

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012720\
 Data File : BP001697.D
 Acq On : 27 Jan 2020 18:38
 Operator : CG/JU
 Sample : L1242-13RX
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jan 28 03:25:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 24 22:23:46 2020
 Response via : Initial Calibration

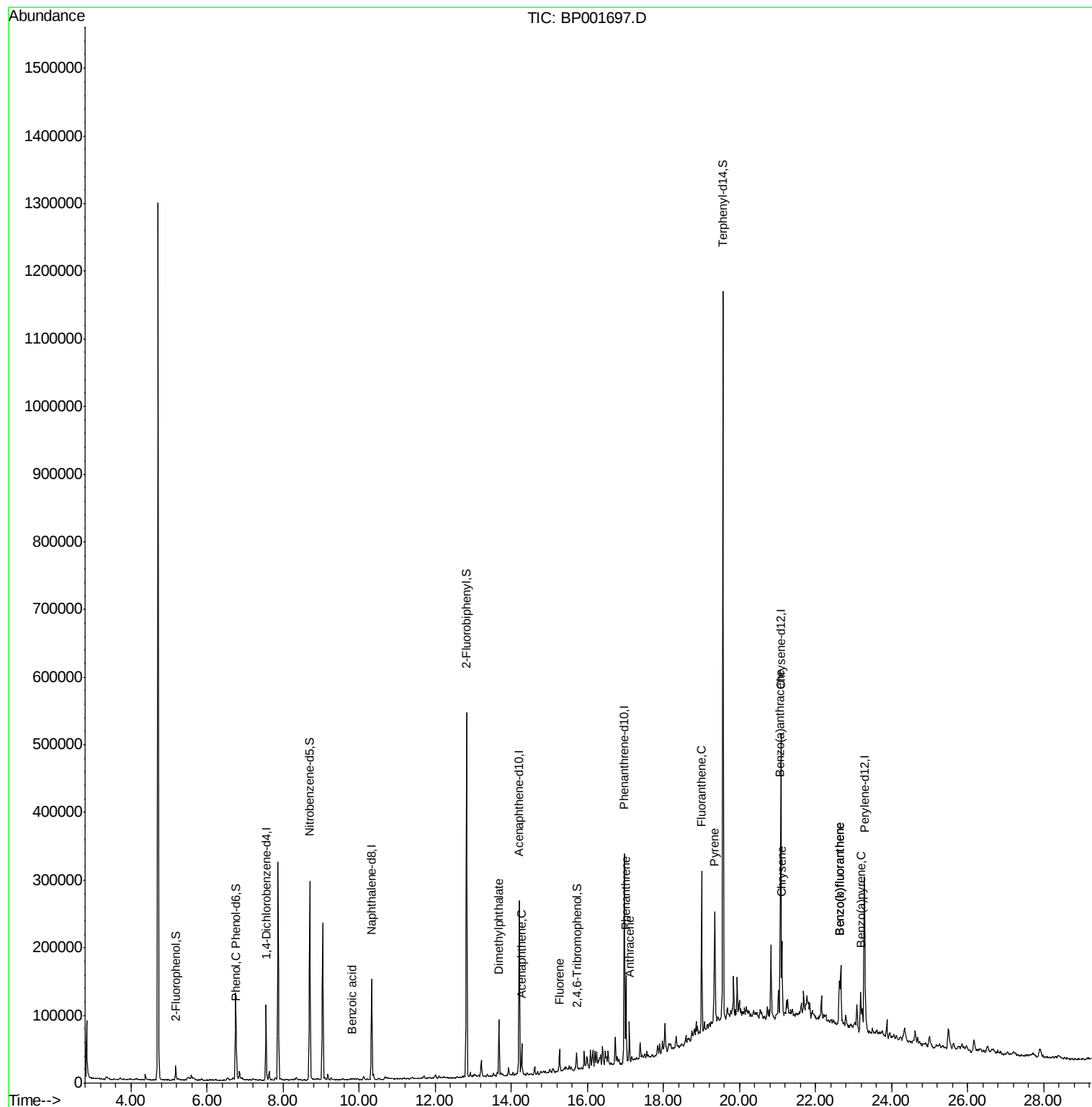
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	22536	20.00	ng	-0.01
21) Naphthalene-d8	10.33	136	102758	20.00	ng	-0.01
39) Acenaphthene-d10	14.21	164	74834	20.00	ng	-0.01
64) Phenanthrene-d10	16.97	188	173415	20.00	ng	-0.01
76) Chrysene-d12	21.09	240	165853	20.00	ng	0.00
87) Perylene-d12	23.29	264	186095	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	7003	6.09	ng	0.00
7) Phenol-d6	6.75	99	56653	30.81	ng	-0.01
23) Nitrobenzene-d5	8.70	82	141587	60.21	ng	-0.01
42) 2,4,6-Tribromophenol	15.72	330	3269	2.87	ng	-0.01
45) 2-Fluorobiphenyl	12.82	172	247356	48.60	ng	-0.02
79) Terphenyl-d14	19.57	244	450054	49.63	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.78	94	10260	5.394	ng	92
32) Benzoic acid	9.82	122	15	4.714	ng	87
50) Dimethylphthalate	13.67	163	44642	7.243	ng	100
52) Acenaphthene	14.27	154	14731	3.460	ng	94
58) Fluorene	15.27	166	12400	2.129	ng	98
71) Phenanthrene	17.02	178	69574	7.377	ng	98
72) Anthracene	17.10	178	29274	3.189	ng	98
75) Fluoranthene	19.00	202	125112	10.082	ng	99
78) Pyrene	19.36	202	100464	8.246	ng	99
81) Benzo(a)anthracene	21.07	228	59884	5.184	ng	100
83) Chrysene	21.12	228	57205	5.082	ng	97
88) Benzo(b)fluoranthene	22.63	252	53110	4.529	ng	# 97
89) Benzo(k)fluoranthene	22.63	252	53110	4.645	ng	# 98
90) Benzo(a)pyrene	23.19	252	38887	3.493	ng	# 97

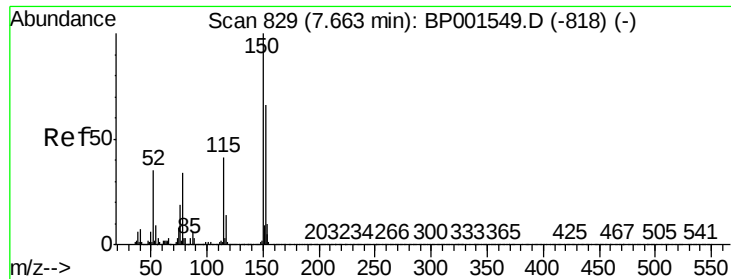
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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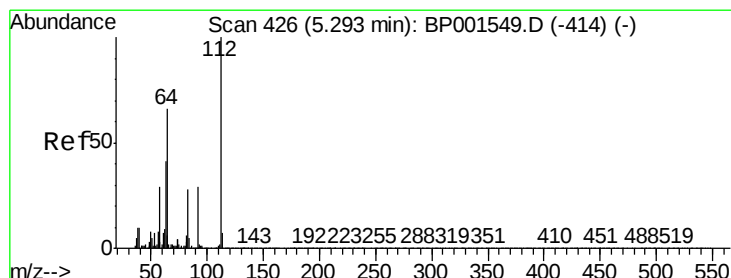
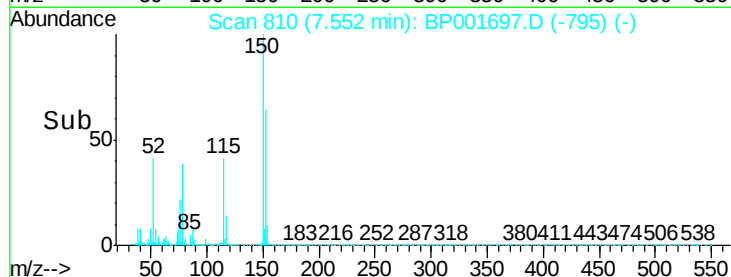
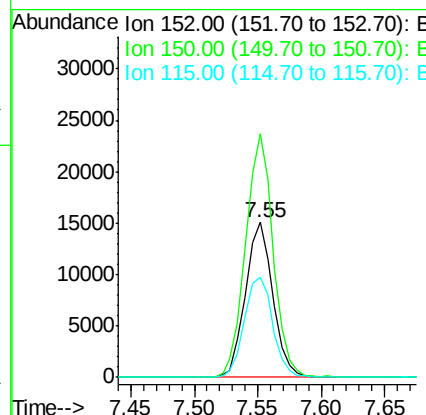
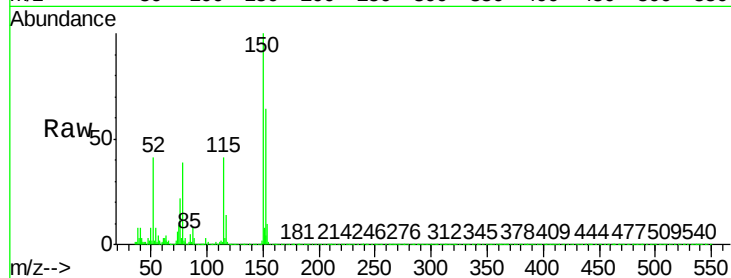


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 810
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

Instrument :
BNA_P
ClientSampleId :

