

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP121420\
 Data File : BP004281.D
 Acq On : 14 Dec 2020 19:10
 Operator : CG/JU
 Sample : L5001-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A54C4

Quant Time: Dec 15 00:01:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 10 13:52:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	438463	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1862473	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.49	164	1165761	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.25	188	2517193	20.00	ng/ul	0.02
78) Chrysene-d12	21.35	240	2386753	20.00	ng/ul	0.02
86) Perylene-d12	23.71	264	2704837	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	22166	1.78	ng/uL	0.00
5) Phenol-d5	7.00	99	433239	11.94	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.17	67	255357	11.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	371796	13.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	328079	11.97	ng/ul	0.01
19) Nitrobenzene-d5	8.99	128	193908	12.71	ng/ul	0.01
22) 2-Nitrophenol-d4	9.72	143	208146	16.54	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.26	165	383735	13.87	ng/ul	0.02
29) 4-Chloroaniline-d4	10.77	131	465959	13.59	ng/ul	0.01
44) Dimethylphthalate-d6	13.89	166	1183046	13.28	ng/ul	0.01
47) Acenaphthylene-d8	14.18	160	1546789	13.60	ng/ul	0.02
52) 4-Nitrophenol-d4	14.69	143	151608	10.07	ng/ul	0.03
58) Fluorene-d10	15.49	176	1045953	12.96	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.61	200	46574	3.86	ng/ul	0.03
71) Anthracene-d10	17.35	188	1650989	13.46	ng/ul	0.02
79) Pyrene-d10	19.59	212	1898657	15.27	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.56	264	2061551	14.47	ng/ul	0.04

Target Compounds

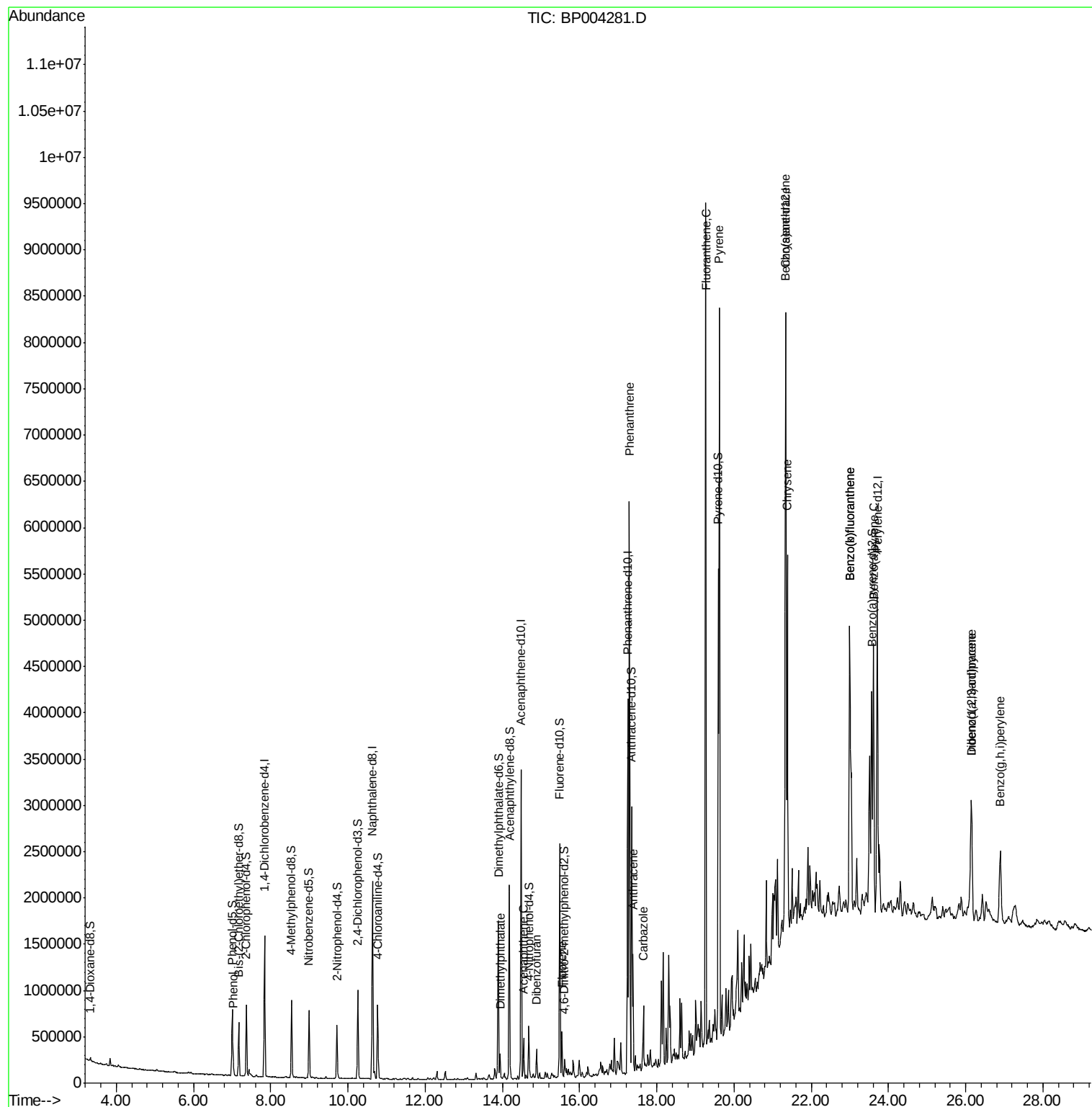
					Ovalue
6) Phenol	7.03	94	87124	2.301	ng/ul 97
45) Dimethylphthalate	13.94	163	181983	2.005	ng/ul 100
50) Acenaphthene	14.55	153	176559	2.210	ng/ul 98
54) Dibenzofuran	14.89	168	174506	1.550	ng/ul 98
59) Fluorene	15.54	166	206192	2.290	ng/ul 99
70) Phenanthrene	17.29	178	3772840	25.406	ng/ul 99
72) Anthracene	17.38	178	812688	5.531	ng/ul 99
75) Carbazole	17.65	167	416173	3.481	ng/ul 100
77) Fluoranthene	19.27	202	5432769	34.261	ng/ul 96
80) Pyrene	19.62	202	4840159	30.063	ng/ul 96
83) Benzo(a)anthracene	21.33	228	2440027	15.509	ng/ul 97
85) Chrysene	21.38	228	2235217	14.483	ng/ul 98
88) Benzo(b)fluoranthene	23.00	252	2878584	16.782	ng/ul 98
89) Benzo(k)fluoranthene	23.00	252	2878584	16.340	ng/ul 98
91) Benzo(a)pyrene	23.61	252	2148035	13.420	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	26.15	276	1444041	7.194	ng/ul# 95
93) Dibenzo(a,h)anthracene	26.15	278	364752	2.168	ng/ul# 92
94) Benzo(g,h,i)perylene	26.89	276	1100473	6.535	ng/ul 95

