

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP121420\
 Data File : BP004274.D
 Acq On : 14 Dec 2020 15:11
 Operator : CG/JU
 Sample : L5000-02MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A54A1MS

Quant Time: Dec 14 23:59:13 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	328325	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1394648	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.49	164	907675	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.25	188	1973758	20.00	ng/ul	0.01
78) Chrysene-d12	21.34	240	1917260	20.00	ng/ul	0.02
86) Perylene-d12	23.70	264	2176918	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	24267	2.60	ng/uL	0.00
5) Phenol-d5	7.00	99	534780	19.69	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.17	67	284182	16.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	440918	21.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	417232	20.33	ng/ul	0.01
19) Nitrobenzene-d5	8.99	128	220429	19.30	ng/ul	0.01
22) 2-Nitrophenol-d4	9.72	143	245708	26.08	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.25	165	466830	22.54	ng/ul	0.01
29) 4-Chloroaniline-d4	10.76	131	447973	17.45	ng/ul	0.00
44) Dimethylphthalate-d6	13.89	166	1356359	19.55	ng/ul	0.01
47) Acenaphthylene-d8	14.17	160	1780306	20.11	ng/ul	0.01
52) 4-Nitrophenol-d4	14.68	143	202130	17.25	ng/ul	0.02
58) Fluorene-d10	15.48	176	1224202	19.48	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.60	200	108249	11.43	ng/ul	0.02
71) Anthracene-d10	17.35	188	1935449	20.12	ng/ul	0.01
79) Pyrene-d10	19.59	212	2207025	22.10	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.56	264	2388684	20.83	ng/ul	0.04

