

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP090919\
 Data File : BP000148.D
 Acq On : 09 Sep 2019 21:40
 Operator : HP/JU
 Sample : K4634-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 10 03:38:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 02:43:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	362790	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1400851	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	770527	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.45	188	1394896	20.00	ng/ul	0.00
78) Chrysene-d12	14.14	240	1132927	20.00	ng/ul	0.00
86) Perylene-d12	15.68	264	1157755	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.60	96	32997	3.23	ng/uL	0.00
5) Phenol-d5	6.50	99	589064	19.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.57	67	311629	19.29	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	487685	19.52	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	437190	18.83	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	226565	21.30	ng/ul	0.00
22) 2-Nitrophenol-d4	7.78	143	237549	22.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.01	165	437136	19.89	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	491607	18.09	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	1250875	21.99	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	1511649	21.50	ng/ul	0.00
52) 4-Nitrophenol-d4	10.03	143	161905	15.93	ng/ul	0.00
58) Fluorene-d10	10.46	176	1044236	21.61	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.52	200	109529	17.08	ng/ul	0.00
71) Anthracene-d10	11.50	188	1516735	22.45	ng/ul	0.00
79) Pyrene-d10	12.89	212	1648596	24.47	ng/ul	0.00
90) Benzo(a)pyrene-d12	15.59	264	1461440	24.35	ng/ul	0.00

Target Compounds

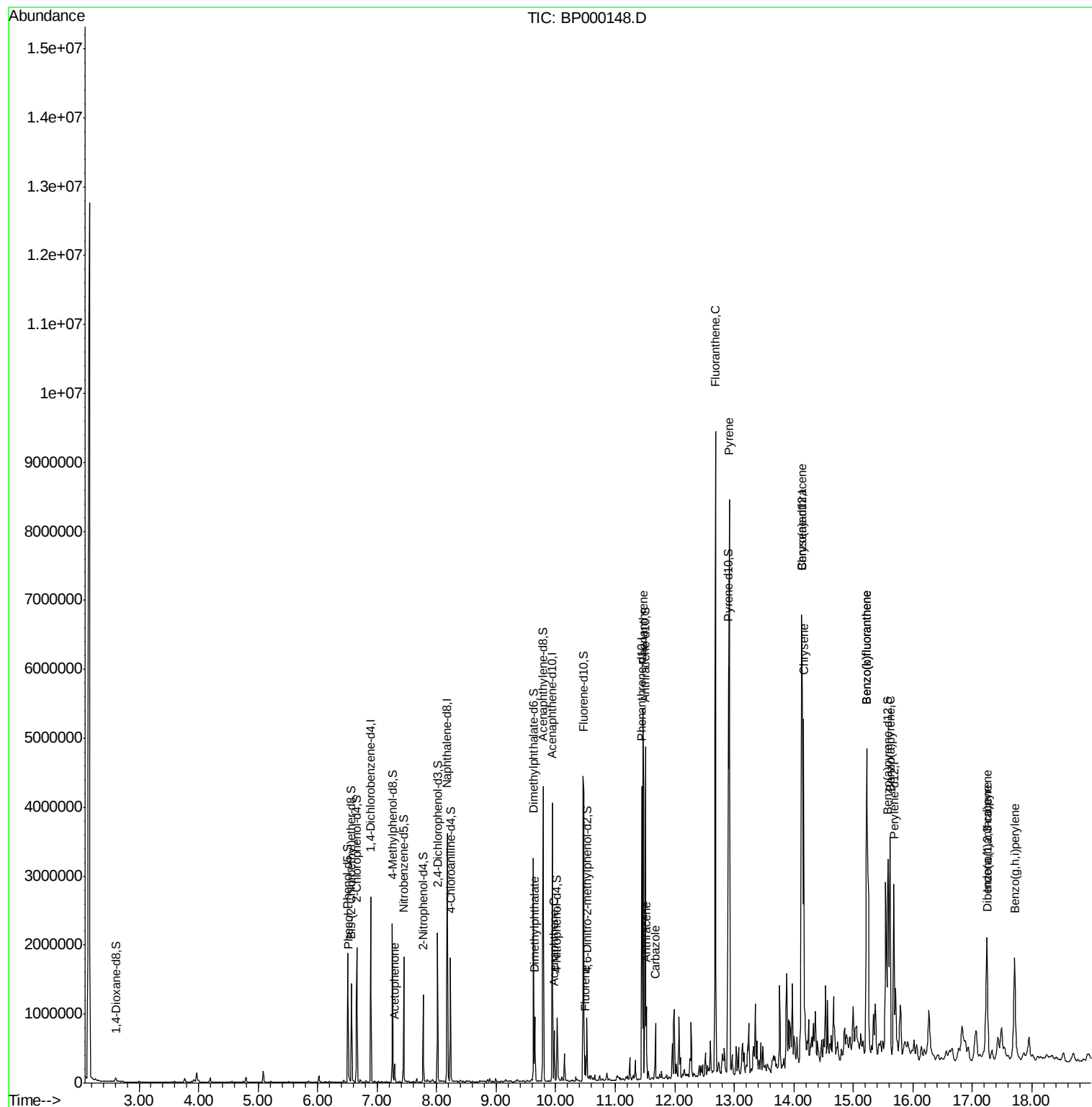
					Ovalue
6) Phenol	6.52	94	106394	3.304	ng/ul 96
14) Acetophenone	7.29	105	69135	1.985	ng/ul 100
45) Dimethylphthalate	9.65	163	315648	5.498	ng/ul 99
50) Acenaphthene	9.98	153	150861	2.964	ng/ul 98
59) Fluorene	10.49	166	90629	1.678	ng/ul 100
70) Phenanthrene	11.47	178	1894884	22.971	ng/ul 99
72) Anthracene	11.52	178	342275	4.217	ng/ul 100
75) Carbazole	11.67	167	292330	4.212	ng/ul 98
77) Fluoranthene	12.69	202	3898258	46.853	ng/ul 98
80) Pyrene	12.92	202	3160581	36.977	ng/ul 99
83) Benzo(a)anthracene	14.13	228	1784444	21.759	ng/ul 99
85) Chrysene	14.16	228	1920199	25.516	ng/ul 96
88) Benzo(b)fluoranthene	15.23	252	3484742	45.414	ng/ul 99
89) Benzo(k)fluoranthene	15.23	252	3484980	48.180	ng/ul 99
91) Benzo(a)pyrene	15.62	252	1567424	21.771	ng/ul 100
92) Indeno(1,2,3-cd)pyrene	17.25	276	1274445	15.387	ng/ul 99
93) Dibenzo(a,h)anthracene	17.26	278	324269	4.727	ng/ul 95
94) Benzo(g,h,i)perylene	17.71	276	1210929	17.535	ng/ul 99

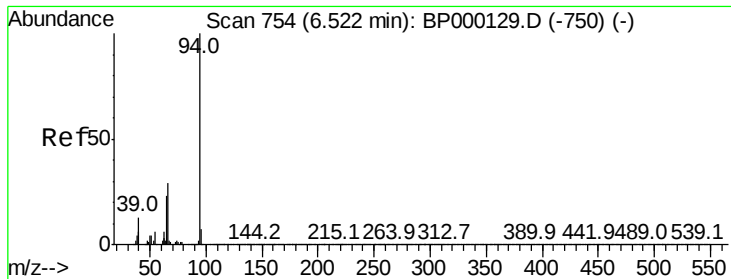
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 3.304 ng/ul

