylene	14.21	152	74324	1.565	ng/ul# 97
50) Acenaphthene	14.56	153	375530	11.166	ng/ul 99
54) Dibenzofuran	14.89	168	289549	6.110	ng/ul 99
59) Fluorene	15.55	166	411225	10.850	ng/ul 100
69) Pentachlorophenol	16.91	266	14615	2.192	ng/ul 95
70) Phenanthrene	17.30	178	6537320	106.601	ng/ul 98
72) Anthracene	17.39	178	1168357	19.257	ng/ul 100
75) Carbazole	17.66	167	866569	17.551	ng/ul 100
77) Fluoranthene	19.27	202	9027276	137.860	ng/ul 98
80) Pyrene	19.63	202	7721060	115.577	ng/ul 97
83) Benzo(a)anthracene	21.34	228	4085598	62.586	ng/ul 97
84) Bis(2-ethylhexyl)phthalate	21.26	149	72552	2.430	ng/ul# 90
85) Chrysene	21.39	228	4047229	63.198	ng/ul 97
88) Benzo(b)fluoranthene	23.02	252	5174675	70.349	ng/ul 97
89) Benzo(k)fluoranthene	23.02	252	5174675	68.500	ng/ul 97
91) Benzo(a)pyrene	23.63	252	3703380	53.953	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	26.18	276	2650949	30.796	ng/ul 99
93) Dibenzo(a,h)anthracene	26.18	278	702450	9.736	ng/ul# 89

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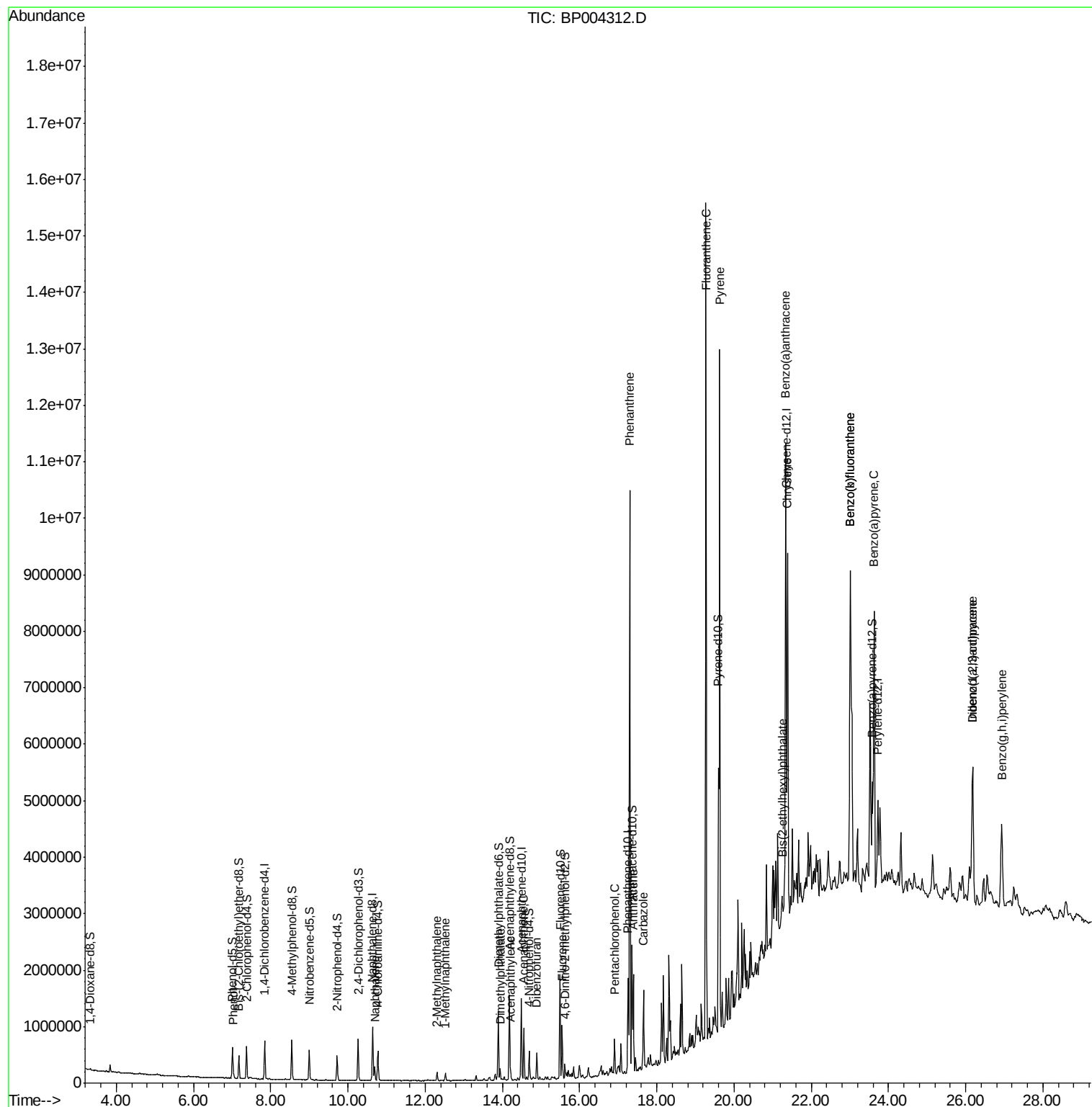
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(q,h,i)perylene	26.93	276	2093736	28.992	ng/ul	95

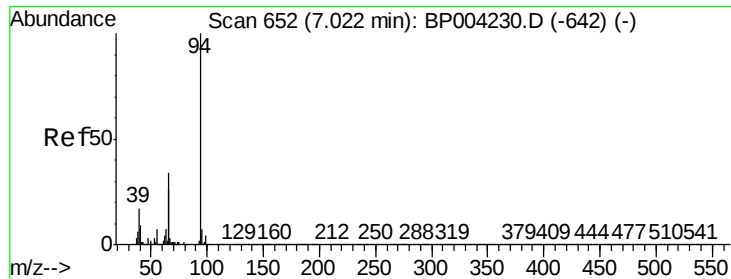
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_P
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 3.080 ng/ul

RT: 7.03 min Scan# 654

Delta R.T. 0.01 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

Instrument :

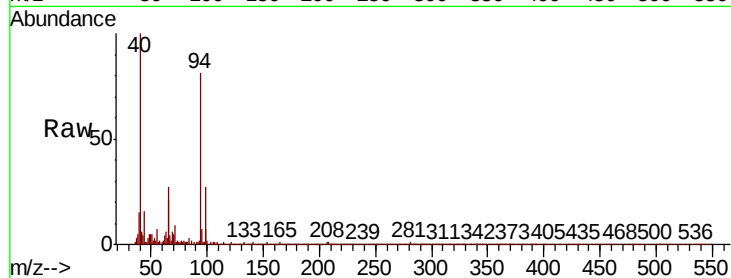
BNA_P

ClientSampleId :

A54C8

Tot Ion: 94 Resp: 52907

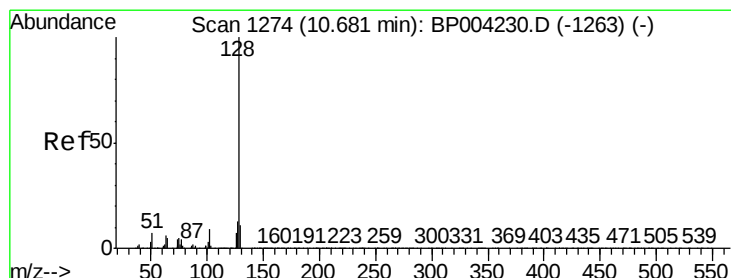
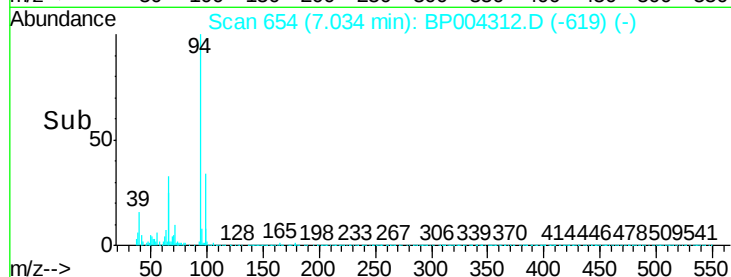
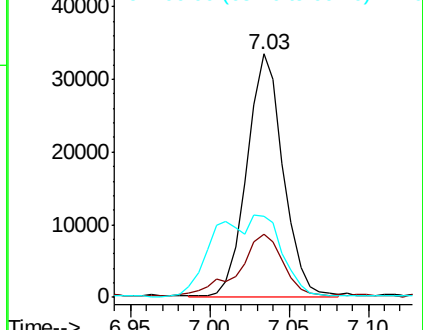
Ion	Ratio	Lower	Upper
94	100		
65	25.9	20.8	31.2
66	33.4	26.5	39.7



