

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP121320\
 Data File : BP004259.D
 Acq On : 12 Dec 2020 15:09
 Operator : CG/JU
 Sample : L5000-02MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A54A1MS

Quant Time: Dec 14 01:01:56 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	7.83	152	294946	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1207446	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.48	164	763584	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.24	188	1672996	20.00	ng/ul	0.00
78) Chrysene-d12	21.33	240	1658927	20.00	ng/ul	0.01
86) Perylene-d12	23.70	264	1879405	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	24203	2.88	ng/uL	0.00
5) Phenol-d5	7.00	99	499295	20.46	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.16	67	265092	17.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	406484	21.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	385368	20.90	ng/ul	0.01
19) Nitrobenzene-d5	8.99	128	196392	19.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	204872	25.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	413666	23.07	ng/ul	0.01
29) 4-Chloroaniline-d4	10.76	131	373052	16.78	ng/ul	0.00
44) Dimethylphthalate-d6	13.89	166	1224125	20.98	ng/ul	0.00
47) Acenaphthylene-d8	14.17	160	1598790	21.46	ng/ul	0.01
52) 4-Nitrophenol-d4	14.67	143	188912	19.16	ng/ul	0.02
58) Fluorene-d10	15.48	176	1096827	20.75	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.60	200	25155	3.13	ng/ul	0.02
71) Anthracene-d10	17.34	188	1757074	21.55	ng/ul	0.00
79) Pyrene-d10	19.58	212	1987424	23.00	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.54	264	2215192	22.37	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	7.03	94	463410	18.190	ng/ul 99
10) 2-Chlorophenol	7.40	128	351779	18.120	ng/ul 96
15) N-Nitroso-di-n-propylamine	8.63	70	250837	17.763	ng/ul 99
33) 4-Chloro-3-methylphenol	11.91	107	374223	21.872	ng/ul 98
45) Dimethylphthalate	13.93	163	322316	5.422	ng/ul 99
50) Acenaphthene	14.55	153	938906	17.939	ng/ul 98
53) 4-Nitrophenol	14.69	109	131899	18.131	ng/ul 94
55) 2,4-Dinitrotoluene	14.85	165	282839	18.005	ng/ul 99
69) Pentachlorophenol	16.89	266	221972	20.688	ng/ul 98
70) Phenanthrene	17.29	178	1719452	17.421	ng/ul 100
72) Anthracene	17.37	178	206123	2.111	ng/ul 98
75) Carbazole	17.65	167	231349	2.911	ng/ul 99
77) Fluoranthene	19.26	202	4894005	46.438	ng/ul 97
80) Pyrene	19.61	202	5875347	52.504	ng/ul 98
83) Benzo(a)anthracene	21.32	228	1871470	17.115	ng/ul 96
85) Chrysene	21.37	228	2563837	23.900	ng/ul 97
88) Benzo(b)fluoranthene	22.98	252	3999867	33.560	ng/ul 98
89) Benzo(k)fluoranthene	22.98	252	3999867	32.678	ng/ul 97
91) Benzo(a)pyrene	23.59	252	2347034	21.103	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	26.12	276	2047121	14.677	ng/ul 95
93) Dibenzo(a,h)anthracene	26.13	278	460965	3.943	ng/ul# 88
94) Benzo(a,h,i)perylene	26.87	276	1711485	14.626	ng/ul 94

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

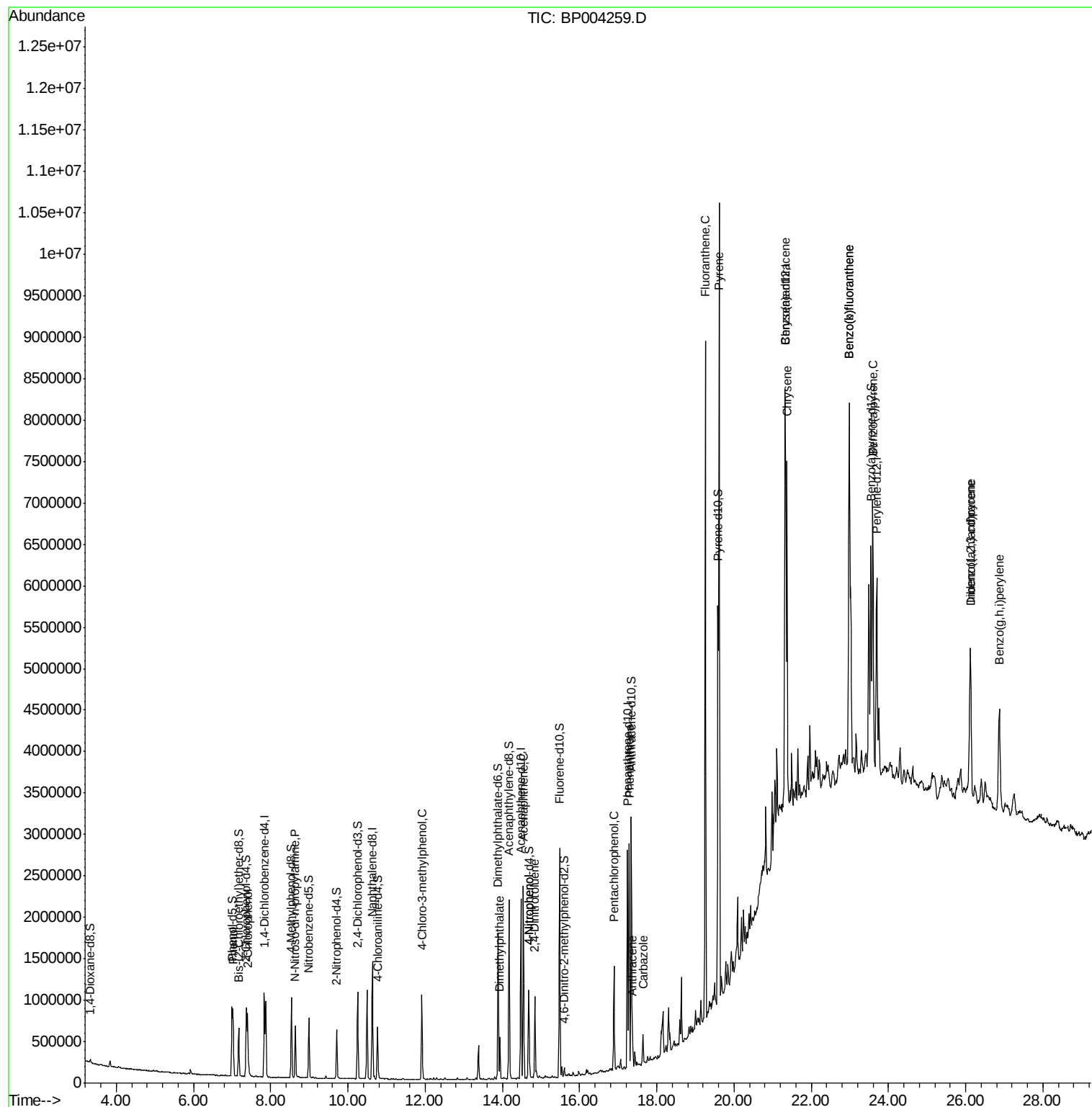
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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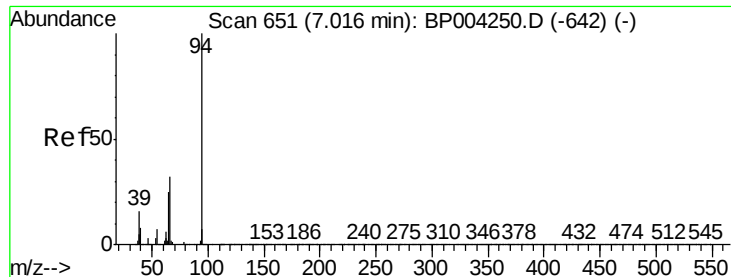
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#6

Phenol

Concen: 18.190 ng/ul

RT: 7.03 min Scan# 653

Delta R.T. 0.01 min

Lab File: BP004259.D

Acq: 12 Dec 2020 15:09

Instrument :

BNA_P

ClientSampleId :

