

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP121420\
 Data File : BP004275.D
 Acq On : 14 Dec 2020 15:45
 Operator : CG/JU
 Sample : L5000-03MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A54A1MSD

Quant Time: Dec 14 23:59:34 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	334965	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1444777	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.49	164	922915	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.25	188	1989418	20.00	ng/ul	0.01
78) Chrysene-d12	21.34	240	1907865	20.00	ng/ul	0.02
86) Perylene-d12	23.71	264	2274406	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	24110	2.53	ng/uL	0.00
5) Phenol-d5	7.00	99	538229	19.42	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.17	67	287774	16.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	439393	20.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	419719	20.05	ng/ul	0.01
19) Nitrobenzene-d5	8.99	128	221689	18.74	ng/ul	0.01
22) 2-Nitrophenol-d4	9.72	143	246390	25.25	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.25	165	469620	21.88	ng/ul	0.01
29) 4-Chloroaniline-d4	10.76	131	448116	16.85	ng/ul	0.00
44) Dimethylphthalate-d6	13.89	166	1363500	19.33	ng/ul	0.01
47) Acenaphthylene-d8	14.17	160	1781319	19.79	ng/ul	0.01
52) 4-Nitrophenol-d4	14.68	143	195746	16.43	ng/ul	0.02
58) Fluorene-d10	15.48	176	1209531	18.93	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.60	200	100364	10.51	ng/ul	0.02
71) Anthracene-d10	17.35	188	1906723	19.67	ng/ul	0.01
79) Pyrene-d10	19.59	212	2133443	21.47	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.56	264	2421041	20.21	ng/ul	0.04

Target Compounds

					Ovalue
6) Phenol	7.03	94	539631	18.652	ng/ul 98
10) 2-Chlorophenol	7.40	128	403612	18.306	ng/ul 97
15) N-Nitroso-di-n-propylamine	8.64	70	298410	18.607	ng/ul 96
33) 4-Chloro-3-methylphenol	11.92	107	440998	21.541	ng/ul 98
45) Dimethylphthalate	13.93	163	290222	4.039	ng/ul 100
50) Acenaphthene	14.55	153	1101784	17.417	ng/ul 99
53) 4-Nitrophenol	14.69	109	150602	17.128	ng/ul 95
55) 2,4-Dinitrotoluene	14.85	165	370982	19.539	ng/ul 95
69) Pentachlorophenol	16.90	266	261002	20.456	ng/ul 100
70) Phenanthrene	17.29	178	1464705	12.480	ng/ul 99
72) Anthracene	17.38	178	189201	1.629	ng/ul 98
75) Carbazole	17.65	167	184807	1.956	ng/ul 99
77) Fluoranthene	19.26	202	4758416	37.970	ng/ul 96
80) Pyrene	19.62	202	6105204	47.439	ng/ul 97
83) Benzo(a)anthracene	21.33	228	1806178	14.362	ng/ul 97
85) Chrysene	21.37	228	2496483	20.235	ng/ul 98
88) Benzo(b)fluoranthene	22.99	252	3695339	25.620	ng/ul 97
89) Benzo(k)fluoranthene	22.99	252	3695339	24.947	ng/ul 97
91) Benzo(a)pyrene	23.60	252	2325046	17.274	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	26.14	276	2017801	11.954	ng/ul# 94
93) Dibenzo(a,h)anthracene	26.15	278	456703	3.228	ng/ul# 79
94) Benzo(a,h,i)perylene	26.89	276	1699436	12.001	ng/ul 95

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP121420\
Data File : BP004275.D
Acq On : 14 Dec 2020 15:45
Operator : CG/JU
Sample : L5000-03MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A54A1MSD

Quant Time: Dec 14 23:59:34 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

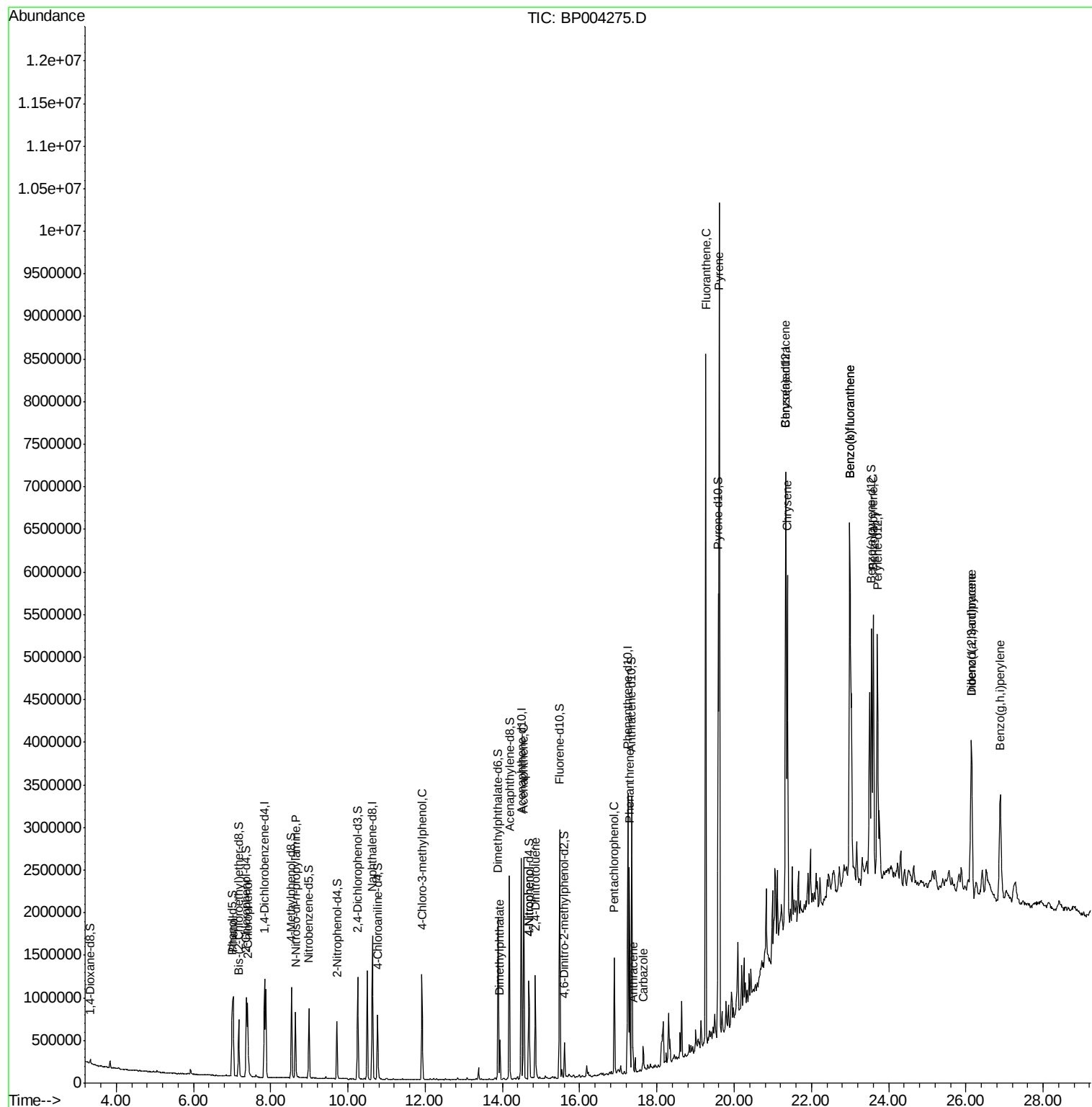
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

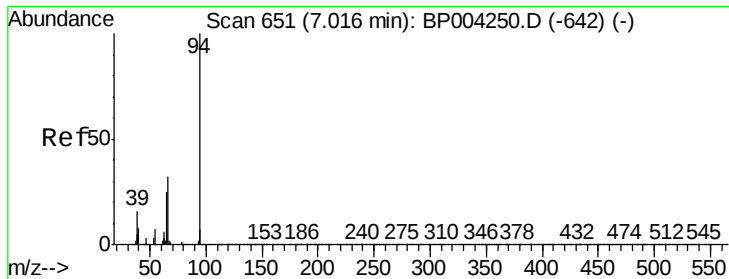
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004275.D
Acq On : 14 Dec 2020 15:45
Operator : CG/JU
Sample : L5000-03MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleID :
A54A1MSD

Quant Time: Dec 14 23:59:34 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





#6

Phenol

Concen: 18.652 ng/ul

RT: 7.03 min Scan# 653

Delta R.T. 0.01 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

Instrument :