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



#28

Naphthalene

Concen: 4.426 ng/ul

RT: 10.69 min Scan# 1276

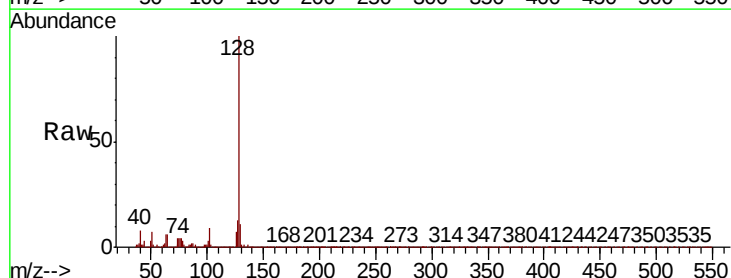
Delta R.T. 0.01 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

Tgt Ion: 128 Resp: 202586

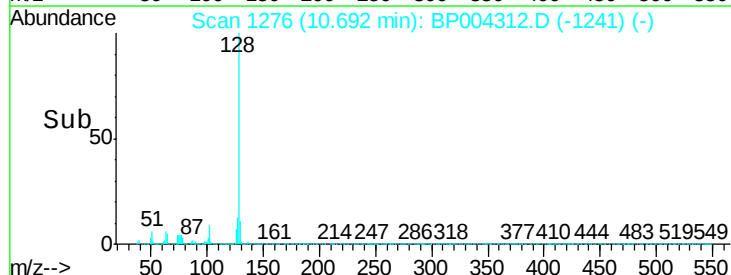
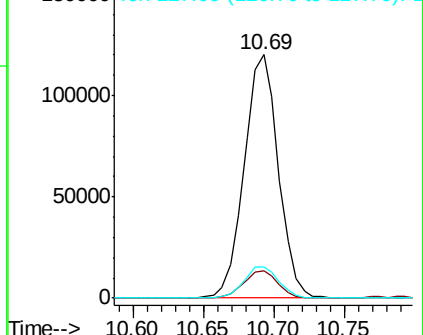
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	12.9	10.6	16.0

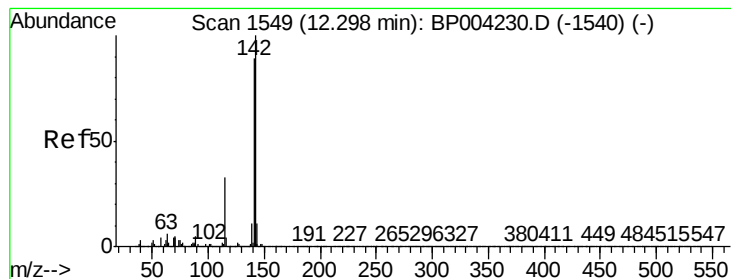


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#34

2-Methylnaphthalene

Concen: 2.633 ng/ul

RT: 12.30 min Scan# 1550

Delta R.T. 0.01 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

Instrument :

BNA_P

ClientSampled :

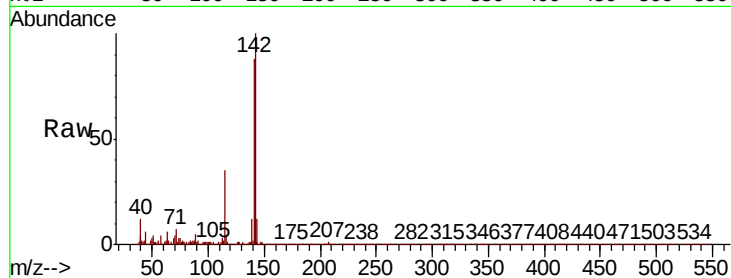
A54C8

Tot Ion:142 Resp: 81071

Ion Ratio Lower Upper

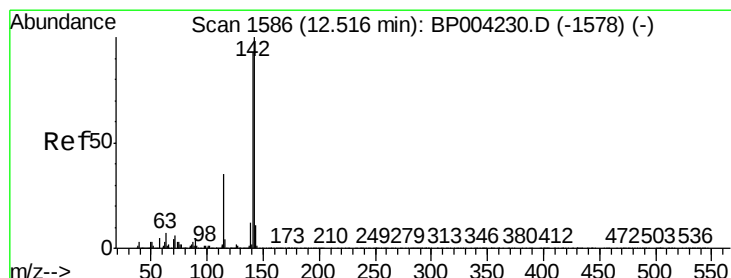
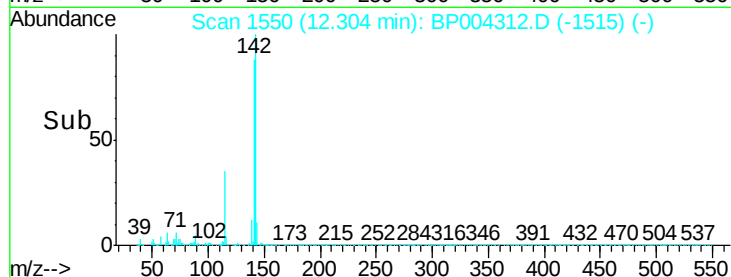
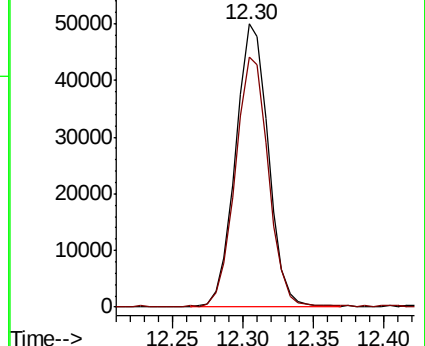
142 100

141 88.3 69.7 104.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 1.803 ng/ul

RT: 12.53 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

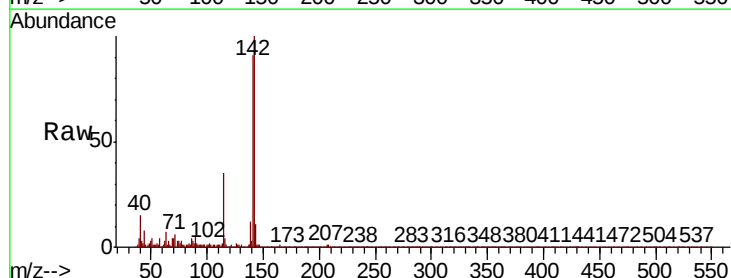
Tgt Ion:142 Resp: 64455

Ion Ratio Lower Upper

142 100

141 90.5 73.8 110.8

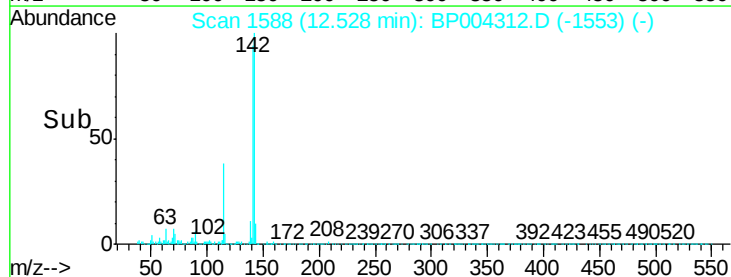
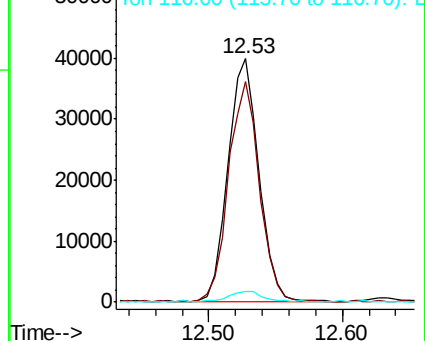
116 4.2 2.8 4.2