A54A1MS

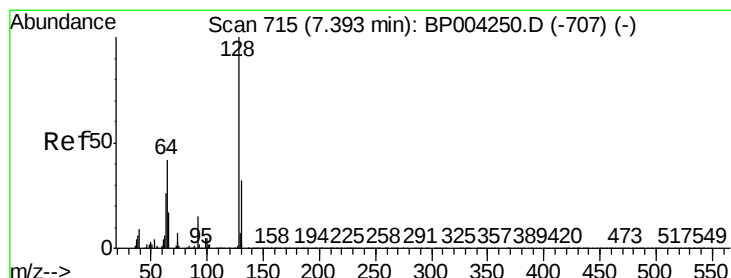
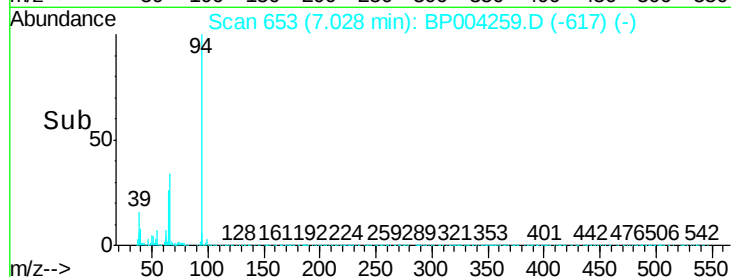
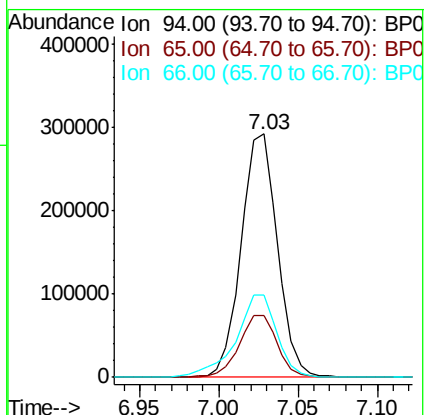
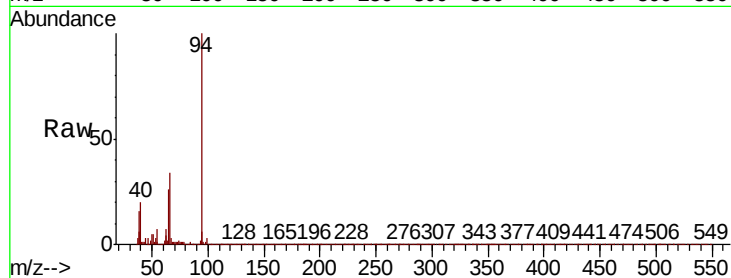
Tot Ion: 94 Resp: 463410

Ion Ratio Lower Upper

94 100

65 25.6 20.8 31.2

66 33.9 26.5 39.7



#10

2-Chlorophenol

Concen: 18.120 ng/ul

RT: 7.40 min Scan# 716

Delta R.T. 0.01 min

Lab File: BP004259.D

Acq: 12 Dec 2020 15:09

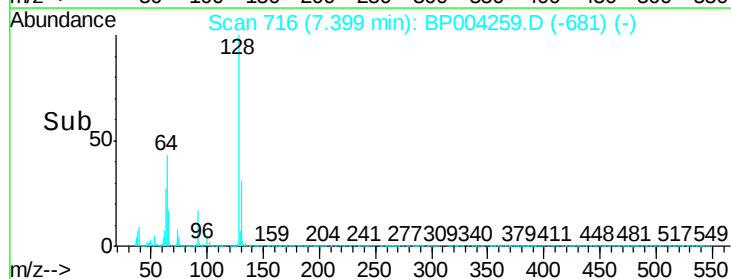
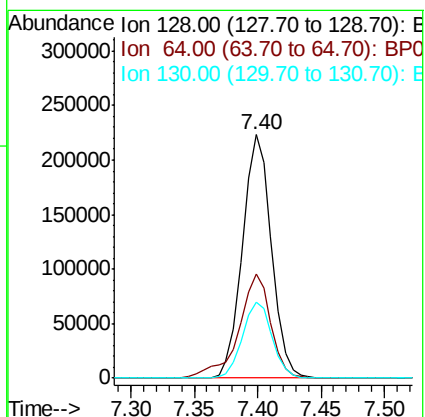
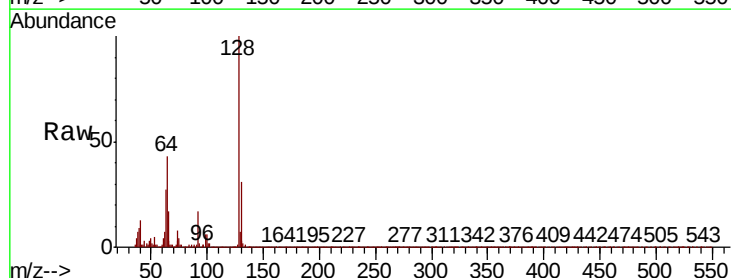
Tgt Ion: 128 Resp: 351779

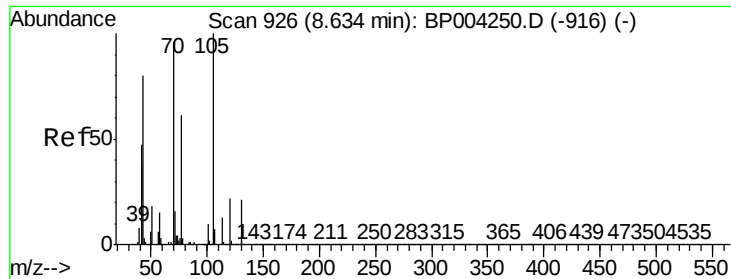
Ion Ratio Lower Upper

128 100

64 42.5 36.9 55.3

130 31.4 25.9 38.9

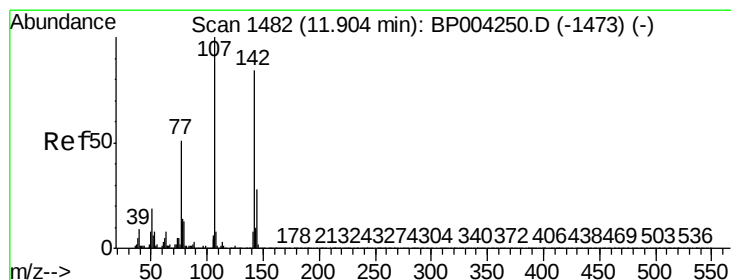
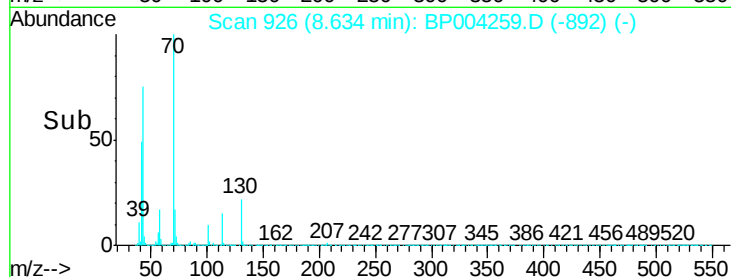
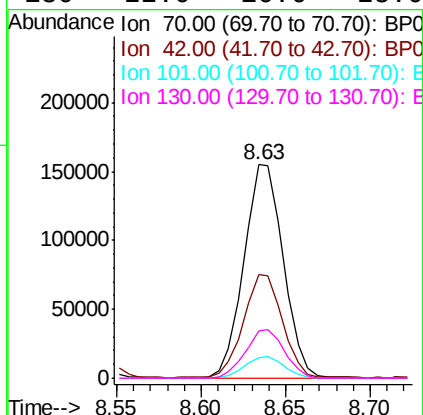
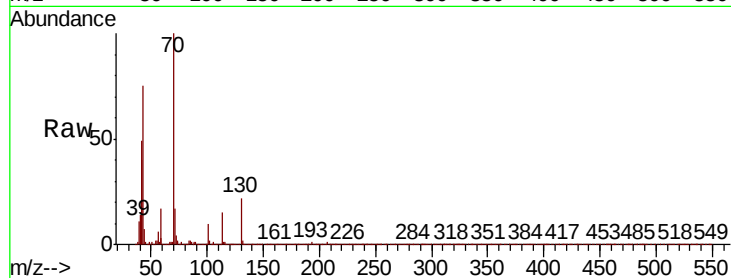




#15
N-Nitroso-di-n-propylamine
Concen: 17.763 ng/ul
RT: 8.63 min Scan# 926
Delta R.T. -0.00 min
Lab File: BP004259.D
Acq: 12 Dec 2020 15:09

