

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 :
 20200066-AMENDED-COMP-4RX

Quant Time: Jan 28 04:25:18 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

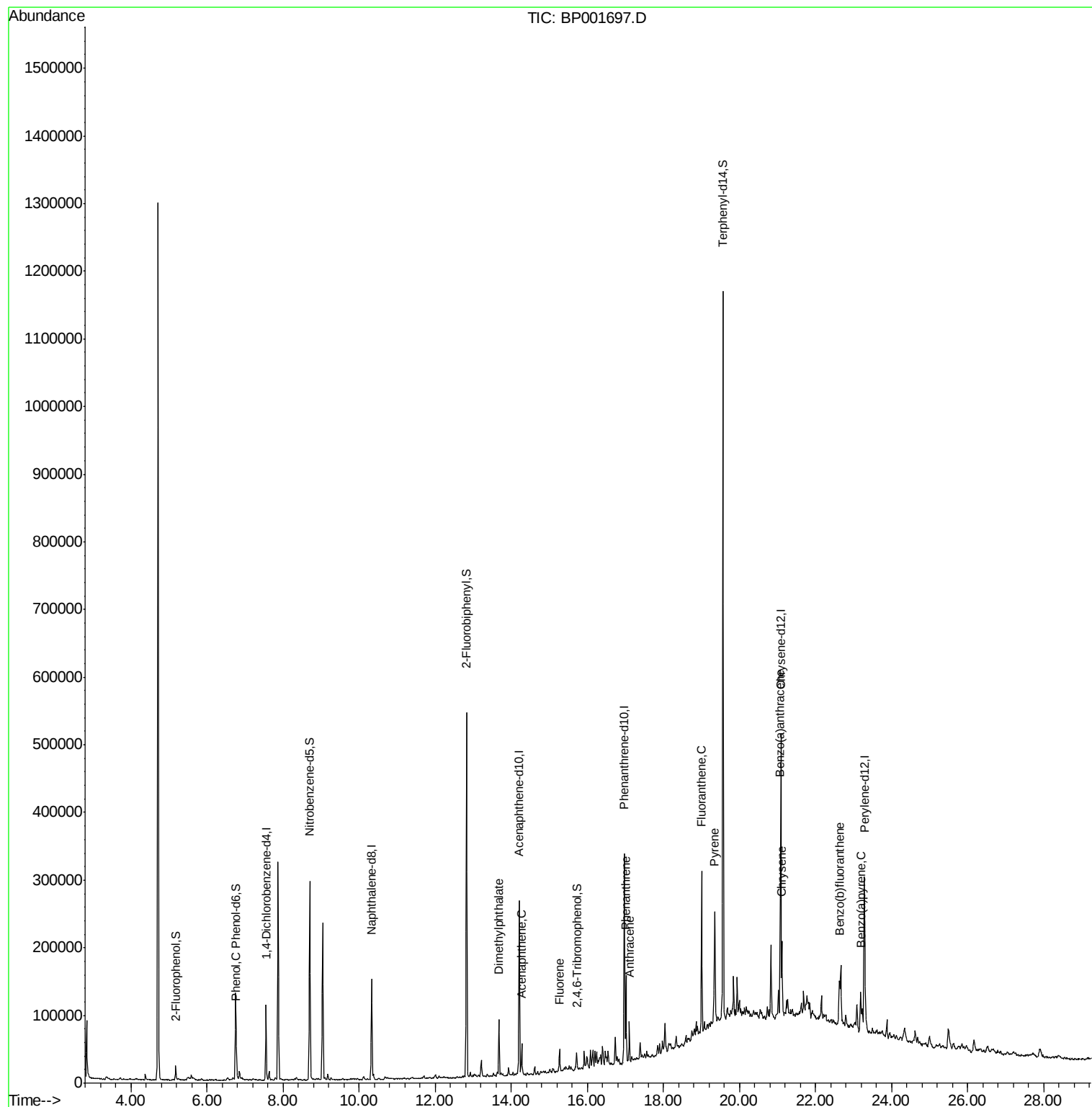
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.78	94	10260	5.394	ng	92
50) Dimethylphthalate	13.67	163	44642	7.243	ng	100
52) Acenaphthene	14.27	154	14731	3.460	ng	94
58) Fluorene	15.27	166	12400	2.129	ng	98
71) Phenanthrene	17.02	178	69574	7.377	ng	98
72) Anthracene	17.10	178	29274	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
90) Benzo(a)pyrene	23.19	252	38887	3.493	ng	# 97

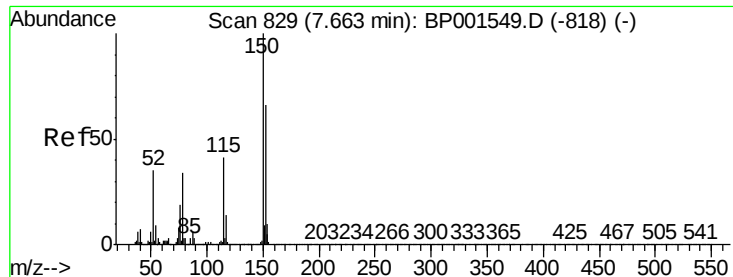
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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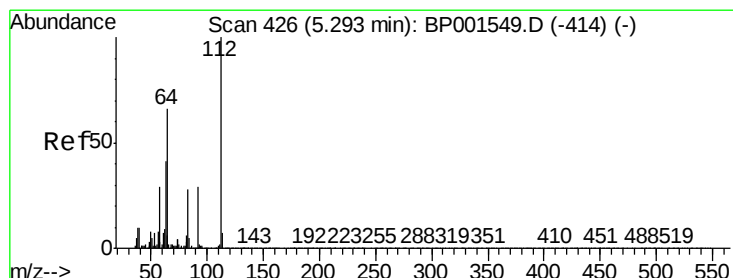
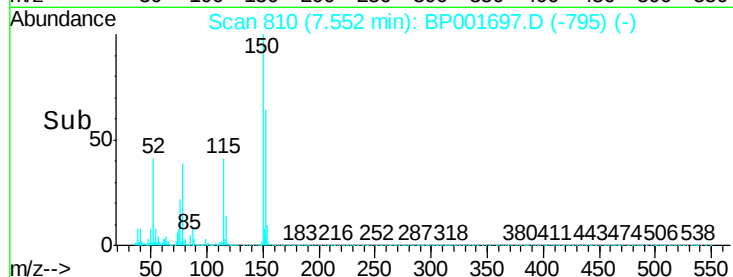
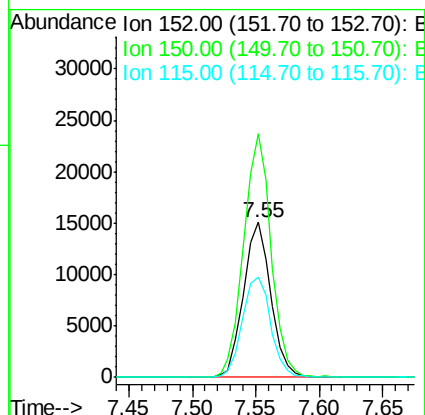
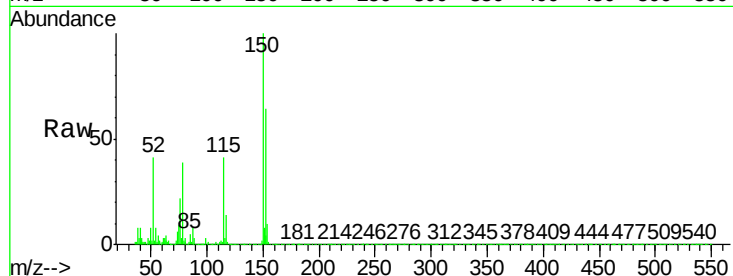


#1

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 :
20200066-AMENDED-COMP-4RX