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BP000148.D

Acq: 09 Sep 2019 21:40

Instrument :

BNA_P

ClientSampleId :

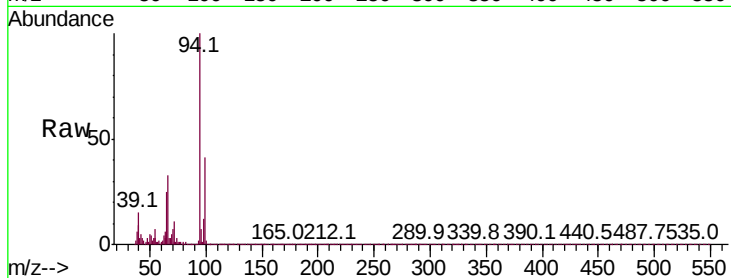
Tot Ion: 94 Resp: 106394

Ion Ratio Lower Upper

94 100

65 24.9 18.8 28.2

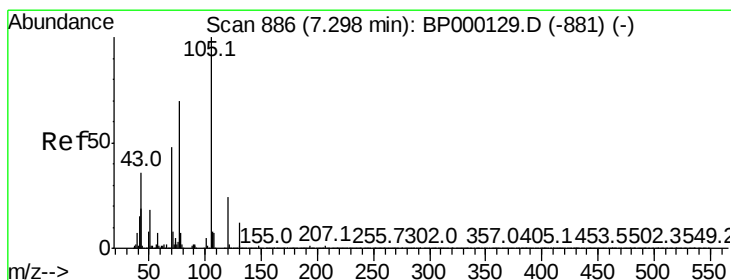
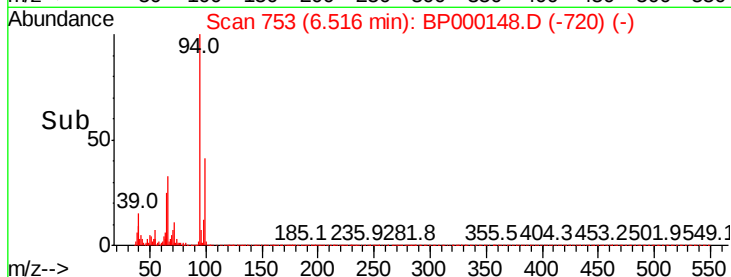
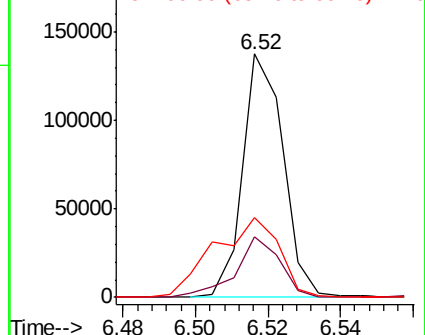
66 33.0 24.2 36.2



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



#14

Acetophenone

Concen: 1.985 ng/ul

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BP000148.D

Acq: 09 Sep 2019 21:40

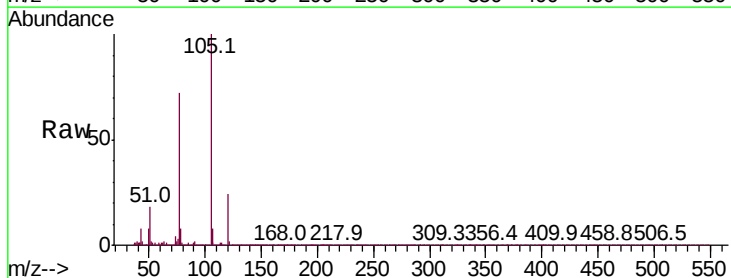
Tgt Ion: 105 Resp: 69135

Ion Ratio Lower Upper

105 100

77 71.8 57.2 85.8

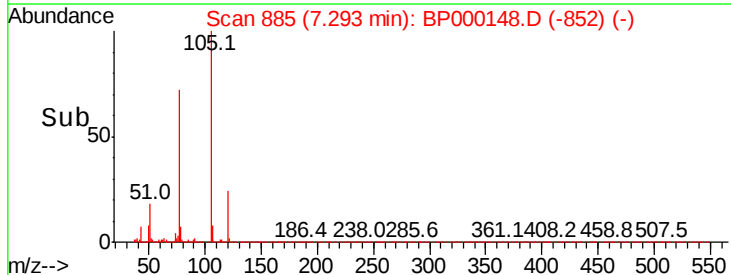
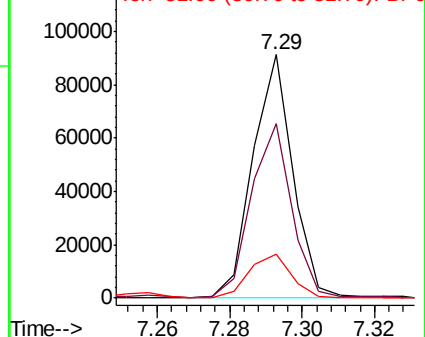
51 18.3 14.7 22.1