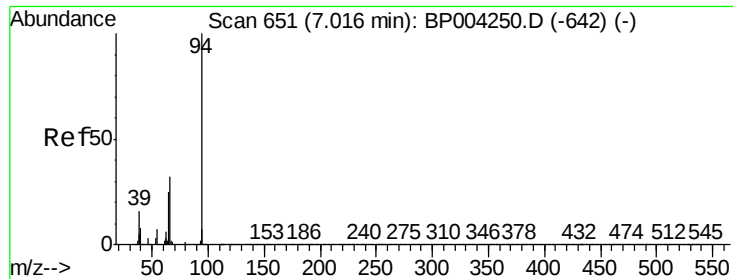
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 10 13:52:32 2020
Response via : Initial Calibration





#6

Phenol

Concen: 2.301 ng/ul

RT: 7.03 min Scan# 653

Delta R.T. 0.01 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

Instrument :

BNA_P

ClientSampleId :

A54C4

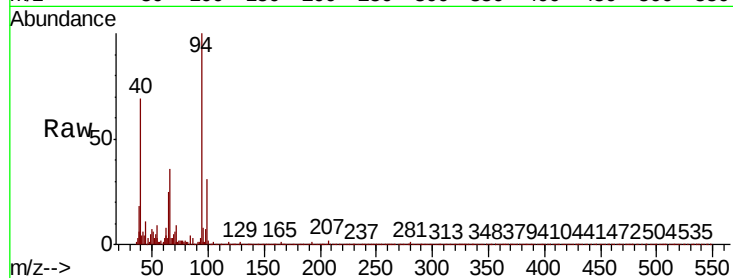
Tot Ion: 94 Resp: 87124

Ion Ratio Lower Upper

94 100

65 25.2 20.8 31.2

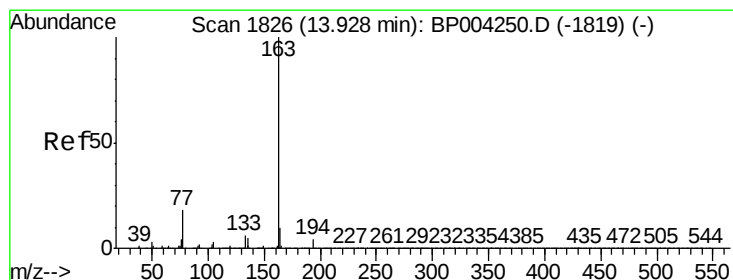
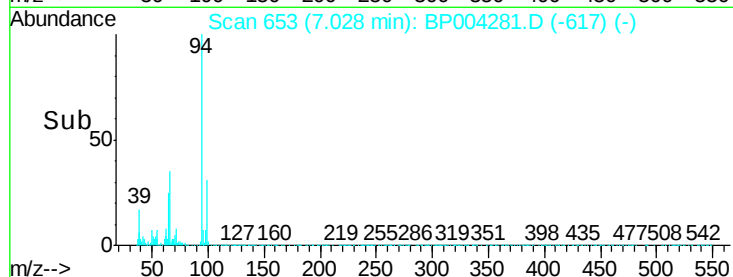
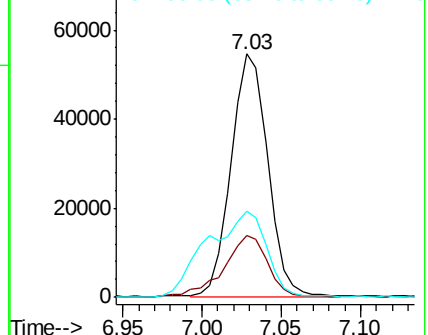
66 35.6 26.5 39.7



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



#45

Dimethylphthalate

Concen: 2.005 ng/ul

RT: 13.94 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

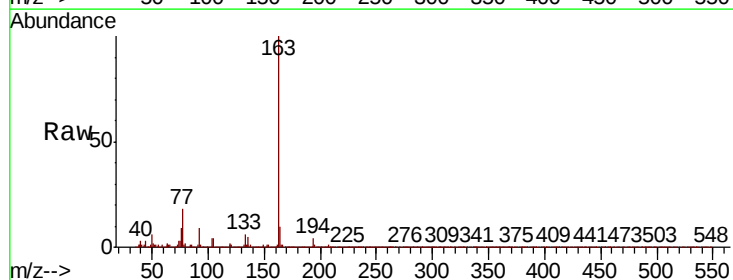
Tgt Ion: 163 Resp: 181983

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

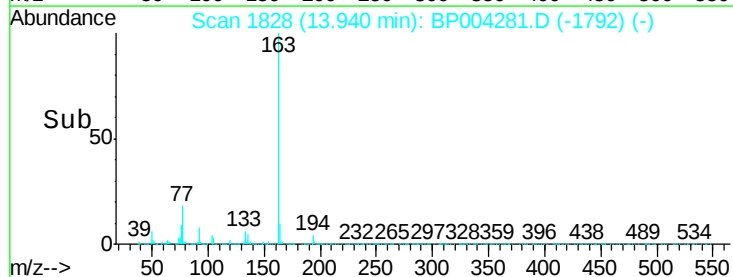
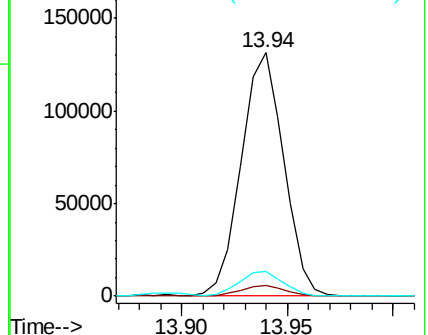
164 10.4 8.4 12.6

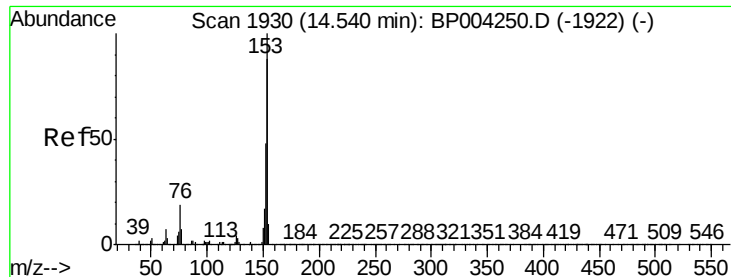


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 2.210 ng/ul

RT: 14.55 min Scan# 1932

Delta R.T. 0.01 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

Instrument :

BNA_P

ClientSampleId :

