

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092719\
 Data File : BP000466.D
 Acq On : 27 Sep 2019 18:44
 Operator : JU
 Sample : K5038-03DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 27 23:13:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	218871	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	376695	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	209409	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	386654	20.00	ng	0.00
76) Chrysene-d12	14.00	240	640672	20.00	ng	0.00
87) Perylene-d12	15.49	264	388285	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	236285	18.64	ng	0.00
7) Phenol-d6	6.42	99	352749	22.70	ng	0.00
23) Nitrobenzene-d5	7.34	82	120589	20.65	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	53161	25.59	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	218808	18.81	ng	0.00
79) Terphenyl-d14	12.93	244	537370	17.60	ng	0.00

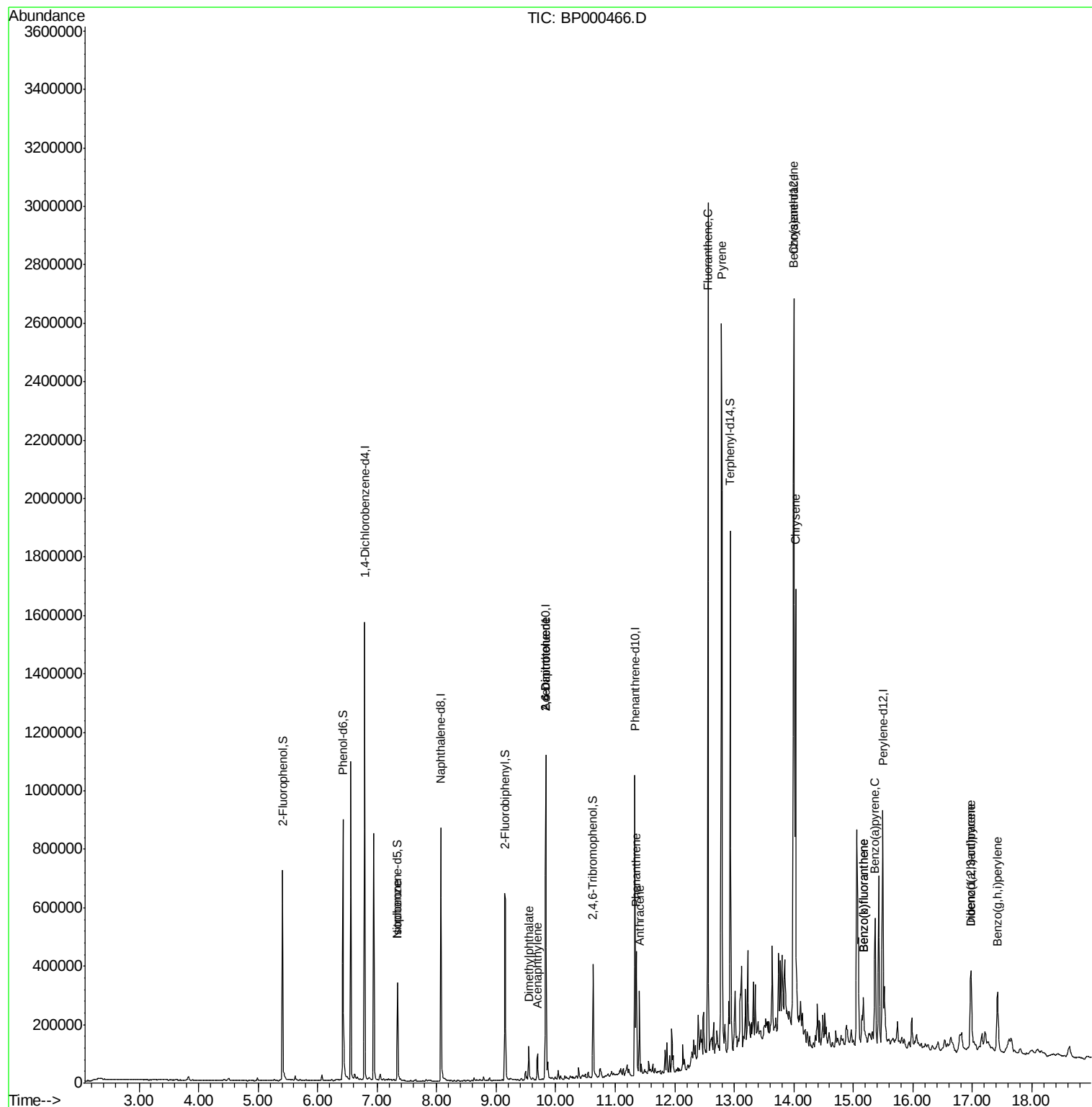
Target Compounds				Qvalue		
9) Benzaldehyde	6.33	77	604	Below Cal		88
25) Isophorone	7.34	82	120134	10.391 ng	#	63
49) Acenaphthylene	9.69	152	38018	2.081 ng		99
50) Dimethylphthalate	9.55	163	47437	3.325 ng		99
51) 2,6-Dinitrotoluene	9.83	165	28469	9.075 ng	#	30
57) 2,4-Dinitrotoluene	9.83	165	28513	6.953 ng	#	35
69) Atrazine	11.03	200	44	Below Cal	#	1
71) Phenanthrene	11.35	178	148217	7.649 ng		99
72) Anthracene	11.40	178	99815	5.005 ng		98
75) Fluoranthene	12.56	202	1058742	50.887 ng		98
78) Pyrene	12.79	202	996657	20.793 ng		99
81) Benzo(a)anthracene	13.99	228	579900	14.329 ng		97
83) Chrysene	14.03	228	536944	13.513 ng		97
86) Indeno(1,2,3-cd)pyrene	16.97	276	191343	3.951 ng	#	87
88) Benzo(b)fluoranthene	15.17	252	68995	2.979 ng		93
89) Benzo(k)fluoranthene	15.17	252	68995	3.415 ng		94
90) Benzo(a)pyrene	15.36	252	208133	9.875 ng		97
91) Dibenzo(a,h)anthracene	16.98	278	47789	2.432 ng	#	92
92) Benzo(a,h,i)perylene	17.42	276	174808	8.654 ng	#	91

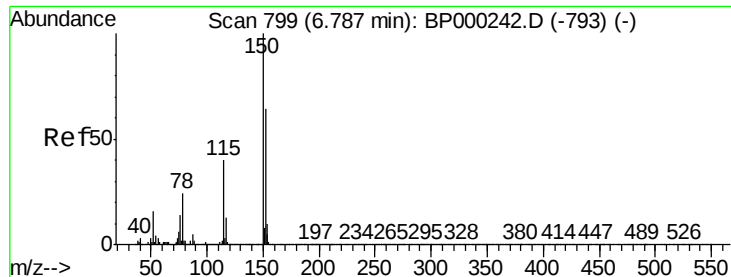
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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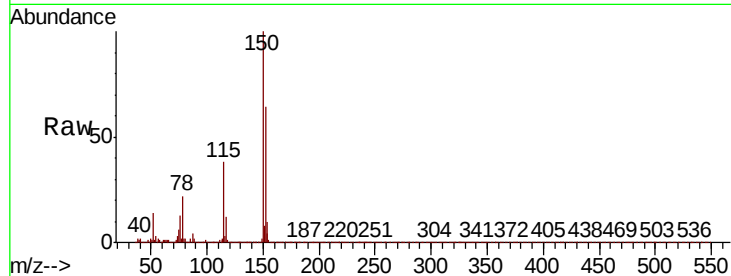


#1

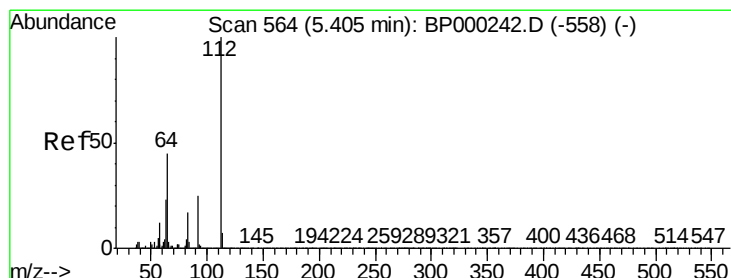
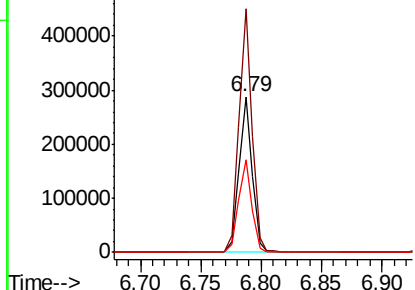
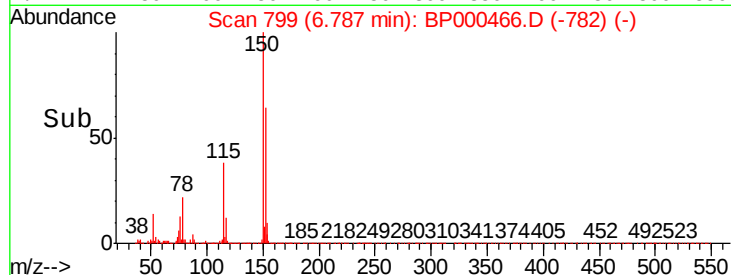
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

Instrument :
BNA_P
ClientSampleId :

Tot Ion:152 Resp: 218871
Ion Ratio Lower Upper
152 100
150 156.6 125.2 187.8
115 59.4 49.7 74.5



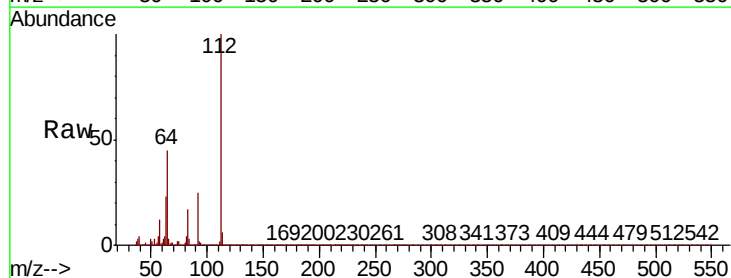
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



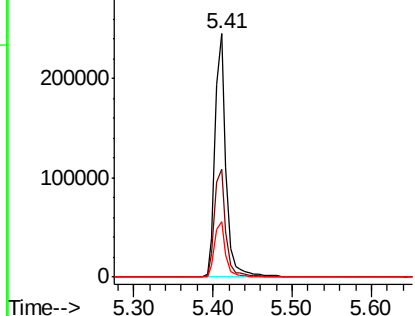
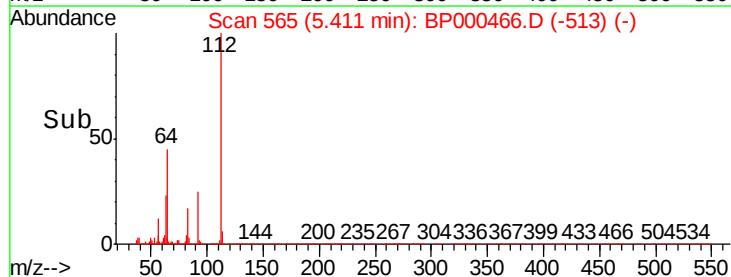
#5

