

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091019\
 Data File : BP000177.D
 Acq On : 10 Sep 2019 20:13
 Operator : HP/JU
 Sample : K4634-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 11 01:58:57 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	396439	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	1521052	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	891053	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.45	188	1510776	20.00	ng/ul	0.00
78) Chrysene-d12	14.15	240	954219	20.00	ng/ul	0.00
86) Perylene-d12	15.69	264	1098283	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.60	96	35018	3.13	ng/uL	0.00
5) Phenol-d5	6.50	99	690571	20.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.57	67	360142	20.40	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	562996	20.62	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	520705	20.53	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	265383	22.98	ng/ul	0.00
22) 2-Nitrophenol-d4	7.78	143	281991	25.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.01	165	536762	22.49	ng/ul	0.00
29) 4-Chloroaniline-d4	8.23	131	339816	11.51	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	1495851	22.74	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	1804651	22.19	ng/ul	0.00
52) 4-Nitrophenol-d4	10.03	143	234176	19.92	ng/ul	0.00
58) Fluorene-d10	10.47	176	1259874	22.55	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.53	200	150771	21.71	ng/ul	0.00
71) Anthracene-d10	11.50	188	1633412	22.33	ng/ul	0.00
79) Pyrene-d10	12.90	212	1518905	26.76	ng/ul	0.00
90) Benzo(a)pyrene-d12	15.60	264	1373624	24.13	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.52	94	143298	4.072	ng/ul 97
14) Acetophenone	7.29	105	100065	2.629	ng/ul 99
28) Naphthalene	8.20	128	98194	1.185	ng/ul 99
45) Dimethylphthalate	9.65	163	395118	5.951	ng/ul 99
50) Acenaphthene	9.98	153	450405	7.652	ng/ul 97
54) Dibenzofuran	10.15	168	223752	2.771	ng/ul 97
59) Fluorene	10.50	166	301481	4.826	ng/ul 99
70) Phenanthrene	11.48	178	5000844	55.973	ng/ul 97
72) Anthracene	11.53	178	1051282	11.958	ng/ul 99
75) Carbazole	11.67	167	875980	11.654	ng/ul 99
76) Di-n-butylphthalate	12.03	149	813047	8.931	ng/ul 99
77) Fluoranthene	12.69	202	6991752	77.589	ng/ul 100
80) Pyrene	12.93	202	5606940	77.883	ng/ul 94
83) Benzo(a)anthracene	14.14	228	3357718	48.611	ng/ul 98
84) Bis(2-ethylhexyl)phthalate	14.15	149	102404	2.610	ng/ul 99
85) Chrysene	14.17	228	3434363	54.184	ng/ul 98
88) Benzo(b)fluoranthene	15.25	252	4807126	66.039	ng/ul 99
89) Benzo(k)fluoranthene	15.25	252	4807126	70.058	ng/ul 98
91) Benzo(a)pyrene	15.63	252	2856352	41.823	ng/ul 96
92) Indeno(1,2,3-cd)pyrene	17.27	276	2302504	29.305	ng/ul 98
93) Dibenzo(a,h)anthracene	17.28	278	628206	9.653	ng/ul# 90
94) Benzo(a,h,i)perylene	17.75	276	2280591	34.813	ng/ul 97

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 02:43:18 2019
Response via : Initial Calibration

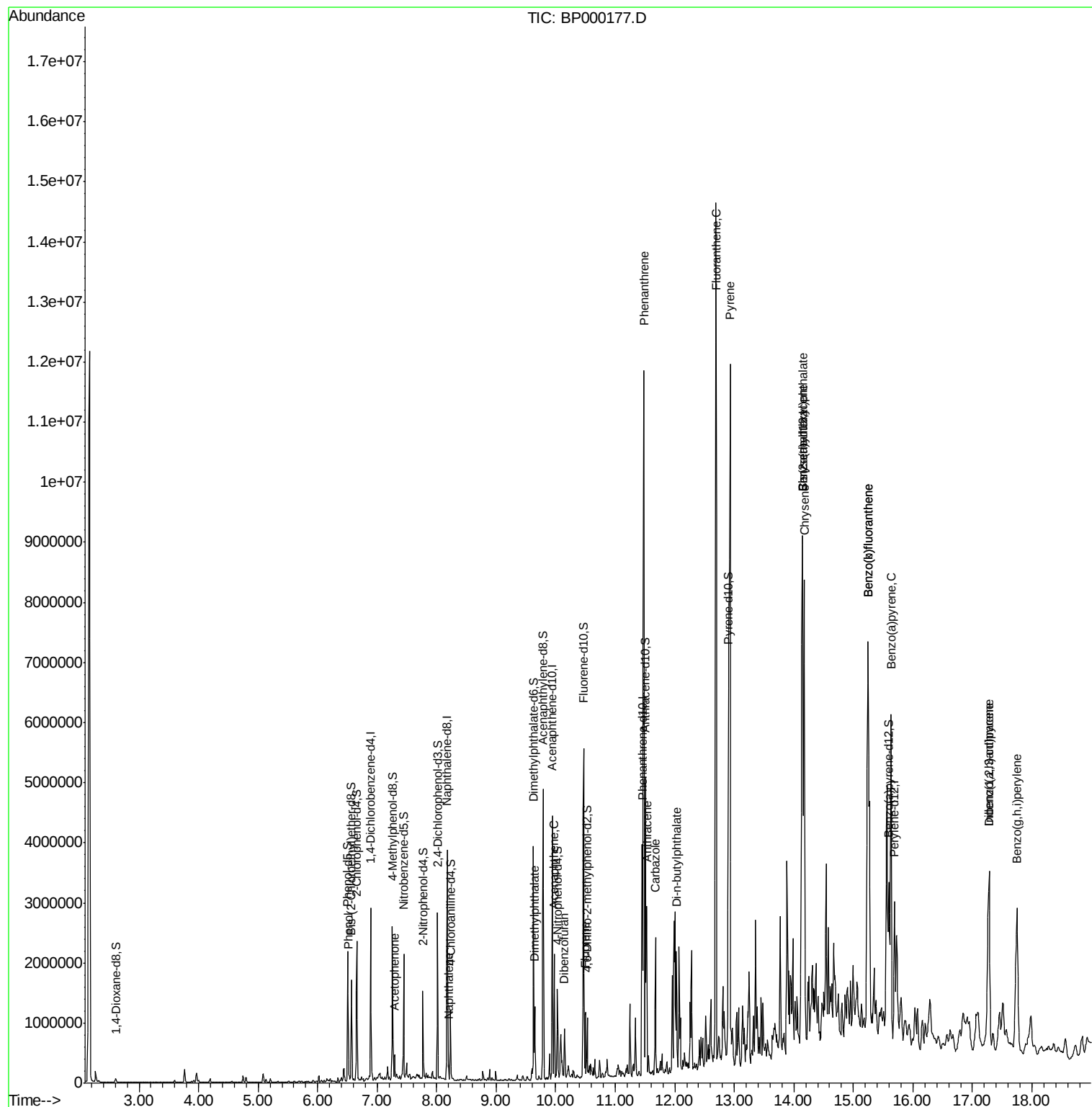
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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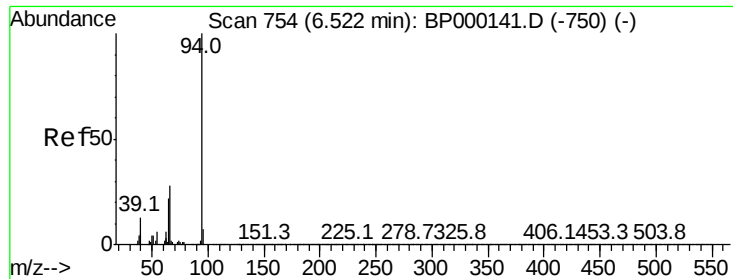
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 10 02:43:18 2019
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#6

Phenol

Concen: 4.072 ng/ul

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BP000177.D

Acq: 10 Sep 2019 20:13

Instrument :

BNA_P

ClientSampled :