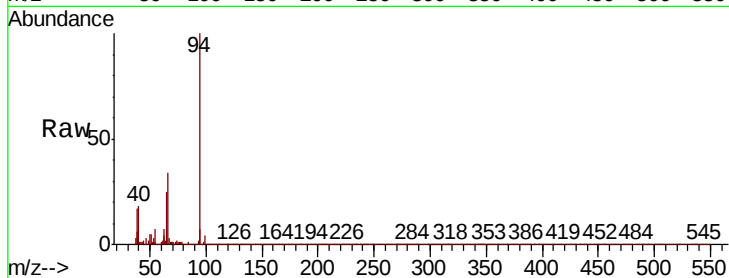
BNA_P

ClientSampleId :

A54A1MSD

Tot Ion: 94 Resp: 539631

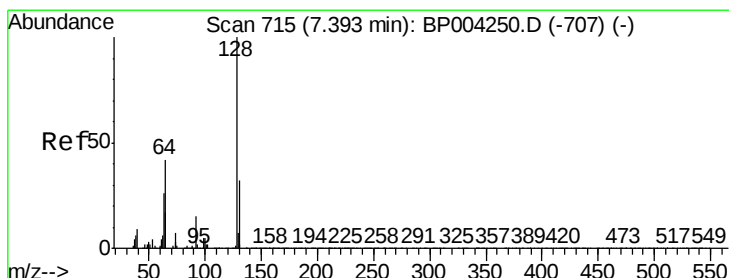
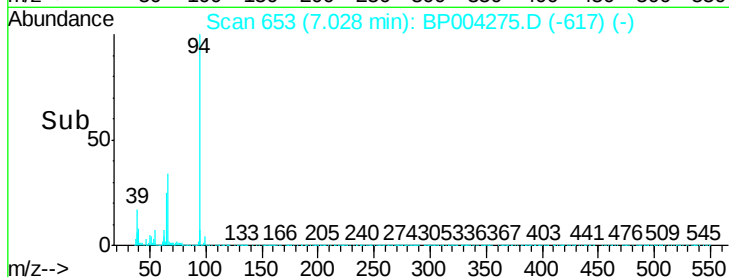
Ion	Ratio	Lower	Upper
94	100		
65	25.3	20.8	31.2
66	34.4	26.5	39.7



Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0



#10

2-Chlorophenol

Concen: 18.306 ng/ul

RT: 7.40 min Scan# 716

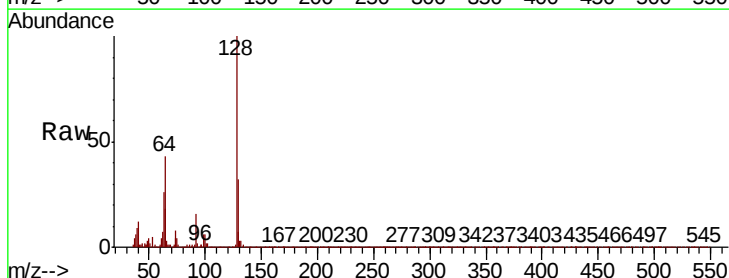
Delta R.T. 0.01 min

Lab File: BP004275.D

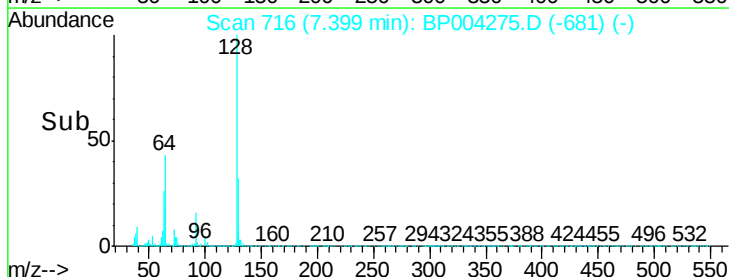
Acq: 14 Dec 2020 15:45

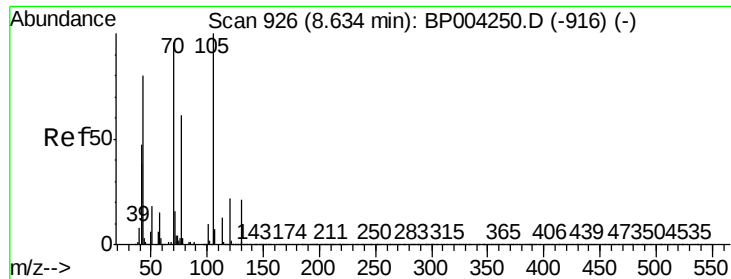
Tgt Ion: 128 Resp: 403612

Ion	Ratio	Lower	Upper
128	100		
64	43.3	36.9	55.3
130	32.0	25.9	38.9



Abundance Ion 128.00 (127.70 to 128.70): E

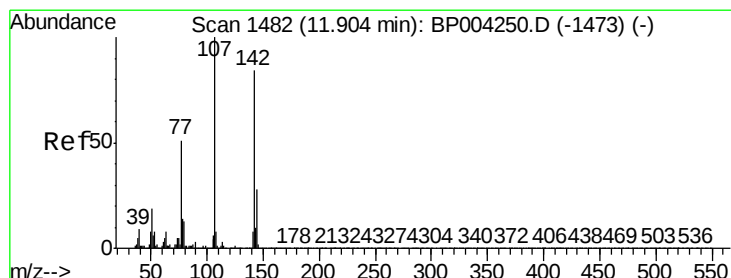
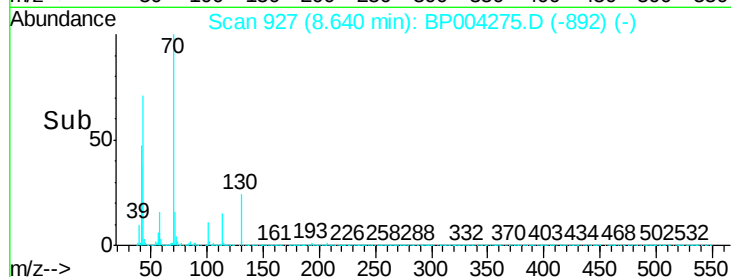
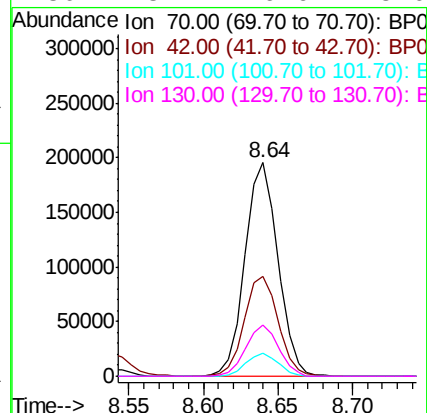
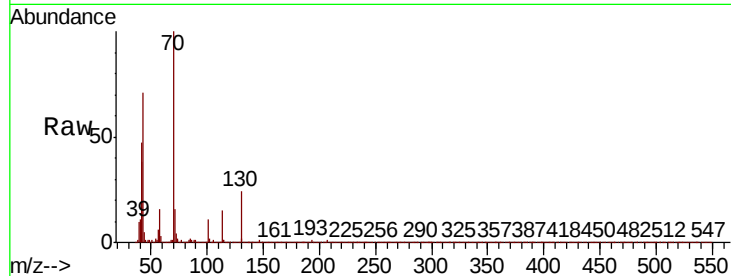




#15
N-Nitroso-di-n-propylamine
Concen: 18.607 ng/ul
RT: 8.64 min Scan# 927
Delta R.T. 0.01 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

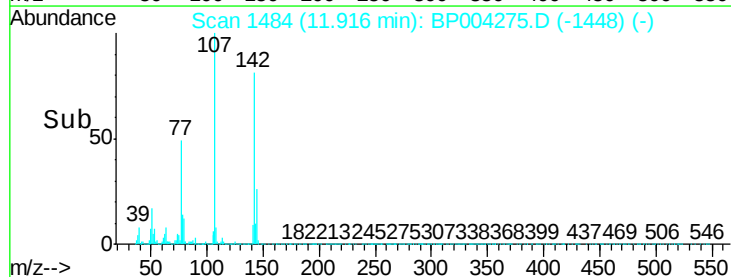
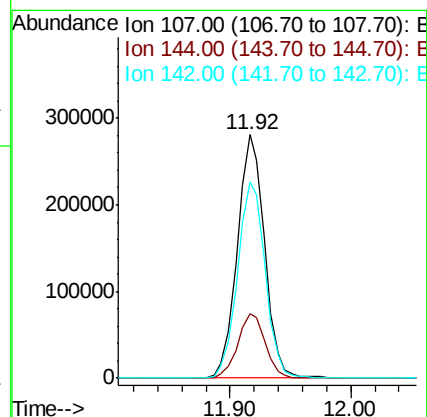
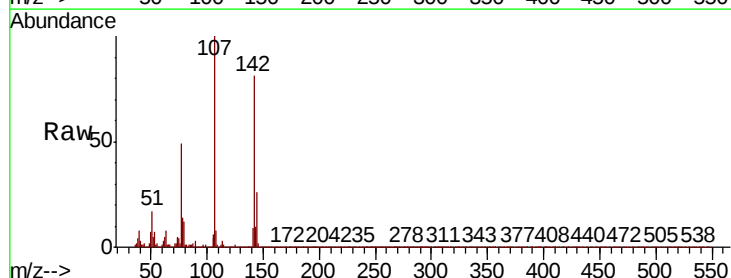
Instrument :
BNA_P
ClientSampleId :
A54A1MSD