Target Compounds

					Ovalue
6) Phenol	7.03	94	538242	18.980	ng/ul 100
10) 2-Chlorophenol	7.40	128	400903	18.551	ng/ul 96
15) N-Nitroso-di-n-propylamine	8.64	70	295413	18.792	ng/ul 97
33) 4-Chloro-3-methylphenol	11.92	107	440175	22.273	ng/ul 99
45) Dimethylphthalate	13.93	163	288778	4.087	ng/ul 100
50) Acenaphthene	14.55	153	1089074	17.505	ng/ul 99
53) 4-Nitrophenol	14.69	109	151557	17.526	ng/ul 96
55) 2,4-Dinitrotoluene	14.85	165	366532	19.629	ng/ul 97
69) Pentachlorophenol	16.89	266	265762	20.995	ng/ul 99
70) Phenanthrene	17.29	178	1485545	12.758	ng/ul 100
72) Anthracene	17.38	178	191476	1.662	ng/ul 99
75) Carbazole	17.65	167	187536	2.000	ng/ul 97
77) Fluoranthene	19.26	202	4963729	39.922	ng/ul 96
80) Pyrene	19.62	202	6335208	48.985	ng/ul 96
83) Benzo(a)anthracene	21.32	228	1926261	15.242	ng/ul 98
85) Chrysene	21.37	228	2544522	20.524	ng/ul 98
88) Benzo(b)fluoranthene	22.99	252	3828354	27.731	ng/ul 97
89) Benzo(k)fluoranthene	22.99	252	3828354	27.002	ng/ul 97
91) Benzo(a)pyrene	23.60	252	2326407	18.059	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	26.14	276	2004843	12.409	ng/ul 98
93) Dibenzo(a,h)anthracene	26.15	278	451051	3.331	ng/ul# 90
94) Benzo(a,h,i)perylene	26.89	276	1647381	12.154	ng/ul 95

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ALS Vial : 9 Sample Multiplier: 1

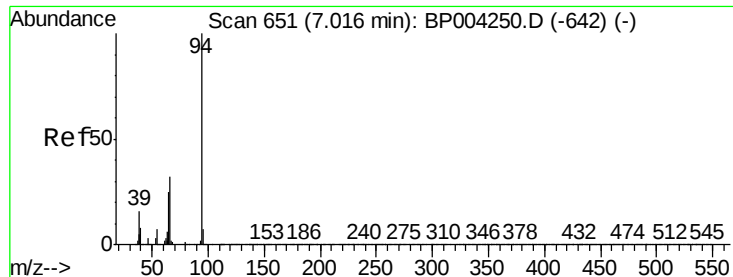
Instrument :
BNA_P
ClientSampleId :
A54A1MS

Quant Time: Dec 14 23:59:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION
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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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Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\  