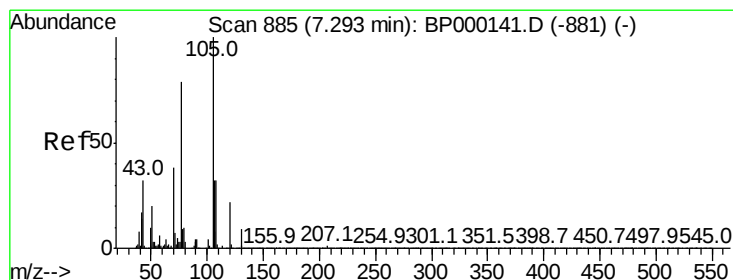
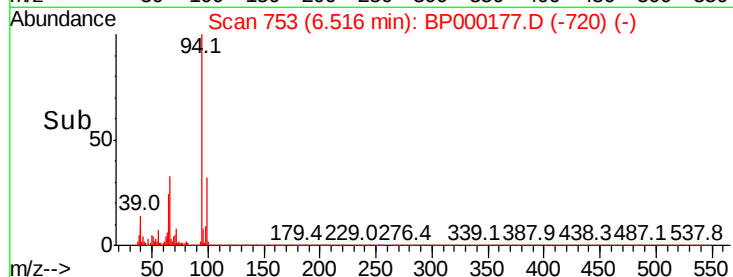
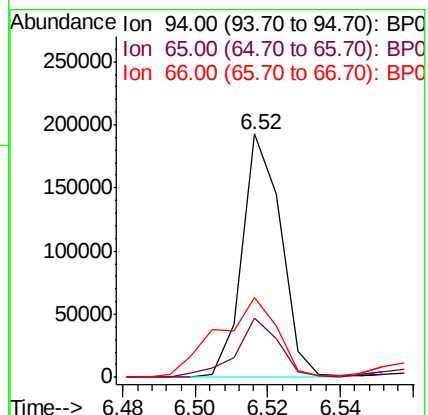
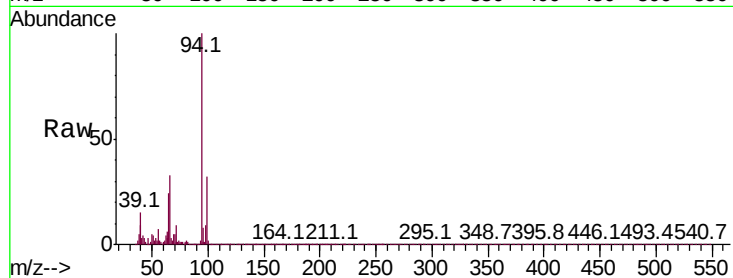
Tot Ion: 94 Resp: 143298

Ion Ratio Lower Upper

94 100

65 24.1 18.8 28.2

66 32.9 24.2 36.2



#14

Acetophenone

Concen: 2.629 ng/ul

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BP000177.D

Acq: 10 Sep 2019 20:13

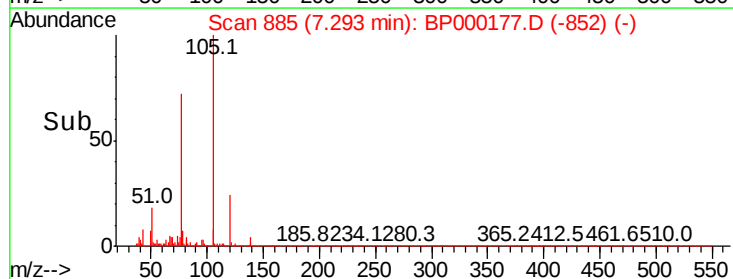
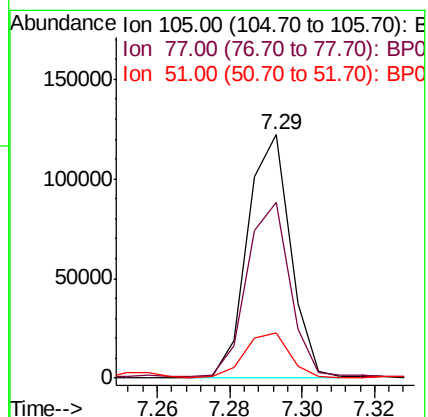
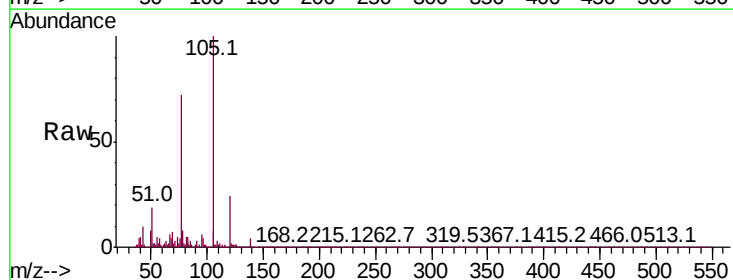
Tgt Ion: 105 Resp: 100065

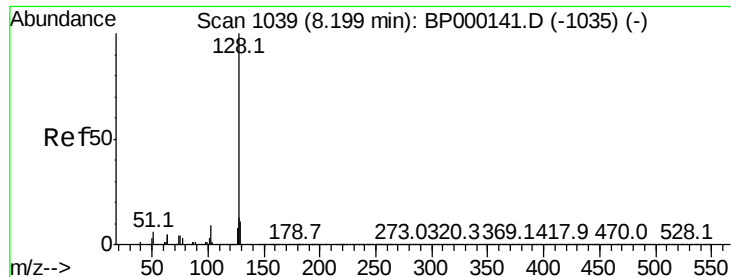
Ion Ratio Lower Upper

105 100

77 72.3 57.2 85.8

51 18.5 14.7 22.1

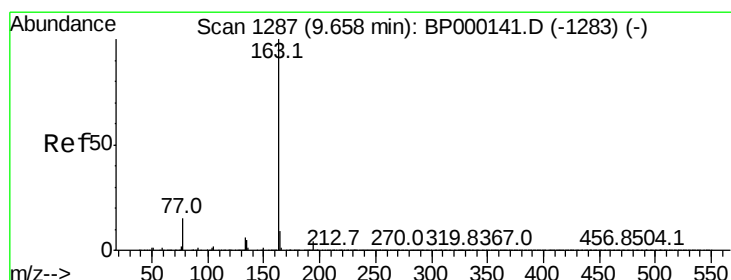
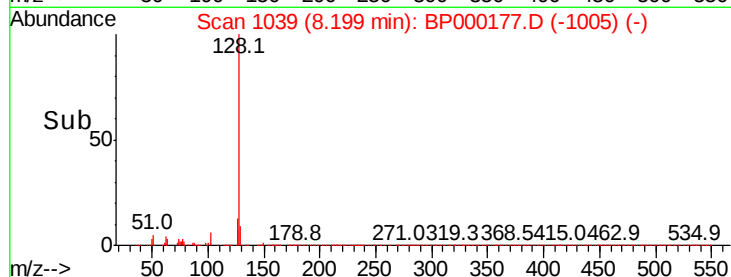
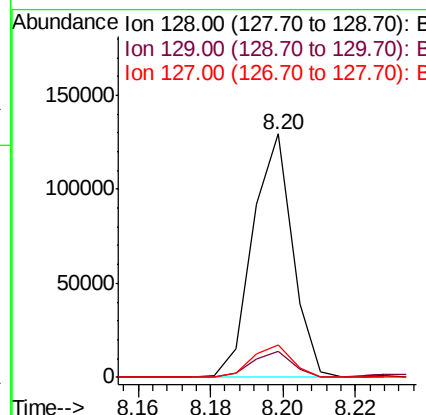
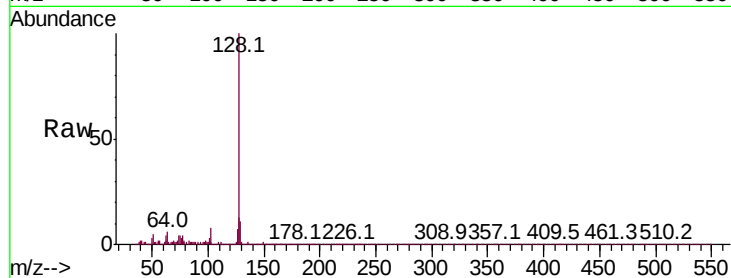




#28
Naphthalene
Concen: 1.185 ng/ul
RT: 8.20 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BP000177.D
Acq: 10 Sep 2019 20:13

