

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121620\
 Data File : BP004330.D
 Acq On : 16 Dec 2020 18:21
 Operator : CG/JU
 Sample : L5001-10DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A54C8DL

Quant Time: Dec 17 00:15:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 00:04:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	276573	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1156818	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.48	164	712259	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.25	188	1536663	20.00	ng/ul	0.00
78) Chrysene-d12	21.34	240	1590834	20.00	ng/ul	0.00
86) Perylene-d12	23.70	264	1701140	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	2753	0.35	ng/uL	0.00
5) Phenol-d5	7.00	99	55148	2.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	31954	2.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	46190	2.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	42784	2.47	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	23322	2.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	24160	3.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	48110	2.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	43498	2.04	ng/ul	0.00
44) Dimethylphthalate-d6	13.89	166	143835	2.64	ng/ul	0.00
47) Acenaphthylene-d8	14.17	160	187859	2.70	ng/ul	0.00
52) 4-Nitrophenol-d4	14.68	143	16320	1.77	ng/ul	0.00
58) Fluorene-d10	15.48	176	131144	2.66	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.60	200	9887	1.34	ng/ul	0.00
71) Anthracene-d10	17.35	188	219465	2.93	ng/ul	0.00
79) Pyrene-d10	19.59	212	259650	3.13	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.55	264	273505	3.05	ng/ul	0.00

Target Compounds

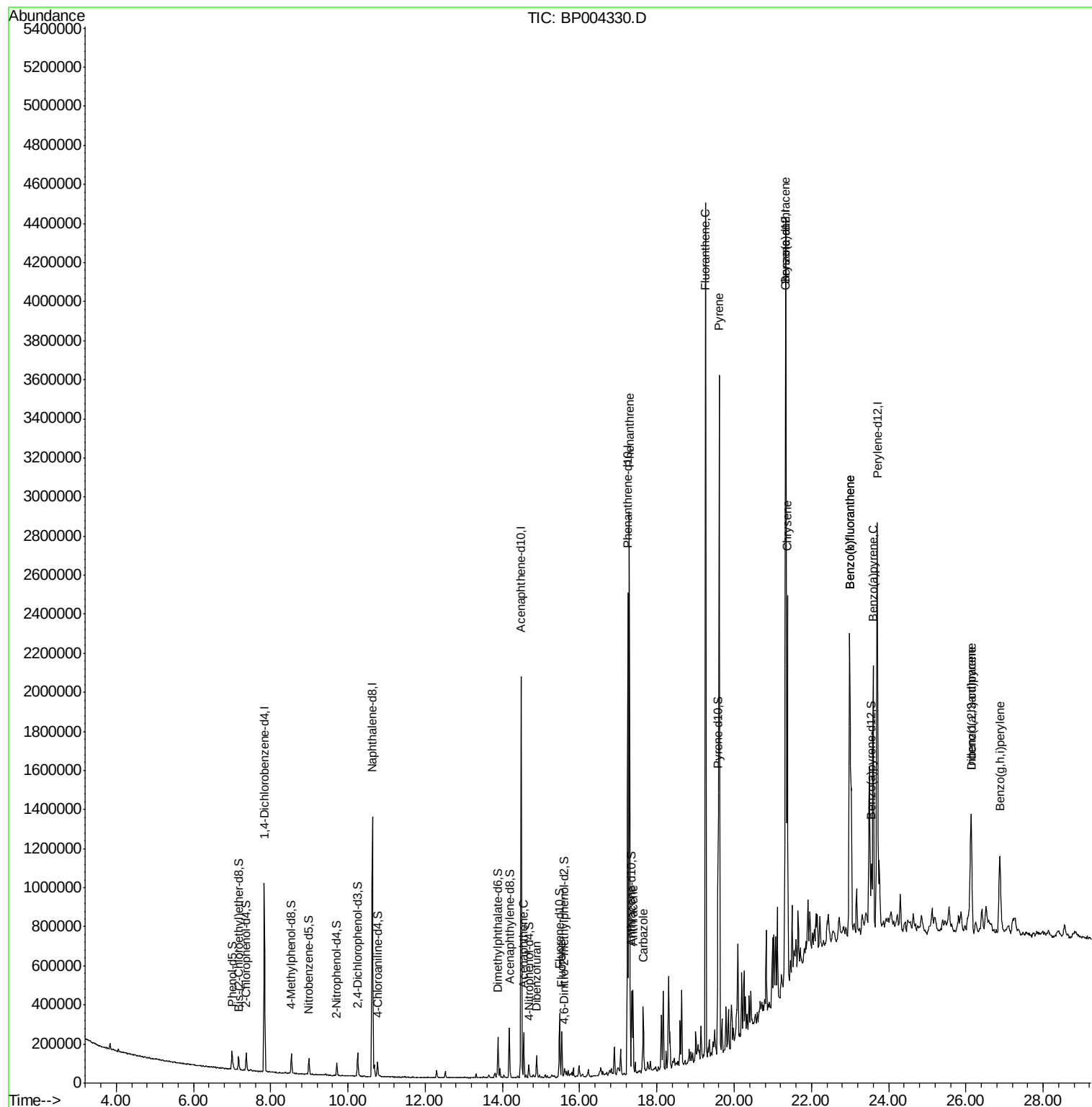
					Ovalue
50) Acenaphthene	14.55	153	93529	1.916	ng/ul 100
54) Dibenzofuran	14.88	168	70270	1.022	ng/ul 99
59) Fluorene	15.53	166	98645	1.793	ng/ul 98
70) Phenanthrene	17.29	178	1756474	19.375	ng/ul 100
72) Anthracene	17.38	178	285030	3.178	ng/ul 99
75) Carbazole	17.65	167	213575	2.926	ng/ul 100
77) Fluoranthene	19.26	202	2674806	27.632	ng/ul 97
80) Pyrene	19.61	202	2249008	20.958	ng/ul 99
83) Benzo(a)anthracene	21.32	228	1128564	10.762	ng/ul 99
85) Chrysene	21.37	228	1090280	10.599	ng/ul 98
88) Benzo(b)fluoranthene	22.99	252	1441432	13.361	ng/ul 98
89) Benzo(k)fluoranthene	22.99	252	1441432	13.010	ng/ul 98
91) Benzo(a)pyrene	23.60	252	942678	9.364	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	26.13	276	645261	5.111	ng/ul 95
93) Dibenzo(a,h)anthracene	26.14	278	170568	1.612	ng/ul# 89
94) Benzo(g,h,i)perylene	26.88	276	513907	4.852	ng/ul 96

