

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP121320\
 Data File : BP004260.D
 Acq On : 12 Dec 2020 15:43
 Operator : CG/JU
 Sample : L5000-03MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A54A1MSD

Quant Time: Dec 14 01:02:16 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	315016	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1291022	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.48	164	805913	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.24	188	1762894	20.00	ng/ul	0.00
78) Chrysene-d12	21.33	240	1751020	20.00	ng/ul	0.01
86) Perylene-d12	23.70	264	1973187	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	25284	2.82	ng/uL	0.00
5) Phenol-d5	7.00	99	522140	20.04	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.17	67	277532	17.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	423213	21.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	401531	20.39	ng/ul	0.01
19) Nitrobenzene-d5	8.99	128	207744	19.65	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	213689	24.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	432413	22.55	ng/ul	0.01
29) 4-Chloroaniline-d4	10.76	131	392452	16.51	ng/ul	0.00
44) Dimethylphthalate-d6	13.89	166	1267723	20.58	ng/ul	0.00
47) Acenaphthylene-d8	14.17	160	1675820	21.32	ng/ul	0.01
52) 4-Nitrophenol-d4	14.67	143	196003	18.84	ng/ul	0.02
58) Fluorene-d10	15.48	176	1144604	20.52	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.60	200	27398	3.24	ng/ul	0.02
71) Anthracene-d10	17.34	188	1841949	21.44	ng/ul	0.00
79) Pyrene-d10	19.58	212	2065295	22.64	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.55	264	2311157	22.23	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	7.03	94	487098	17.902	ng/ul 99
10) 2-Chlorophenol	7.40	128	365366	17.621	ng/ul 97
15) N-Nitroso-di-n-propylamine	8.64	70	264683	17.549	ng/ul 96
33) 4-Chloro-3-methylphenol	11.92	107	384771	21.033	ng/ul 99
45) Dimethylphthalate	13.93	163	332937	5.307	ng/ul 100
50) Acenaphthene	14.55	153	980835	17.756	ng/ul 98
53) 4-Nitrophenol	14.69	109	133639	17.405	ng/ul 93
55) 2,4-Dinitrotoluene	14.85	165	295847	17.844	ng/ul 97
69) Pentachlorophenol	16.89	266	227074	20.084	ng/ul 100
70) Phenanthrene	17.29	178	1786026	17.173	ng/ul 100
72) Anthracene	17.37	178	214604	2.086	ng/ul 99
75) Carbazole	17.65	167	244491	2.920	ng/ul 99
77) Fluoranthene	19.26	202	5079808	45.743	ng/ul 97
80) Pyrene	19.61	202	6155022	52.110	ng/ul 98
83) Benzo(a)anthracene	21.32	228	1997314	17.305	ng/ul 96
85) Chrysene	21.37	228	2661763	23.508	ng/ul 97
88) Benzo(b)fluoranthene	22.98	252	3902953	31.190	ng/ul 98
89) Benzo(k)fluoranthene	22.98	252	3902953	30.370	ng/ul 98
91) Benzo(a)pyrene	23.59	252	2448341	20.967	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	26.13	276	2128463	14.535	ng/ul# 94
93) Dibenzo(a,h)anthracene	26.13	278	482068	3.928	ng/ul# 87
94) Benzo(a,h,i)perylene	26.87	276	1767380	14.386	ng/ul 96

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QLast Update : Thu Dec 10 13:52:32 2020
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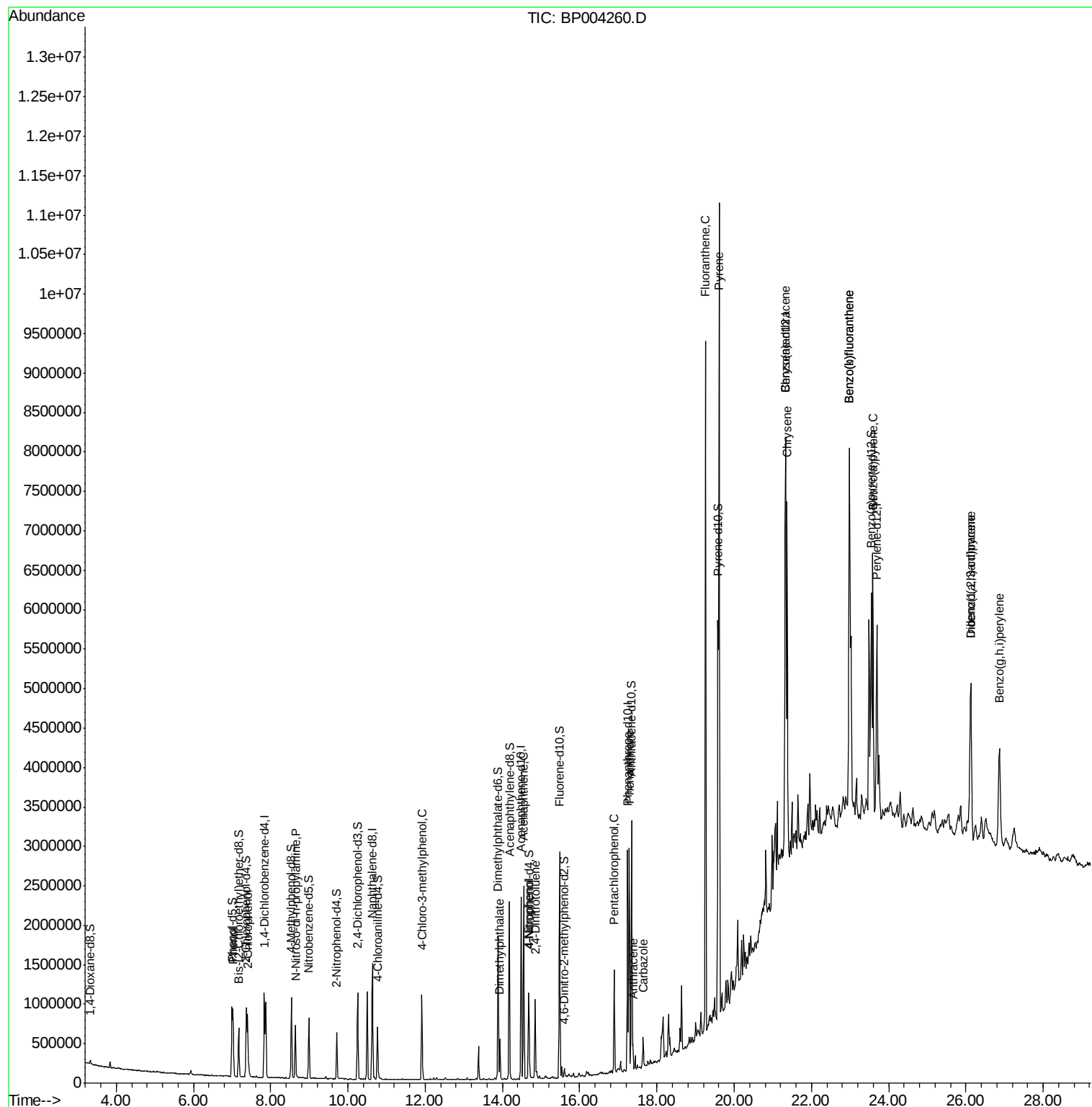
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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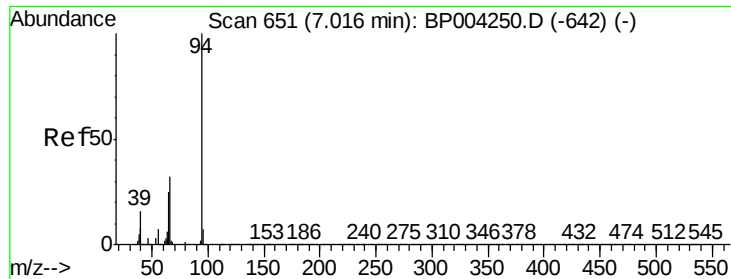
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 17.902 ng/ul

RT: 7.03 min Scan# 653

Delta R.T. 0.01 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

Instrument :

BNA_P

ClientSampleId :