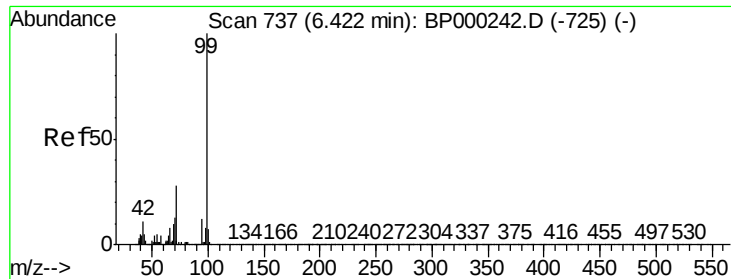
2-Fluorophenol
Concen: 18.637 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

Tgt Ion:112 Resp: 236285
Ion Ratio Lower Upper
112 100
64 44.6 36.2 54.4
63 22.8 18.3 27.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BP0
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 22.698 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BP000466.D

Acq: 27 Sep 2019 18:44

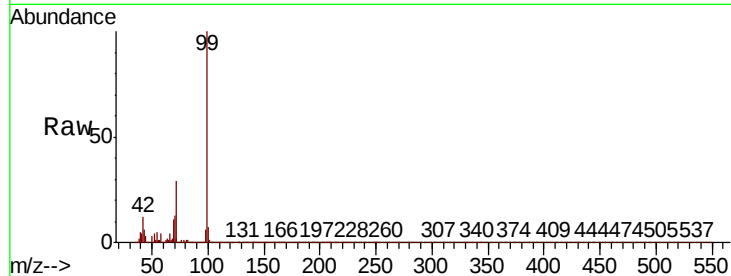
Instrument :

BNA_P

ClientSampled :

Tot Ion: 99 Resp: 352749

Ion	Ratio	Lower	Upper
99	100		
42	11.5	8.5	12.7
71	29.1	22.6	34.0

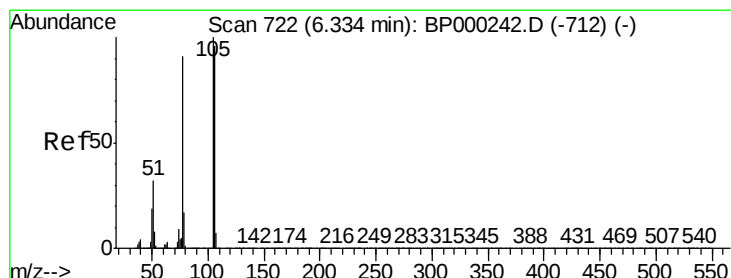
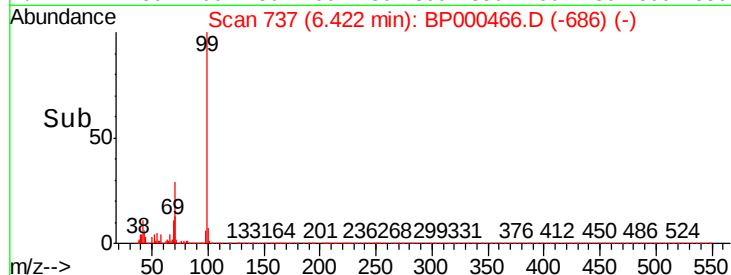


Abundance

Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.33 min Scan# 722

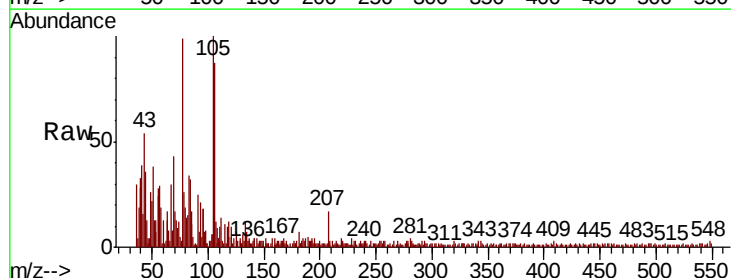
Delta R.T. 0.00 min

Lab File: BP000466.D

Acq: 27 Sep 2019 18:44

Tgt Ion: 77 Resp: 604

Ion	Ratio	Lower	Upper
77	100		
105	100.8	89.6	129.6
106	87.4	84.6	124.6

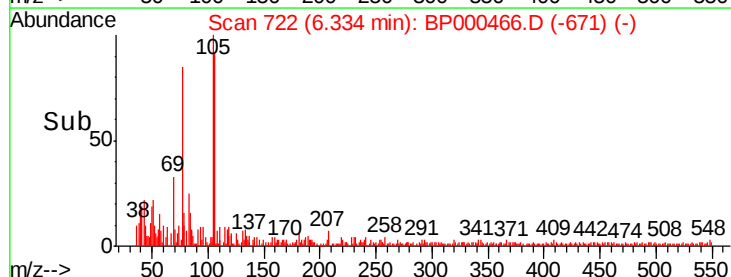


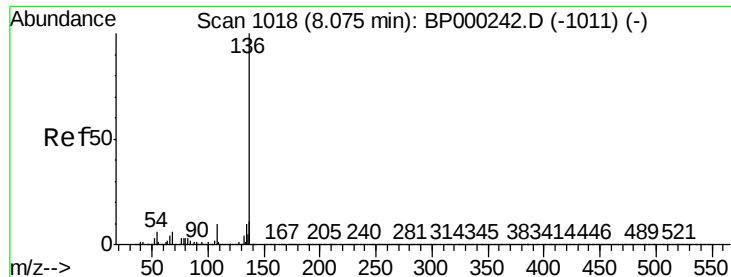
Abundance

Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

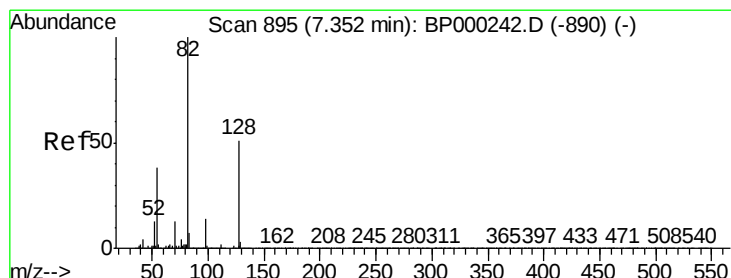
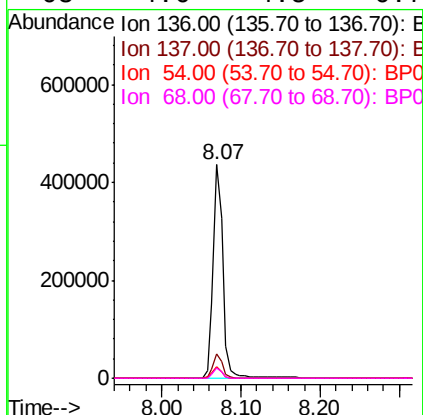
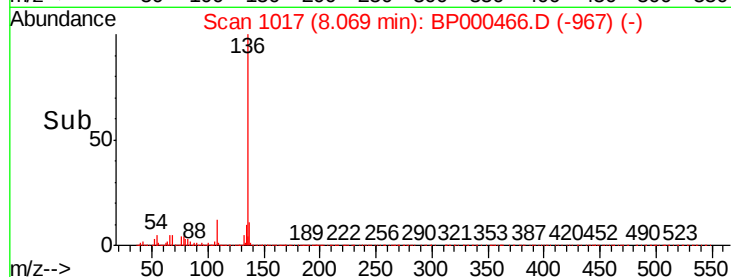
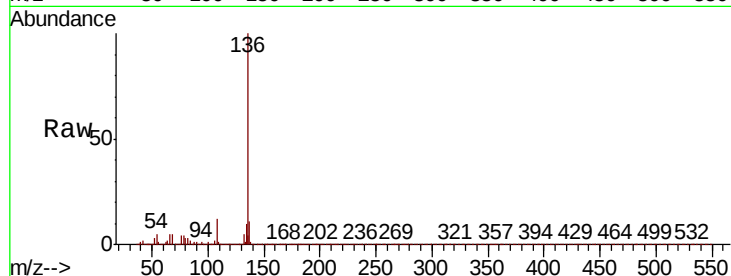




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

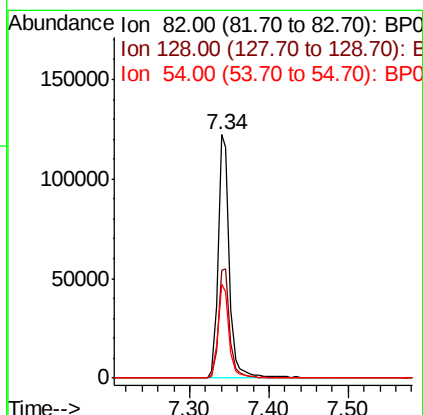
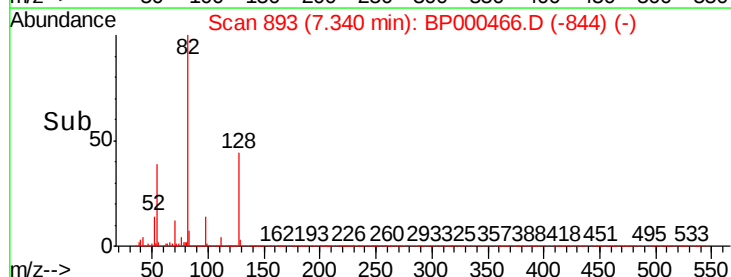
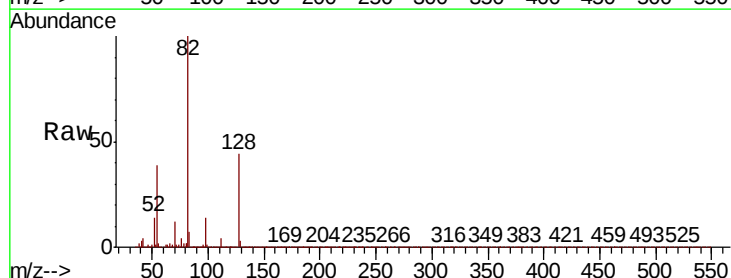
Instrument :
BNA_P
ClientSampleId :