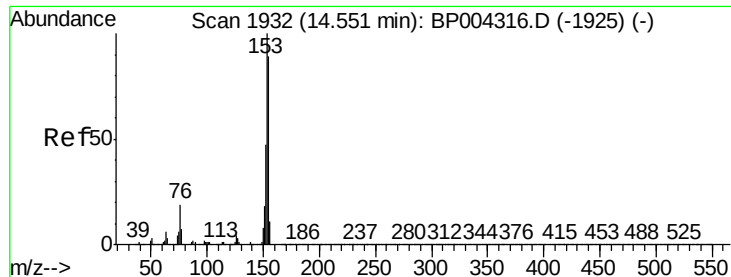
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 00:04:11 2020
Response via : Initial Calibration





#50

Acenaphthene

Concen: 1.916 ng/ul

RT: 14.55 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BP004330.D

Acq: 16 Dec 2020 18:21

Instrument :

BNA_P

ClientSampleId :

A54C8DL

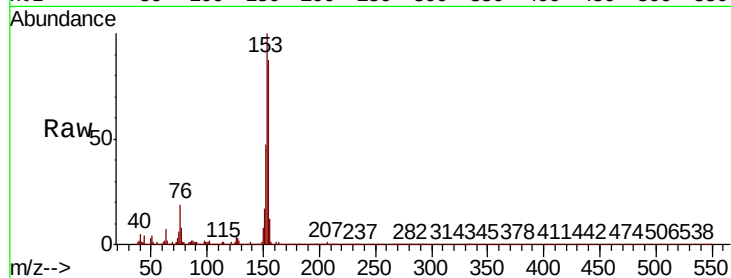
Tot Ion:153 Resp: 93529

Ion Ratio Lower Upper

153 100

152 46.6 37.8 56.6

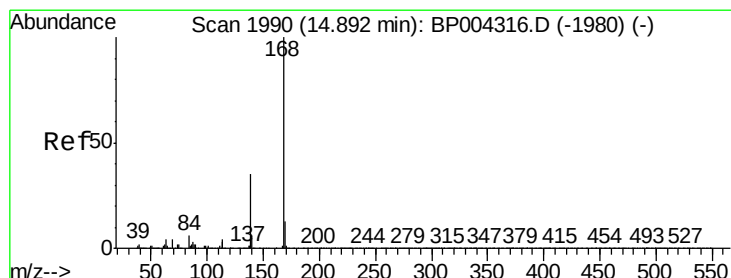
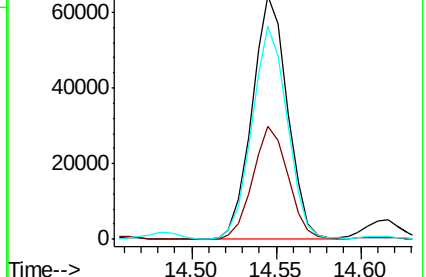
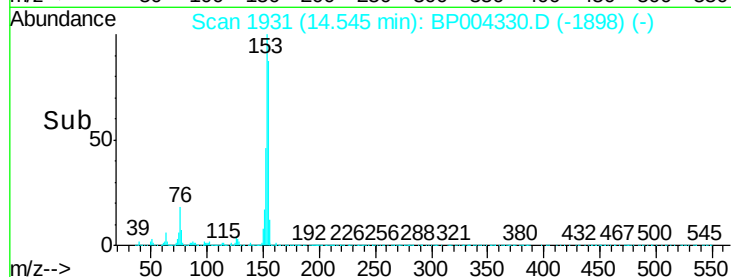
154 87.4 69.8 104.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.022 ng/ul

RT: 14.88 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BP004330.D

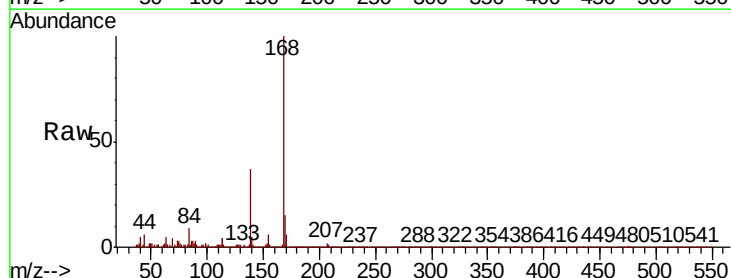
Acq: 16 Dec 2020 18:21

Tgt Ion:168 Resp: 70270

Ion Ratio Lower Upper

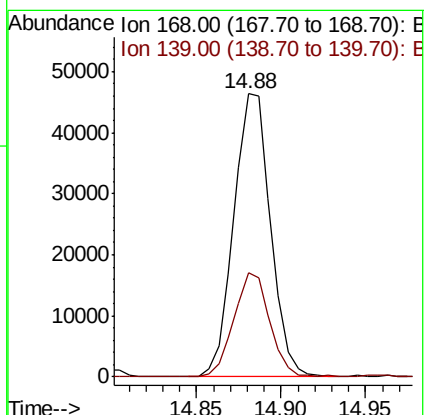
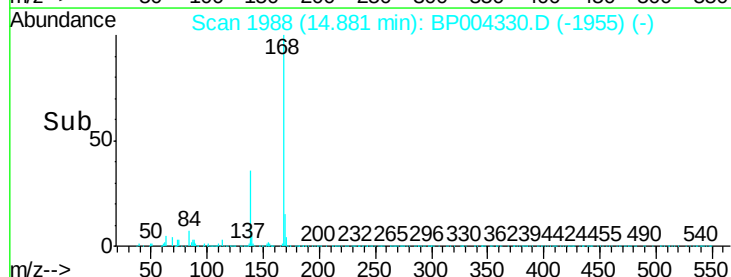
168 100

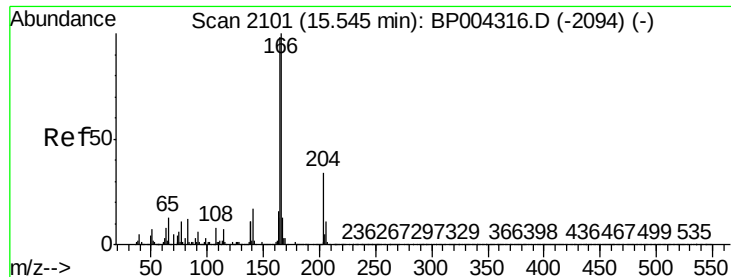
139 36.7 29.0 43.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.793 ng/ul