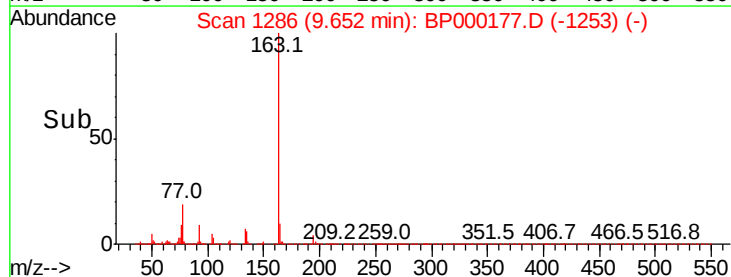
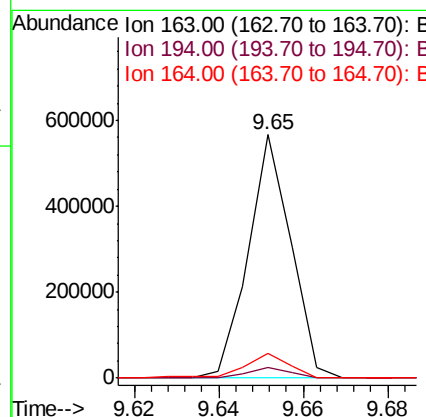
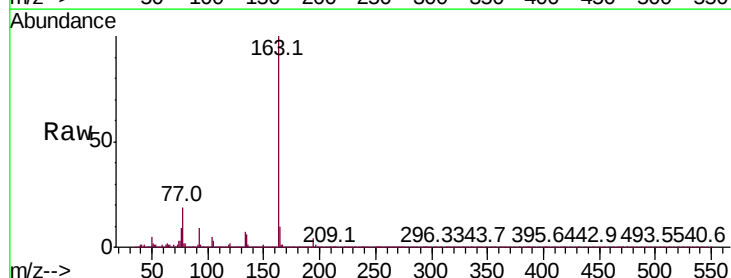
Instrument :
BNA_P
ClientSampleId :

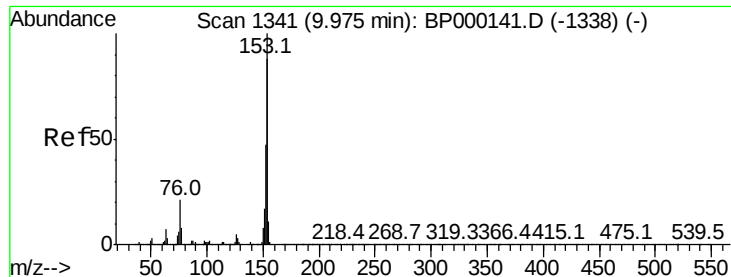
Tot Ion:128 Resp: 98194
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 13.2 10.7 16.1



#45
Dimethylphthalate
Concen: 5.951 ng/ul
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BP000177.D
Acq: 10 Sep 2019 20:13

Tgt Ion:163 Resp: 395118
Ion Ratio Lower Upper
163 100
194 4.4 3.2 4.8
164 10.2 8.4 12.6





#50

Acenaphthene

Concen: 7.652 ng/ul

RT: 9.98 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BP000177.D

Acq: 10 Sep 2019 20:13

Instrument :

BNA_P

ClientSampleId :

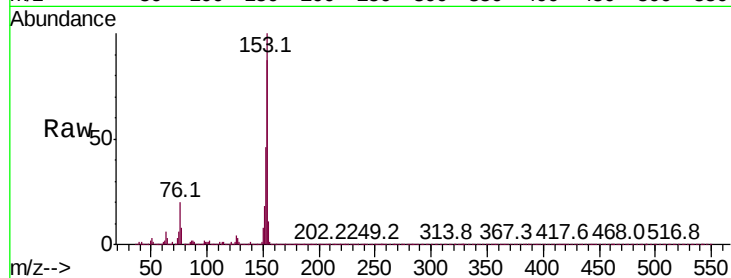
Tot Ion:153 Resp: 450405

Ion Ratio Lower Upper

153 100

152 45.8 38.0 57.0

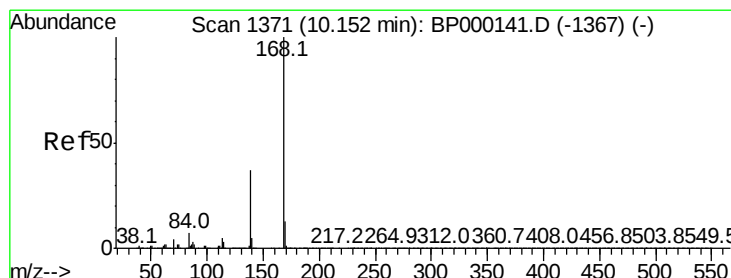
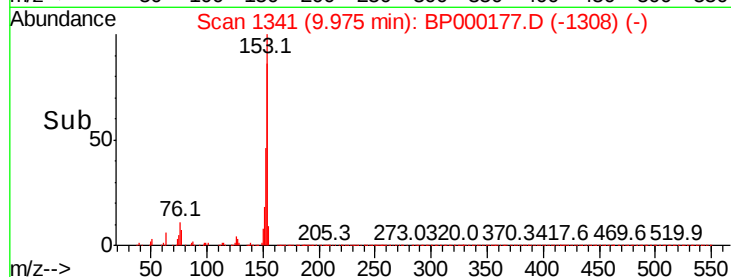
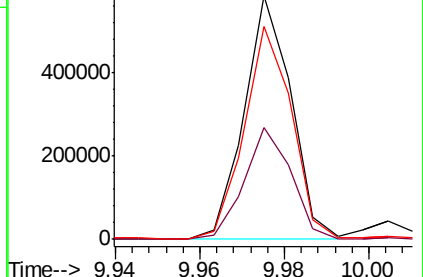
154 87.2 72.6 108.8



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: 2.771 ng/ul

RT: 10.15 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BP000177.D

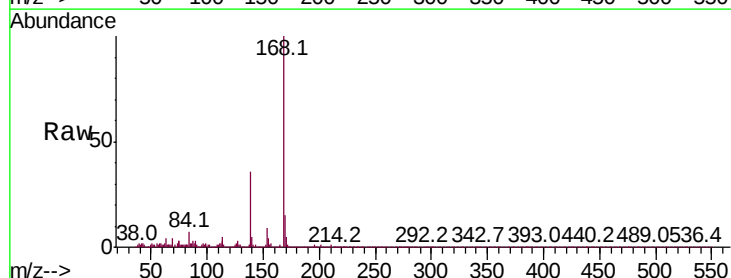
Acq: 10 Sep 2019 20:13

Tgt Ion:168 Resp: 223752

Ion Ratio Lower Upper

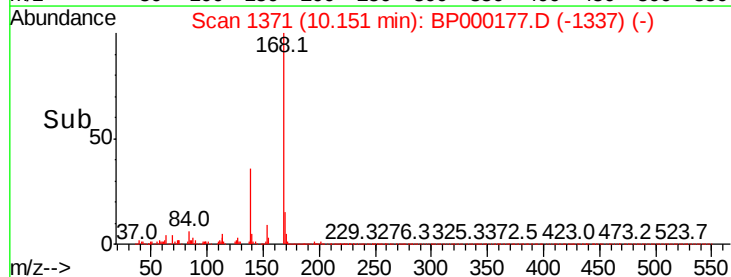
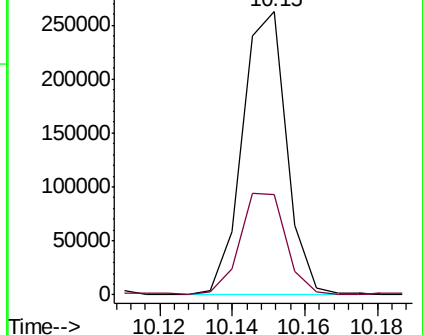
168 100

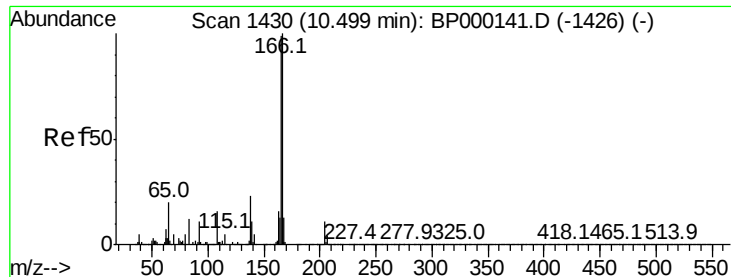
139 35.6 30.0 45.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 4.826 ng/ul

RT: 10.50 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BP000177.D

Acq: 10 Sep 2019 20:13

Instrument :

BNA_P

ClientSampleId :