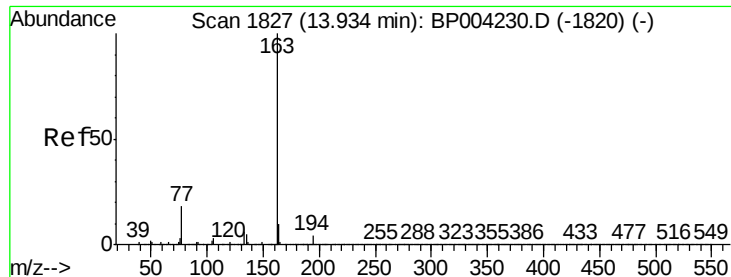


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#45

Dimethylphthalate

Concen: 3.383 ng/ul

RT: 13.94 min Scan# 1828

Delta R.T. -0.00 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

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A54C8

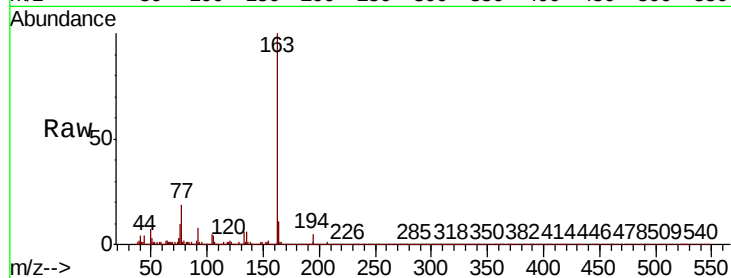
Tot Ion:163 Resp: 129206

Ion Ratio Lower Upper

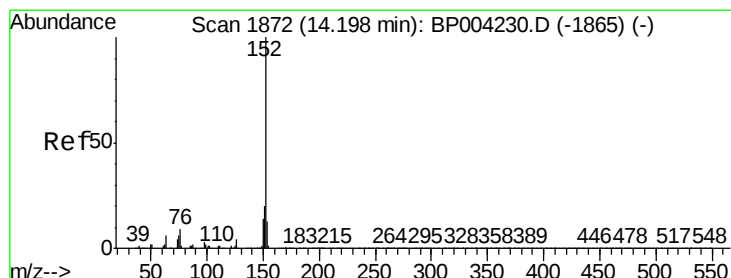
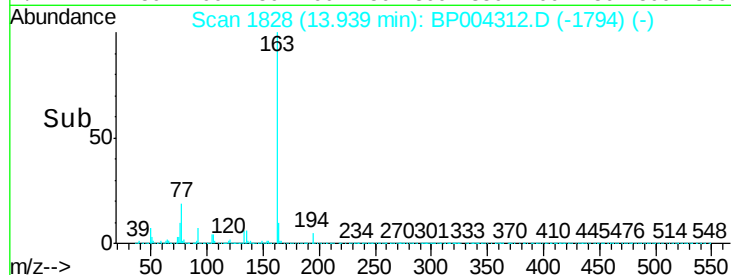
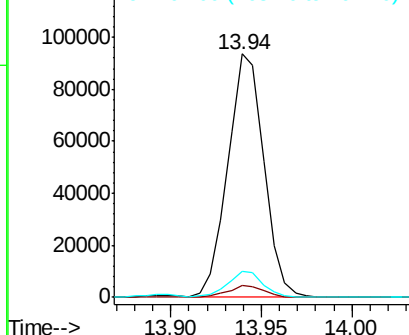
163 100

194 5.0 3.4 5.2

164 10.5 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



#48

Acenaphthylene

Concen: 1.565 ng/ul

RT: 14.21 min Scan# 1874

Delta R.T. 0.01 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

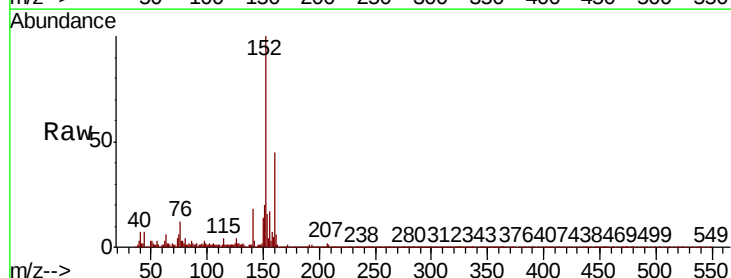
Tgt Ion:152 Resp: 74324

Ion Ratio Lower Upper

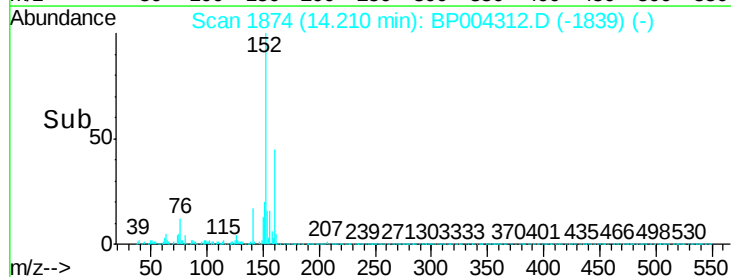
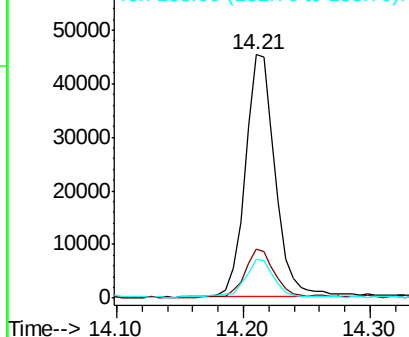
152 100

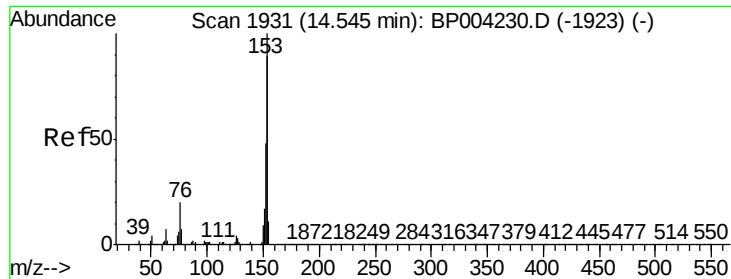
151 20.2 15.8 23.8

153 16.0 10.6 16.0#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 11.166 ng/ul

RT: 14.56 min Scan# 1933

Delta R.T. 0.01 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

Instrument :

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ClientSampleId :

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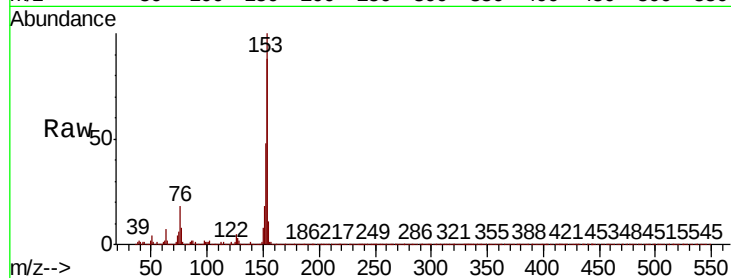
Tot Ion:153 Resp: 375530

Ion Ratio Lower Upper

153 100

152 48.0 37.8 56.6

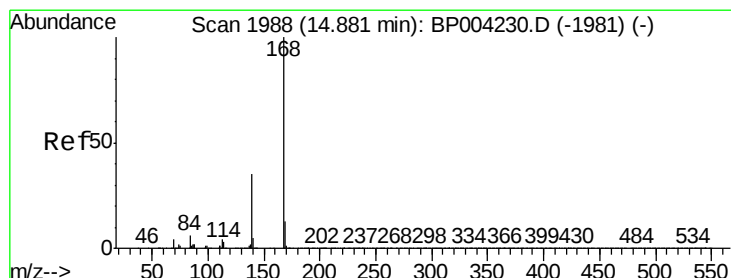
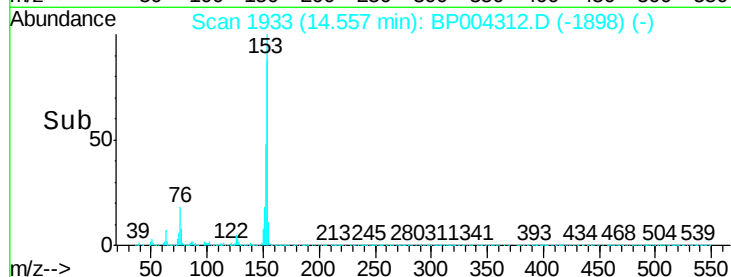
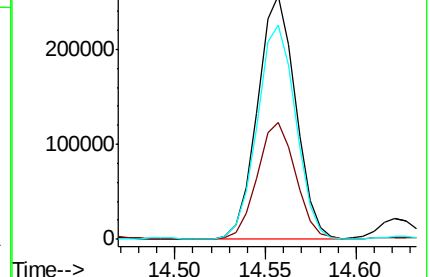
154 88.1 69.8 104.8



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: 6.110 ng/ul

RT: 14.89 min Scan# 1990

Delta R.T. 0.01 min

Lab File: BP004312.D

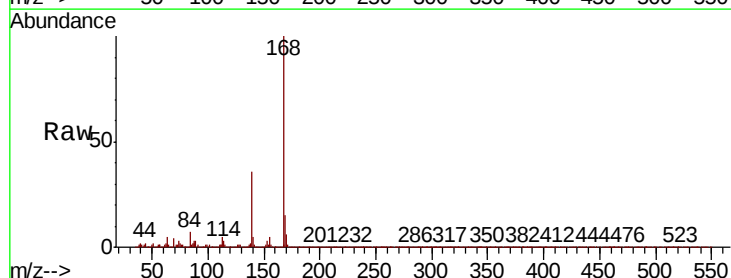
Acq: 15 Dec 2020 19:42

Tgt Ion:168 Resp: 289549

Ion Ratio Lower Upper

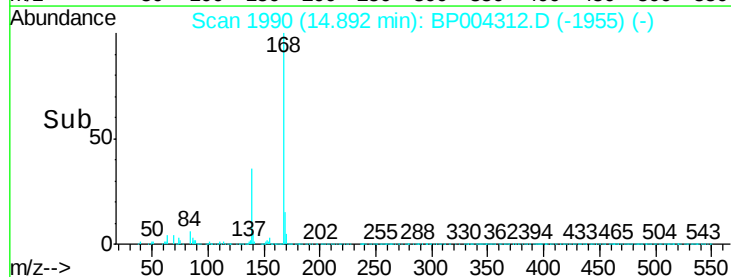
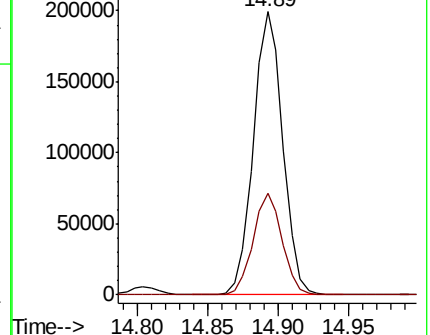
168 100