RT: 15.53 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BP004330.D

Acq: 16 Dec 2020 18:21

Instrument :

BNA_P

ClientSampleId :

A54C8DL

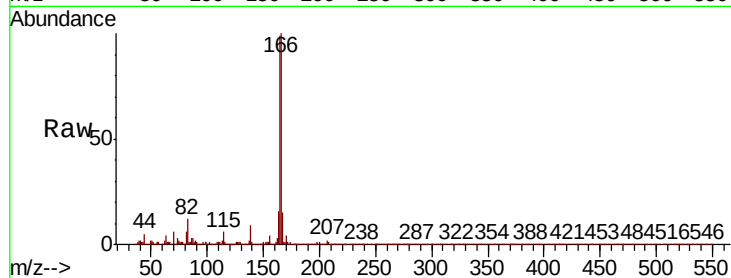
Tot Ion:166 Resp: 98645

Ion Ratio Lower Upper

166 100

165 99.3 78.2 117.2

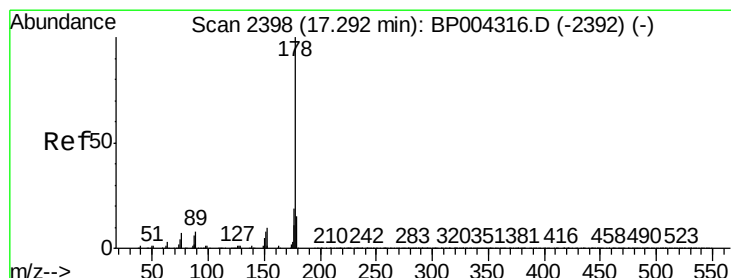
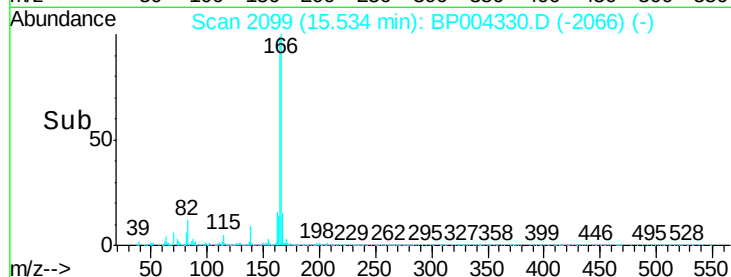
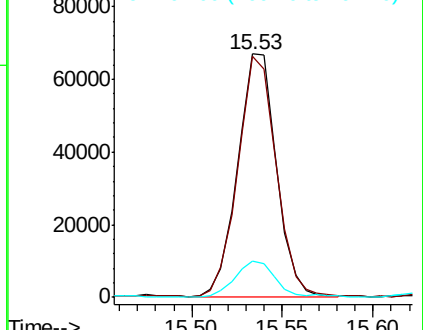
167 15.0 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 19.375 ng/ul

RT: 17.29 min Scan# 2397

Delta R.T. 0.00 min

Lab File: BP004330.D

Acq: 16 Dec 2020 18:21

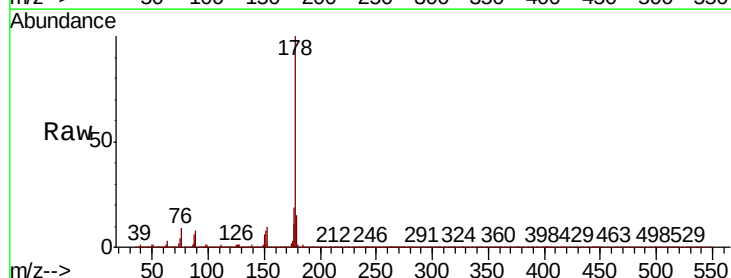
Tgt Ion:178 Resp: 1756474

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

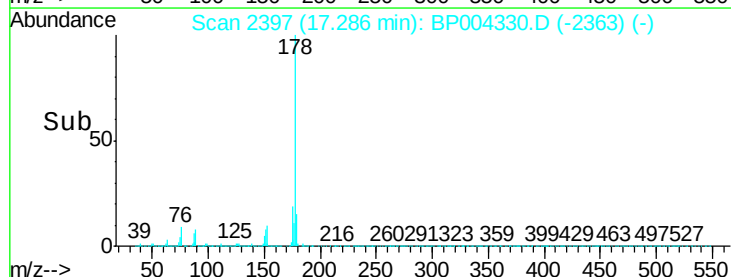
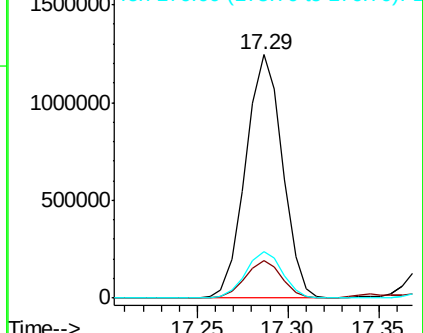
176 19.0 15.4 23.0

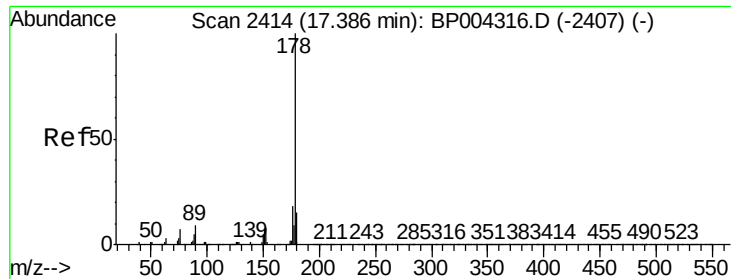


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.178 ng/ul

RT: 17.38 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BP004330.D

Acq: 16 Dec 2020 18:21

Instrument :

BNA_P

ClientSampleId :