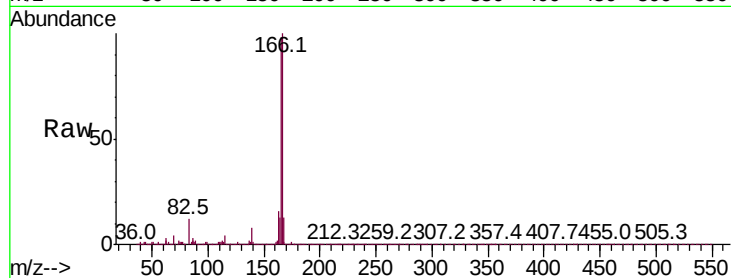
Tot Ion:166 Resp: 301481

Ion Ratio Lower Upper

166 100

165 98.3 77.8 116.8

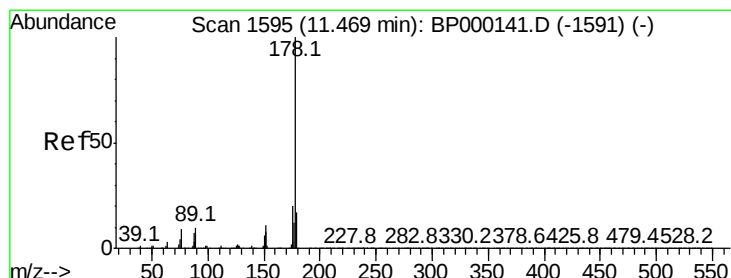
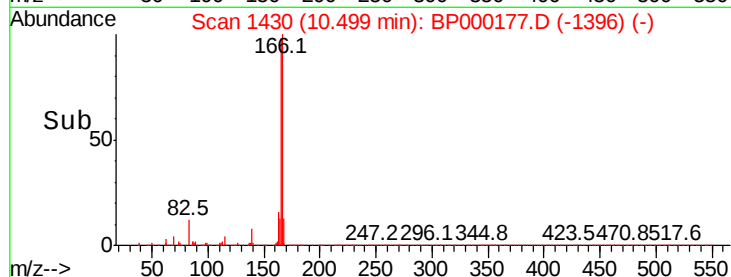
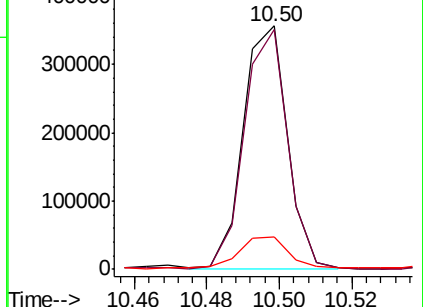
167 13.2 10.9 16.3



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: 55.973 ng/ul

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BP000177.D

Acq: 10 Sep 2019 20:13

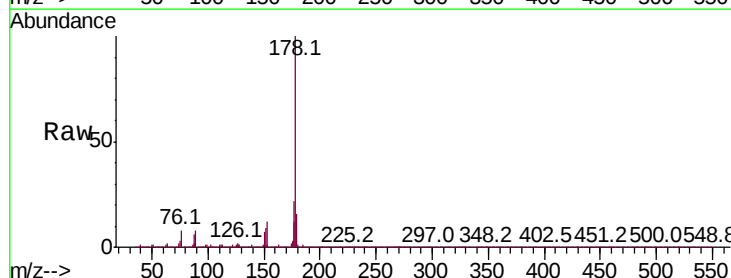
Tgt Ion:178 Resp: 5000844

Ion Ratio Lower Upper

178 100

179 16.3 12.5 18.7

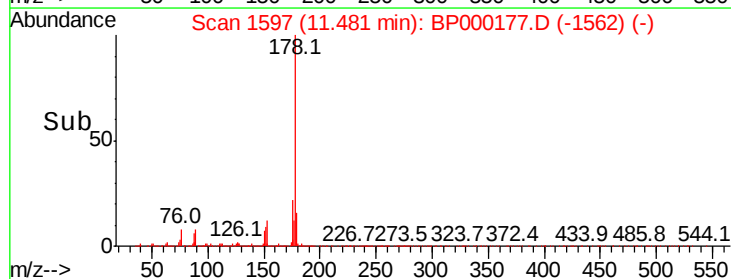
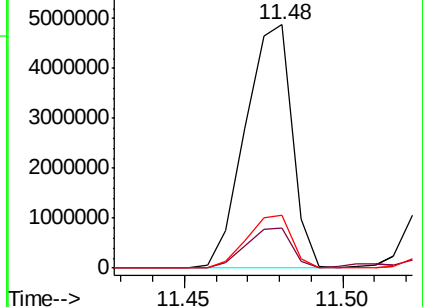
176 21.7 15.7 23.5

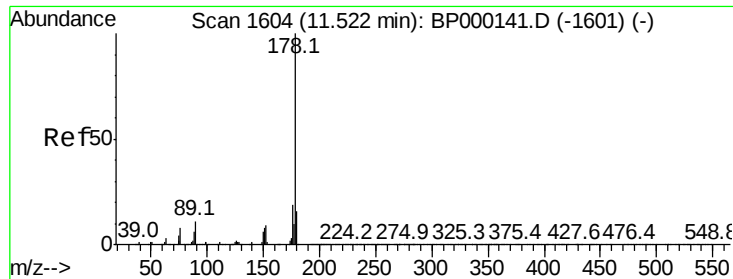


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 11.958 ng/ul

RT: 11.53 min Scan# 1605

Delta R.T. 0.00 min

Lab File: BP000177.D

Acq: 10 Sep 2019 20:13

Instrument :

BNA_P

ClientSampleId :

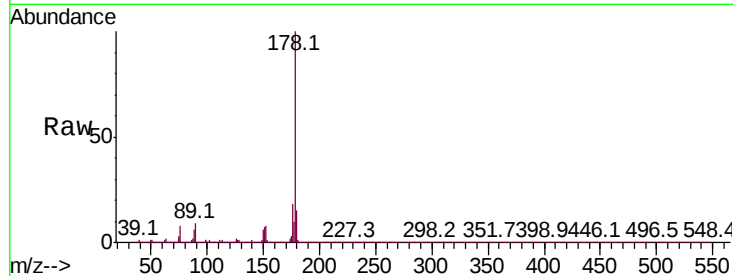
Tot Ion:178 Resp: 1051282

Ion Ratio Lower Upper

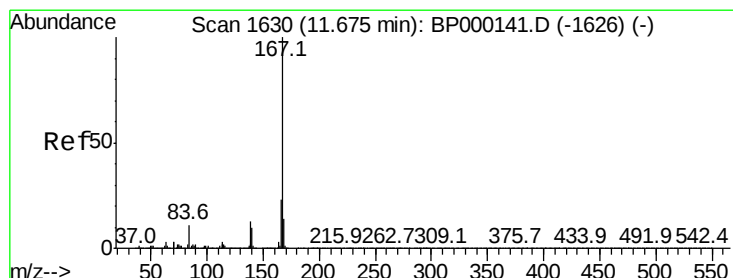
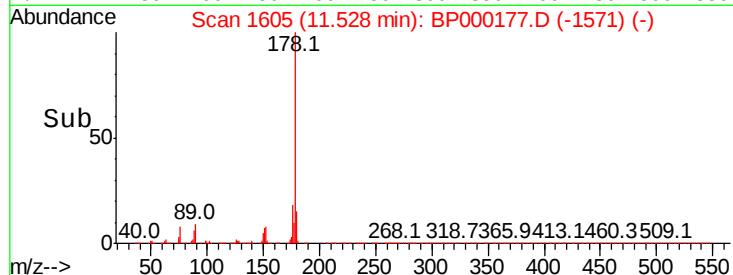
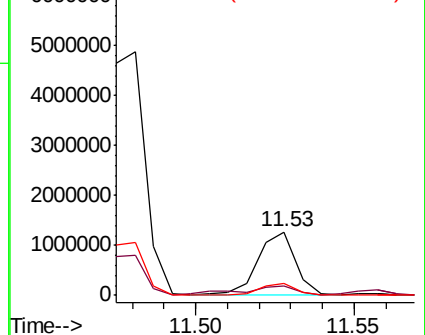
178 100

179 15.2 12.3 18.5

176 18.0 15.1 22.7



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: 11.654 ng/ul

RT: 11.67 min Scan# 1630

Delta R.T. -0.01 min

Lab File: BP000177.D

Acq: 10 Sep 2019 20:13

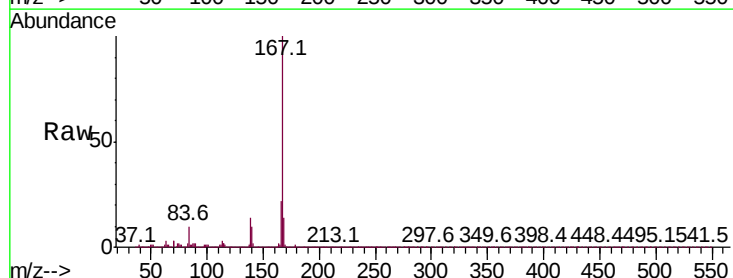
Tgt Ion:167 Resp: 875980

Ion Ratio Lower Upper

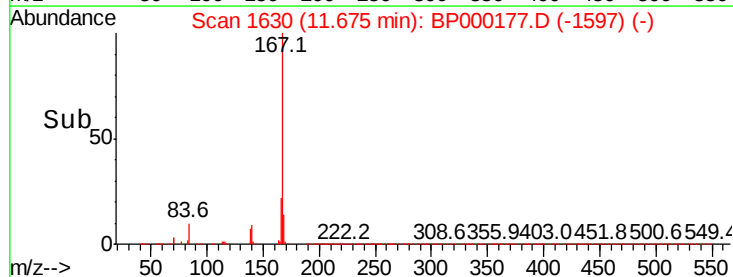
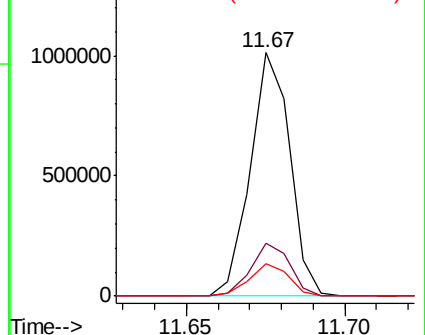
167 100