A54A1MSD

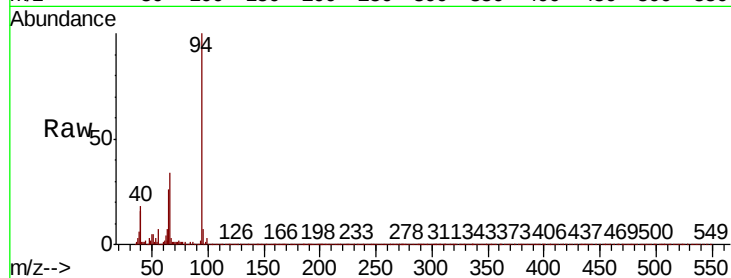
Tot Ion: 94 Resp: 487098

Ion Ratio Lower Upper

94 100

65 26.1 20.8 31.2

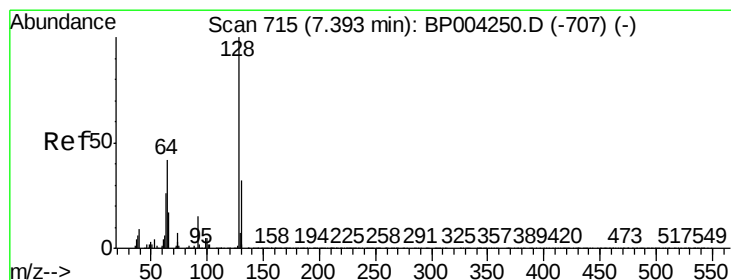
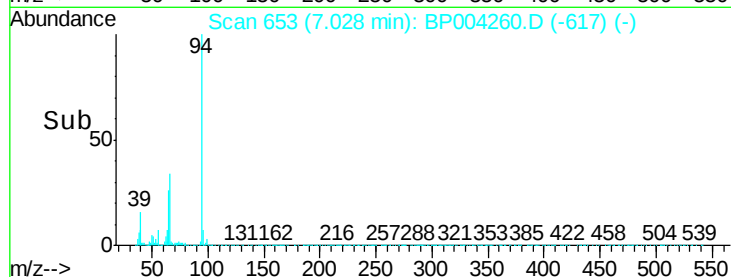
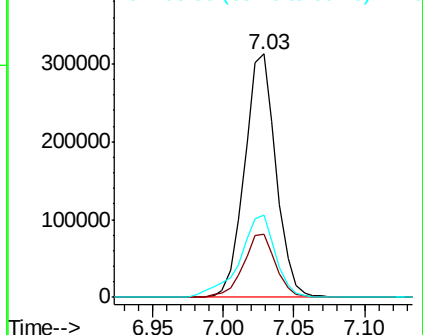
66 33.6 26.5 39.7



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



#10

2-Chlorophenol

Concen: 17.621 ng/ul

RT: 7.40 min Scan# 716

Delta R.T. 0.01 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

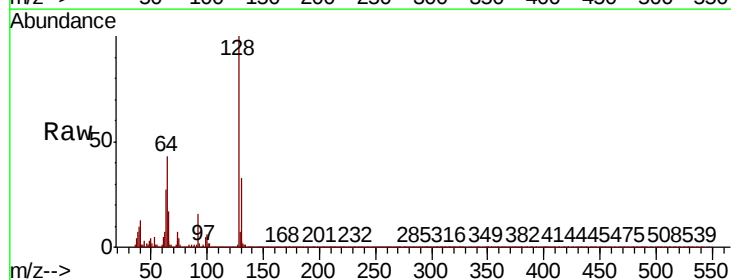
Tgt Ion: 128 Resp: 365366

Ion Ratio Lower Upper

128 100

64 43.2 36.9 55.3

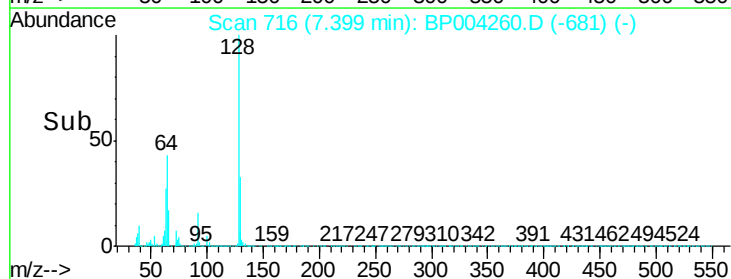
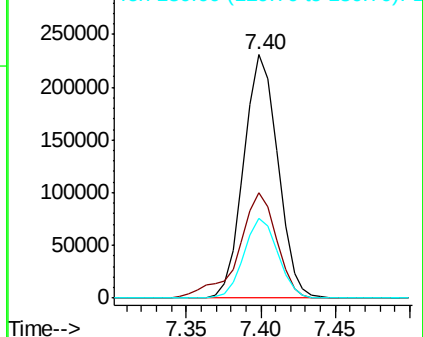
130 32.7 25.9 38.9

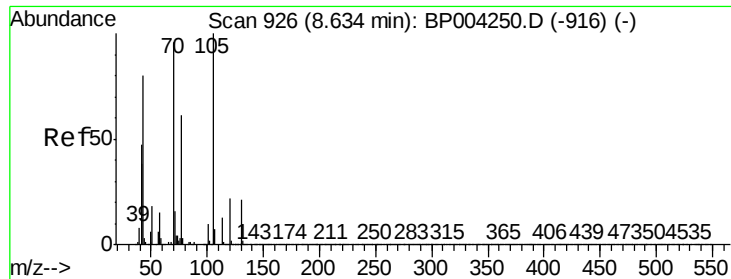


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 130.00 (129.70 to 130.70): E

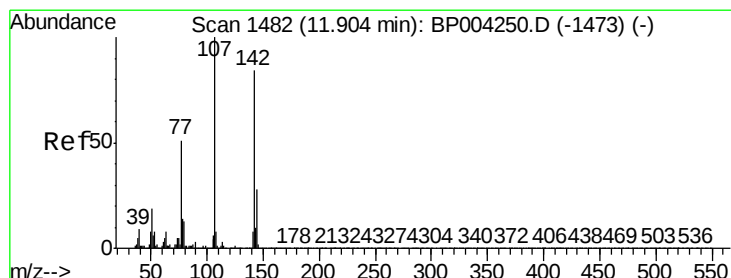
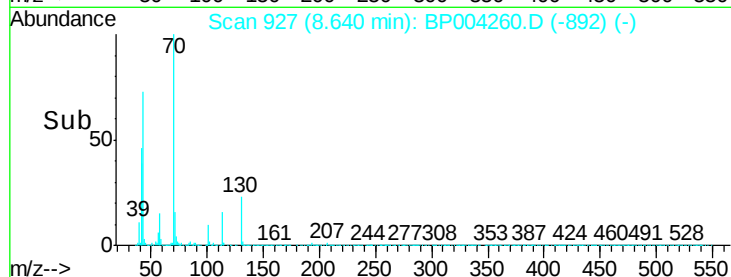
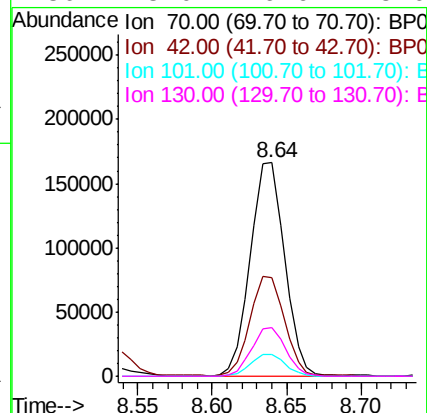
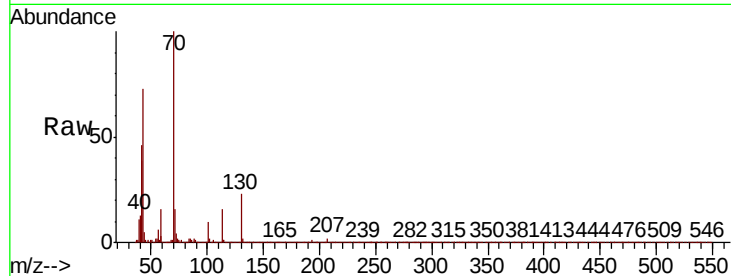




#15
N-Nitroso-di-n-propylamine
Concen: 17.549 ng/ul
RT: 8.64 min Scan# 927
Delta R.T. 0.01 min
Lab File: BP004260.D
Acq: 12 Dec 2020 15:43