A54C8DL

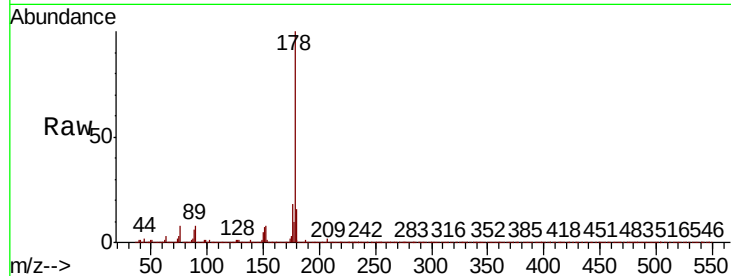
Tot Ion:178 Resp: 285030

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	17.8	14.9	22.3

178 100

179 15.6 12.3 18.5

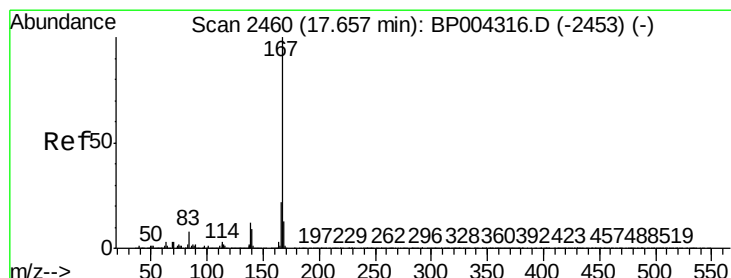
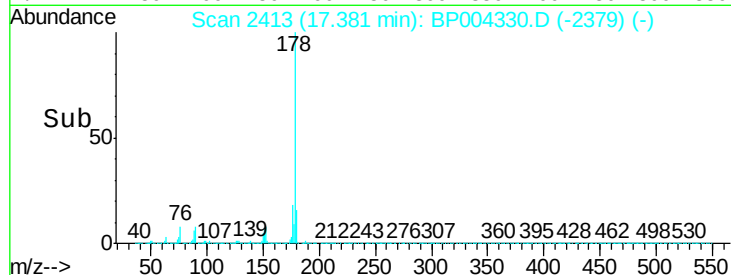
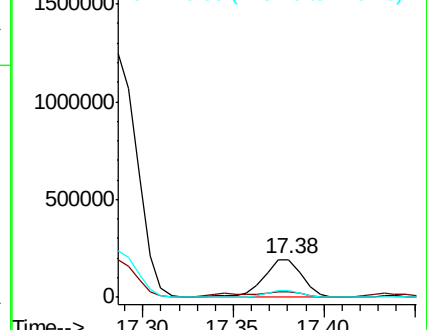
176 17.8 14.9 22.3



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: 2.926 ng/ul

RT: 17.65 min Scan# 2458

Delta R.T. 0.00 min

Lab File: BP004330.D

Acq: 16 Dec 2020 18:21

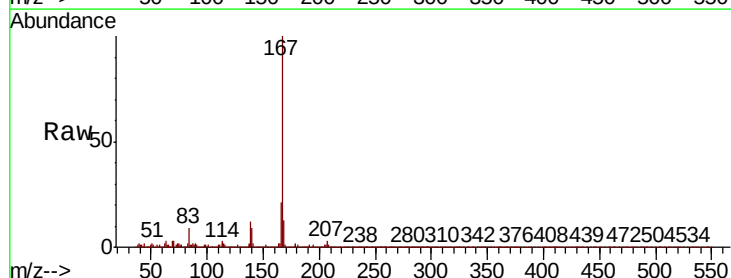
Tgt Ion:167 Resp: 213575

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	12.4	9.8	14.6

167 100

166 21.3 17.1 25.7

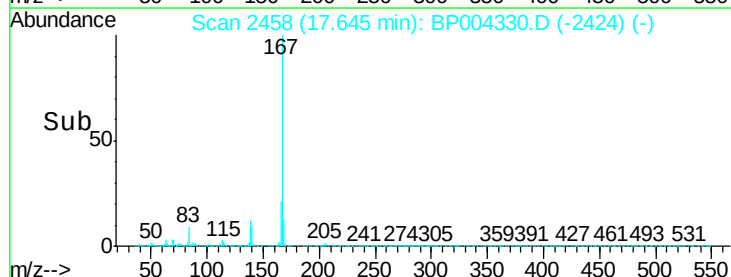
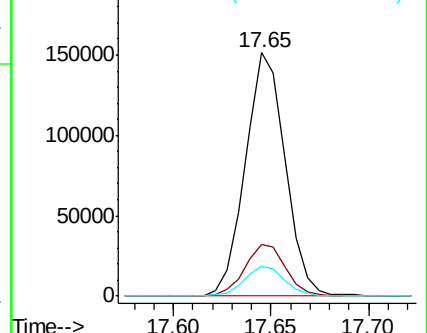
139 12.4 9.8 14.6

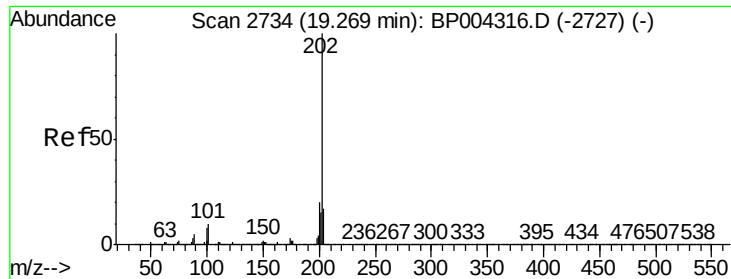


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

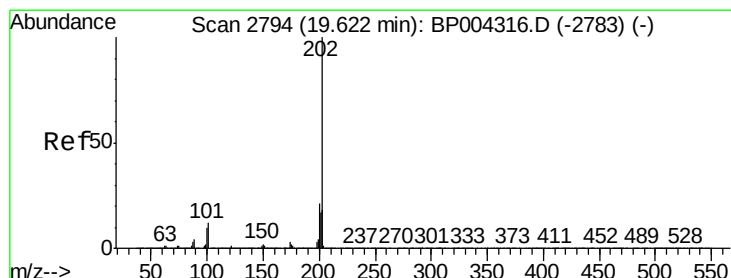
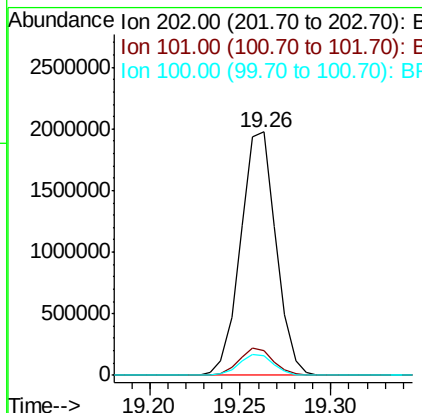
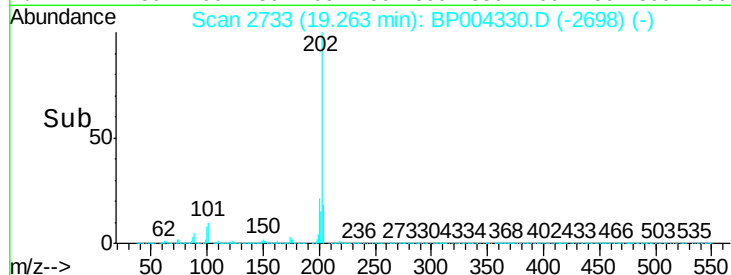
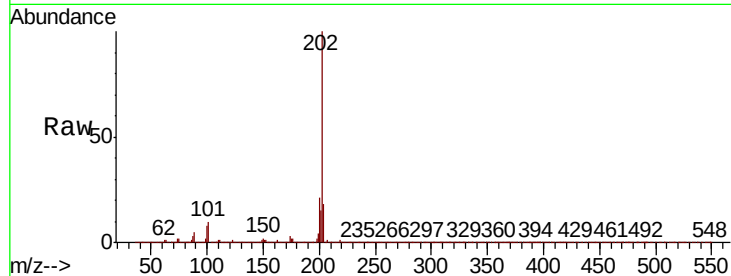