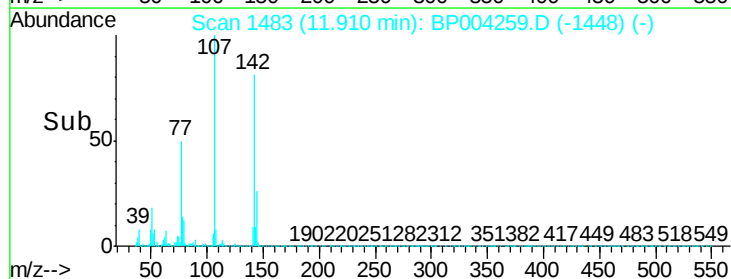
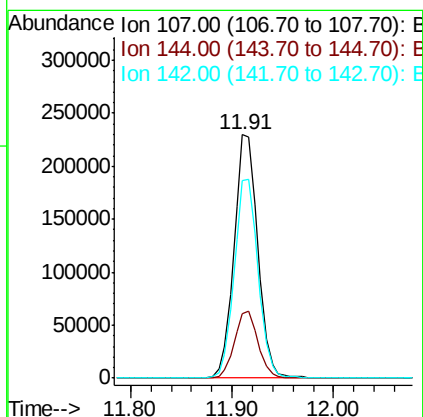
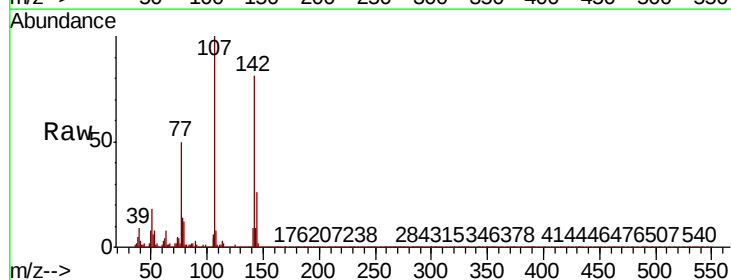
Instrument :
BNA_P
ClientSampleId :
A54A1MS

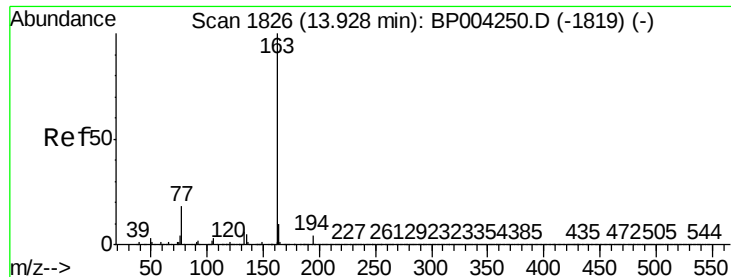
Tot Ion:	70	Resp:	250837
Ion	Ratio	Lower	Upper
70	100		
42	48.8	39.0	58.6
101	9.9	7.6	11.4
130	22.0	16.6	25.0



#33
4-Chloro-3-methylphenol
Concen: 21.872 ng/ul
RT: 11.91 min Scan# 1483
Delta R.T. 0.01 min
Lab File: BP004259.D
Acq: 12 Dec 2020 15:09

Tgt Ion:	107	Resp:	374223
Ion	Ratio	Lower	Upper
107	100		
144	26.4	22.0	33.0
142	81.2	66.2	99.2

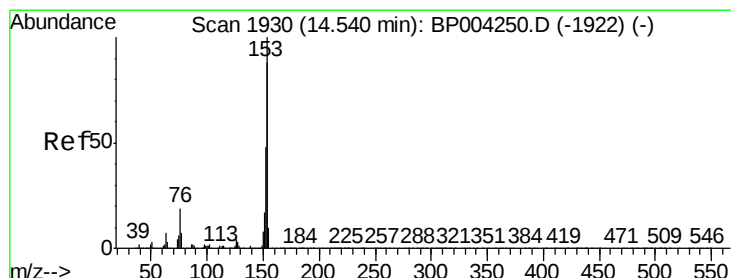
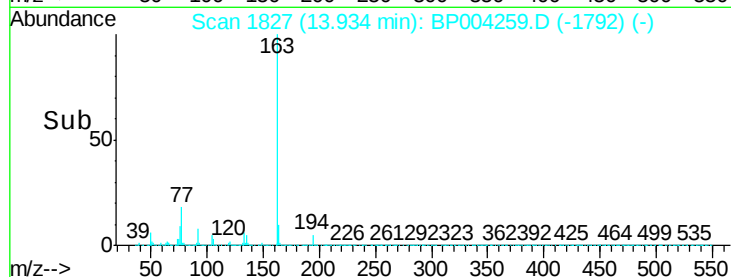
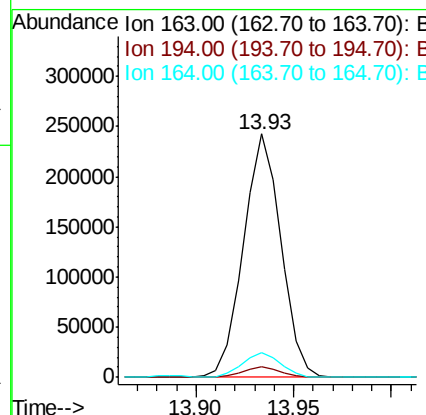
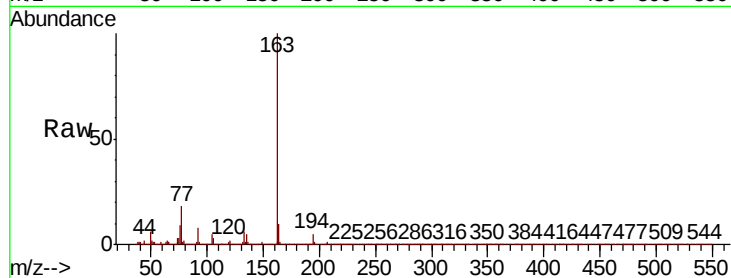




#45
Dimethylphthalate
Concen: 5.422 ng/ul
RT: 13.93 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BP004259.D
Acq: 12 Dec 2020 15:09

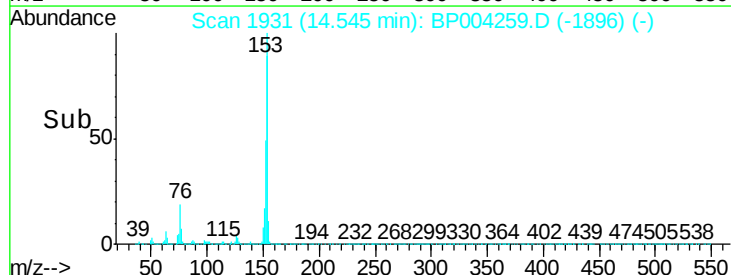
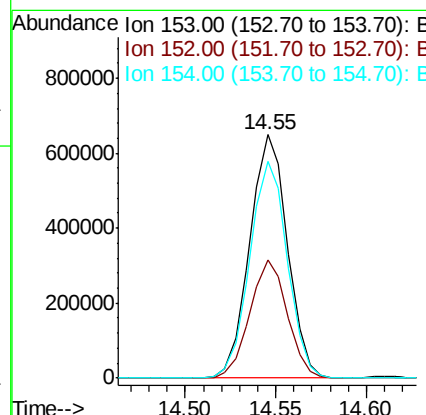
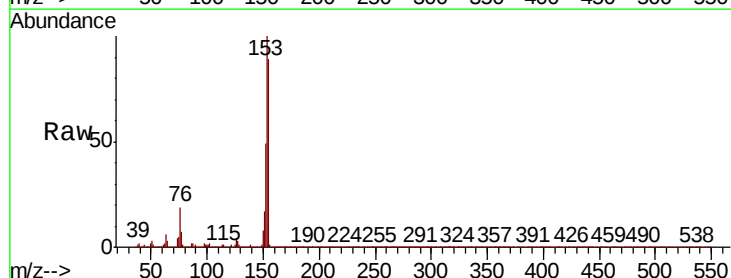
Instrument :
BNA_P
ClientSampleId :
A54A1MS

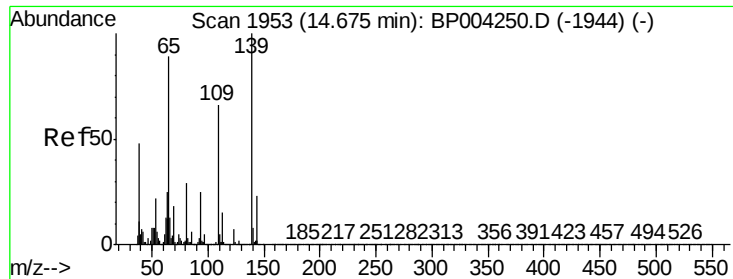
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	10.3	8.4	12.6



#50
Acenaphthene
Concen: 17.939 ng/ul
RT: 14.55 min Scan# 1931
Delta R.T. 0.01 min
Lab File: BP004259.D
Acq: 12 Dec 2020 15:09

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.7	37.8	56.6
154	89.1	69.8	104.8





#53

4-Nitrophenol

Concen: 18.131 ng/ul

RT: 14.69 min Scan# 1955

Delta R.T. 0.01 min

Lab File: BP004259.D

Acq: 12 Dec 2020 15:09

Instrument :

BNA_P

ClientSampleId :