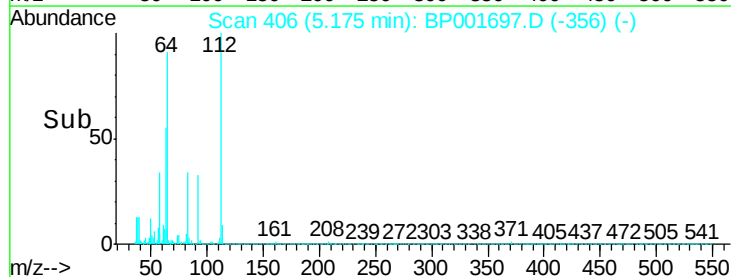
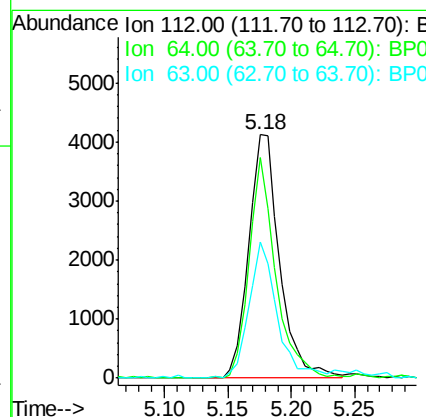
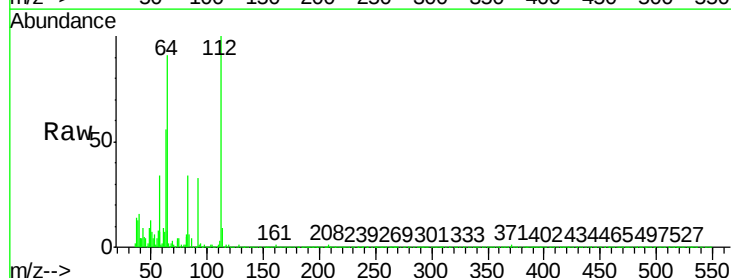
Tot Ion	152	Resp	22536
Ion	Ratio	Lower	Upper
152	100		
150	157.3	122.0	183.0
115	64.8	50.7	76.1

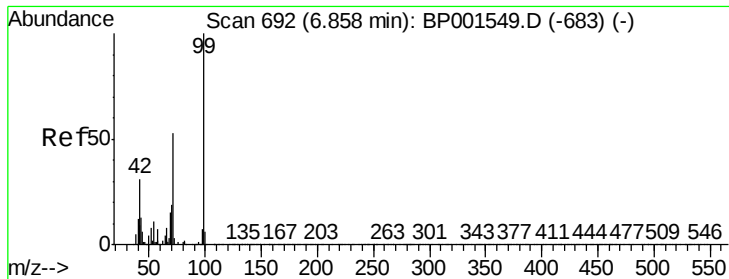


#5

2-Fluorophenol
Concen: 6.087 ng
RT: 5.18 min Scan# 406
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

Tgt Ion	112	Resp	7003
Ion	Ratio	Lower	Upper
112	100		
64	90.5	52.8	79.2#
63	55.8	33.1	49.7#





#7

Phenol-d6

Concen: 30.813 ng

RT: 6.75 min Scan# 674

Delta R.T. -0.01 min

Lab File: BP001697.D

Acq: 27 Jan 2020 18:38

Instrument :

BNA_P

ClientSampleId :

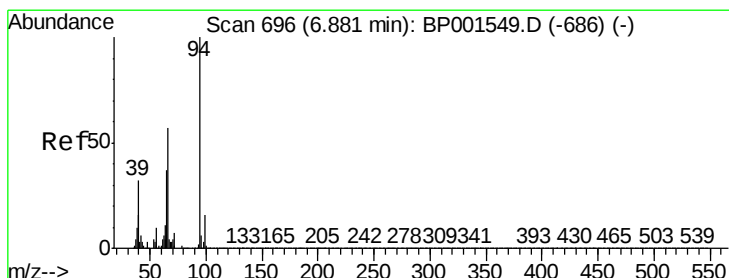
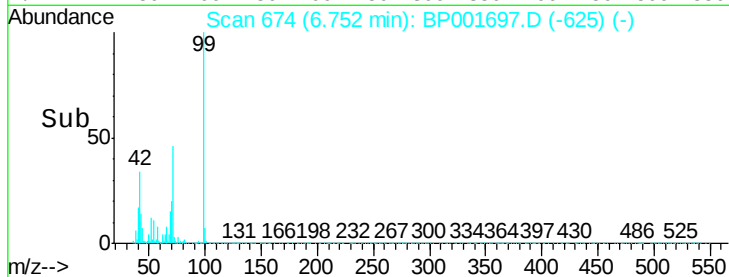
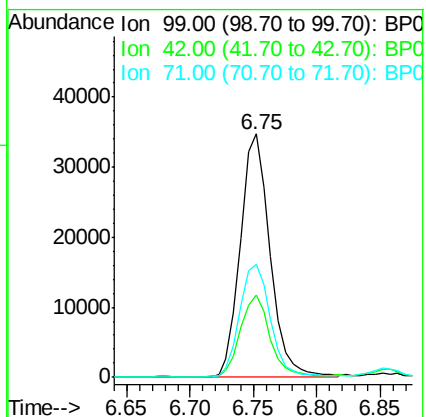
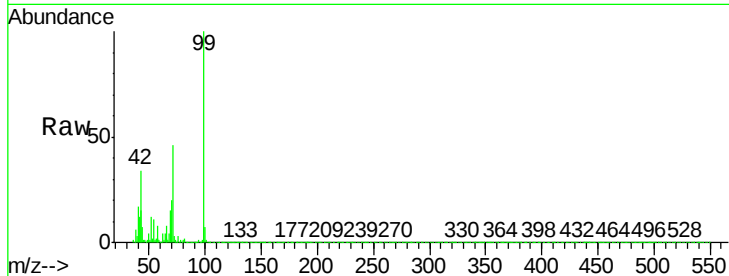
Tot Ion: 99 Resp: 56653

Ion Ratio Lower Upper

99 100

42 34.0 24.5 36.7

71 46.4 42.4 63.6



#10

Phenol

Concen: 5.394 ng

RT: 6.78 min Scan# 678

Delta R.T. -0.01 min

Lab File: BP001697.D

Acq: 27 Jan 2020 18:38

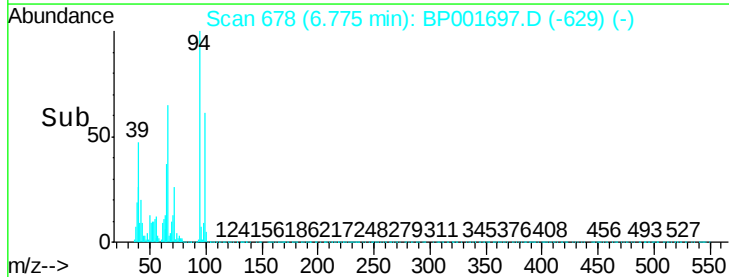
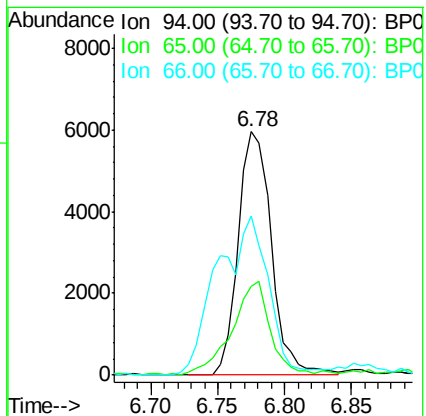
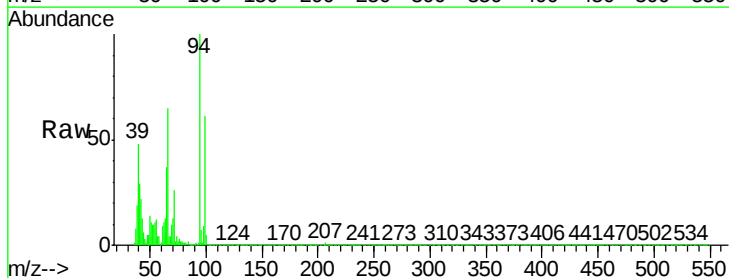
Tgt Ion: 94 Resp: 10260

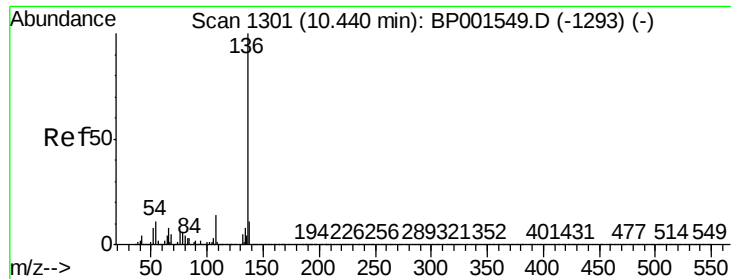
Ion Ratio Lower Upper

94 100

65 36.6 17.5 57.5

66 65.3 36.7 76.7

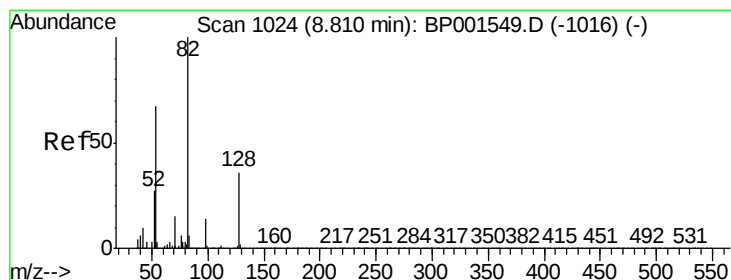
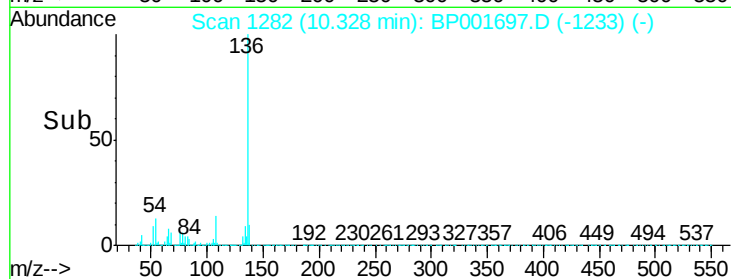
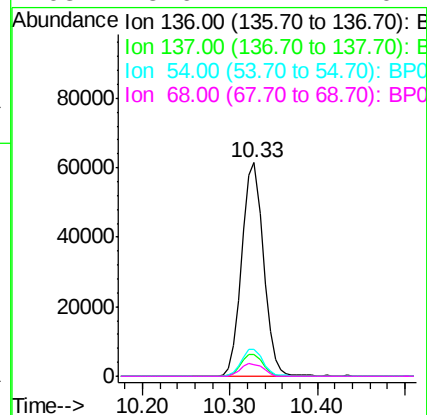
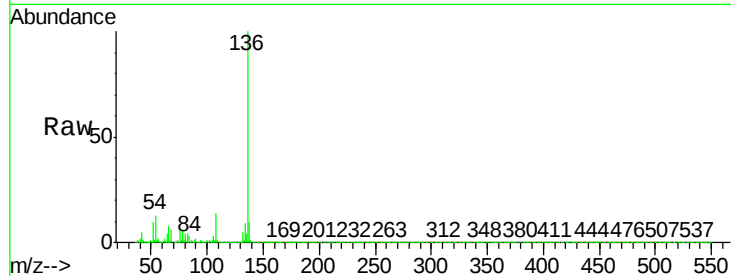




