

Data File : BP001621.D
Acq On : 15 Jan 2020 21:54
Operator : JU
Sample : L1005-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HR-05-011420

Quant Time: Jan 16 06:03:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 14 21:52:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	41339	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	148586	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	98772	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	229326	20.00	ng	0.00
76) Chrysene-d12	21.15	240	215257	20.00	ng	0.00
87) Perylene-d12	23.38	264	221653	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	195664	92.72	ng	0.00
7) Phenol-d6	6.83	99	278738	82.65	ng	0.00
23) Nitrobenzene-d5	8.78	82	197159	57.98	ng	0.00
42) 2,4,6-Tribromophenol	15.78	330	111029	73.85	ng	-0.01
45) 2-Fluorobiphenyl	12.90	172	396697	59.05	ng	0.00
79) Terphenyl-d14	19.63	244	660197	56.10	ng	0.00

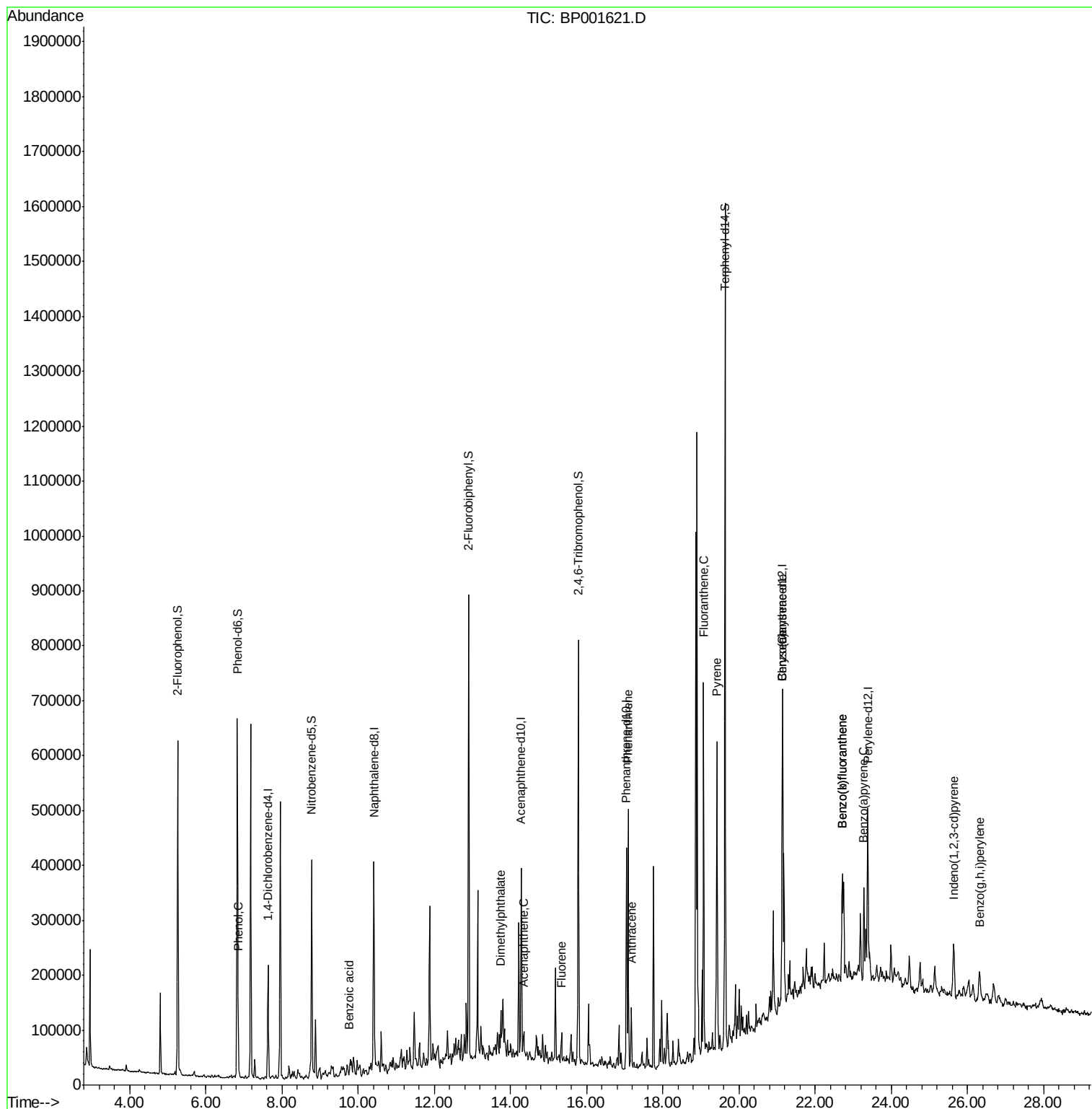
Target Compounds				Qvalue		
10) Phenol	6.85	94	7672	2.199	ng	81
32) Benzoic acid	9.76	122	47	4.727	ng	# 1
50) Dimethylphthalate	13.75	163	37833	4.650	ng	99
52) Acenaphthene	14.35	154	11649	2.073	ng	94
58) Fluorene	15.34	166	20761	2.700	ng	# 99
71) Phenanthrene	17.09	178	257545	20.651	ng	99
72) Anthracene	17.17	178	58209	4.794	ng	98
75) Fluoranthene	19.07	202	362660	22.100	ng	98
78) Pyrene	19.42	202	332544	21.031	ng	99
81) Benzo(a)anthracene	21.13	228	159087	10.612	ng	97
83) Chrysene	21.13	228	159087	10.889	ng	97
86) Indeno(1,2,3-cd)pyrene	25.63	276	69966	4.091	ng	99
88) Benzo(b)fluoranthene	22.72	252	217030	15.538	ng	# 96
89) Benzo(k)fluoranthene	22.72	252	217030	15.937	ng	# 97
90) Benzo(a)pyrene	23.29	252	126712	9.555	ng	98
92) Benzo(g,h,i)perylene	26.32	276	70133	5.156	ng	97