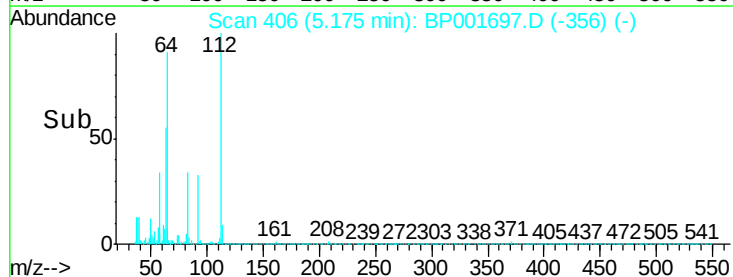
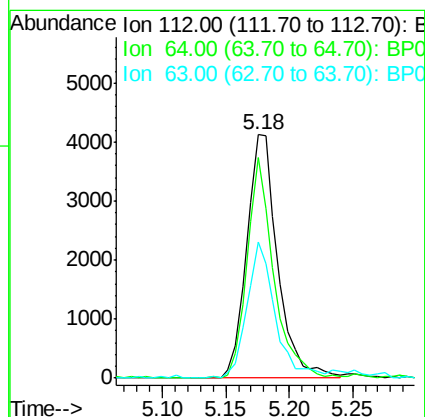
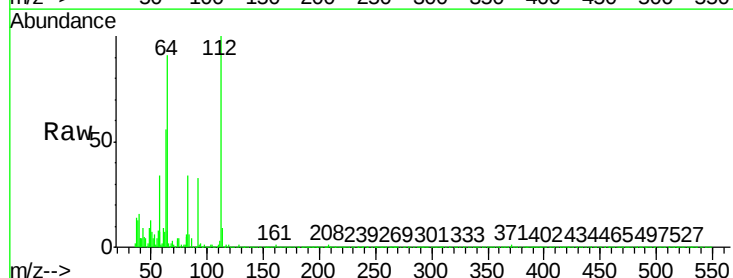
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	122.0	183.0
115	64.8	50.7	76.1

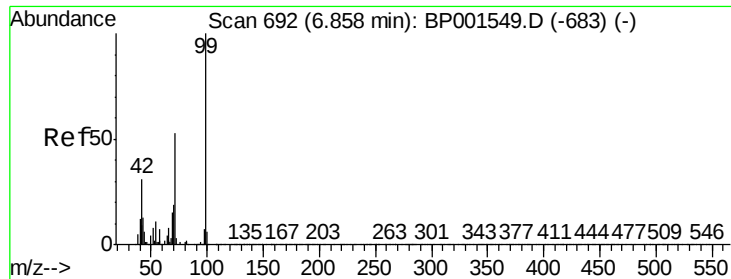


#5

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	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 :

20200066-AMENDED-COMP-4RX

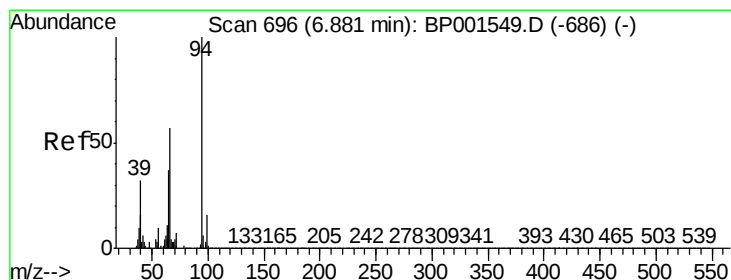
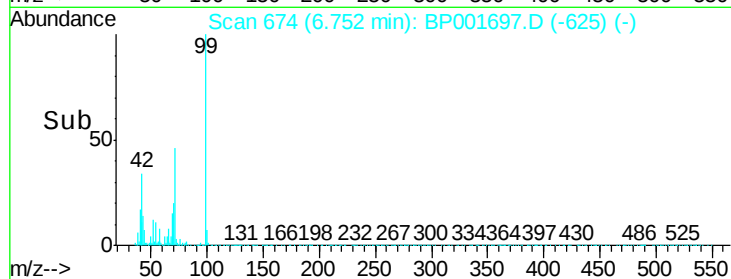
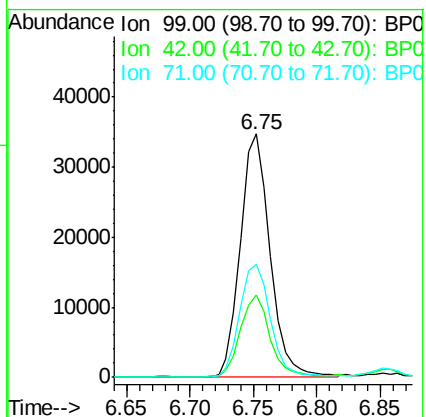
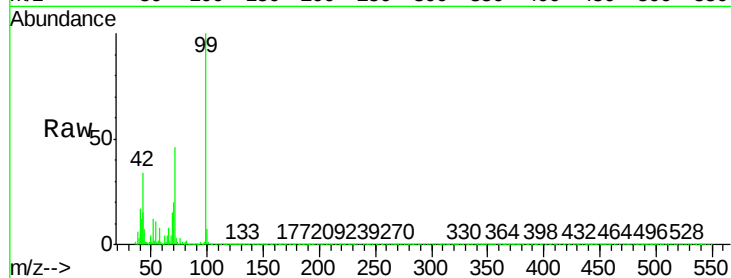
Tot Ion: 99 Resp: 56653

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

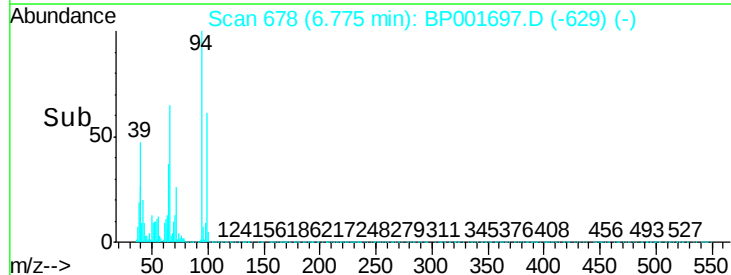
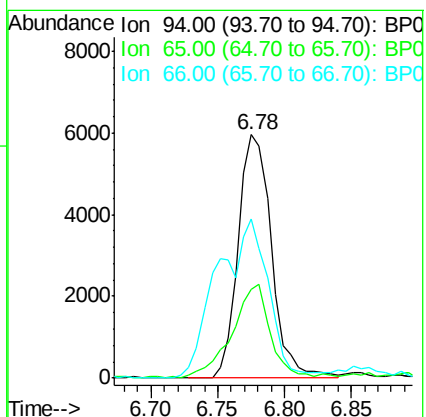
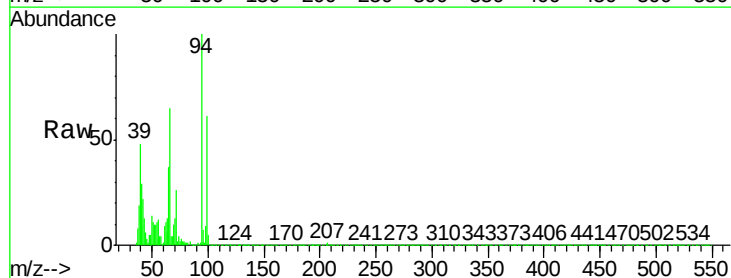
Tgt Ion: 94 Resp: 10260

