

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120719\
 Data File : BP001267.D
 Acq On : 07 Dec 2019 21:33
 Operator : JU
 Sample : K6113-01DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 09 00:45:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 05 12:34:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.31	152	70732	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	257589	20.00	ng	0.00
39) Acenaphthene-d10	13.20	164	167025	20.00	ng	0.00
64) Phenanthrene-d10	15.60	188	332296	20.00	ng	0.00
76) Chrysene-d12	19.24	240	225341	20.00	ng	-0.02
87) Perylene-d12	21.02	264	251527	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.21	112	231037	54.19	ng	0.00
7) Phenol-d6	7.75	99	312630	55.04	ng	-0.01
23) Nitrobenzene-d5	9.19	82	211277	35.59	ng	-0.01
42) 2,4,6-Tribromophenol	14.49	330	111527	69.66	ng	-0.01
45) 2-Fluorobiphenyl	12.12	172	409216	35.86	ng	-0.01
79) Terphenyl-d14	17.88	244	544159	44.68	ng	-0.01

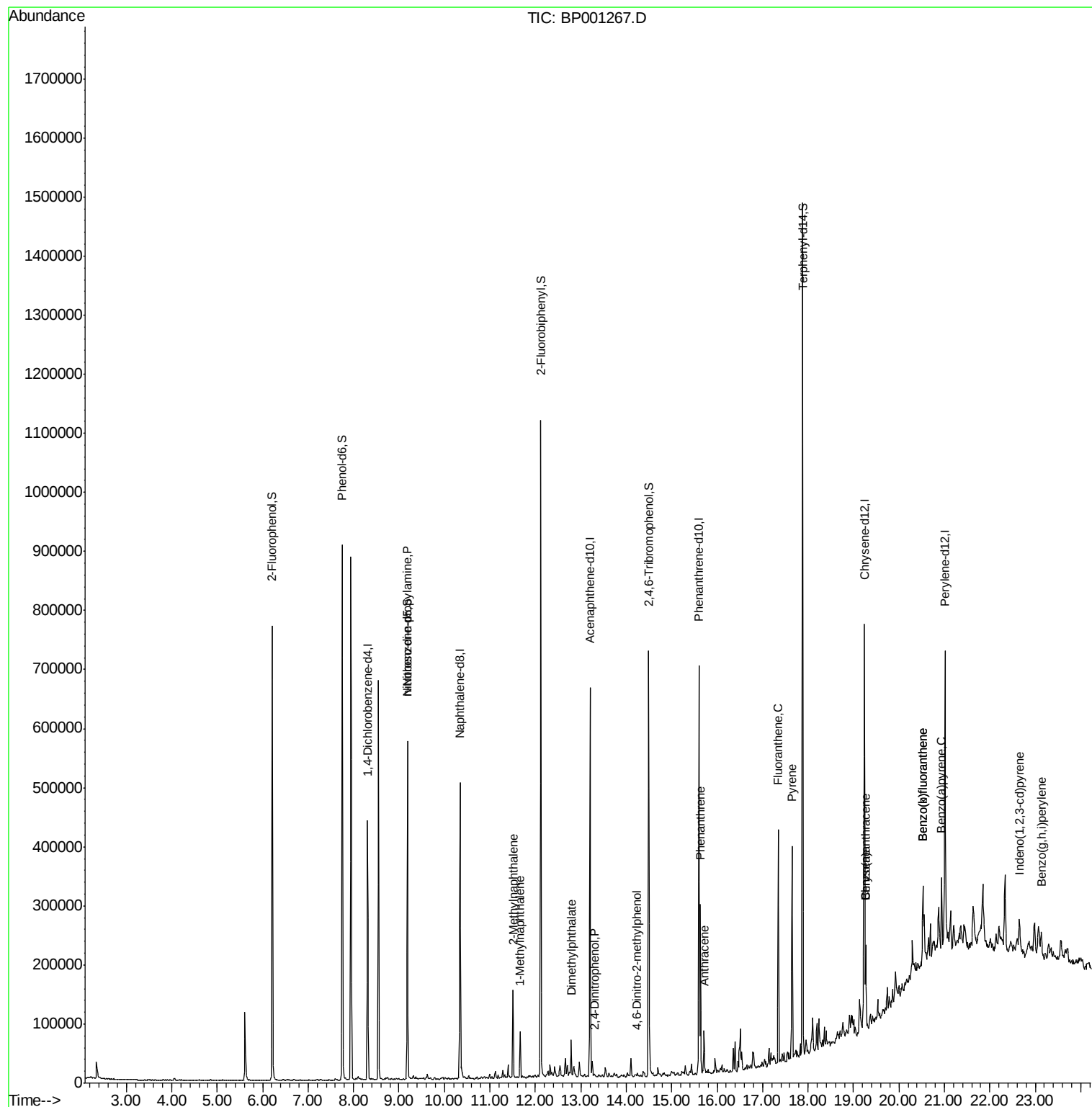
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.59	77	249	Below Cal		# 44
19) n-Nitroso-di-n-propylamine	9.19	70	31219	7.617	ng	# 79
37) 2-Methylnaphthalene	11.51	142	46839	5.218	ng	97
38) 1-Methylnaphthalene	11.66	142	22984	2.710	ng	99
50) Dimethylphthalate	12.79	163	27448	2.197	ng	98
54) 2,4-Dinitrophenol	13.31	184	23	7.128	ng	# 1
65) 4,6-Dinitro-2-methylphenol	14.23	198	24	6.291	ng	# 1
71) Phenanthrene	15.63	178	128637	7.363	ng	100
72) Anthracene	15.71	178	34546	2.006	ng	96
75) Fluoranthene	17.34	202	180675	9.769	ng	98
78) Pyrene	17.65	202	163185	9.194	ng	97
81) Benzo(a)anthracene	19.27	228	60842	3.894	ng	95
83) Chrysene	19.27	228	60842	4.349	ng	97
86) Indeno(1,2,3-cd)pyrene	22.64	276	40699	2.468	ng	98
88) Benzo(b)fluoranthene	20.53	252	109680	7.139	ng	# 93
89) Benzo(k)fluoranthene	20.53	252	109680	7.412	ng	# 93
90) Benzo(a)pyrene	20.94	252	62989	4.451	ng	# 93
92) Benzo(a,h,i)perylene	23.13	276	39320	2.875	ng	98

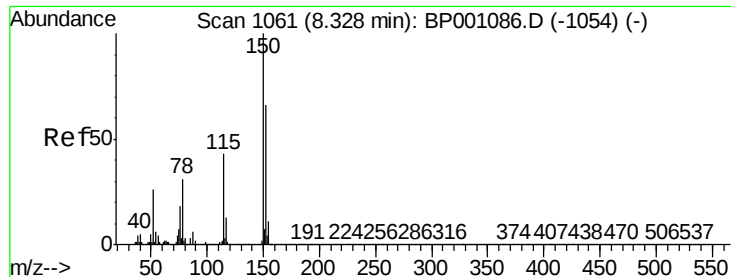
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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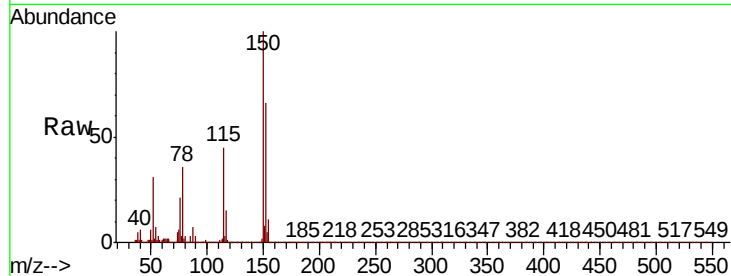




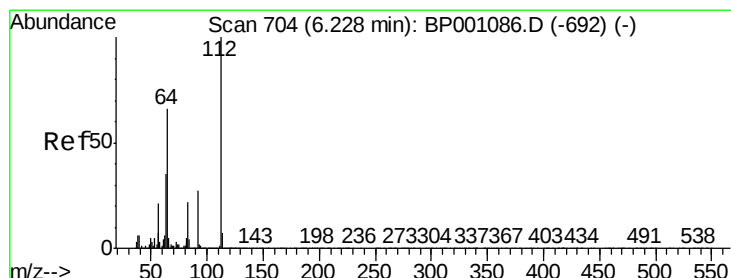
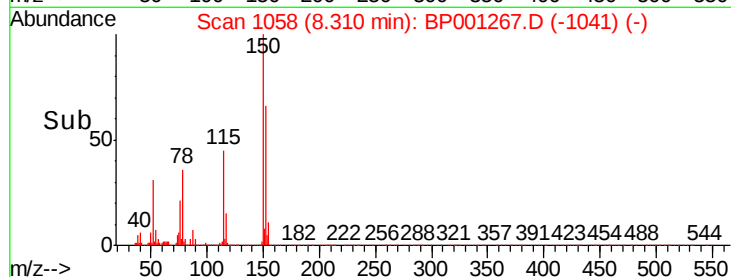
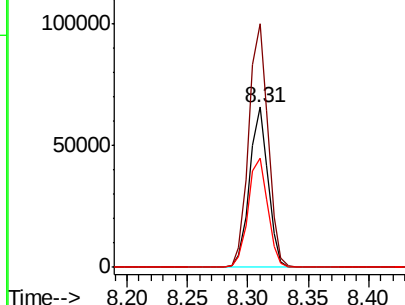
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.31 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: BP001267.D
 Acq: 07 Dec 2019 21:33

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	127.3	190.9
115	68.3	56.0	84.0

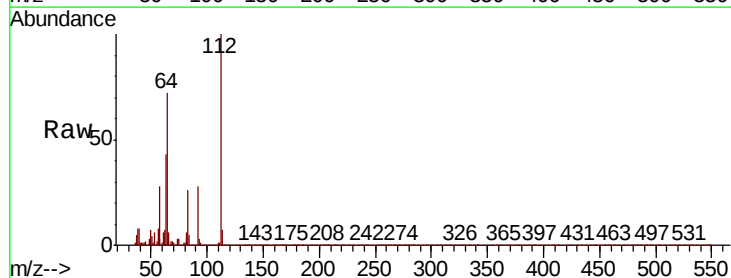


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

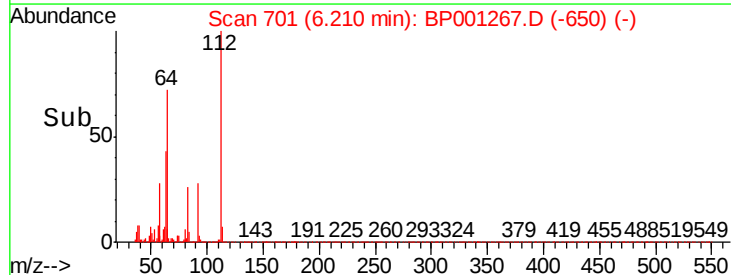
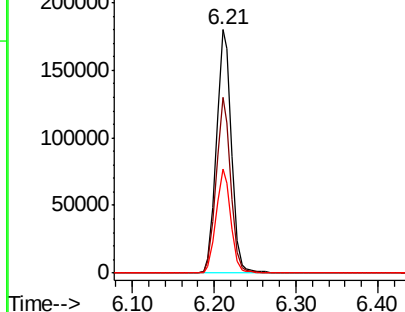