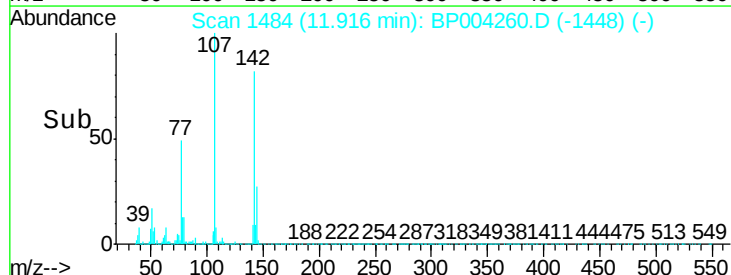
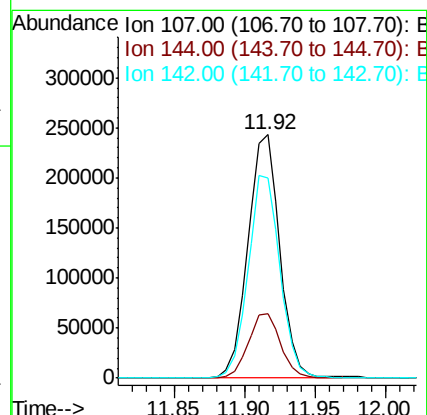
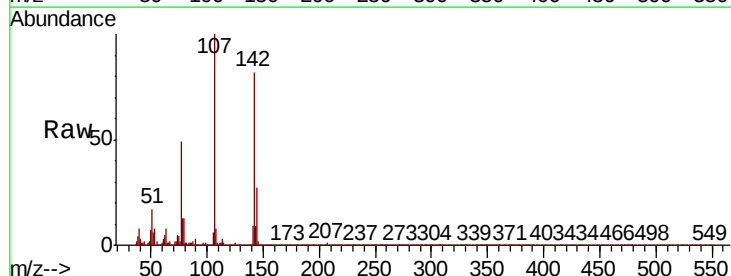
Instrument :
BNA_P
ClientSampleId :
A54A1MSD

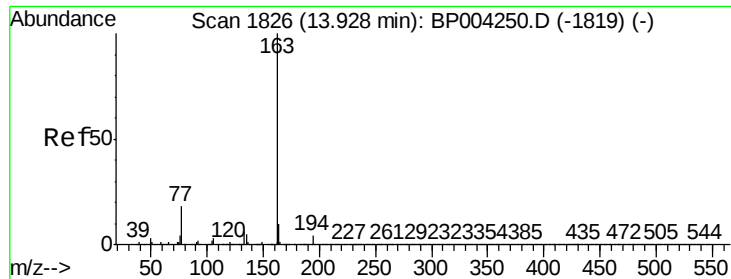
Tot Ion:	70	Resp:	264683
Ion	Ratio	Lower	Upper
70	100		
42	46.4	39.0	58.6
101	10.4	7.6	11.4
130	23.0	16.6	25.0



#33
4-Chloro-3-methylphenol
Concen: 21.033 ng/ul
RT: 11.92 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BP004260.D
Acq: 12 Dec 2020 15:43

Tgt Ion:	107	Resp:	384771
Ion	Ratio	Lower	Upper
107	100		
144	26.5	22.0	33.0
142	82.0	66.2	99.2

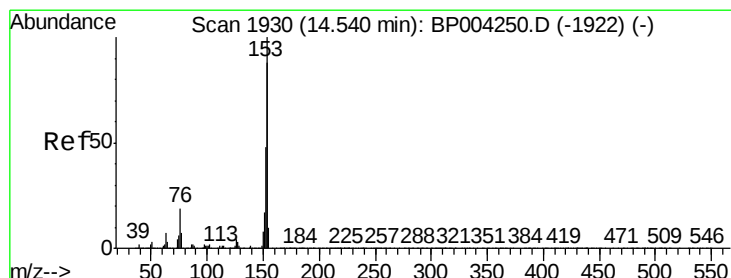
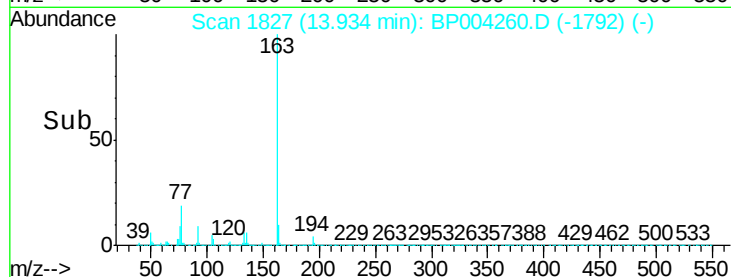
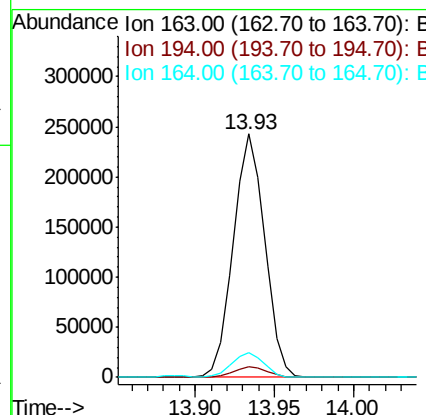
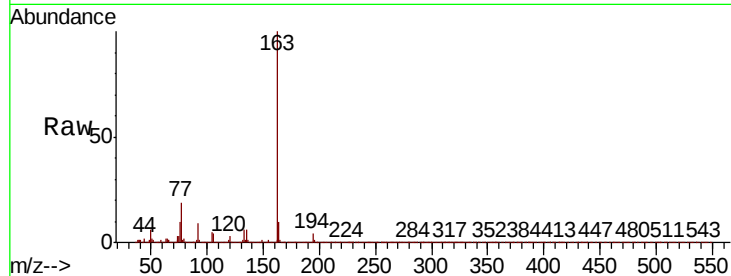




#45
Dimethylphthalate
Concen: 5.307 ng/ul
RT: 13.93 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BP004260.D
Acq: 12 Dec 2020 15:43

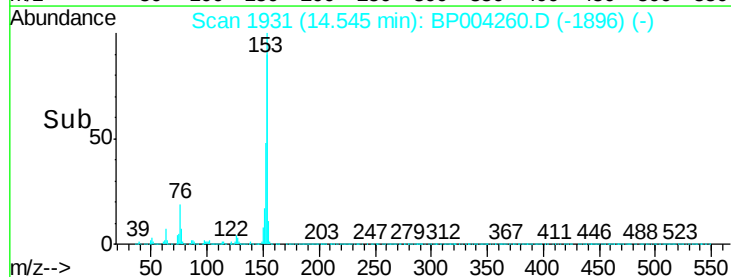
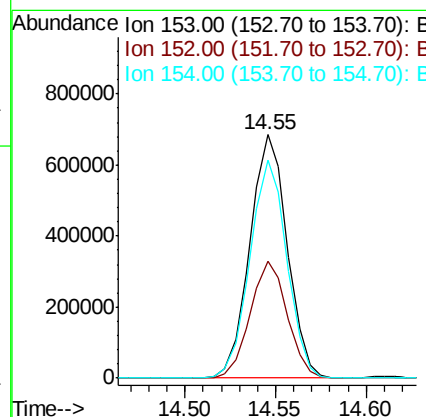
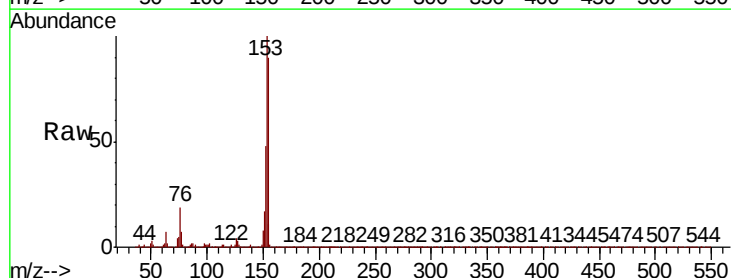
Instrument :
BNA_P
ClientSampleId :
A54A1MSD

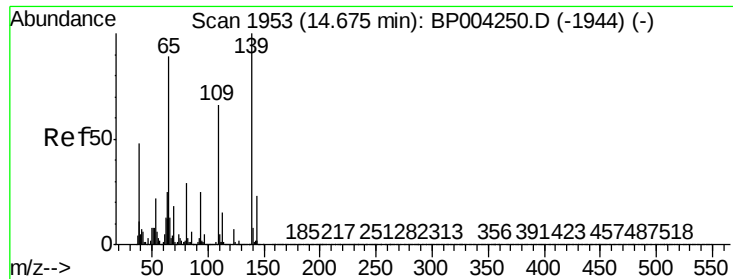
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.4	8.4	12.6



#50
Acenaphthene
Concen: 17.756 ng/ul
RT: 14.55 min Scan# 1931
Delta R.T. 0.01 min
Lab File: BP004260.D
Acq: 12 Dec 2020 15:43