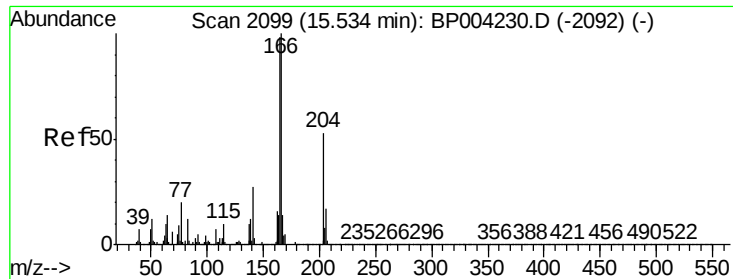
139 35.9 29.0 43.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 10.850 ng/ul

RT: 15.55 min Scan# 2101

Delta R.T. 0.01 min

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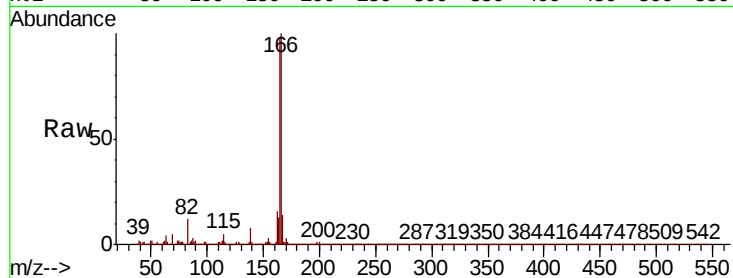
Tot Ion:166 Resp: 411225

Ion Ratio Lower Upper

166 100

165 97.8 78.2 117.2

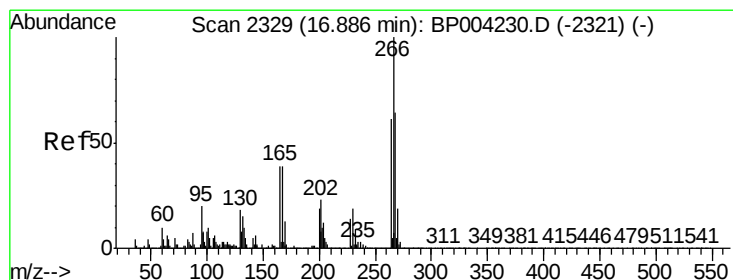
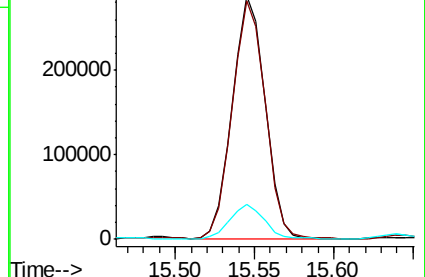
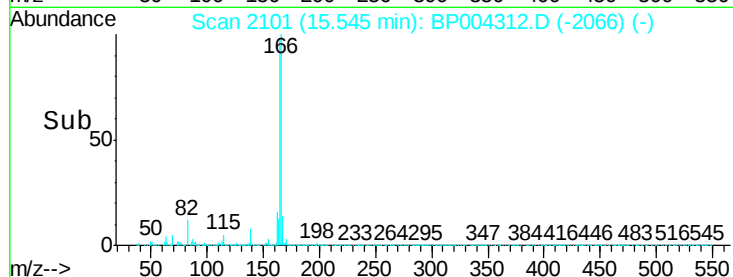
167 14.3 10.8 16.2



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



#69

Pentachlorophenol

Concen: 2.192 ng/ul

RT: 16.91 min Scan# 2333

Delta R.T. 0.02 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

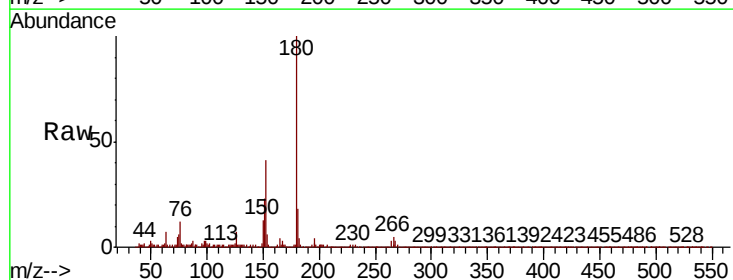
Tgt Ion:266 Resp: 14615

Ion Ratio Lower Upper

266 100

264 68.8 49.8 74.6

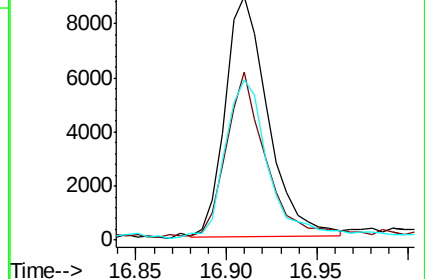
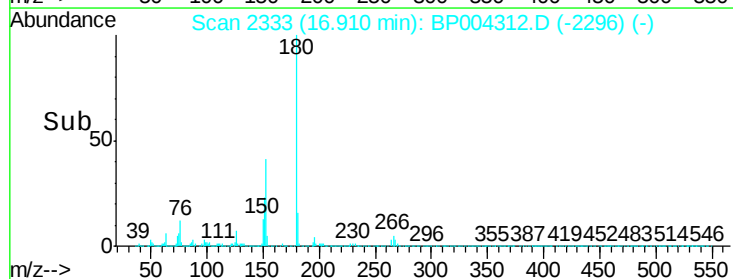
268 65.7 52.0 78.0

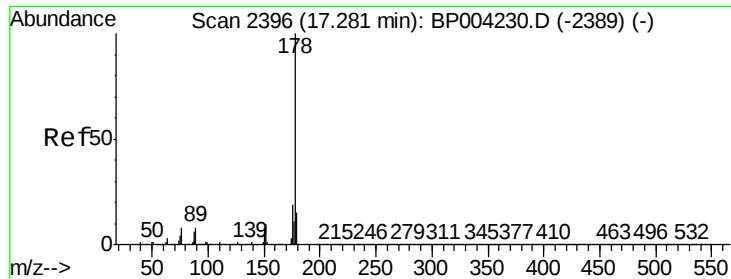


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 106.601 ng/ul

RT: 17.30 min Scan# 2399

Delta R.T. 0.01 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

Instrument :

BNA_P

ClientSampled :

A54C8

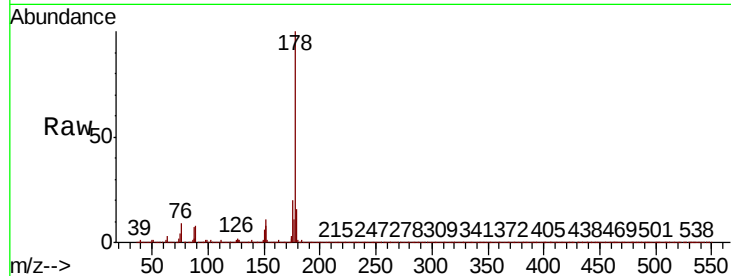
Tot Ion:178 Resp: 6537320

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.4	18.6
176	20.1	15.4	23.0

178 100

179 16.2 12.4 18.6

176 20.1 15.4 23.0

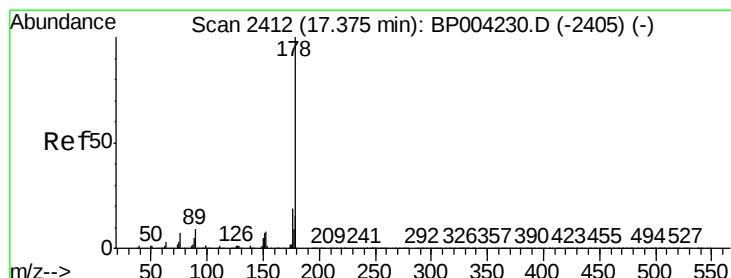
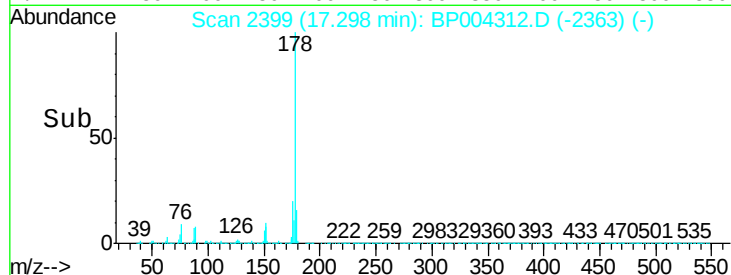
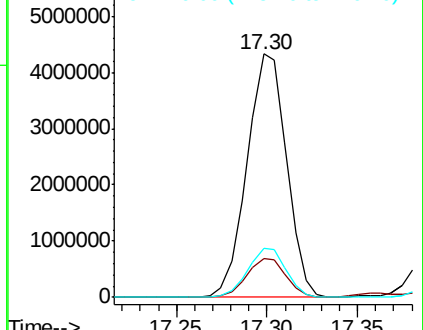