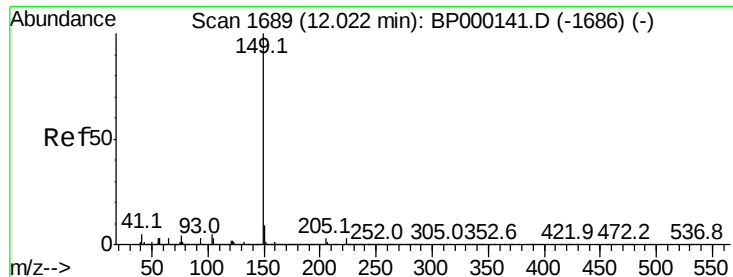
166 22.0 17.3 25.9

139 13.6 10.6 15.8



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

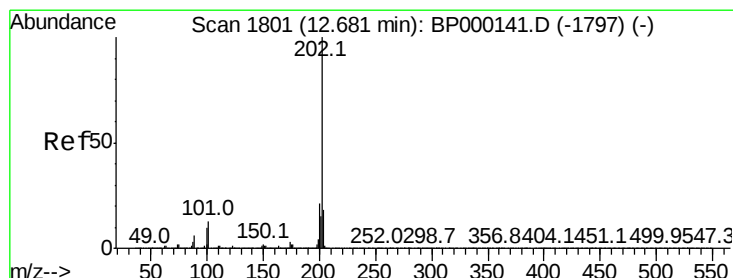
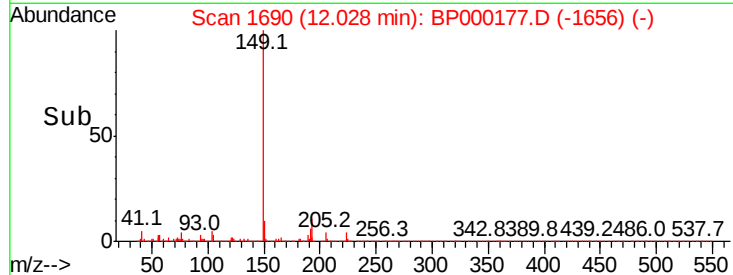
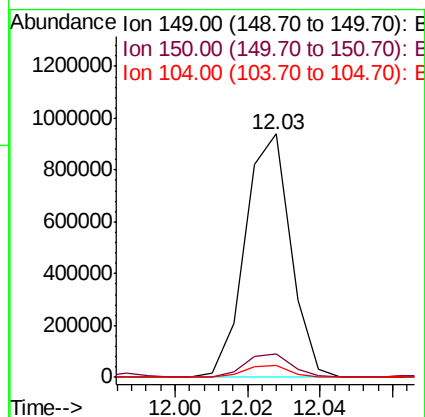
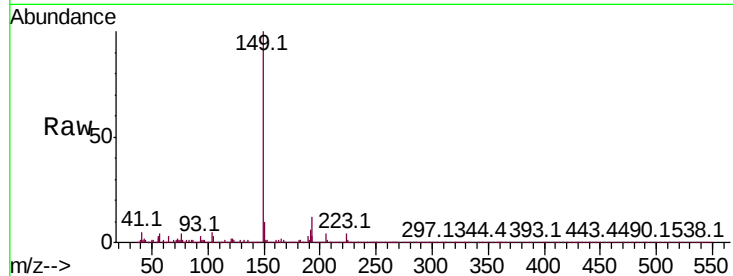




#76
Di-n-butylphthalate
Concen: 8.931 ng/ul
RT: 12.03 min Scan# 1690
Delta R.T. 0.00 min
Lab File: BP000177.D
Acq: 10 Sep 2019 20:13

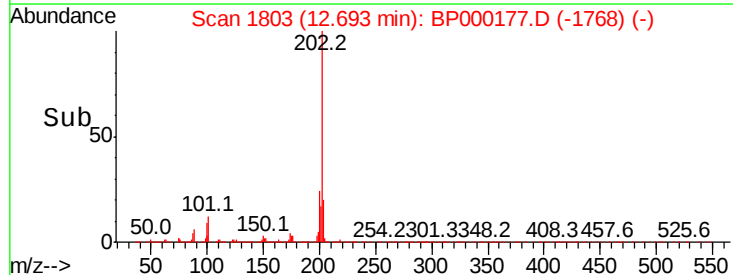
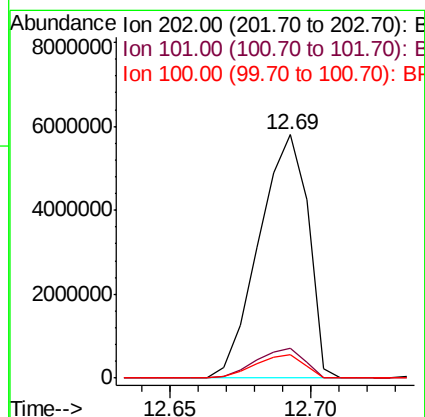
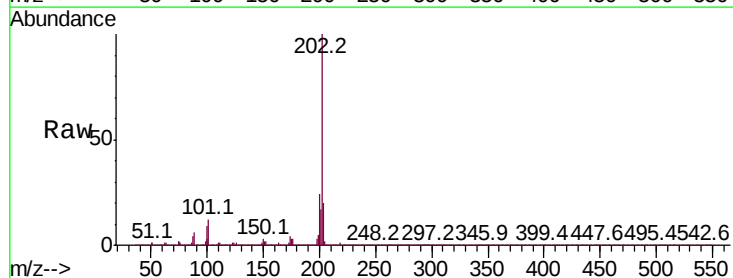
Instrument :
BNA_P
ClientSampleId :

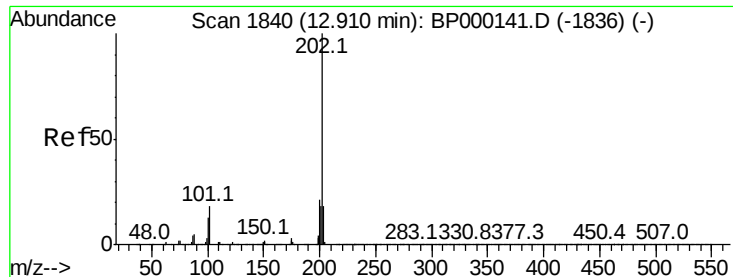
Tot Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.5	11.3
104	4.7	4.0	6.0



#77
Fluoranthene
Concen: 77.589 ng/ul
RT: 12.69 min Scan# 1803
Delta R.T. 0.01 min
Lab File: BP000177.D
Acq: 10 Sep 2019 20:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	10.0	15.0
100	9.4	7.4	11.2