#77
Fluoranthene
Concen: 27.632 ng/ul
RT: 19.26 min Scan# 2733
Delta R.T. 0.01 min
Lab File: BP004330.D
Acq: 16 Dec 2020 18:21

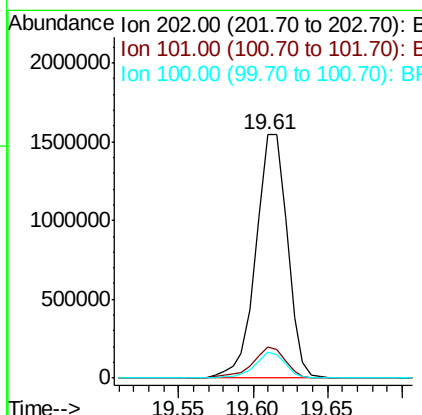
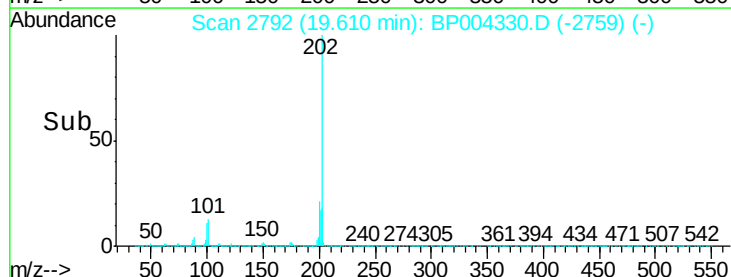
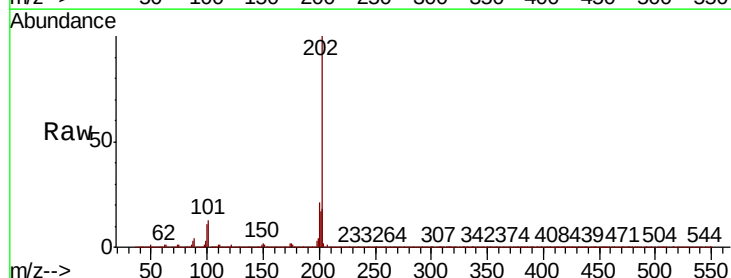
Instrument :
BNA_P
ClientSampleId :
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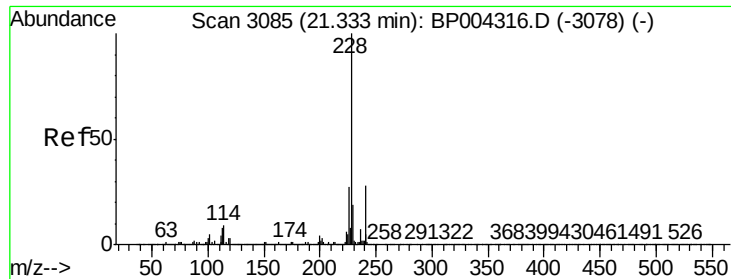
Tot Ion:202 Resp: 2674806
Ion Ratio Lower Upper
202 100
101 10.1 9.1 13.7
100 7.8 7.1 10.7



#80
Pyrene
Concen: 20.958 ng/ul
RT: 19.61 min Scan# 2792
Delta R.T. -0.01 min
Lab File: BP004330.D
Acq: 16 Dec 2020 18:21

Tgt Ion:202 Resp: 2249008
Ion Ratio Lower Upper
202 100
101 12.9 10.6 15.8
100 10.6 8.6 12.8





#83

Benzo(a)anthracene

Concen: 10.762 ng/ul

RT: 21.32 min Scan# 3083

Delta R.T. 0.00 min

Lab File: BP004330.D

Acq: 16 Dec 2020 18:21

Instrument :

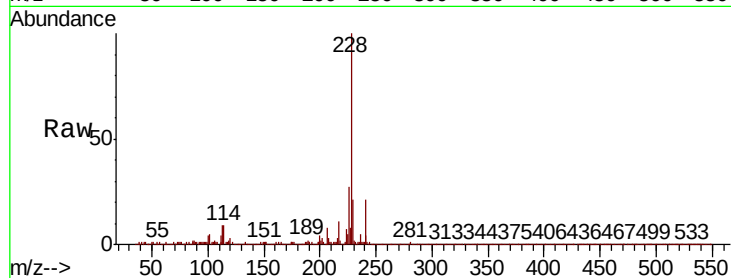
BNA_P

ClientSampleId :