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.33 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

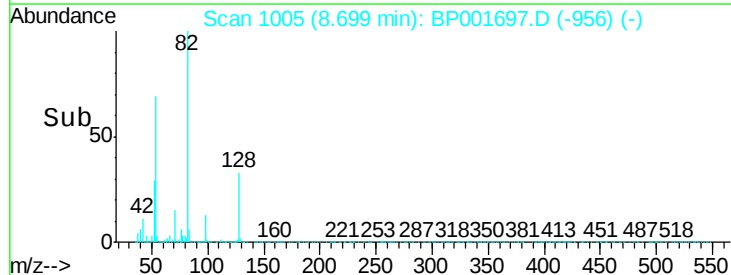
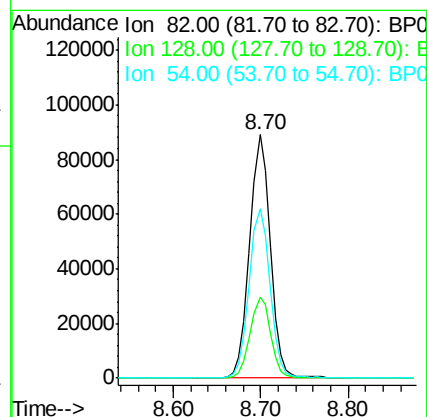
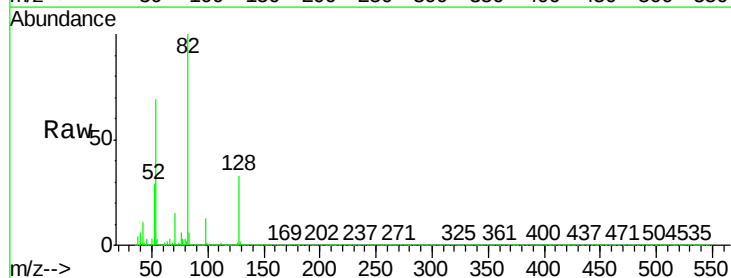
Instrument :
BNA_P
ClientSampleId :

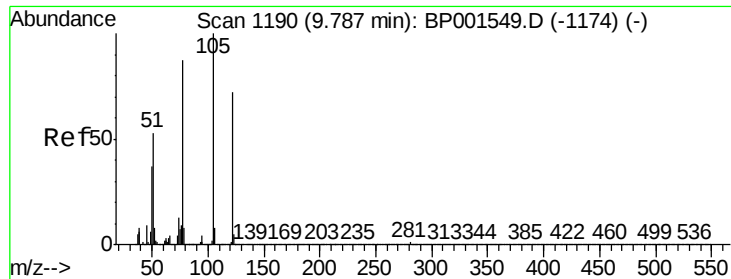
Tot Ion:136	Resp:	102758	
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	12.8
54	12.5	9.2	13.8
68	5.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 60.209 ng
RT: 8.70 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

Tgt Ion: 82	Resp: 141587
Ion Ratio	Lower Upper
82 100	
128 33.2	28.4 42.6
54 69.3	53.4 80.2

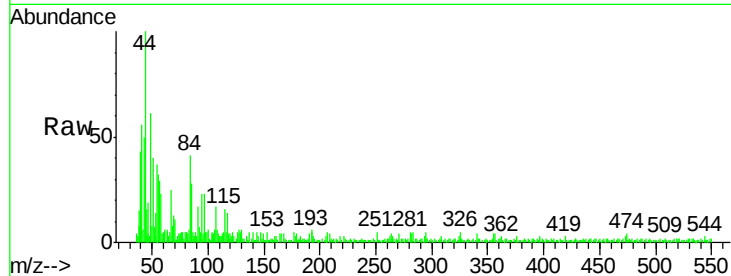




#32
Benzoic acid
Concen: 4.714 ng
RT: 9.82 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	126.3	119.5	159.5
77	105.3	102.8	142.8

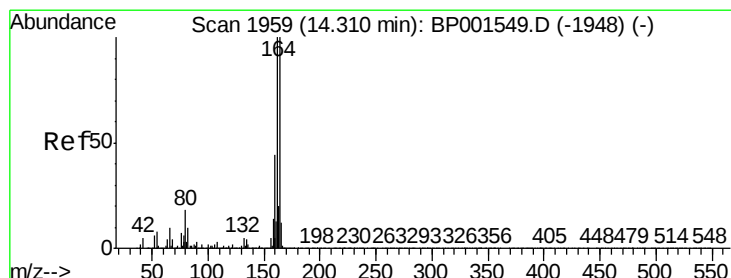
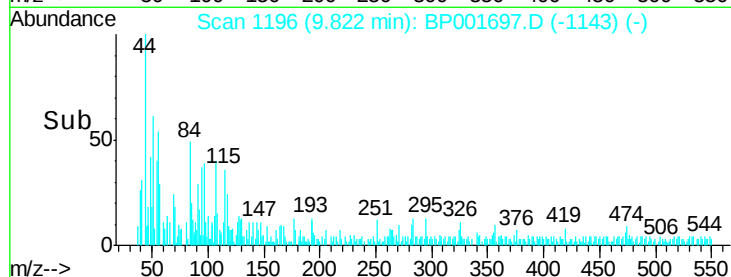
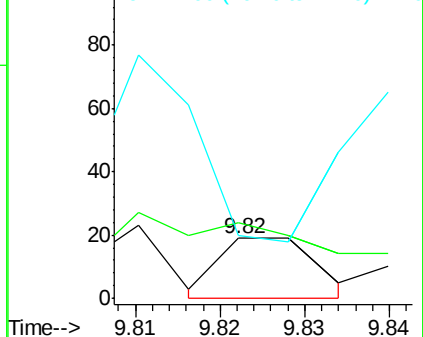


Abundance

Ion 122.00 (121.70 to 122.70): E

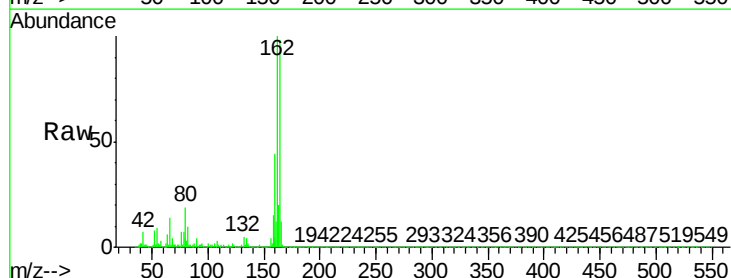
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BP0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.21 min Scan# 1942
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	79.8	119.6
160	45.1	35.0	52.6

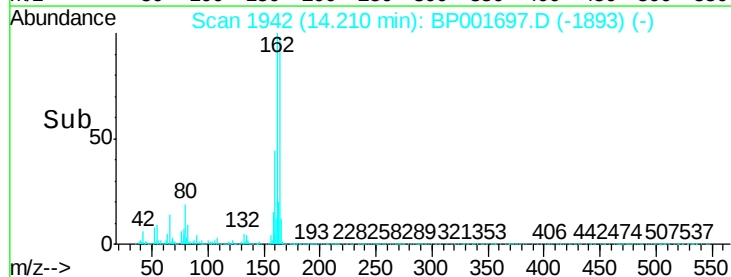
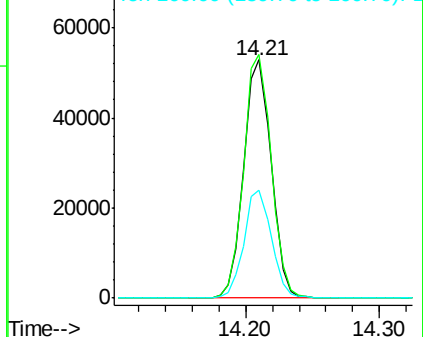