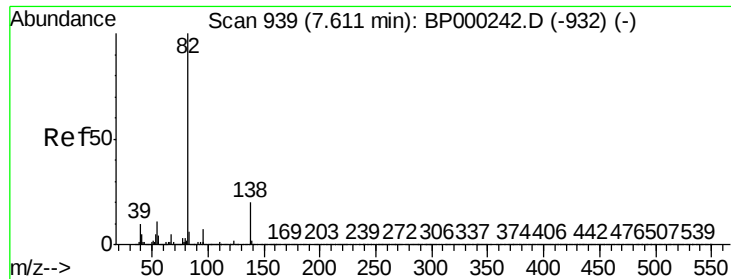
Tot Ion:136	Resp:	376695	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	8.6	13.0	
54 5.5	4.5	6.7	
68 4.6	4.5	6.7	



#23
Nitrobenzene-d5
Concen: 20.654 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

Tgt Ion: 82	Resp: 120589
Ion Ratio	Lower Upper
82 100	
128 44.2	40.7 61.1
54 38.7	30.1 45.1





#25

Isophorone

Concen: 10.391 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.27 min

Lab File: BP000466.D

Acq: 27 Sep 2019 18:44

Instrument :

BNA_P

ClientSampleId :

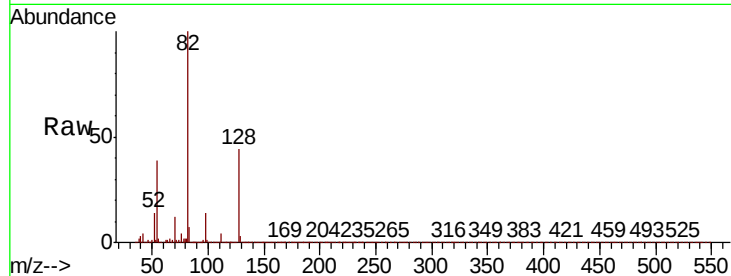
Tot Ion: 82 Resp: 120134

Ion Ratio Lower Upper

82 100

95 0.1 5.9 8.9#

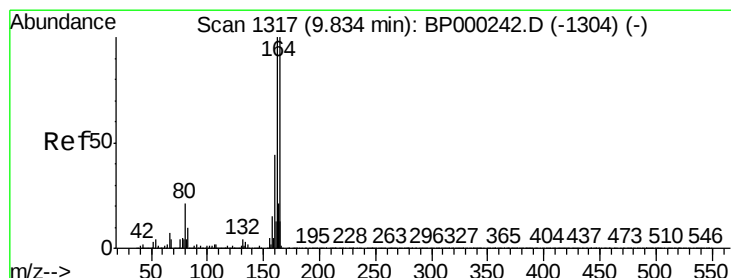
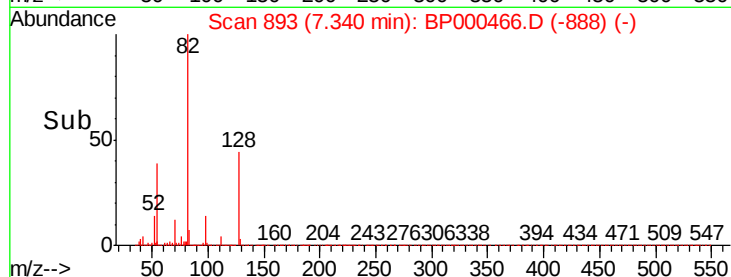
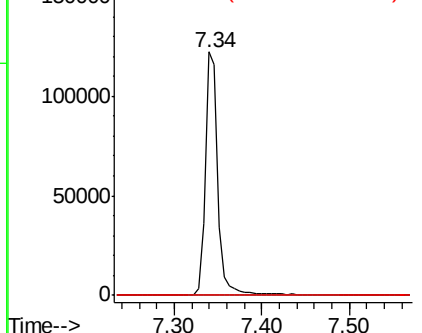
138 0.0 15.9 23.9#



Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BP000466.D

Acq: 27 Sep 2019 18:44

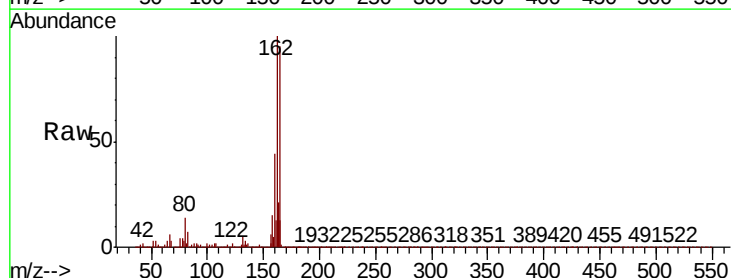
Tgt Ion: 164 Resp: 209409

Ion Ratio Lower Upper

164 100

162 105.4 79.9 119.9

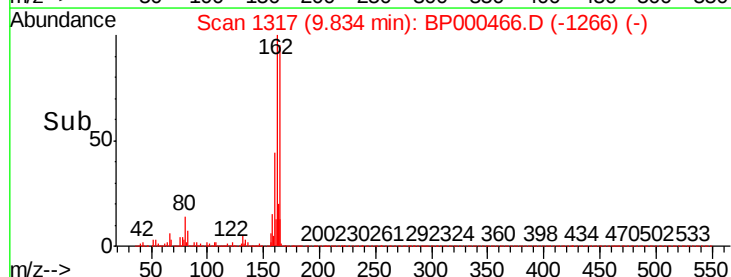
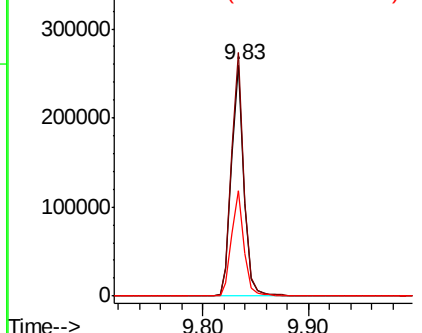
160 45.9 35.6 53.4

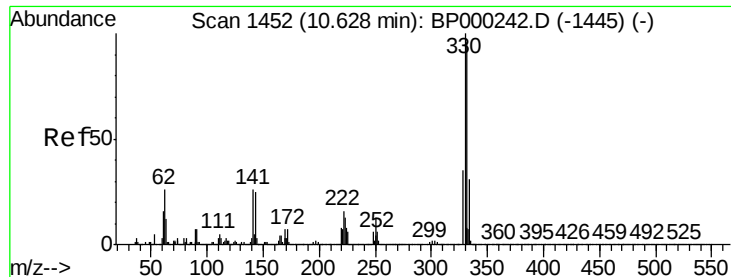


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

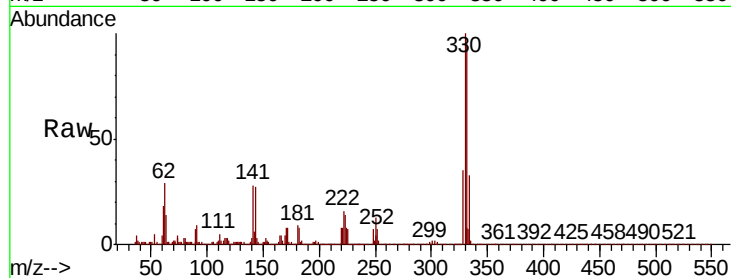




#42
2,4,6-Tribromophenol
Concen: 25.594 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.6	115.0
141	31.5	26.5	39.7

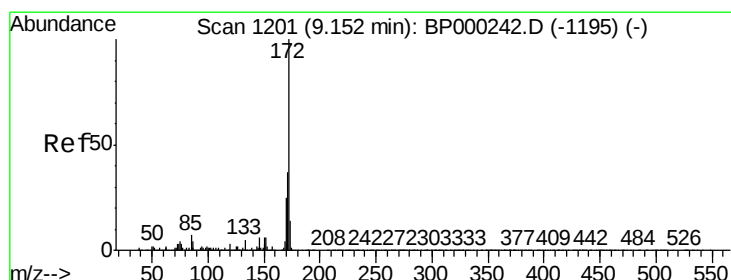
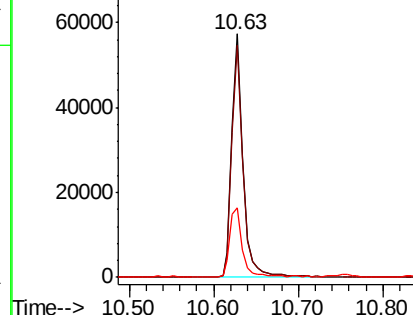
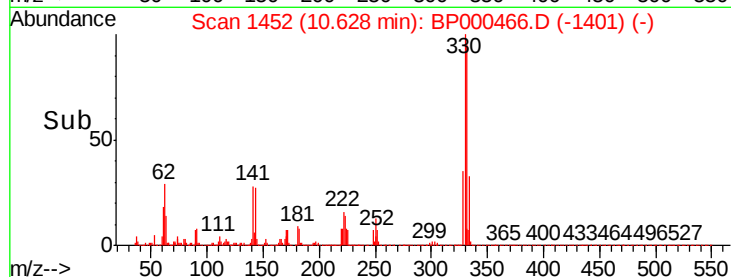


Abundance

Ion 329.80 (329.50 to 330.50): E

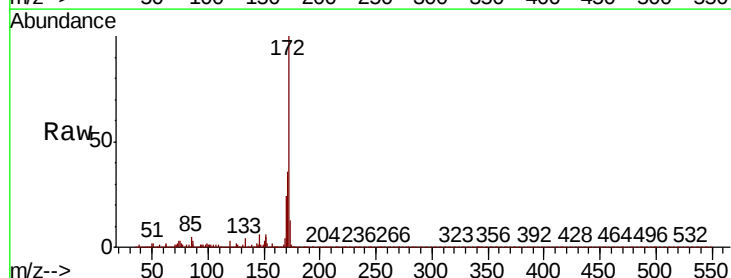
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 18.806 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.8	44.6
170	23.8	19.8	29.6

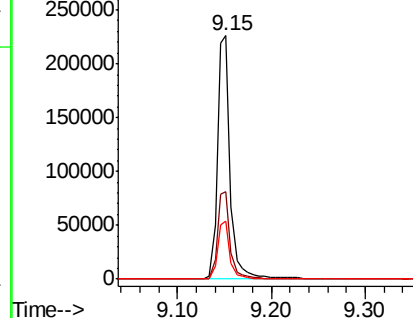
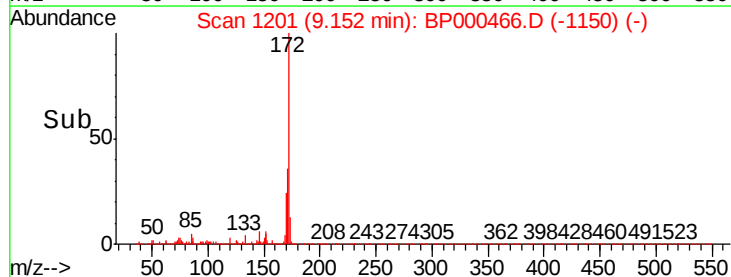