Data File : BP004274.D  
Acq On    : 14 Dec 2020 15:11  
Operator  : CG/JU  
Sample    : L5000-02MS  
Misc      :  
ALS Vial  : 9      Sample Multiplier: 1
```



#6

Phenol

Concen: 18.980 ng/ul

RT: 7.03 min Scan# 653

Delta R.T. 0.01 min

Lab File: BP004274.D

Acq: 14 Dec 2020 15:11

Instrument :

BNA_P

ClientSampleId :

A54A1MS

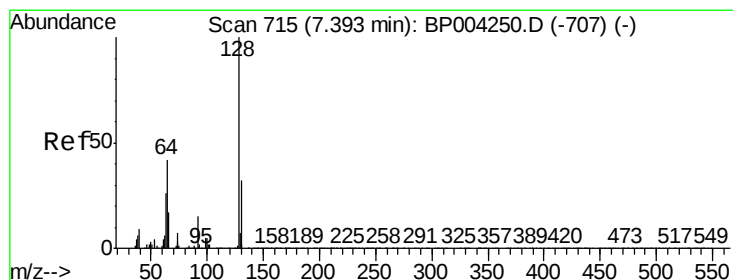
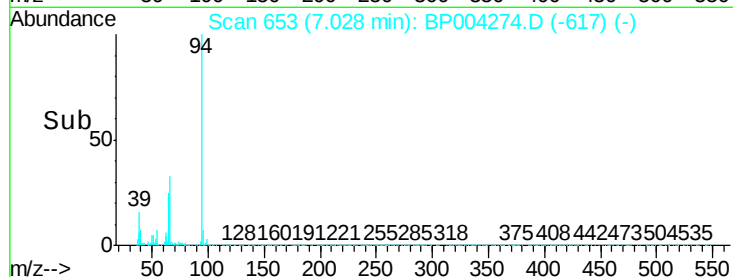
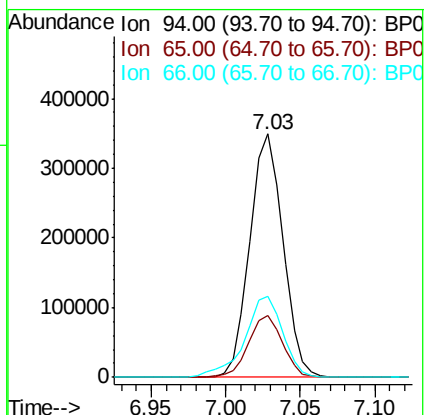
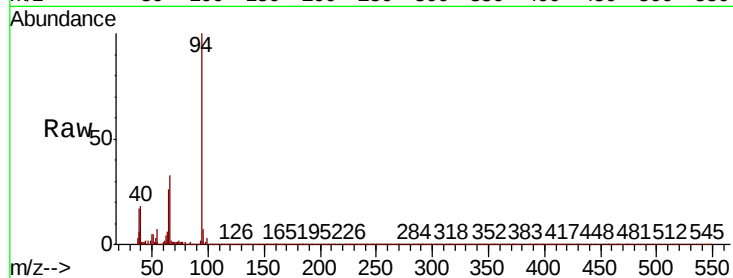
Tot Ion: 94 Resp: 538242

Ion Ratio Lower Upper

94 100

65 25.5 20.8 31.2

66 33.1 26.5 39.7



#10

2-Chlorophenol

Concen: 18.551 ng/ul

RT: 7.40 min Scan# 716

Delta R.T. 0.01 min

Lab File: BP004274.D

Acq: 14 Dec 2020 15:11

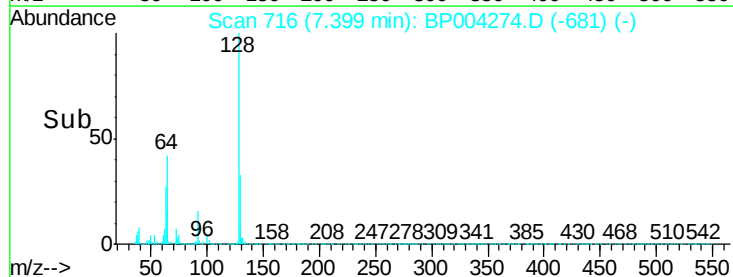
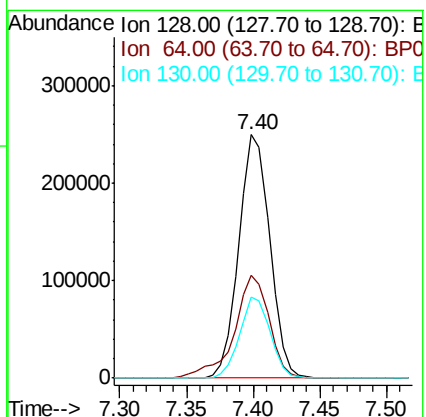
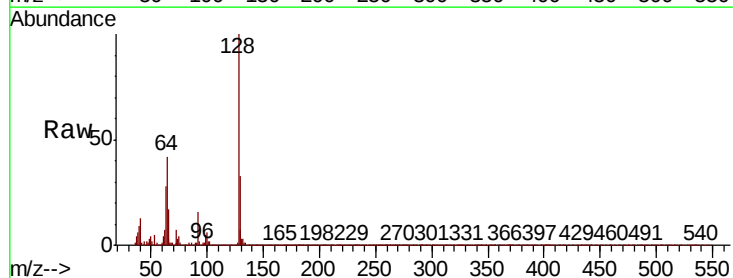
Tgt Ion: 128 Resp: 400903

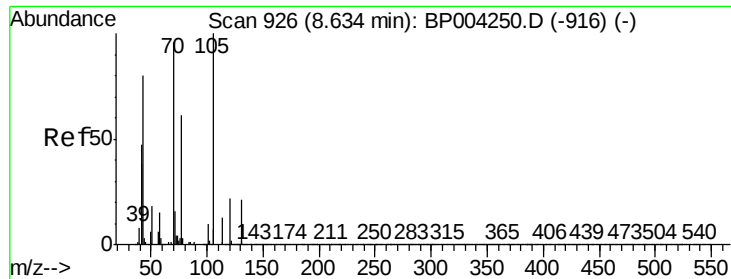
Ion Ratio Lower Upper

128 100

64 42.2 36.9 55.3

130 33.3 25.9 38.9

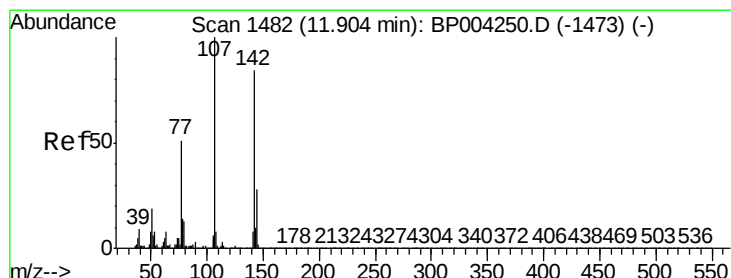
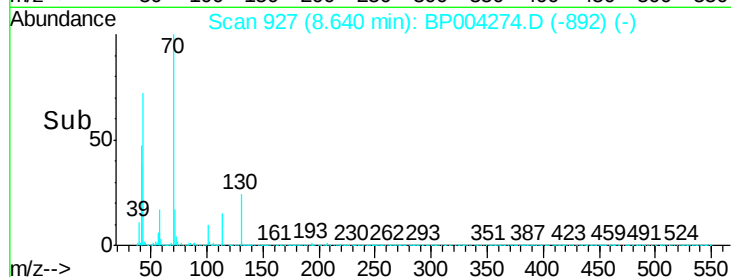
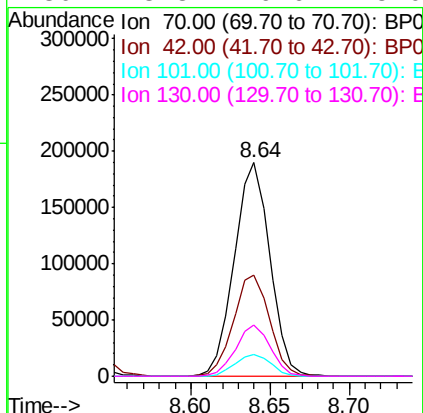
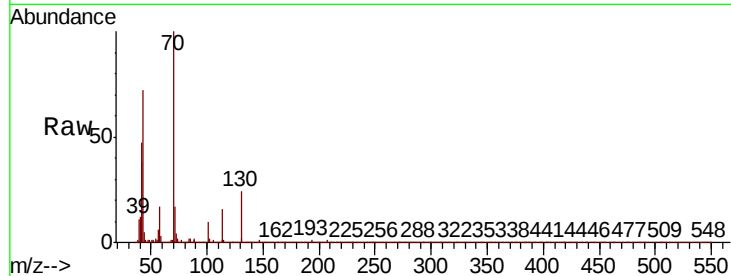




#15
N-Nitroso-di-n-propylamine
Concen: 18.792 ng/ul
RT: 8.64 min Scan# 927
Delta R.T. 0.01 min
Lab File: BP004274.D
Acq: 14 Dec 2020 15:11

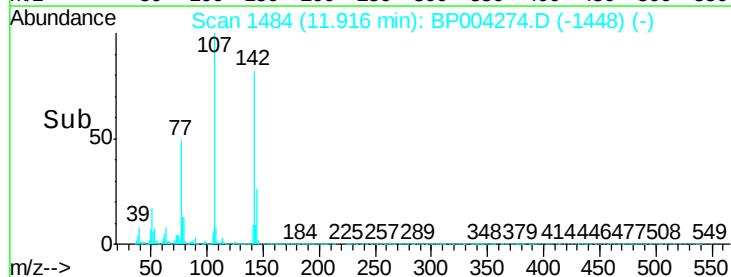
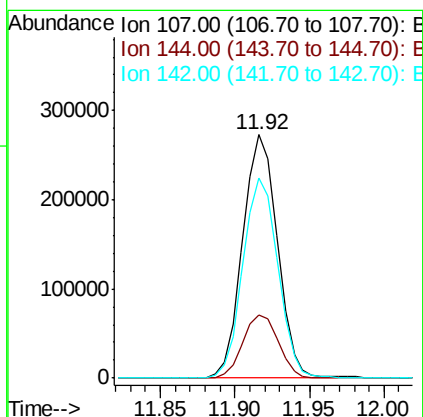
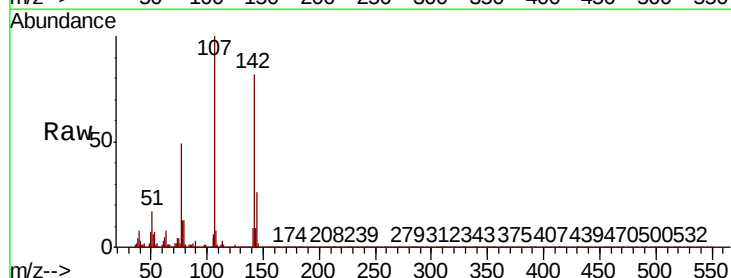
Instrument :
BNA_P
ClientSampleId :
A54A1MS

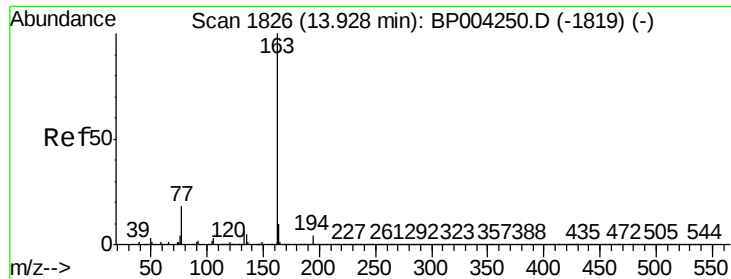
Tot Ion:	70	Resp:	295413
Ion	Ratio	Lower	Upper