#5
 2-Fluorophenol
 Concen: 54.192 ng
 RT: 6.21 min Scan# 701
 Delta R.T. -0.00 min
 Lab File: BP001267.D
 Acq: 07 Dec 2019 21:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.3	56.8	85.2
63	42.8	32.2	48.2



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: 55.042 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BP001267.D

Acq: 07 Dec 2019 21:33

Instrument :

BNA_P

ClientSampleId :

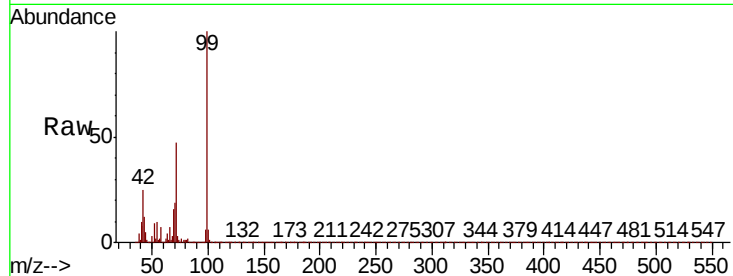
Tot Ion: 99 Resp: 312630

Ion Ratio Lower Upper

99 100

42 24.6 17.6 26.4

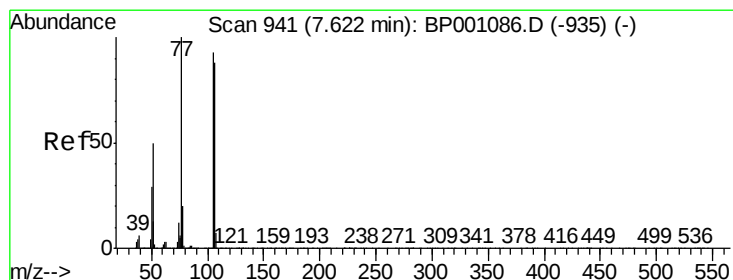
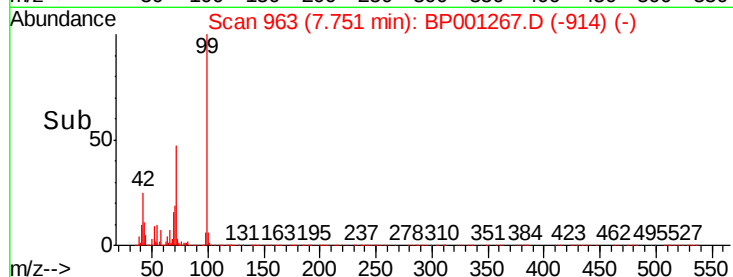
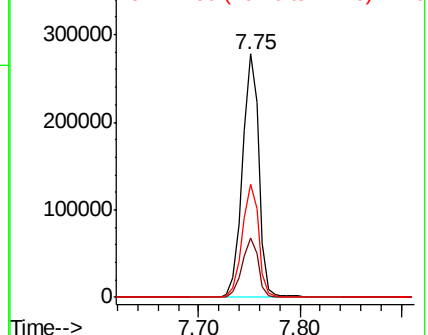
71 46.6 33.8 50.8



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: 7.59 min Scan# 936

Delta R.T. -0.02 min

Lab File: BP001267.D

Acq: 07 Dec 2019 21:33

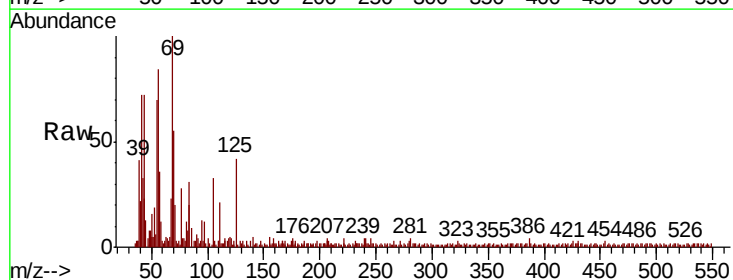
Tgt Ion: 77 Resp: 249

Ion Ratio Lower Upper

77 100

105 118.7 69.7 109.7#

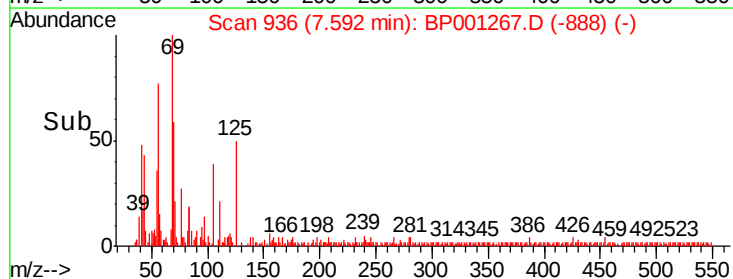
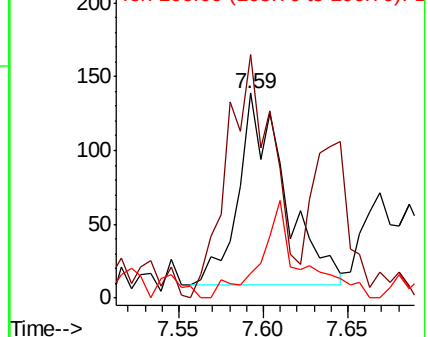
106 12.2 67.1 107.1#

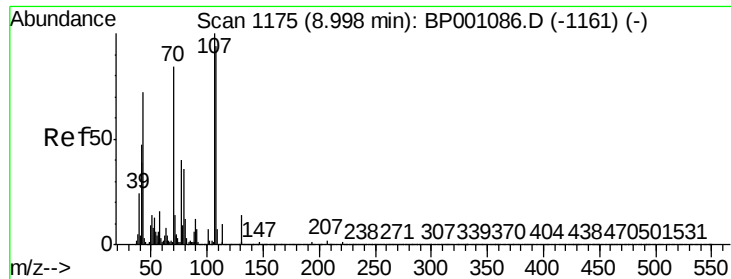


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

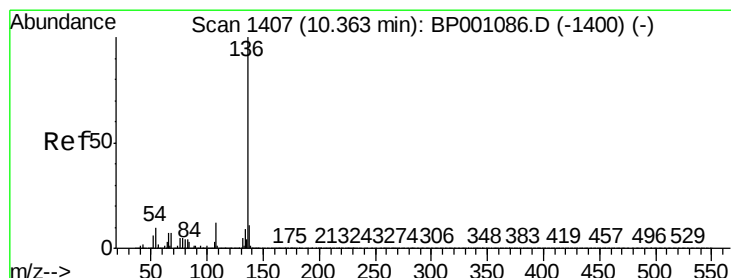
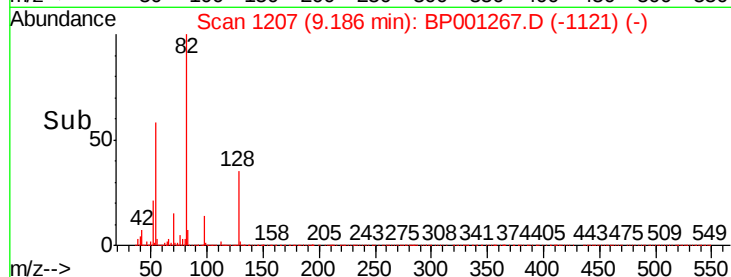
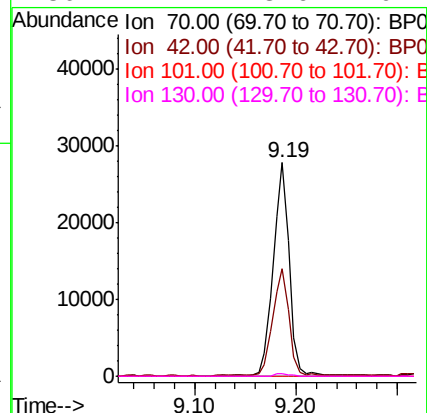
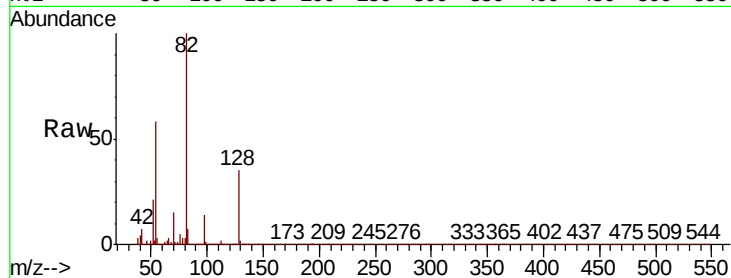




#19
n-Nitroso-di-n-propylamine
Concen: 7.617 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.21 min
Lab File: BP001267.D
Acq: 07 Dec 2019 21:33

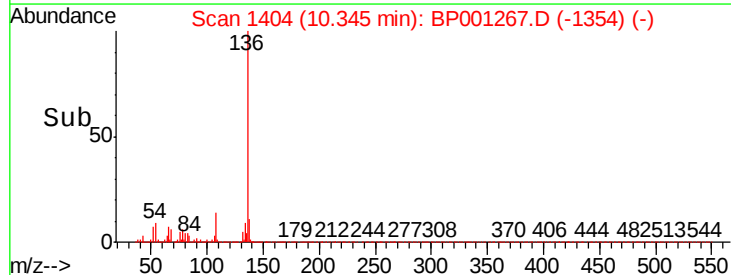
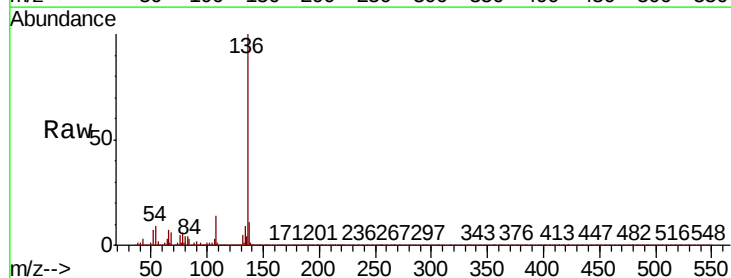
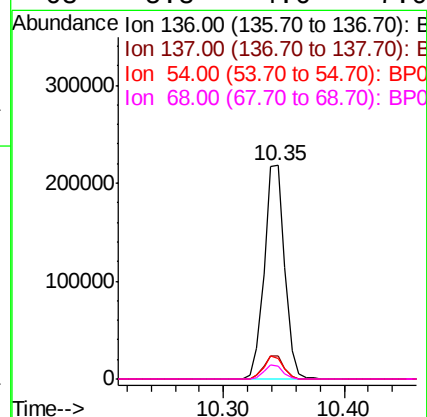
Instrument :
BNA_P
ClientSampleId :