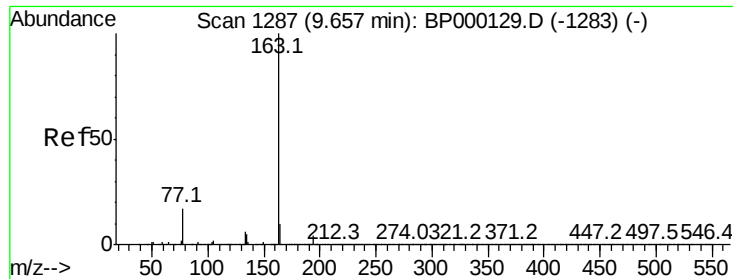


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BP0

Ion 51.00 (50.70 to 51.70): BP0

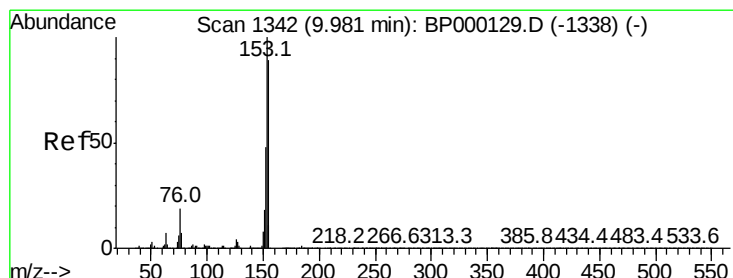
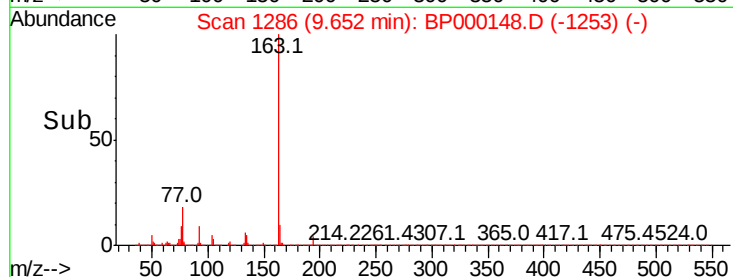
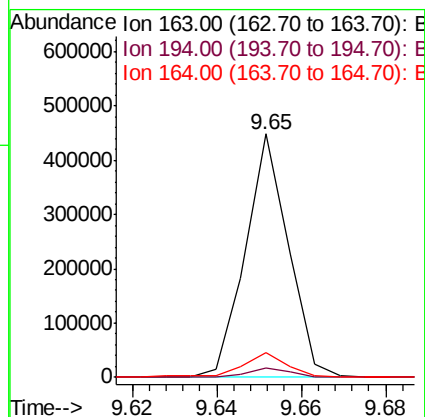
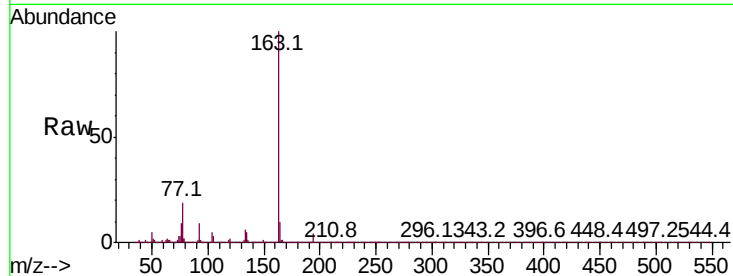




#45
Dimethylphthalate
Concen: 5.498 ng/ul
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BP000148.D
Acq: 09 Sep 2019 21:40

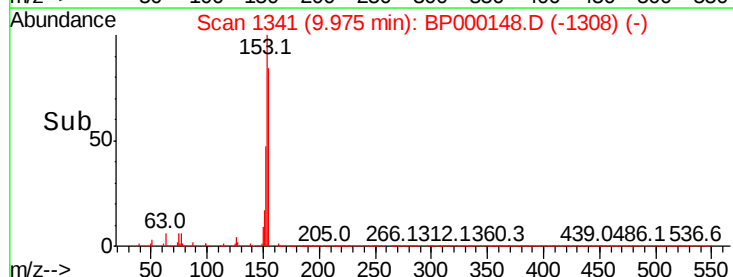
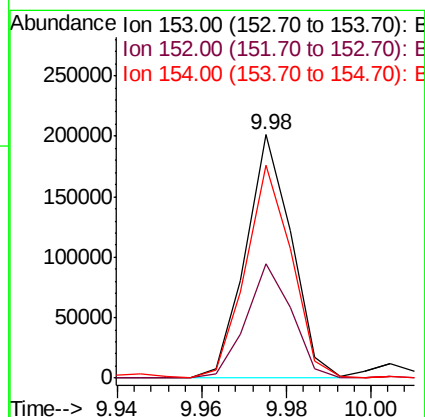
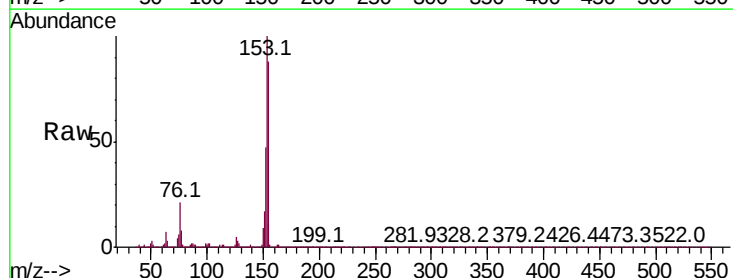
Instrument :
BNA_P
ClientSampleId :

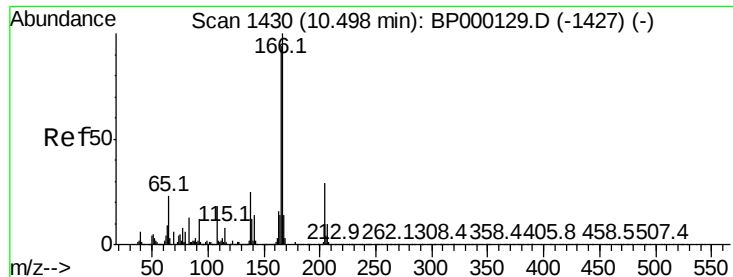
Tot Ion:163 Resp: 315648
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.0 8.4 12.6



#50
Acenaphthene
Concen: 2.964 ng/ul
RT: 9.98 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BP000148.D
Acq: 09 Sep 2019 21:40

Tgt Ion:153 Resp: 150861
Ion Ratio Lower Upper
153 100
152 46.9 38.0 57.0
154 87.5 72.6 108.8





#59

Fluorene

Concen: 1.678 ng/ul

RT: 10.49 min Scan# 1429

Delta R.T. -0.01 min

Lab File: BP000148.D

Acq: 09 Sep 2019 21:40

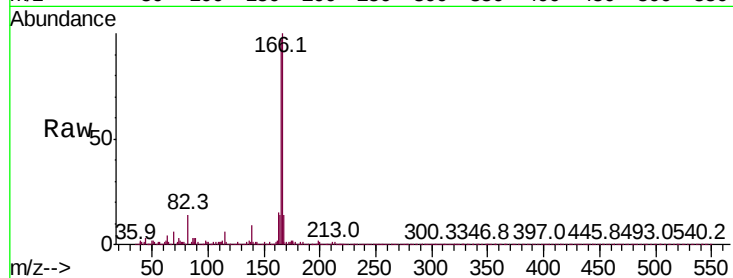
Instrument :

BNA_P

ClientSampleId :

Tot Ion:166 Resp: 90629

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.8	116.8
167	13.9	10.9	16.3

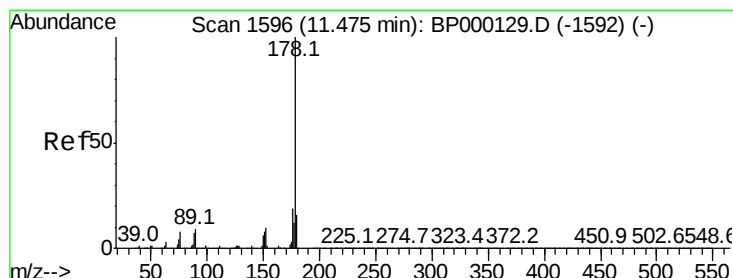
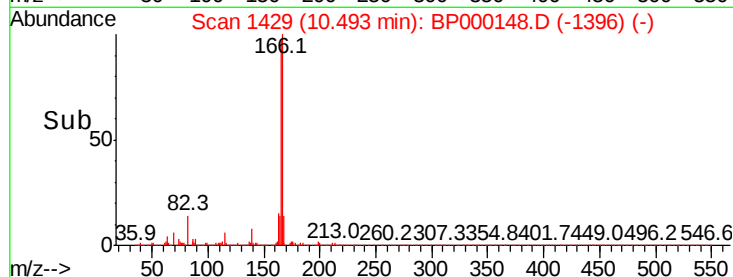
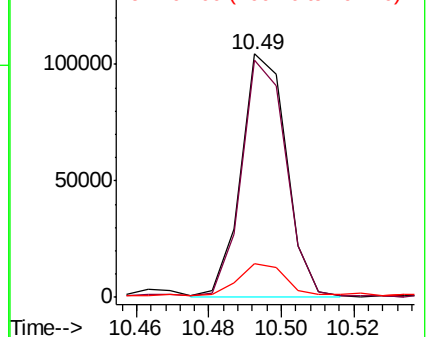