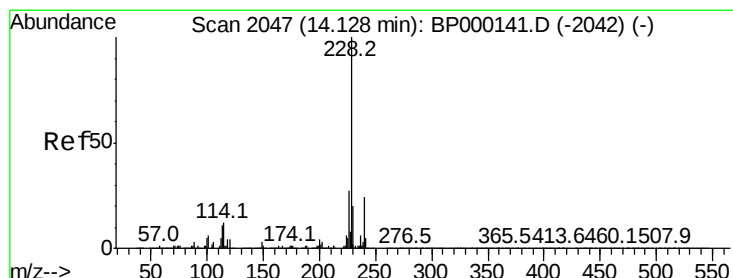
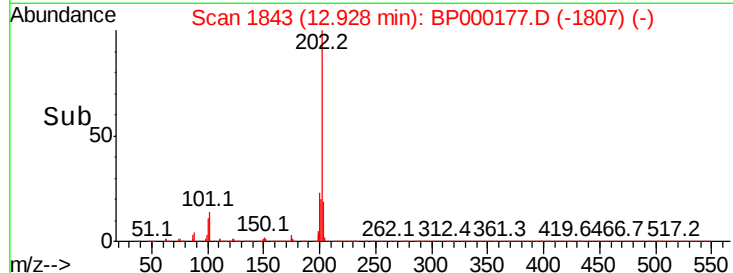
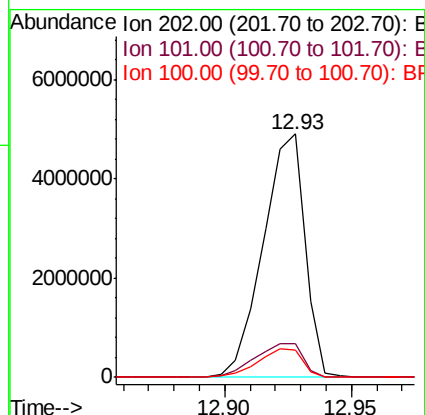
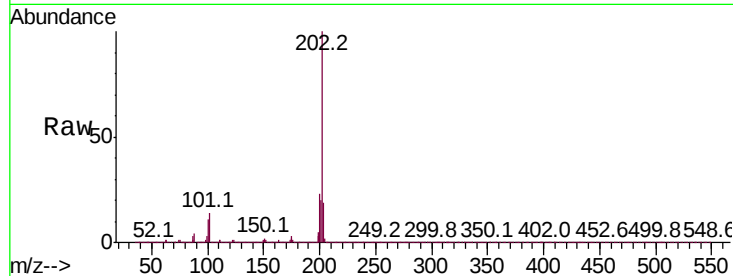




#80
Pvrene
Concen: 77.883 ng/ul
RT: 12.93 min Scan# 1843
Delta R.T. 0.01 min
Lab File: BP000177.D
Acq: 10 Sep 2019 20:13

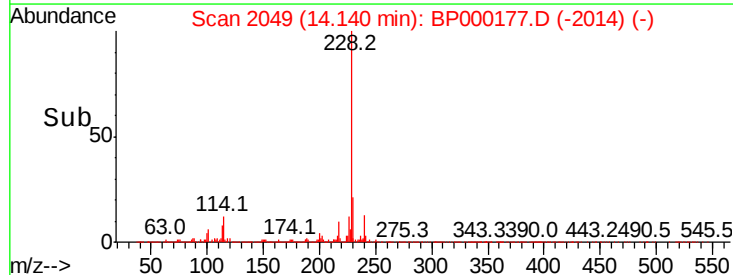
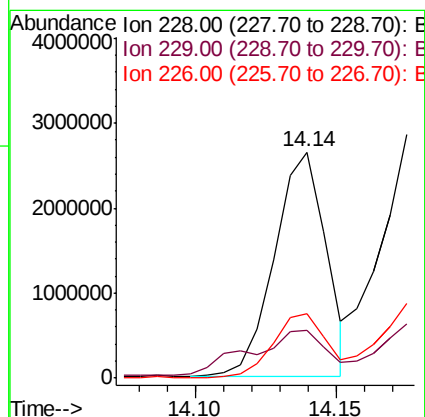
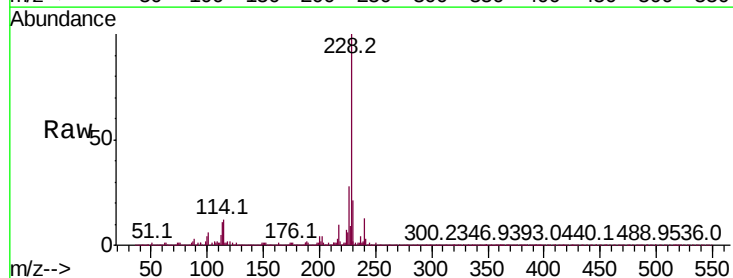
Instrument :
BNA_P
ClientSampleId :

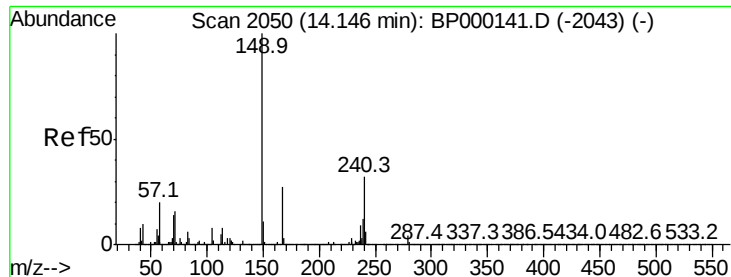
Tot Ion:202 Resp: 5606940
Ion Ratio Lower Upper
202 100
101 13.8 13.4 20.0
100 11.2 10.8 16.2



#83
Benzo(a)anthracene
Concen: 48.611 ng/ul
RT: 14.14 min Scan# 2049
Delta R.T. 0.01 min
Lab File: BP000177.D
Acq: 10 Sep 2019 20:13

Tgt Ion:228 Resp: 3357718
Ion Ratio Lower Upper
228 100
229 20.9 15.9 23.9
226 28.3 22.1 33.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.610 ng/ul

RT: 14.15 min Scan# 2051

Delta R.T. 0.00 min

Lab File: BP000177.D

Acq: 10 Sep 2019 20:13

Instrument :

BNA_P

ClientSampleId :

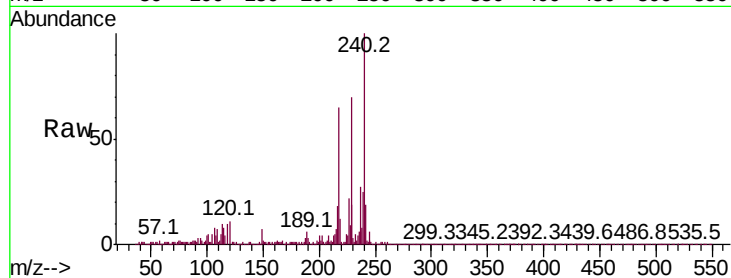
Tot Ion:149 Resp: 102404

Ion Ratio Lower Upper

149 100

167 27.8 21.8 32.8

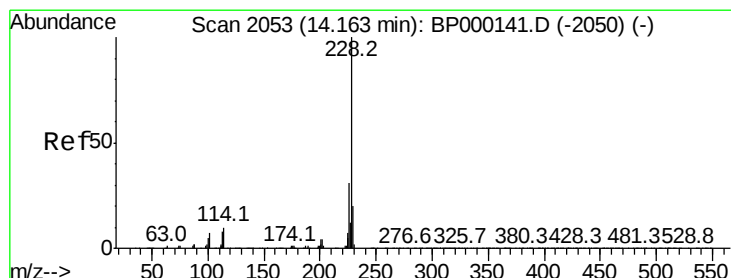
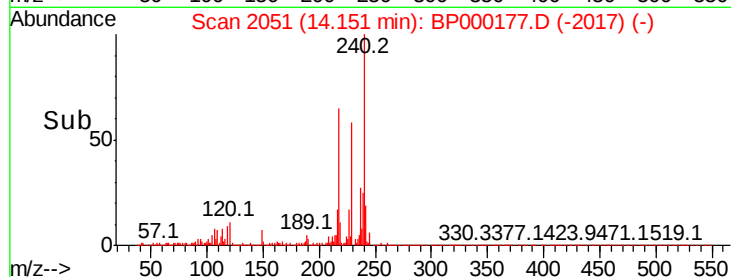
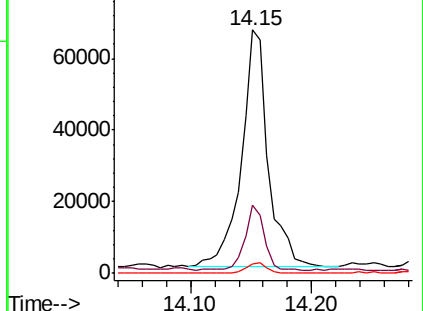
279 4.0 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 54.184 ng/ul