A54C8DL

Tot Ion:228 Resp: 1128564

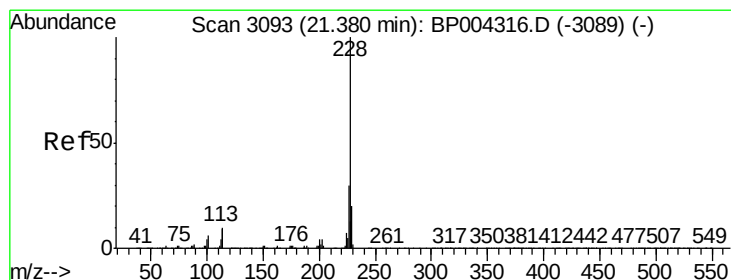
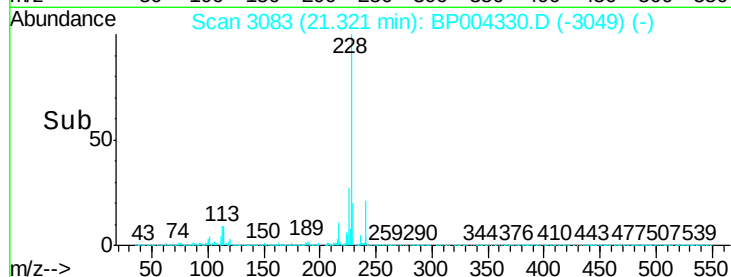
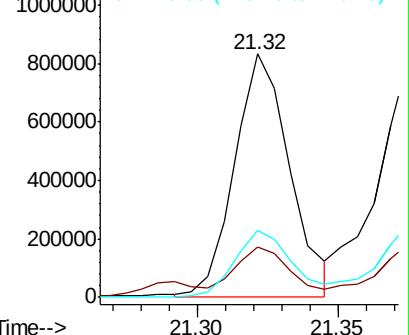
Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.8
226	27.3	21.7	32.5



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: 10.599 ng/ul

RT: 21.37 min Scan# 3092

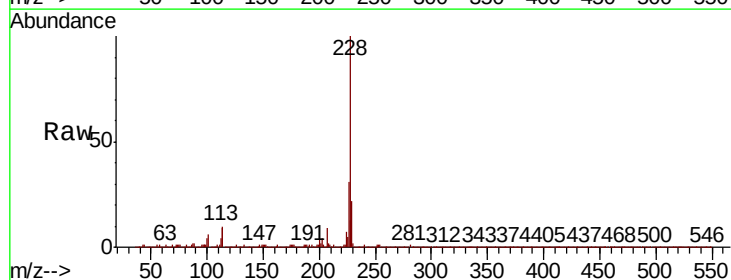
Delta R.T. 0.00 min

Lab File: BP004330.D

Acq: 16 Dec 2020 18:21

Tgt Ion:228 Resp: 1090280

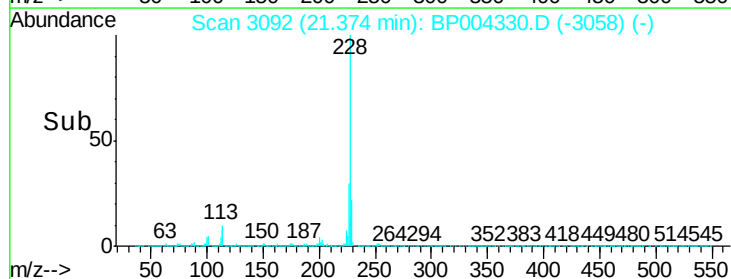
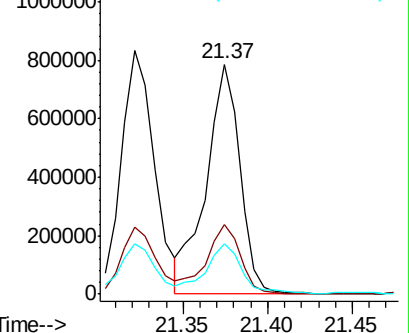
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	22.2	15.8	23.8

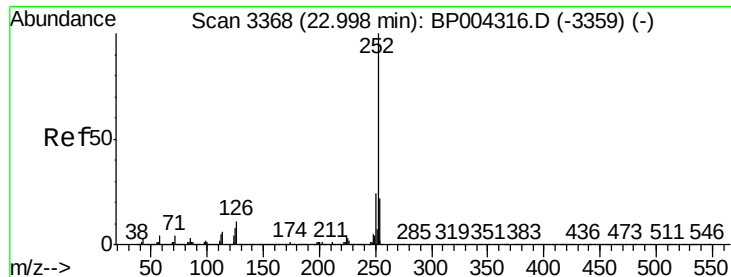


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 13.361 ng/ul

RT: 22.99 min Scan# 3366

Delta R.T. 0.01 min

Lab File: BP004330.D

Acq: 16 Dec 2020 18:21

Instrument :

BNA_P

ClientSampleId :

A54C8DL

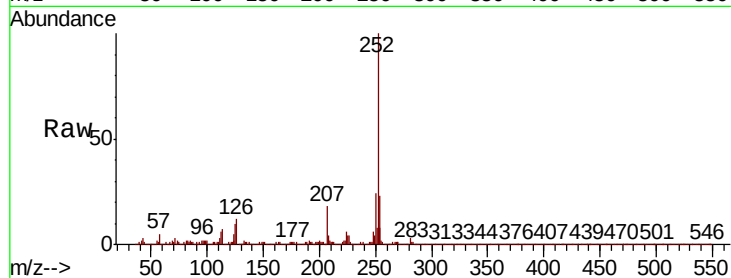
Tot Ion:252 Resp: 1441432

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

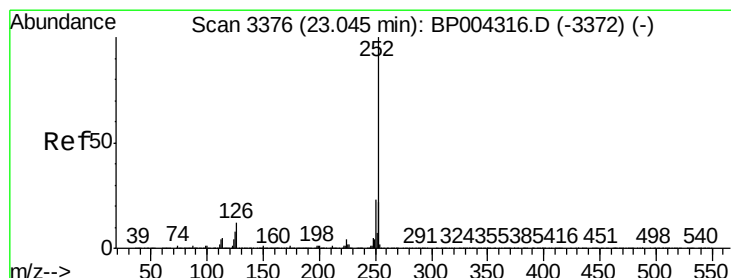
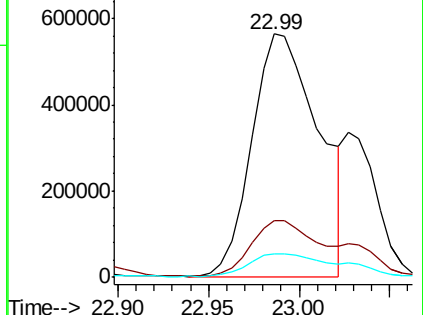
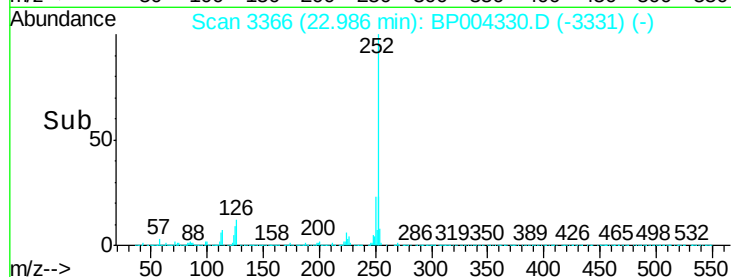
125 9.7 7.7 11.5