70	100		
42	47.1	39.0	58.6
101	10.4	7.6	11.4
130	23.8	16.6	25.0



#33
4-Chloro-3-methylphenol
Concen: 22.273 ng/ul
RT: 11.92 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BP004274.D
Acq: 14 Dec 2020 15:11

Tgt Ion:	107	Resp:	440175
Ion	Ratio	Lower	Upper
107	100		
144	26.1	22.0	33.0
142	82.4	66.2	99.2

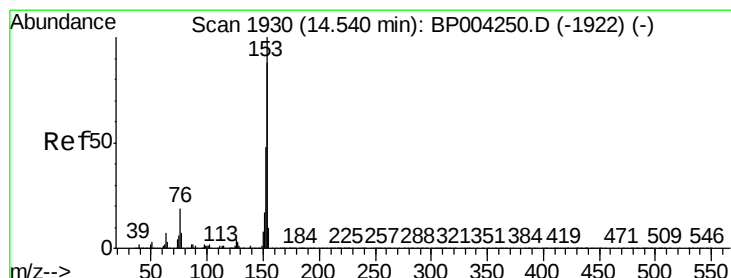
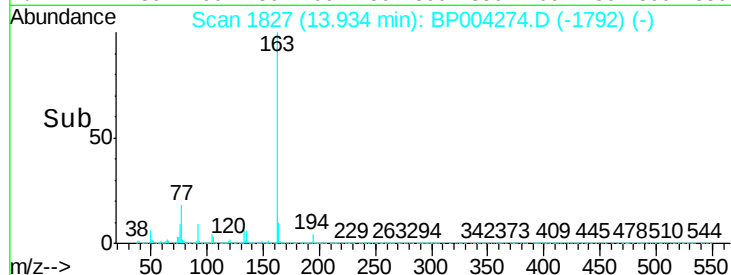
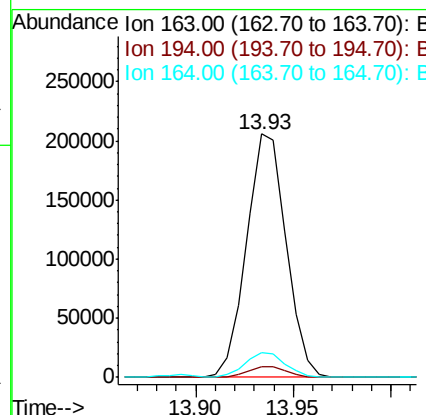
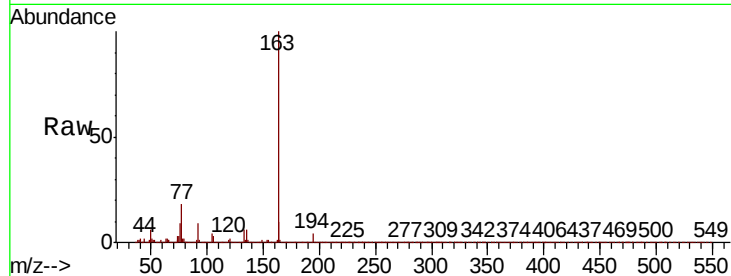




#45
Dimethylphthalate
Concen: 4.087 ng/ul
RT: 13.93 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BP004274.D
Acq: 14 Dec 2020 15:11

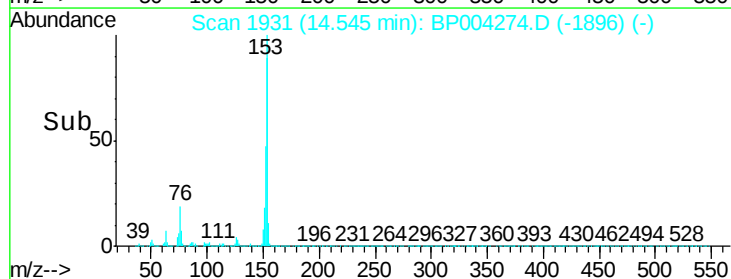
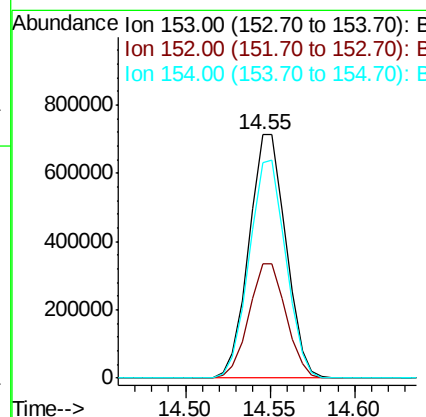
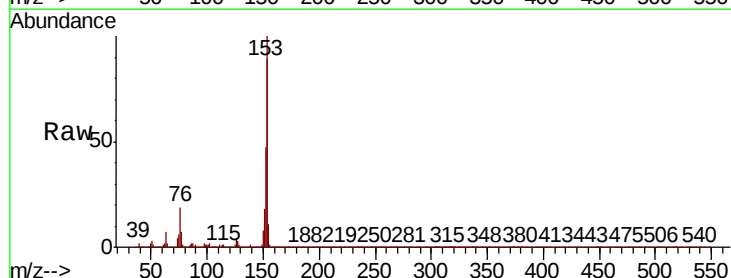
Instrument :
BNA_P
ClientSampleId :
A54A1MS

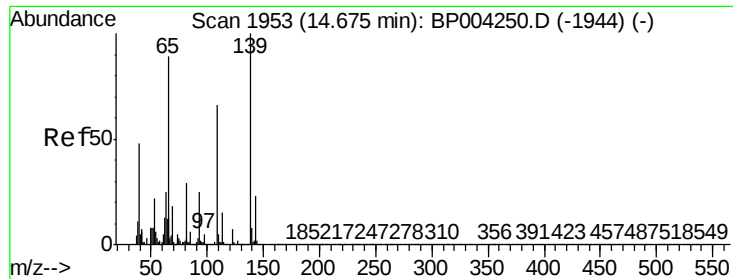
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.3	8.4	12.6



#50
Acenaphthene
Concen: 17.505 ng/ul
RT: 14.55 min Scan# 1931
Delta R.T. 0.01 min
Lab File: BP004274.D
Acq: 14 Dec 2020 15:11

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.2	37.8	56.6
154	88.6	69.8	104.8





#53

4-Nitrophenol

Concen: 17.526 ng/ul

RT: 14.69 min Scan# 1956

Delta R.T. 0.02 min

Lab File: BP004274.D

Acq: 14 Dec 2020 15:11

Instrument :

BNA_P

ClientSampleId :

A54A1MS

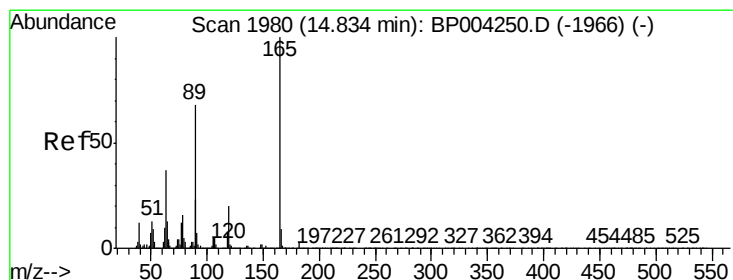
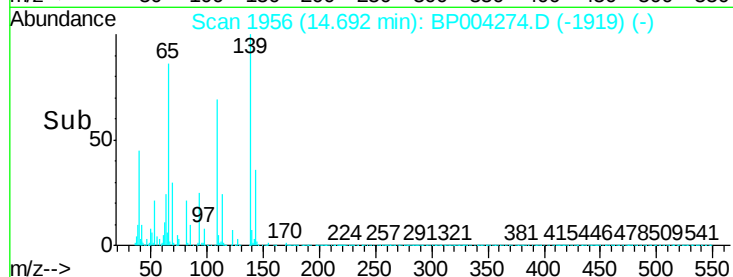
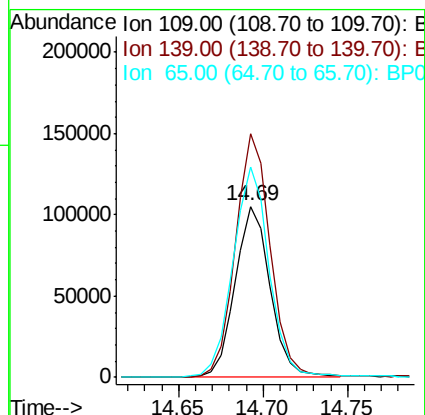
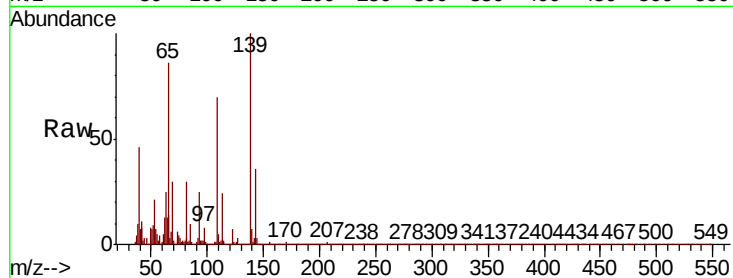
Tot Ion:109 Resp: 151557

Ion Ratio Lower Upper

109 100

139 142.4 113.5 170.3

65 123.1 105.1 157.7



#55

2,4-Dinitrotoluene

Concen: 19.629 ng/ul

RT: 14.85 min Scan# 1983