A54C4

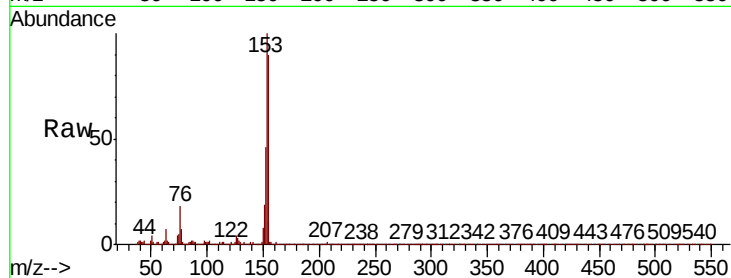
Tot Ion:153 Resp: 176559

Ion Ratio Lower Upper

153 100

152 46.4 37.8 56.6

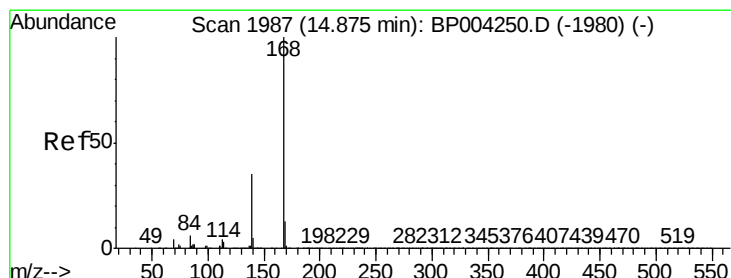
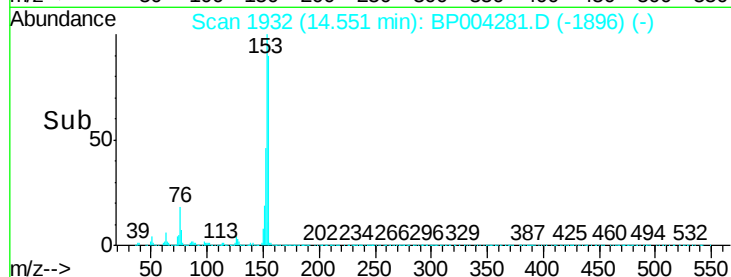
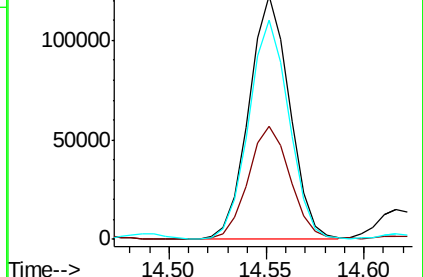
154 89.9 69.8 104.8



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: 1.550 ng/ul

RT: 14.89 min Scan# 1989

Delta R.T. 0.01 min

Lab File: BP004281.D

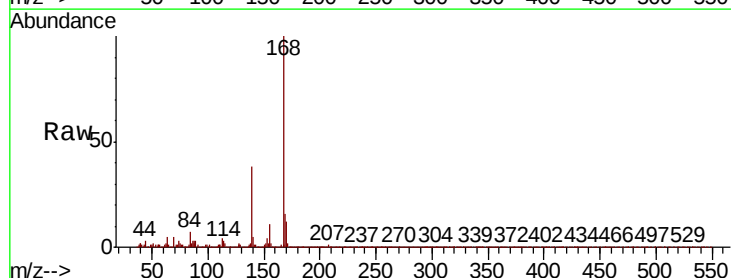
Acq: 14 Dec 2020 19:10

Tgt Ion:168 Resp: 174506

Ion Ratio Lower Upper

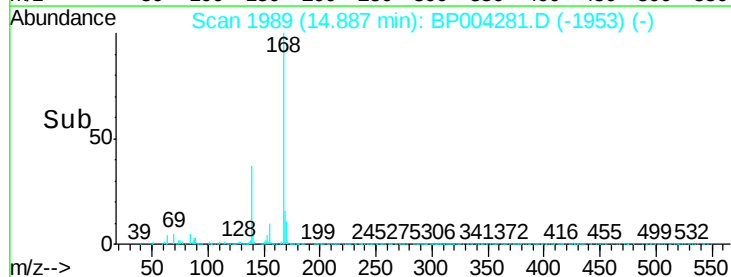
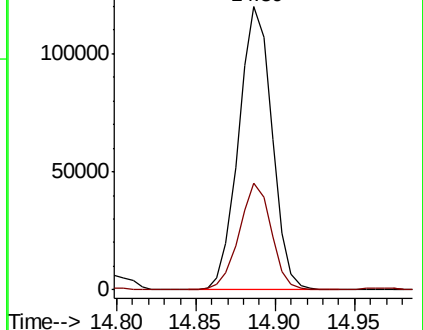
168 100

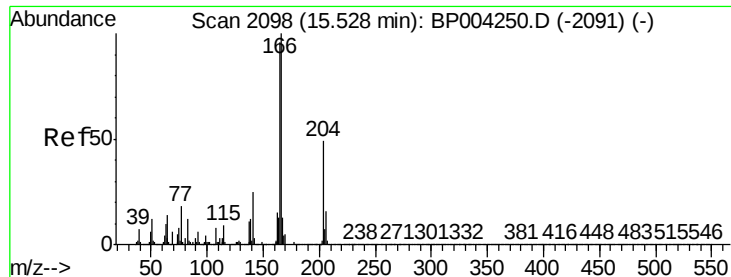
139 37.5 29.0 43.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.290 ng/ul

RT: 15.54 min Scan# 2100

Delta R.T. 0.01 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

Instrument :

BNA_P

ClientSampleId :