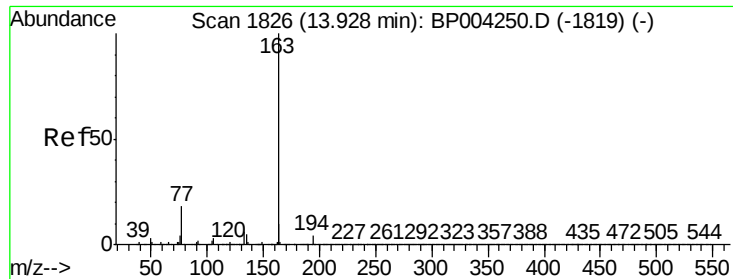
Tot Ion:	70	Resp:	298410
Ion	Ratio	Lower	Upper
70	100		
42	46.7	39.0	58.6
101	10.8	7.6	11.4
130	23.7	16.6	25.0



#33
4-Chloro-3-methylphenol
Concen: 21.541 ng/ul
RT: 11.92 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

Tgt Ion:	107	Resp:	440998
Ion	Ratio	Lower	Upper
107	100		
144	26.3	22.0	33.0
142	80.7	66.2	99.2

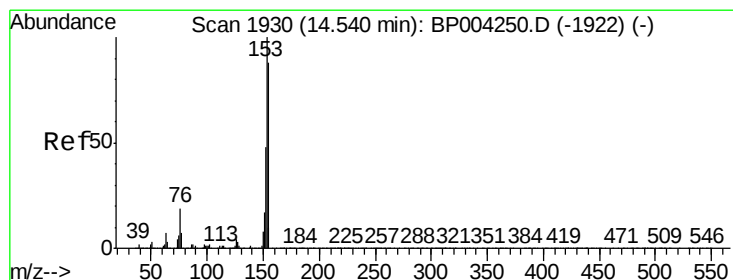
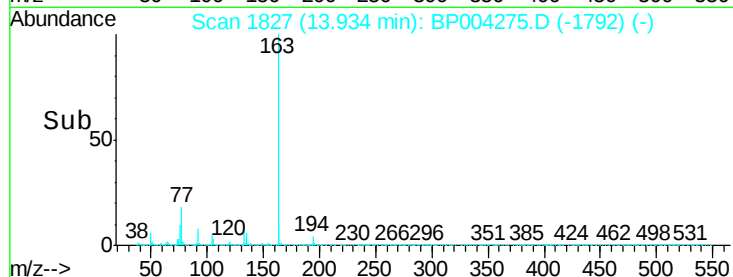
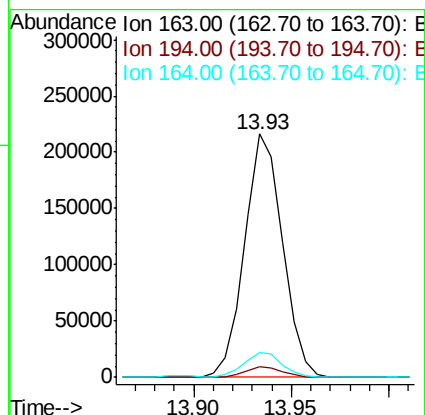
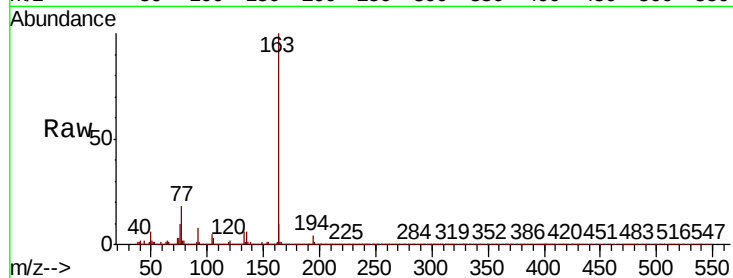




#45
Dimethylphthalate
Concen: 4.039 ng/ul
RT: 13.93 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

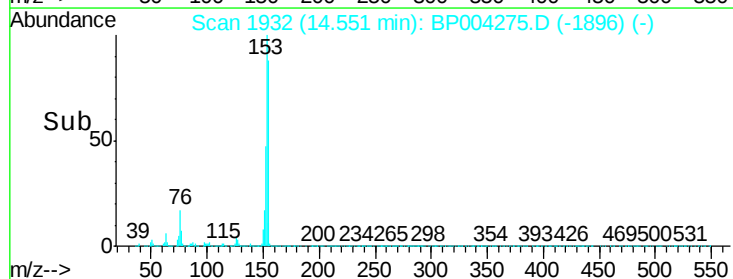
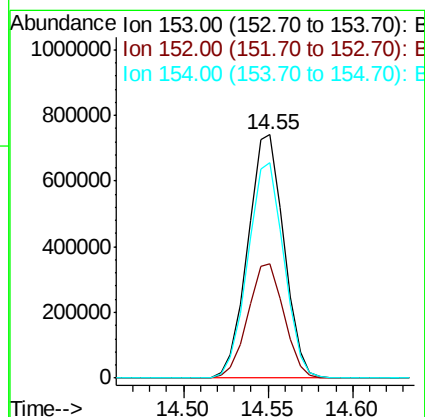
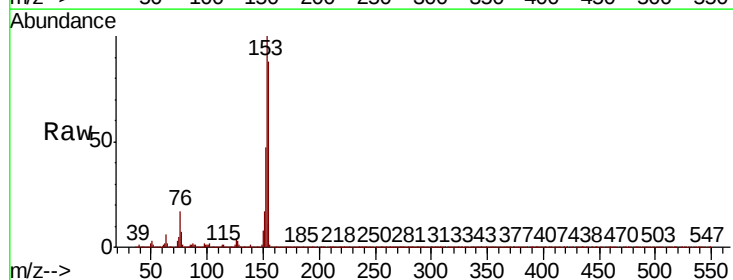
Instrument :
BNA_P
ClientSampleId :
A54A1MSD

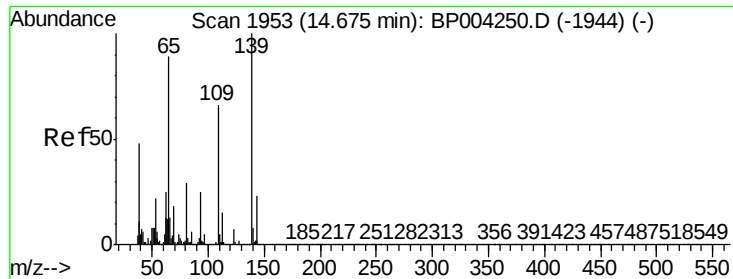
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.3	8.4	12.6



#50
Acenaphthene
Concen: 17.417 ng/ul
RT: 14.55 min Scan# 1932
Delta R.T. 0.01 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.8	37.8	56.6
154	88.3	69.8	104.8





#53

4-Nitrophenol

Concen: 17.128 ng/ul

RT: 14.69 min Scan# 1956

Delta R.T. 0.02 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

Instrument :

BNA_P

ClientSampleId :