Delta R.T. 0.02 min

Lab File: BP004274.D

Acq: 14 Dec 2020 15:11

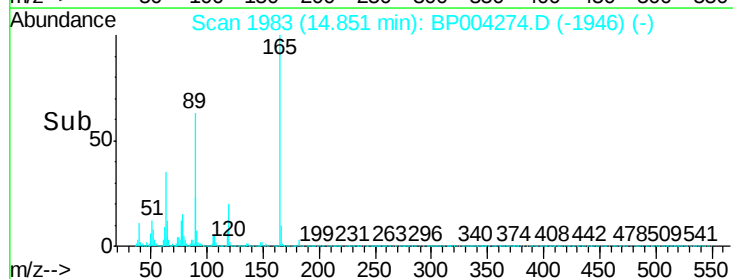
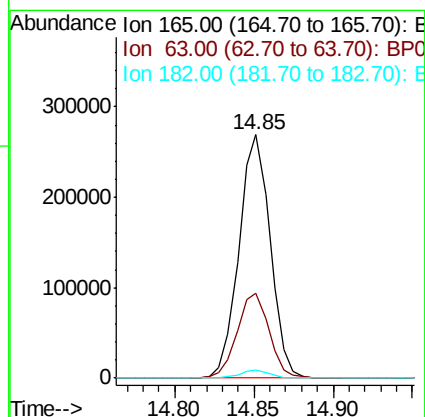
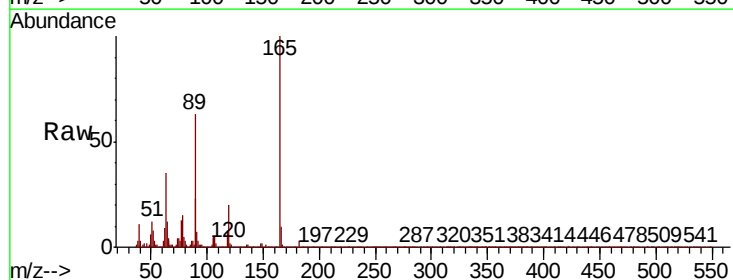
Tgt Ion:165 Resp: 366532

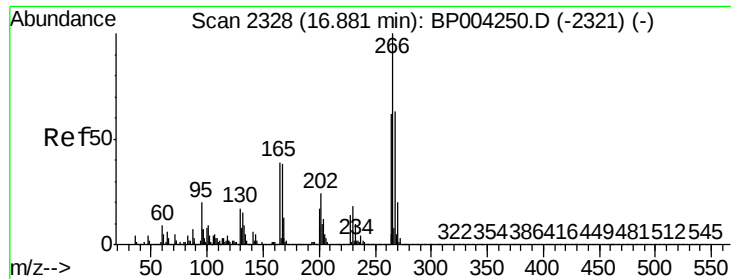
Ion Ratio Lower Upper

165 100

63 35.0 29.4 44.2

182 3.2 2.6 3.8

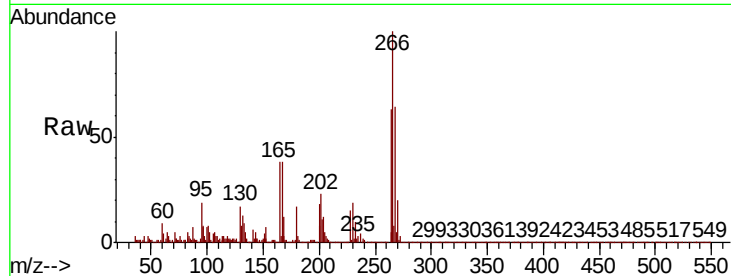




#69
 Pentachlorophenol
 Concen: 20.995 ng/ul
 RT: 16.89 min Scan# 2330
 Delta R.T. 0.01 min
 Lab File: BP004274.D
 Acq: 14 Dec 2020 15:11

Instrument :
 BNA_P
 ClientSampleId :
 A54A1MS

Tot Ion	Ratio	Lower	Upper
266	100		
264	63.1	49.8	74.6
268	63.8	52.0	78.0

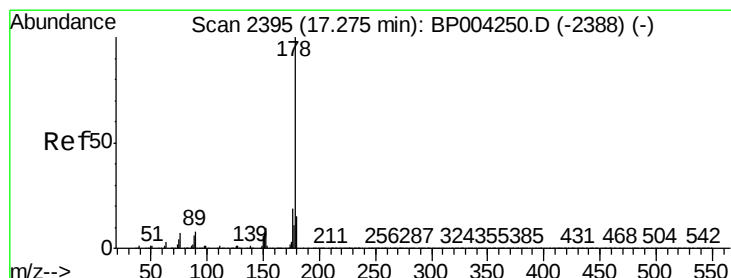
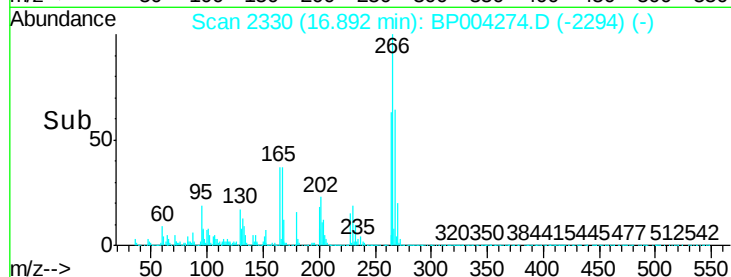
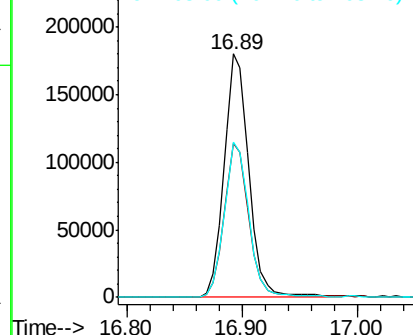


Abundance

Ion 265.70 (265.40 to 266.40): E

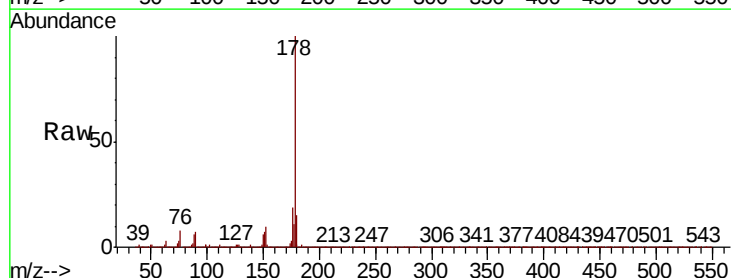
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#70
 Phenanthrene
 Concen: 12.758 ng/ul
 RT: 17.29 min Scan# 2397
 Delta R.T. 0.01 min
 Lab File: BP004274.D
 Acq: 14 Dec 2020 15:11

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	19.1	15.4	23.0

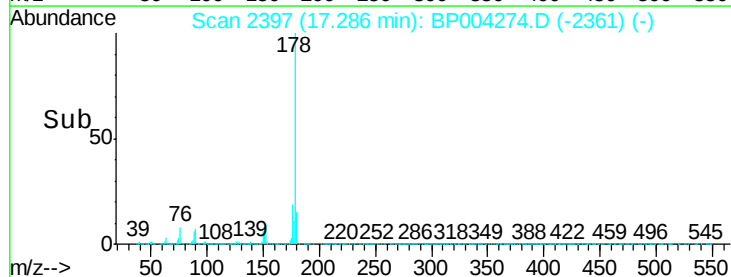
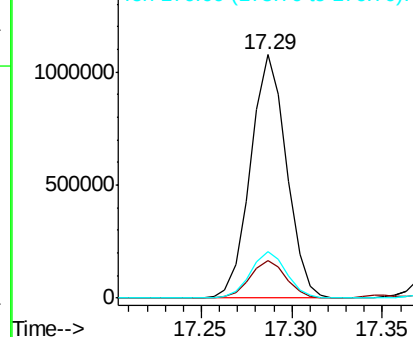


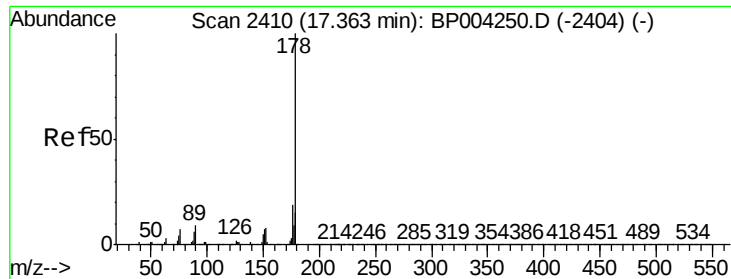
Abundance

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: 1.662 ng/ul

RT: 17.38 min Scan# 2413

Delta R.T. 0.01 min

Lab File: BP004274.D

Acq: 14 Dec 2020 15:11

Instrument :

BNA_P

ClientSampled :

A54A1MS

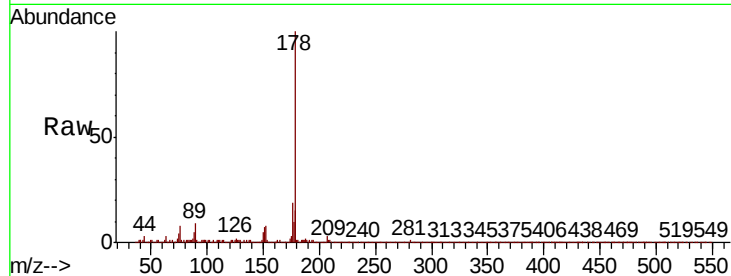
Tot Ion:178 Resp: 191476

Ion Ratio Lower Upper

178 100

179 14.8 12.3 18.5

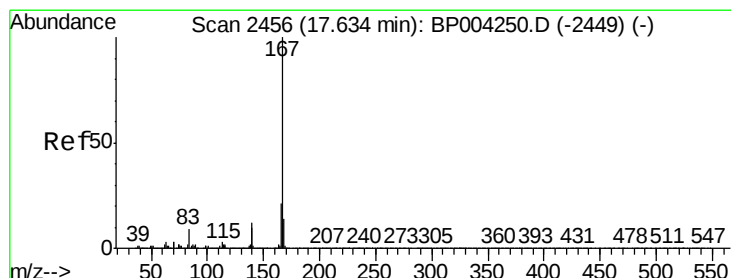