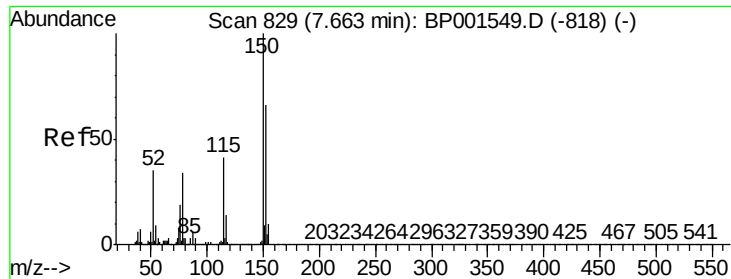
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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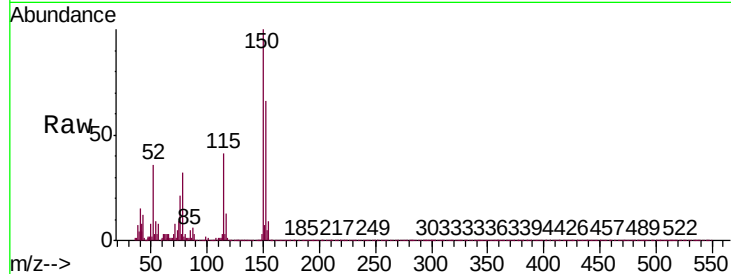


#1

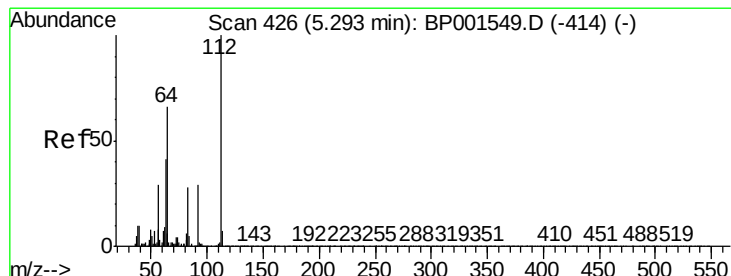
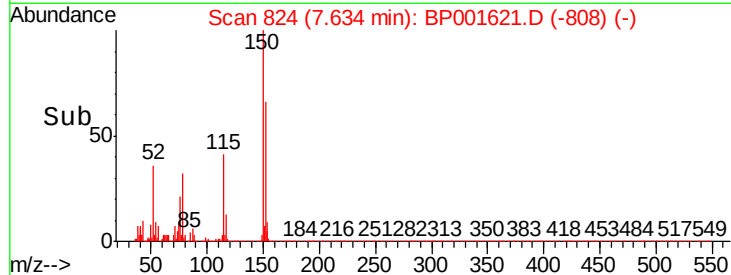
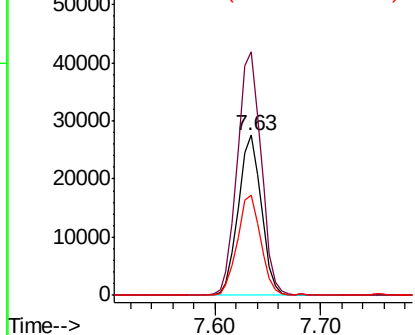
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Instrument :
BNA_P
ClientSampleId :
HR-05-011420