RT: 14.17 min Scan# 2055

Delta R.T. 0.01 min

Lab File: BP000177.D

Acq: 10 Sep 2019 20:13

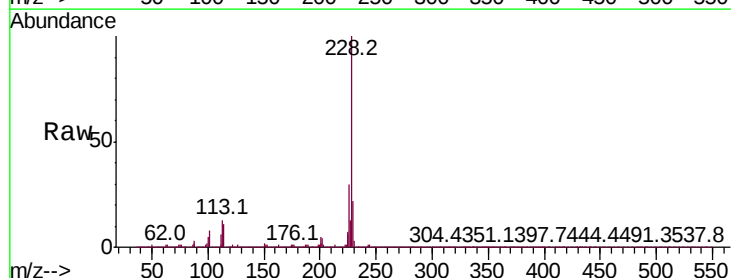
Tgt Ion:228 Resp: 3434363

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

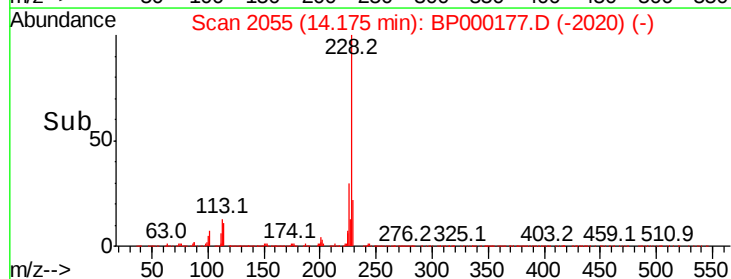
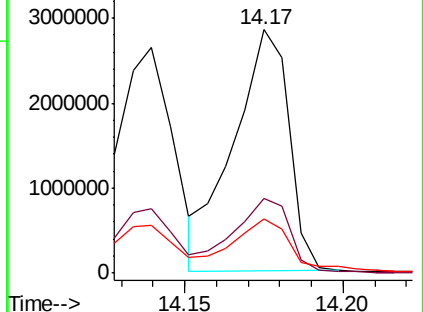
229 22.1 16.0 24.0

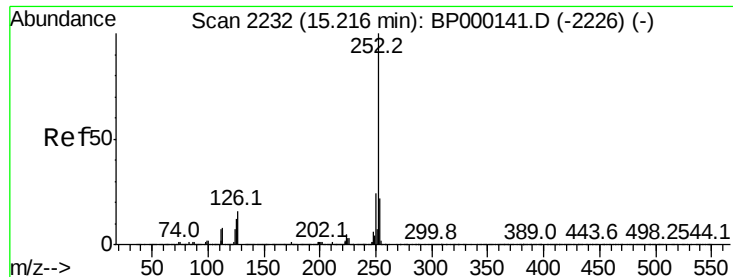


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 66.039 ng/ul

RT: 15.25 min Scan# 2237

Delta R.T. 0.02 min

Lab File: BP000177.D

Acq: 10 Sep 2019 20:13

Instrument :

BNA_P

ClientSampleId :

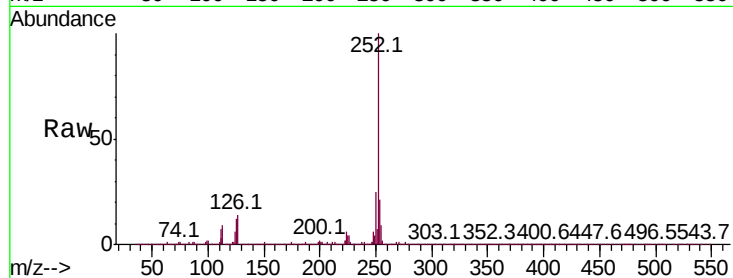
Tot Ion:252 Resp: 4807126

Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

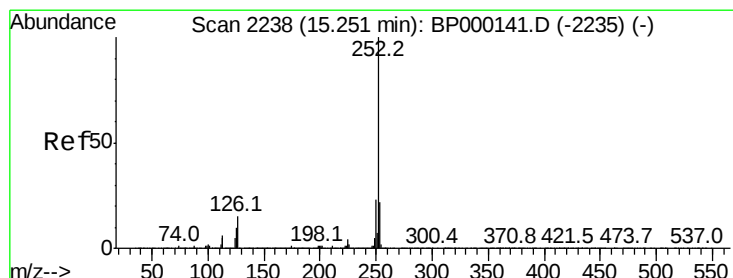
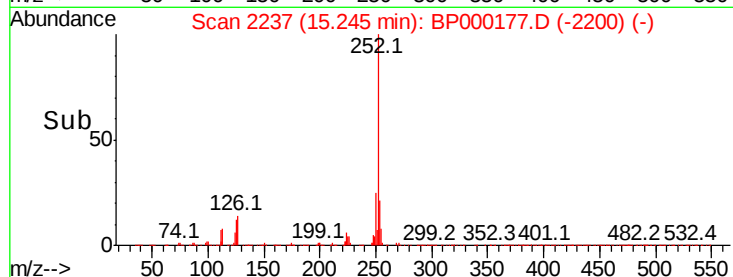
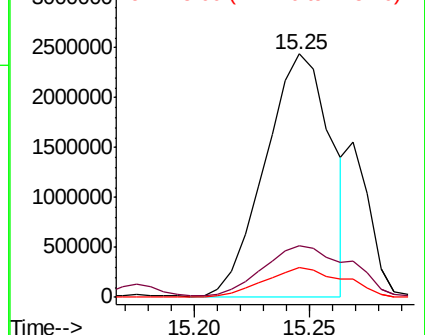
125 12.0 9.9 14.9



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: 70.058 ng/ul

RT: 15.25 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BP000177.D

Acq: 10 Sep 2019 20:13

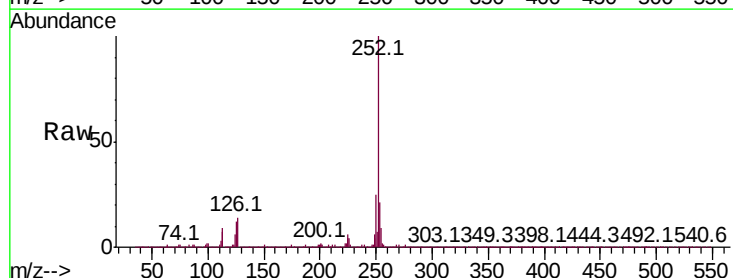
Tgt Ion:252 Resp: 4807126

Ion Ratio Lower Upper

252 100

253 21.3 18.0 27.0

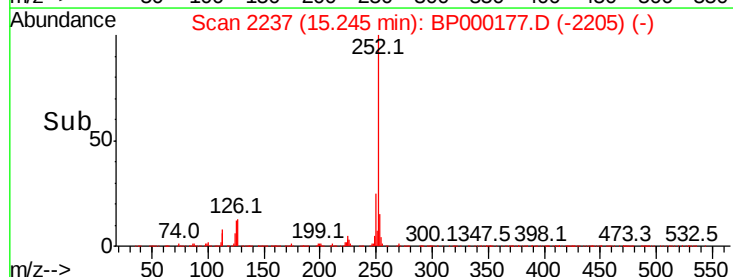
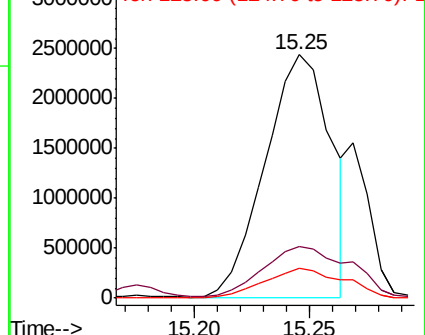
125 12.0 10.2 15.2