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.8	37.8	56.6
154	89.6	69.8	104.8





#53

4-Nitrophenol

Concen: 17.405 ng/ul

RT: 14.69 min Scan# 1956

Delta R.T. 0.02 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

Instrument :

BNA_P

ClientSampleId :

A54A1MSD

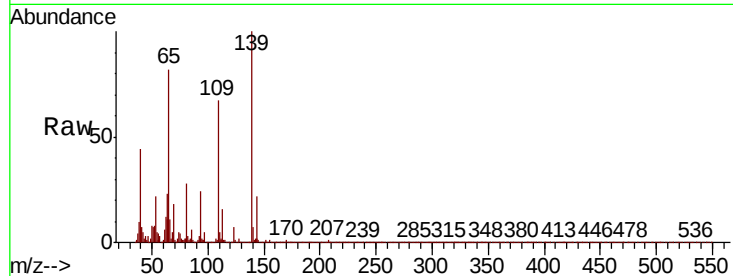
Tot Ion:109 Resp: 133639

Ion Ratio Lower Upper

109 100

139 149.5 113.5 170.3

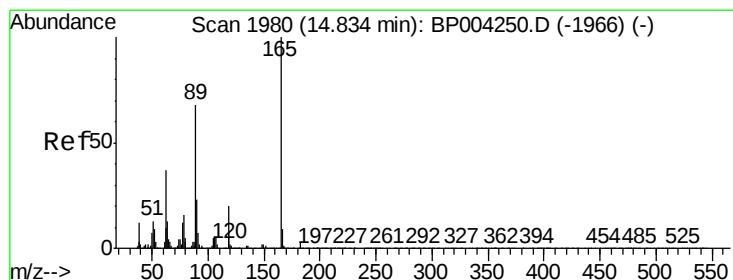
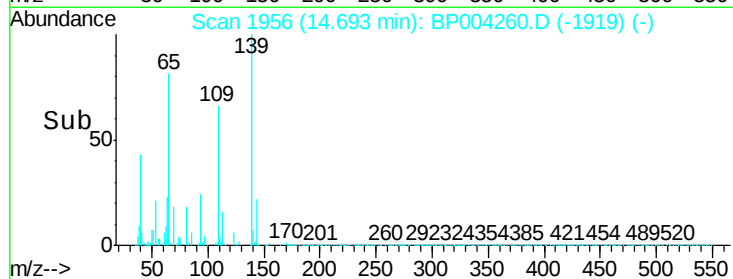
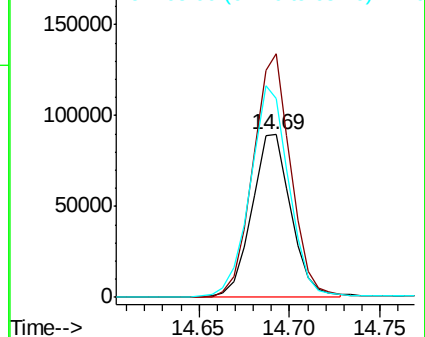
65 122.4 105.1 157.7



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: 17.844 ng/ul

RT: 14.85 min Scan# 1982

Delta R.T. 0.01 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

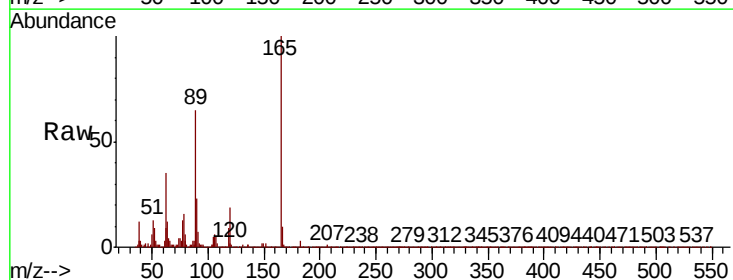
Tgt Ion:165 Resp: 295847

Ion Ratio Lower Upper

165 100

63 35.1 29.4 44.2

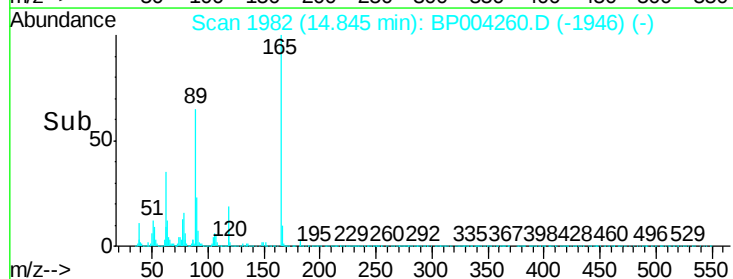
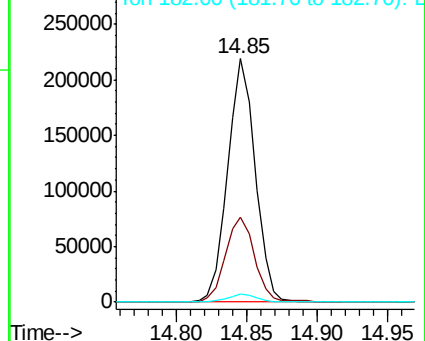
182 3.3 2.6 3.8

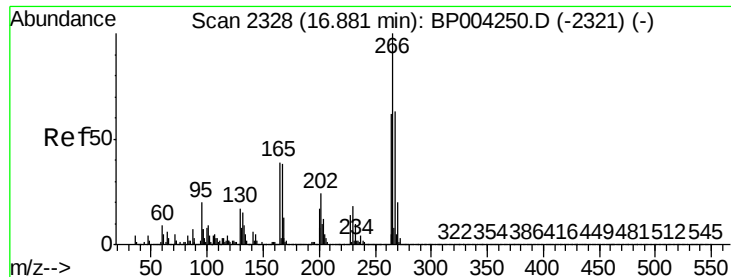


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 182.00 (181.70 to 182.70): E





#69

Pentachlorophenol

Concen: 20.084 ng/ul

RT: 16.89 min Scan# 2330

Delta R.T. 0.01 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

Instrument :

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ClientSampleId :

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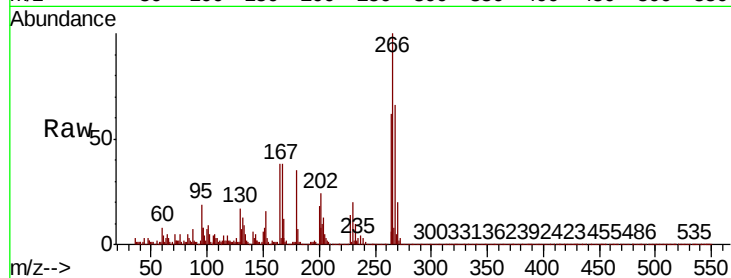
Tot Ion:266 Resp: 227074

Ion Ratio Lower Upper

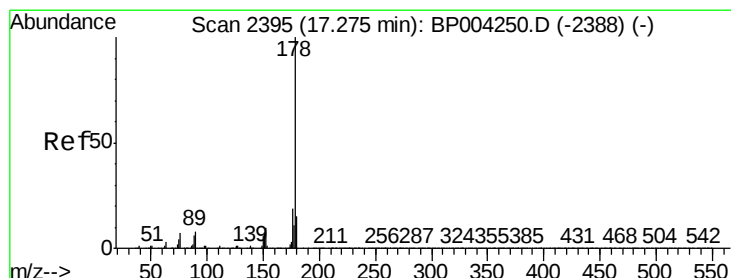
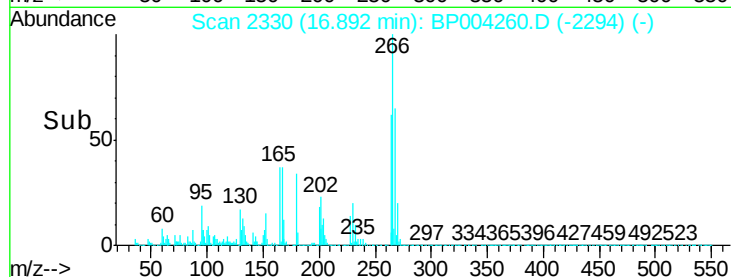
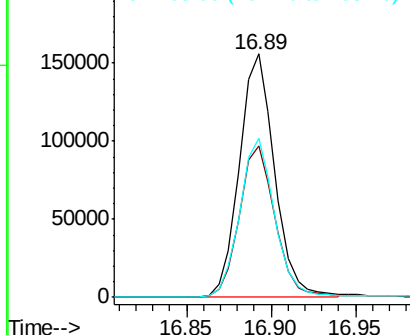
266 100