A54A1MSD

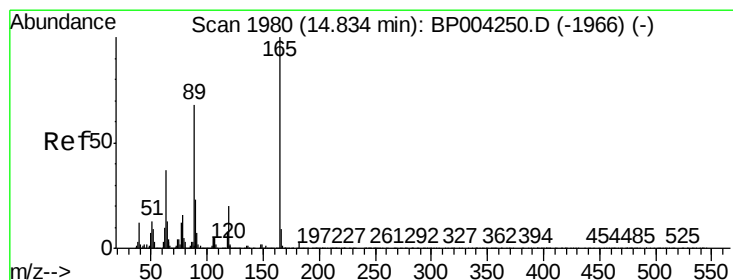
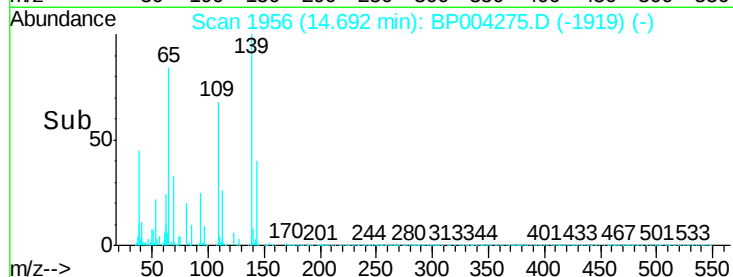
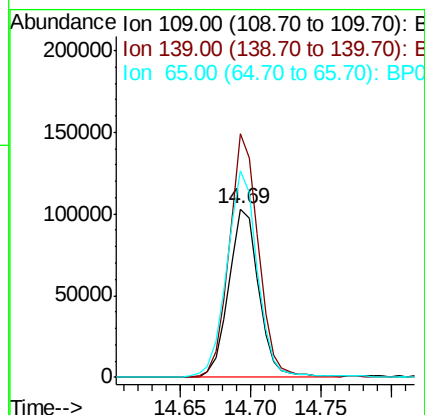
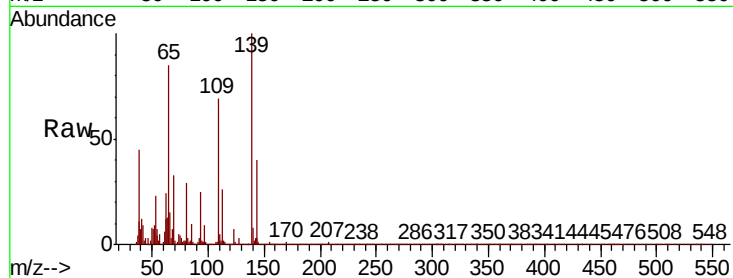
Tot Ion:109 Resp: 150602

Ion Ratio Lower Upper

109 100

139 144.7 113.5 170.3

65 122.9 105.1 157.7



#55

2,4-Dinitrotoluene

Concen: 19.539 ng/ul

RT: 14.85 min Scan# 1983

Delta R.T. 0.02 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

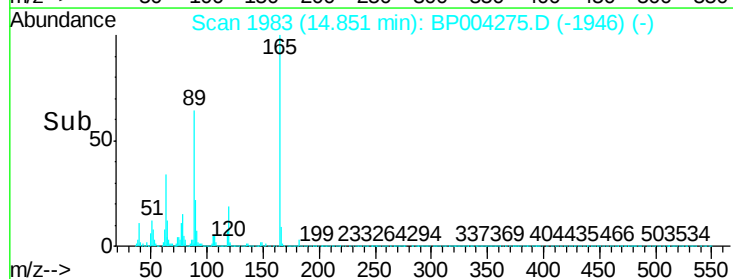
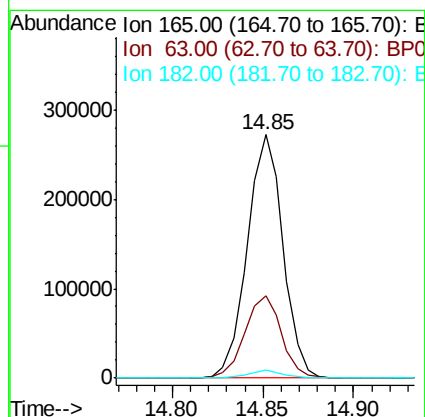
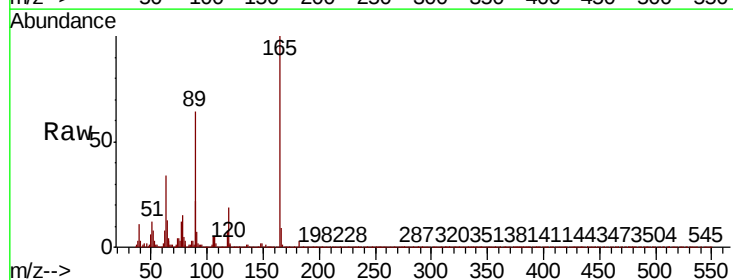
Tgt Ion:165 Resp: 370982

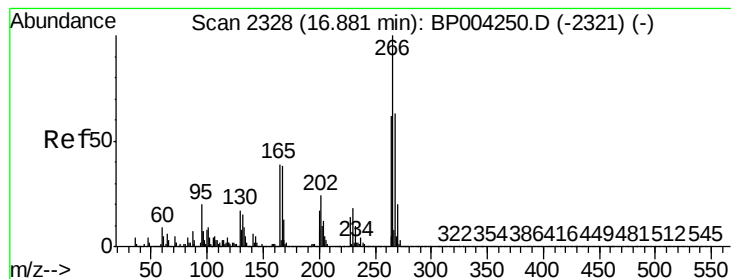
Ion Ratio Lower Upper

165 100

63 33.9 29.4 44.2

182 3.1 2.6 3.8





#69

Pentachlorophenol

Concen: 20.456 ng/ul

RT: 16.90 min Scan# 2331

Delta R.T. 0.02 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

Instrument :

BNA_P

ClientSampleId :

A54A1MSD

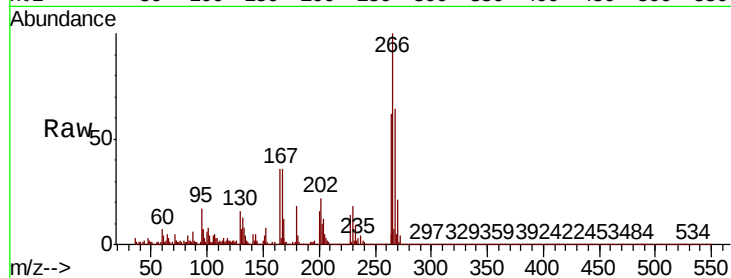
Tot Ion:266 Resp: 261002

Ion Ratio Lower Upper

266 100

264 62.2 49.8 74.6

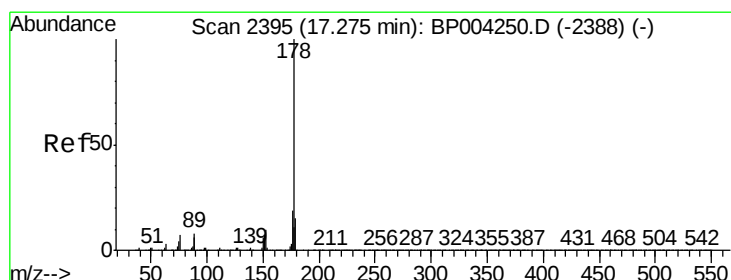
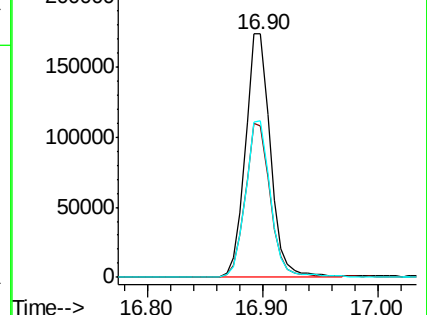
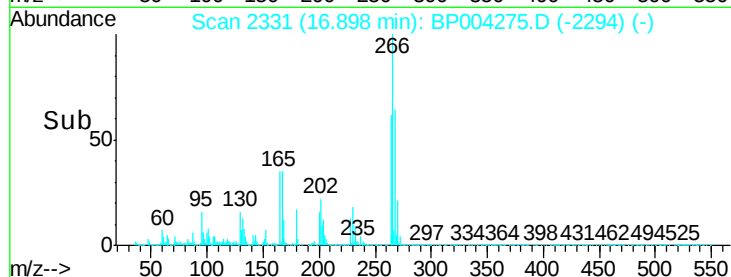
268 64.4 52.0 78.0