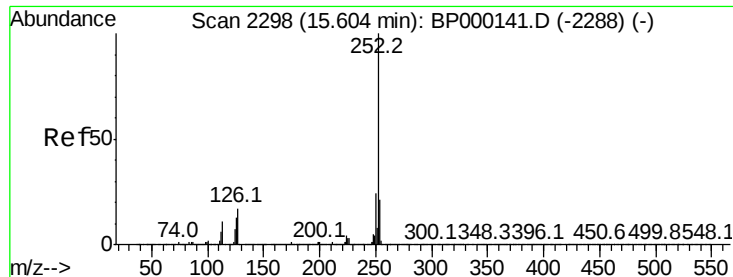


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 41.823 ng/ul

RT: 15.63 min Scan# 2303

Delta R.T. 0.02 min

Lab File: BP000177.D

Acq: 10 Sep 2019 20:13

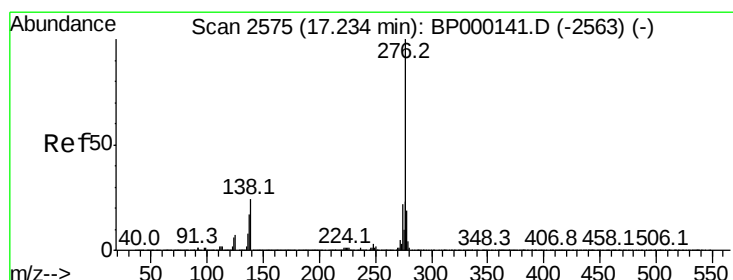
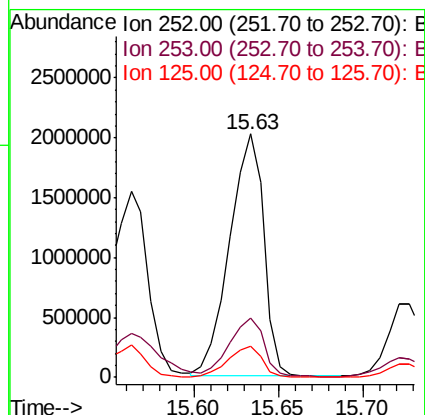
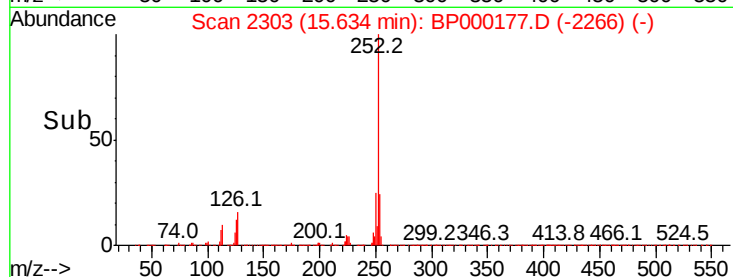
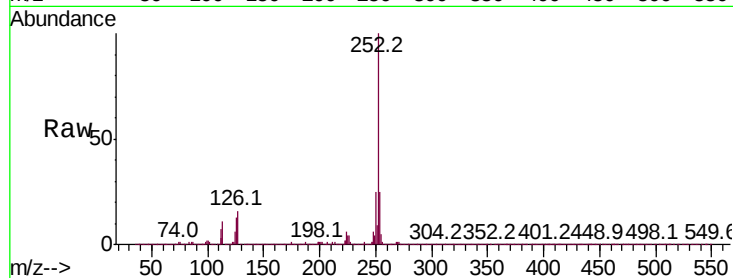
Instrument :

BNA_P

ClientSampled :

Tot Ion:252 Resp: 2856352

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	12.6	10.2	15.2



#92

Indeno(1,2,3-cd)pyrene

Concen: 29.305 ng/ul

RT: 17.27 min Scan# 2582

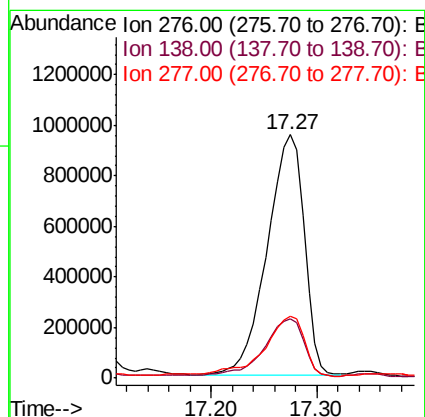
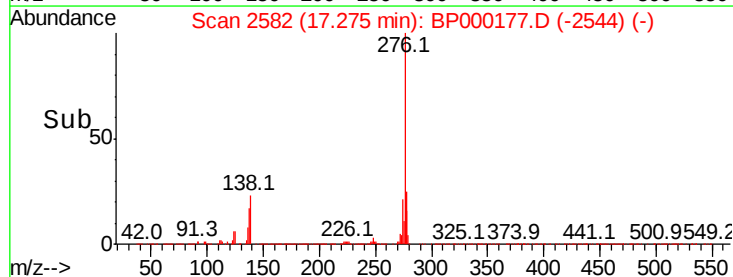
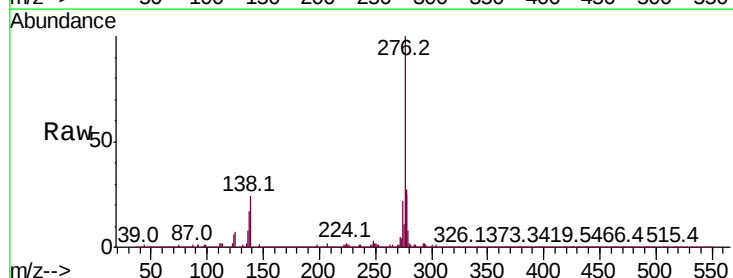
Delta R.T. 0.02 min

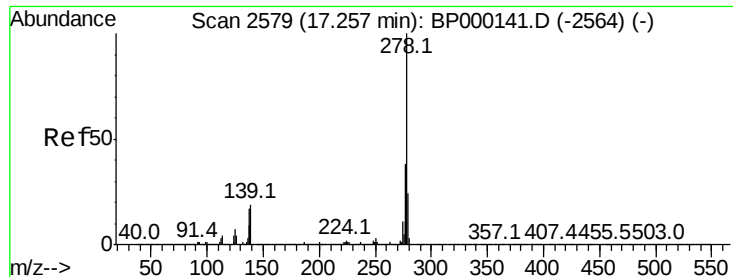
Lab File: BP000177.D

Acq: 10 Sep 2019 20:13

Tgt Ion:276 Resp: 2302504

Ion	Ratio	Lower	Upper
276	100		
138	24.5	20.0	30.0
277	25.2	19.4	29.0





#93

Dibenzo(a,h)anthracene

Concen: 9.653 ng/ul

RT: 17.28 min Scan# 2583

Delta R.T. 0.01 min

Lab File: BP000177.D

Acq: 10 Sep 2019 20:13

Instrument :

BNA_P

ClientSampleId :

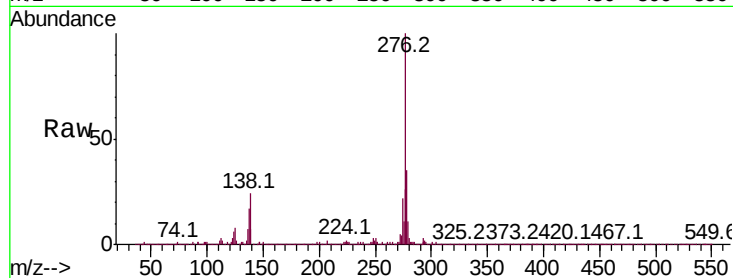
Tot Ion:278 Resp: 628206

Ion Ratio Lower Upper

278 100

139 20.6 15.1 22.7

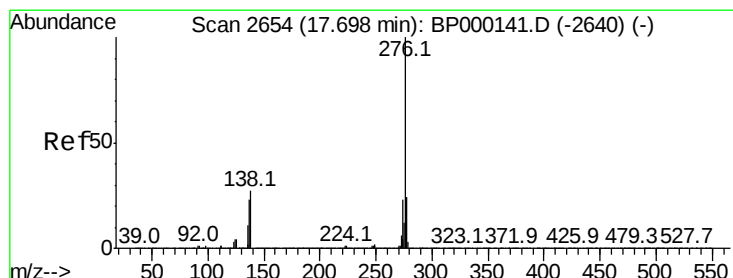
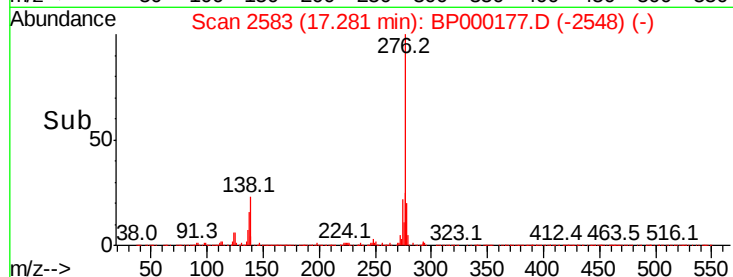
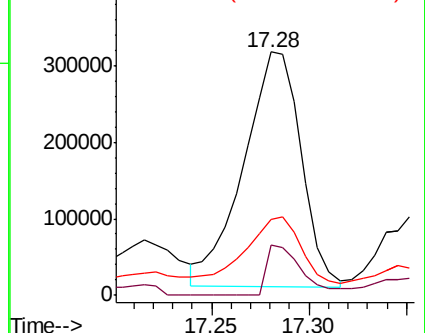
279 31.1 19.2 28.8#



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: 34.813 ng/ul

RT: 17.75 min Scan# 2663

Delta R.T. 0.03 min

Lab File: BP000177.D

Acq: 10 Sep 2019 20:13

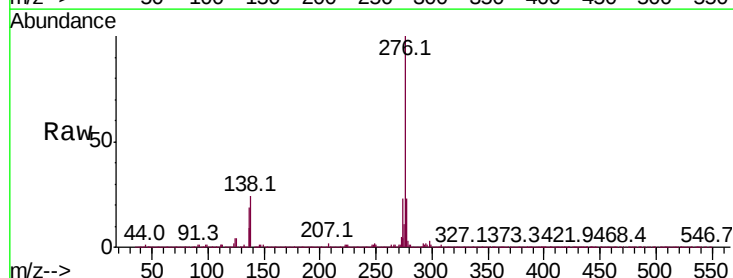
Tgt Ion:276 Resp: 2280591

Ion Ratio Lower Upper

276 100

138 23.5 20.0 30.0

277 22.8 19.1 28.7



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