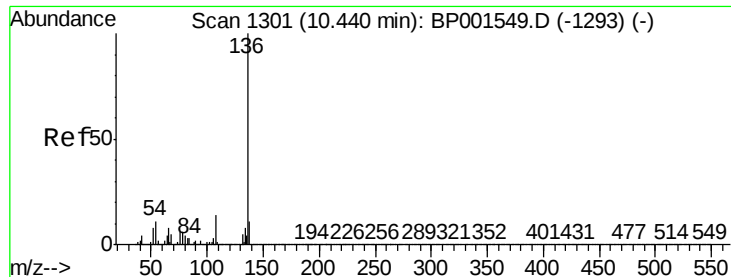
Ion Ratio Lower Upper

94 100

65 36.6 17.5 57.5

66 65.3 36.7 76.7

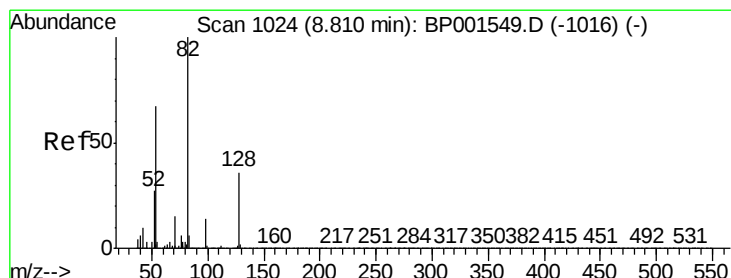
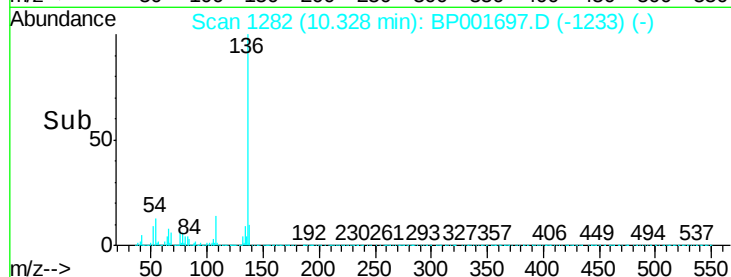
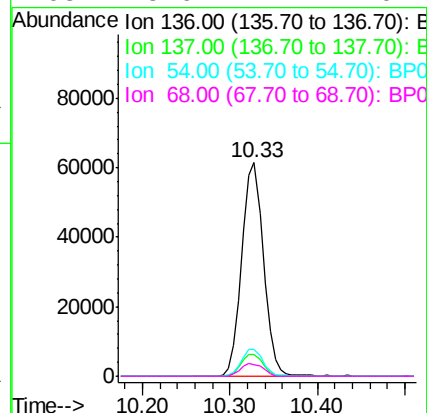
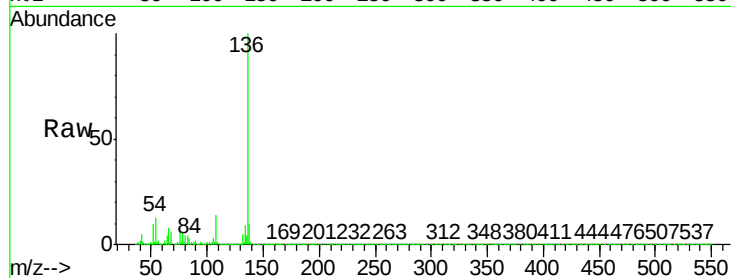




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.33 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

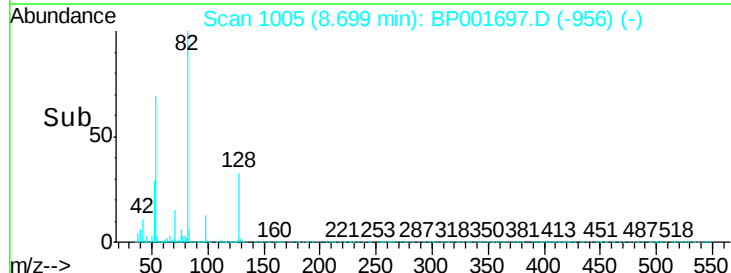
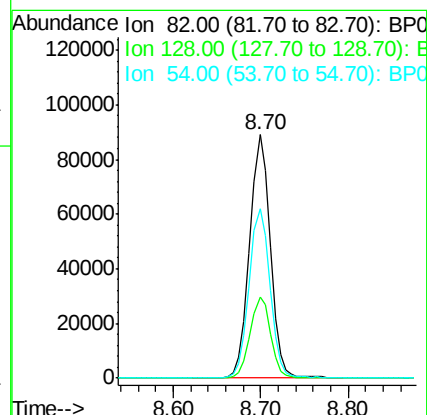
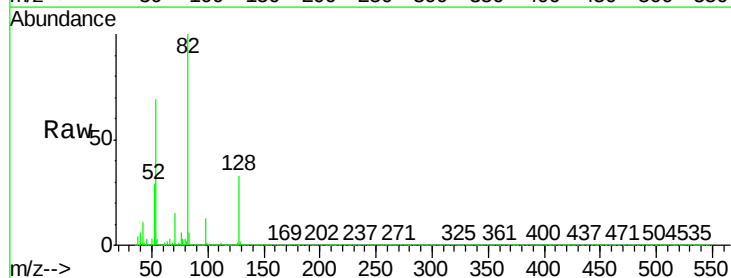
Instrument :
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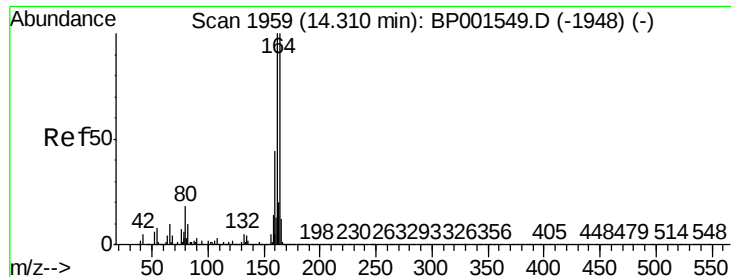
Tot Ion:136	Resp:	102758	
Ion Ratio	Lower	Upper	
136 100			
137 10.5	8.6	12.8	
54 12.5	9.2	13.8	
68 5.6	4.1	6.1	



#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

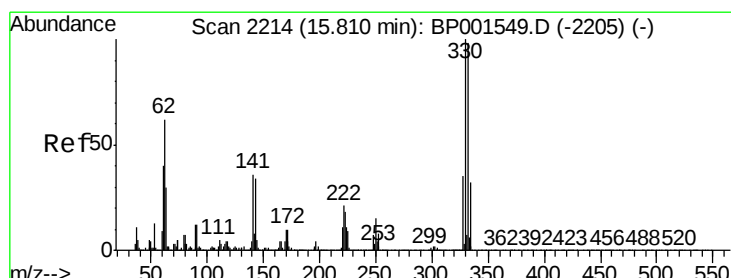
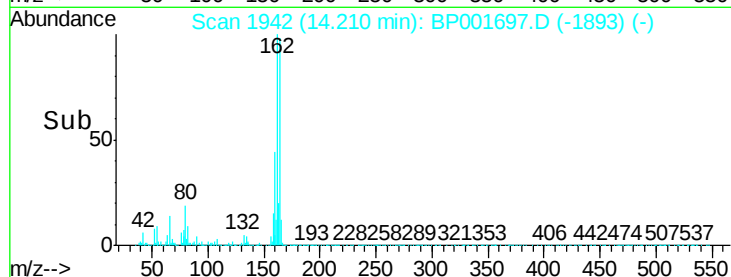
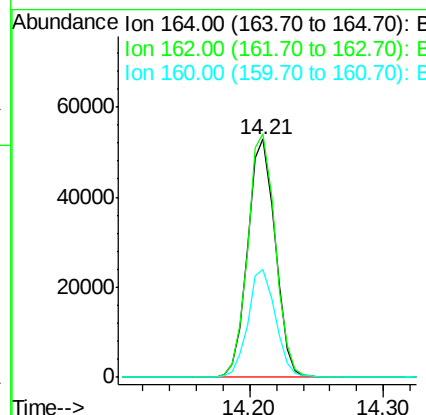
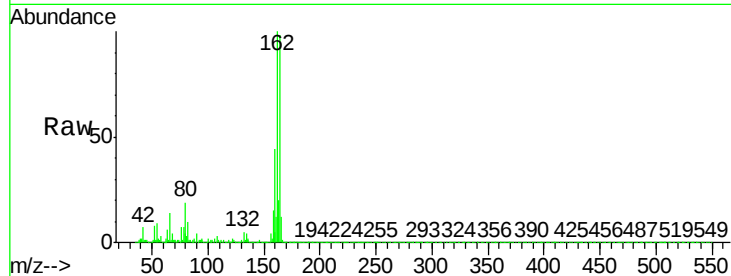




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.21 min Scan# 1942
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

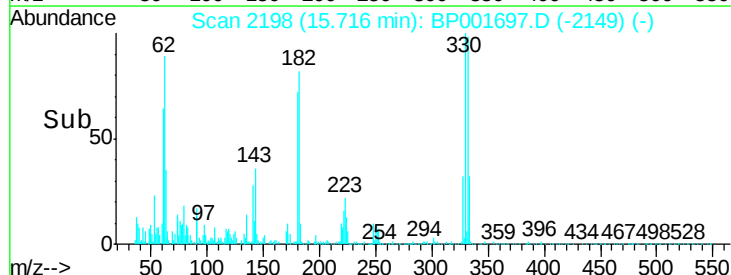
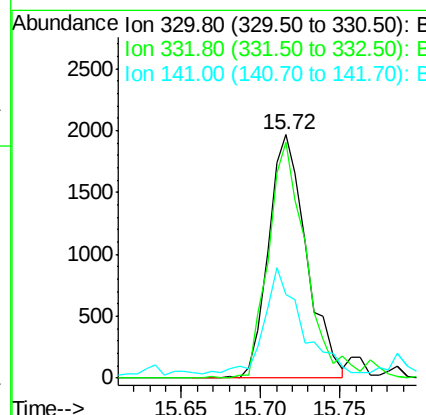
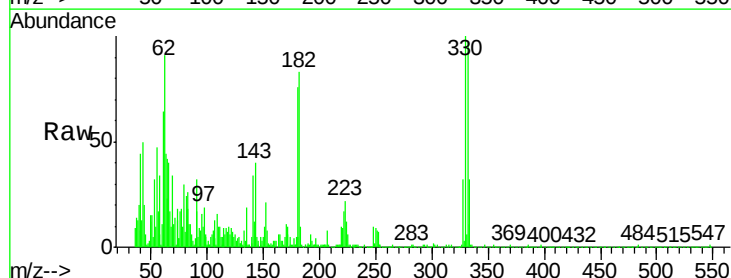
Instrument :
BNA_P
ClientSampleId :
20200066-AMENDED-COMP-4RX