Abundance

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: 22.971 ng/ul

RT: 11.47 min Scan# 1595

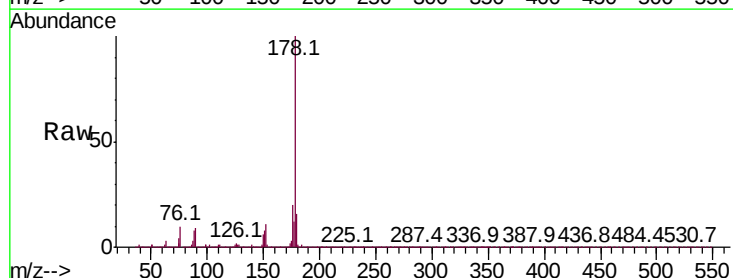
Delta R.T. -0.01 min

Lab File: BP000148.D

Acq: 09 Sep 2019 21:40

Tgt Ion:178 Resp: 1894884

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.5	18.7
176	19.5	15.7	23.5

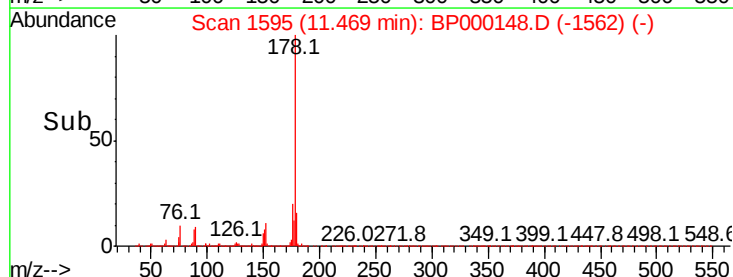
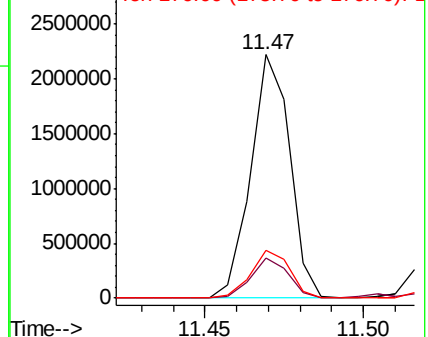


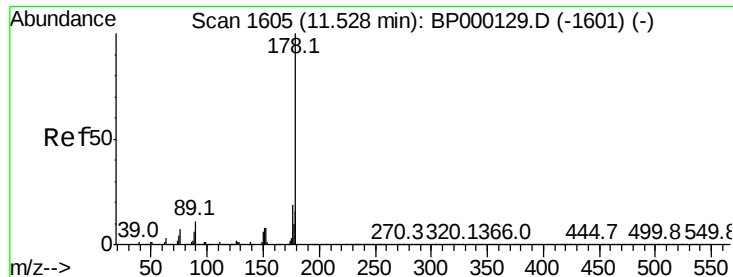
Abundance

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: 4.217 ng/ul

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BP000148.D

Acq: 09 Sep 2019 21:40

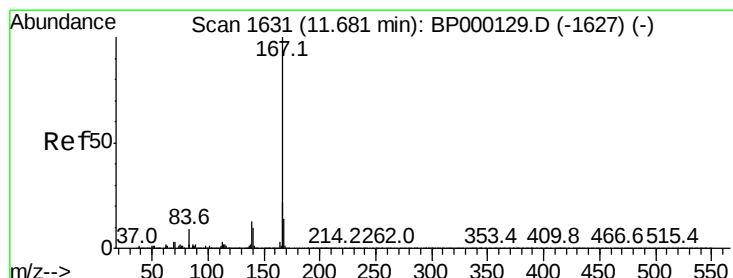
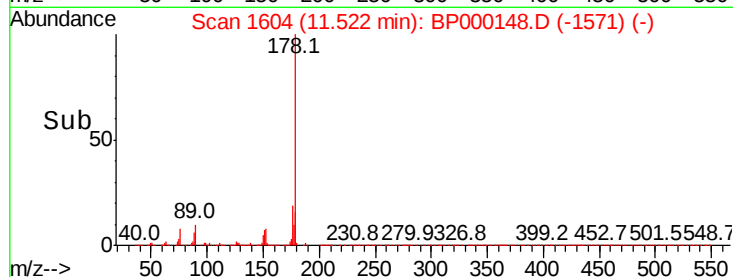
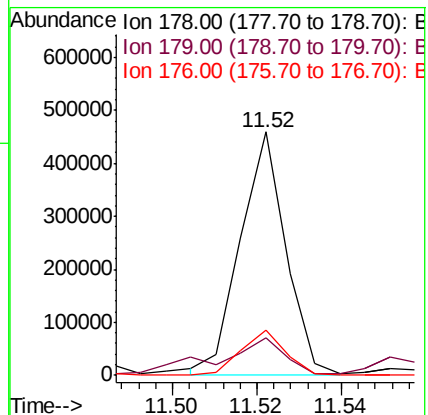
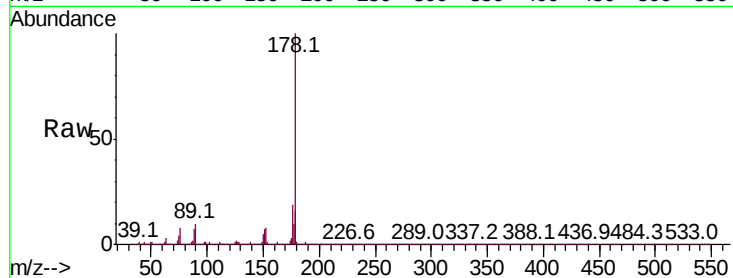
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 342275