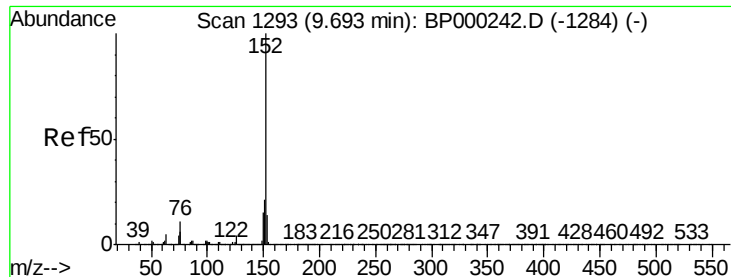
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.081 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BP000466.D

Acq: 27 Sep 2019 18:44

Instrument :

BNA_P

ClientSampleId :

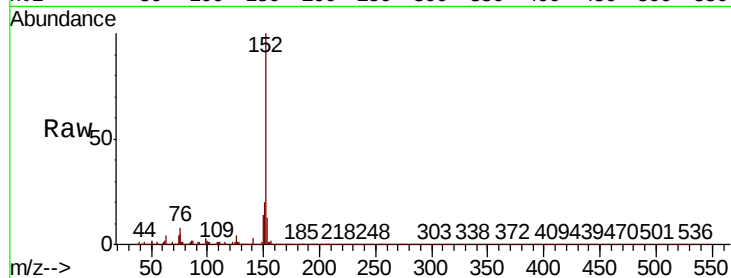
Tot Ion:152 Resp: 38018

Ion Ratio Lower Upper

152 100

151 19.8 16.4 24.6

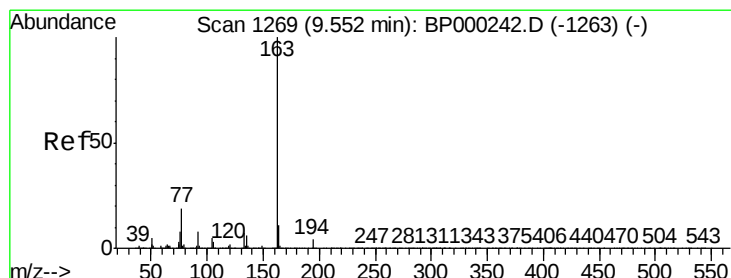
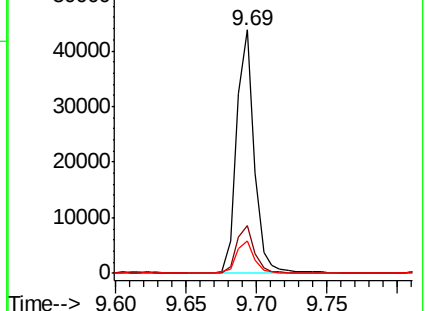
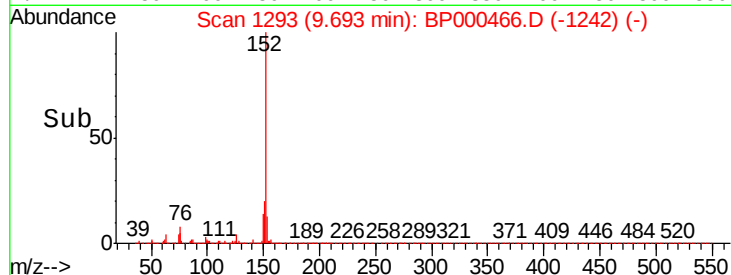
153 13.3 11.0 16.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 3.325 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BP000466.D

Acq: 27 Sep 2019 18:44

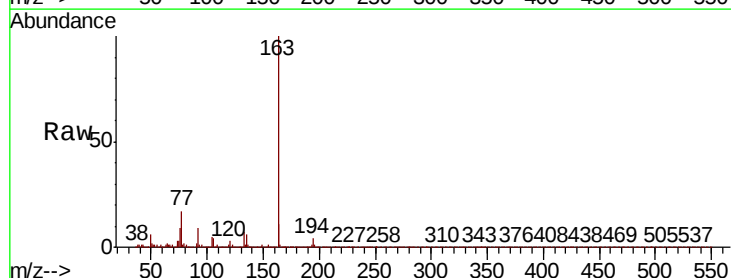
Tgt Ion:163 Resp: 47437

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

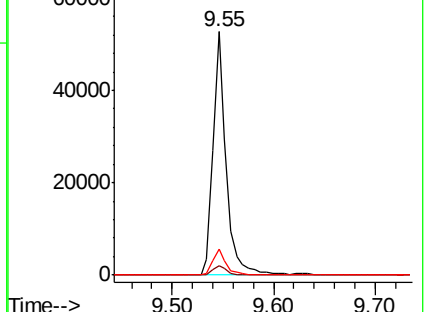
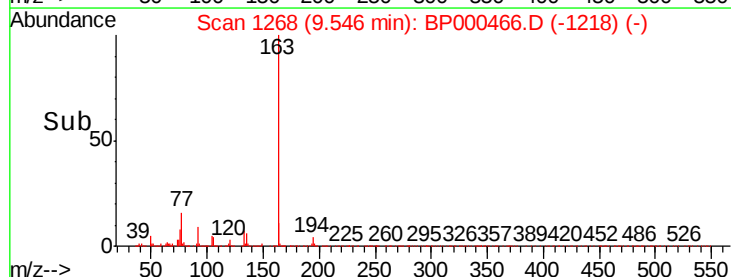
164 10.9 8.5 12.7

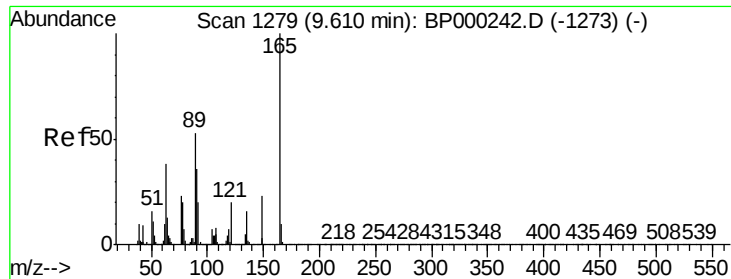


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

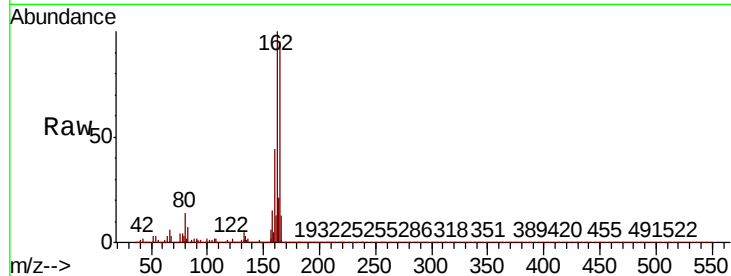




#51
2,6-Dinitrotoluene
Concen: 9.075 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.22 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

Instrument :
BNA_P
ClientSampleId :

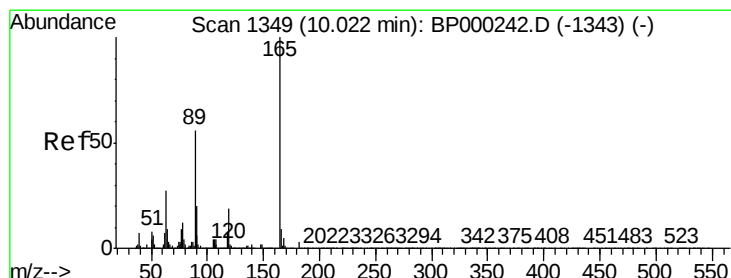
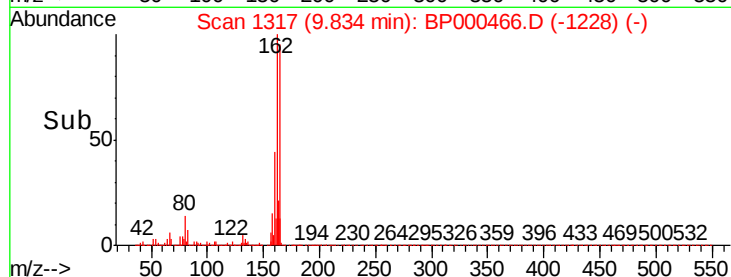
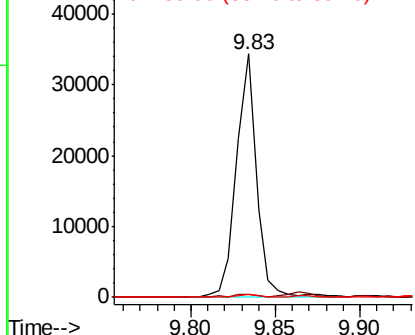
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	35.8	53.8#
89	1.3	42.6	63.8#



Abundance Ion 165.00 (164.70 to 165.70): E

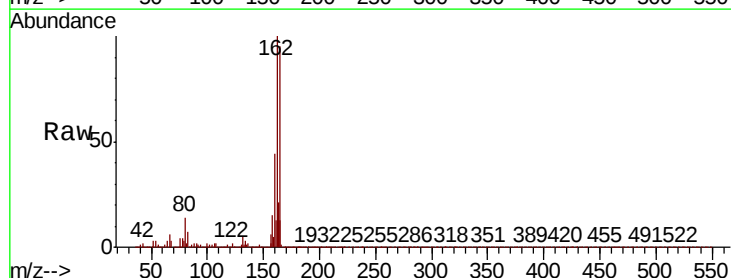
Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0



#57
2,4-Dinitrotoluene
Concen: 6.953 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.19 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	21.7	32.5#
89	1.3	45.0	67.6#
182	0.2	2.4	3.6#

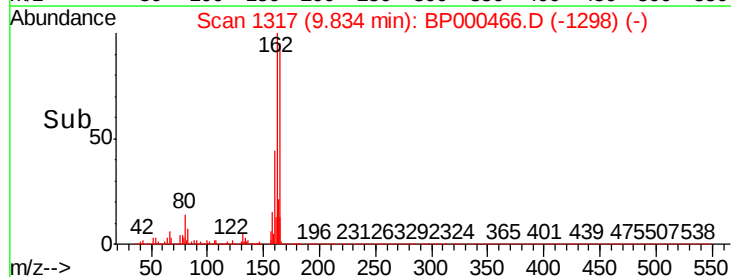
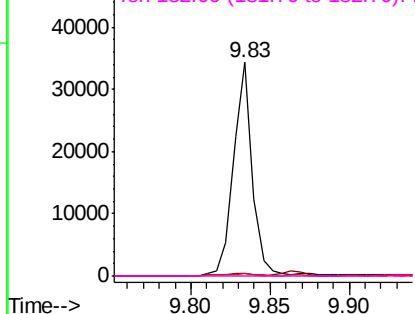