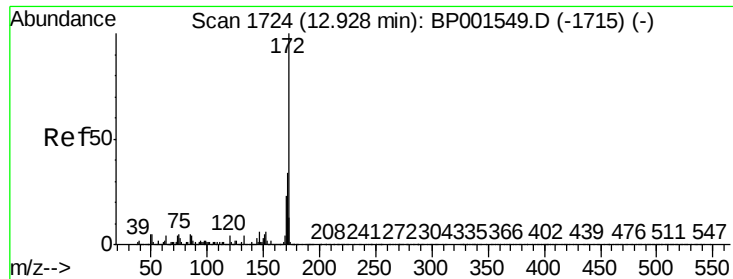
Tot Ion:164 Resp: 74834
Ion Ratio Lower Upper
164 100
162 102.3 79.8 119.6
160 45.1 35.0 52.6



#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

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

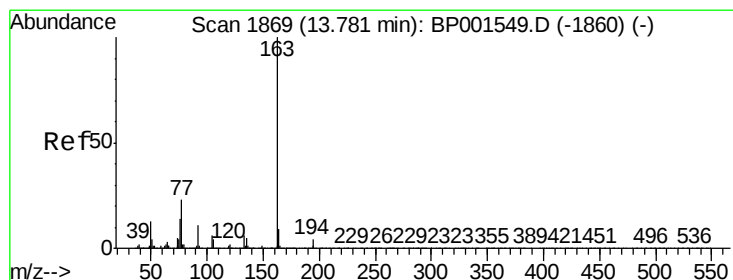
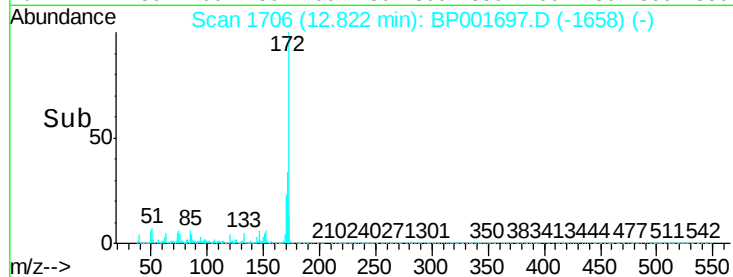
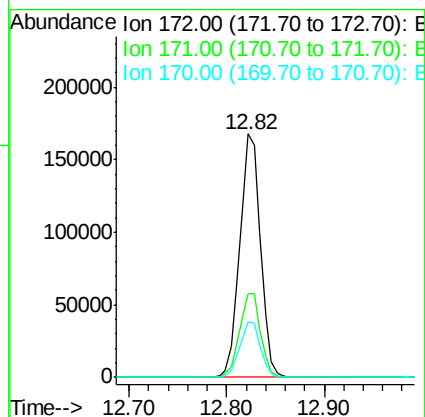
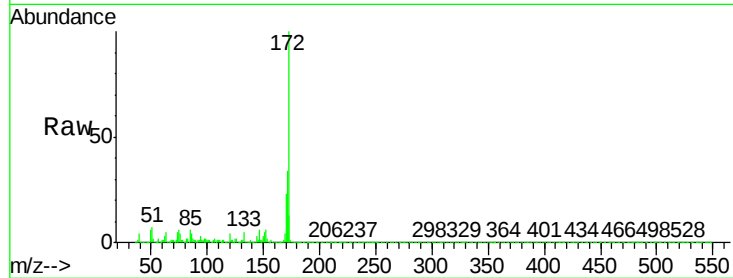




#45
2-Fluorobiphenyl
Concen: 48.598 ng
RT: 12.82 min Scan# 1706
Delta R.T. -0.02 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

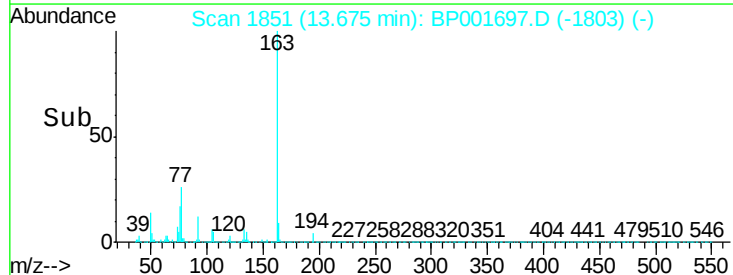
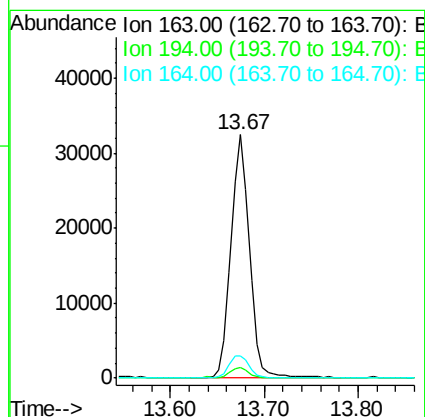
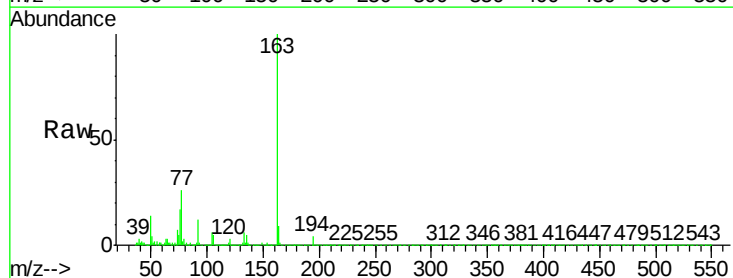
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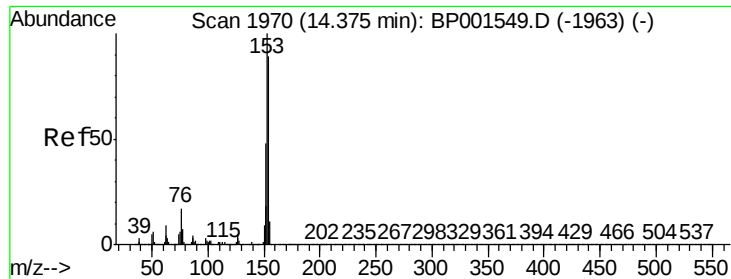
Tot Ion:172 Resp: 247356
Ion Ratio Lower Upper
172 100
171 34.3 27.6 41.4
170 23.0 18.3 27.5



#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

Tgt 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

Instrument :

BNA_P

ClientSampleId :

20200066-AMENDED-COMP-4RX

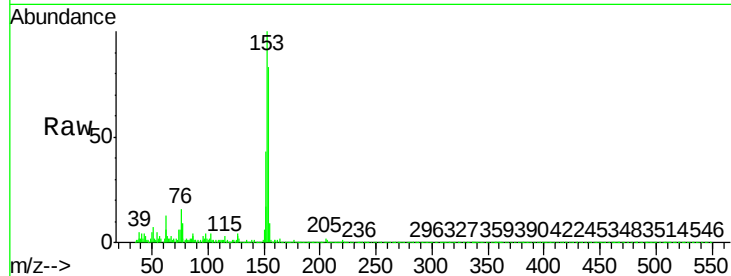
Tot Ion:154 Resp: 14731

Ion Ratio Lower Upper

154 100

153 121.2 89.4 134.2

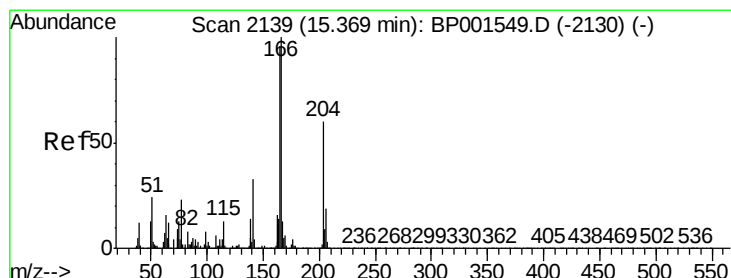
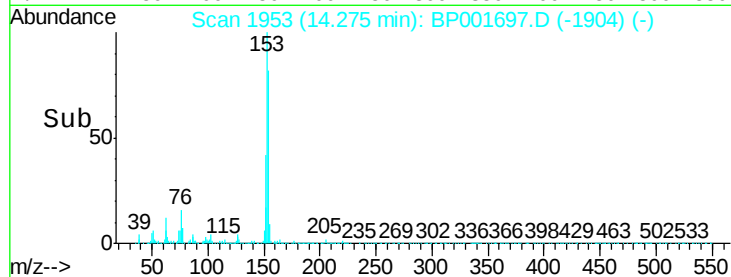
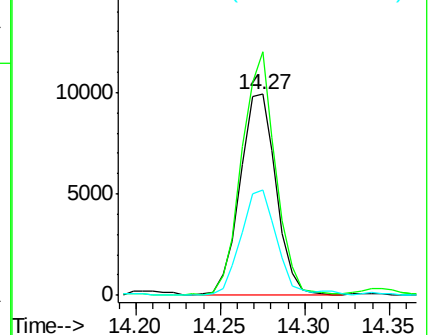
152 52.4 42.6 64.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#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