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	18.7	15.1	22.7



#75

Carbazole

Concen: 4.212 ng/ul

RT: 11.67 min Scan# 1630

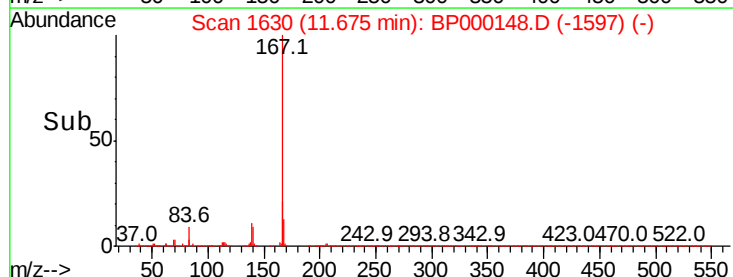
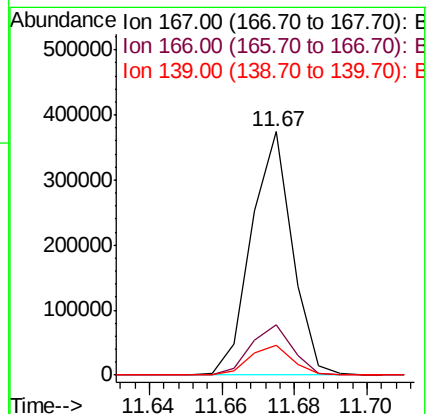
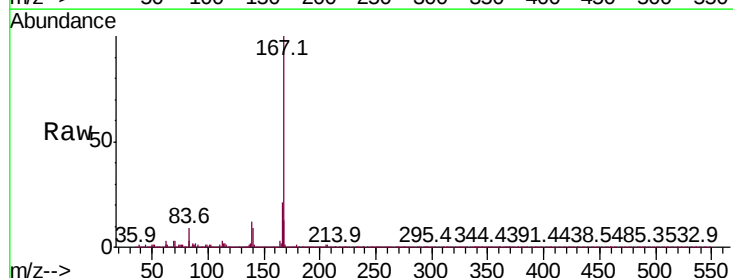
Delta R.T. -0.01 min

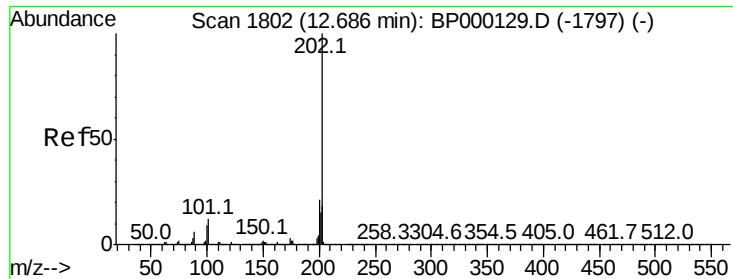
Lab File: BP000148.D

Acq: 09 Sep 2019 21:40

Tgt Ion:167 Resp: 292330

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.3	25.9
139	12.2	10.6	15.8



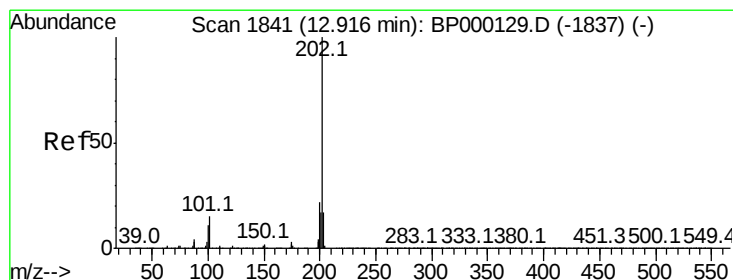
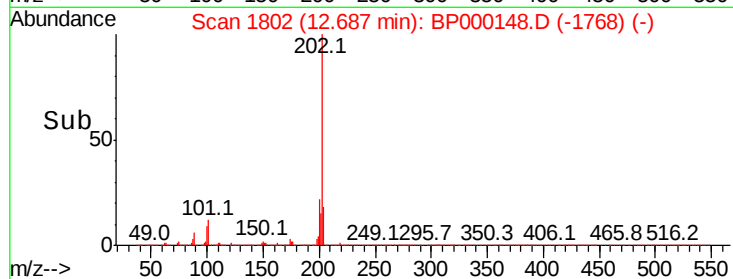
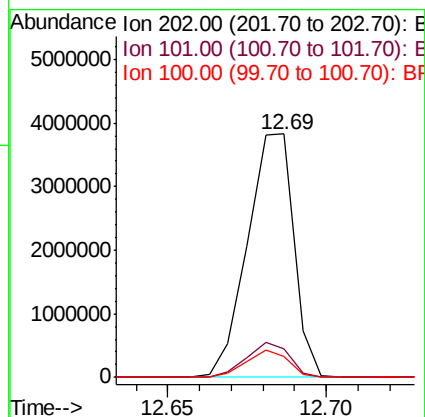
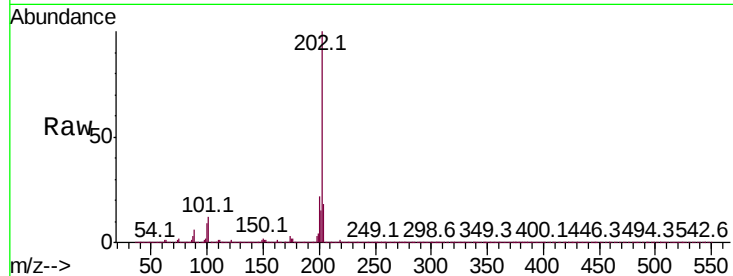


#77
 Fluoranthene
 Concen: 46.853 ng/ul
 RT: 12.69 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: BP000148.D
 Acq: 09 Sep 2019 21:40

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:202 Resp: 3898258

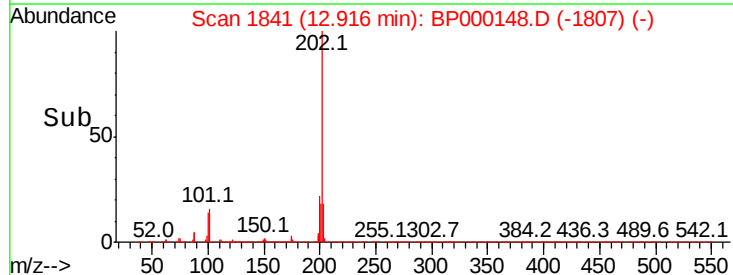
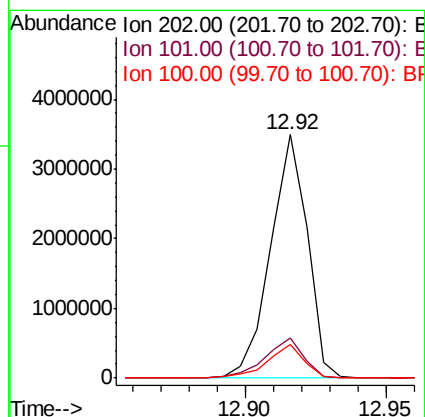
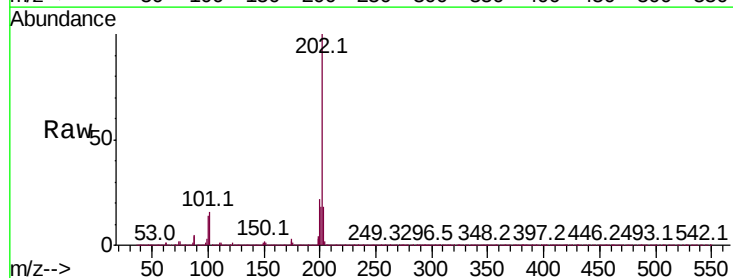
Ion	Ratio	Lower	Upper
202	100		
101	11.6	10.0	15.0
100	8.8	7.4	11.2