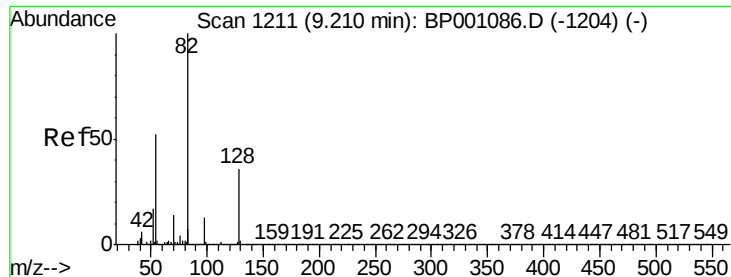
Tot Ion: 70 Resp: 31219
Ion Ratio Lower Upper
70 100
42 50.2 50.6 76.0#
101 0.1 7.1 10.7#
130 1.4 13.6 20.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.35 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BP001267.D
Acq: 07 Dec 2019 21:33

Tgt Ion: 136 Resp: 257589
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 9.3 7.4 11.0
68 5.8 4.6 7.0

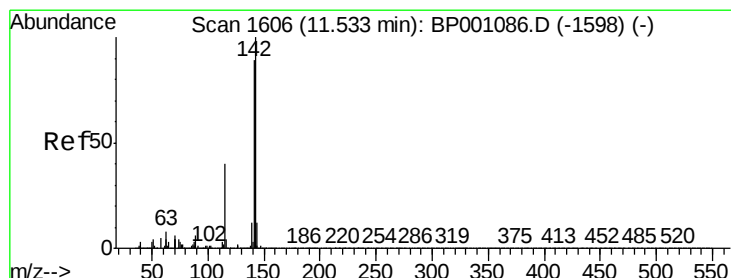
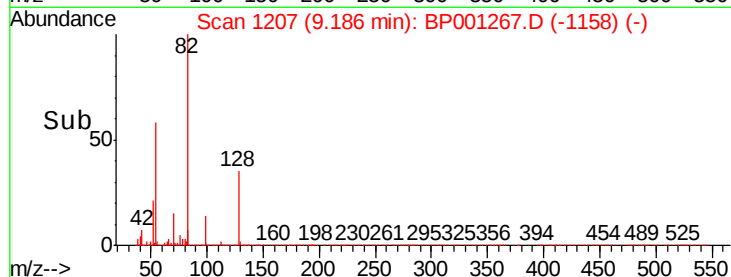
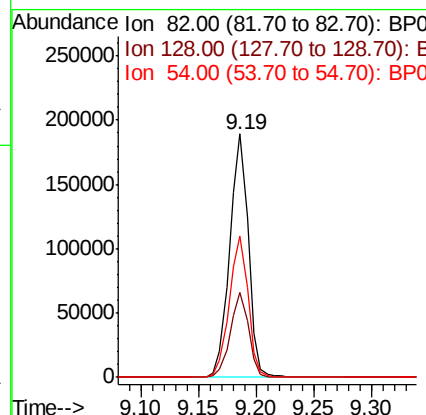
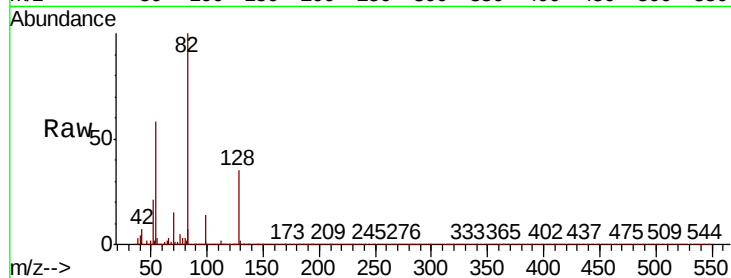




#23
 Nitrobenzene-d5
 Concen: 35.585 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BP001267.D
 Acq: 07 Dec 2019 21:33

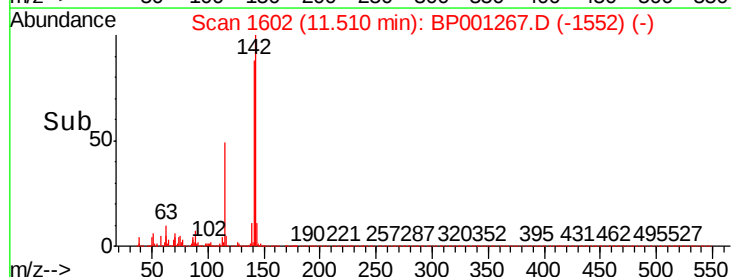
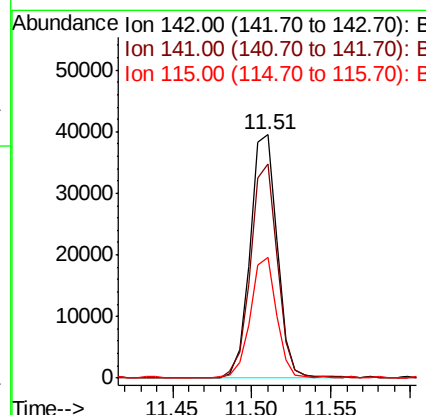
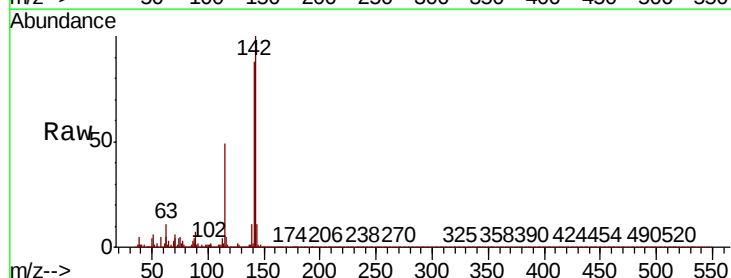
Instrument :
 BNA_P
 ClientSampleId :

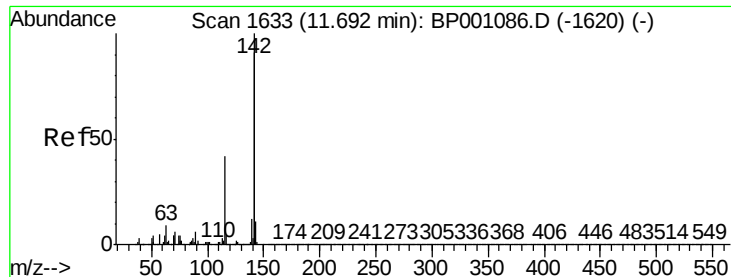
Tot Ion	Ratio	Lower	Upper
82	100		
128	34.8	27.5	41.3
54	57.9	45.7	68.5



#37
 2-Methylnaphthalene
 Concen: 5.218 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BP001267.D
 Acq: 07 Dec 2019 21:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.6	107.4
115	49.3	36.0	54.0

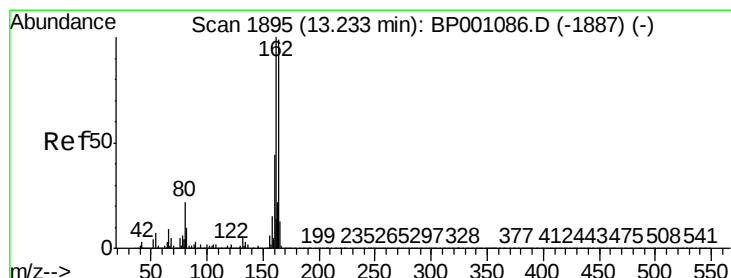
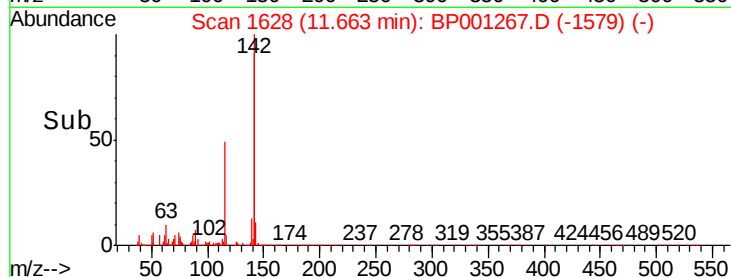
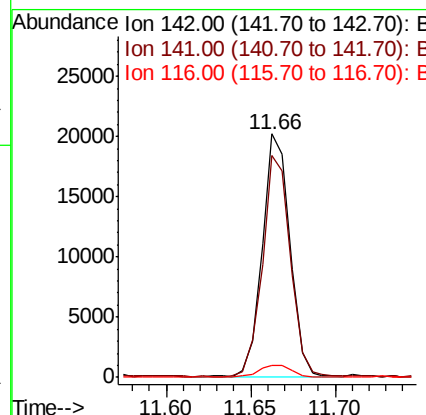
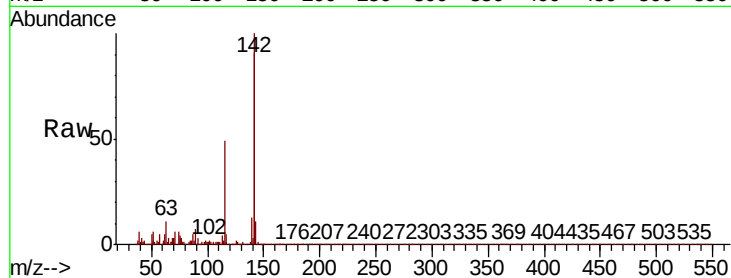




#38
1-Methylnaphthalene
Concen: 2.710 ng
RT: 11.66 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BP001267.D
Acq: 07 Dec 2019 21:33

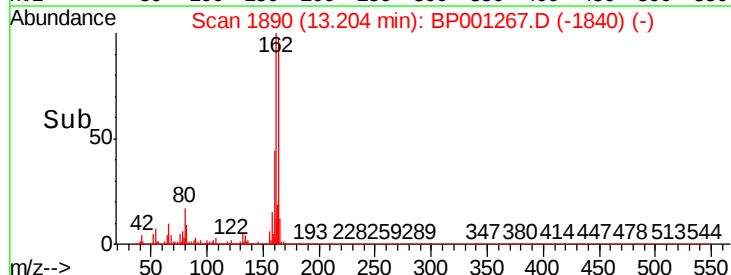
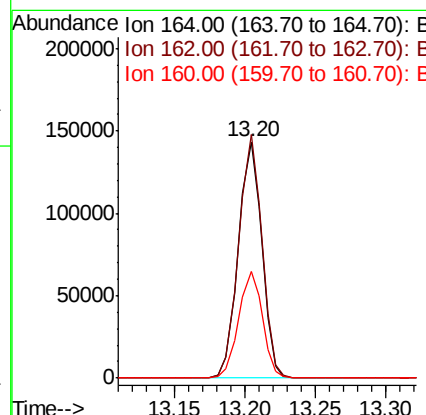
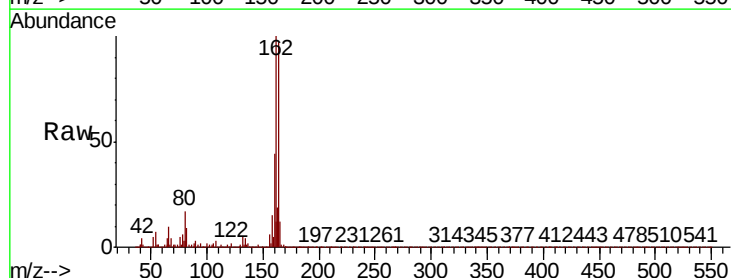
Instrument :
BNA_P
ClientSampled :