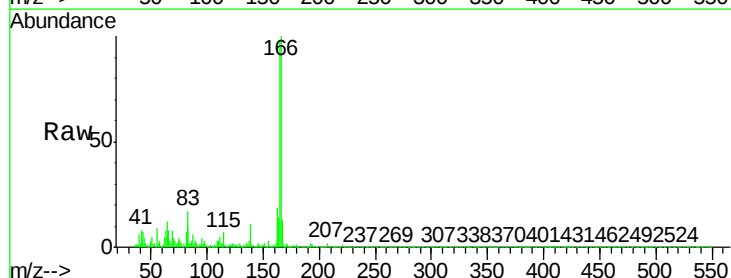
Tgt Ion:166 Resp: 12400

Ion Ratio Lower Upper

166 100

165 97.9 76.9 115.3

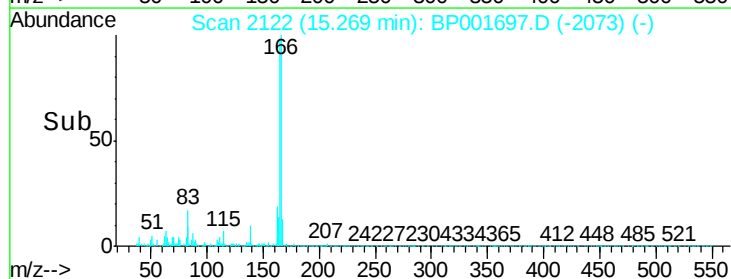
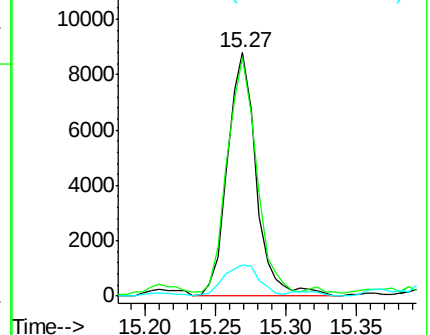
167 13.0 10.3 15.5

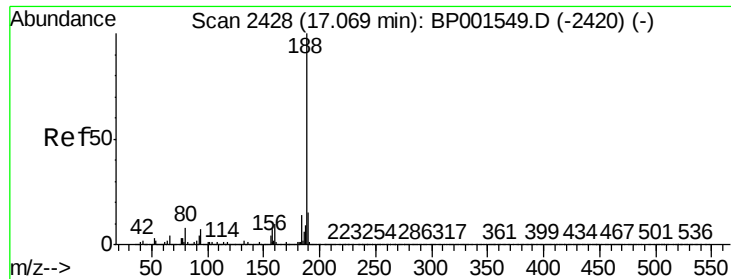


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#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

Instrument :

BNA_P

ClientSampleId :

20200066-AMENDED-COMP-4RX

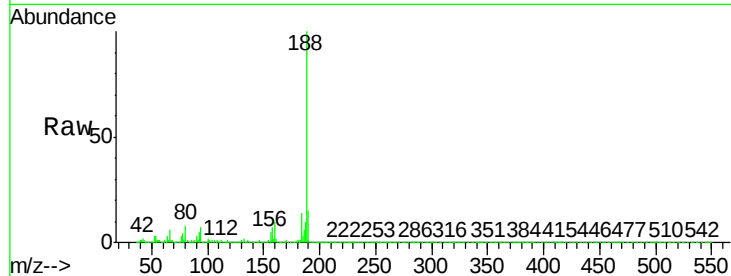
Tot Ion:188 Resp: 173415

Ion Ratio Lower Upper

188 100

94 7.5 5.9 8.9

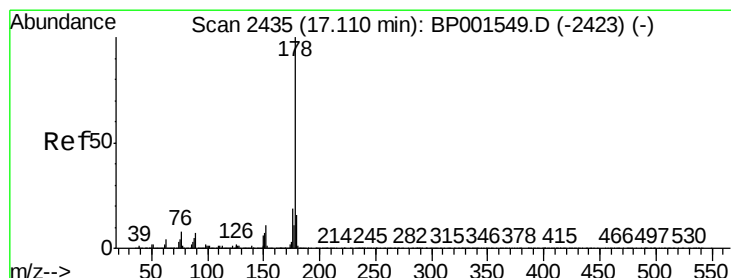
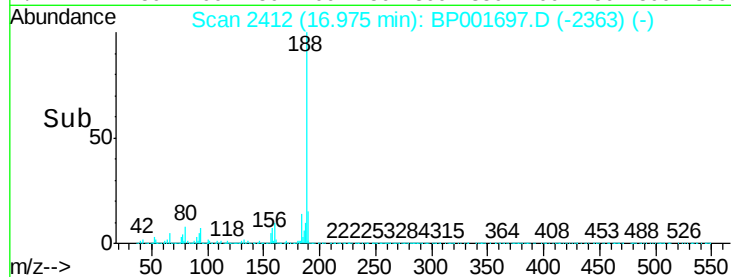
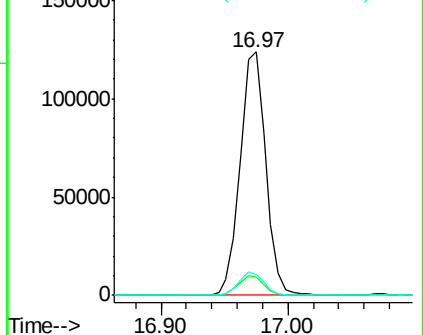
80 8.3 6.8 10.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#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

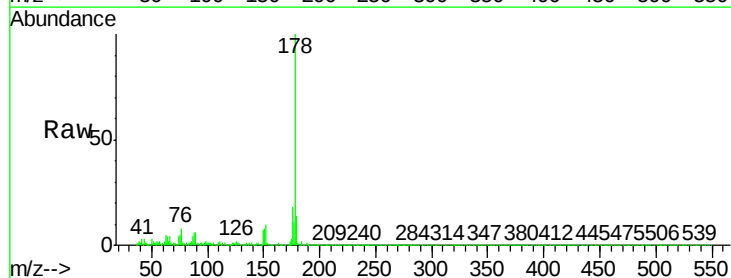
Tgt Ion:178 Resp: 69574

Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

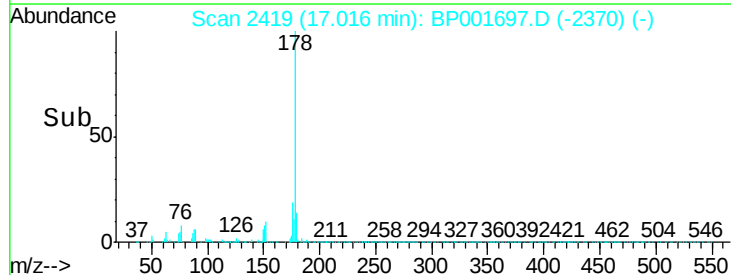
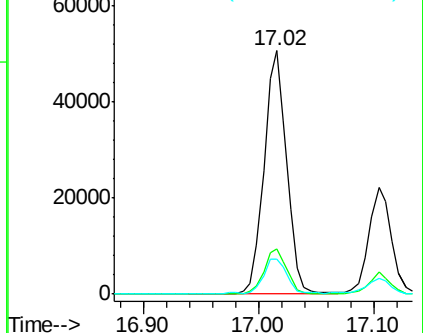
179 14.2 12.5 18.7