Abundance

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: 19.257 ng/ul

RT: 17.39 min Scan# 2415

Delta R.T. 0.01 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

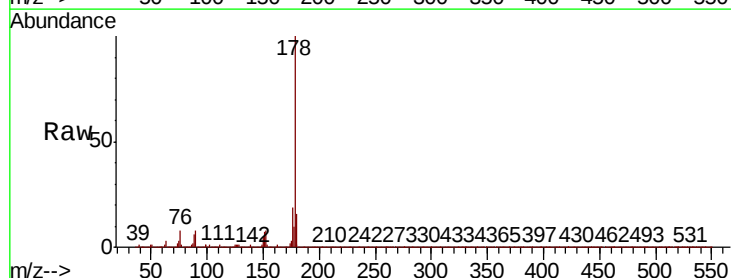
Tgt Ion:178 Resp: 1168357

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	18.5	14.9	22.3

178 100

179 15.6 12.3 18.5

176 18.5 14.9 22.3

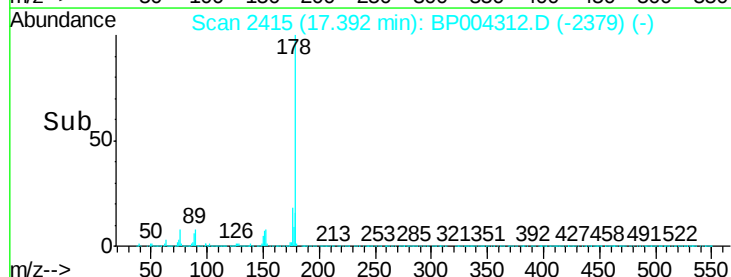
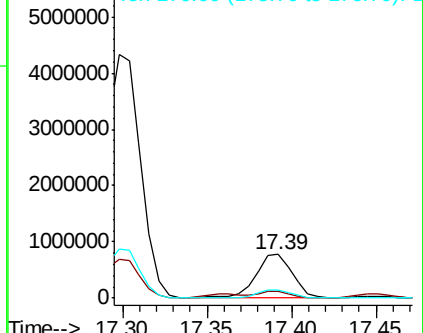


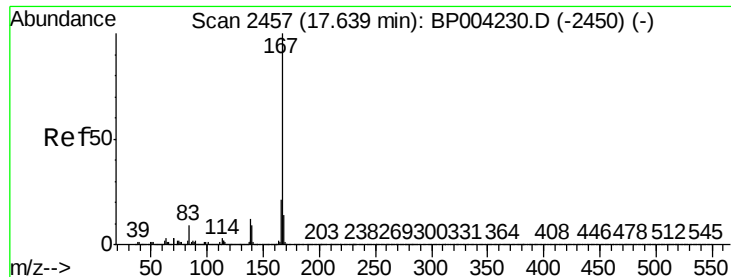
Abundance

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: 17.551 ng/ul

RT: 17.66 min Scan# 2460

Delta R.T. 0.01 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

Instrument :

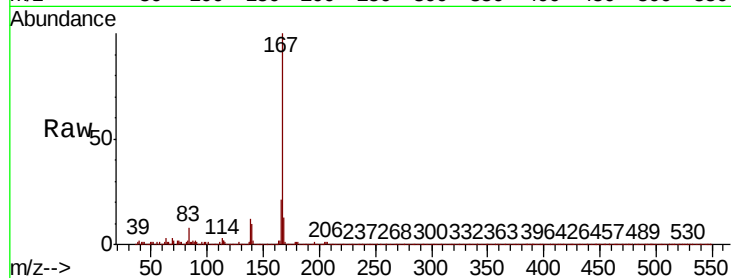
BNA_P

ClientSampleId :

A54C8

Tot Ion:167 Resp: 866569

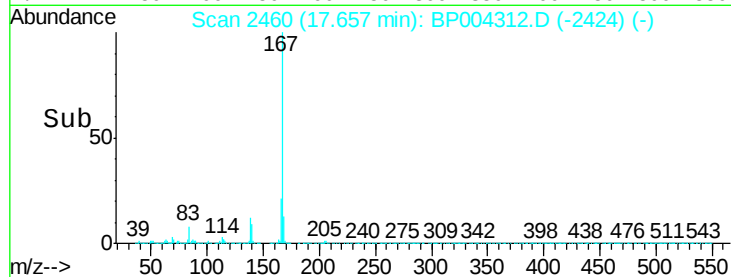
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.1	25.7
139	12.4	9.8	14.6



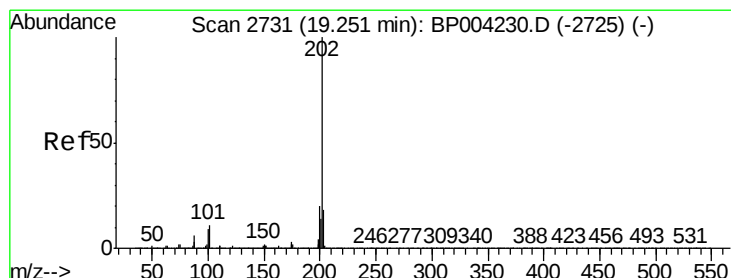
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#77

Fluoranthene

Concen: 137.860 ng/ul

RT: 19.27 min Scan# 2735

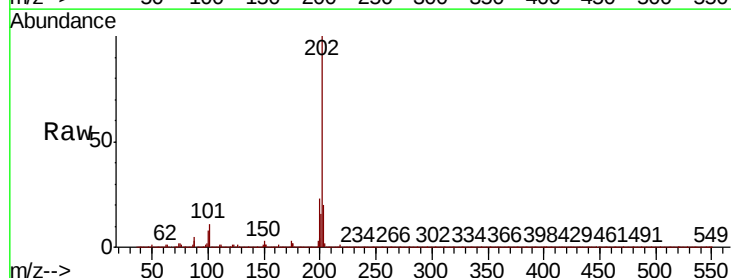
Delta R.T. 0.02 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

Tgt Ion:202 Resp: 9027276

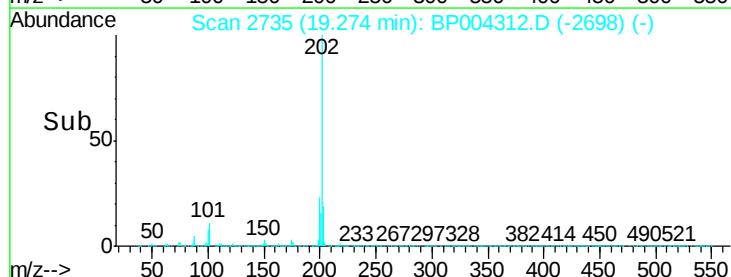
Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.1	13.7
100	8.1	7.1	10.7



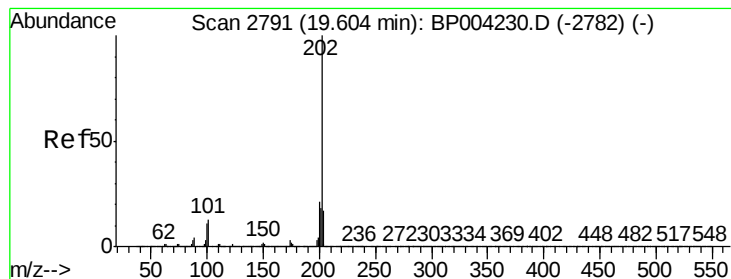
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



Time-->



#80

Pvrene

Concen: 115.577 ng/ul

RT: 19.63 min Scan# 2795

Delta R.T. 0.01 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

Instrument :