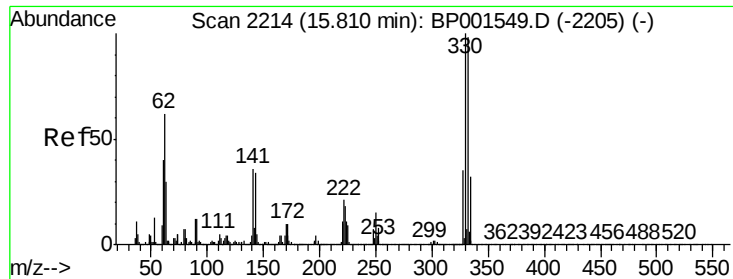
Abundance

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

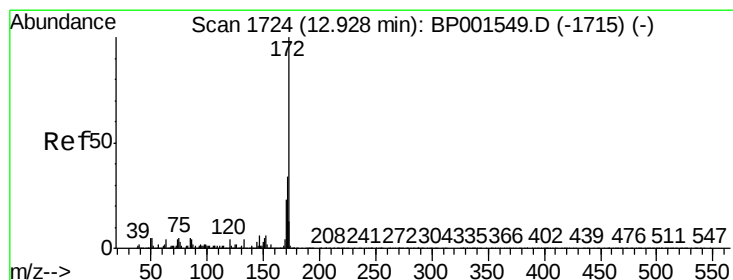
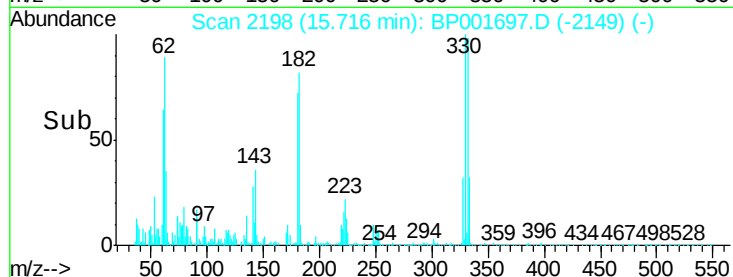
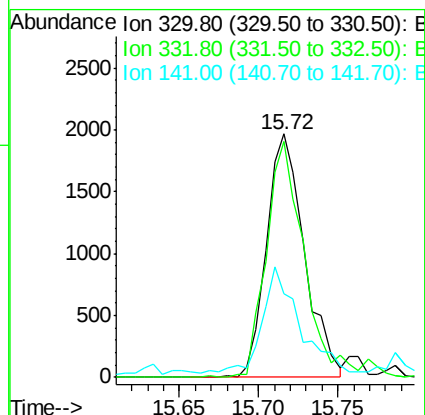
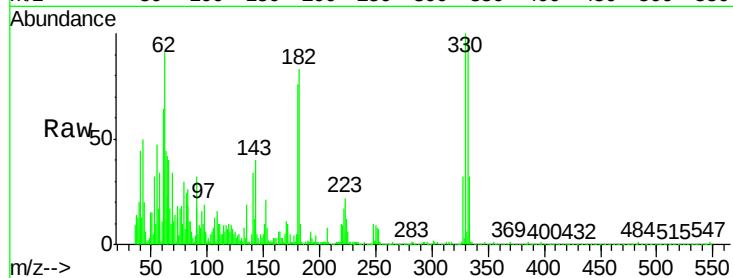




#42
2,4,6-Tribromophenol
Concen: 2.870 ng
RT: 15.72 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

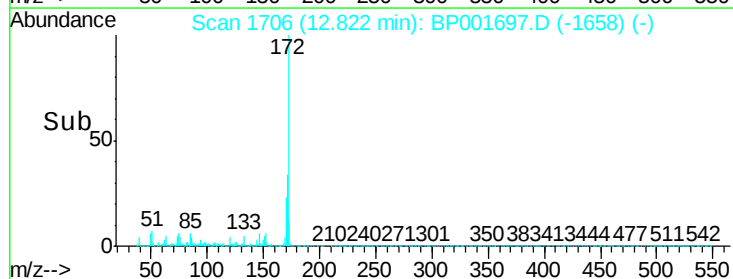
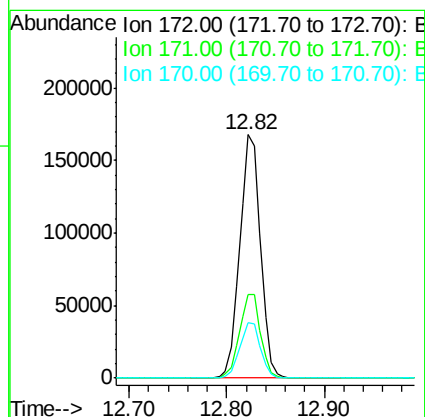
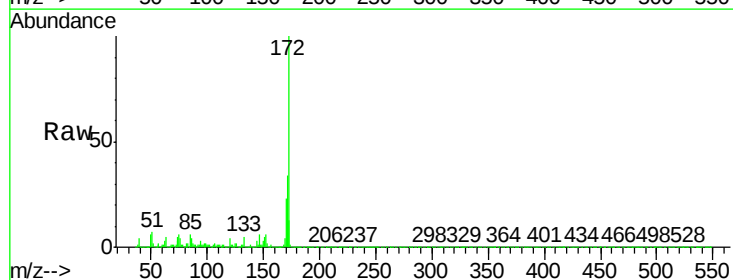
Instrument :
BNA_P
ClientSampled :

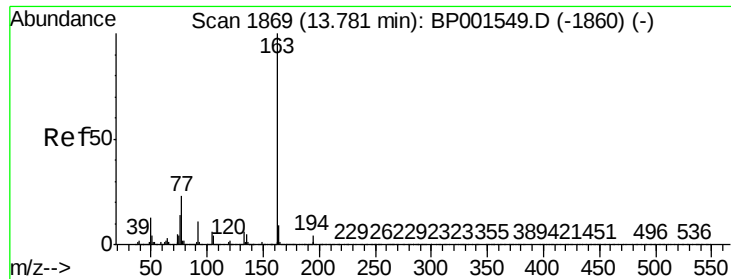
Tot Ion:330 Resp: 3269
Ion Ratio Lower Upper
330 100
332 96.5 77.8 116.6
141 43.1 28.7 43.1#



#45
2-Fluorobiphenyl
Concen: 48.598 ng
RT: 12.82 min Scan# 1706
Delta R.T. -0.02 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

Tgt Ion:172 Resp: 247356
Ion Ratio Lower Upper
172 100
171 34.3 27.6 41.4
170 23.0 18.3 27.5

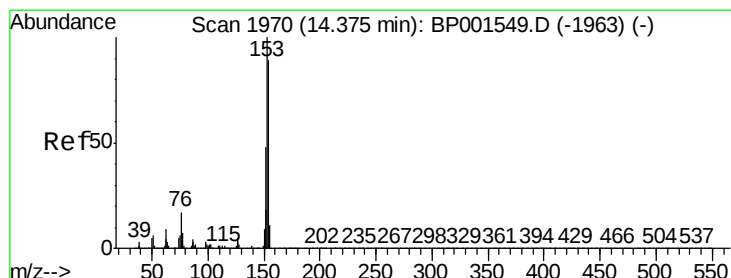
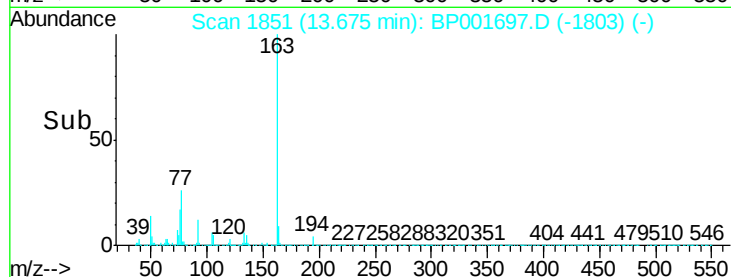
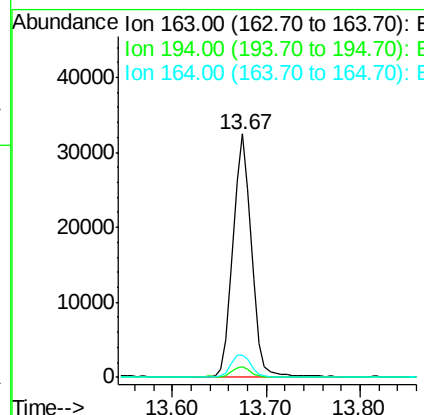
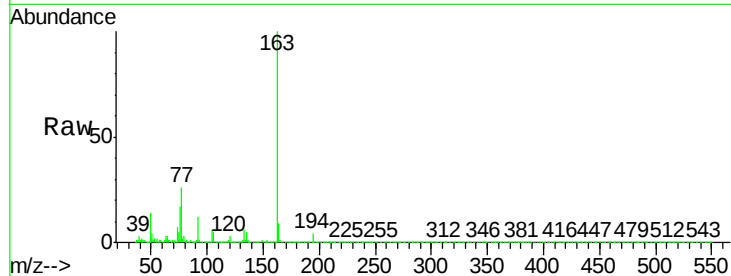




#50
Dimethylphthalate
Concen: 7.243 ng
RT: 13.67 min Scan# 1851
Delta R.T. -0.02 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

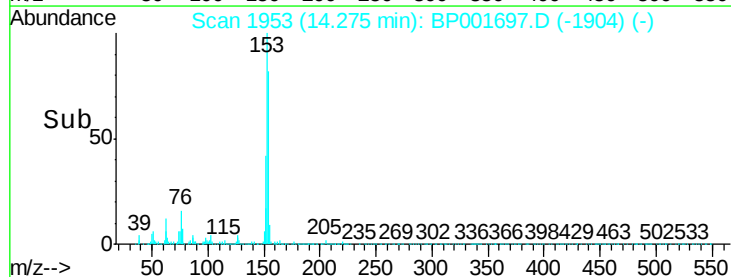
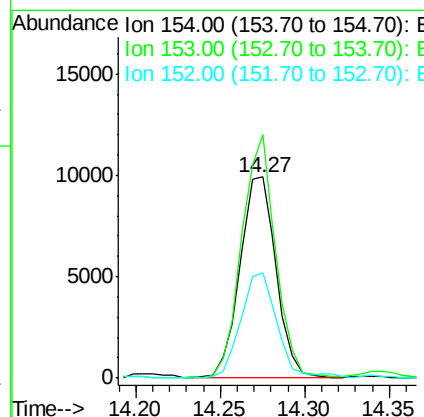
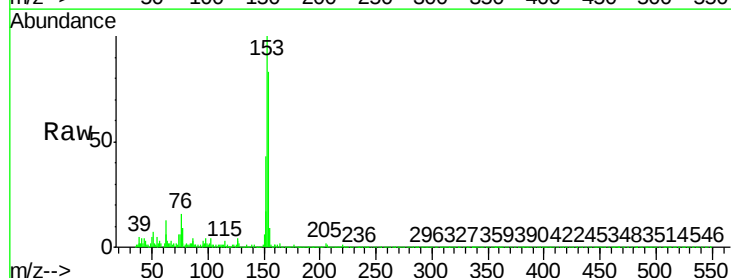
Instrument :
BNA_P
ClientSampleId :