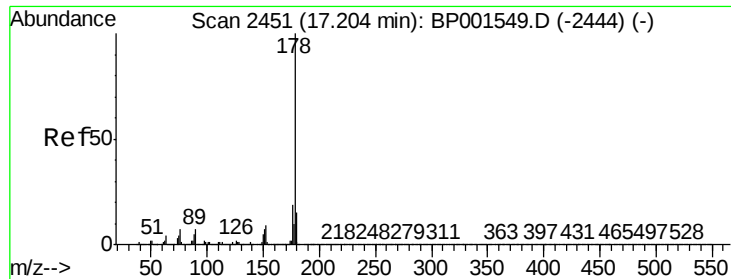


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#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

Instrument :

BNA_P

ClientSampleId :

20200066-AMENDED-COMP-4RX

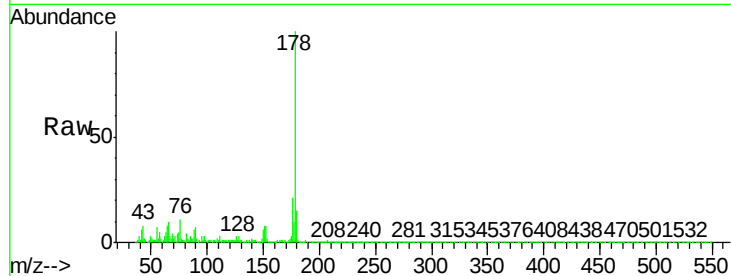
Tot Ion:178 Resp: 29274

Ion Ratio Lower Upper

178 100

176 20.6 15.0 22.6

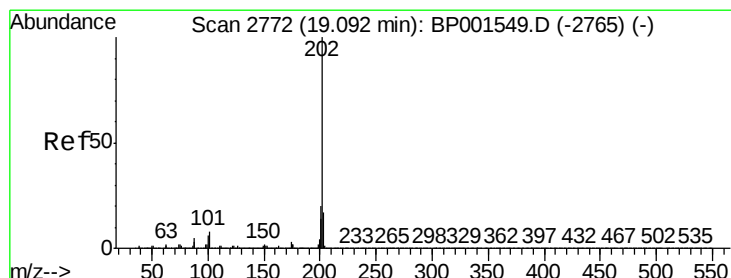
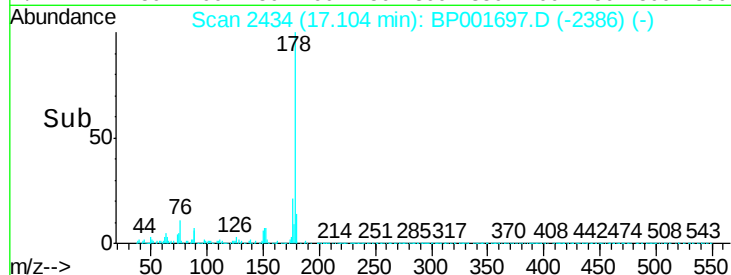
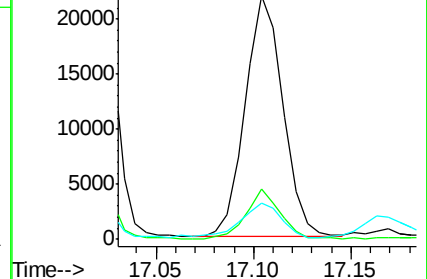
179 15.0 11.8 17.8



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: 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

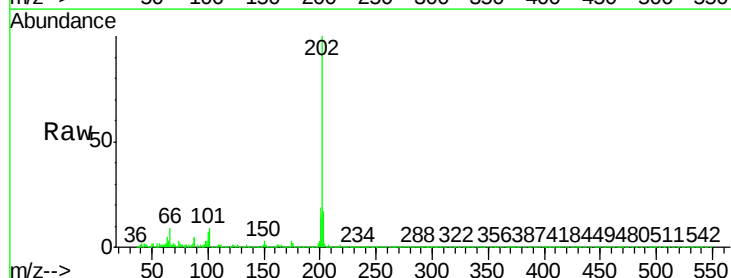
Tgt Ion:202 Resp: 125112

Ion Ratio Lower Upper

202 100

101 9.1 0.0 28.4

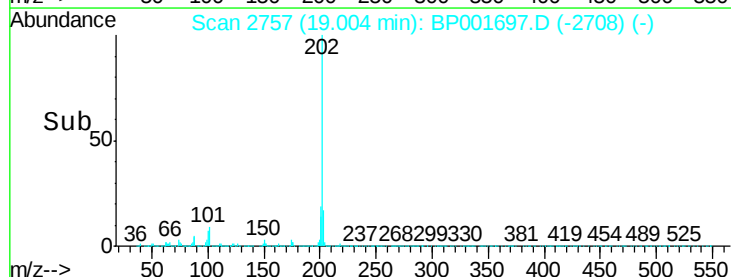
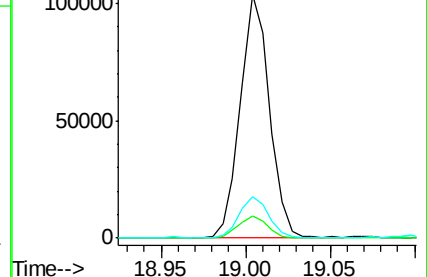
203 17.2 0.0 37.4

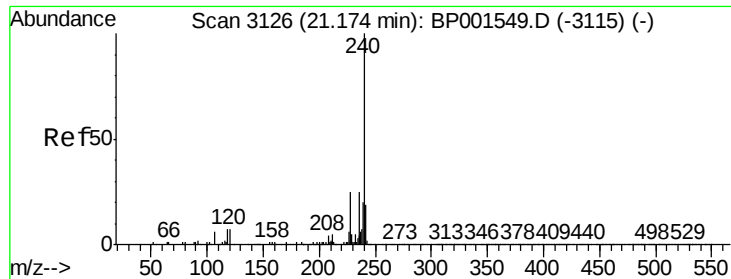


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

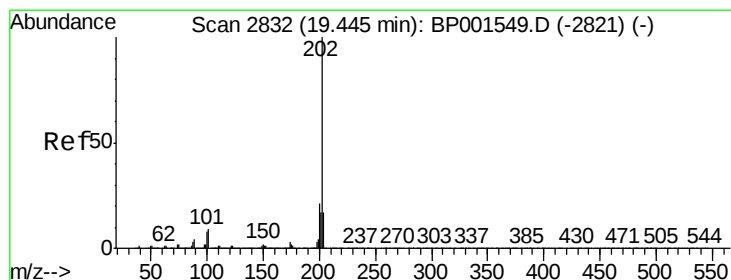
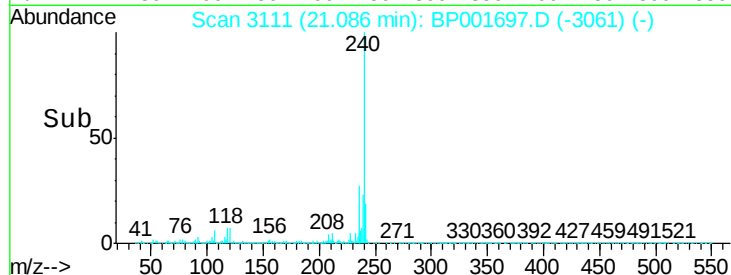
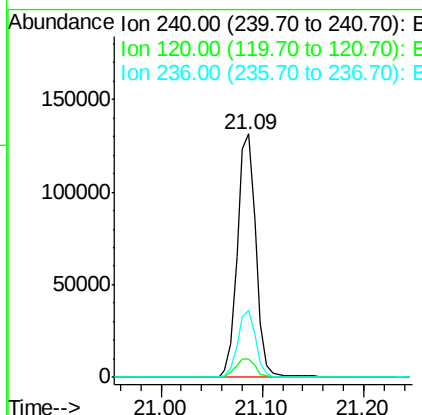
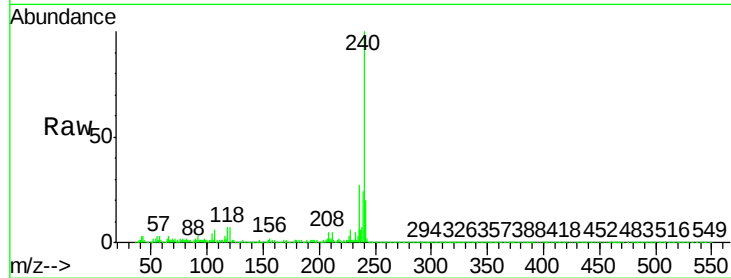