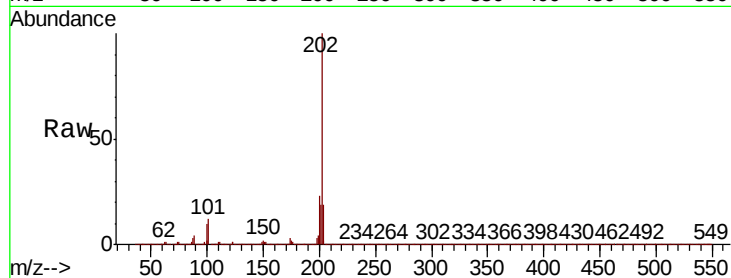
BNA_P

ClientSampleId :

A54C8

Tot Ion:202 Resp: 7721060

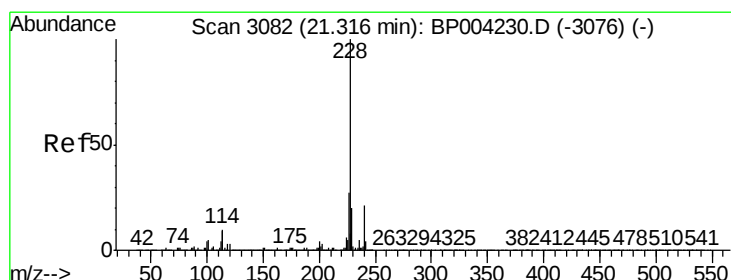
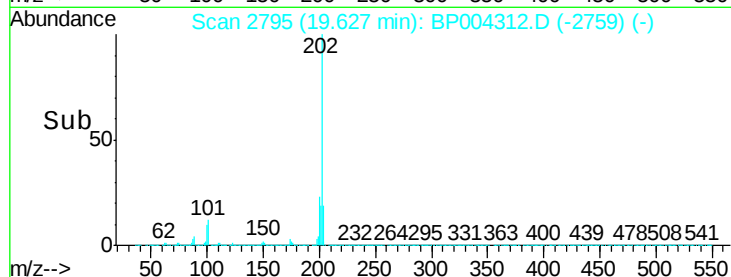
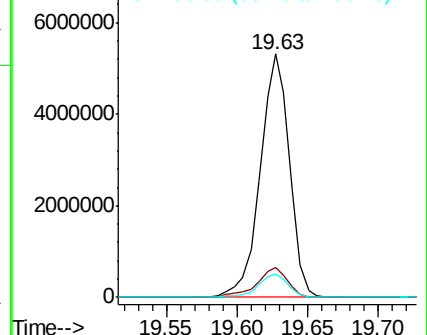
Ion	Ratio	Lower	Upper
202	100		
101	12.1	10.6	15.8
100	9.6	8.6	12.8



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): B



#83

Benzo(a)anthracene

Concen: 62.586 ng/ul

RT: 21.34 min Scan# 3086

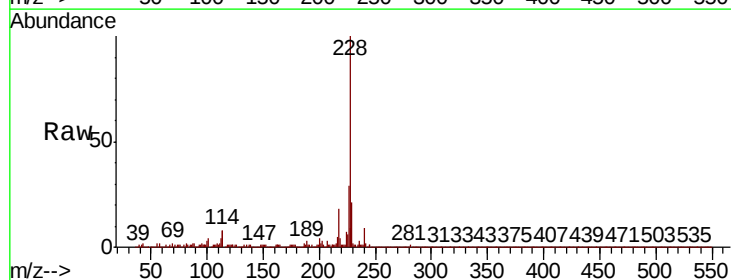
Delta R.T. 0.02 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

Tgt Ion:228 Resp: 4085598

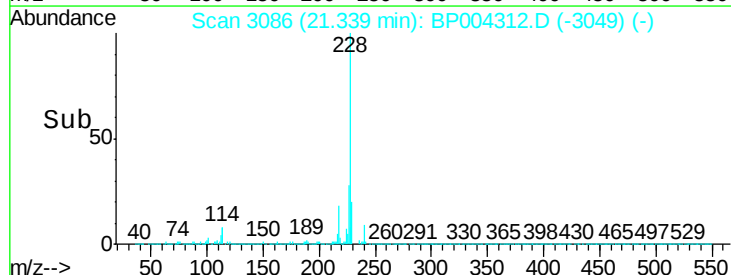
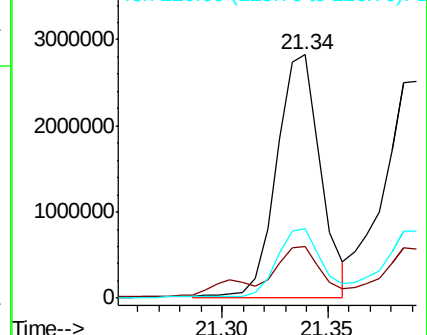
Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.8	23.8
226	28.6	21.7	32.5

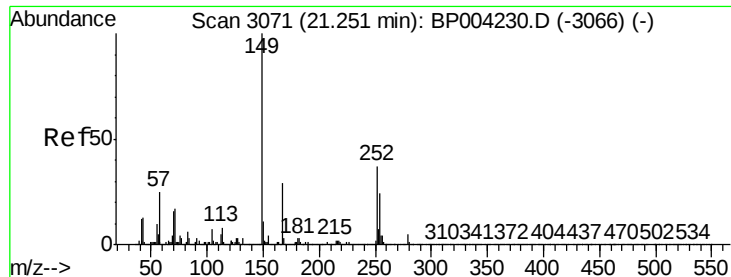


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

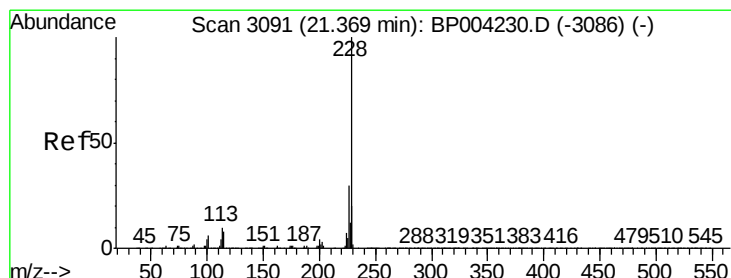
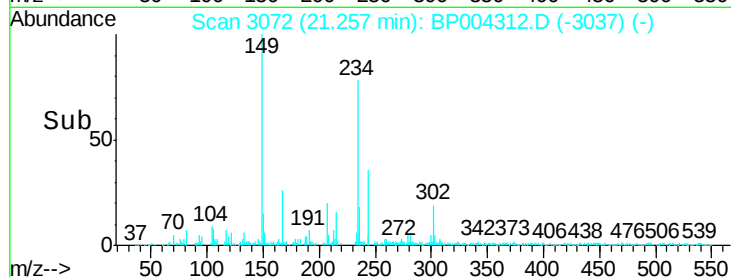
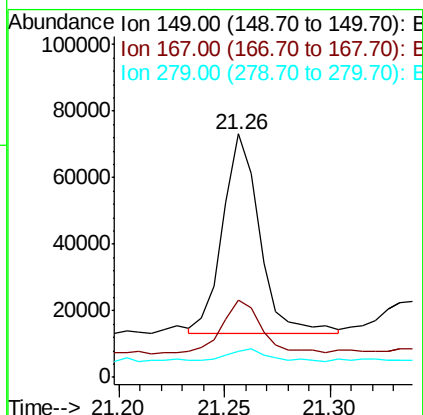
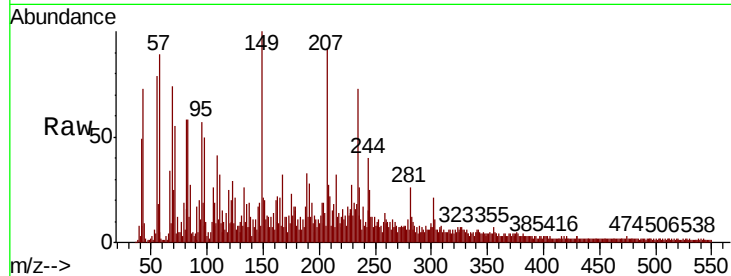




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.430 ng/ul
 RT: 21.26 min Scan# 3072
 Delta R.T. 0.01 min
 Lab File: BP004312.D
 Acq: 15 Dec 2020 19:42