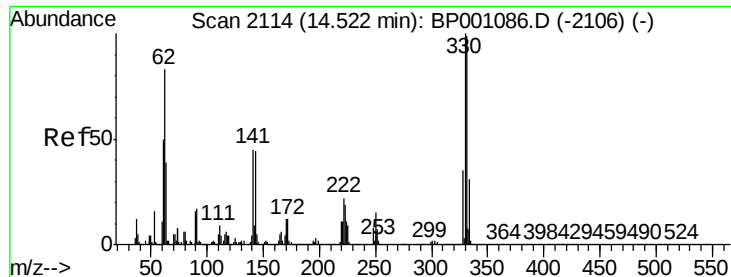
Tot Ion:142 Resp: 22984
Ion Ratio Lower Upper
142 100
141 91.4 72.7 109.1
116 4.9 3.8 5.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.20 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BP001267.D
Acq: 07 Dec 2019 21:33

Tgt Ion:164 Resp: 167025
Ion Ratio Lower Upper
164 100
162 103.1 80.7 121.1
160 44.9 36.3 54.5

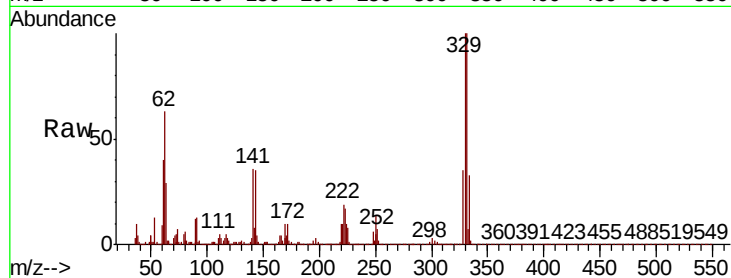




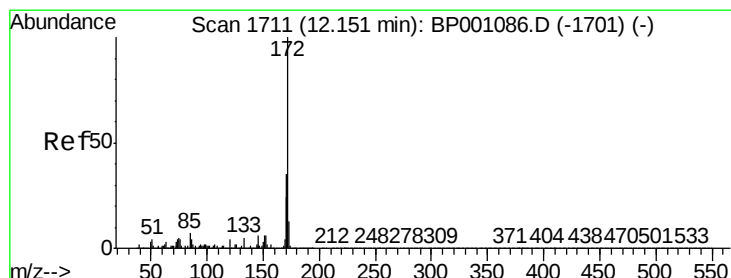
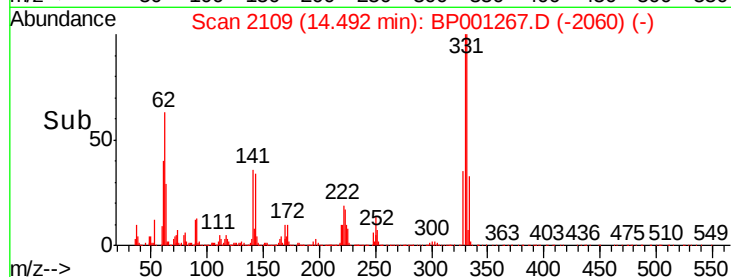
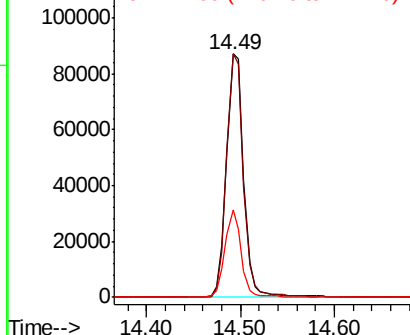
#42
2,4,6-Tribromophenol
Concen: 69.664 ng
RT: 14.49 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BP001267.D
Acq: 07 Dec 2019 21:33

Instrument :
BNA_P
ClientSampled :

Tot Ion:330 Resp: 111527
Ion Ratio Lower Upper
330 100
332 97.9 79.1 118.7
141 33.5 35.9 53.9#

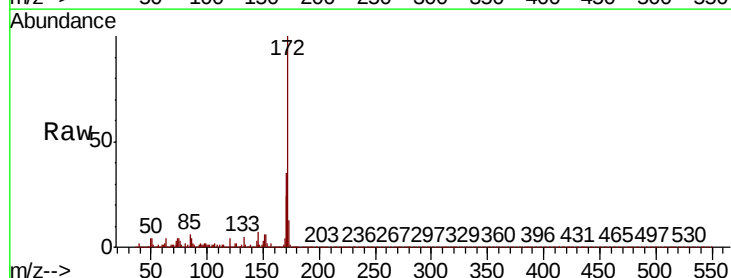


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

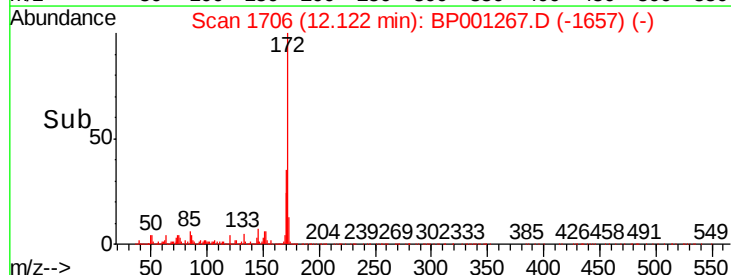
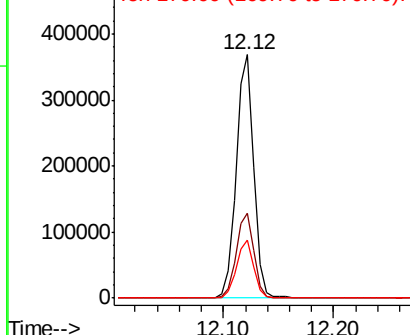


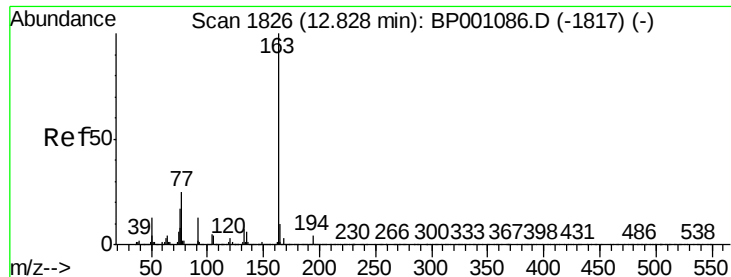
#45
2-Fluorobiphenyl
Concen: 35.858 ng
RT: 12.12 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BP001267.D
Acq: 07 Dec 2019 21:33

Tgt Ion:172 Resp: 409216
Ion Ratio Lower Upper
172 100
171 34.6 28.7 43.1
170 23.6 19.2 28.8



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





#50

Dimethylphthalate

Concen: 2.197 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BP001267.D

Acq: 07 Dec 2019 21:33

Instrument :

BNA_P

ClientSampleId :

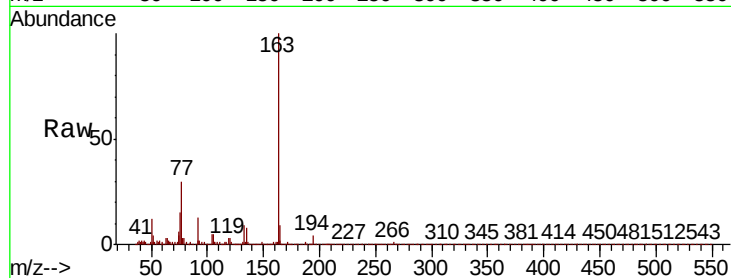
Tot Ion:163 Resp: 27448

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

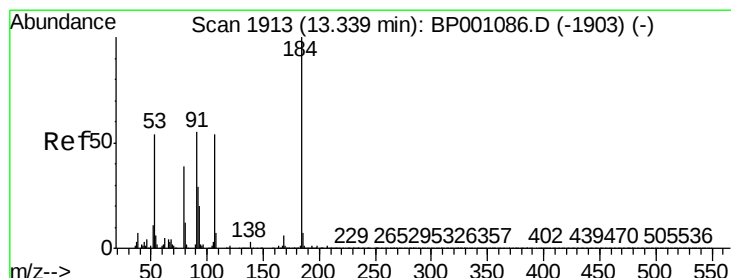
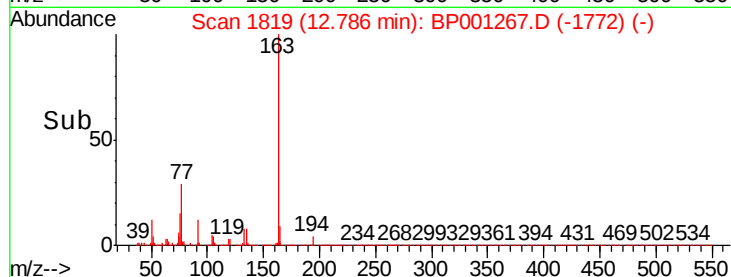
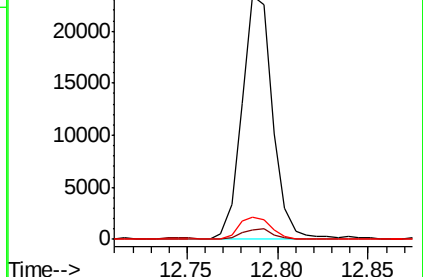
164 9.3 8.2 12.4



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



#54

2,4-Dinitrophenol

Concen: 7.128 ng

RT: 13.31 min Scan# 1908

Delta R.T. -0.01 min

Lab File: BP001267.D

Acq: 07 Dec 2019 21:33

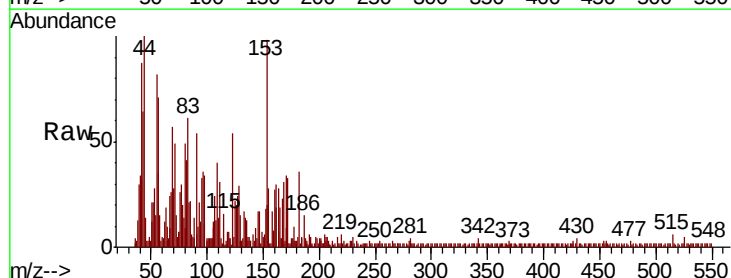
Tgt Ion:184 Resp: 23

Ion Ratio Lower Upper

184 100

63 212.8 69.4 104.0#

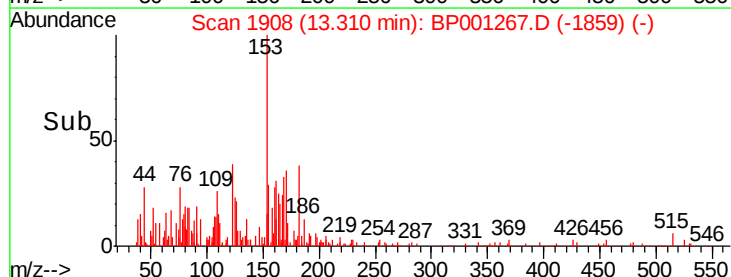
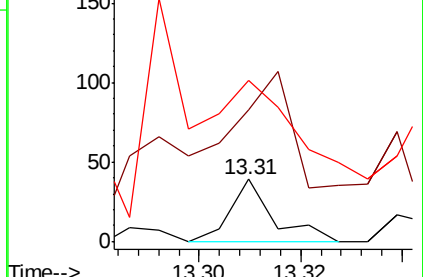
154 259.0 57.4 86.2#