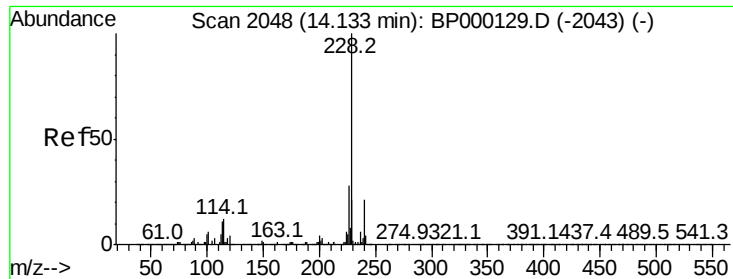


#80
 Pyrene
 Concen: 36.977 ng/ul
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BP000148.D
 Acq: 09 Sep 2019 21:40

Tgt Ion:202 Resp: 3160581

Ion	Ratio	Lower	Upper
202	100		
101	16.4	13.4	20.0
100	13.6	10.8	16.2

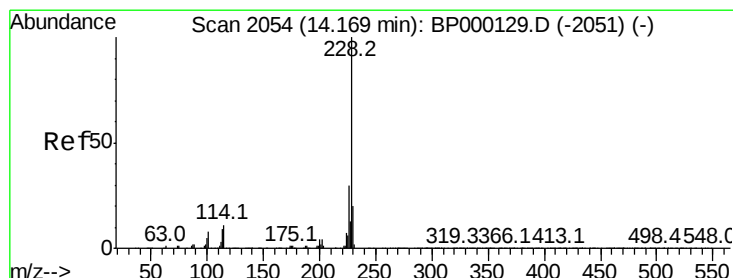
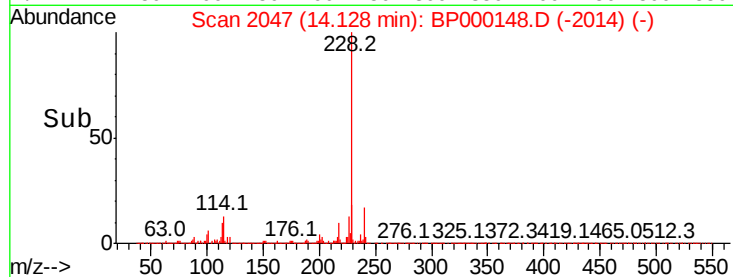
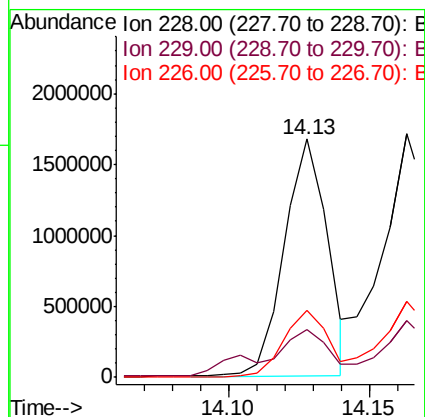
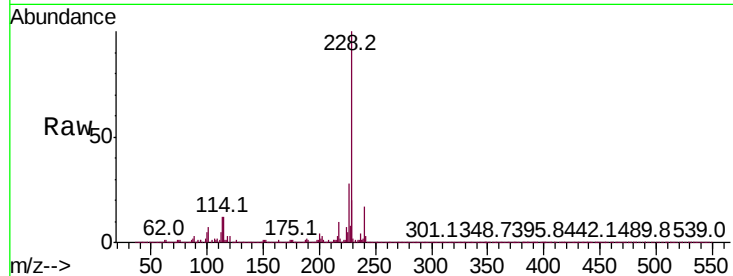




#83
Benzo(a)anthracene
Concen: 21.759 ng/ul
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BP000148.D
Acq: 09 Sep 2019 21:40

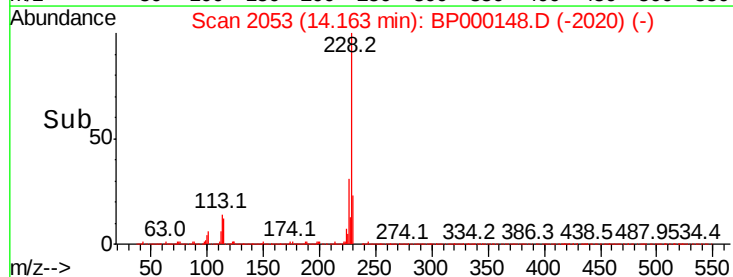
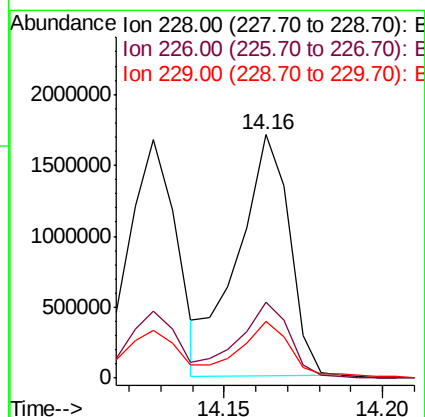
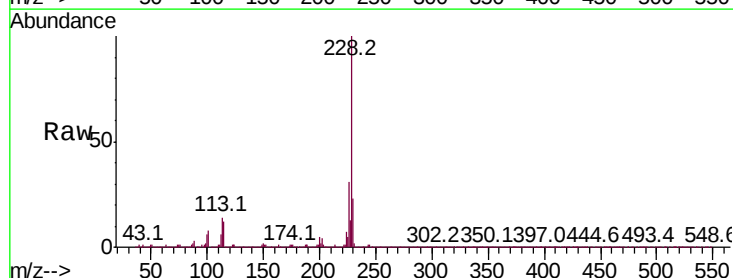
Instrument :
BNA_P
ClientSampled :

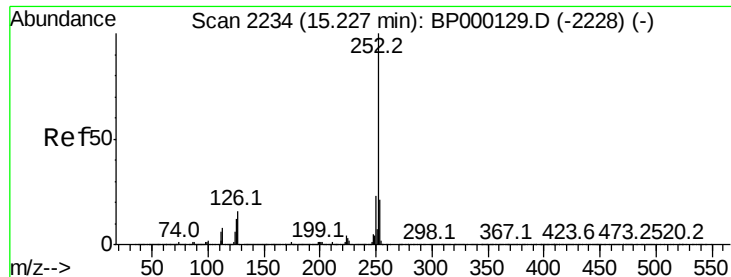
Tot Ion:228 Resp: 1784444
Ion Ratio Lower Upper
228 100
229 20.1 15.9 23.9
226 28.3 22.1 33.1



#85
Chrysene
Concen: 25.516 ng/ul
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BP000148.D
Acq: 09 Sep 2019 21:40

Tgt Ion:228 Resp: 1920199
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 23.5 16.0 24.0





#88

Benzo(b)fluoranthene

Concen: 45.414 ng/ul

RT: 15.23 min Scan# 2234

Delta R.T. 0.00 min

Lab File: BP000148.D

Acq: 09 Sep 2019 21:40

Instrument :

BNA_P

ClientSampleId :