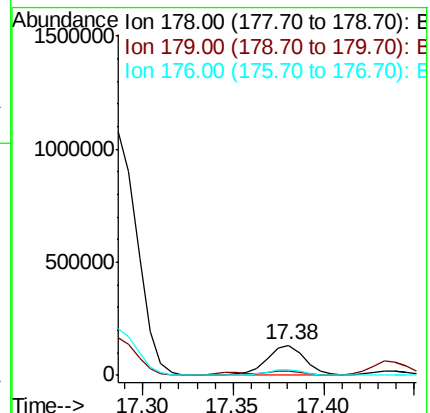
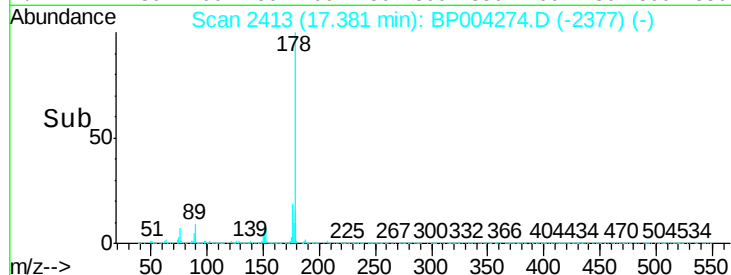
176 18.8 14.9 22.3



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: 2.000 ng/ul

RT: 17.65 min Scan# 2458

Delta R.T. 0.01 min

Lab File: BP004274.D

Acq: 14 Dec 2020 15:11

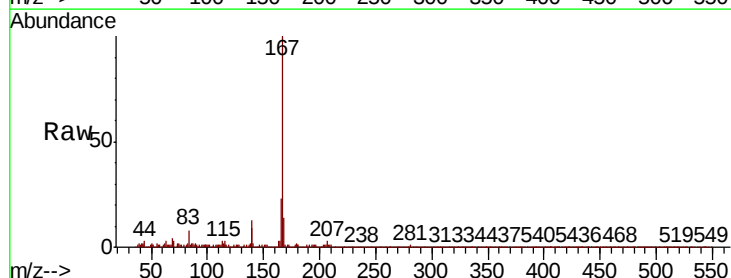
Tgt Ion:167 Resp: 187536

Ion Ratio Lower Upper

167 100

166 22.9 17.1 25.7

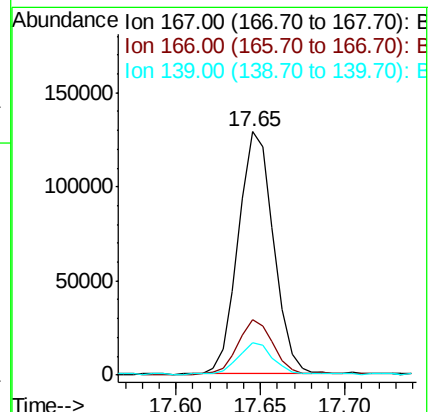
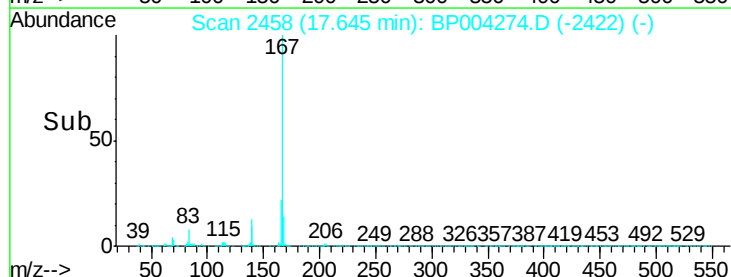
139 13.4 9.8 14.6

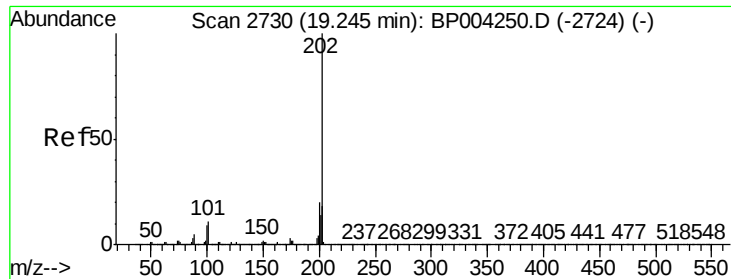


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

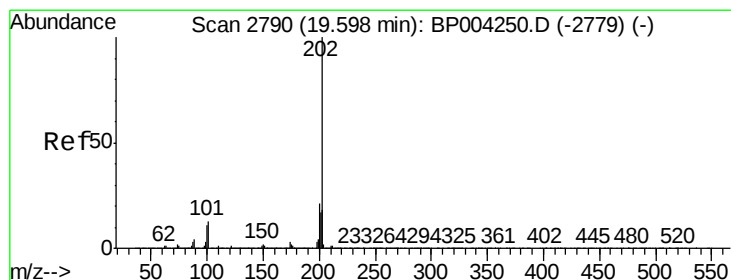
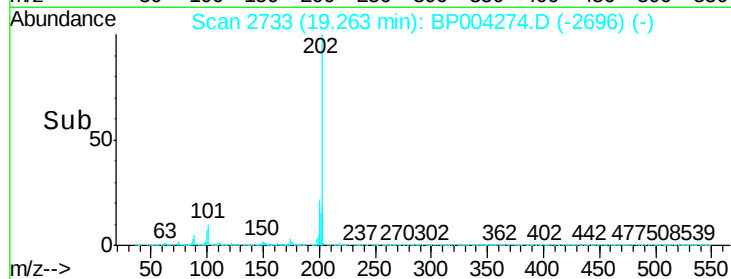
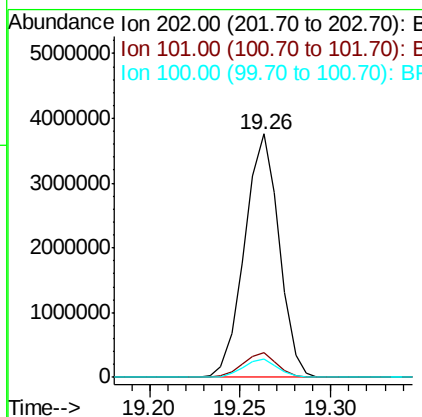
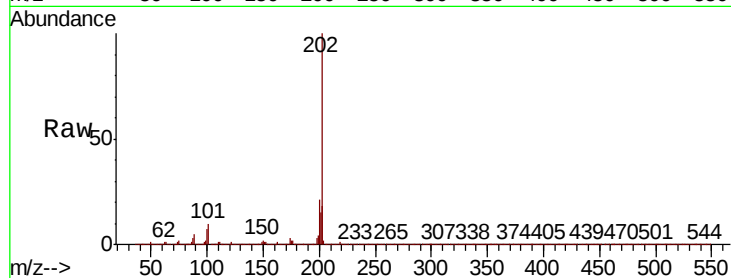




#77
 Fluoranthene
 Concen: 39.922 ng/ul
 RT: 19.26 min Scan# 2733
 Delta R.T. 0.02 min
 Lab File: BP004274.D
 Acq: 14 Dec 2020 15:11

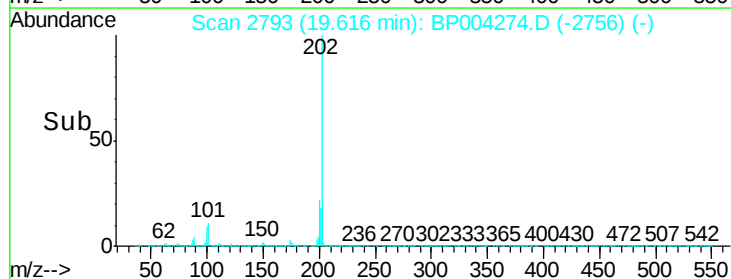
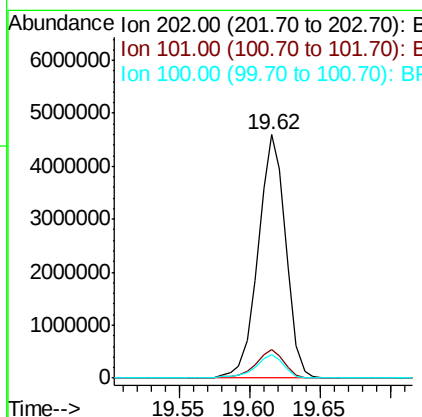
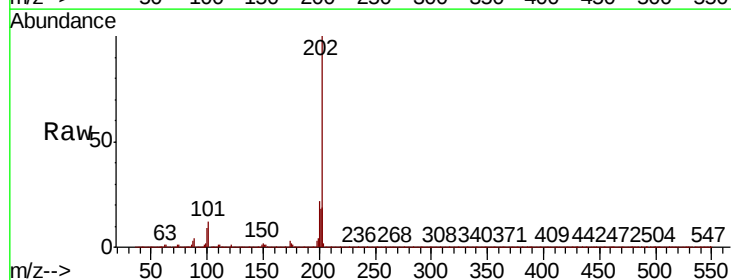
Instrument :
 BNA_P
 ClientSampleId :
 A54A1MS

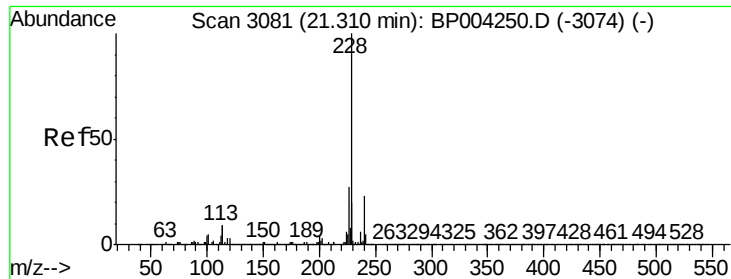
Tot Ion:202 Resp: 4963729
 Ion Ratio Lower Upper
 202 100
 101 9.9 9.1 13.7
 100 7.5 7.1 10.7



#80
 Pyrene
 Concen: 48.985 ng/ul
 RT: 19.62 min Scan# 2793
 Delta R.T. 0.02 min
 Lab File: BP004274.D
 Acq: 14 Dec 2020 15:11

Tgt Ion:202 Resp: 6335208
 Ion Ratio Lower Upper
 202 100
 101 11.5 10.6 15.8
 100 9.4 8.6 12.8





#83

Benzo(a)anthracene

Concen: 15.242 ng/ul

RT: 21.32 min Scan# 3083

Delta R.T. 0.01 min

Lab File: BP004274.D

Acq: 14 Dec 2020 15:11

Instrument :

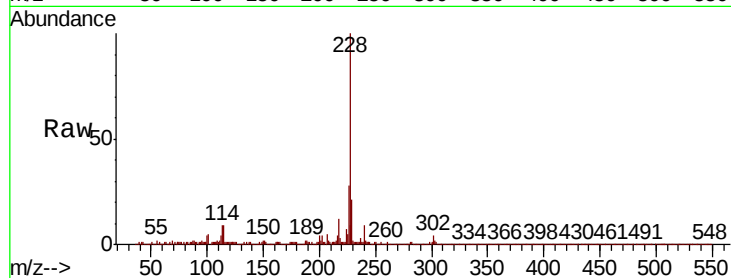
BNA_P

ClientSampleId :

A54A1MS