264 62.2 49.8 74.6

268 65.5 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: 17.173 ng/ul

RT: 17.29 min Scan# 2397

Delta R.T. 0.01 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

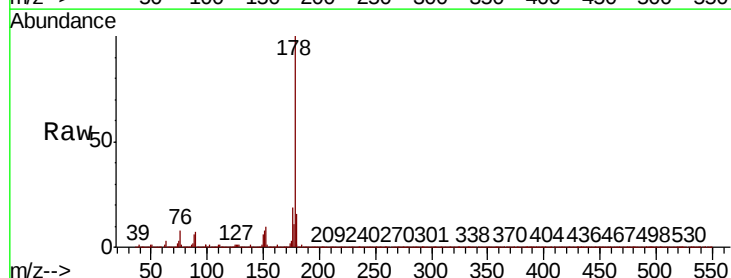
Tgt Ion:178 Resp: 1786026

Ion Ratio Lower Upper

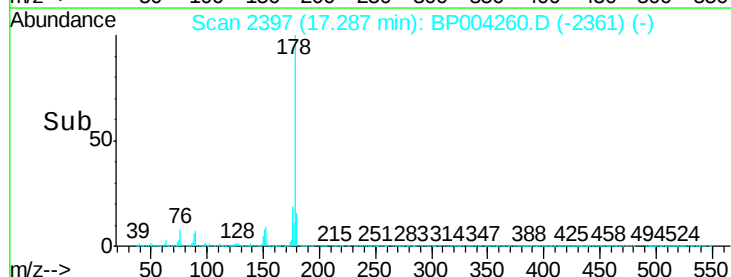
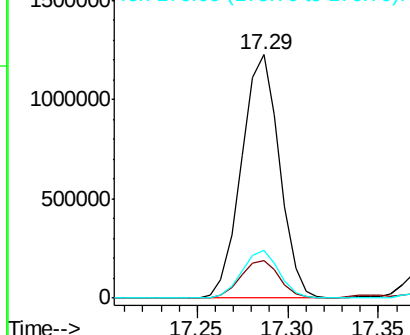
178 100

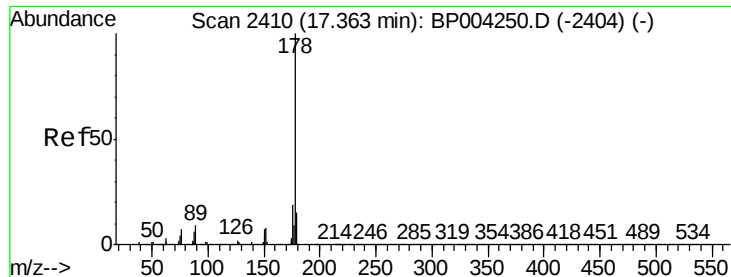
179 15.6 12.4 18.6

176 19.4 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: 2.086 ng/ul

RT: 17.37 min Scan# 2412

Delta R.T. 0.01 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

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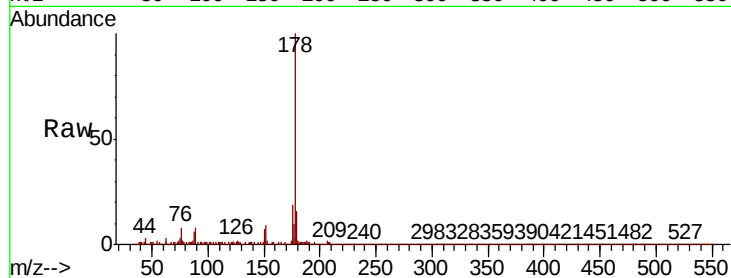
Tot Ion:178 Resp: 214604

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

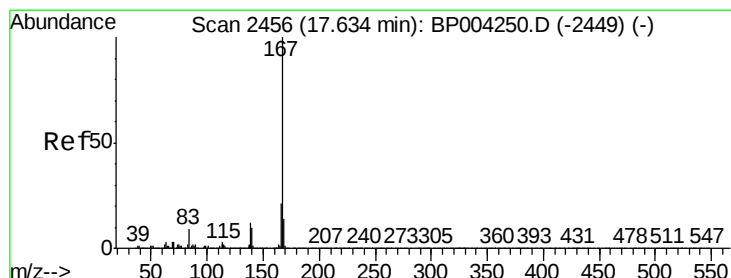
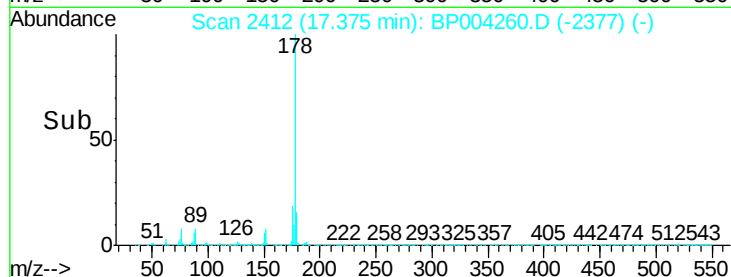
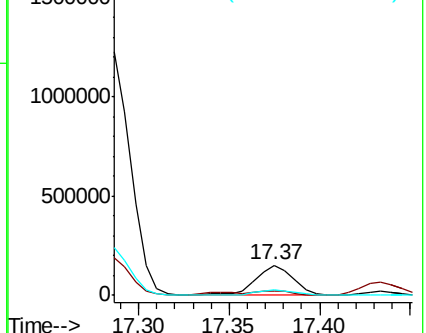
176 18.9 14.9 22.3



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: 2.920 ng/ul

RT: 17.65 min Scan# 2458

Delta R.T. 0.01 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

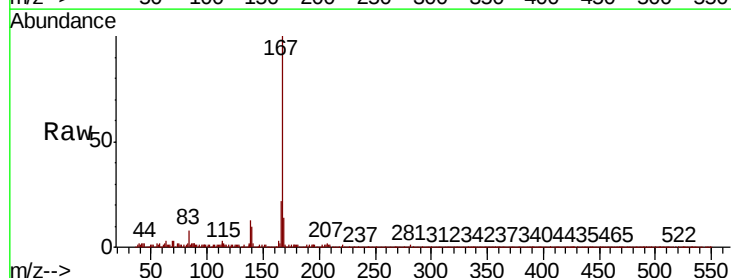
Tgt Ion:167 Resp: 244491

Ion Ratio Lower Upper

167 100

166 22.1 17.1 25.7

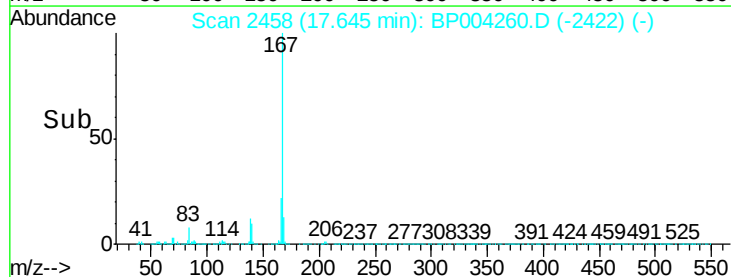
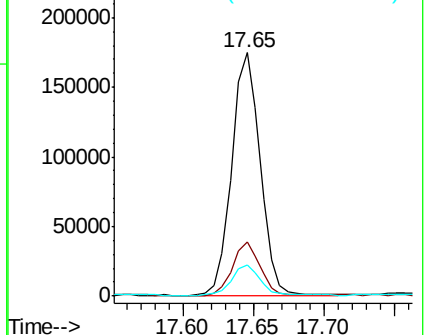
139 12.6 9.8 14.6

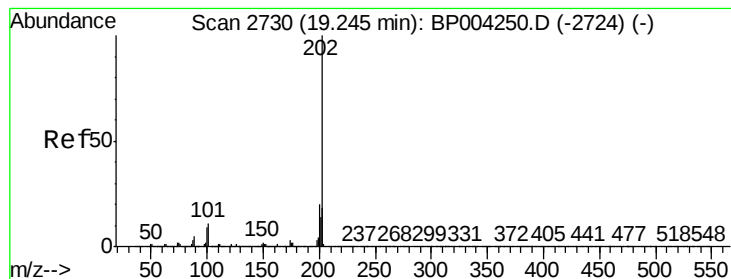


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 45.743 ng/ul

RT: 19.26 min Scan# 2732

Delta R.T. 0.01 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

Instrument :

BNA_P

ClientSampleId :