A54C4

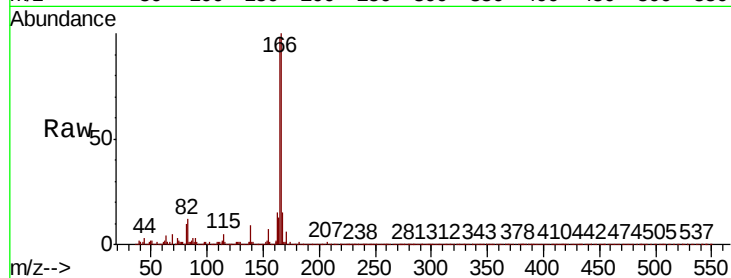
Tot Ion:166 Resp: 206192

Ion Ratio Lower Upper

166 100

165 98.3 78.2 117.2

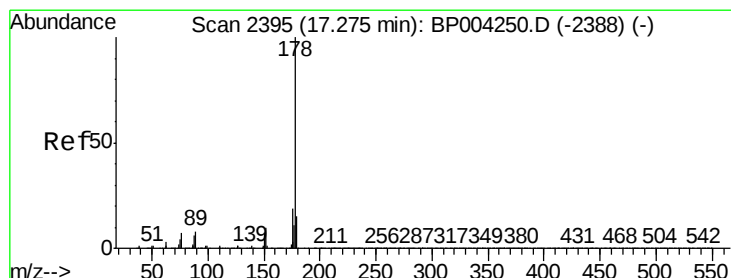
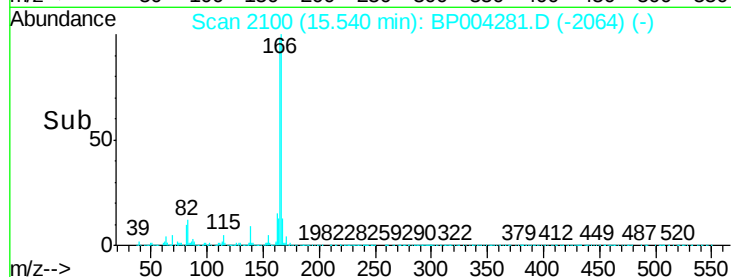
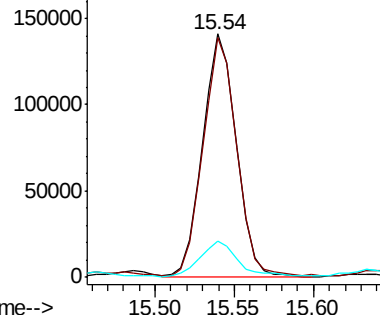
167 14.7 10.8 16.2



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



#70

Phenanthrene

Concen: 25.406 ng/ul

RT: 17.29 min Scan# 2398

Delta R.T. 0.02 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

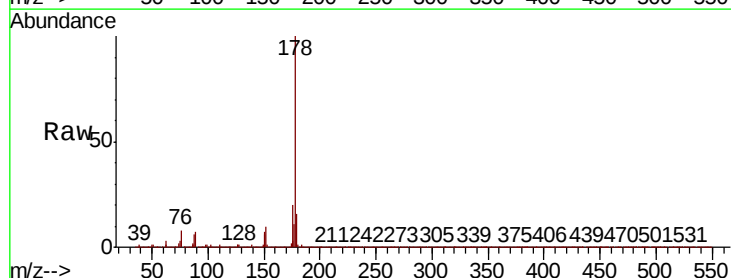
Tgt Ion:178 Resp: 3772840

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

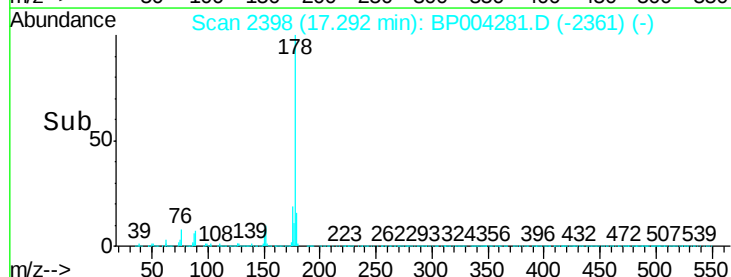
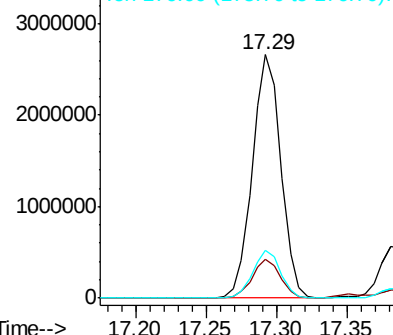
176 19.5 15.4 23.0

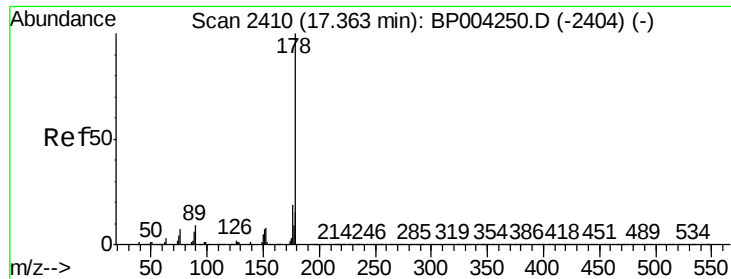


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

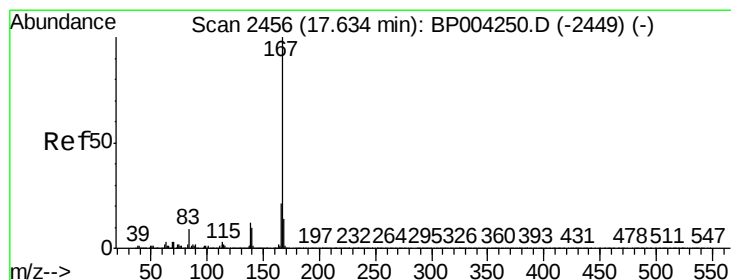
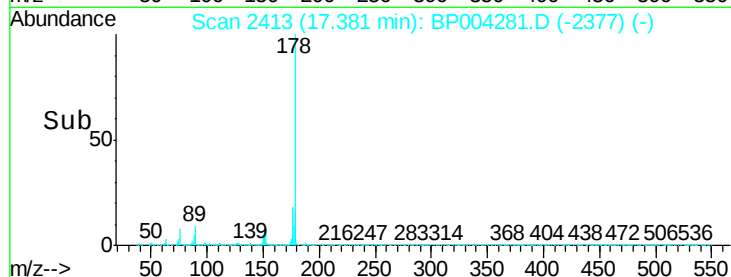
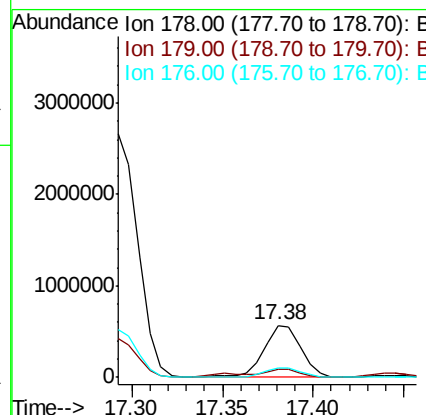
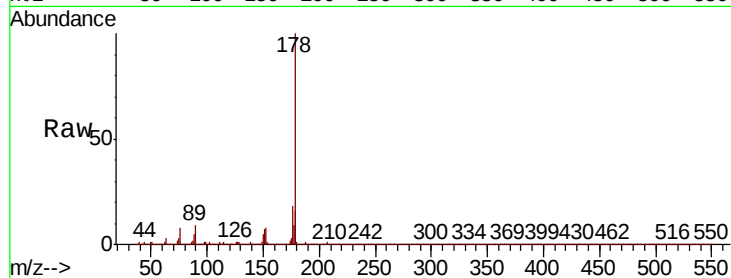




#72
 Anthracene
 Concen: 5.531 ng/ul
 RT: 17.38 min Scan# 2413
 Delta R.T. 0.01 min
 Lab File: BP004281.D
 Acq: 14 Dec 2020 19:10