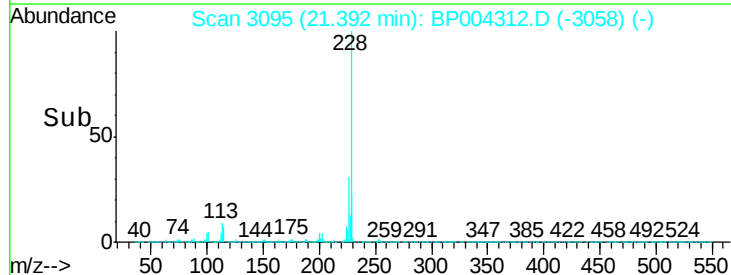
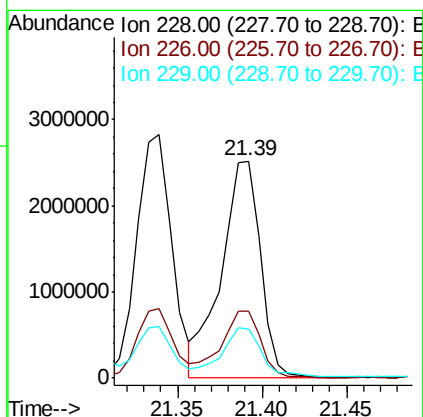
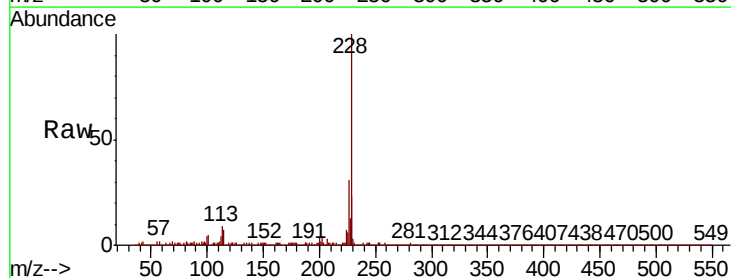
Instrument :
 BNA_P
 ClientSampled :
 A54C8

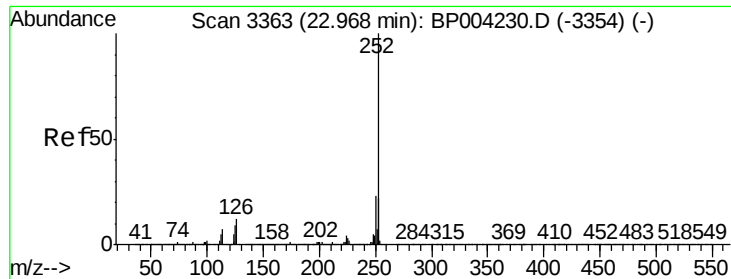
Tot Ion:149 Resp: 72552
 Ion Ratio Lower Upper
 149 100
 167 31.9 22.2 33.4
 279 10.9 3.6 5.4#



#85
 Chrysene
 Concen: 63.198 ng/ul
 RT: 21.39 min Scan# 3095
 Delta R.T. 0.02 min
 Lab File: BP004312.D
 Acq: 15 Dec 2020 19:42

Tgt Ion:228 Resp: 4047229
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.2 36.2
 229 22.8 15.8 23.8

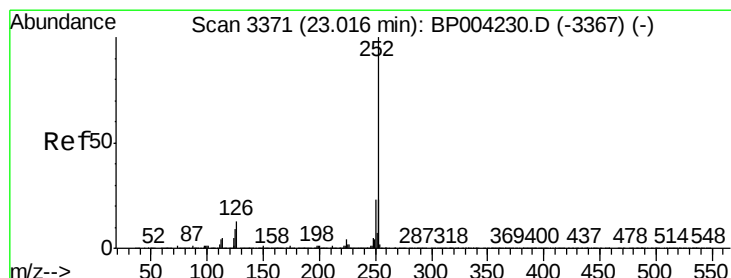
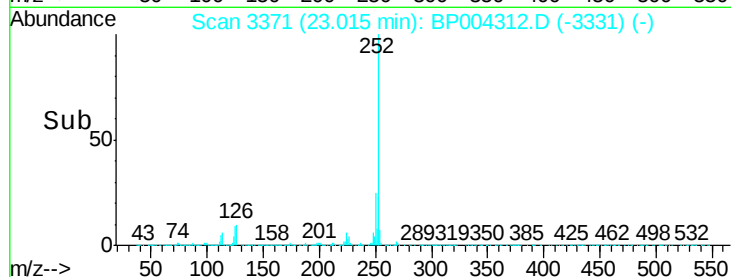
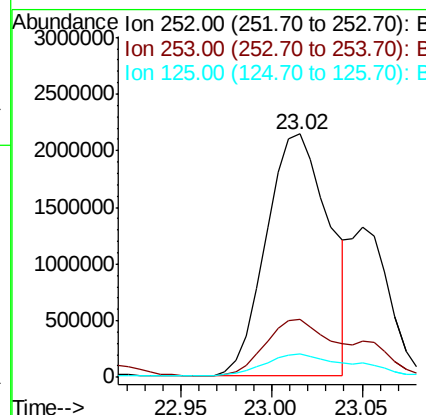
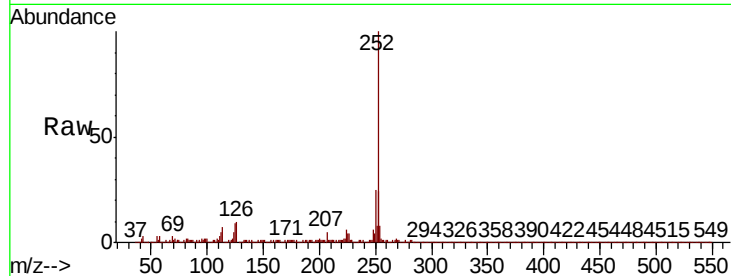




#88
Benzo(b)fluoranthene
Concen: 70.349 ng/ul
RT: 23.02 min Scan# 3371
Delta R.T. 0.04 min
Lab File: BP004312.D
Acq: 15 Dec 2020 19:42

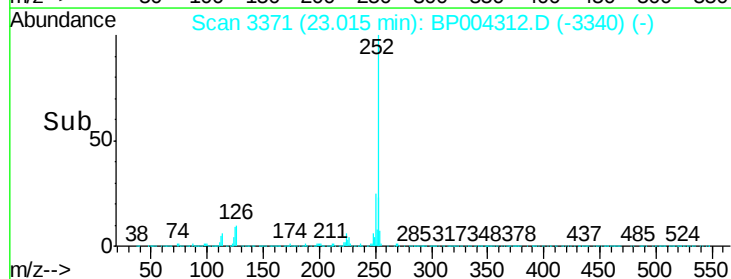
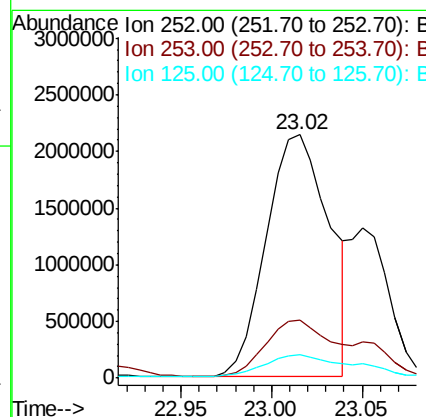
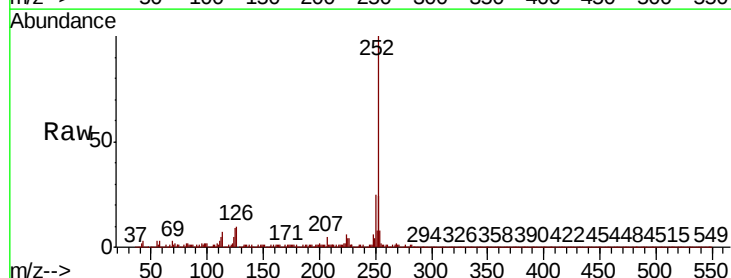
Instrument :
BNA_P
ClientSampled :
A54C8

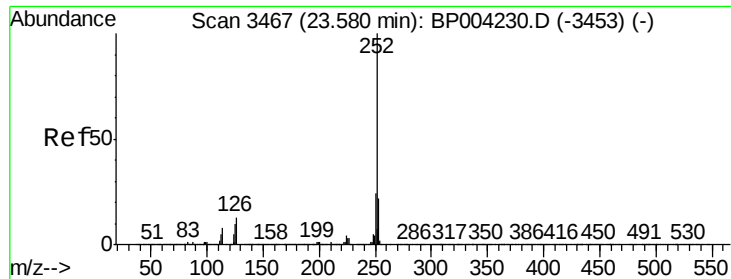
Tot Ion:252 Resp: 5174675
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 9.4 7.7 11.5



#89
Benzo(k)fluoranthene
Concen: 68.500 ng/ul
RT: 23.02 min Scan# 3371
Delta R.T. -0.02 min
Lab File: BP004312.D
Acq: 15 Dec 2020 19:42

Tgt Ion:252 Resp: 5174675
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 9.4 7.3 10.9





#91

Benzo(a)pyrene

Concen: 53.953 ng/ul

RT: 23.63 min Scan# 3475

Delta R.T. 0.03 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

Instrument :

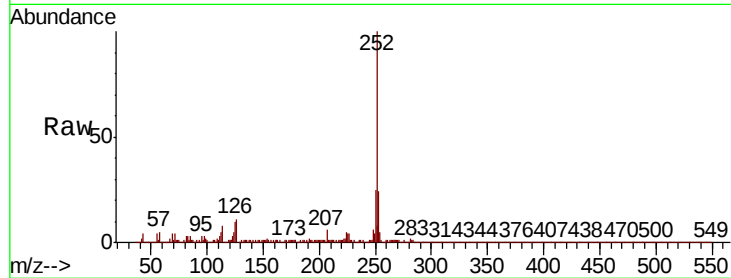
BNA_P

ClientSampleId :