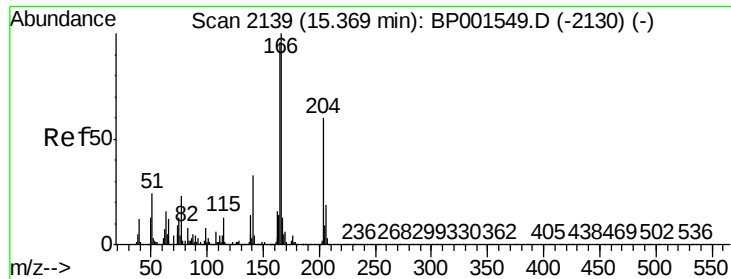
Tot Ion:163 Resp: 44642
Ion Ratio Lower Upper
163 100
194 4.1 3.6 5.4
164 9.3 7.5 11.3



#52
Acenaphthene
Concen: 3.460 ng
RT: 14.27 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

Tgt Ion:154 Resp: 14731
Ion Ratio Lower Upper
154 100
153 121.2 89.4 134.2
152 52.4 42.6 64.0

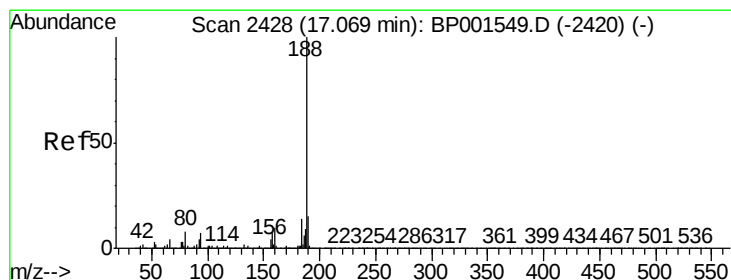
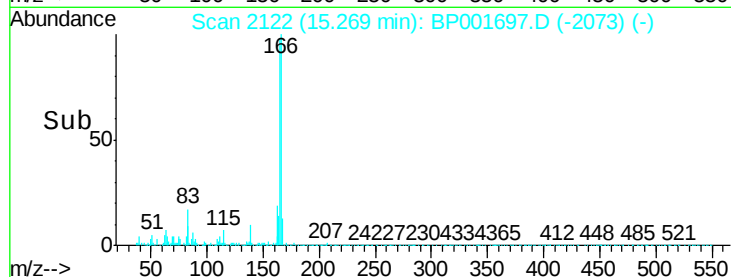
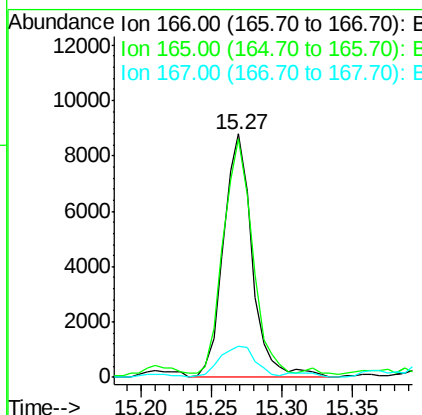
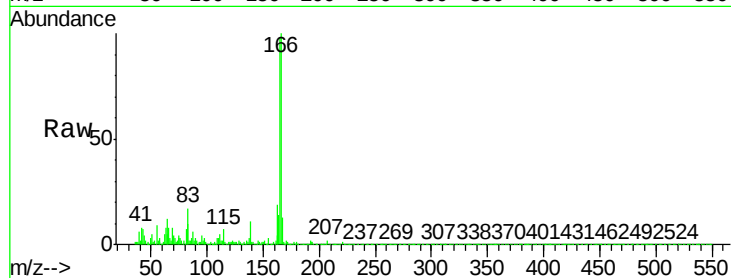




#58
 Fluorene
 Concen: 2.129 ng
 RT: 15.27 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BP001697.D
 Acq: 27 Jan 2020 18:38

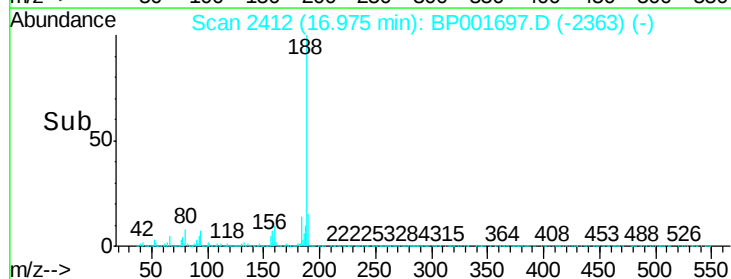
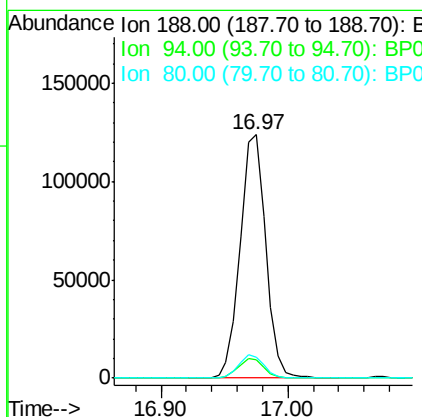
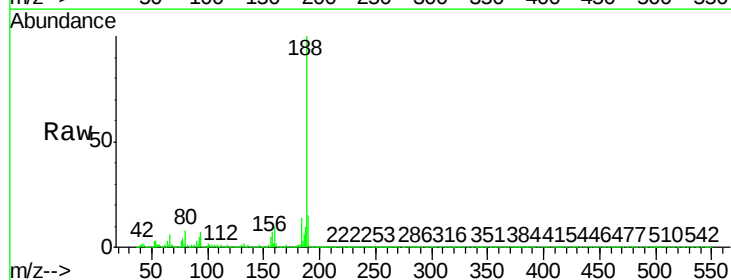
Instrument :
 BNA_P
 ClientSampleId :

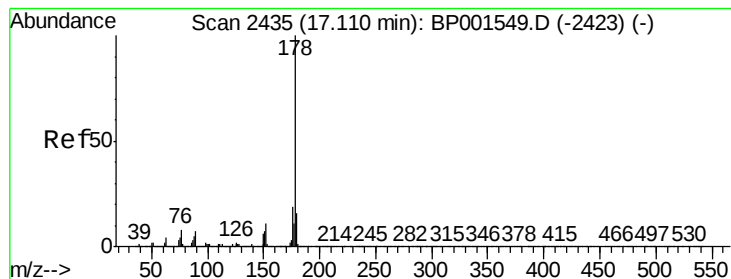
Tot Ion	166	Resp	12400
Ion Ratio	Lower	Upper	
166	100		
165	97.9	76.9	115.3
167	13.0	10.3	15.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.97 min Scan# 2412
 Delta R.T. -0.01 min
 Lab File: BP001697.D
 Acq: 27 Jan 2020 18:38

Tgt Ion	188	Resp	173415
Ion Ratio	Lower	Upper	
188	100		
94	7.5	5.9	8.9
80	8.3	6.8	10.2





#71

Phenanthrene

Concen: 7.377 ng

RT: 17.02 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BP001697.D

Acq: 27 Jan 2020 18:38

Instrument :

BNA_P

ClientSampleId :

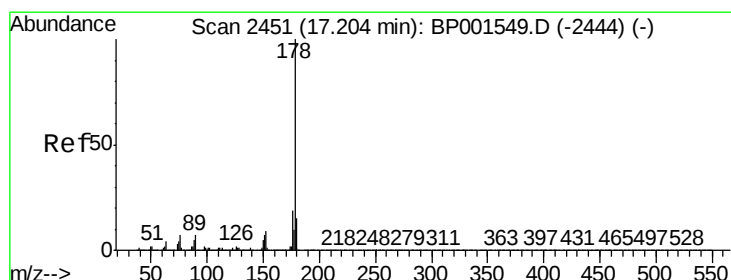
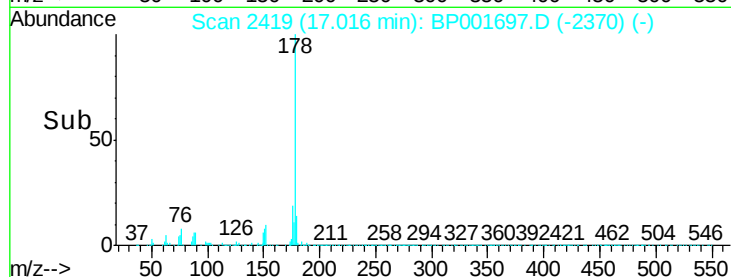
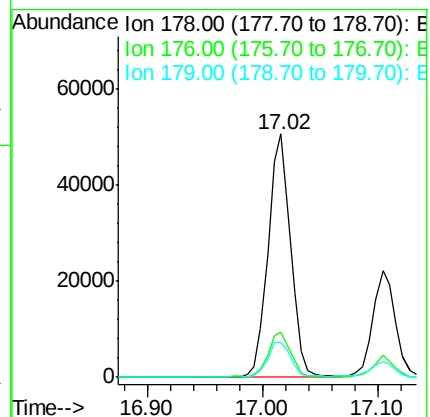
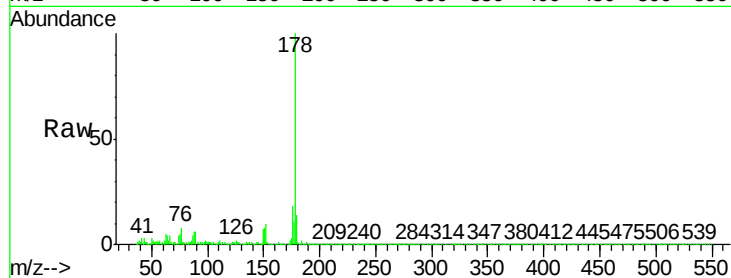
Tot Ion:178 Resp: 69574

Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

179 14.2 12.5 18.7



#72

Anthracene

Concen: 3.189 ng

RT: 17.10 min Scan# 2434

Delta R.T. -0.02 min

Lab File: BP001697.D

Acq: 27 Jan 2020 18:38

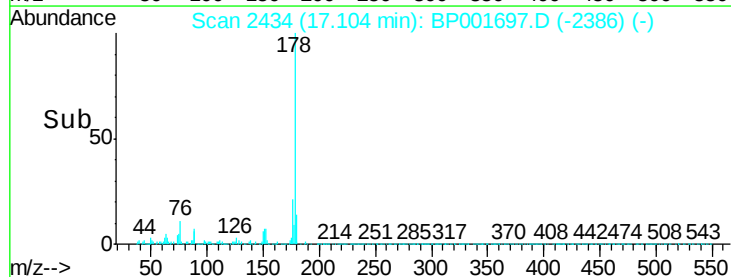
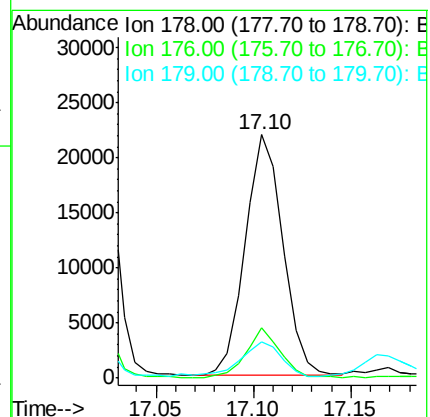
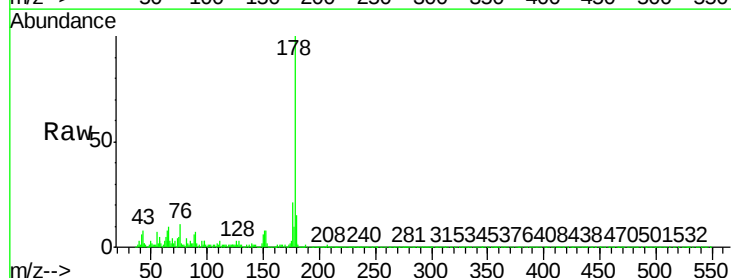
Tgt Ion:178 Resp: 29274

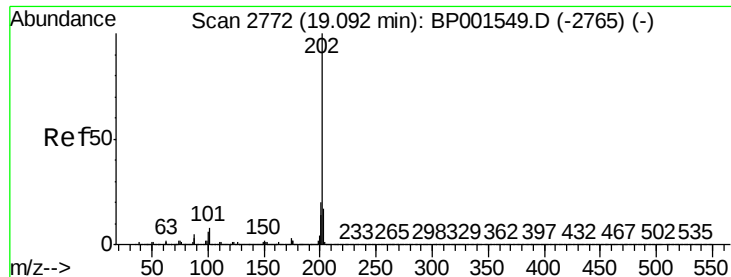
Ion Ratio Lower Upper

178 100

176 20.6 15.0 22.6

179 15.0 11.8 17.8





#75

Fluoranthene

Concen: 10.082 ng

RT: 19.00 min Scan# 2757

Delta R.T. -0.01 min

Lab File: BP001697.D

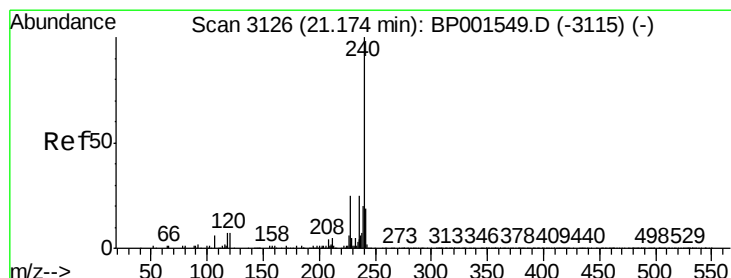
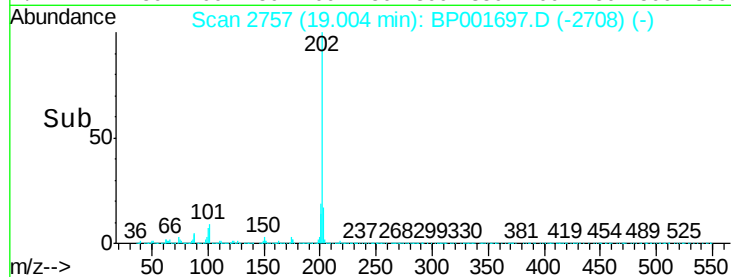
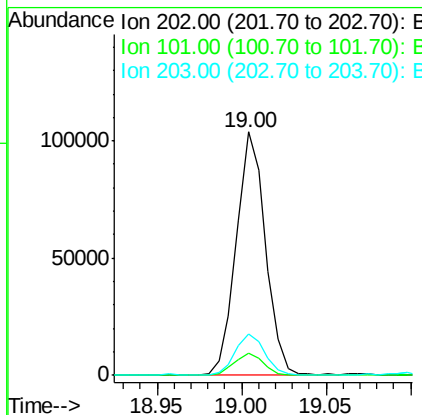
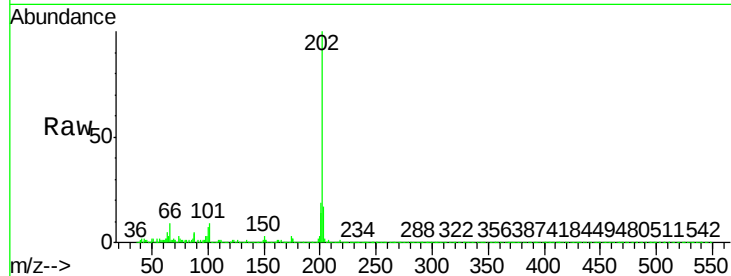
Acq: 27 Jan 2020 18:38

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	125112
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	28.4
203	17.2	0.0	37.4



#76

Chrysene-d12

Concen: 20.000 ng

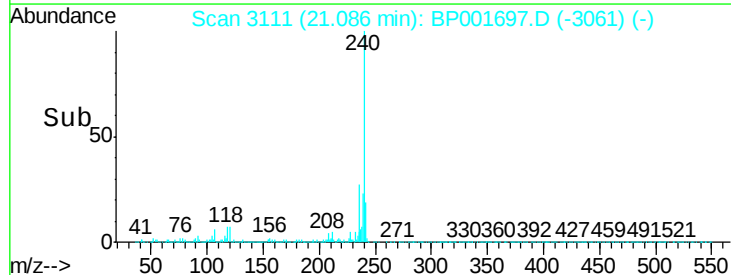
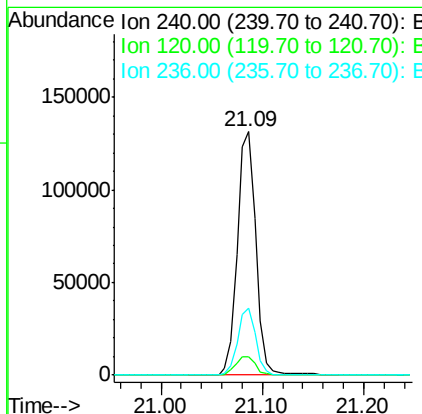
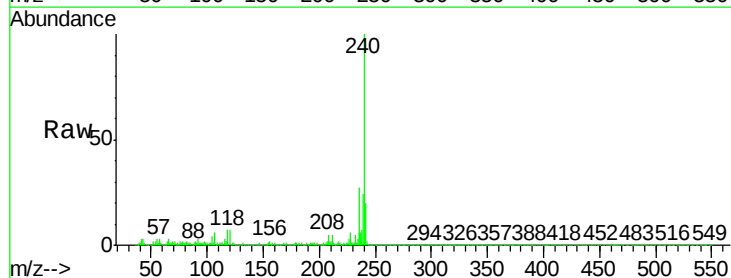
RT: 21.09 min Scan# 3111

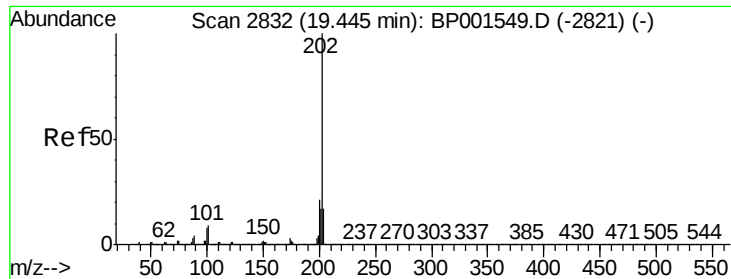
Delta R.T. -0.01 min

Lab File: BP001697.D

Acq: 27 Jan 2020 18:38

Tgt Ion:	240	Resp:	165853
Ion Ratio	Lower	Upper	
240	100		
120	7.3	5.7	8.5
236	27.4	20.4	30.6