A54A1MS

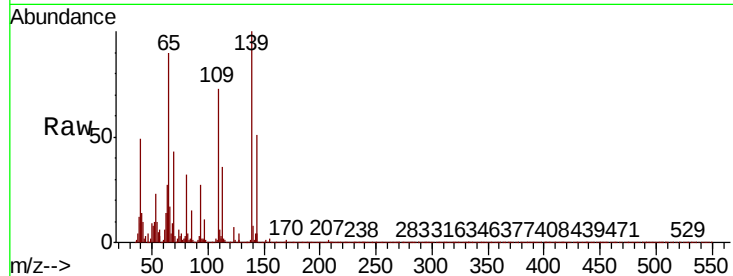
Tot Ion:109 Resp: 131899

Ion Ratio Lower Upper

109 100

139 136.9 113.5 170.3

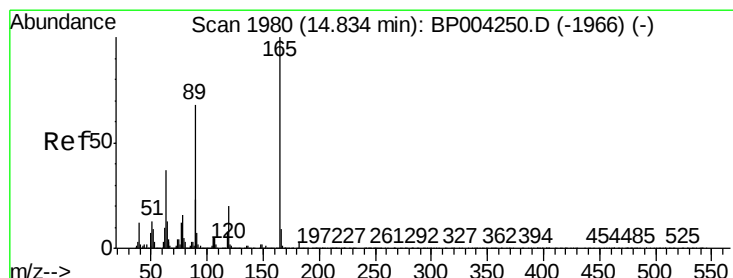
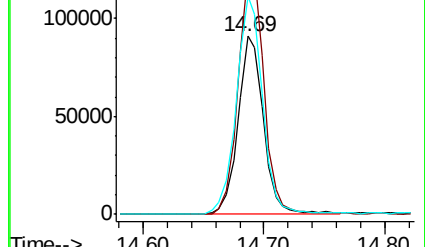
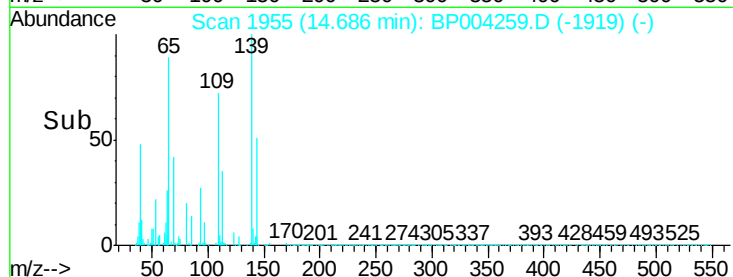
65 122.8 105.1 157.7



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BP0



#55

2,4-Dinitrotoluene

Concen: 18.005 ng/ul

RT: 14.85 min Scan# 1982

Delta R.T. 0.01 min

Lab File: BP004259.D

Acq: 12 Dec 2020 15:09

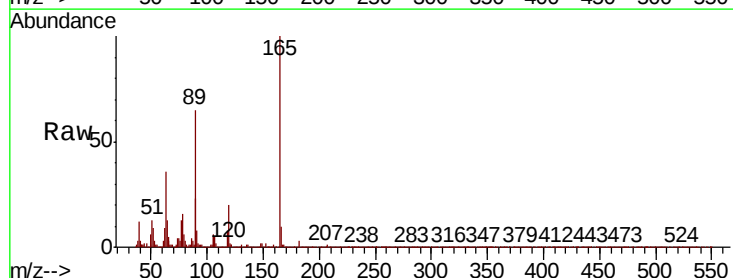
Tgt Ion:165 Resp: 282839

Ion Ratio Lower Upper

165 100

63 36.5 29.4 44.2

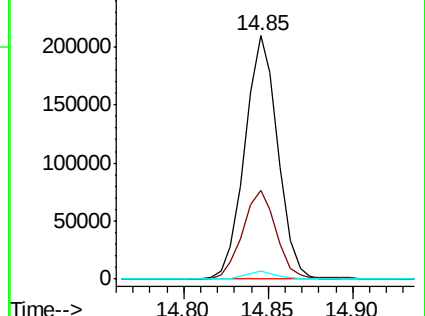
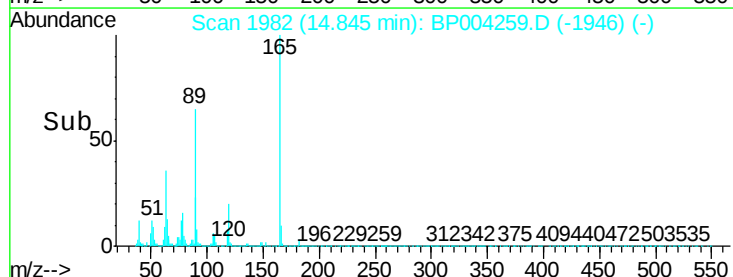
182 3.3 2.6 3.8

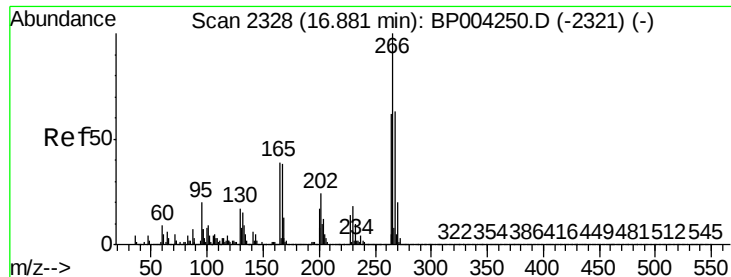


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 182.00 (181.70 to 182.70): E

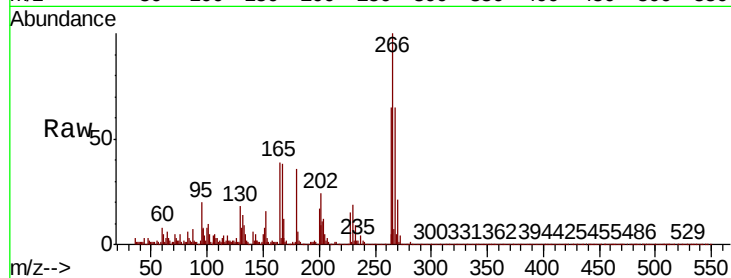




#69
 Pentachlorophenol
 Concen: 20.688 ng/ul
 RT: 16.89 min Scan# 2330
 Delta R.T. 0.01 min
 Lab File: BP004259.D
 Acq: 12 Dec 2020 15:09

Instrument :
 BNA_P
 ClientSampleId :
 A54A1MS

Tot Ion	Ratio	Lower	Upper
266	100		
264	65.4	49.8	74.6
268	64.7	52.0	78.0

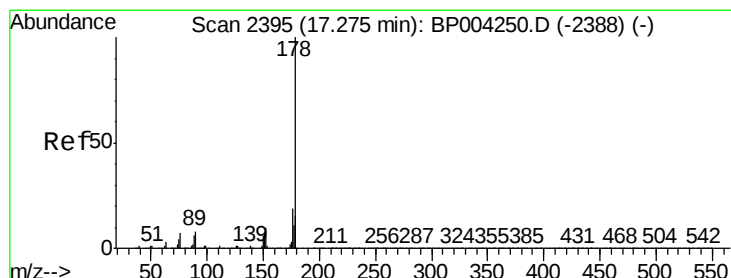
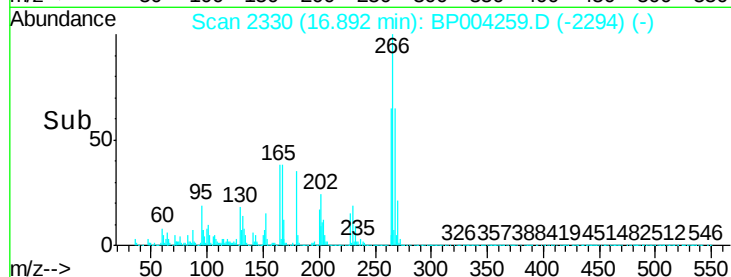
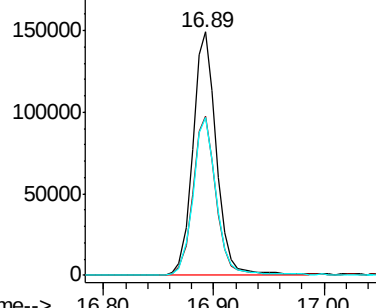


Abundance

Ion 265.70 (265.40 to 266.40): E

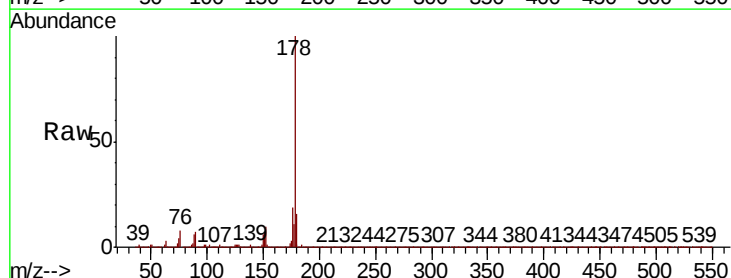
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#70
 Phenanthrene
 Concen: 17.421 ng/ul
 RT: 17.29 min Scan# 2397
 Delta R.T. 0.01 min
 Lab File: BP004259.D
 Acq: 12 Dec 2020 15:09