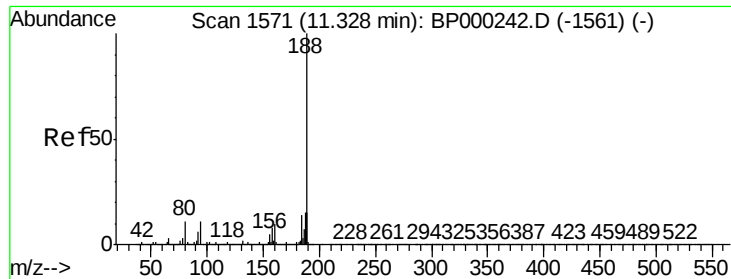
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E

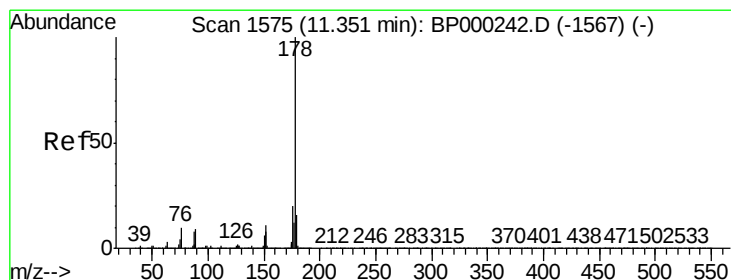
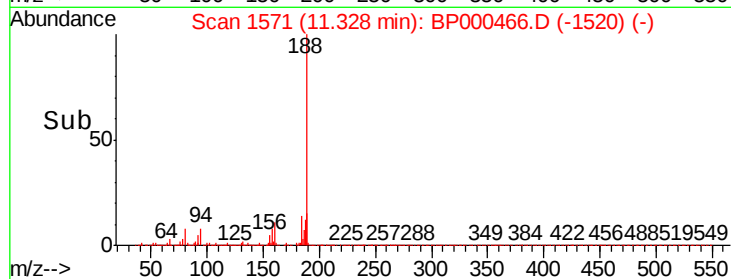
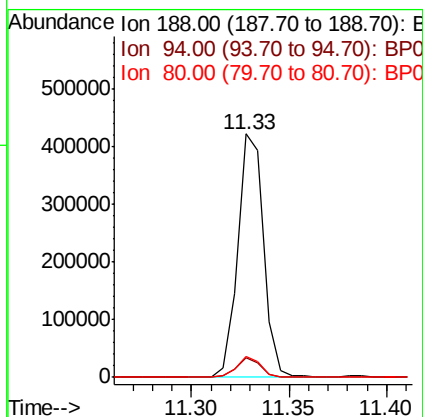
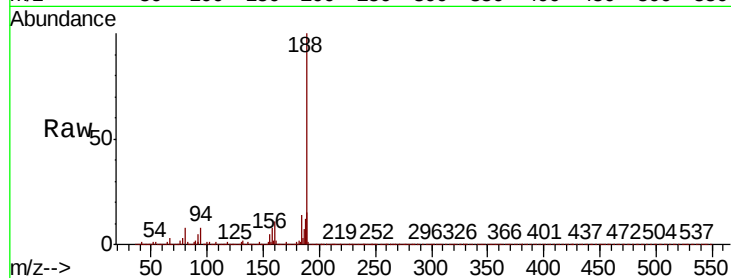




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

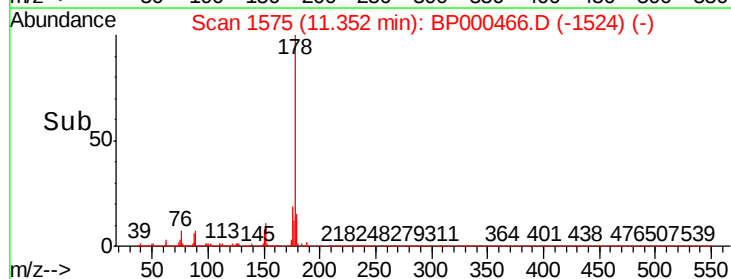
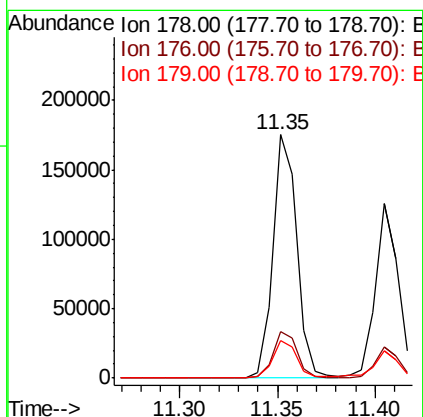
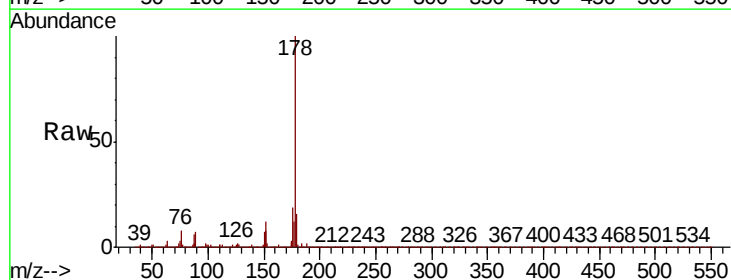
Instrument :
BNA_P
ClientSampled :

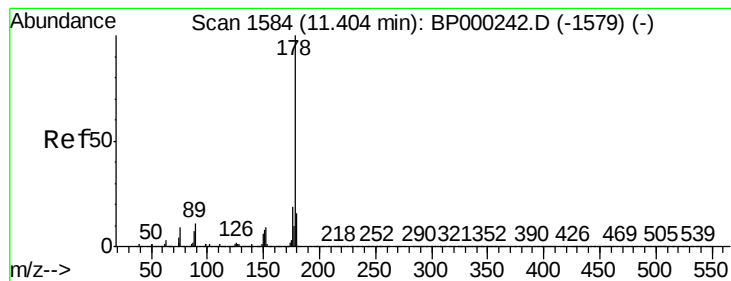
Tot Ion:188 Resp: 386654
Ion Ratio Lower Upper
188 100
94 7.9 8.5 12.7#
80 8.4 8.6 13.0#



#71
Phenanthrene
Concen: 7.649 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

Tgt Ion:178 Resp: 148217
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.7 12.7 19.1





#72

Anthracene

Concen: 5.005 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BP000466.D

Acq: 27 Sep 2019 18:44

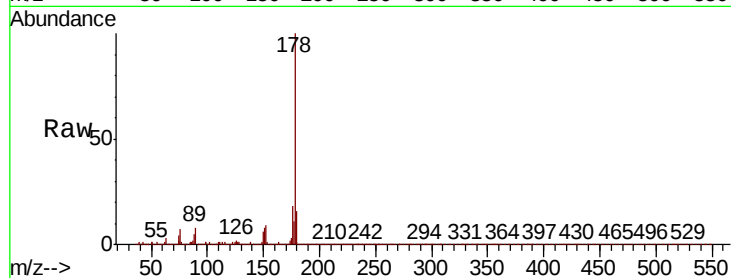
Instrument :

BNA_P

ClientSampled :

Tot Ion:178 Resp: 99815

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.0
179	15.9	12.7	19.1

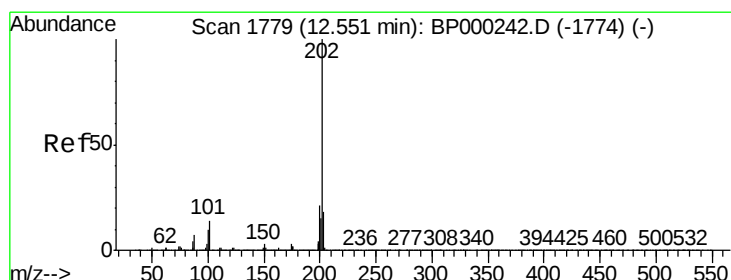
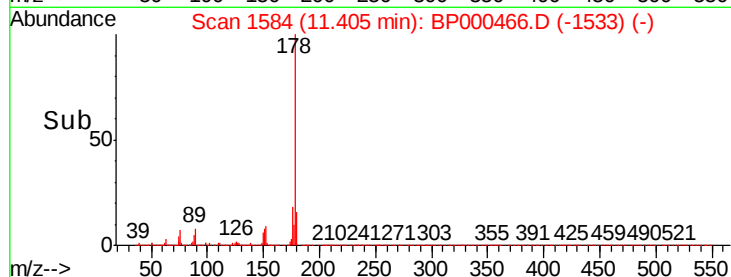
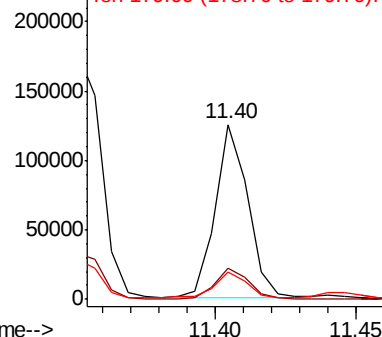


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 50.887 ng

RT: 12.56 min Scan# 1780

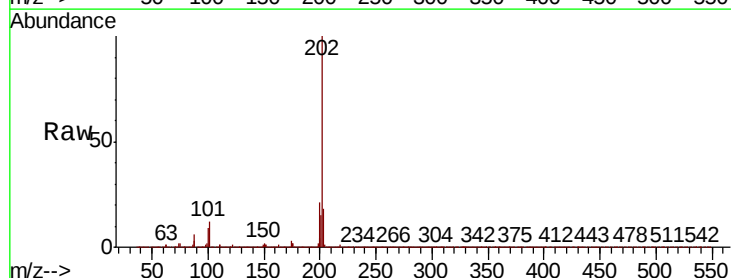
Delta R.T. 0.01 min

Lab File: BP000466.D

Acq: 27 Sep 2019 18:44

Tgt Ion:202 Resp: 1058742

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.9
203	17.8	0.0	38.0

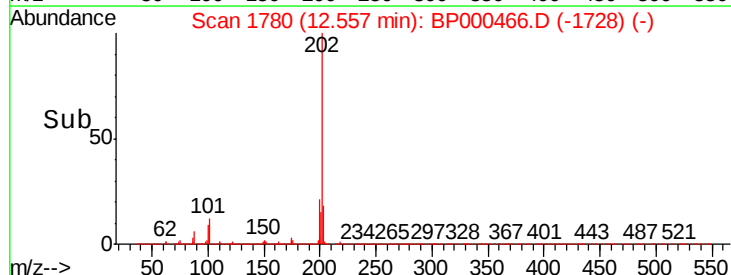
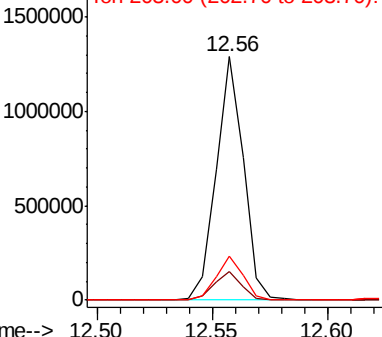