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3111
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

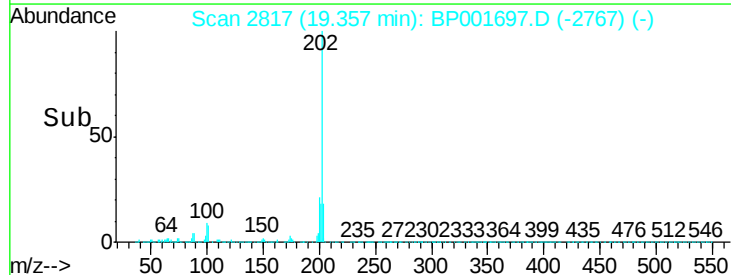
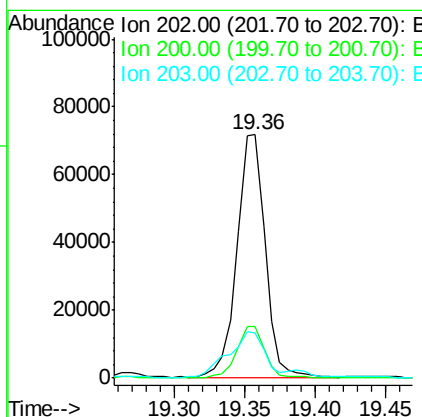
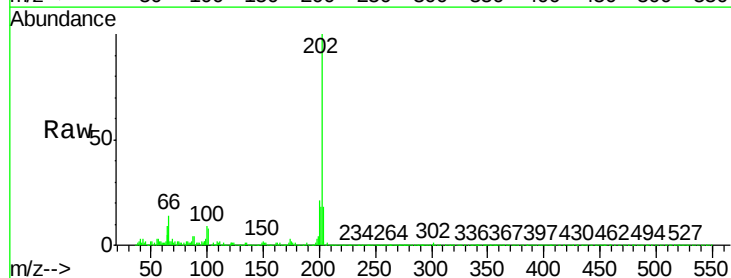
Instrument :
BNA_P
ClientSampleId :
20200066-AMENDED-COMP-4RX

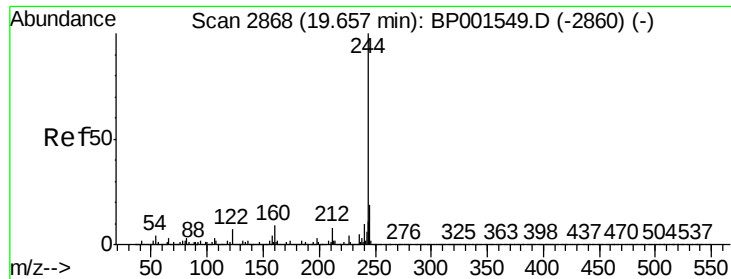
Tot Ion:240 Resp: 165853
Ion Ratio Lower Upper
240 100
120 7.3 5.7 8.5
236 27.4 20.4 30.6



#78
Pyrene
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

Tgt Ion:202 Resp: 100464
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

Instrument :

BNA_P

ClientSampleId :

20200066-AMENDED-COMP-4RX

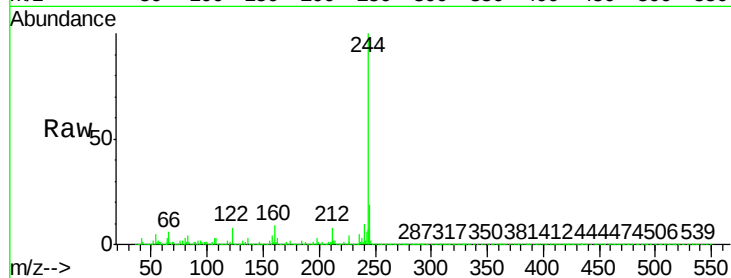
Tot Ion:244 Resp: 450054

Ion Ratio Lower Upper

244 100

212 8.3 6.3 9.5

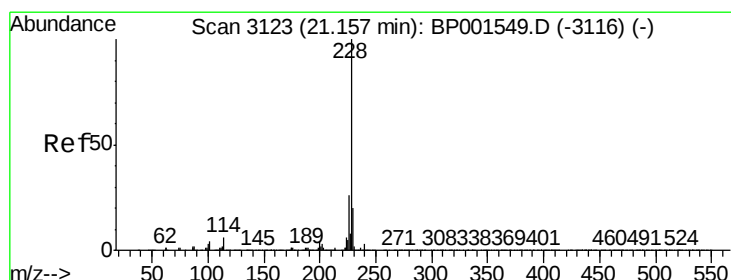
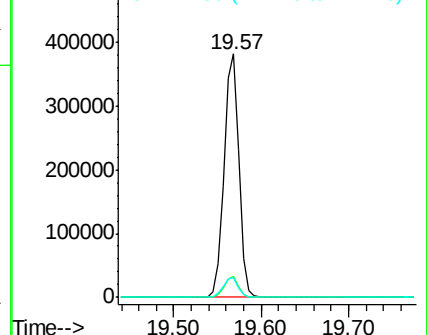
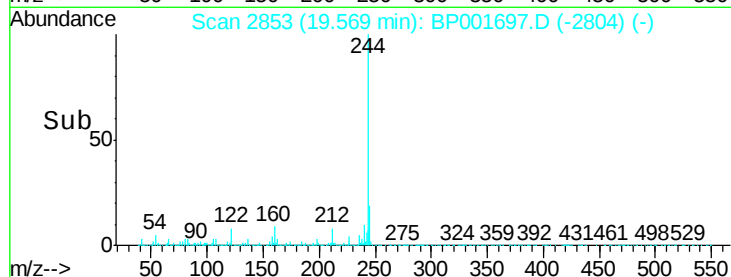
122 8.0 5.8 8.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#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

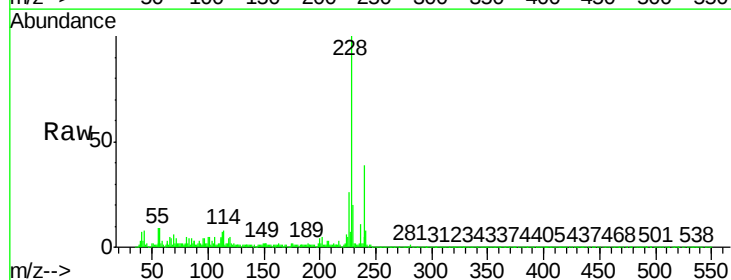
Tgt Ion:228 Resp: 59884

Ion Ratio Lower Upper

228 100

226 26.5 21.2 31.8

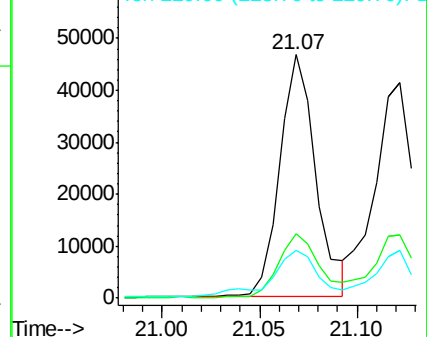
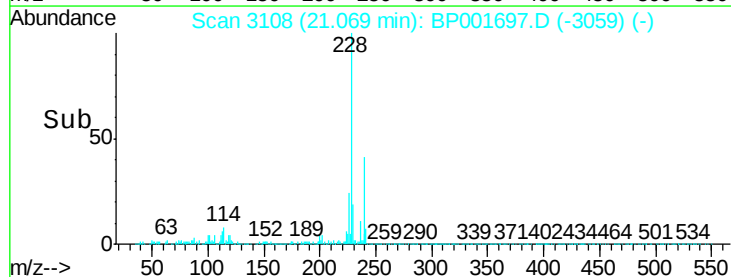
229 19.8 16.1 24.1