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6
176	19.1	15.4	23.0

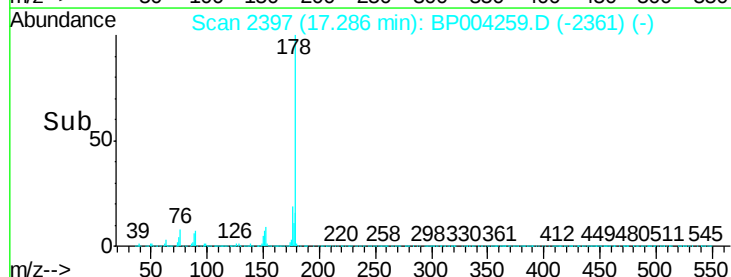
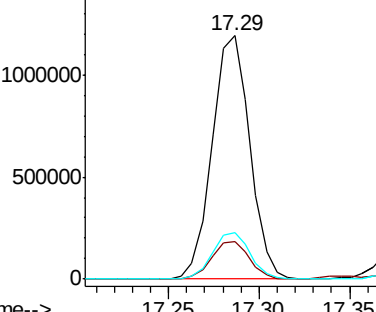


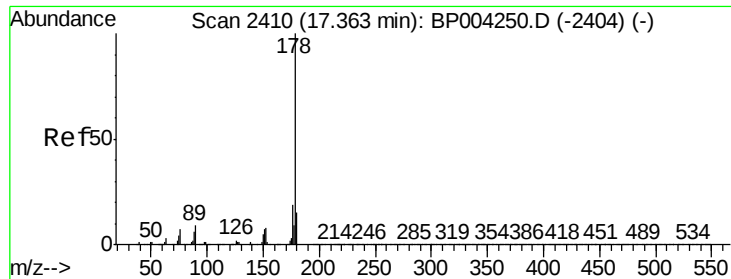
Abundance

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: 2.111 ng/ul

RT: 17.37 min Scan# 2412

Delta R.T. 0.01 min

Lab File: BP004259.D

Acq: 12 Dec 2020 15:09

Instrument :

BNA_P

ClientSampleId :

A54A1MS

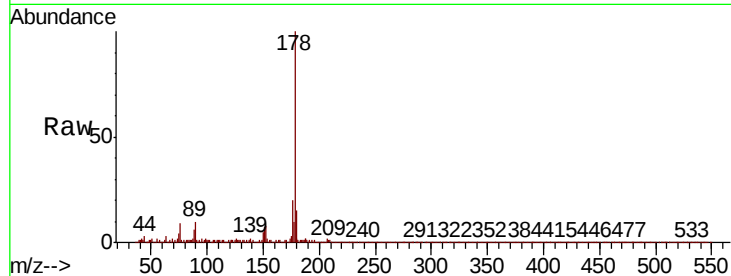
Tot Ion:178 Resp: 206123

Ion Ratio Lower Upper

178 100

179 15.0 12.3 18.5

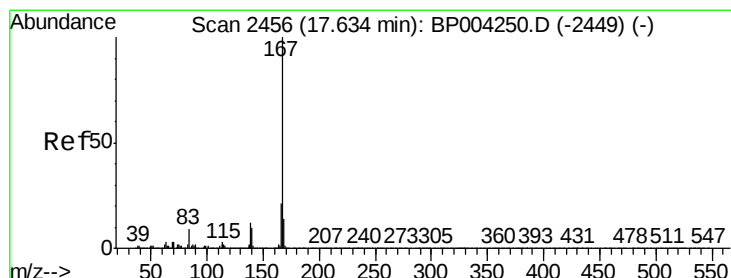
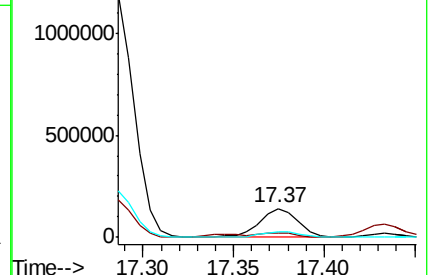
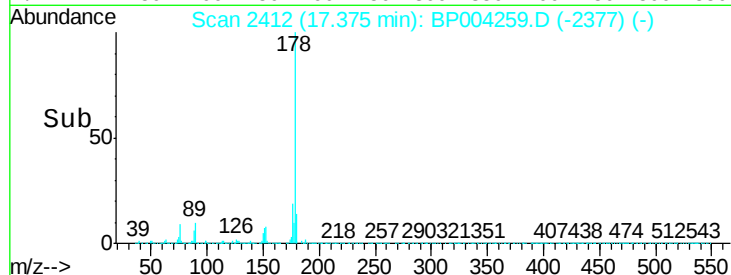
176 19.6 14.9 22.3



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: 2.911 ng/ul

RT: 17.65 min Scan# 2458

Delta R.T. 0.01 min

Lab File: BP004259.D

Acq: 12 Dec 2020 15:09

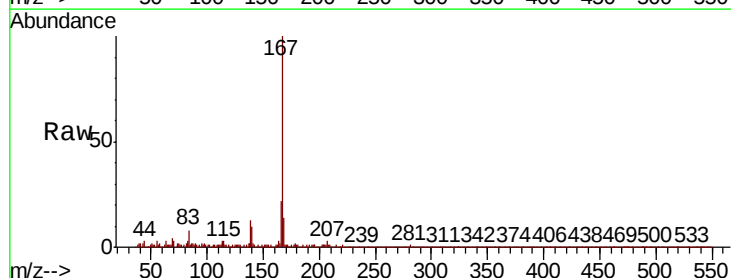
Tgt Ion:167 Resp: 231349

Ion Ratio Lower Upper

167 100

166 21.7 17.1 25.7

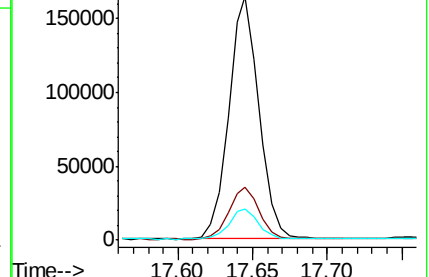
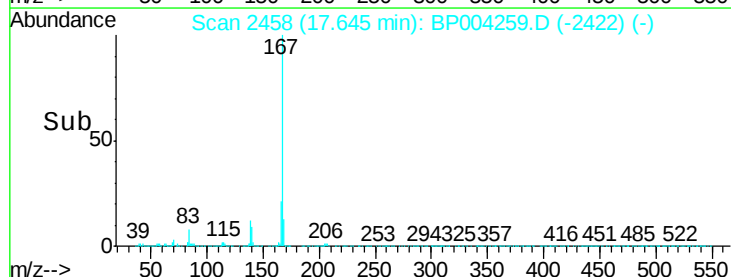
139 12.8 9.8 14.6