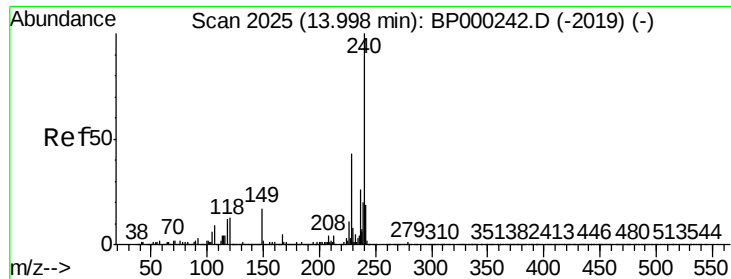
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

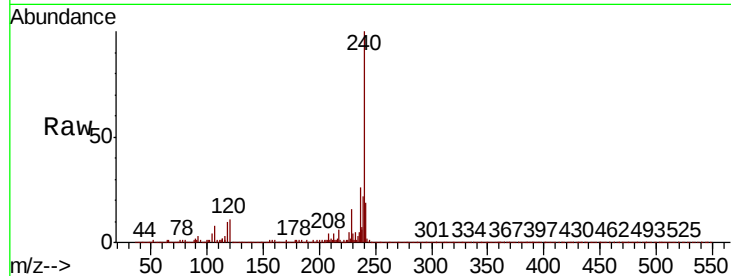




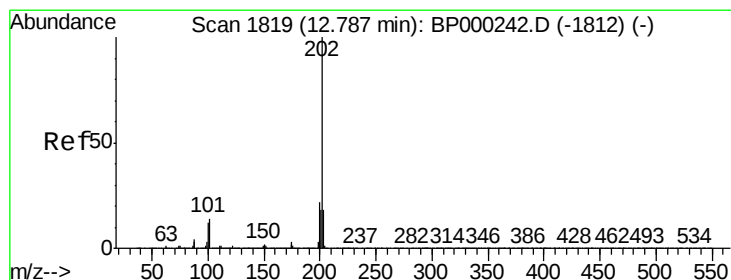
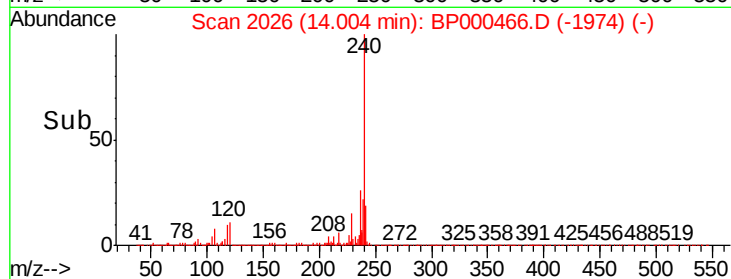
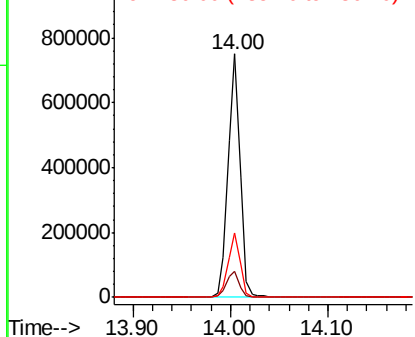
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

Instrument :
BNA_P
ClientSampleId :

Tot Ion:240 Resp: 640672
Ion Ratio Lower Upper
240 100
120 10.8 10.4 15.6
236 26.2 21.0 31.6

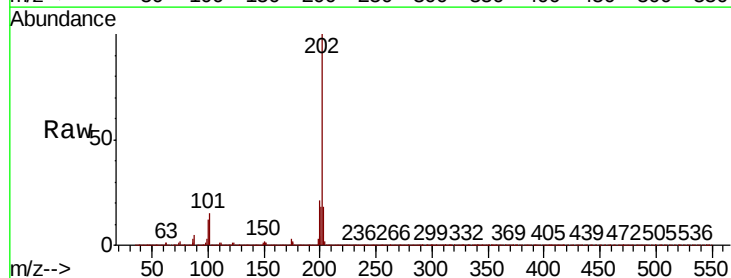


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

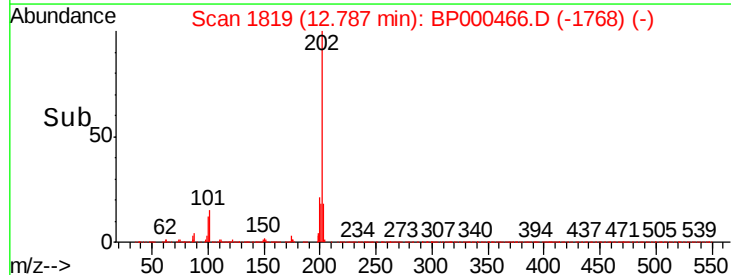
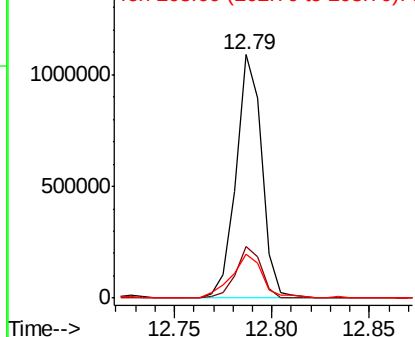


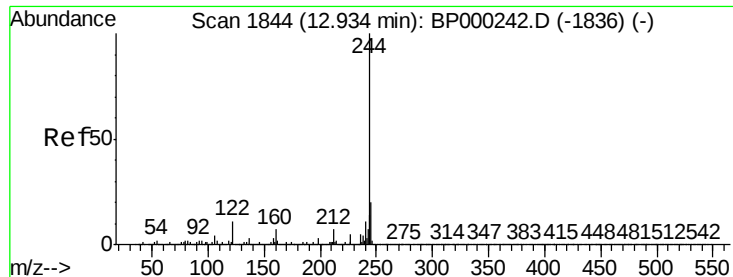
#78
Pyrene
Concen: 20.793 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.00 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

Tgt Ion:202 Resp: 996657
Ion Ratio Lower Upper
202 100
200 21.3 17.5 26.3
203 18.2 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

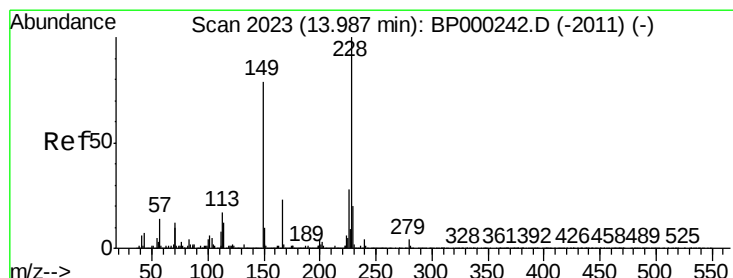
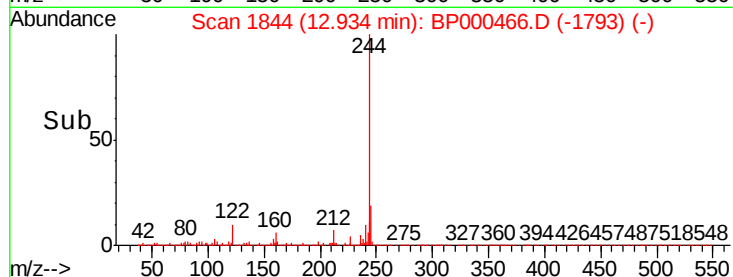
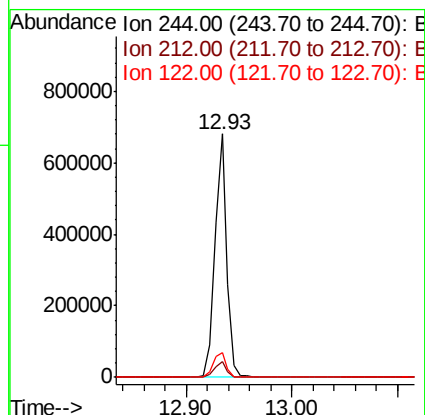
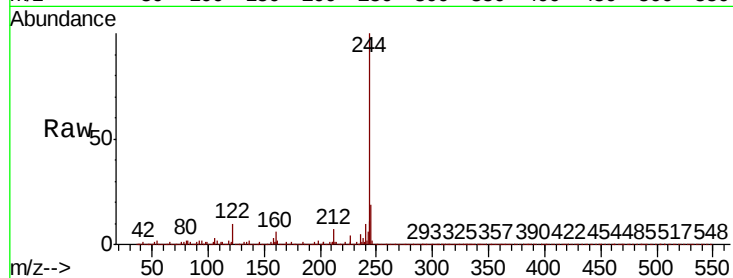




#79
 Terphenyl-d14
 Concen: 17.596 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BP000466.D
 Acq: 27 Sep 2019 18:44

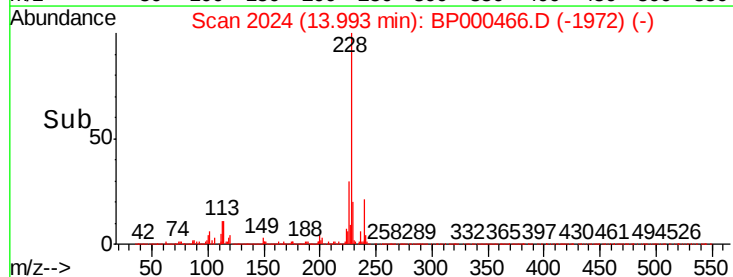
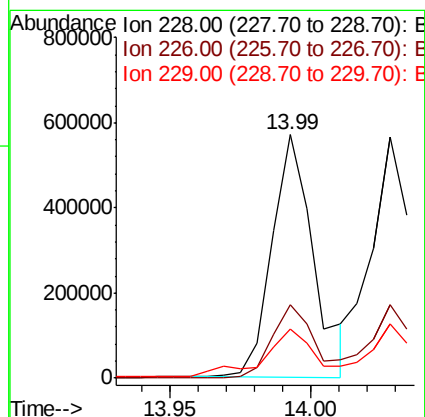
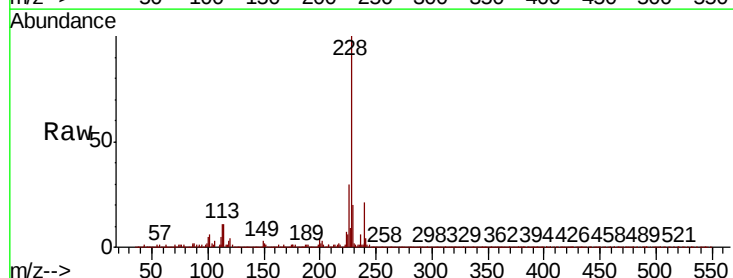
Instrument :
 BNA_P
 ClientSampleId :