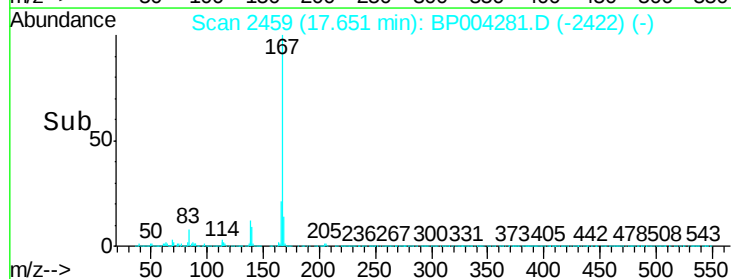
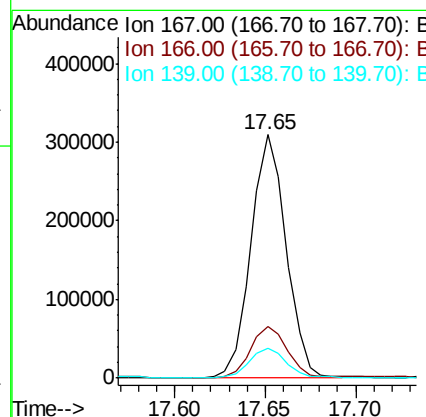
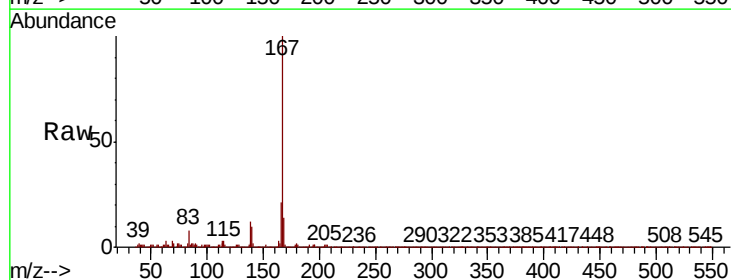
Instrument :
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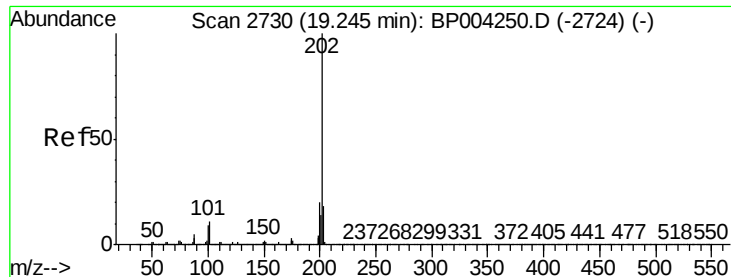
Tot Ion:178 Resp: 812688
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.3 18.5
 176 17.7 14.9 22.3



#75
 Carbazole
 Concen: 3.481 ng/ul
 RT: 17.65 min Scan# 2459
 Delta R.T. 0.02 min
 Lab File: BP004281.D
 Acq: 14 Dec 2020 19:10

Tgt Ion:167 Resp: 416173
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.1 25.7
 139 12.1 9.8 14.6





#77

Fluoranthene

Concen: 34.261 ng/ul

RT: 19.27 min Scan# 2734

Delta R.T. 0.02 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

Instrument :

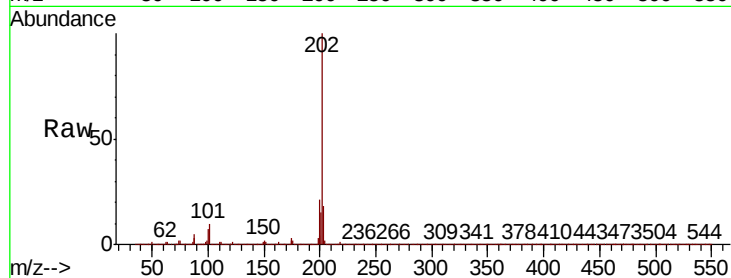
BNA_P

ClientSampleId :

A54C4

Tot Ion:202 Resp: 5432769

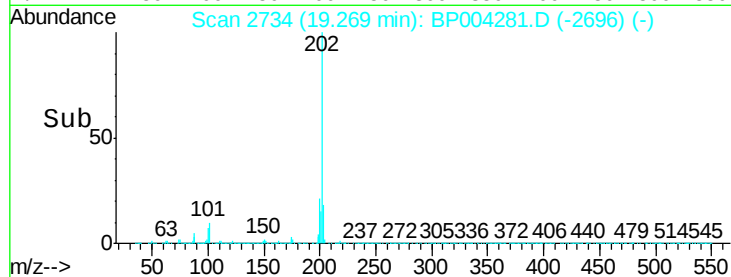
Ion	Ratio	Lower	Upper
202	100		
101	9.9	9.1	13.7
100	7.4	7.1	10.7



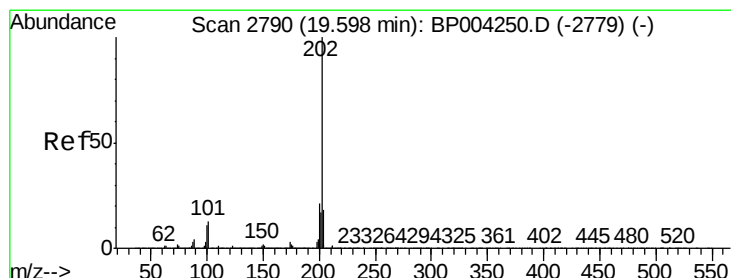
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Pyrene

Concen: 30.063 ng/ul

RT: 19.62 min Scan# 2794

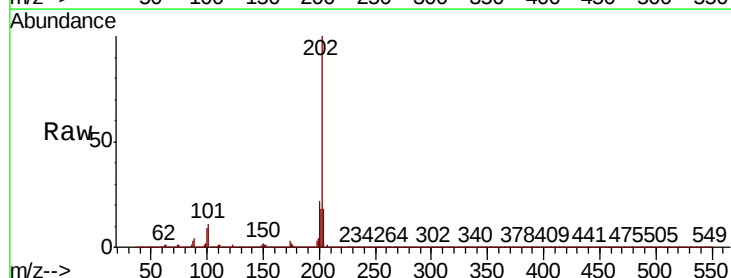
Delta R.T. 0.02 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

Tgt Ion:202 Resp: 4840159

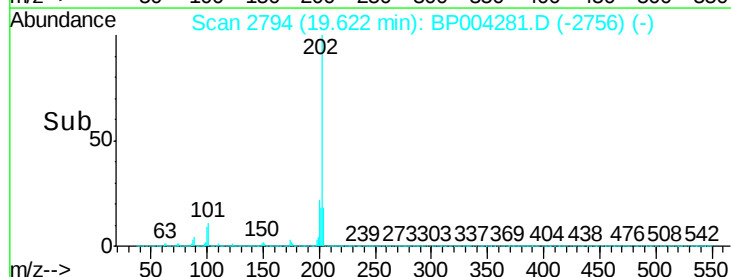
Ion	Ratio	Lower	Upper
202	100		
101	11.4	10.6	15.8
100	9.4	8.6	12.8