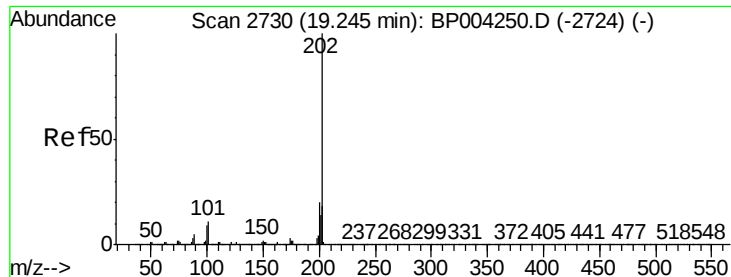


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

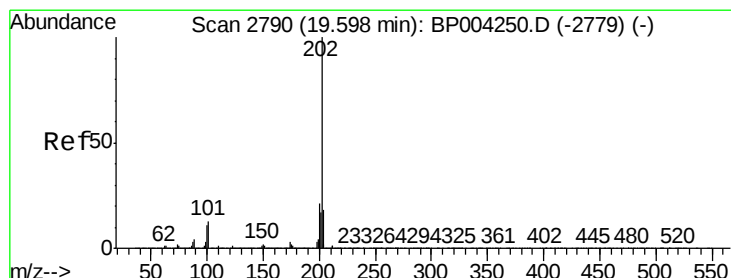
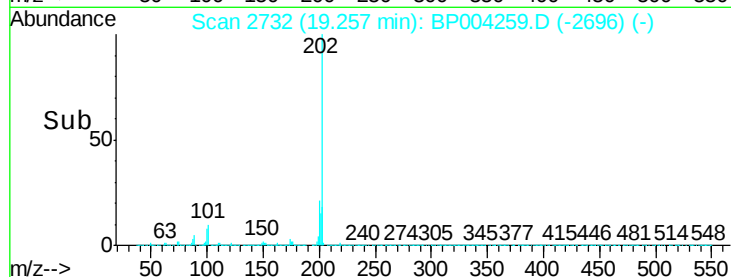
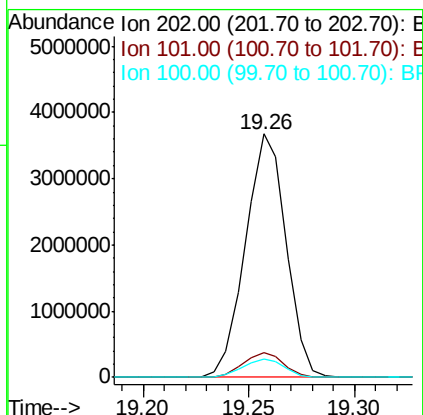
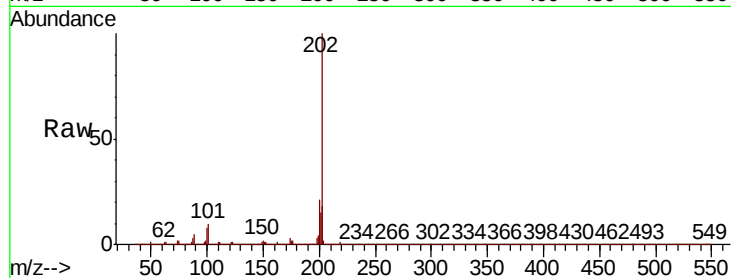




#77
Fluoranthene
Concen: 46.438 ng/ul
RT: 19.26 min Scan# 2732
Delta R.T. 0.01 min
Lab File: BP004259.D
Acq: 12 Dec 2020 15:09

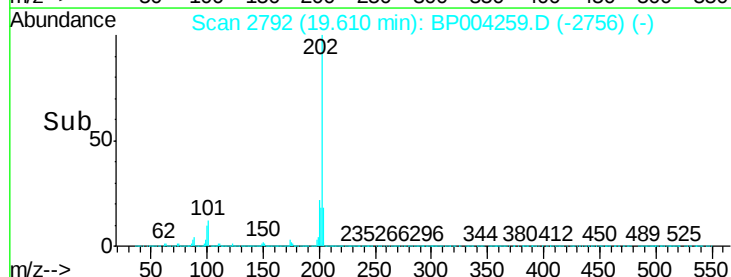
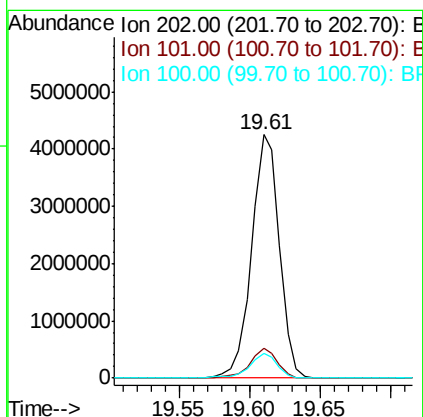
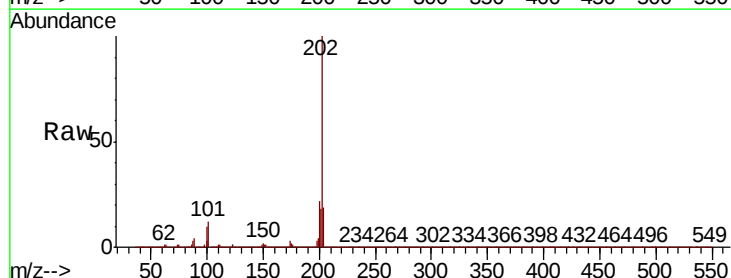
Instrument :
BNA_P
ClientSampleId :
A54A1MS

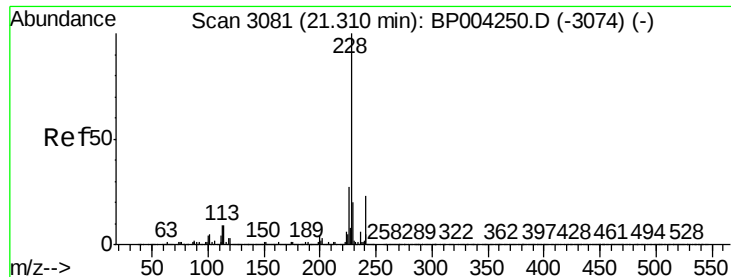
Tot Ion:202 Resp: 4894005
Ion Ratio Lower Upper
202 100
101 10.1 9.1 13.7
100 7.8 7.1 10.7



#80
Pyrene
Concen: 52.504 ng/ul
RT: 19.61 min Scan# 2792
Delta R.T. 0.01 min
Lab File: BP004259.D
Acq: 12 Dec 2020 15:09

Tgt Ion:202 Resp: 5875347
Ion Ratio Lower Upper
202 100
101 12.2 10.6 15.8
100 10.0 8.6 12.8





#83

Benzo(a)anthracene

Concen: 17.115 ng/ul

RT: 21.32 min Scan# 3083

Delta R.T. 0.01 min

Lab File: BP004259.D

Acq: 12 Dec 2020 15:09

Instrument :

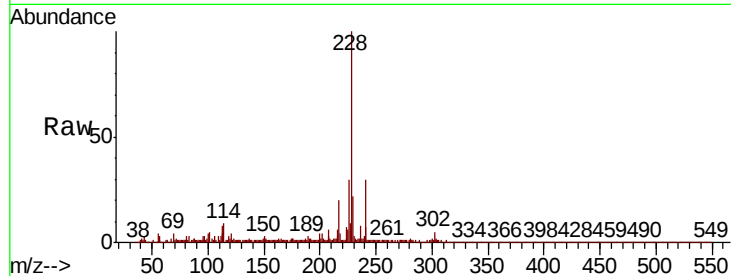
BNA_P

ClientSampleId :

A54A1MS

Tot Ion:228 Resp: 1871470

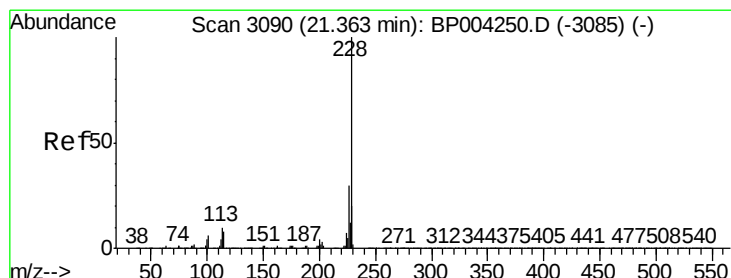
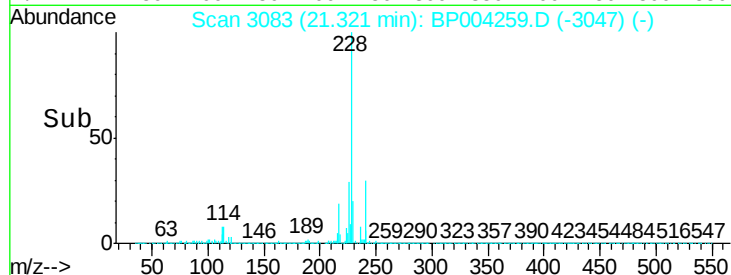
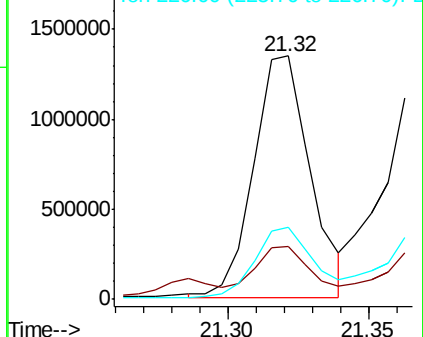
Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.8	23.8
226	29.6	21.7	32.5