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: 12.480 ng/ul

RT: 17.29 min Scan# 2397

Delta R.T. 0.01 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

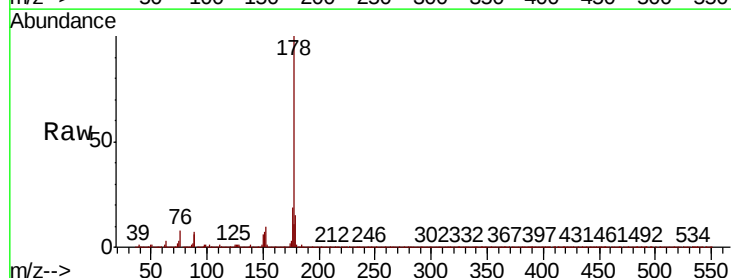
Tgt Ion:178 Resp: 1464705

Ion Ratio Lower Upper

178 100

179 15.2 12.4 18.6

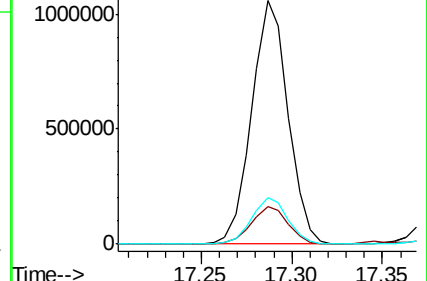
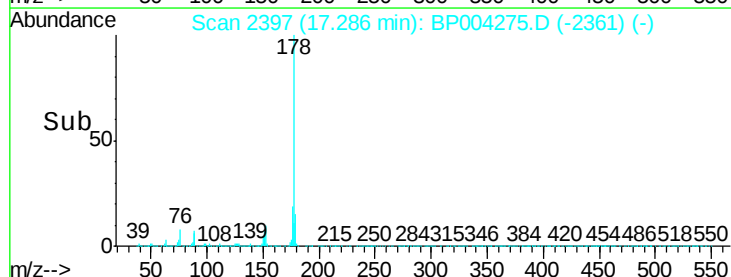
176 19.0 15.4 23.0

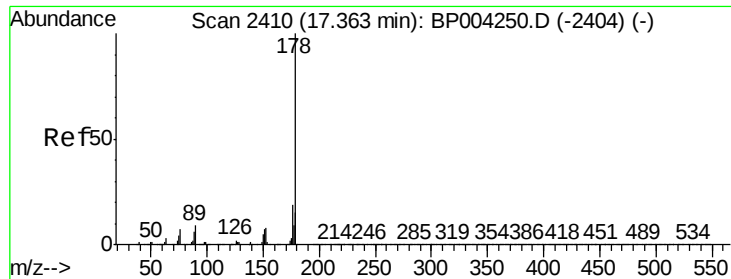


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1.629 ng/ul

RT: 17.38 min Scan# 2413

Delta R.T. 0.01 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

Instrument :

BNA_P

ClientSampleId :

A54A1MSD

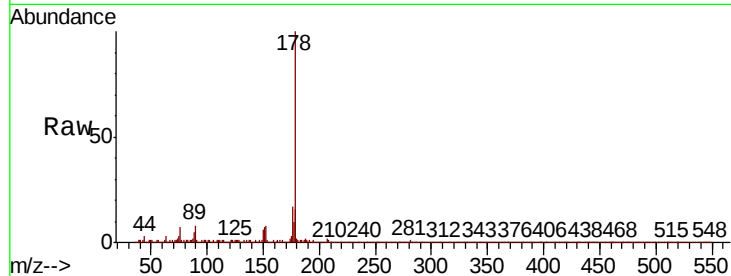
Tot Ion:178 Resp: 189201

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

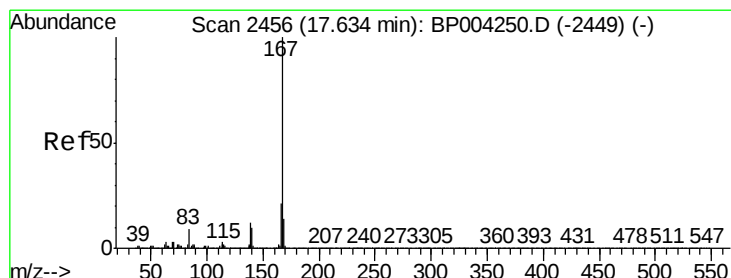
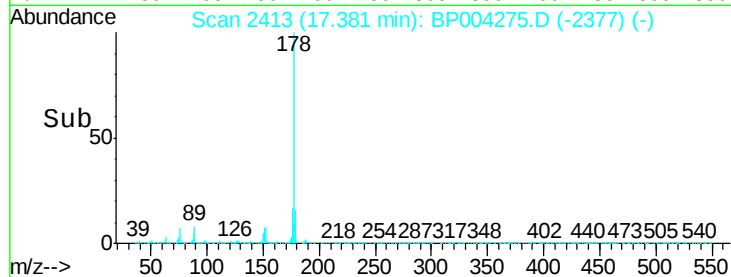
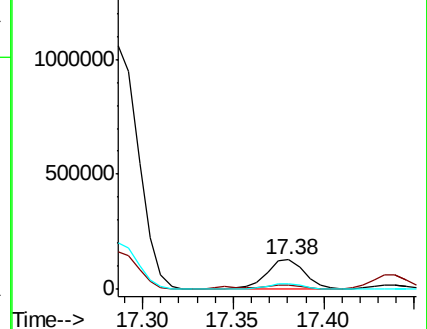
176 17.5 14.9 22.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 1.956 ng/ul

RT: 17.65 min Scan# 2458

Delta R.T. 0.01 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

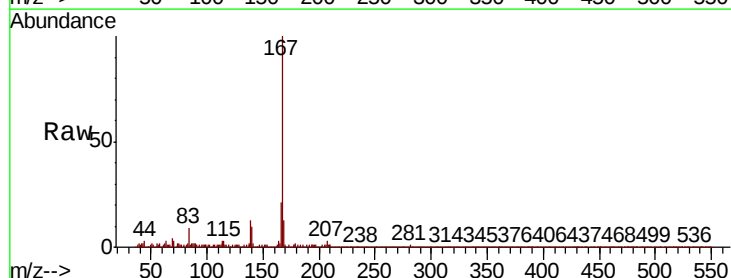
Tgt Ion:167 Resp: 184807

Ion Ratio Lower Upper

167 100

166 21.5 17.1 25.7

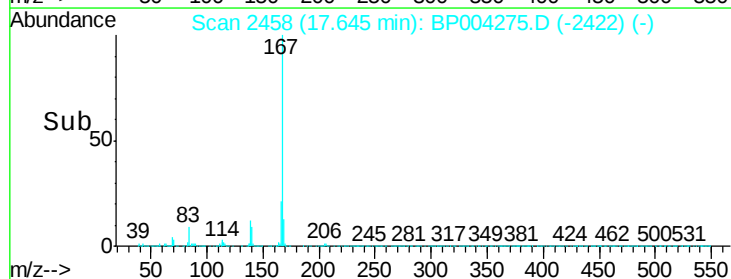
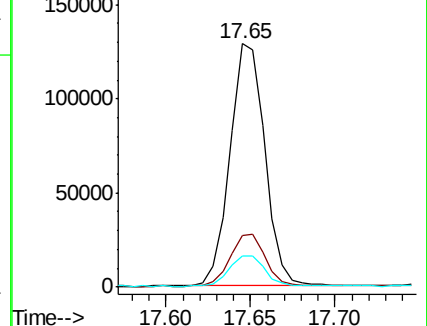
139 12.7 9.8 14.6

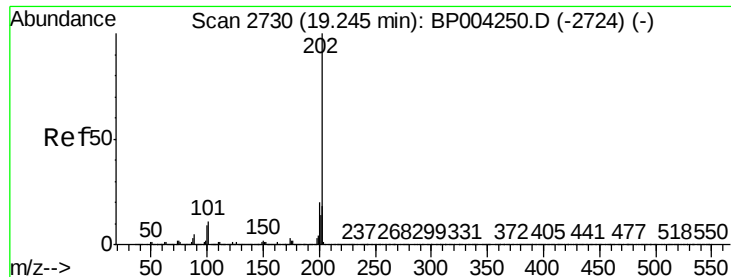


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 37.970 ng/ul

RT: 19.26 min Scan# 2733

Delta R.T. 0.02 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

Instrument :

BNA_P

ClientSampleId :