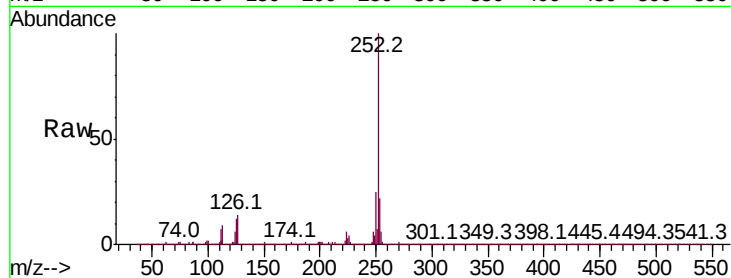
Tot Ion:252 Resp: 3484742

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

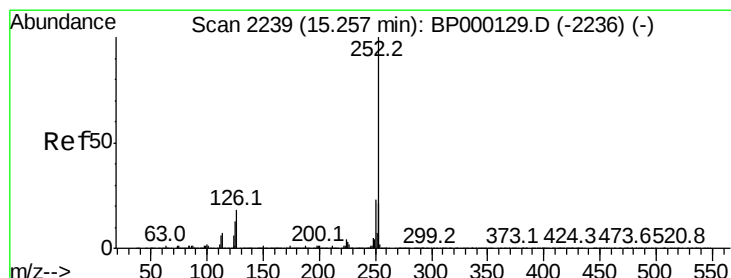
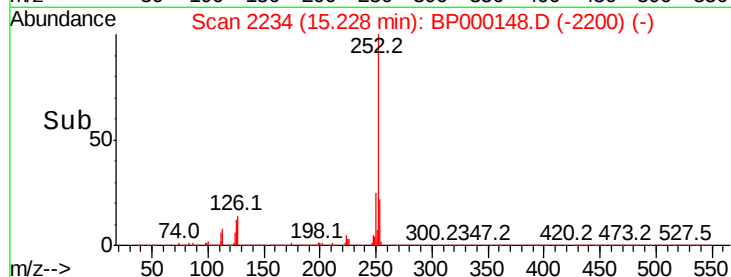
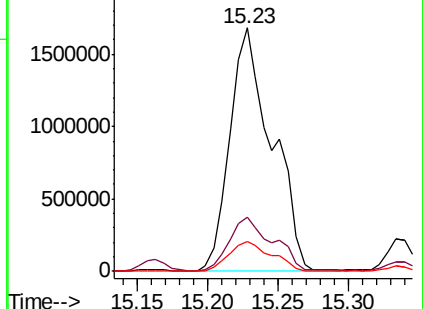
125 12.2 9.9 14.9



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



#89

Benzo(k)fluoranthene

Concen: 48.180 ng/ul

RT: 15.23 min Scan# 2234

Delta R.T. -0.03 min

Lab File: BP000148.D

Acq: 09 Sep 2019 21:40

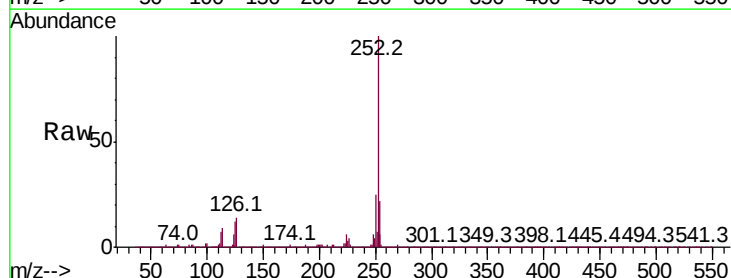
Tgt Ion:252 Resp: 3484980

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

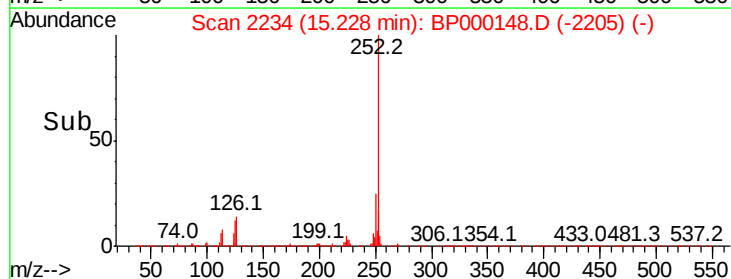
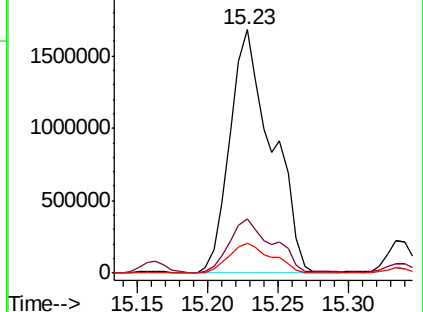
125 12.2 10.2 15.2

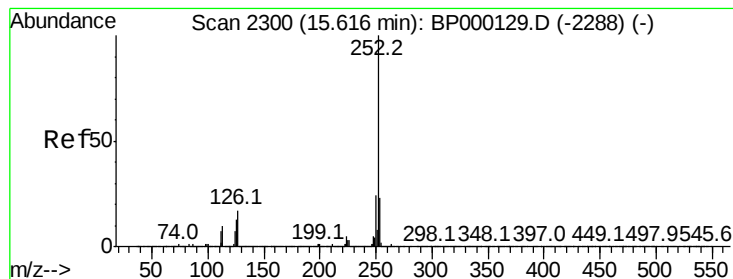


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 21.771 ng/ul

RT: 15.62 min Scan# 2300

Delta R.T. 0.00 min

Lab File: BP000148.D

Acq: 09 Sep 2019 21:40

Instrument :

BNA_P

ClientSampleId :

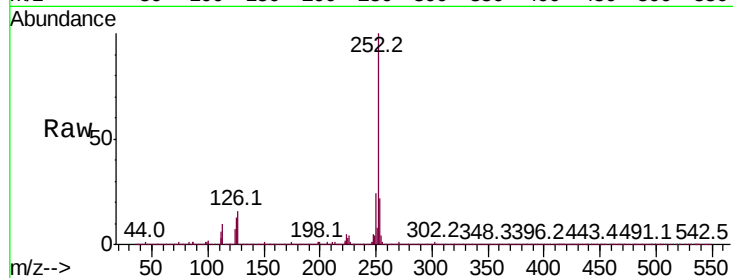
Tot Ion:252 Resp: 1567424

Ion Ratio Lower Upper

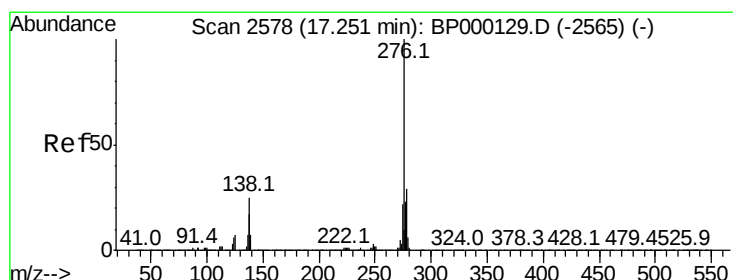
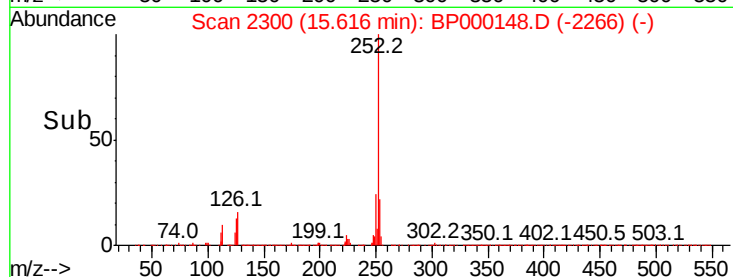
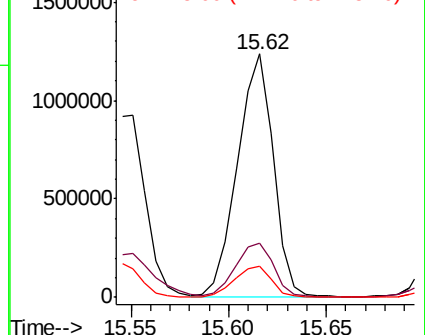
252 100