A54C8

Tot Ion:252 Resp: 3703380

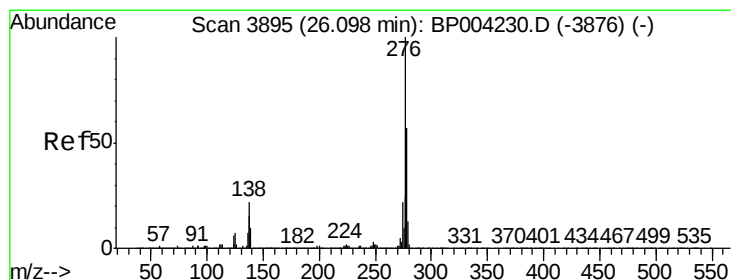
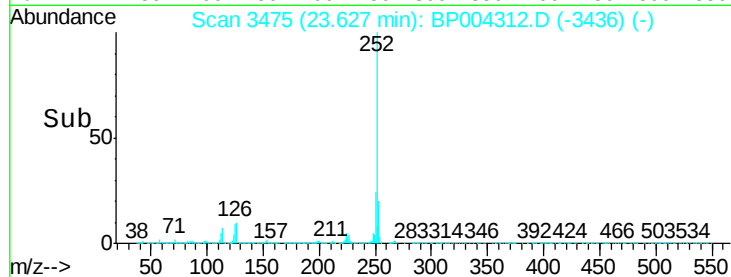
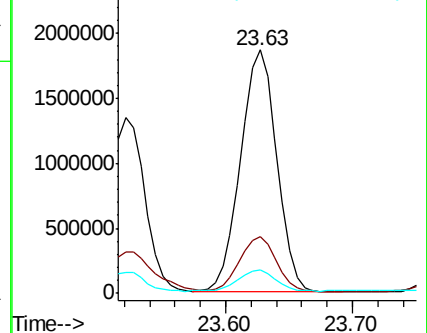
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	9.6	7.8	11.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Indeno(1,2,3-cd)pyrene

Concen: 30.796 ng/ul

RT: 26.18 min Scan# 3909

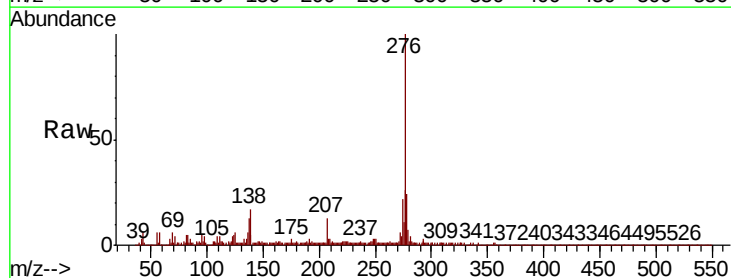
Delta R.T. 0.04 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

Tgt Ion:276 Resp: 2650949

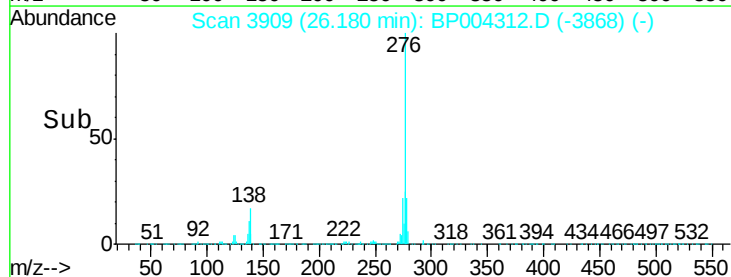
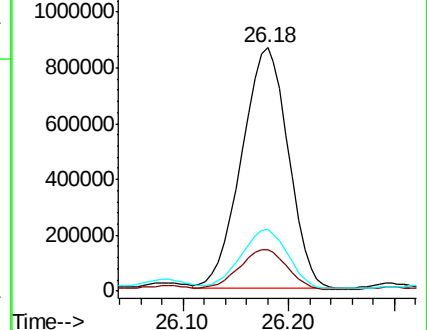
Ion	Ratio	Lower	Upper
276	100		
138	22.0	17.8	26.6
277	25.5	19.8	29.6

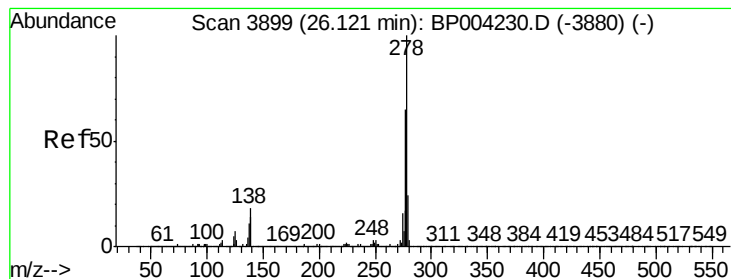


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 9.736 ng/ul

RT: 26.18 min Scan# 3909

Delta R.T. 0.04 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

Instrument :

BNA_P

ClientSampleId :

A54C8

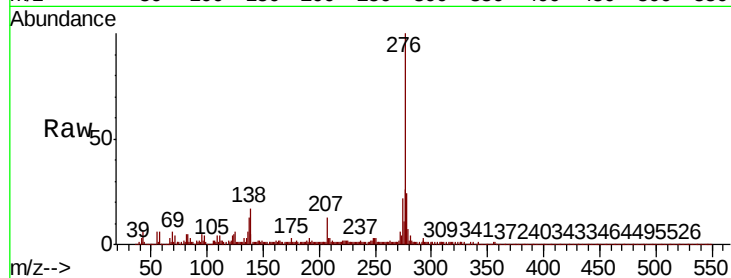
Tot Ion:278 Resp: 702450

Ion Ratio Lower Upper

278 100

139 19.6 11.9 17.9#

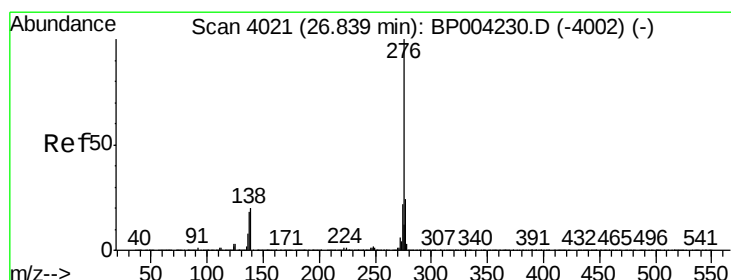
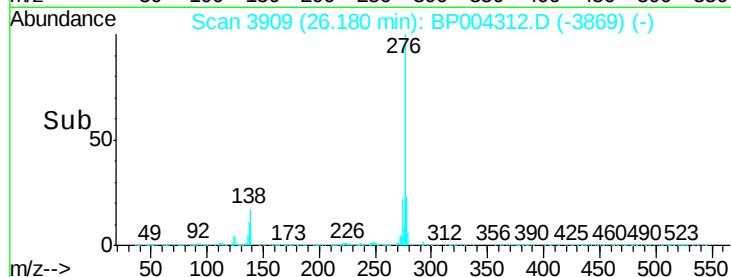
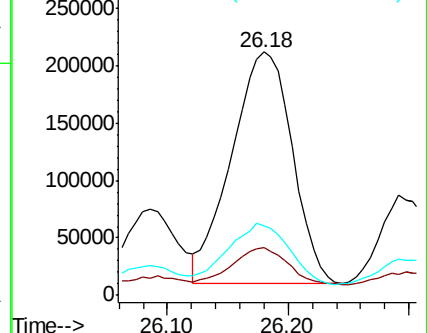
279 28.3 18.6 28.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene

Concen: 28.992 ng/ul

RT: 26.93 min Scan# 4037

Delta R.T. 0.05 min

Lab File: BP004312.D

Acq: 15 Dec 2020 19:42

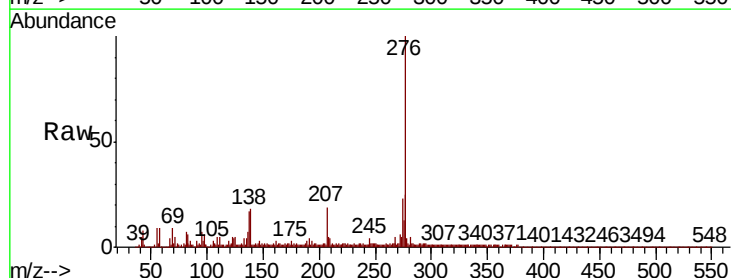
Tgt Ion:276 Resp: 2093736

Ion Ratio Lower Upper

276 100

138 17.9 16.6 25.0

277 25.1 18.5 27.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