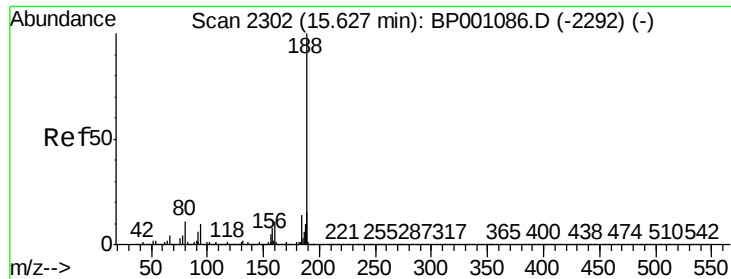


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

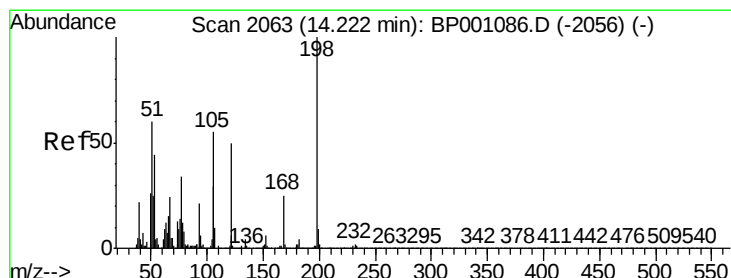
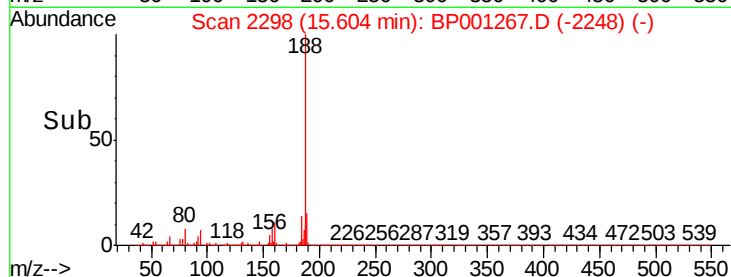
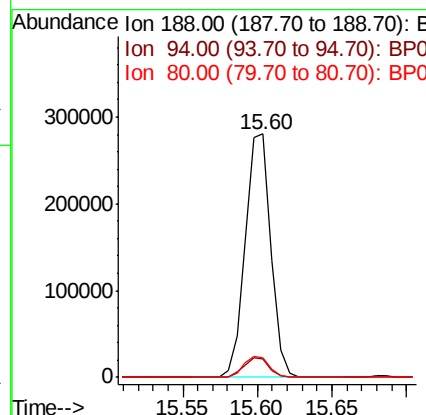
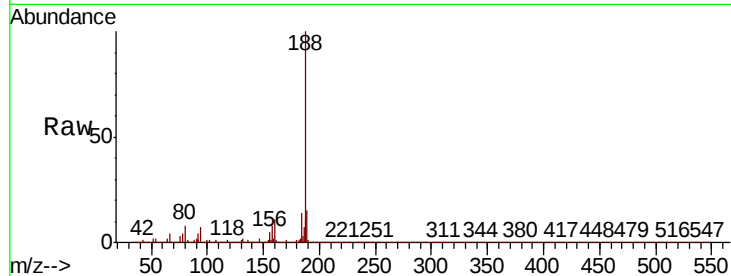




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.01 min
Lab File: BP001267.D
Acq: 07 Dec 2019 21:33

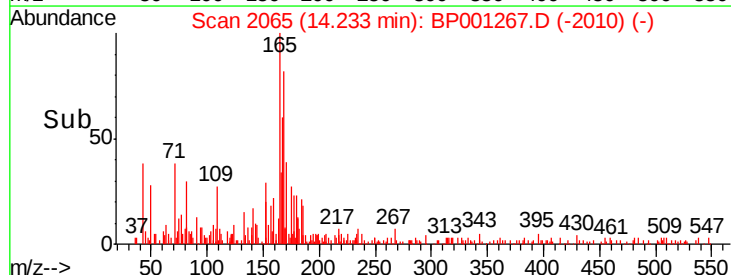
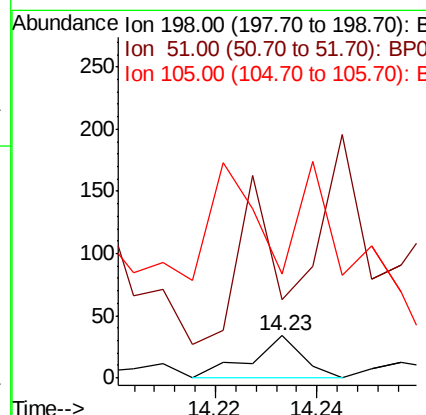
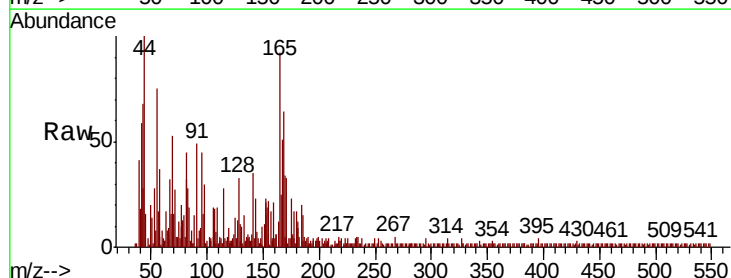
Instrument :
BNA_P
ClientSampleId :

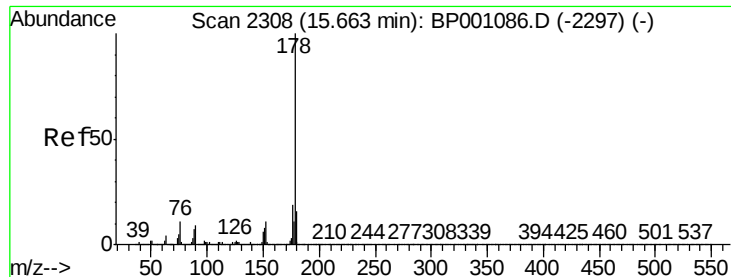
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.4	7.1	10.7
80	7.9	7.8	11.6



#65
4,6-Dinitro-2-methylphenol
Concen: 6.291 ng
RT: 14.23 min Scan# 2065
Delta R.T. 0.02 min
Lab File: BP001267.D
Acq: 07 Dec 2019 21:33

Tgt Ion	Ratio	Lower	Upper
198	100		
51	185.3	36.2	76.2#
105	311.8	30.2	70.2#

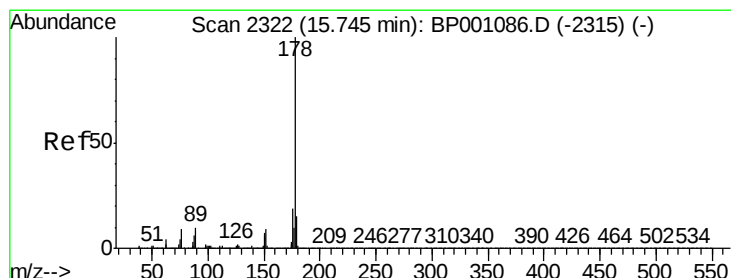
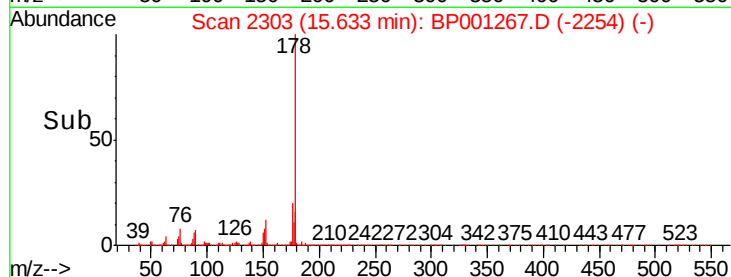
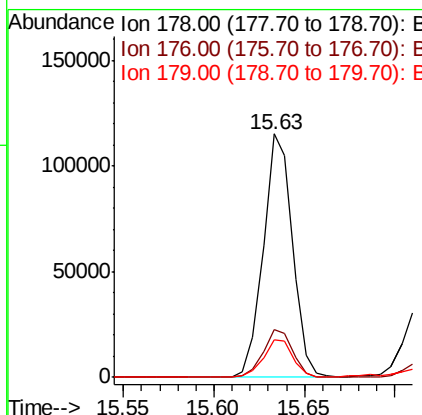
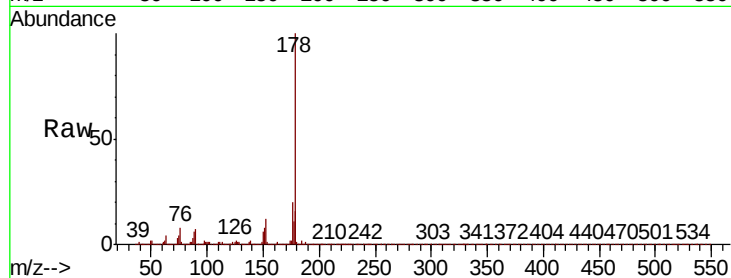




#71
Phenanthrene
Concen: 7.363 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BP001267.D
Acq: 07 Dec 2019 21:33

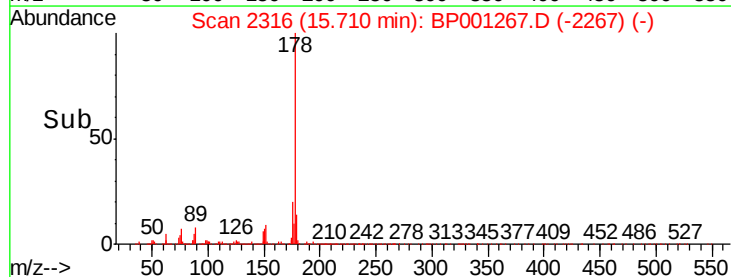
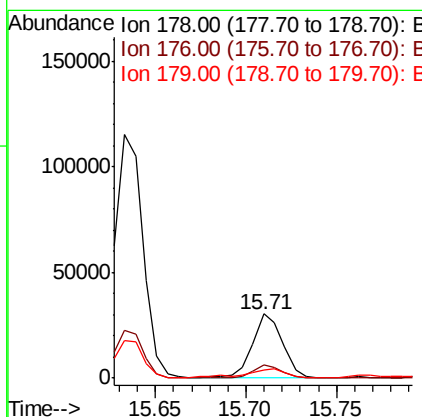
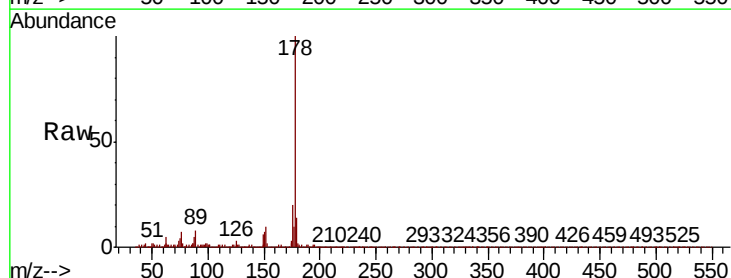
Instrument :
BNA_P
ClientSampleId :