A54A1MSD

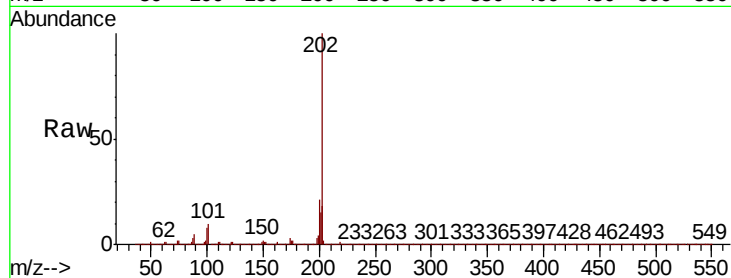
Tot Ion:202 Resp: 5079808

Ion Ratio Lower Upper

202 100

101 10.2 9.1 13.7

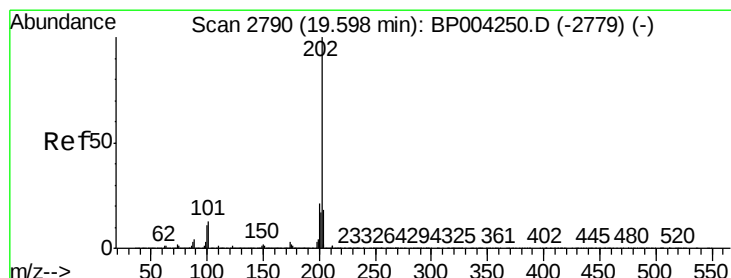
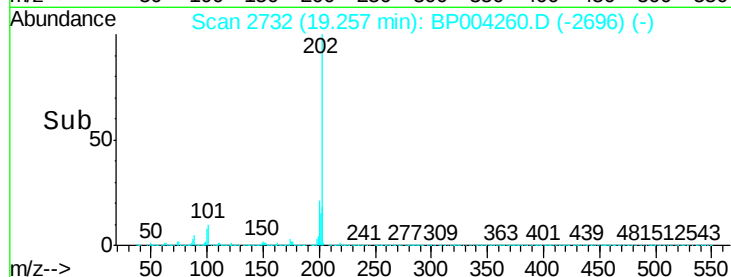
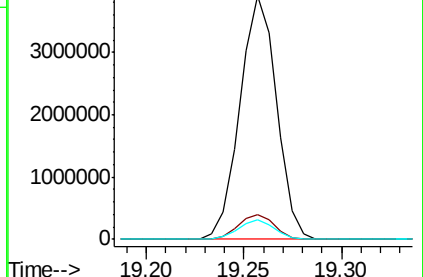
100 7.8 7.1 10.7



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



#80

Pyrene

Concen: 52.110 ng/ul

RT: 19.61 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

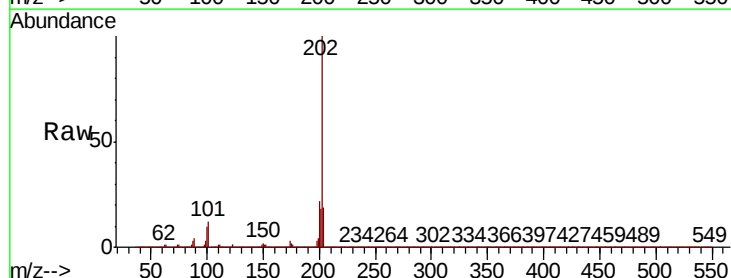
Tgt Ion:202 Resp: 6155022

Ion Ratio Lower Upper

202 100

101 12.2 10.6 15.8

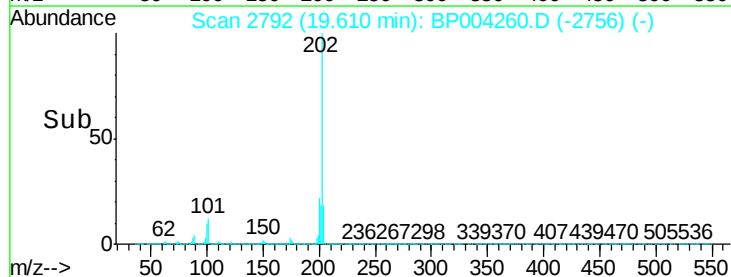
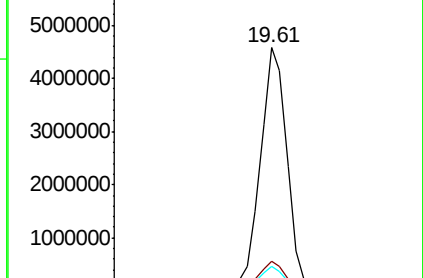
100 10.0 8.6 12.8

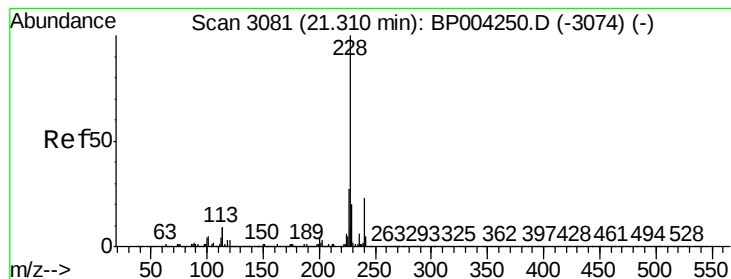


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 17.305 ng/ul

RT: 21.32 min Scan# 3083

Delta R.T. 0.01 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

Instrument :

BNA_P

ClientSampleId :

A54A1MSD

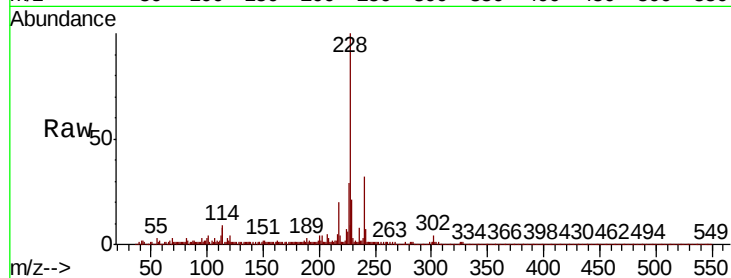
Tot Ion:228 Resp: 1997314

Ion Ratio Lower Upper

228 100

229 21.3 15.8 23.8

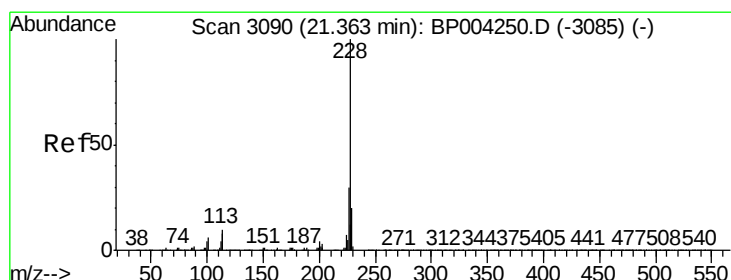
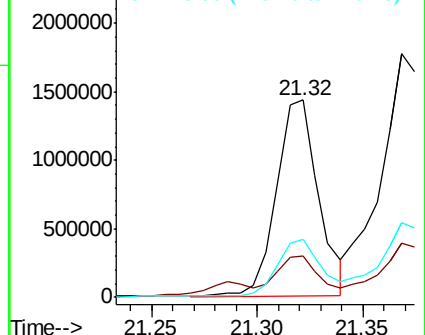
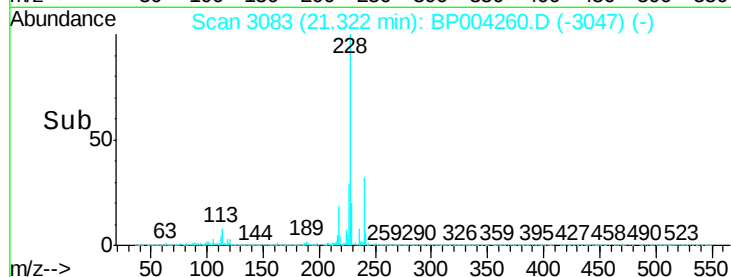
226 29.2 21.7 32.5