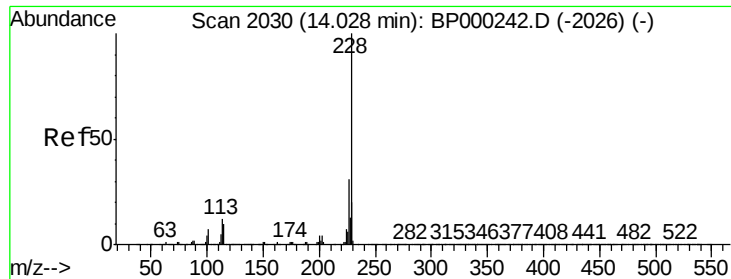
Tot Ion:244 Resp: 537370
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 10.3 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 14.329 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.01 min
 Lab File: BP000466.D
 Acq: 27 Sep 2019 18:44

Tgt Ion:228 Resp: 579900
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.2 33.4
 229 20.3 16.0 24.0





#83

Chrysene

Concen: 13.513 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BP000466.D

Acq: 27 Sep 2019 18:44

Instrument :

BNA_P

ClientSampleId :

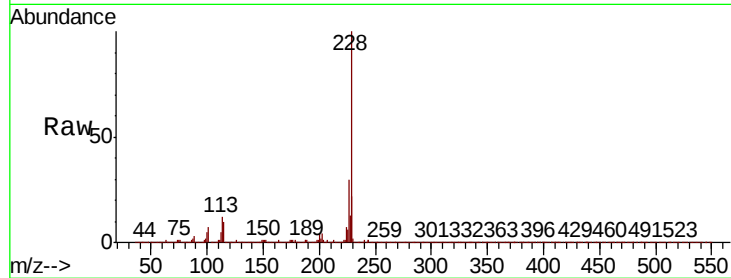
Tot Ion:228 Resp: 536944

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

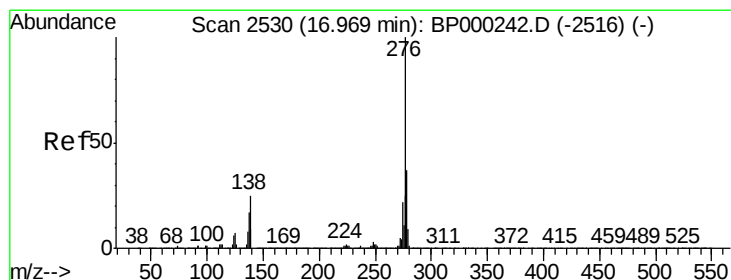
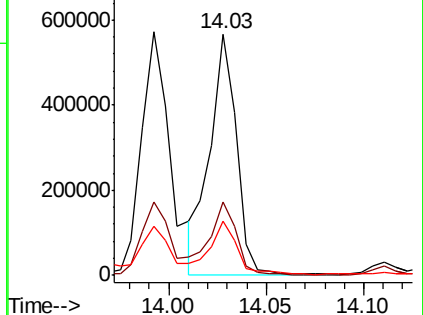
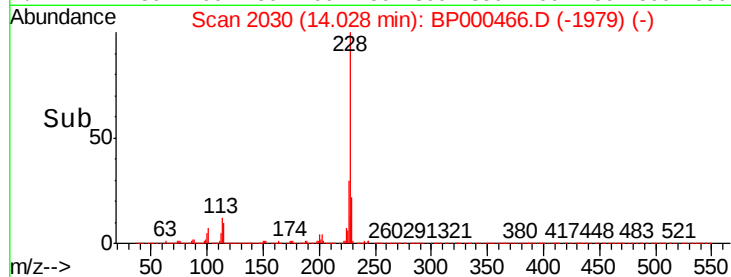
229 22.4 16.2 24.2



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.951 ng

RT: 16.97 min Scan# 2531

Delta R.T. 0.01 min

Lab File: BP000466.D

Acq: 27 Sep 2019 18:44

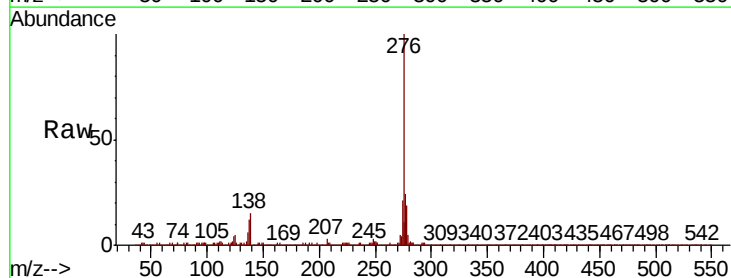
Tgt Ion:276 Resp: 191343

Ion Ratio Lower Upper

276 100

138 16.0 22.6 33.8#

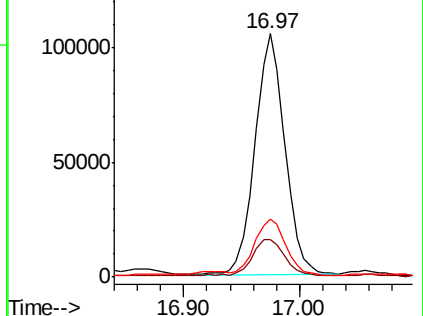
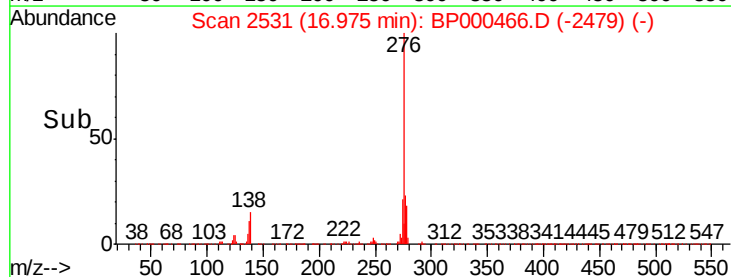
277 24.4 20.4 30.6

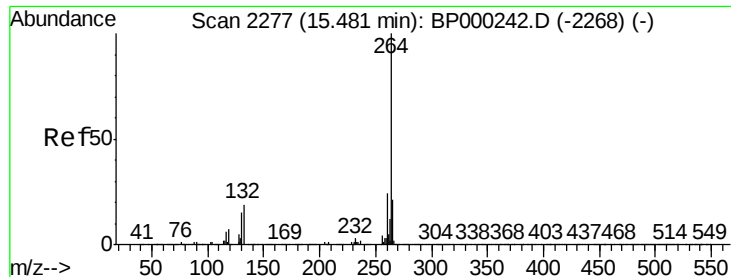


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BP000466.D

Acq: 27 Sep 2019 18:44

Instrument :

BNA_P

ClientSampleId :

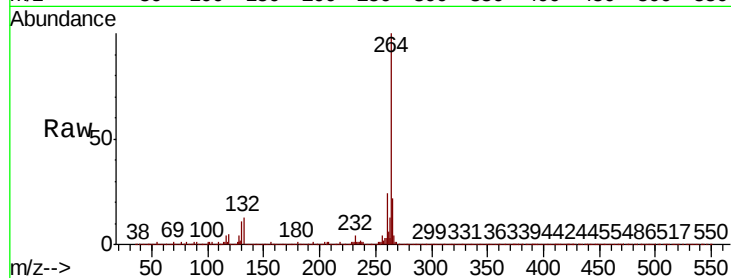
Tot Ion:264 Resp: 388285

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 22.0 17.2 25.8

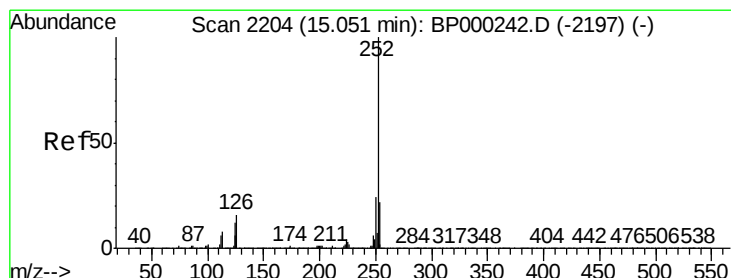
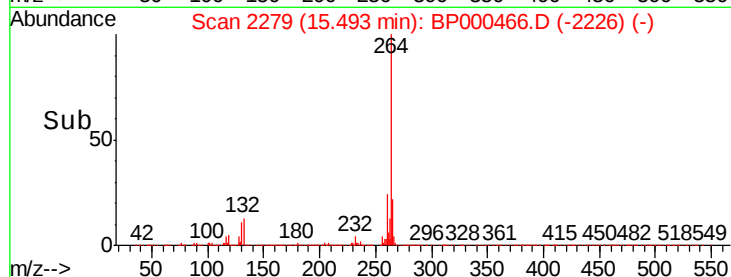
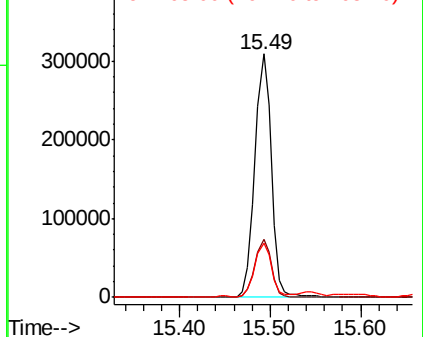