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



#85

Chrysene

Concen: 23.900 ng/ul

RT: 21.37 min Scan# 3091

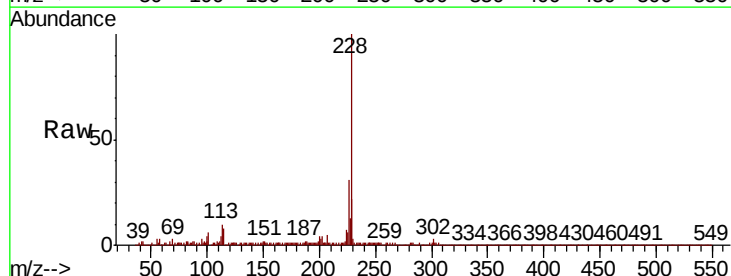
Delta R.T. 0.01 min

Lab File: BP004259.D

Acq: 12 Dec 2020 15:09

Tgt Ion:228 Resp: 2563837

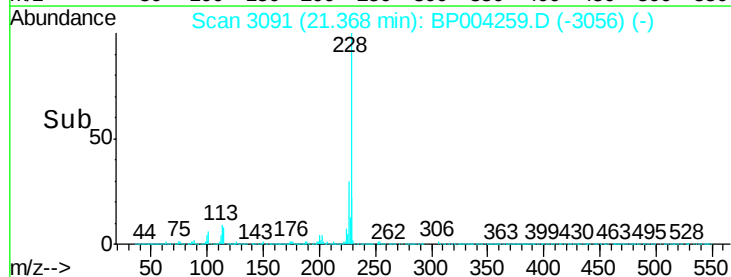
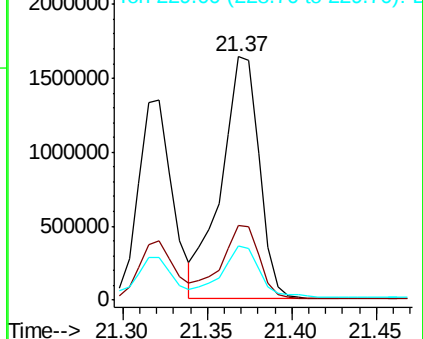
Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	22.3	15.8	23.8

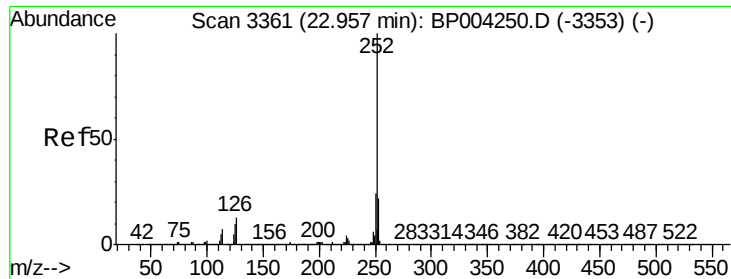


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 33.560 ng/u1

RT: 22.98 min Scan# 3365

Delta R.T. 0.02 min

Lab File: BP004259.D

Acq: 12 Dec 2020 15:09

Instrument :

BNA_P

ClientSampleId :

A54A1MS

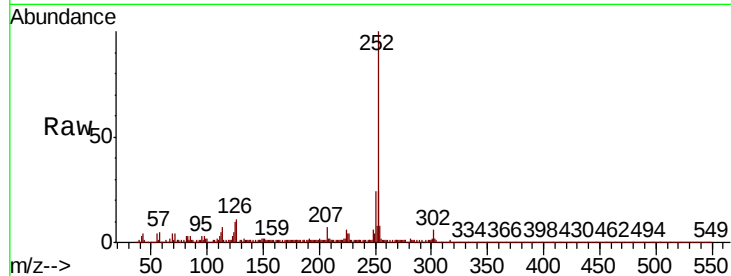
Tot Ion:252 Resp: 3999867

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

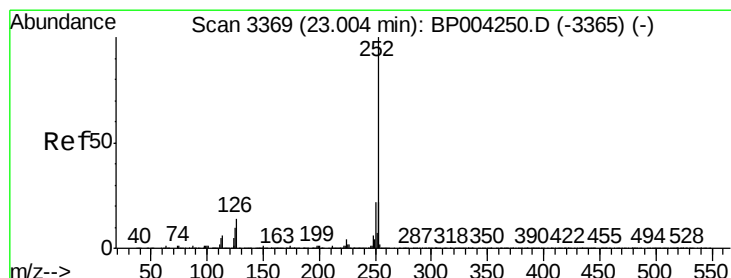
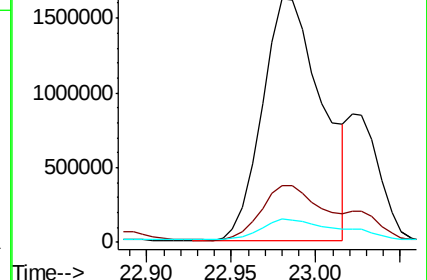
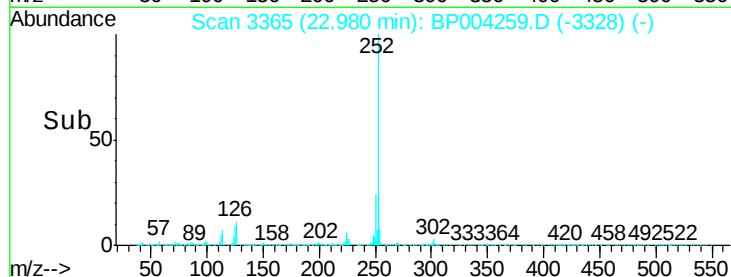
125 9.7 7.7 11.5



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: 32.678 ng/u1

RT: 22.98 min Scan# 3365

Delta R.T. -0.03 min

Lab File: BP004259.D

Acq: 12 Dec 2020 15:09

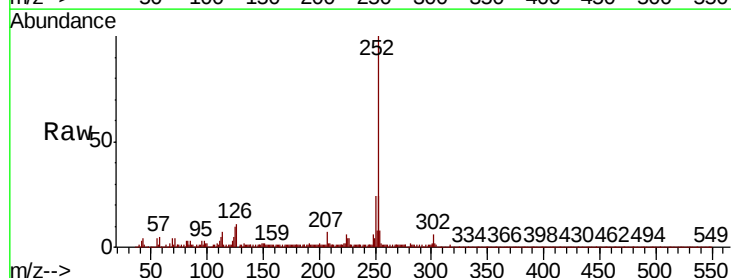
Tgt Ion:252 Resp: 3999867

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.2

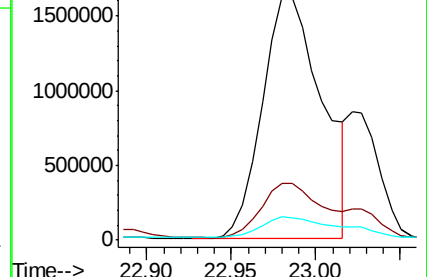
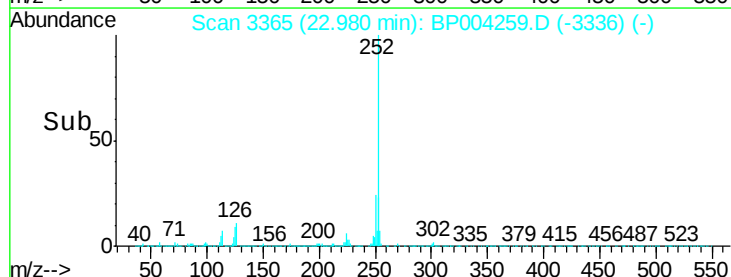
125 9.7 7.3 10.9

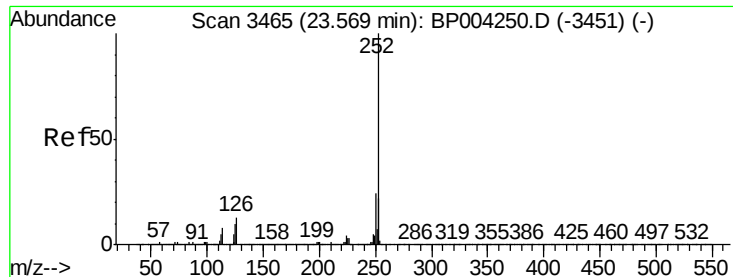


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 21.103 ng/ul

RT: 23.59 min Scan# 3469

Delta R.T. 0.02 min

Lab File: BP004259.D

Acq: 12 Dec 2020 15:09

Instrument :

BNA_P

ClientSampleId :