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: 13.010 ng/ul

RT: 22.99 min Scan# 3366

Delta R.T. -0.05 min

Lab File: BP004330.D

Acq: 16 Dec 2020 18:21

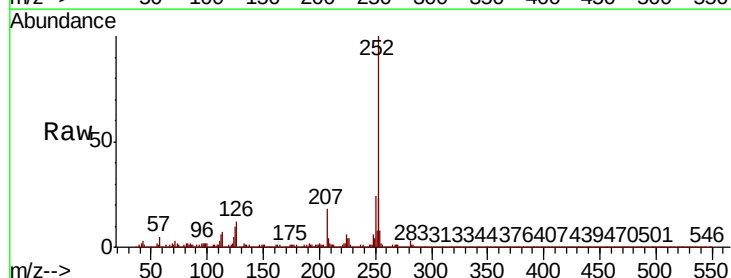
Tgt Ion:252 Resp: 1441432

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

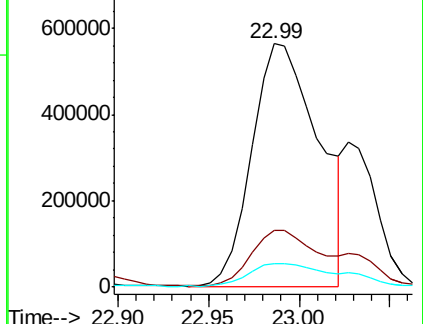
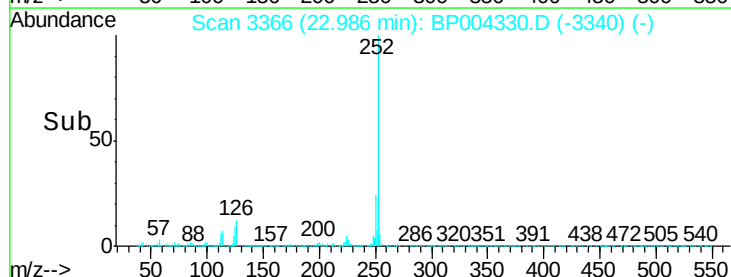
125 9.7 7.3 10.9

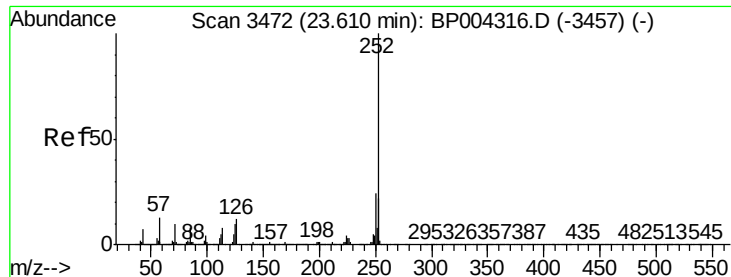


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

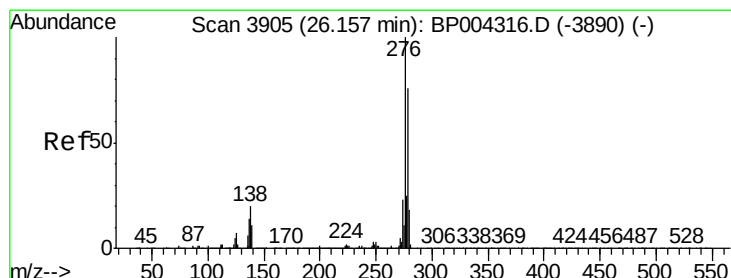
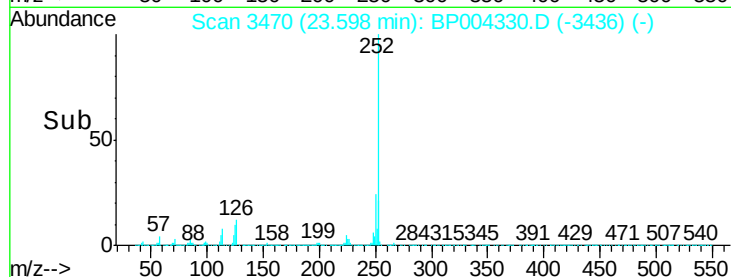
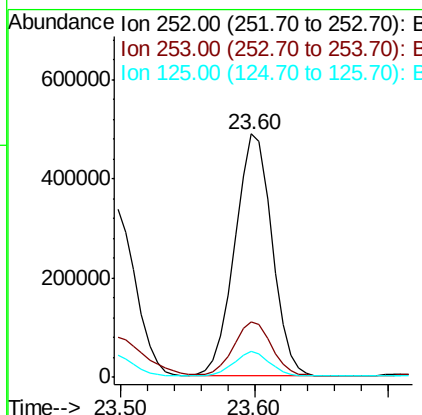
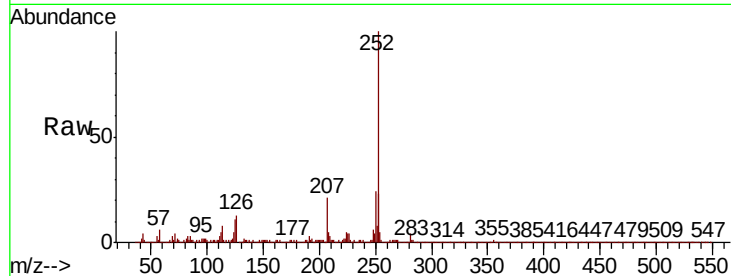




#91
Benzo(a)pyrene
Concen: 9.364 ng/ul
RT: 23.60 min Scan# 3470
Delta R.T. 0.00 min
Lab File: BP004330.D
Acq: 16 Dec 2020 18:21