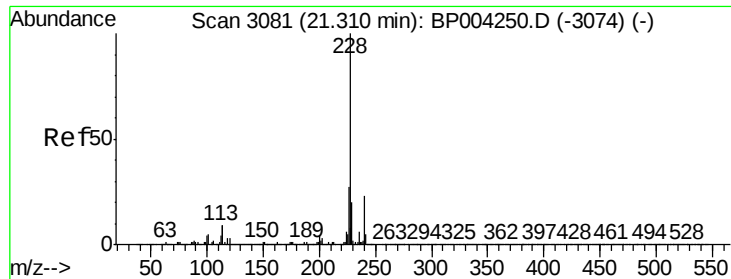
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#83

Benzo(a)anthracene

Concen: 15.509 ng/ul

RT: 21.33 min Scan# 3084

Delta R.T. 0.02 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

Instrument :

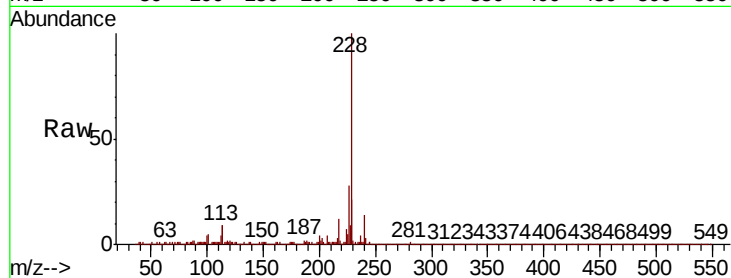
BNA_P

ClientSampleId :

A54C4

Tot Ion:228 Resp: 2440027

Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.8	23.8
226	28.4	21.7	32.5

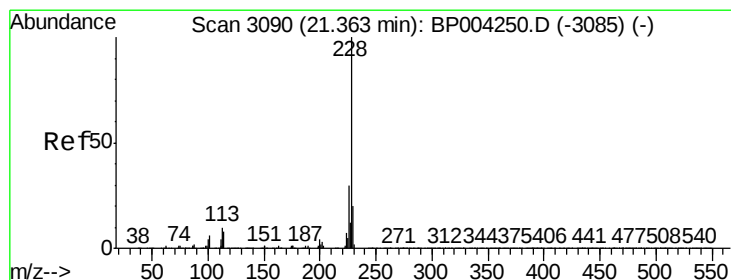
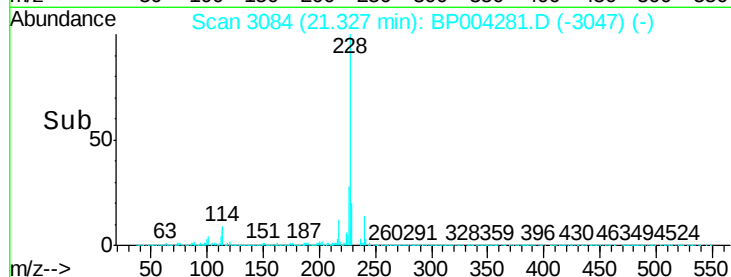
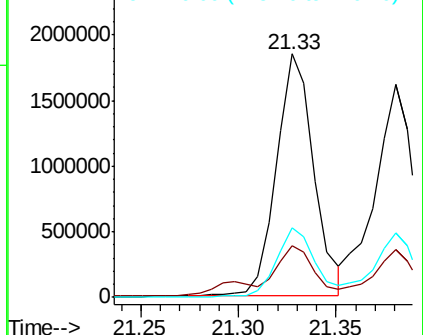


Abundance

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



#85

Chrysene

Concen: 14.483 ng/ul

RT: 21.38 min Scan# 3093

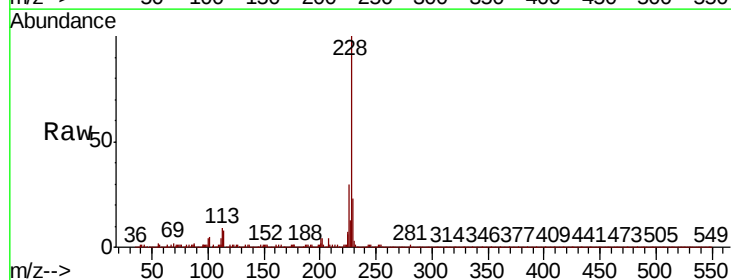
Delta R.T. 0.02 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

Tgt Ion:228 Resp: 2235217

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.2
229	22.6	15.8	23.8

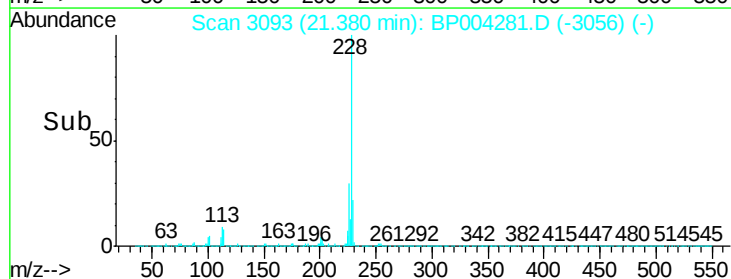
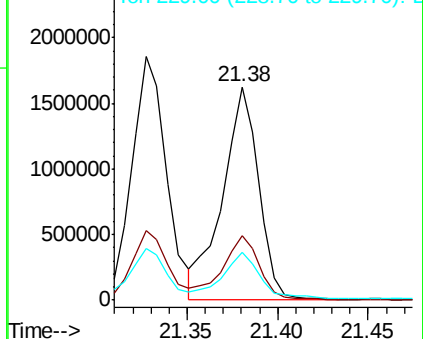


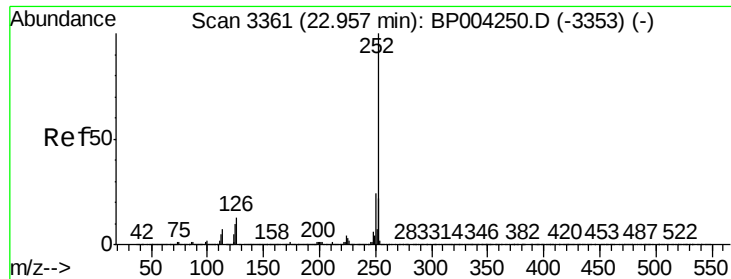
Abundance

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: 16.782 ng/u1

RT: 23.00 min Scan# 3368

Delta R.T. 0.04 min

Lab File: BP004281.D

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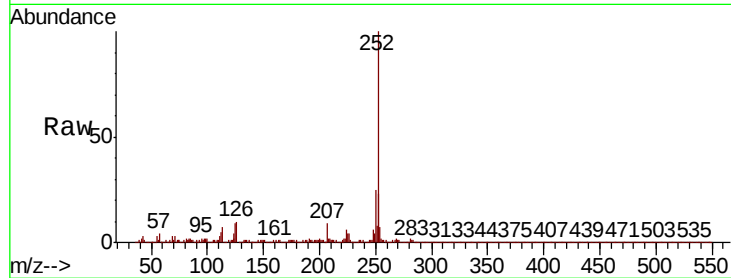
Tot Ion:252 Resp: 2878584