A54A1MS

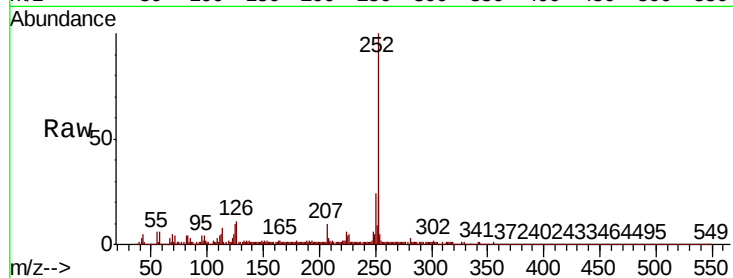
Tot Ion:252 Resp: 2347034

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

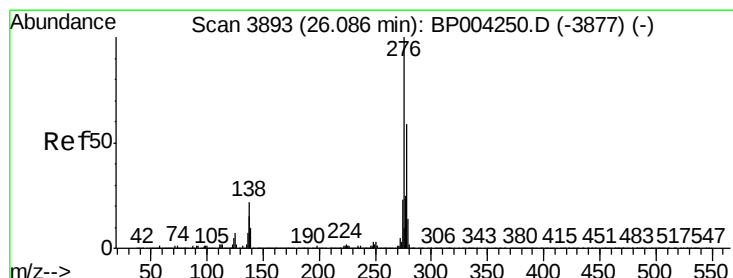
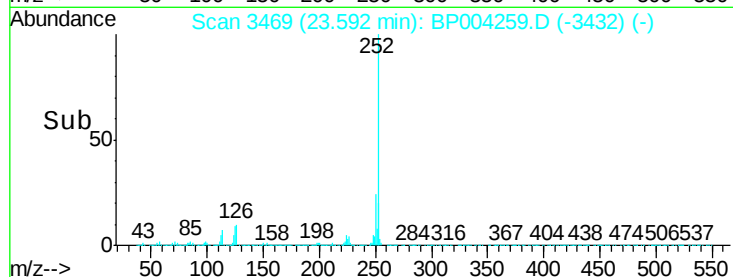
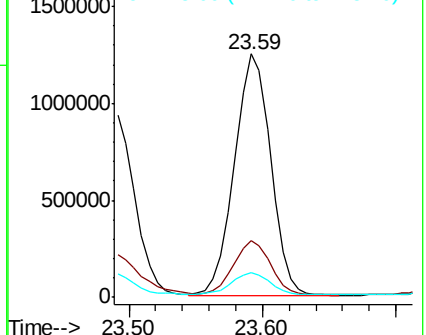
125 10.0 7.8 11.6



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: 14.677 ng/ul

RT: 26.12 min Scan# 3899

Delta R.T. 0.04 min

Lab File: BP004259.D

Acq: 12 Dec 2020 15:09

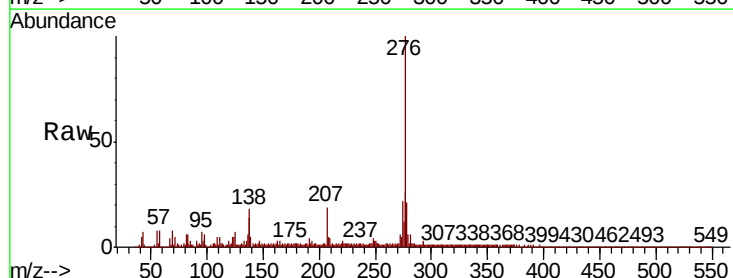
Tgt Ion:276 Resp: 2047121

Ion Ratio Lower Upper

276 100

138 18.3 17.8 26.6

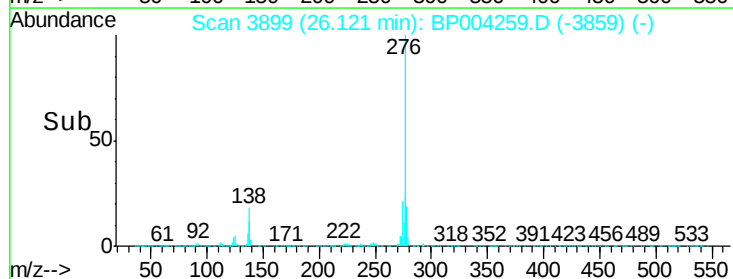
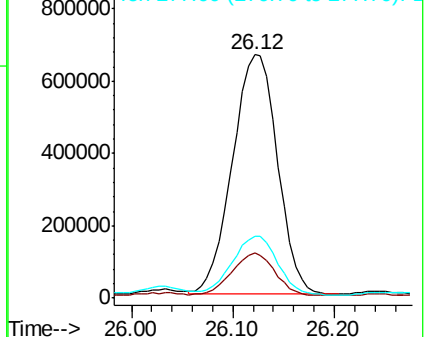
277 25.6 19.8 29.6

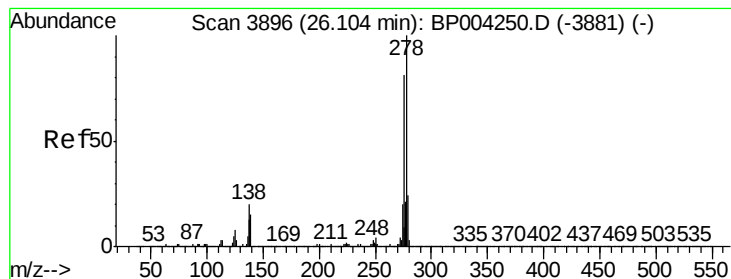


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 3.943 ng/ul

RT: 26.13 min Scan# 3901

Delta R.T. 0.03 min

Lab File: BP004259.D

Acq: 12 Dec 2020 15:09

Instrument :

BNA_P

ClientSampleId :

A54A1MS

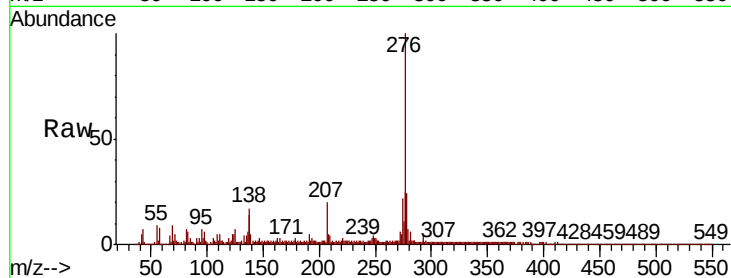
Tot Ion:278 Resp: 460965

Ion Ratio Lower Upper

278 100

139 20.6 11.9 17.9#

279 28.8 18.6 28.0#

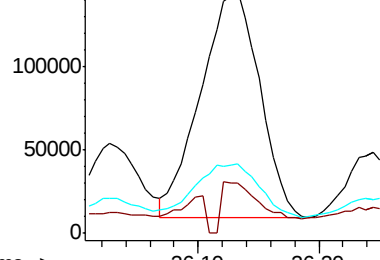


Abundance Ion 278.00 (277.70 to 278.70): E

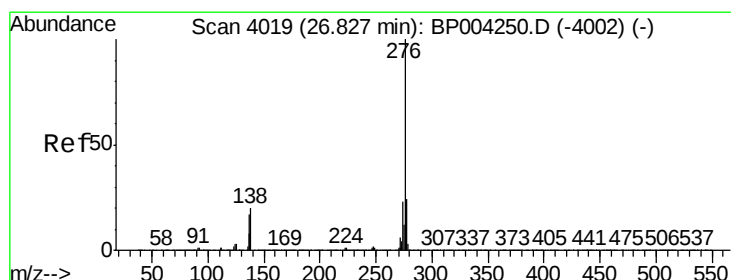
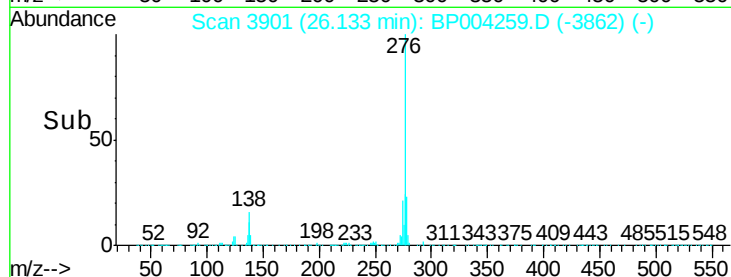
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

26.13



Time-->



#94

Benzo(g,h,i)perylene

Concen: 14.626 ng/ul

RT: 26.87 min Scan# 4026

Delta R.T. 0.04 min

Lab File: BP004259.D

Acq: 12 Dec 2020 15:09

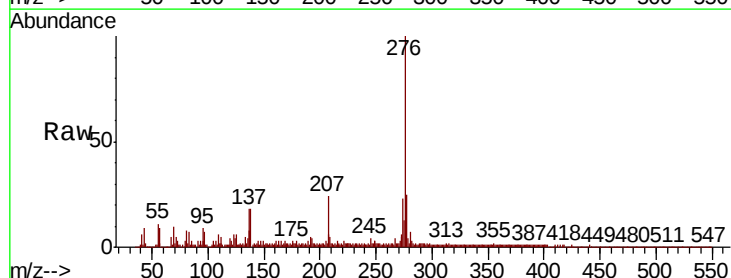
Tgt Ion:276 Resp: 1711485

Ion Ratio Lower Upper

276 100

138 17.8 16.6 25.0

277 25.4 18.5 27.7

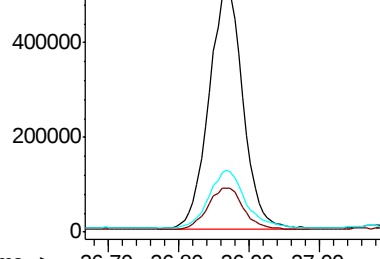


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

26.87



Time-->