A54A1MSD

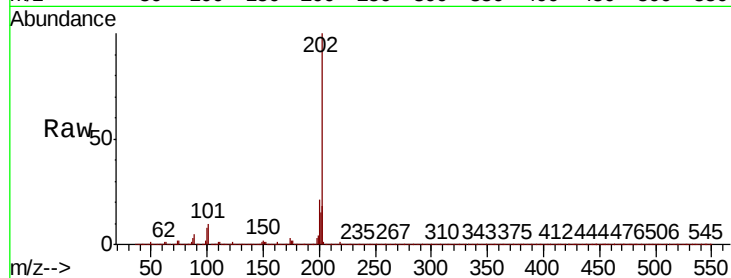
Tot Ion:202 Resp: 4758416

Ion Ratio Lower Upper

202 100

101 9.8 9.1 13.7

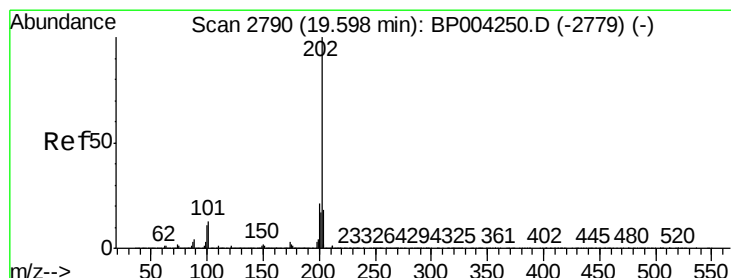
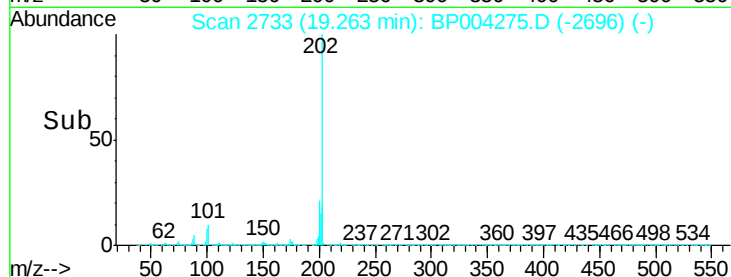
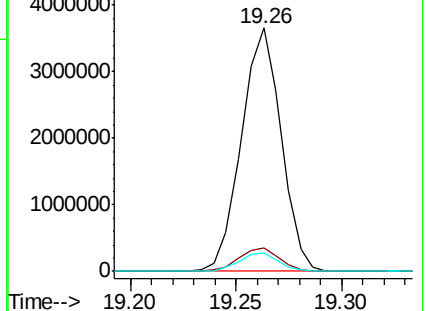
100 7.6 7.1 10.7



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: 47.439 ng/ul

RT: 19.62 min Scan# 2793

Delta R.T. 0.02 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

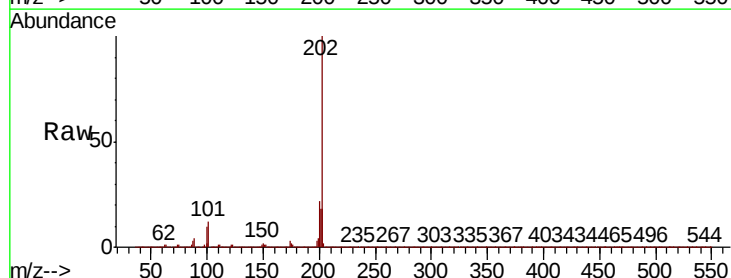
Tgt Ion:202 Resp: 6105204

Ion Ratio Lower Upper

202 100

101 11.7 10.6 15.8

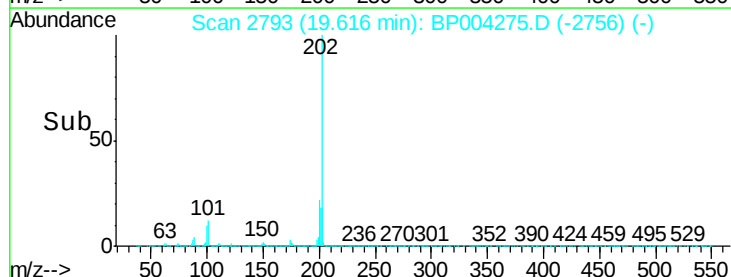
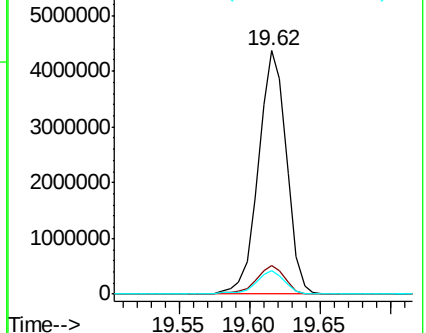
100 9.7 8.6 12.8

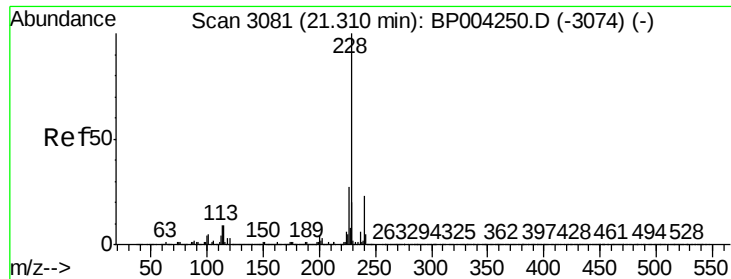


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 14.362 ng/ul

RT: 21.33 min Scan# 3084

Delta R.T. 0.02 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

Instrument :

BNA_P

ClientSampleId :

A54A1MSD

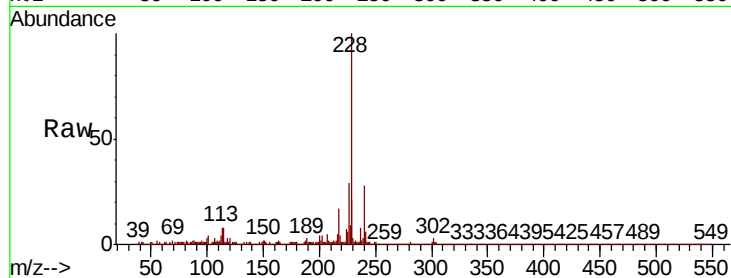
Tot Ion:228 Resp: 1806178

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.8

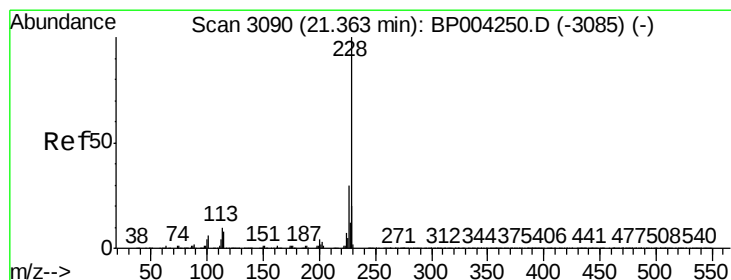
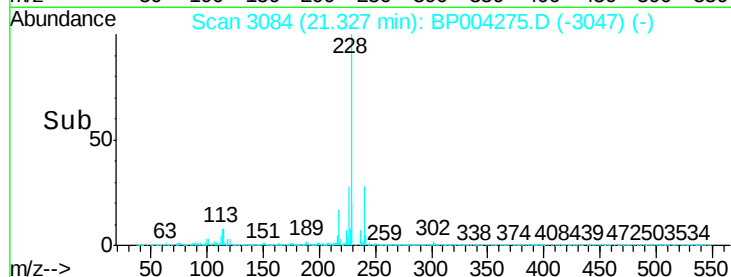
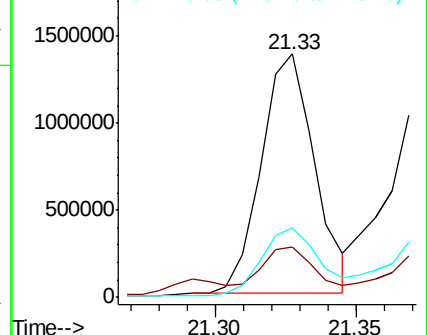
226 28.6 21.7 32.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 20.235 ng/ul