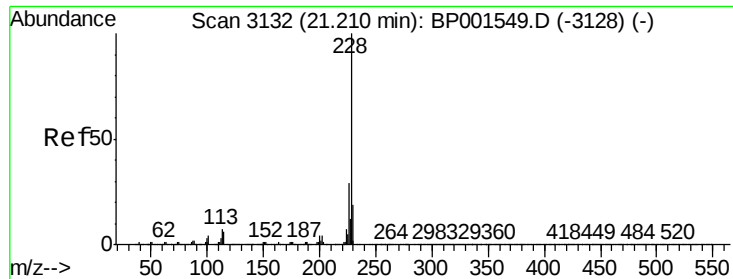


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

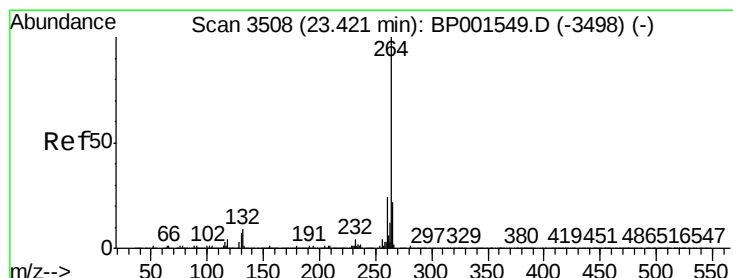
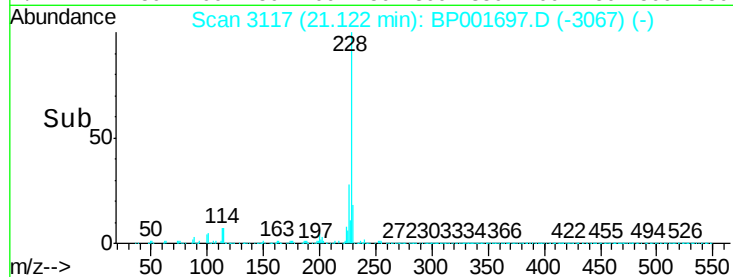
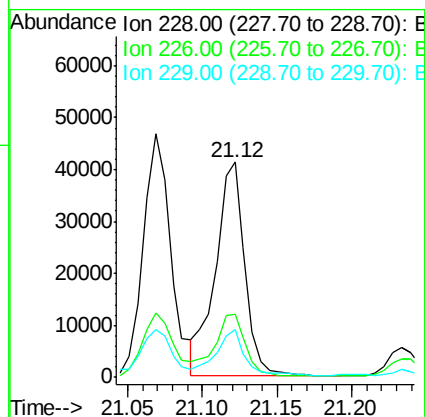
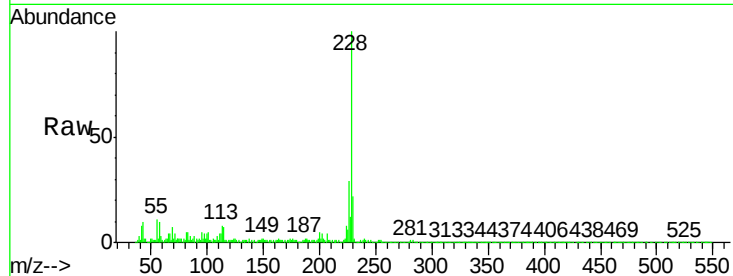




#83
Chrysene
Concen: 5.082 ng
RT: 21.12 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BP001697.D
Acq: 27 Jan 2020 18:38

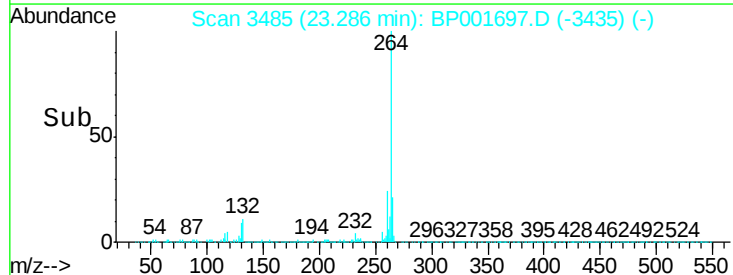
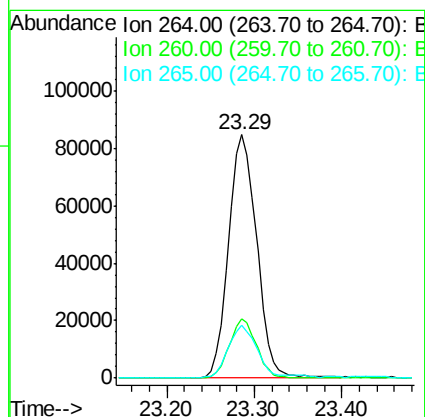
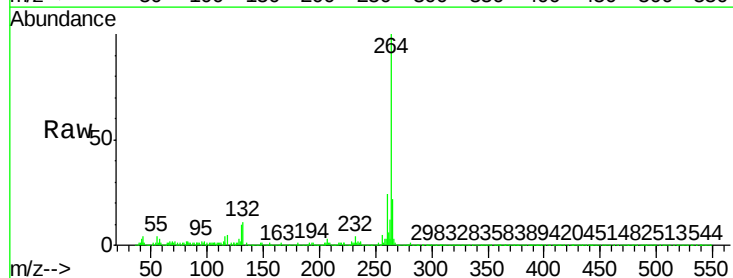
Instrument :
BNA_P
ClientSampleId :
20200066-AMENDED-COMP-4RX

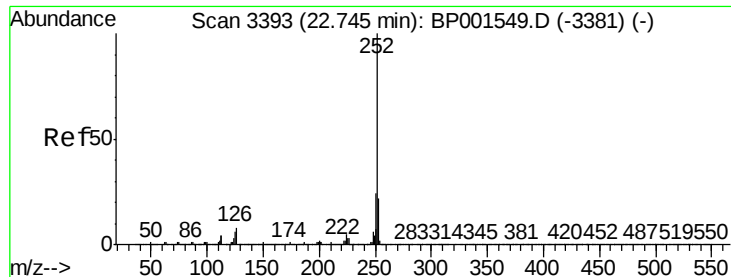
Tot	Ion:228	Resp:	57205
Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.2	34.8
229	22.4	15.2	22.8



#87
Perylene-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

Tgt	Ion:264	Resp:	186095
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

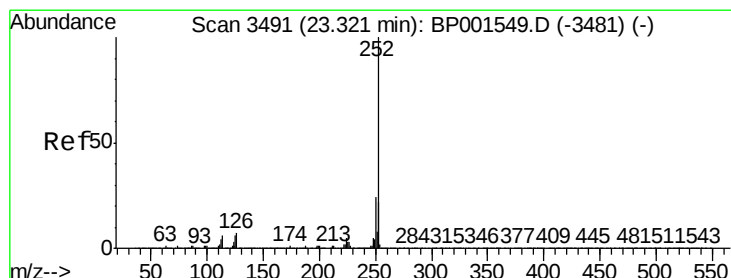
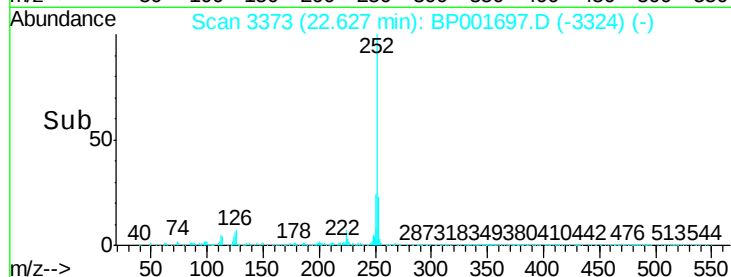
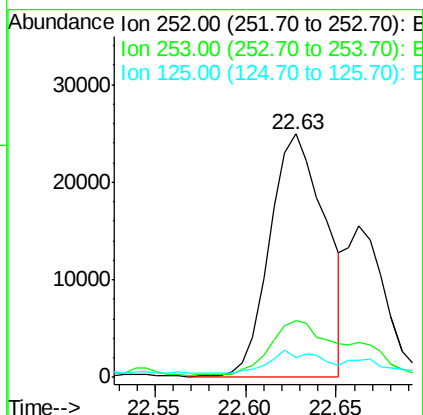
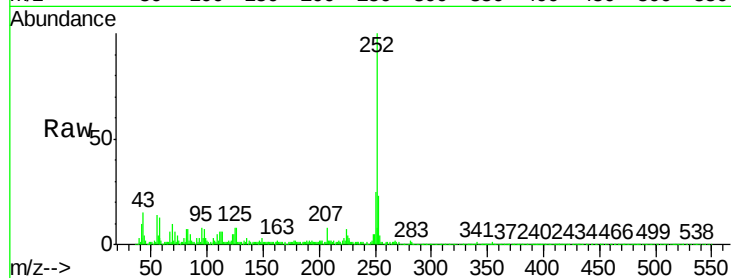
Instrument :

BNA_P

ClientSampleId :

20200066-AMENDED-COMP-4RX

Tot Ion:252	Resp:	53110
Ion Ratio	Lower	Upper
252	100	
253	23.1	17.6 26.4
125	8.3	4.6 7.0#



#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#