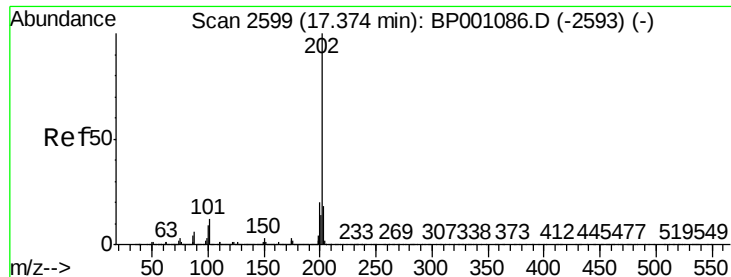
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.7	12.4	18.6



#72
Anthracene
Concen: 2.006 ng
RT: 15.71 min Scan# 2316
Delta R.T. -0.01 min
Lab File: BP001267.D
Acq: 07 Dec 2019 21:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.1	22.7
179	13.7	12.7	19.1





#75

Fluoranthene

Concen: 9.769 ng

RT: 17.34 min Scan# 2594

Delta R.T. -0.01 min

Lab File: BP001267.D

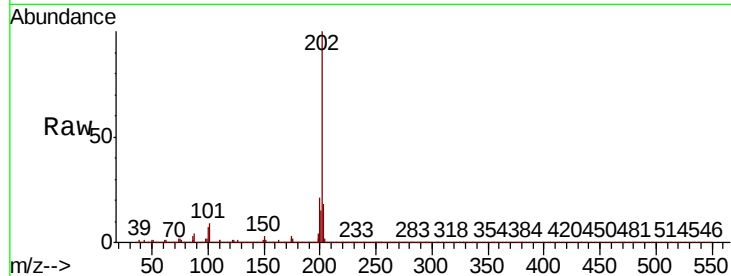
Acq: 07 Dec 2019 21:33

Instrument :

BNA_P

ClientSampleId :

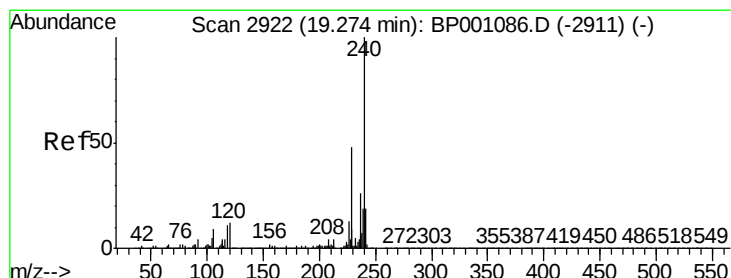
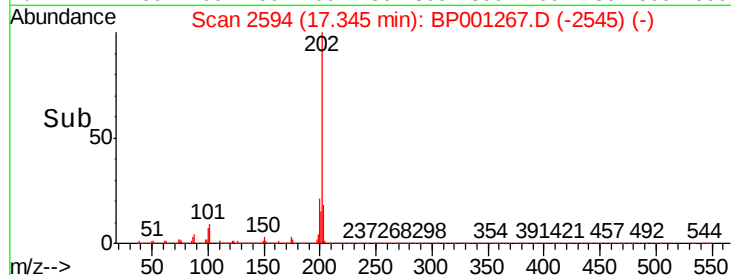
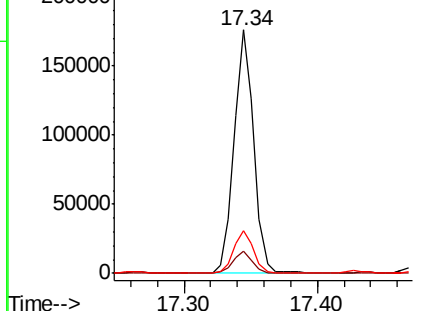
Tot Ion:	202	Resp:	180675
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	30.0
203	17.5	0.0	37.1



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

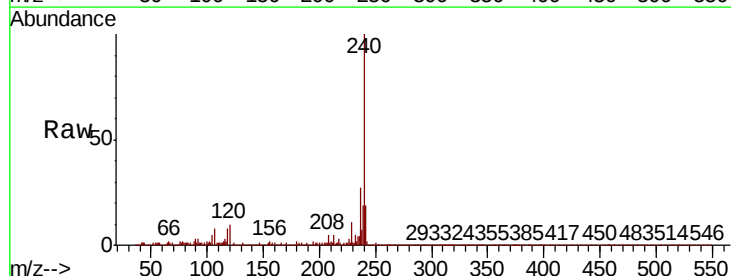
RT: 19.24 min Scan# 2916

Delta R.T. -0.02 min

Lab File: BP001267.D

Acq: 07 Dec 2019 21:33

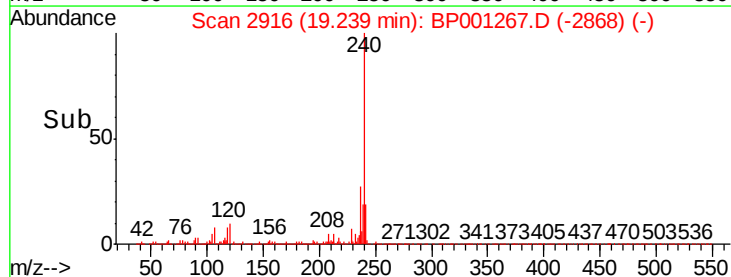
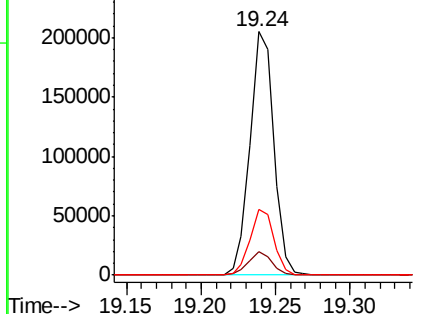
Tgt Ion:	240	Resp:	225341
Ion Ratio	Lower	Upper	
240	100		
120	9.8	7.0	10.6
236	26.9	21.7	32.5

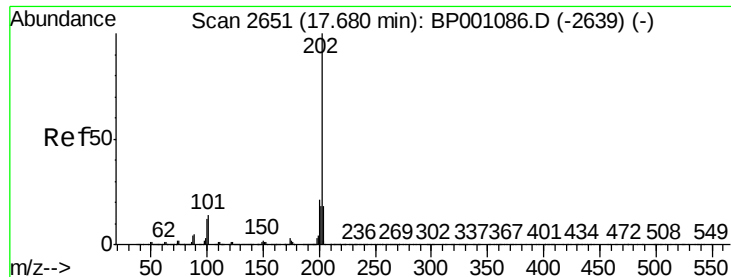


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 9.194 ng

RT: 17.65 min Scan# 2646

Delta R.T. -0.01 min

Lab File: BP001267.D

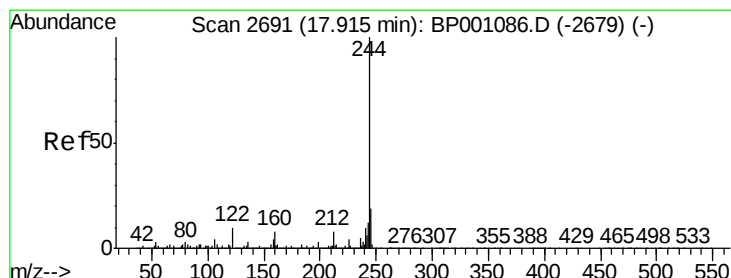
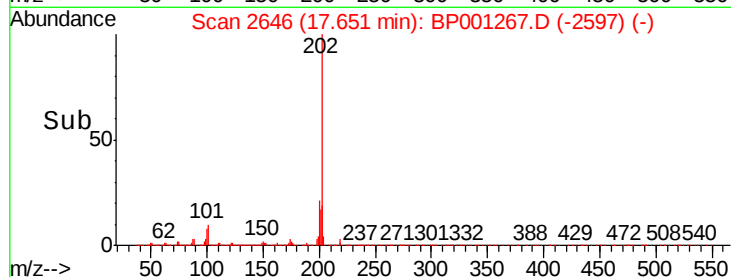
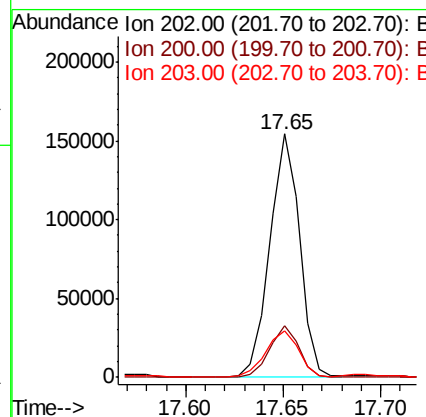
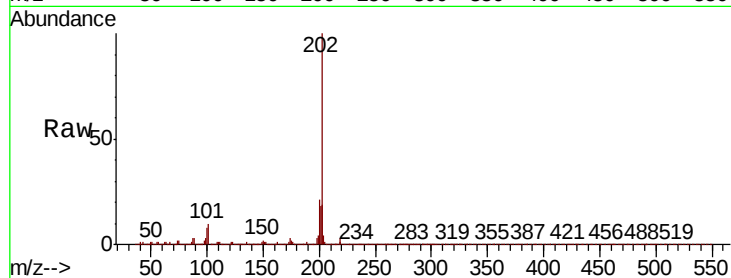
Acq: 07 Dec 2019 21:33

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	163185
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.3	25.9
203	19.2	13.8	20.8



#79

Terphenyl-d14

Concen: 44.677 ng

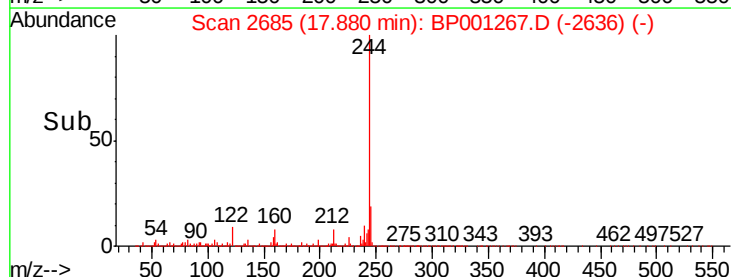
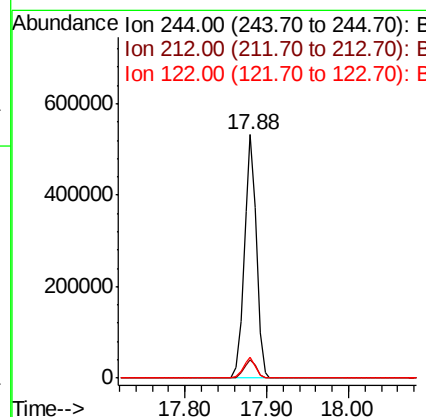
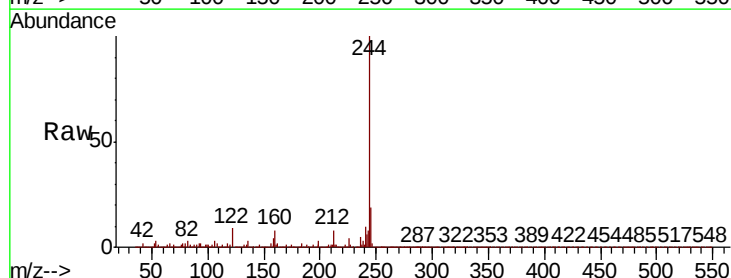
RT: 17.88 min Scan# 2685