Tot Ion:228 Resp: 1926261

Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.8	23.8
226	28.2	21.7	32.5

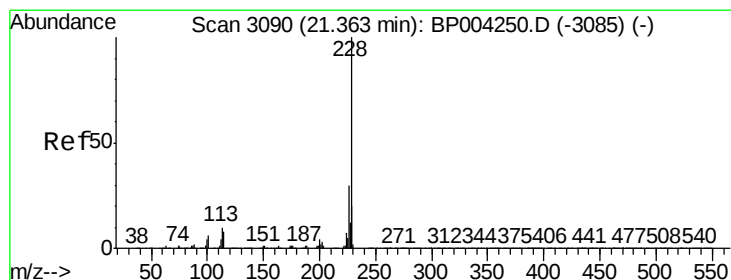
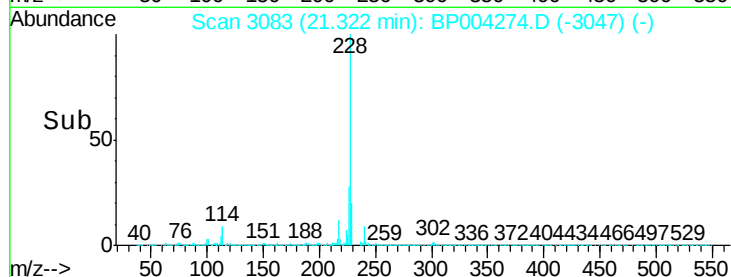
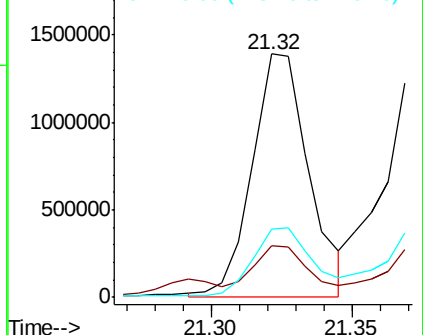


Abundance

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: 20.524 ng/ul

RT: 21.37 min Scan# 3092

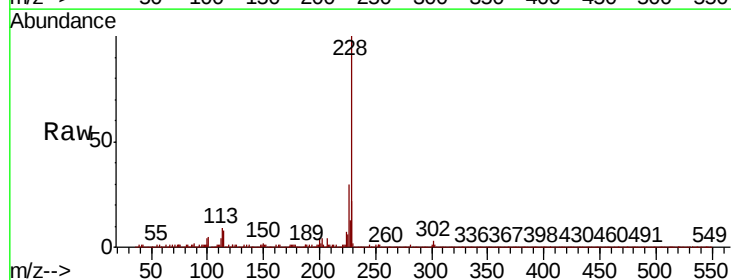
Delta R.T. 0.01 min

Lab File: BP004274.D

Acq: 14 Dec 2020 15:11

Tgt Ion:228 Resp: 2544522

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.2
229	21.9	15.8	23.8

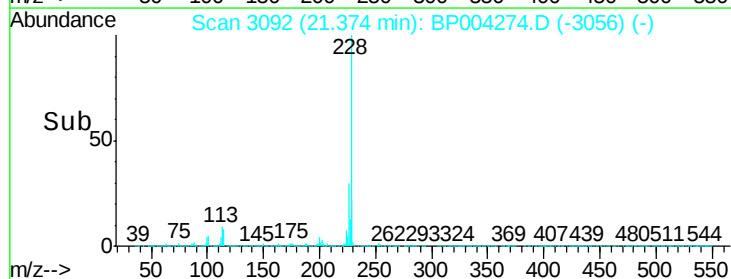
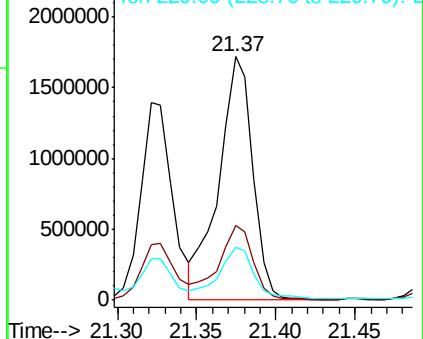


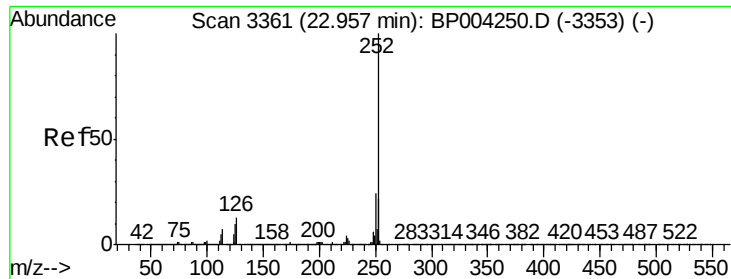
Abundance

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: 27.731 ng/u1

RT: 22.99 min Scan# 3367

Delta R.T. 0.03 min

Lab File: BP004274.D

Acq: 14 Dec 2020 15:11

Instrument :

BNA_P

ClientSampleId :

A54A1MS

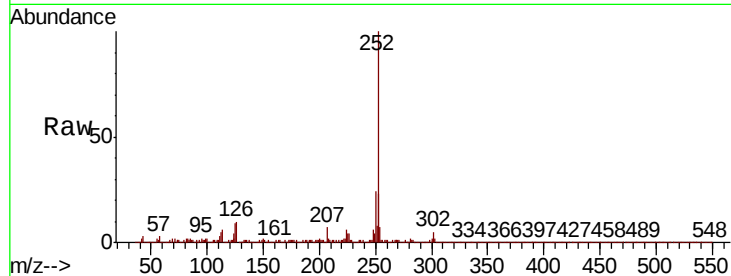
Tot Ion:252 Resp: 3828354

Ion Ratio Lower Upper

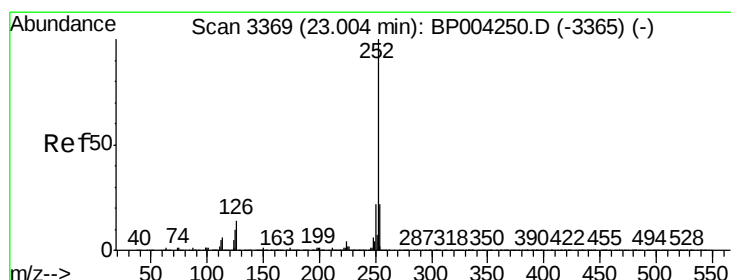
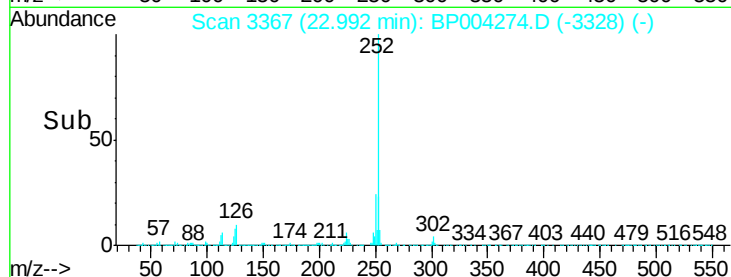
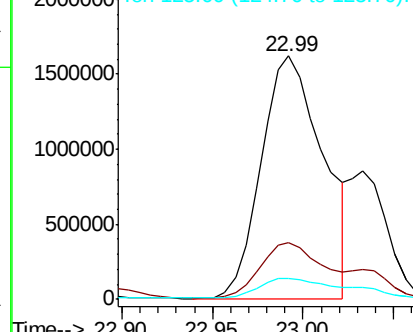
252 100

253 23.3 17.6 26.4

125 8.7 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: 27.002 ng/u1

RT: 22.99 min Scan# 3367

Delta R.T. -0.02 min

Lab File: BP004274.D

Acq: 14 Dec 2020 15:11

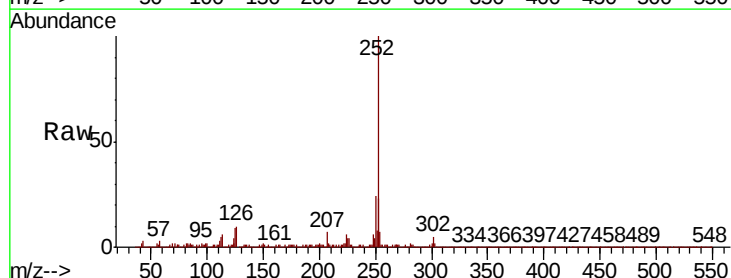
Tgt Ion:252 Resp: 3828354

Ion Ratio Lower Upper

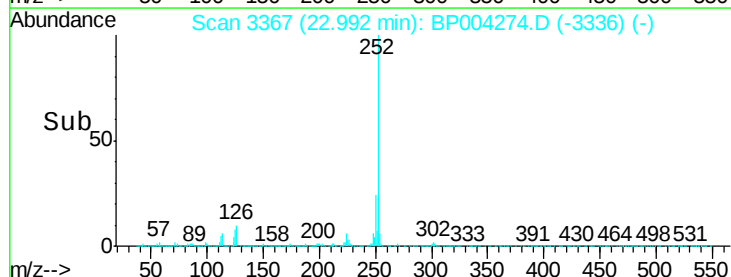
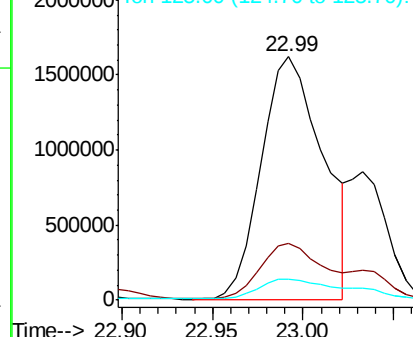
252 100

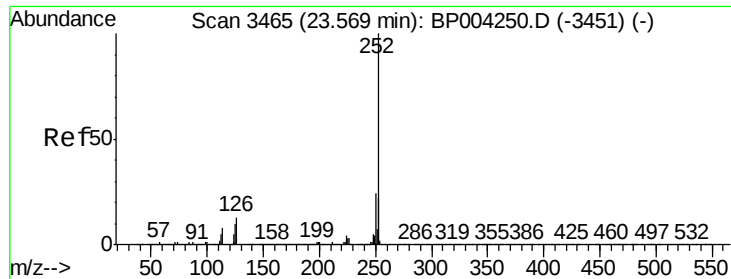
253 23.3 17.4 26.2

125 8.7 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: 18.059 ng/ul