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: 23.508 ng/ul

RT: 21.37 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

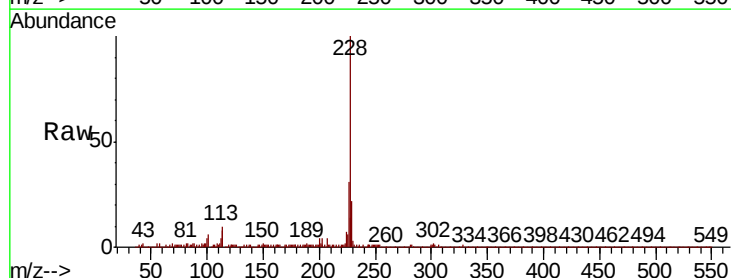
Tgt Ion:228 Resp: 2661763

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.2

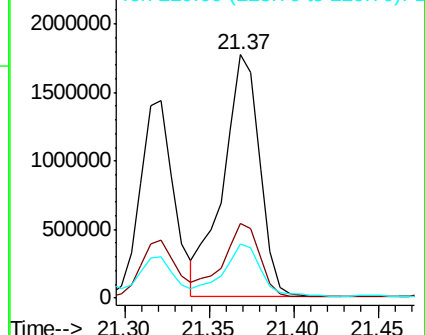
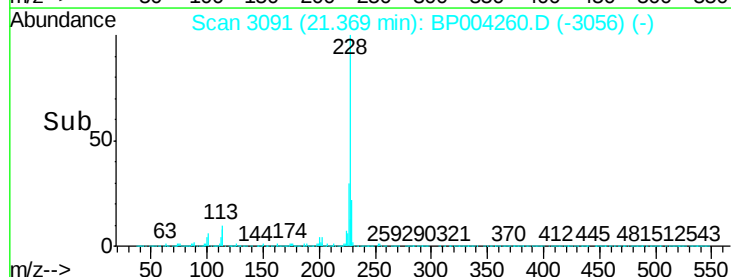
229 22.2 15.8 23.8

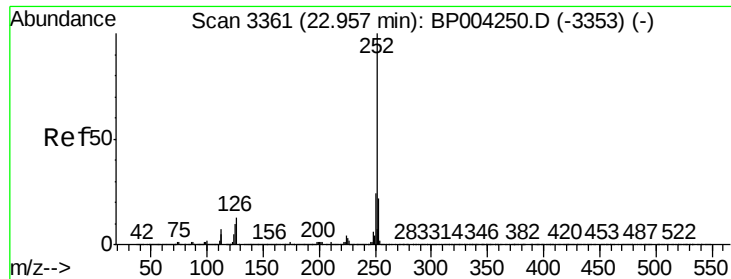


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 31.190 ng/u1

RT: 22.98 min Scan# 3365

Delta R.T. 0.02 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

Instrument :

BNA_P

ClientSampleId :

A54A1MSD

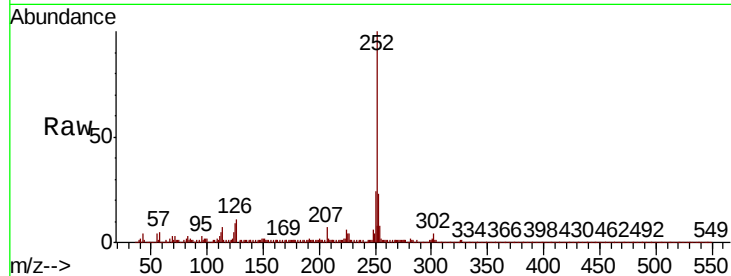
Tot Ion:252 Resp: 3902953

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

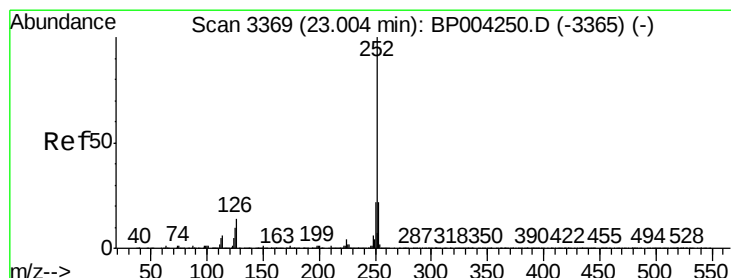
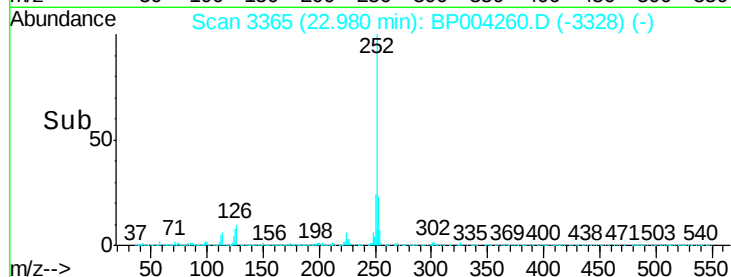
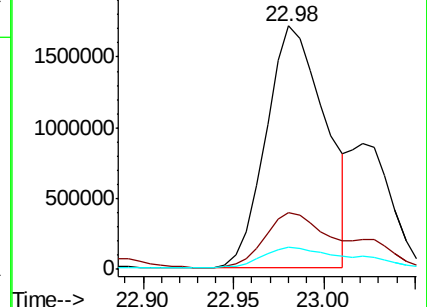
125 9.3 7.7 11.5



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: 30.370 ng/u1

RT: 22.98 min Scan# 3365

Delta R.T. -0.03 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

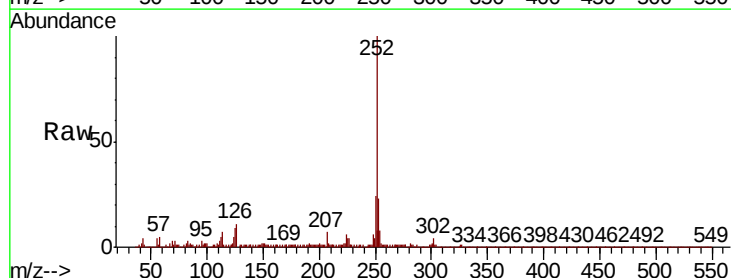
Tgt Ion:252 Resp: 3902953

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.2

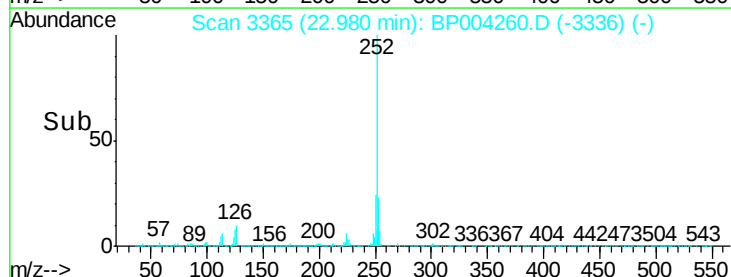
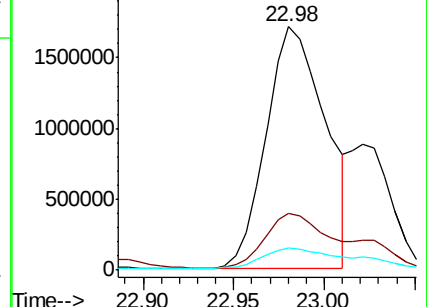
125 9.3 7.3 10.9

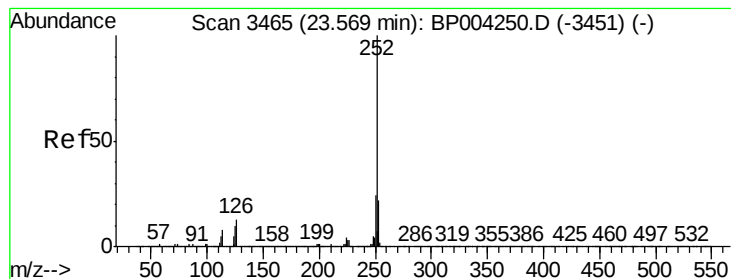


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 20.967 ng/ul

RT: 23.59 min Scan# 3469

Delta R.T. 0.02 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

Instrument :

BNA_P

ClientSampleId :