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

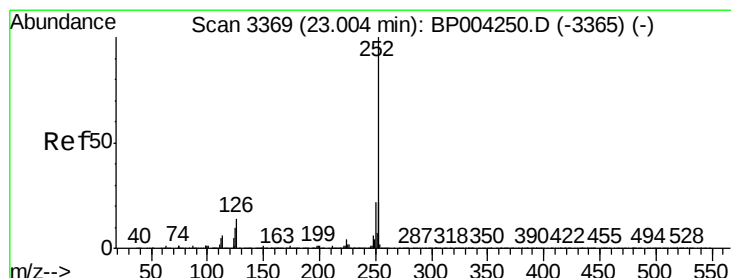
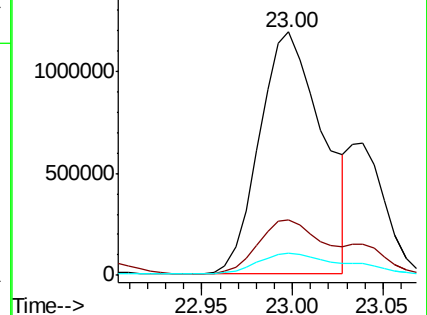
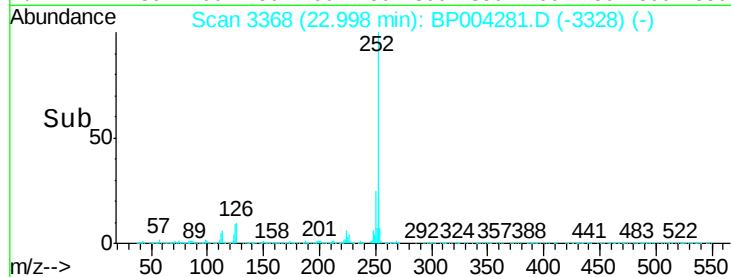
125 9.3 7.7 11.5



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



#89

Benzo(k)fluoranthene

Concen: 16.340 ng/u1

RT: 23.00 min Scan# 3368

Delta R.T. -0.01 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

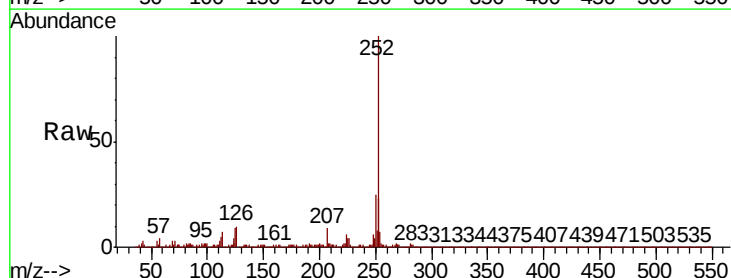
Tgt Ion:252 Resp: 2878584

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

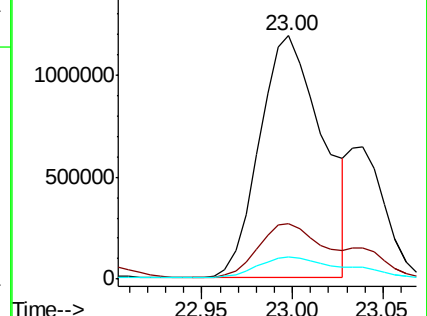
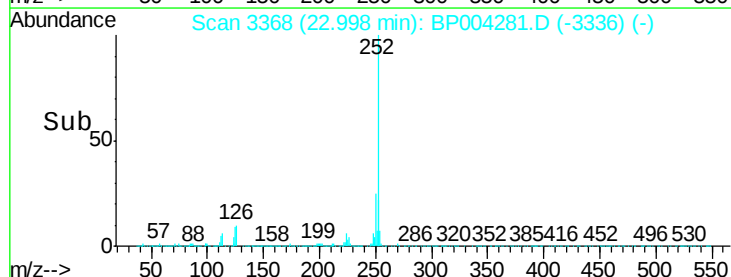
125 9.3 7.3 10.9

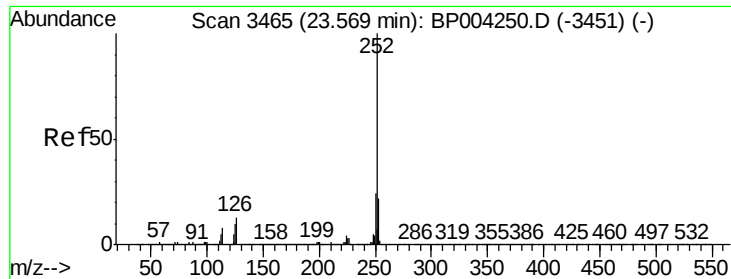


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 13.420 ng/ul

RT: 23.61 min Scan# 3472

Delta R.T. 0.04 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

Instrument :

BNA_P

ClientSampleId :

A54C4

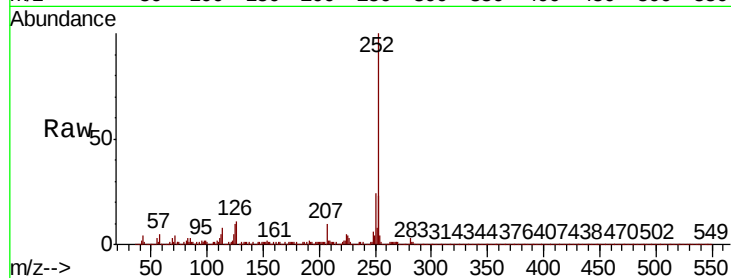
Tot Ion:252 Resp: 2148035

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 9.5 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