RT: 21.37 min Scan# 3092

Delta R.T. 0.01 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

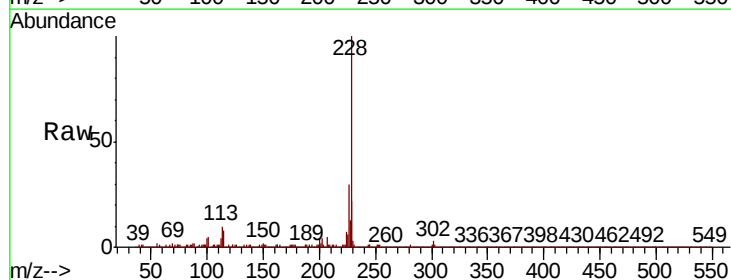
Tgt Ion:228 Resp: 2496483

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.2

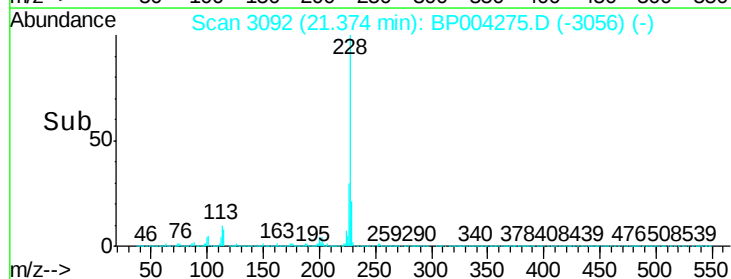
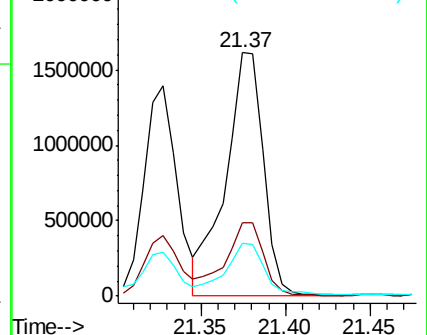
229 21.9 15.8 23.8

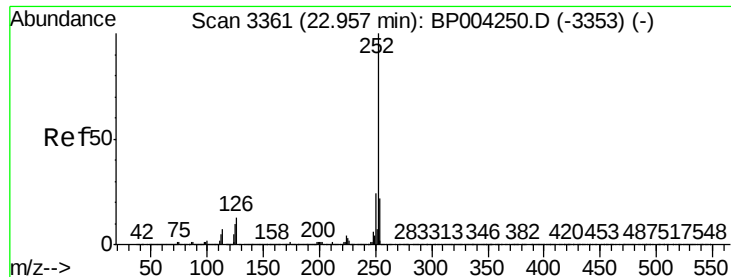


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 25.620 ng/u1

RT: 22.99 min Scan# 3367

Delta R.T. 0.03 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

Instrument :

BNA_P

ClientSampleId :

A54A1MSD

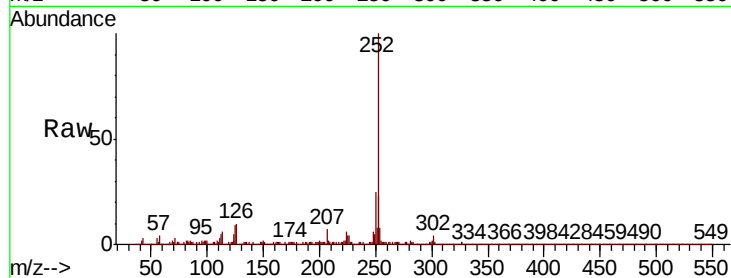
Tot Ion:252 Resp: 3695339

Ion Ratio Lower Upper

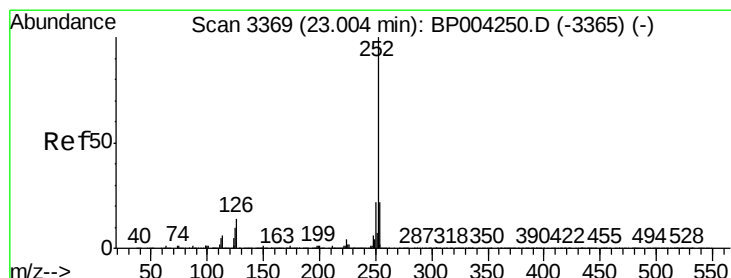
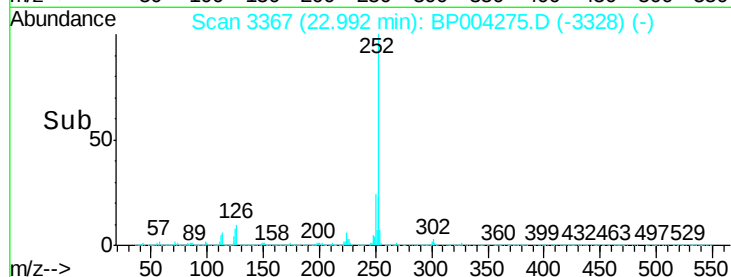
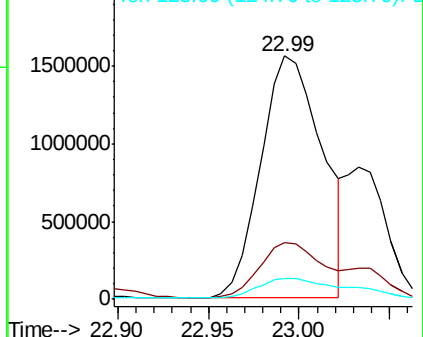
252 100

253 23.5 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: 24.947 ng/u1

RT: 22.99 min Scan# 3367

Delta R.T. -0.02 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

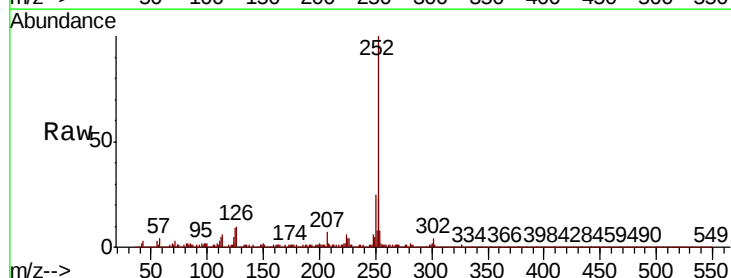
Tgt Ion:252 Resp: 3695339

Ion Ratio Lower Upper

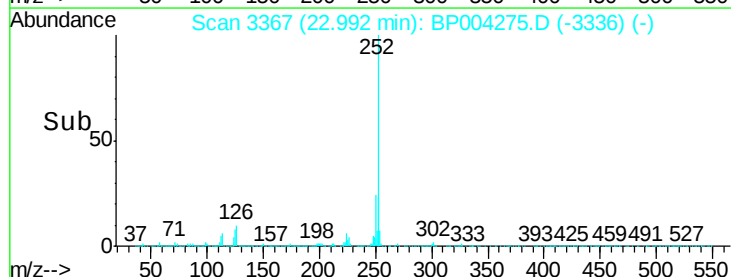
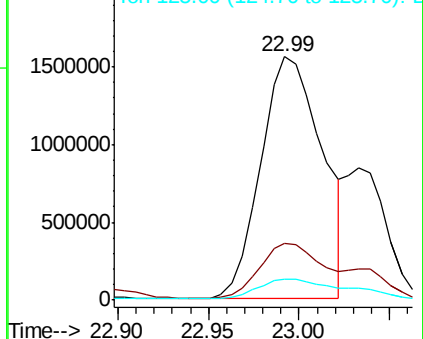
252 100