Tgt Ion:152 Resp: 41339
Ion Ratio Lower Upper
152 100
150 151.9 122.0 183.0
115 62.5 50.7 76.1



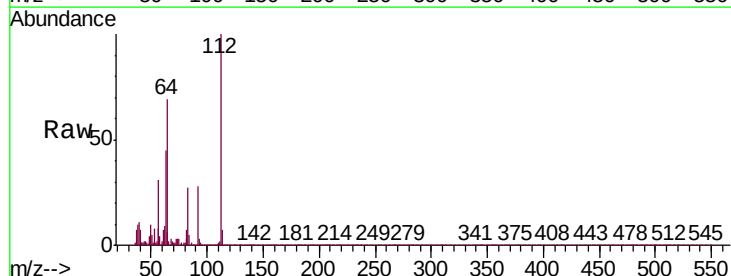
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



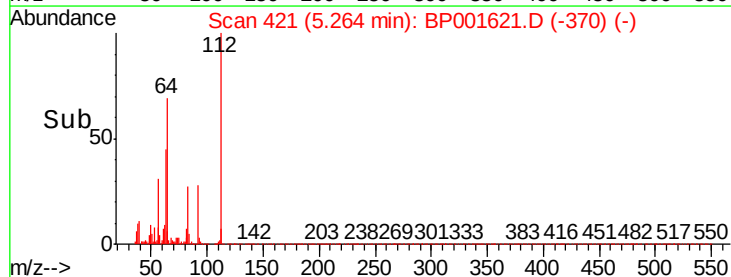
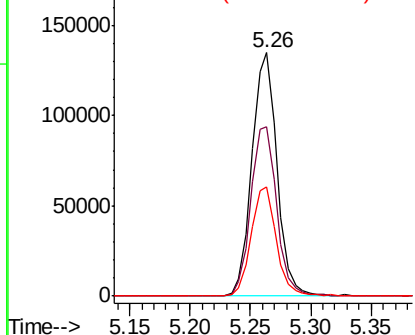
#5

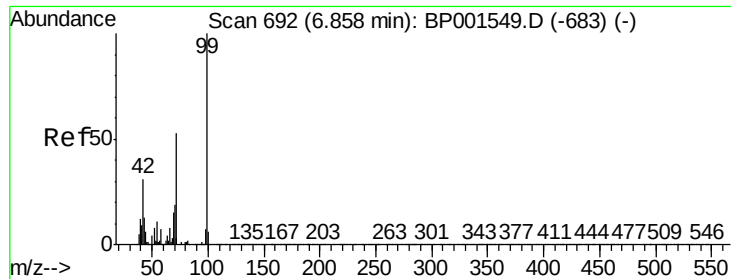
2-Fluorophenol
Concen: 92.718 ng
RT: 5.26 min Scan# 421
Delta R.T. 0.00 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Tgt Ion:112 Resp: 195664
Ion Ratio Lower Upper
112 100
64 69.5 52.8 79.2
63 44.8 33.1 49.7



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: 82.646 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

Instrument :

BNA_P

ClientSampleId :