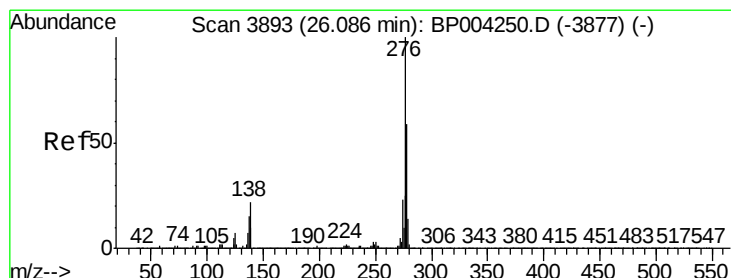
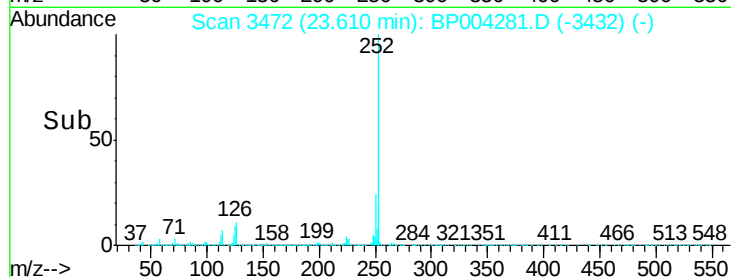
23.61

1000000

500000

0

Time--> 23.50 23.60 23.70



#92

Indeno(1,2,3-cd)pyrene

Concen: 7.194 ng/ul

RT: 26.15 min Scan# 3904

Delta R.T. 0.06 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

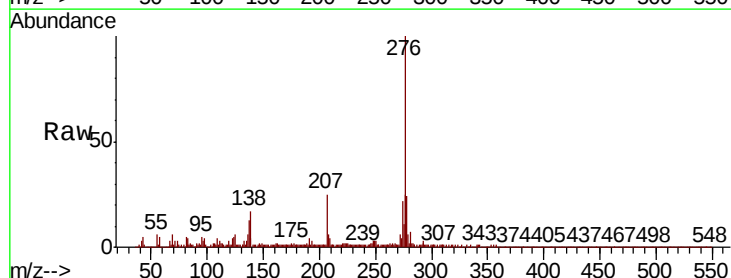
Tgt Ion:276 Resp: 1444041

Ion Ratio Lower Upper

276 100

138 17.5 17.8 26.6#

277 25.0 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

26.15

600000

500000

400000

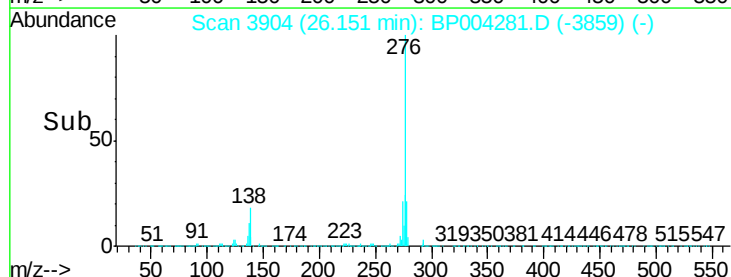
300000

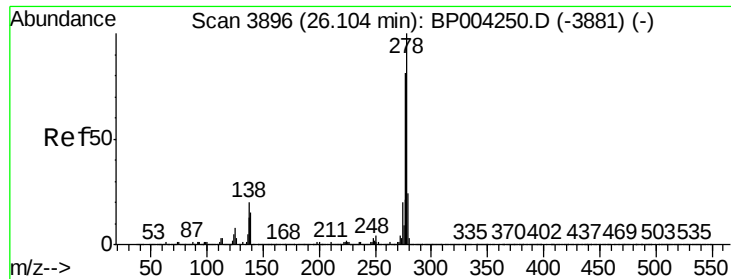
200000

100000

0

Time--> 26.10 26.20





#93

Dibenzo(a,h)anthracene

Concen: 2.168 ng/ul

RT: 26.15 min Scan# 3904

Delta R.T. 0.05 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

Instrument :

BNA_P

ClientSampled :

A54C4

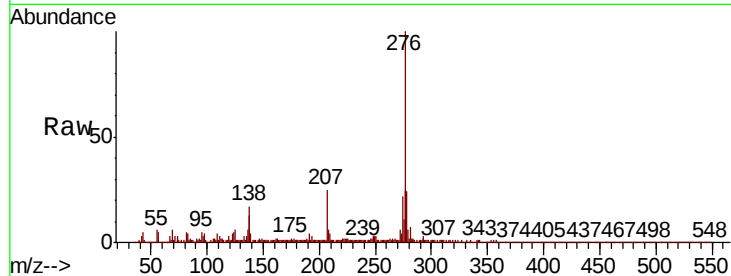
Tot Ion:278 Resp: 364752

Ion Ratio Lower Upper

278 100

139 18.5 11.9 17.9#

279 27.3 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

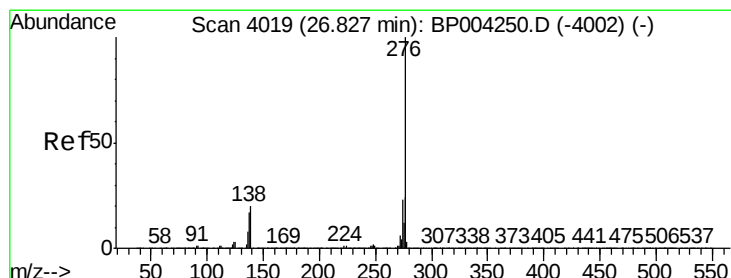
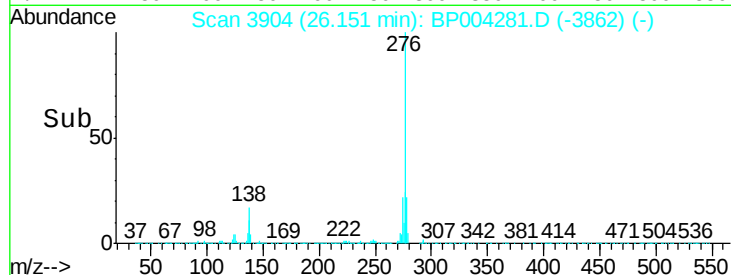
26.15

100000

50000

0

Time-->



#94

Benzo(g,h,i)perylene

Concen: 6.535 ng/ul

RT: 26.89 min Scan# 4030

Delta R.T. 0.06 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

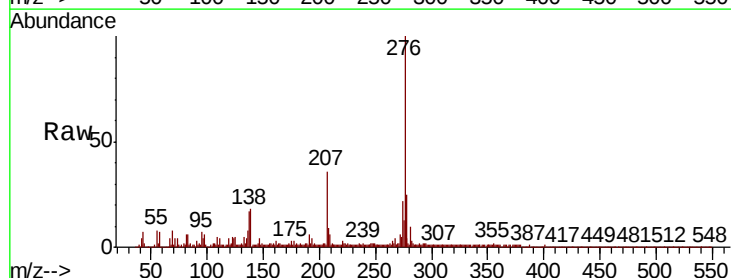
Tgt Ion:276 Resp: 1100473

Ion Ratio Lower Upper

276 100

138 17.7 16.6 25.0

277 24.8 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

26.89

400000

300000

200000

100000

0

Time-->