RT: 23.60 min Scan# 3471

Delta R.T. 0.03 min

Lab File: BP004274.D

Acq: 14 Dec 2020 15:11

Instrument :

BNA_P

ClientSampleId :

A54A1MS

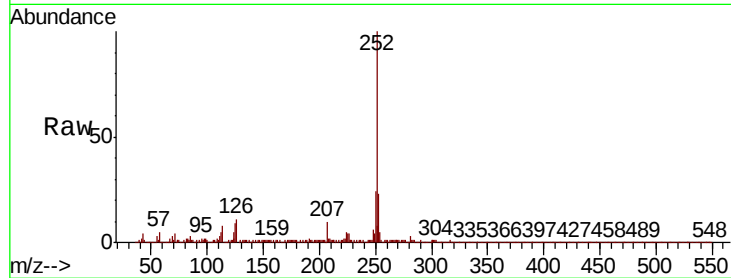
Tot Ion:252 Resp: 2326407

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

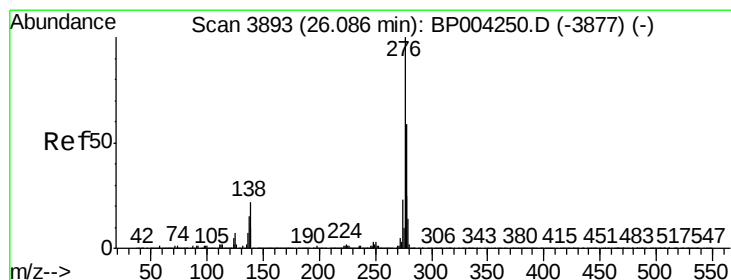
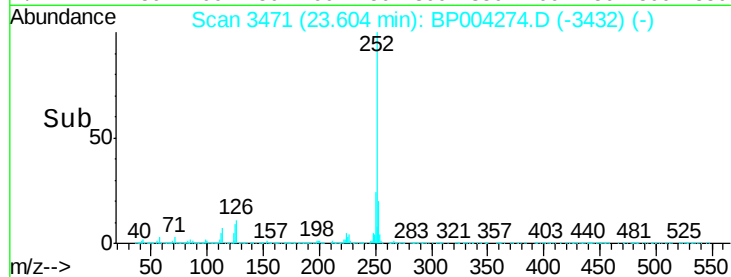
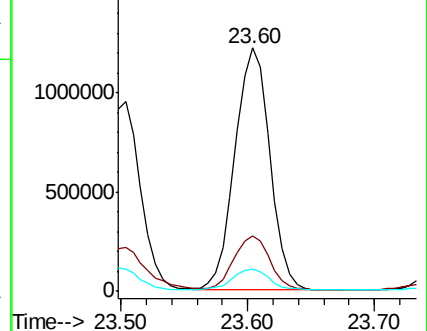
125 9.4 7.8 11.6



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: 12.409 ng/ul

RT: 26.14 min Scan# 3903

Delta R.T. 0.06 min

Lab File: BP004274.D

Acq: 14 Dec 2020 15:11

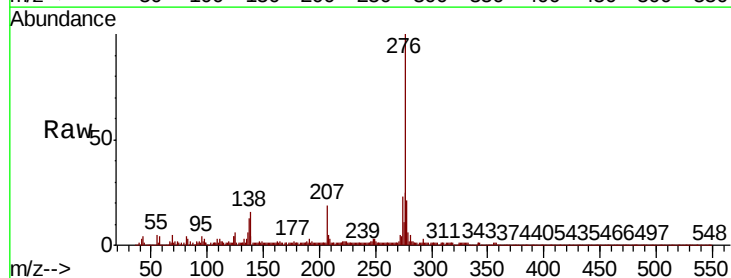
Tgt Ion:276 Resp: 2004843

Ion Ratio Lower Upper

276 100

138 20.3 17.8 26.6

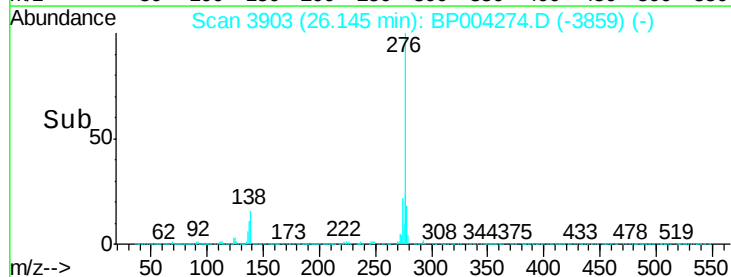
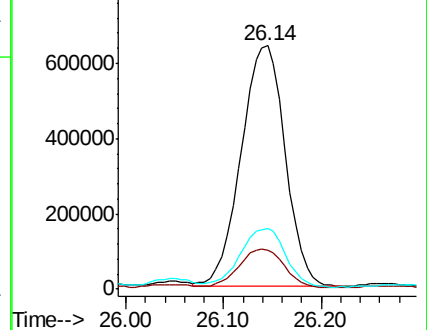
277 24.6 19.8 29.6

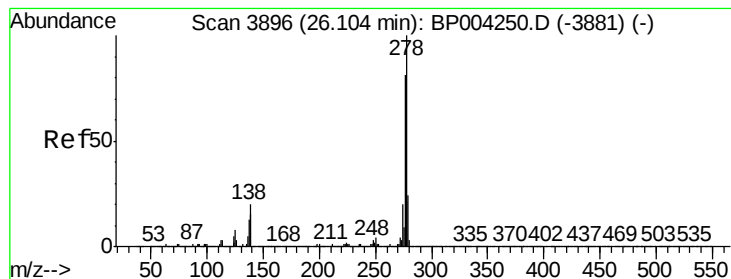


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 3.331 ng/ul

RT: 26.15 min Scan# 3904

Delta R.T. 0.05 min

Lab File: BP004274.D

Acq: 14 Dec 2020 15:11

Instrument :

BNA_P

ClientSampleId :

A54A1MS

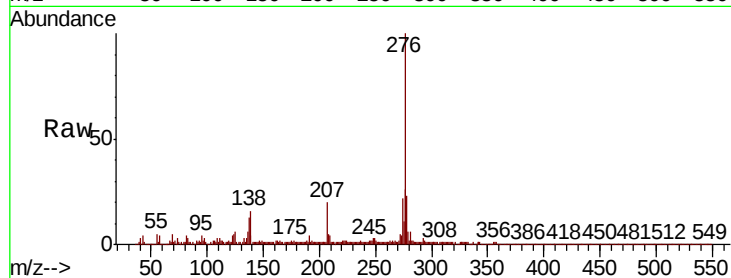
Tot Ion:278 Resp: 451051

Ion Ratio Lower Upper

278 100

139 19.5 11.9 17.9#

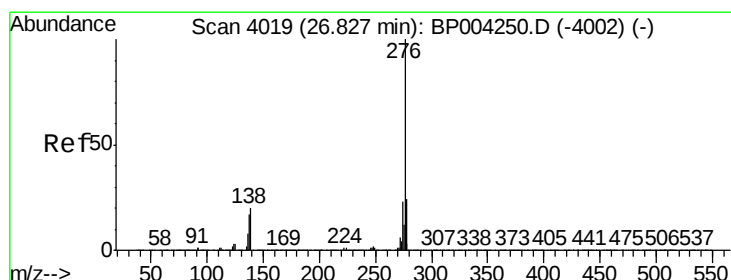
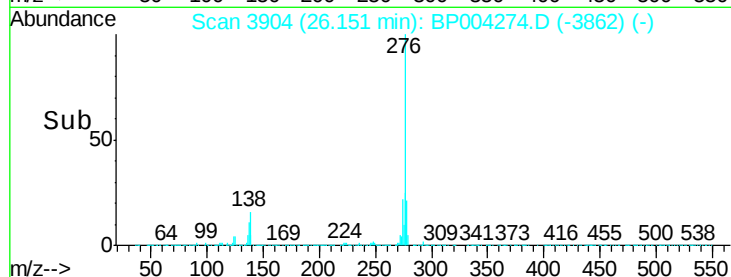
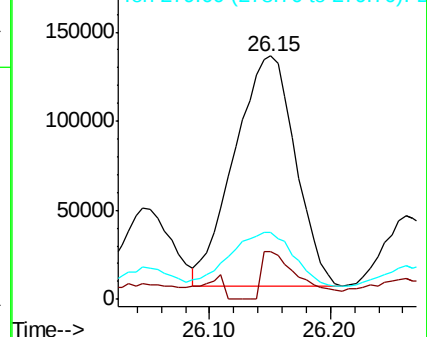
279 27.6 18.6 28.0



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: 12.154 ng/ul

RT: 26.89 min Scan# 4029

Delta R.T. 0.06 min

Lab File: BP004274.D

Acq: 14 Dec 2020 15:11

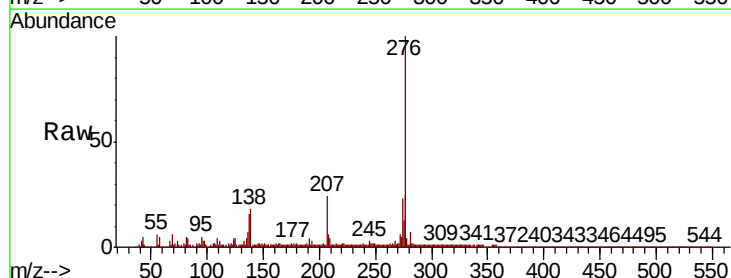
Tgt Ion:276 Resp: 1647381

Ion Ratio Lower Upper

276 100

138 17.6 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