HR-05-011420

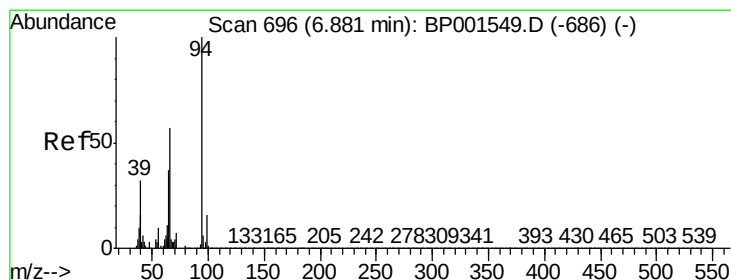
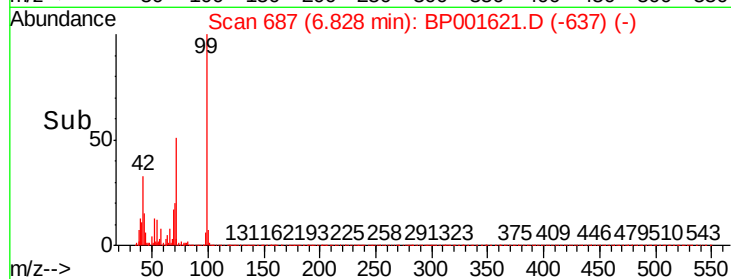
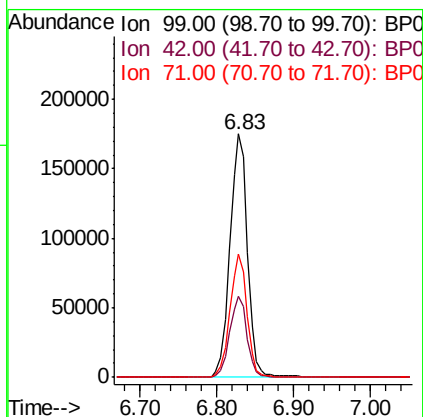
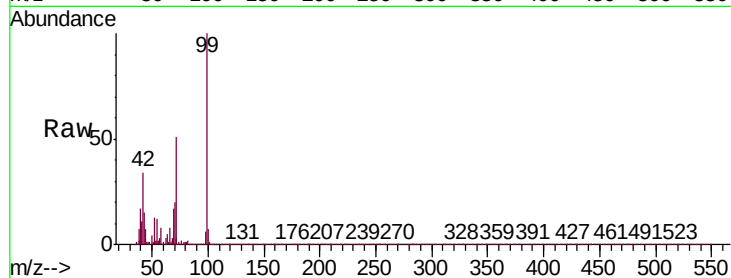
Tgt Ion: 99 Resp: 278738

Ion Ratio Lower Upper

99 100

42 33.5 24.5 36.7

71 50.9 42.4 63.6



#10

Phenol

Concen: 2.199 ng

RT: 6.85 min Scan# 691

Delta R.T. -0.01 min

Lab File: BP001621.D

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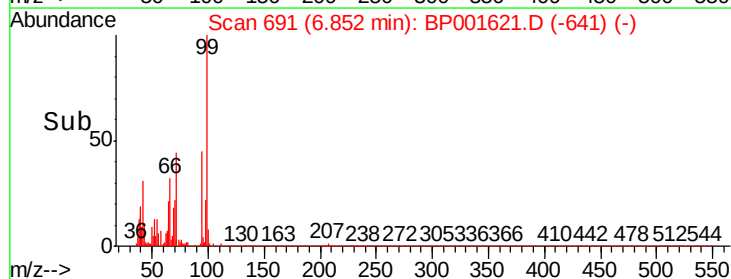
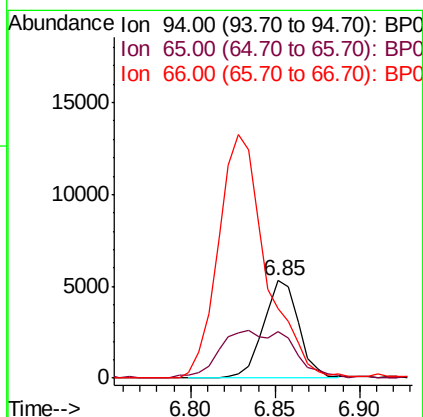
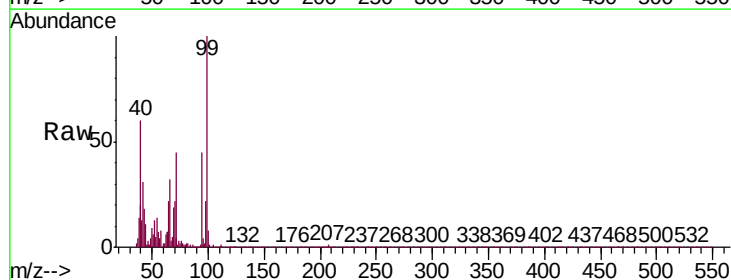
Tgt Ion: 94 Resp: 7672