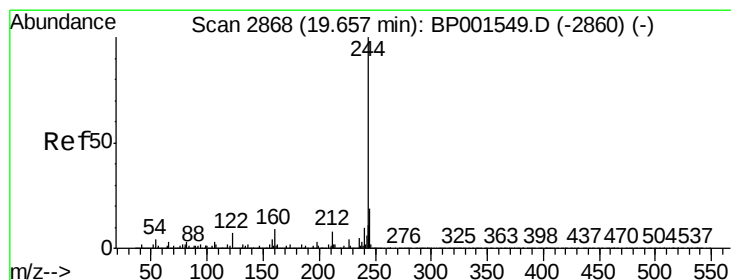
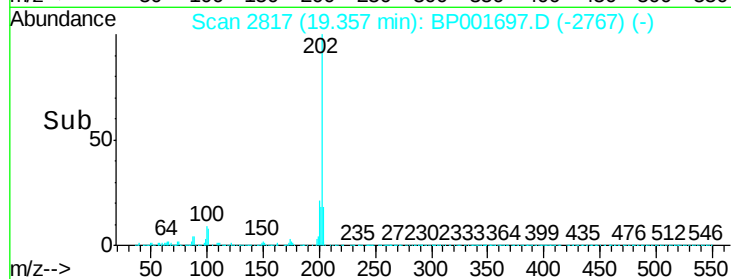
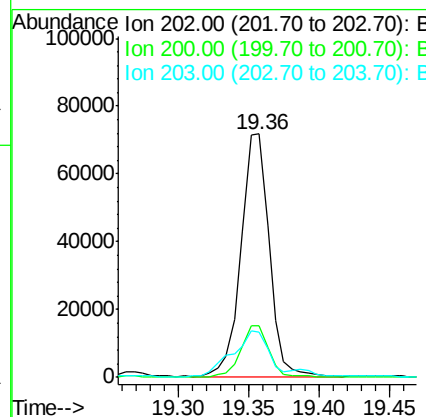
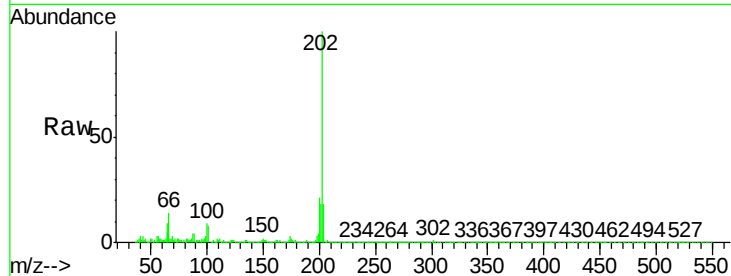




#78
Pvrene
Concen: 8.246 ng
RT: 19.36 min Scan# 2817
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

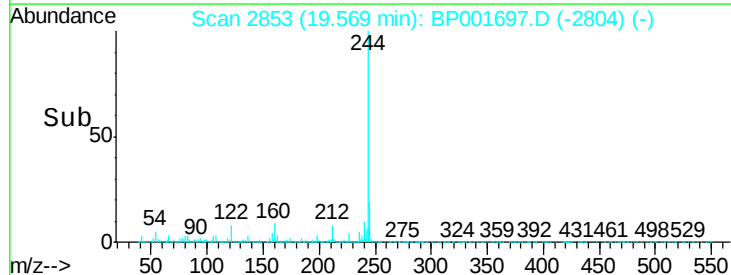
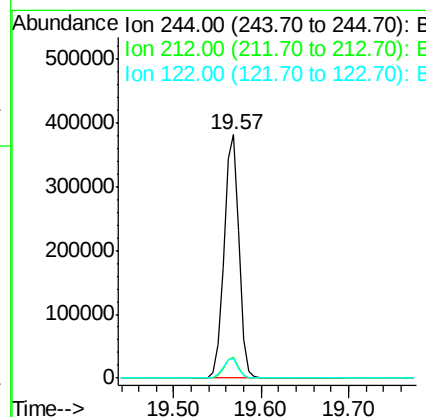
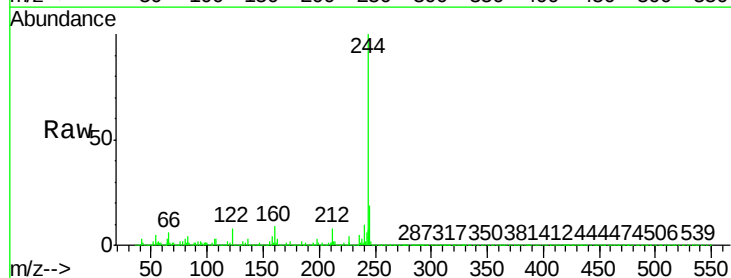
Instrument :
BNA_P
ClientSampleId :

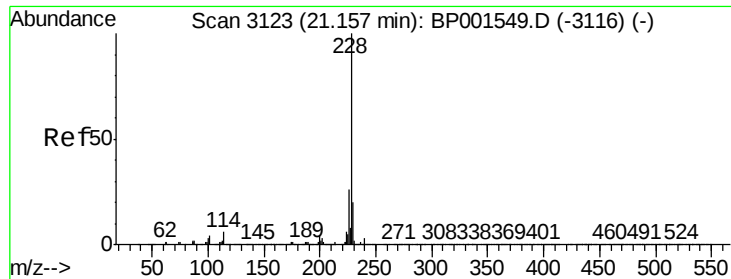
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	18.3	13.7	20.5



#79
Terphenyl-d14
Concen: 49.632 ng
RT: 19.57 min Scan# 2853
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.3	9.5
122	8.0	5.8	8.6

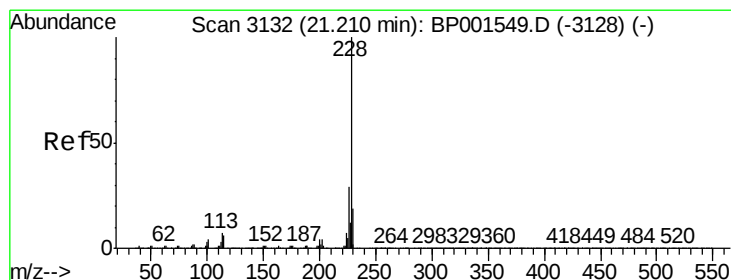
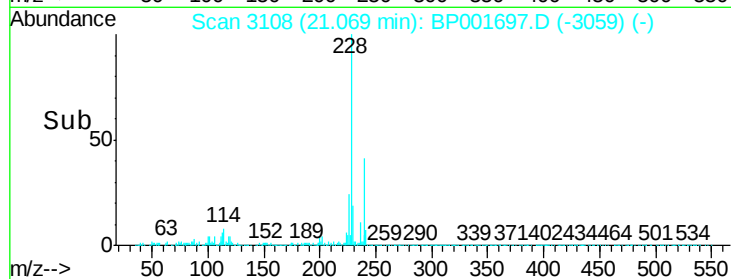
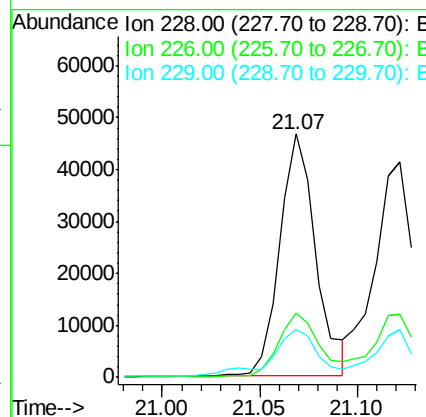
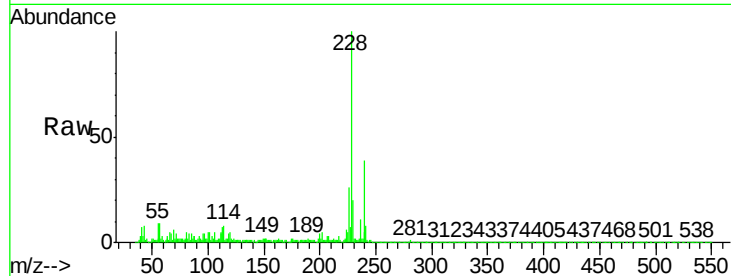




#81
Benzo(a)anthracene
Concen: 5.184 ng
RT: 21.07 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

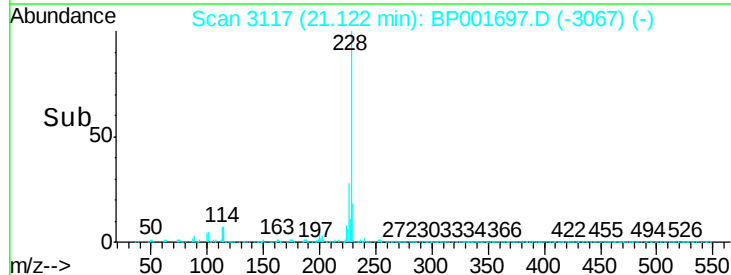
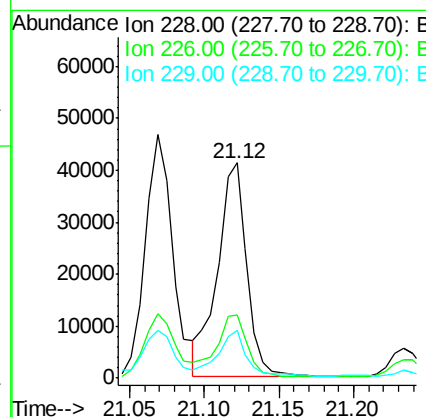
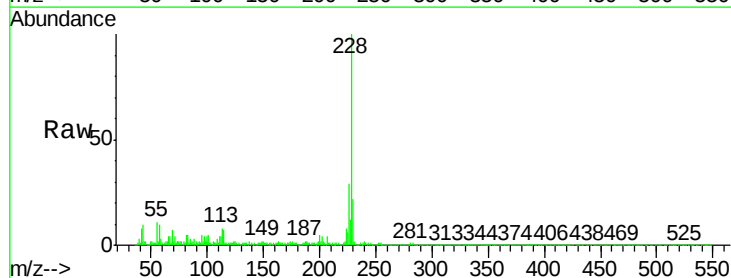
Instrument :
BNA_P
ClientSampleId :