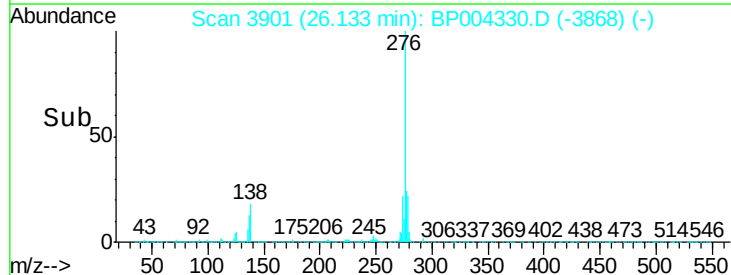
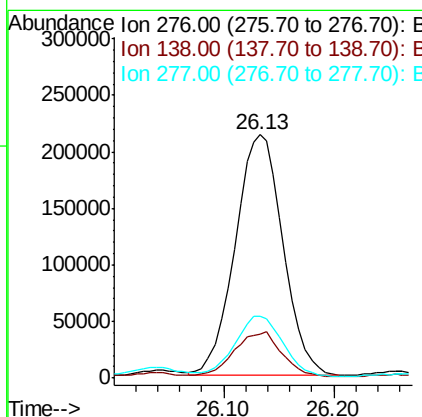
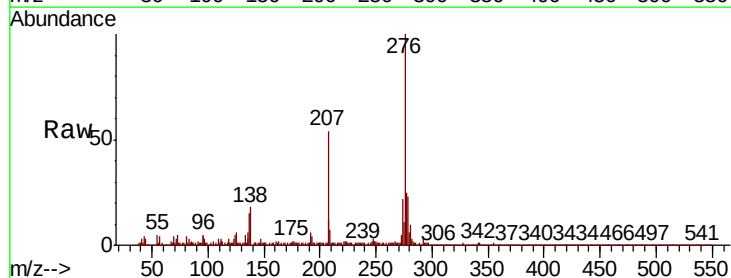
Instrument :
BNA_P
ClientSampleId :
A54C8DL

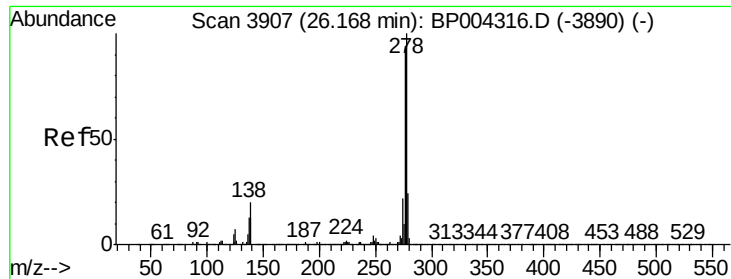
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	10.6	7.8	11.6



#92
Indeno(1,2,3-cd)pyrene
Concen: 5.111 ng/ul
RT: 26.13 min Scan# 3901
Delta R.T. -0.01 min
Lab File: BP004330.D
Acq: 16 Dec 2020 18:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.1	17.8	26.6
277	25.3	19.8	29.6





#93

Dibenzo(a,h)anthracene

Concen: 1.612 ng/ul

RT: 26.14 min Scan# 3902

Delta R.T. -0.01 min

Lab File: BP004330.D

Acq: 16 Dec 2020 18:21

Instrument :

BNA_P

ClientSampleId :

A54C8DL

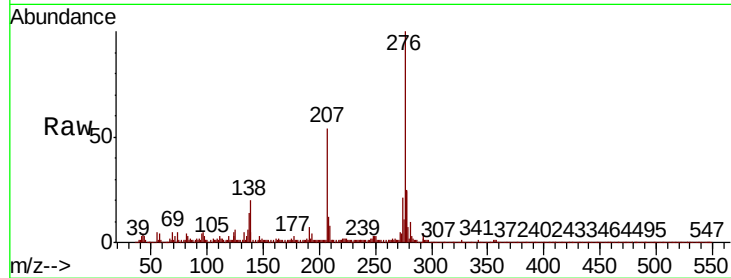
Tot Ion:278 Resp: 170568

Ion Ratio Lower Upper

278 100

139 21.3 11.9 17.9#

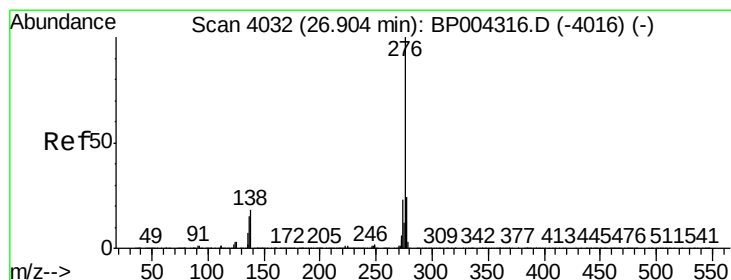
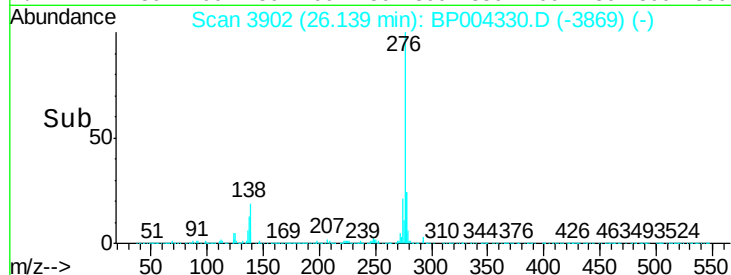
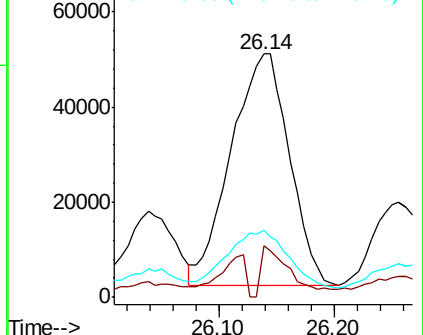
279 27.7 18.6 28.0



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: 4.852 ng/ul

RT: 26.88 min Scan# 4028

Delta R.T. 0.00 min

Lab File: BP004330.D

Acq: 16 Dec 2020 18:21

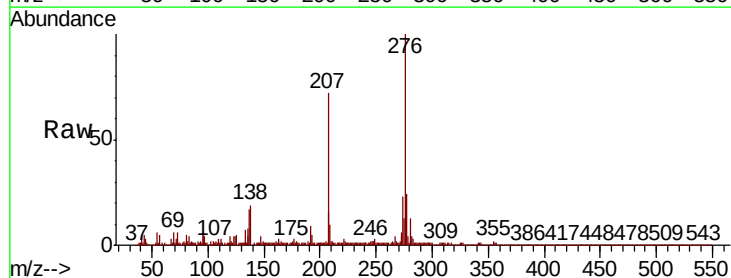
Tgt Ion:276 Resp: 513907

Ion Ratio Lower Upper

276 100

138 18.6 16.6 25.0

277 24.4 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