253 22.2 17.5 26.3

125 12.6 10.2 15.2



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: 15.387 ng/ul

RT: 17.25 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BP000148.D

Acq: 09 Sep 2019 21:40

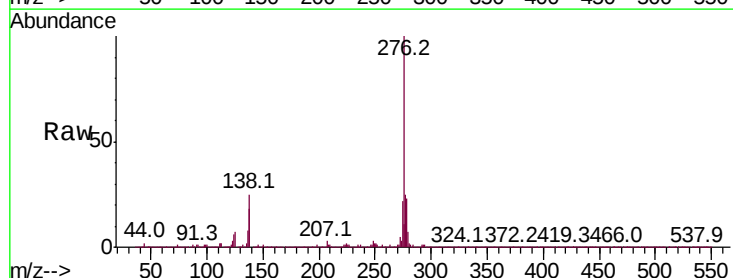
Tgt Ion:276 Resp: 1274445

Ion Ratio Lower Upper

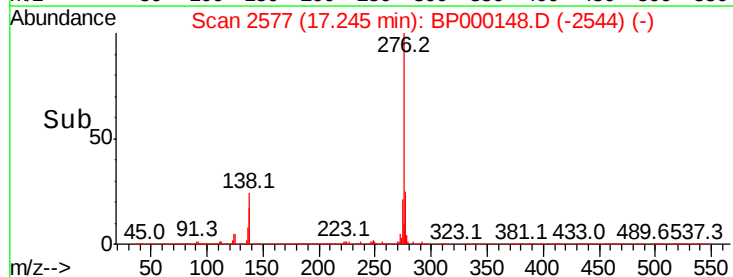
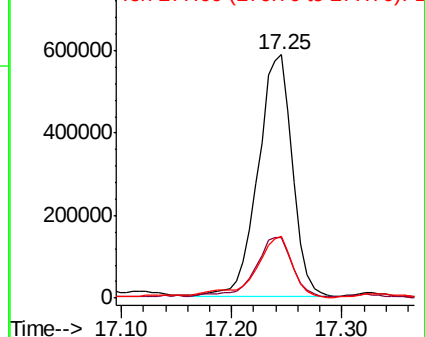
276 100

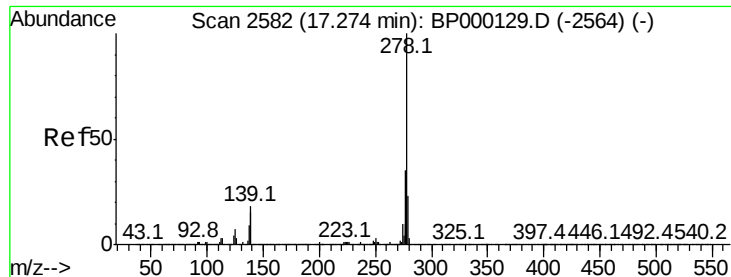
138 25.0 20.0 30.0

277 25.3 19.4 29.0



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



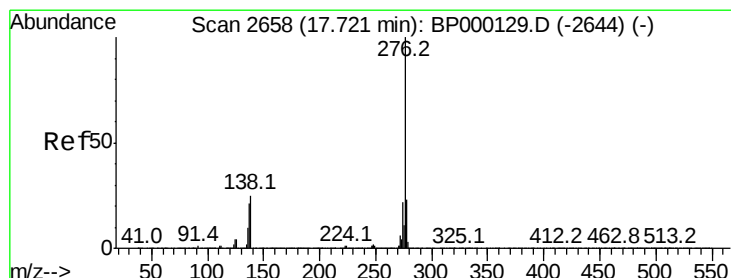
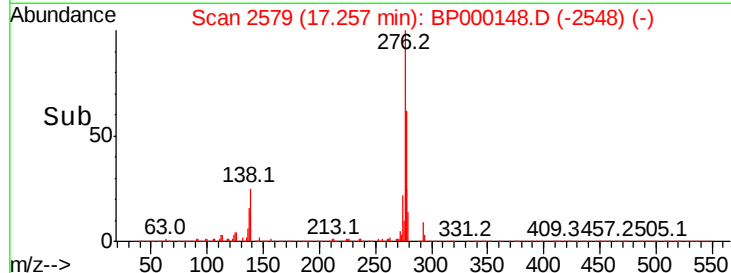
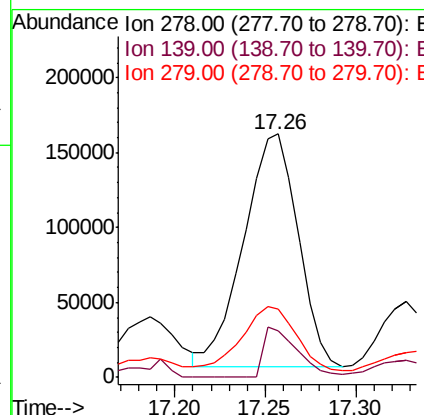
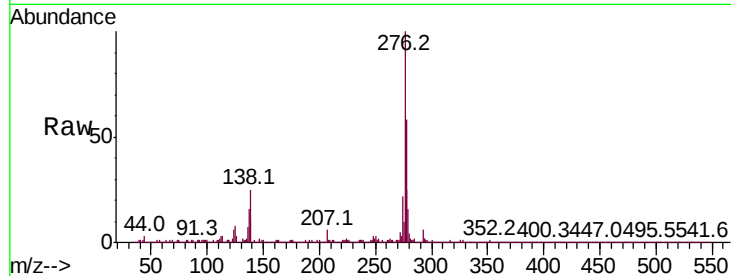


#93

Dibenzo(a,h)anthracene
Concen: 4.727 ng/ul
RT: 17.26 min Scan# 2579
Delta R.T. -0.02 min
Lab File: BP000148.D
Acq: 09 Sep 2019 21:40

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.1	15.1	22.7
279	28.3	19.2	28.8



#94

Benzo(g,h,i)perylene
Concen: 17.535 ng/ul
RT: 17.71 min Scan# 2656
Delta R.T. -0.01 min
Lab File: BP000148.D
Acq: 09 Sep 2019 21:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.3	20.0	30.0
277	23.3	19.1	28.7