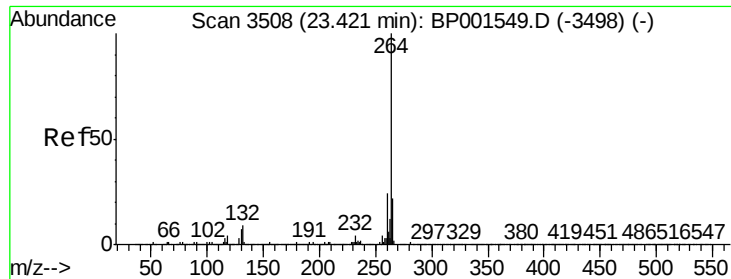
Tot Ion:228 Resp: 59884
Ion Ratio Lower Upper
228 100
226 26.5 21.2 31.8
229 19.8 16.1 24.1



#83
Chrysene
Concen: 5.082 ng
RT: 21.12 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

Tgt Ion:228 Resp: 57205
Ion Ratio Lower Upper
228 100
226 29.3 23.2 34.8
229 22.4 15.2 22.8

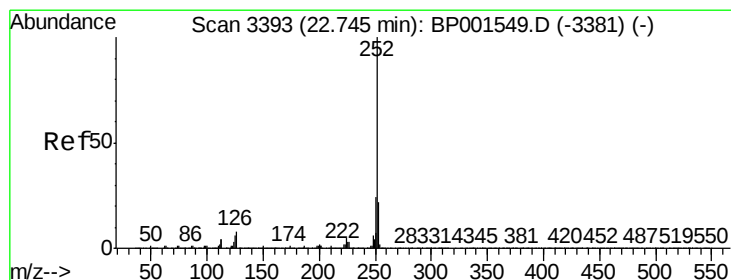
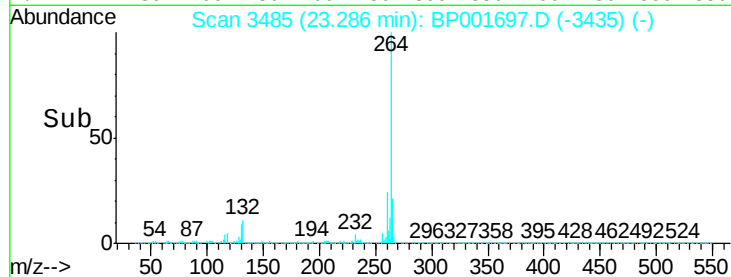
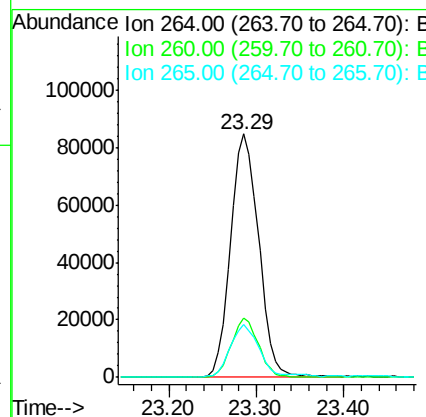
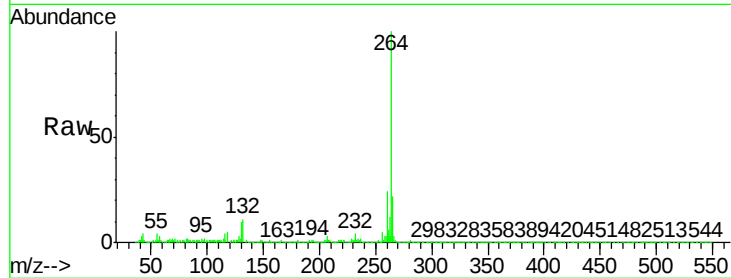




#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3485
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

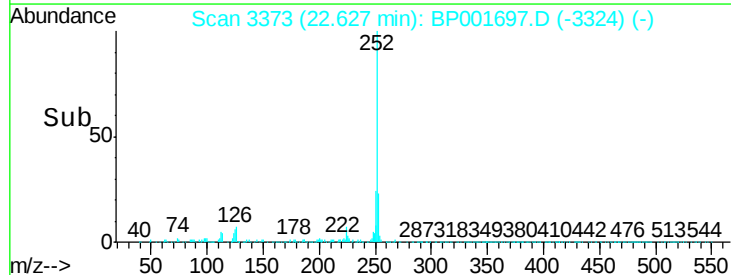
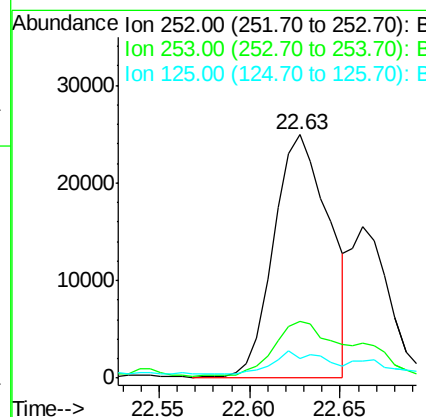
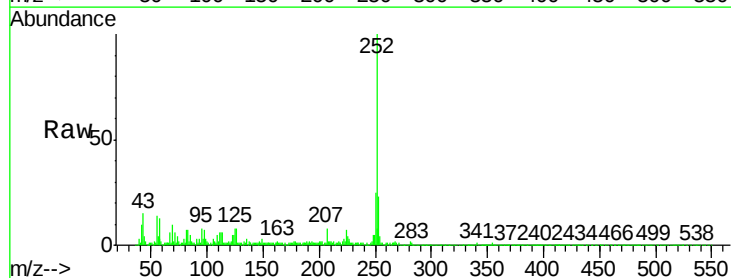
Instrument :
BNA_P
ClientSampled :

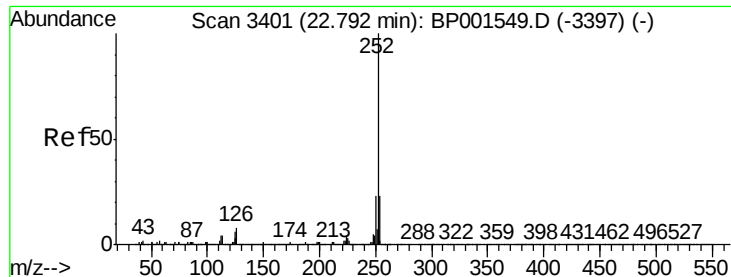
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.6
265	21.5	18.2	27.4



#88
Benzo(b)fluoranthene
Concen: 4.529 ng
RT: 22.63 min Scan# 3373
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	8.3	4.6	7.0

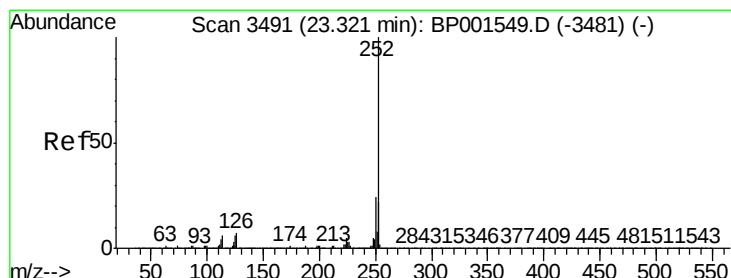
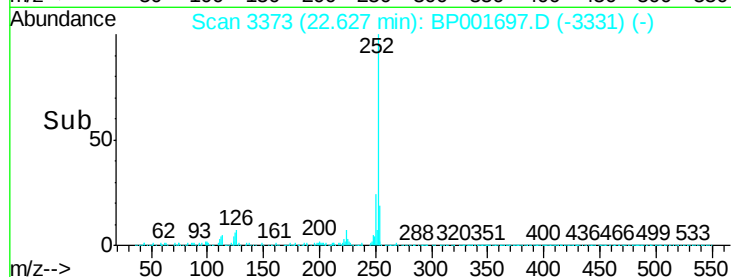
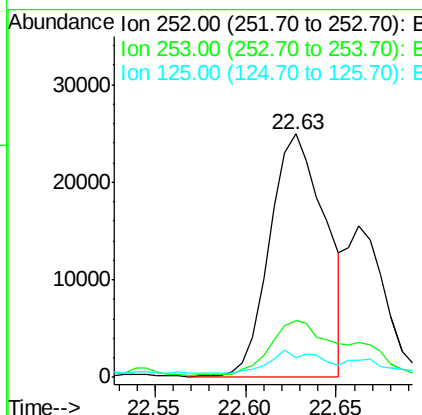
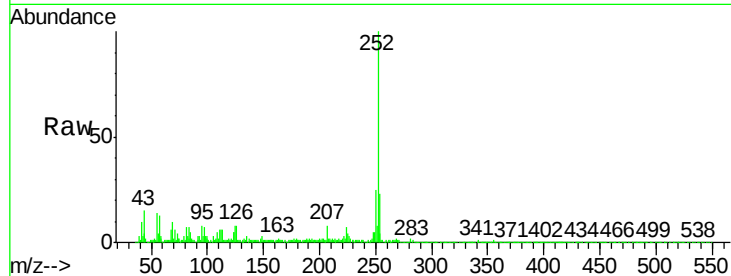




#89
Benzo(k)fluoranthene
Concen: 4.645 ng
RT: 22.63 min Scan# 3373
Delta R.T. -0.05 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

Instrument :
BNA_P
ClientSampleId :

Tot Ion:252 Resp: 53110
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.2
125 8.3 4.6 6.8#



#90
Benzo(a)pyrene
Concen: 3.493 ng
RT: 23.19 min Scan# 3468
Delta R.T. -0.02 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

Tgt Ion:252 Resp: 38887
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 8.3 5.0 7.4#