A54A1MSD

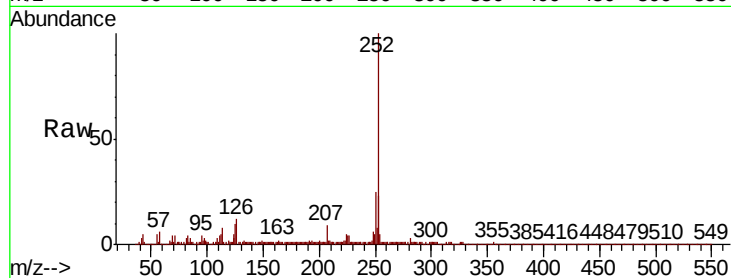
Tot Ion:252 Resp: 2448341

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

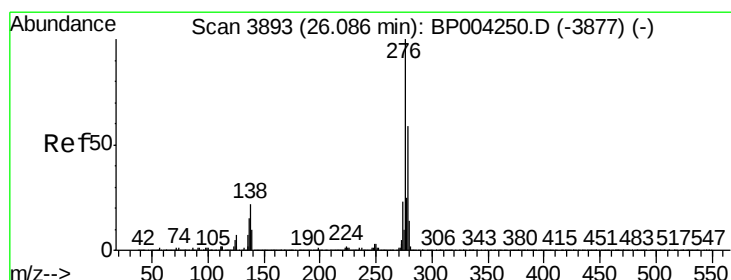
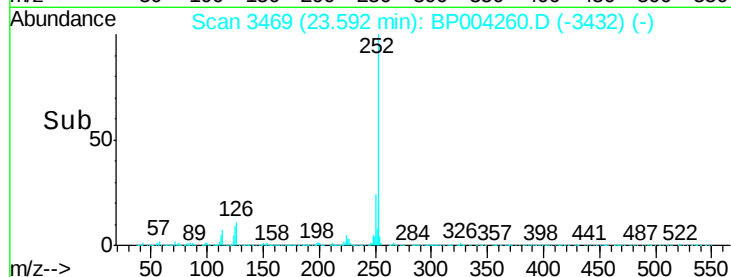
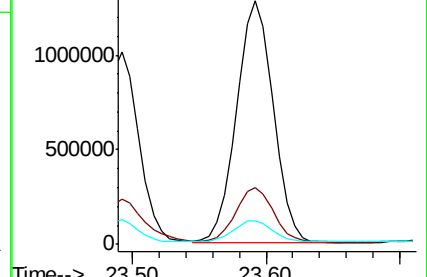
125 9.9 7.8 11.6



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: 14.535 ng/ul

RT: 26.13 min Scan# 3900

Delta R.T. 0.04 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

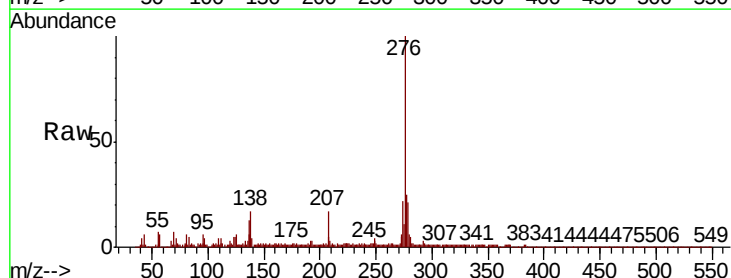
Tgt Ion:276 Resp: 2128463

Ion Ratio Lower Upper

276 100

138 17.2 17.8 26.6#

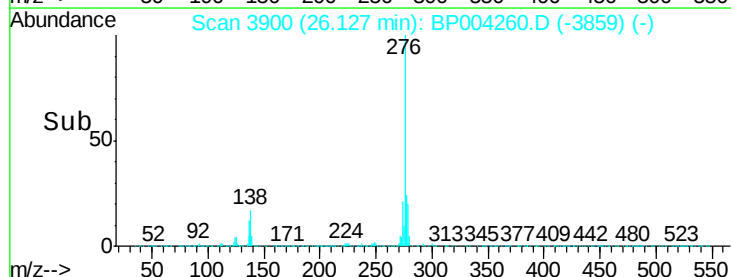
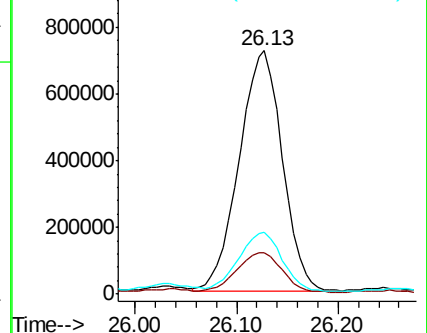
277 25.2 19.8 29.6

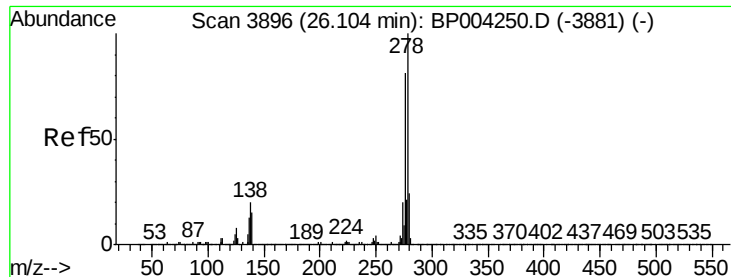


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 3.928 ng/ul

RT: 26.13 min Scan# 3900

Delta R.T. 0.02 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

Instrument :

BNA_P

ClientSampleId :

A54A1MSD

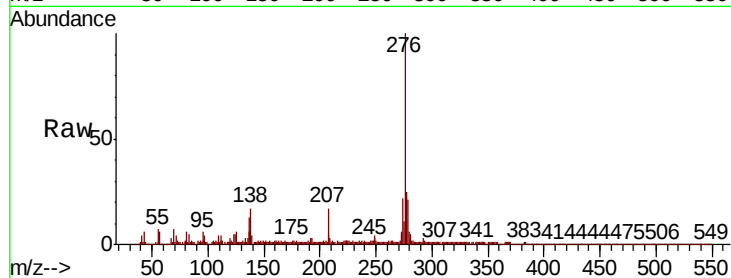
Tot Ion:278 Resp: 482068

Ion Ratio Lower Upper

278 100

139 20.3 11.9 17.9#

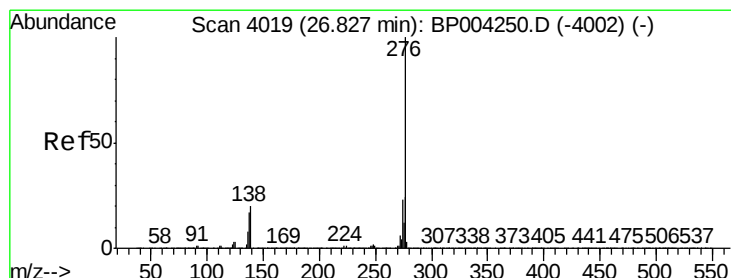
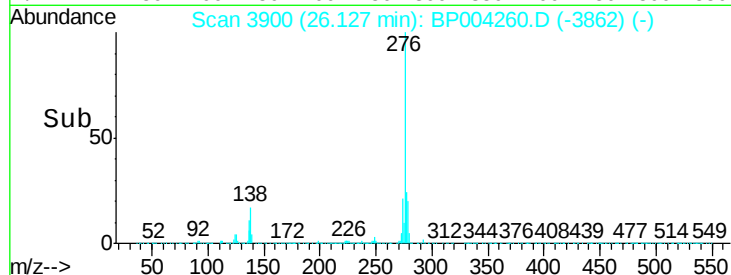
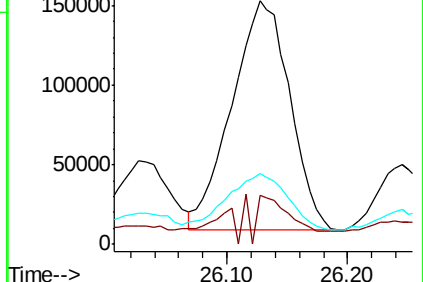
279 29.2 18.6 28.0#



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: 14.386 ng/ul

RT: 26.87 min Scan# 4026

Delta R.T. 0.04 min

Lab File: BP004260.D

Acq: 12 Dec 2020 15:43

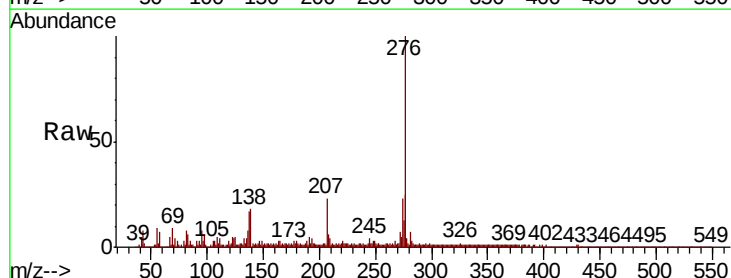
Tgt Ion:276 Resp: 1767380

Ion Ratio Lower Upper

276 100

138 18.3 16.6 25.0

277 24.6 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