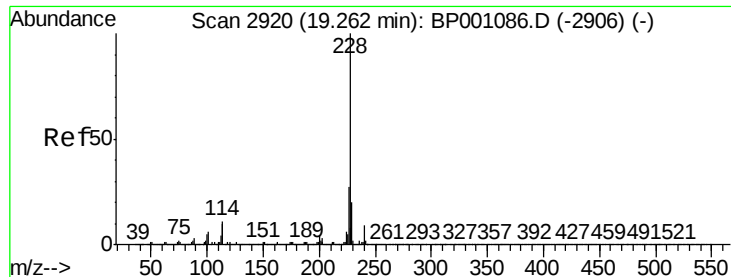
Delta R.T. -0.01 min

Lab File: BP001267.D

Acq: 07 Dec 2019 21:33

Tgt Ion:	244	Resp:	544159
Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.6	9.8
122	8.6	9.2	13.8#





#81

Benzo(a)anthracene

Concen: 3.894 ng

RT: 19.27 min Scan# 2922

Delta R.T. 0.03 min

Lab File: BP001267.D

Acq: 07 Dec 2019 21:33

Instrument :

BNA_P

ClientSampleId :

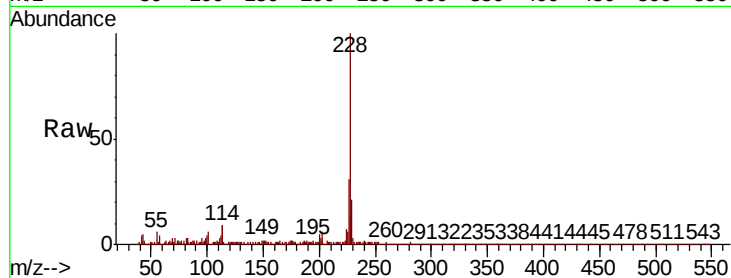
Tot Ion:228 Resp: 60842

Ion Ratio Lower Upper

228 100

226 30.7 21.7 32.5

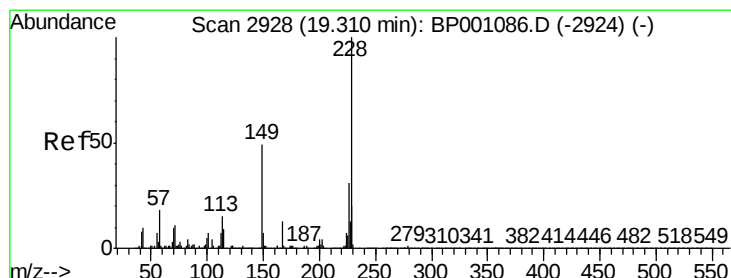
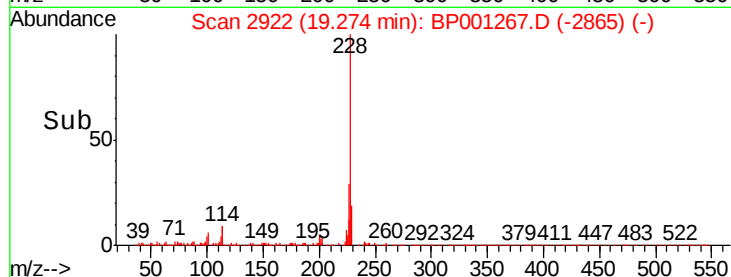
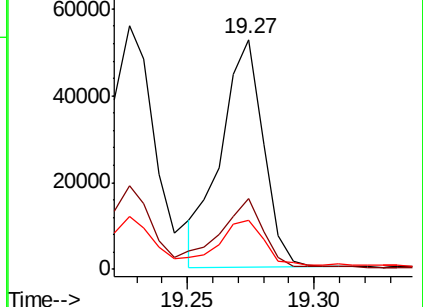
229 21.2 15.8 23.6



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



#83

Chrysene

Concen: 4.349 ng

RT: 19.27 min Scan# 2922

Delta R.T. -0.01 min

Lab File: BP001267.D

Acq: 07 Dec 2019 21:33

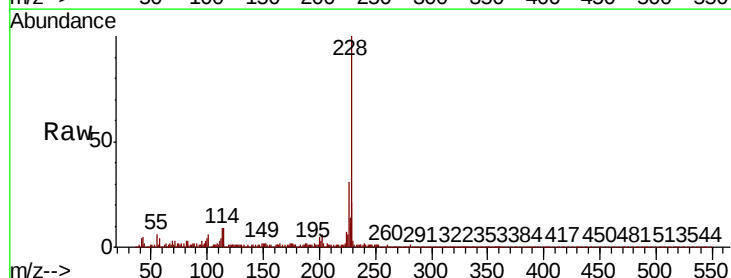
Tgt Ion:228 Resp: 60842

Ion Ratio Lower Upper

228 100

226 30.7 23.7 35.5

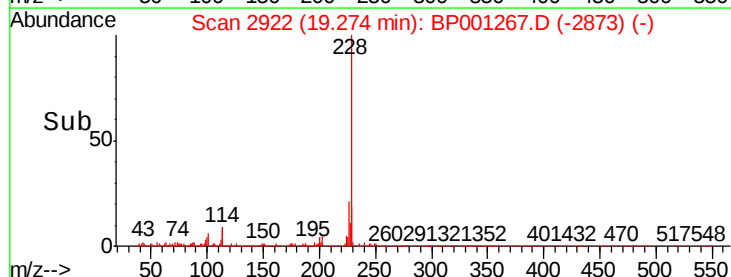
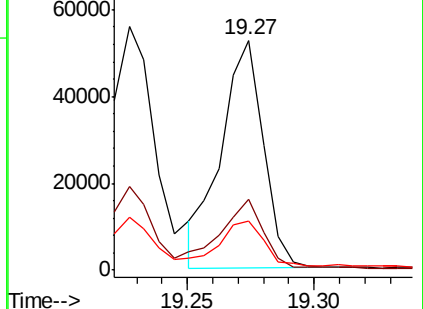
229 21.2 15.2 22.8

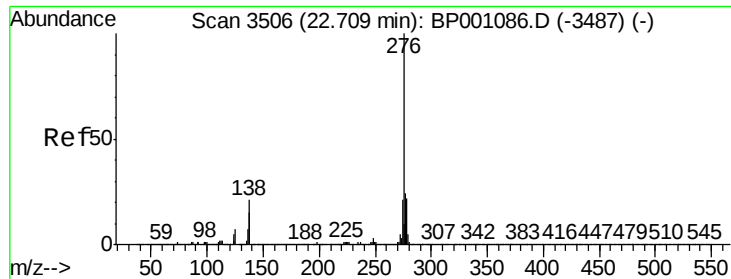


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.468 ng

RT: 22.64 min Scan# 3495

Delta R.T. -0.03 min

Lab File: BP001267.D

Acq: 07 Dec 2019 21:33

Instrument :

BNA_P

ClientSampleId :

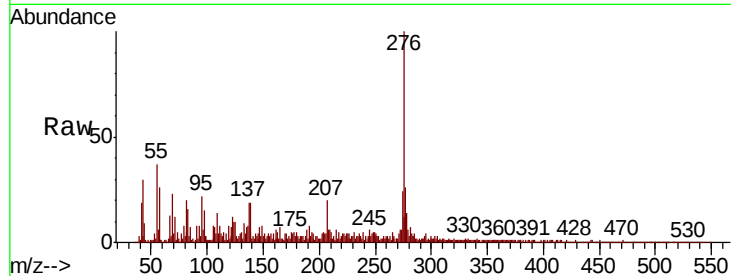
Tot Ion:276 Resp: 40699

Ion Ratio Lower Upper

276 100

138 20.9 17.9 26.9

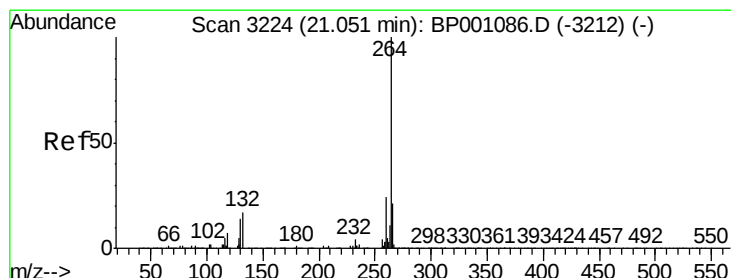
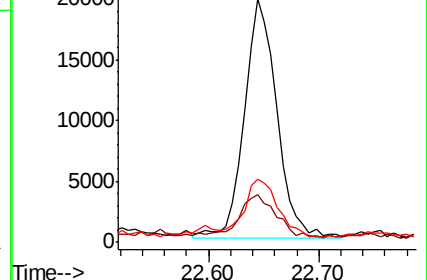
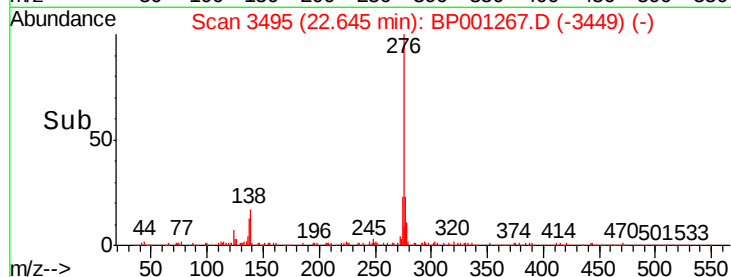
277 25.8 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 21.02 min Scan# 3218

Delta R.T. -0.01 min

Lab File: BP001267.D

Acq: 07 Dec 2019 21:33

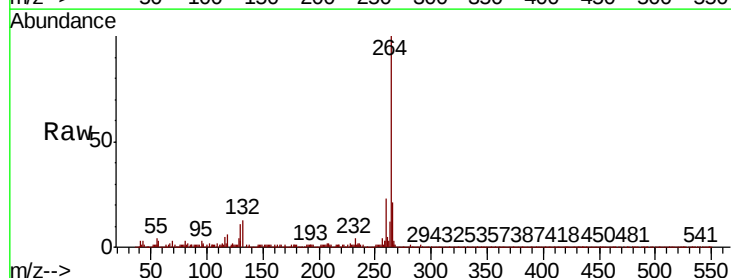
Tgt Ion:264 Resp: 251527

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.0

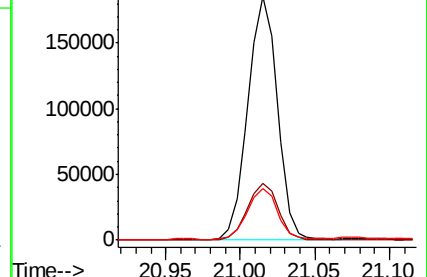
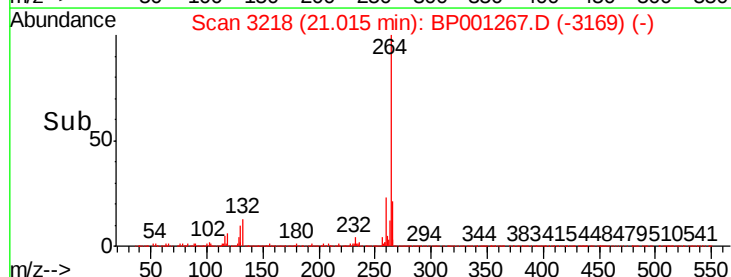
265 21.2 17.1 25.7