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 2.979 ng

RT: 15.17 min Scan# 2224

Delta R.T. 0.12 min

Lab File: BP000466.D

Acq: 27 Sep 2019 18:44

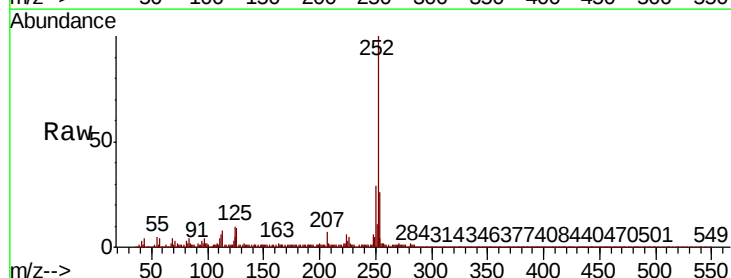
Tgt Ion:252 Resp: 68995

Ion Ratio Lower Upper

252 100

253 25.8 17.8 26.6

125 10.1 9.5 14.3

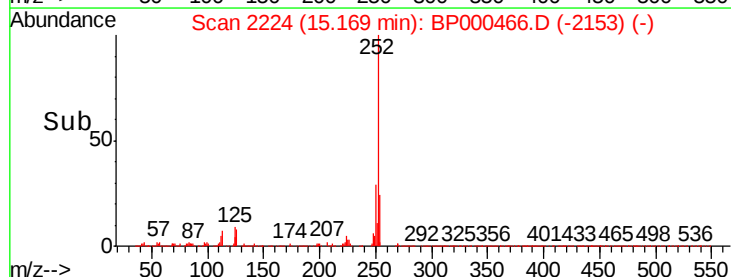
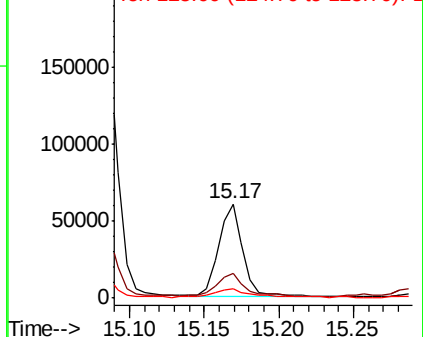


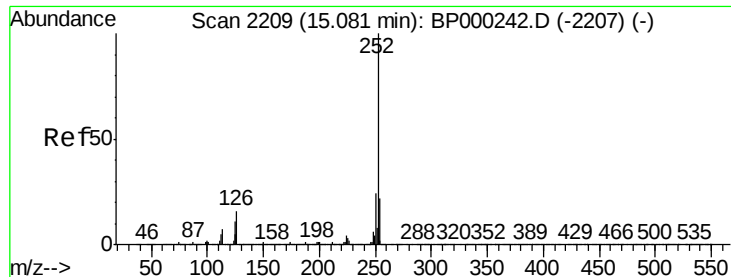
Abundance

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

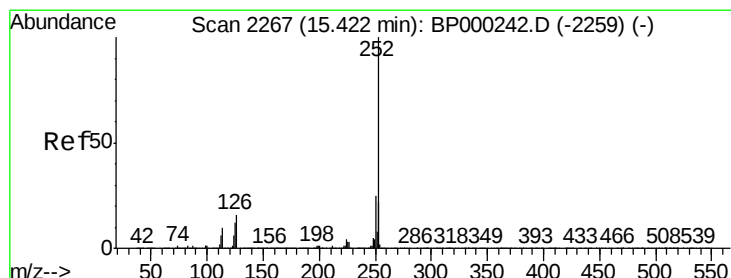
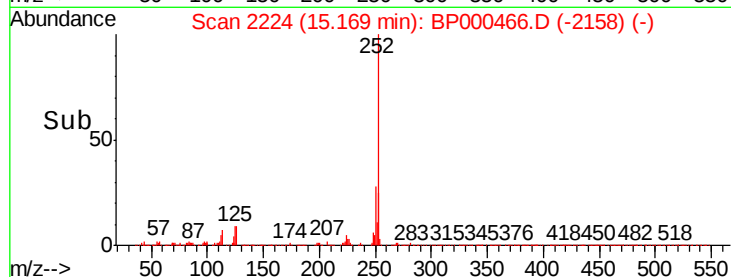
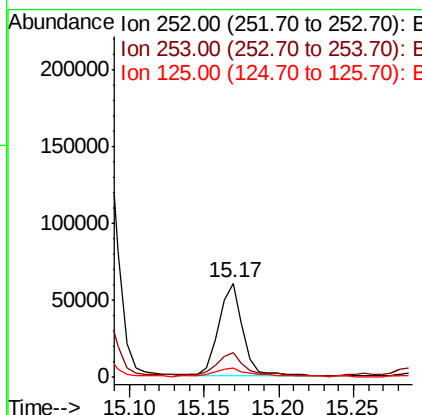
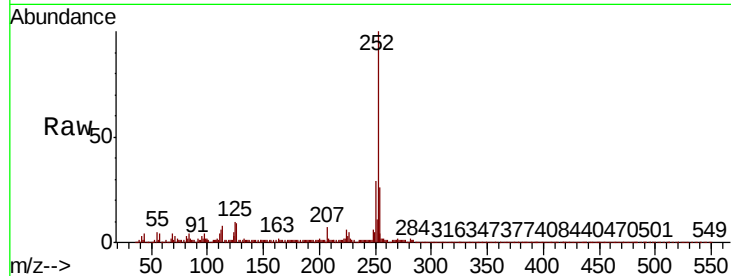




#89
Benzo(k)fluoranthene
Concen: 3.415 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.09 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

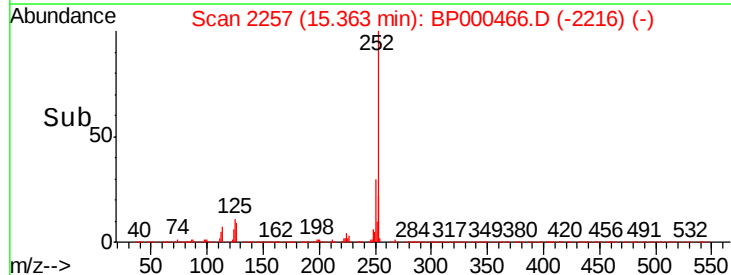
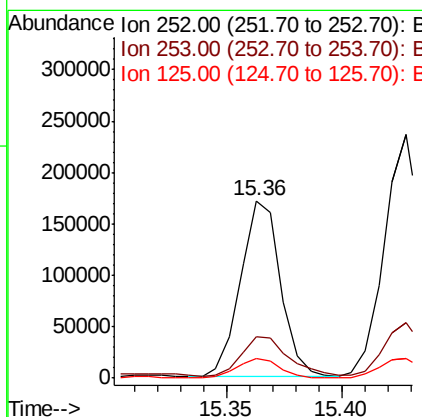
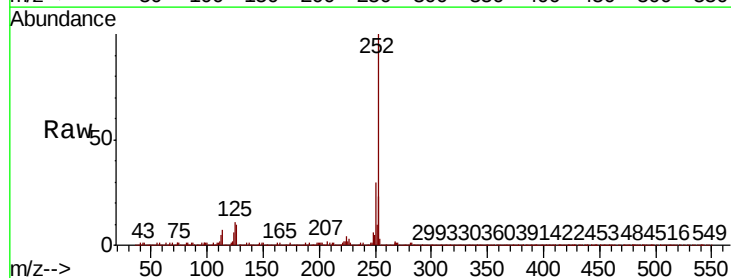
Instrument :
BNA_P
ClientSampleId :

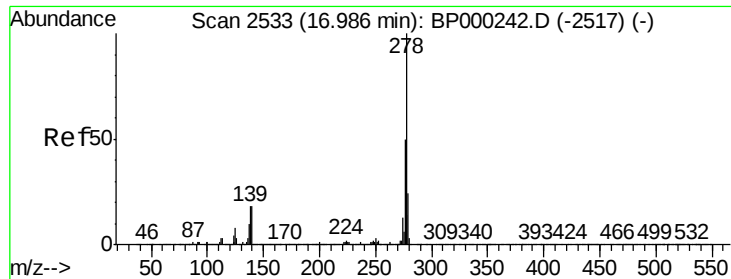
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.8	26.8
125	10.1	9.6	14.4



#90
Benzo(a)pyrene
Concen: 9.875 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.06 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	11.2	10.0	15.0

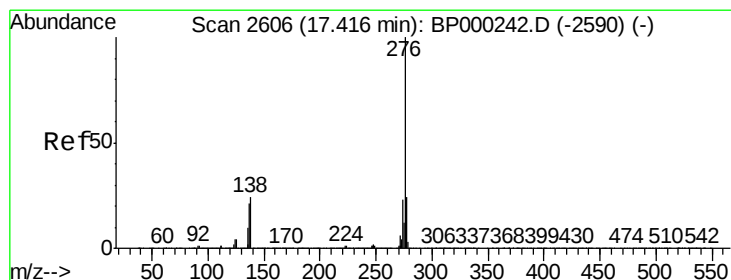
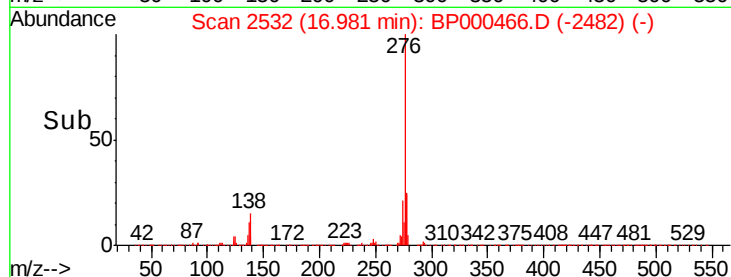
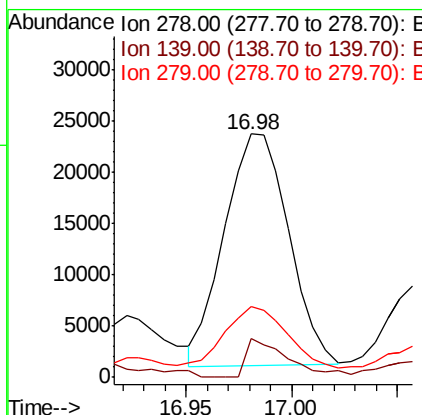
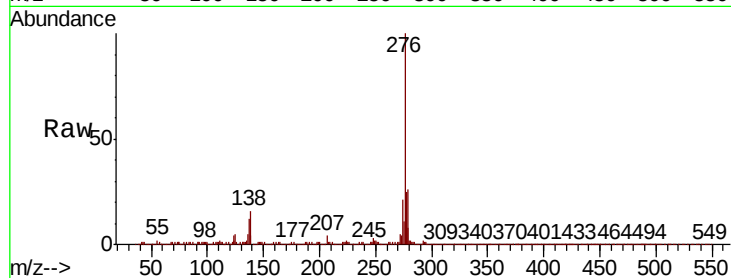




#91
Dibenzo(a,h)anthracene
Concen: 2.432 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

Instrument :
BNA_P
ClientSampleId :

Tot Ion:278 Resp: 47789
Ion Ratio Lower Upper
278 100
139 16.1 14.5 21.7
279 29.0 19.0 28.6#



#92
Benzo(g,h,i)perylene
Concen: 8.654 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BP000466.D
Acq: 27 Sep 2019 18:44

Tgt Ion:276 Resp: 174808
Ion Ratio Lower Upper
276 100
277 25.1 19.1 28.7
138 17.1 19.5 29.3#