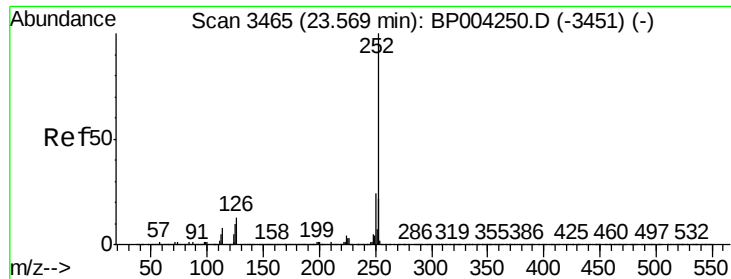
253 23.5 17.4 26.2

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

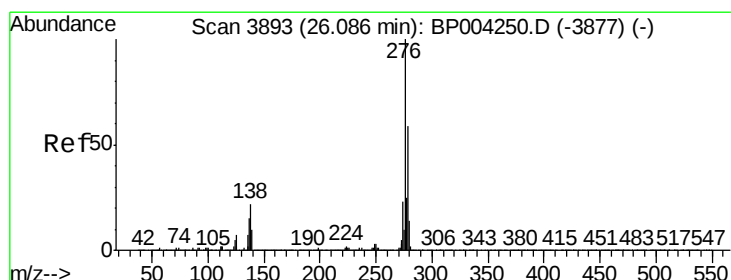
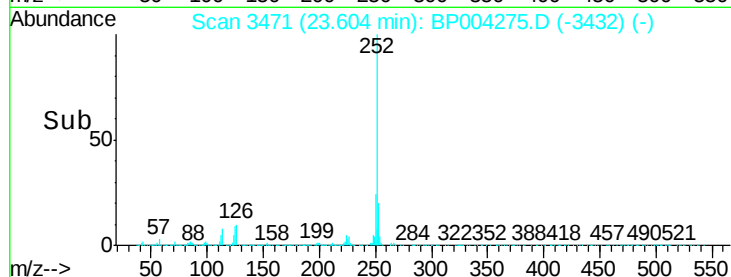
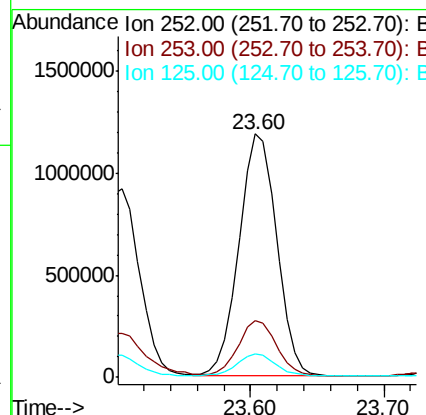
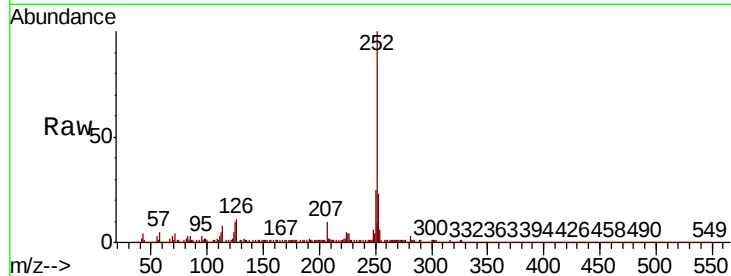




#91
Benzo(a)pyrene
Concen: 17.274 ng/ul
RT: 23.60 min Scan# 3471
Delta R.T. 0.03 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

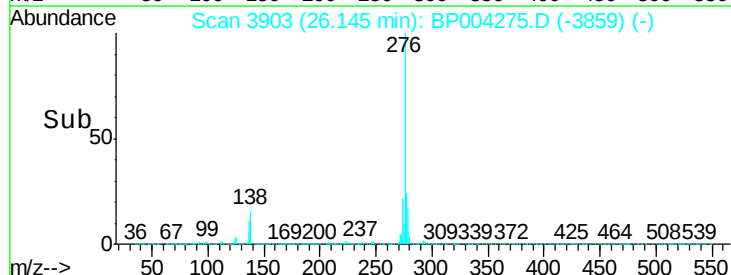
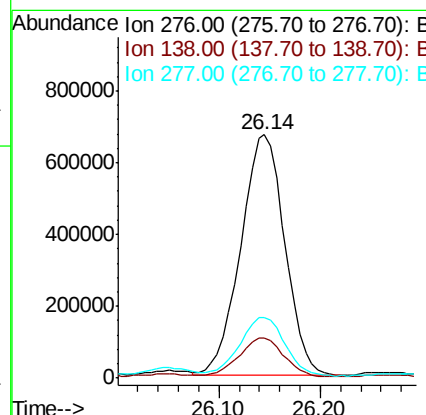
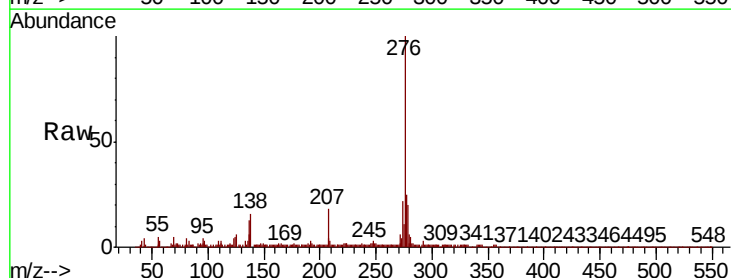
Instrument :
BNA_P
ClientSampleId :
A54A1MSD

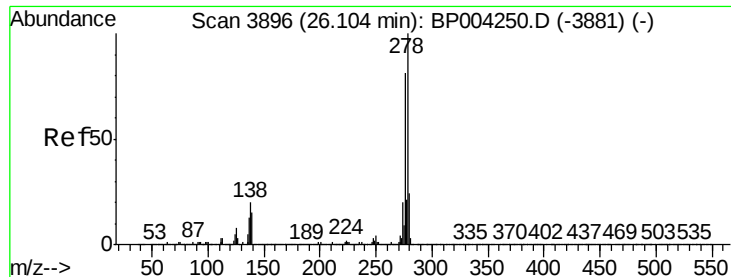
Tot Ion:252 Resp: 2325046
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 9.5 7.8 11.6



#92
Indeno(1,2,3-cd)pyrene
Concen: 11.954 ng/ul
RT: 26.14 min Scan# 3903
Delta R.T. 0.06 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

Tgt Ion:276 Resp: 2017801
Ion Ratio Lower Upper
276 100
138 16.4 17.8 26.6#
277 24.9 19.8 29.6





#93

Dibenzo(a,h)anthracene

Concen: 3.228 ng/ul

RT: 26.15 min Scan# 3904

Delta R.T. 0.05 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

Instrument :

BNA_P

ClientSampleId :

A54A1MSD

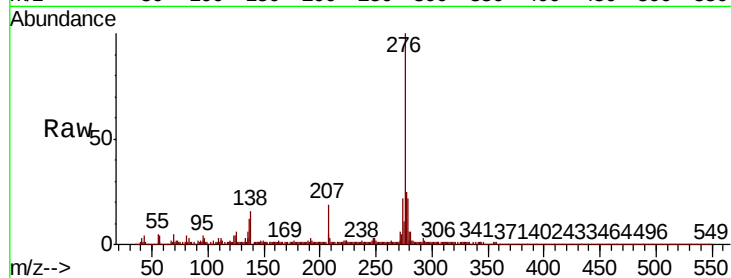
Tot Ion:278 Resp: 456703

Ion Ratio Lower Upper

278 100

139 0.0 11.9 17.9#

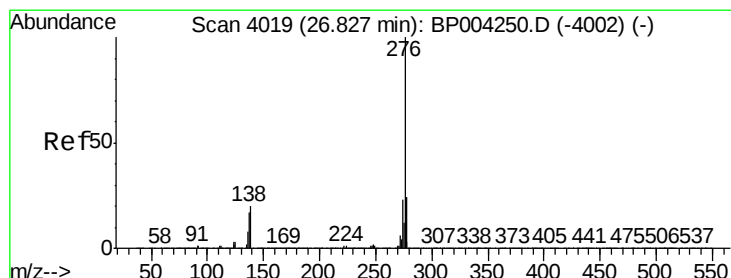
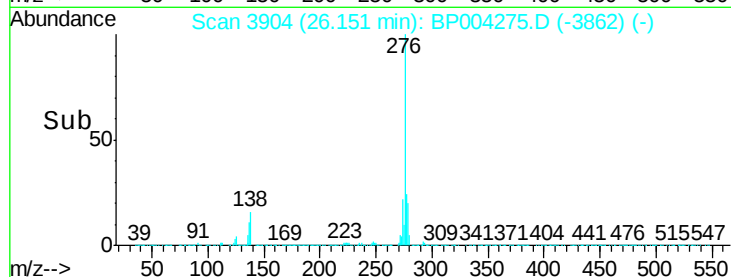
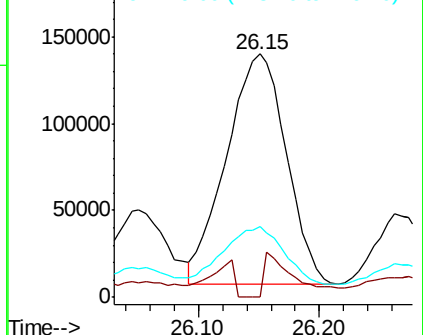
279 28.9 18.6 28.0#



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: 12.001 ng/ul

RT: 26.89 min Scan# 4030

Delta R.T. 0.06 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

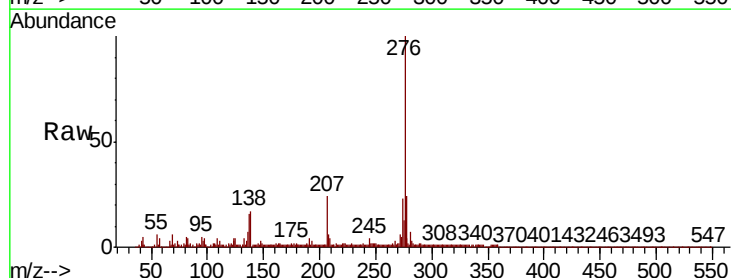
Tgt Ion:276 Resp: 1699436

Ion Ratio Lower Upper

276 100

138 17.0 16.6 25.0

277 24.1 18.5 27.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