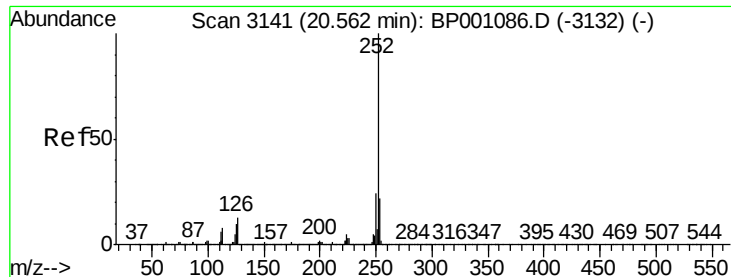


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

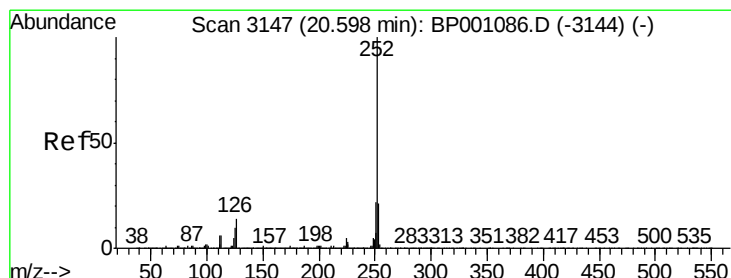
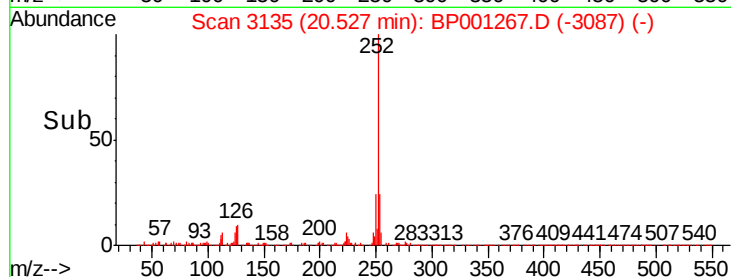
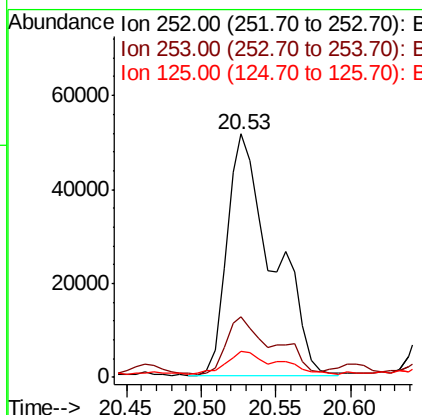
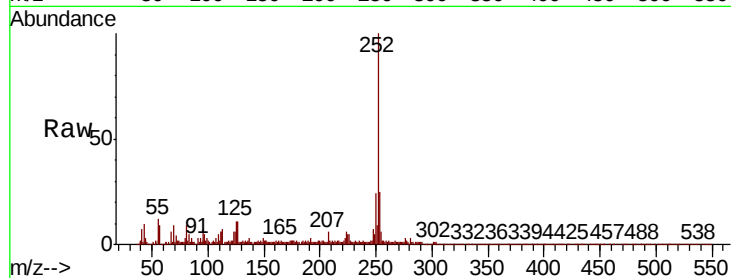




#88
Benzo(b)fluoranthene
Concen: 7.139 ng
RT: 20.53 min Scan# 3135
Delta R.T. -0.02 min
Lab File: BP001267.D
Acq: 07 Dec 2019 21:33

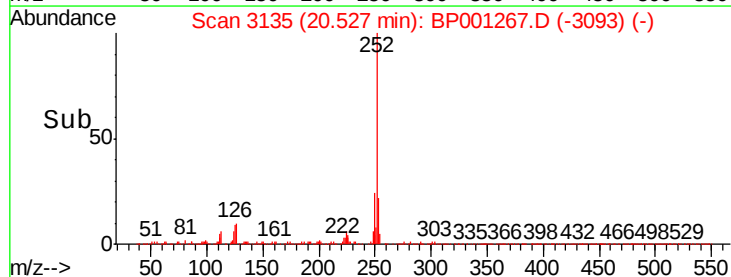
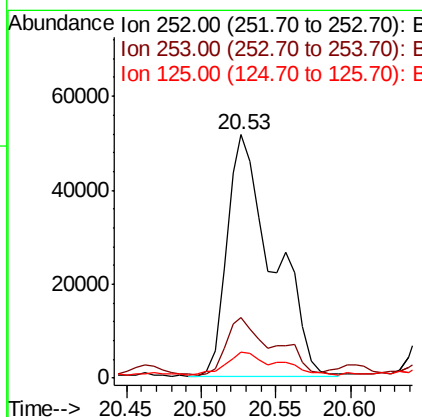
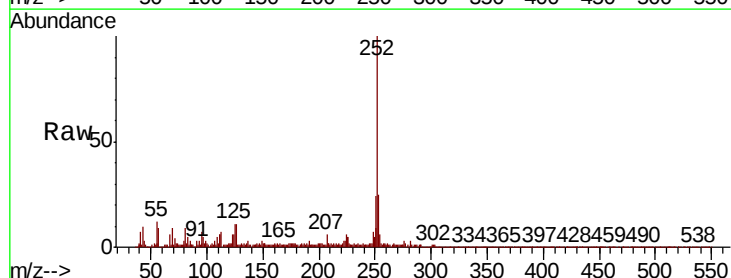
Instrument :
BNA_P
ClientSampleId :

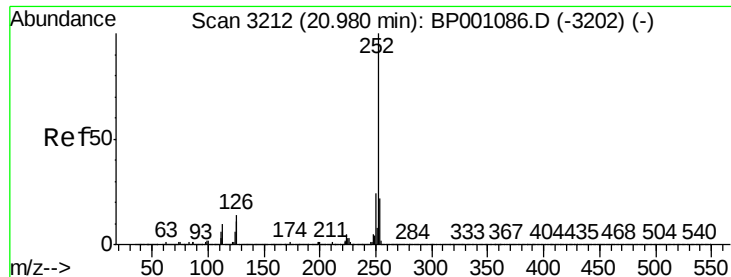
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	10.7	6.6	9.8#



#89
Benzo(k)fluoranthene
Concen: 7.412 ng
RT: 20.53 min Scan# 3135
Delta R.T. -0.05 min
Lab File: BP001267.D
Acq: 07 Dec 2019 21:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	10.7	6.2	9.4#





#90

Benzo(a)pyrene

Concen: 4.451 ng

RT: 20.94 min Scan# 3205

Delta R.T. -0.02 min

Lab File: BP001267.D

Acq: 07 Dec 2019 21:33

Instrument :

BNA_P

ClientSampleId :

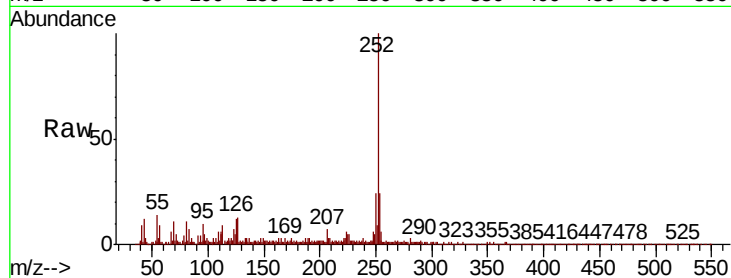
Tot Ion:252 Resp: 62989

Ion Ratio Lower Upper

252 100

253 24.3 16.8 25.2

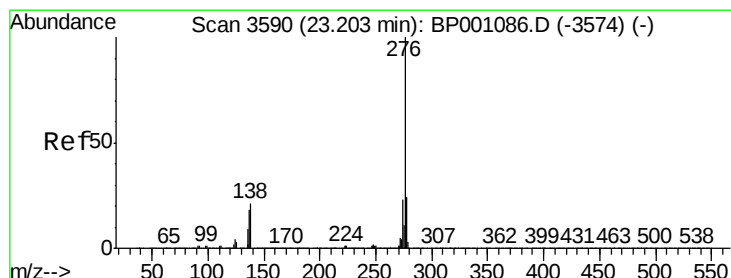
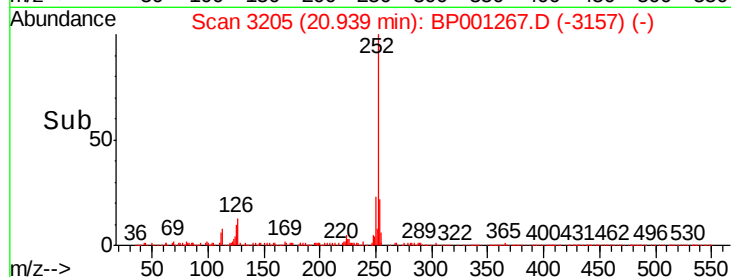
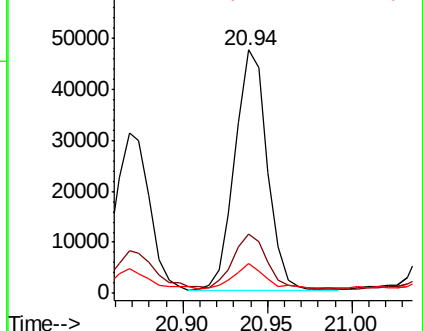
125 12.3 7.8 11.6#



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

Benzo(g,h,i)perylene

Concen: 2.875 ng

RT: 23.13 min Scan# 3578

Delta R.T. -0.04 min

Lab File: BP001267.D

Acq: 07 Dec 2019 21:33

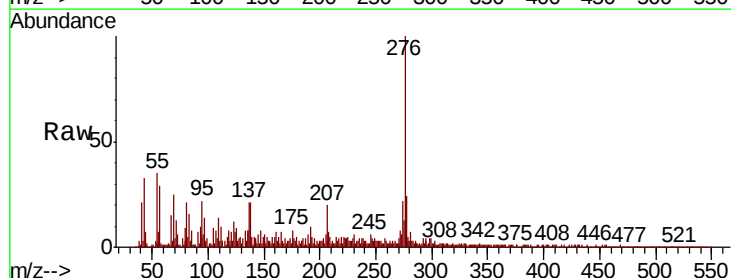
Tgt Ion:276 Resp: 39320

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 20.6 15.6 23.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