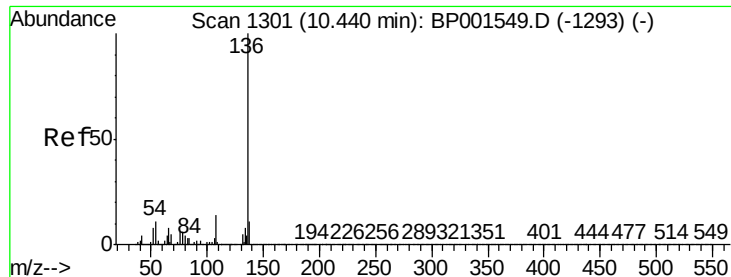
Ion Ratio Lower Upper

94 100

65 47.8 17.5 57.5

66 71.5 36.7 76.7

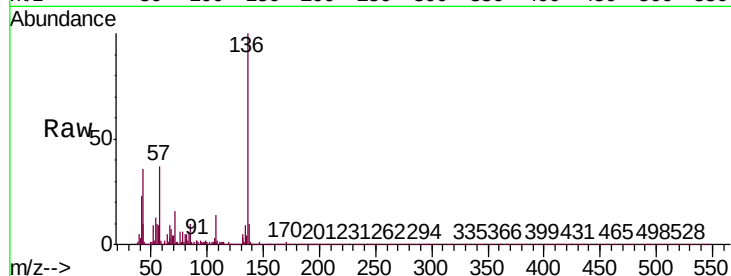




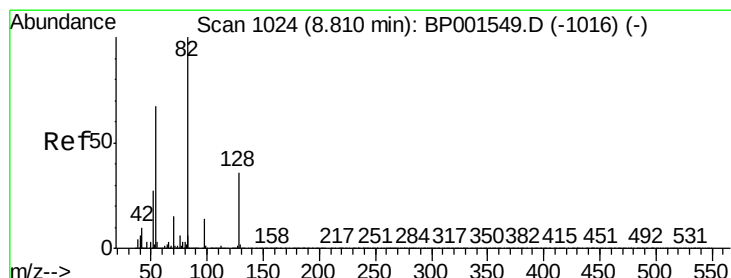
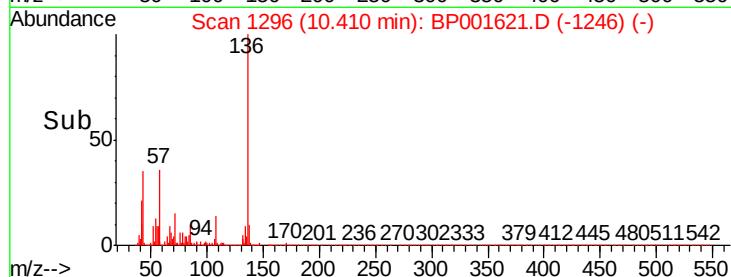
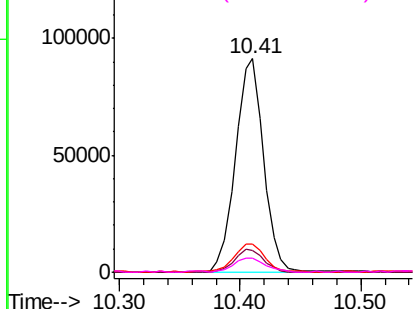
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.41 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Instrument :
BNA_P
ClientSampleId :
HR-05-011420

Tgt Ion:	136	Resp:	148586
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.6	12.8
54	12.9	9.2	13.8
68	6.6	4.1	6.1#

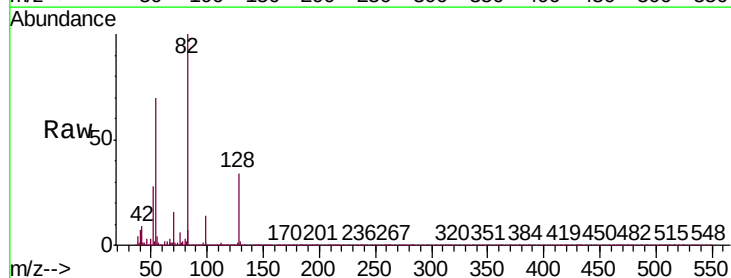


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

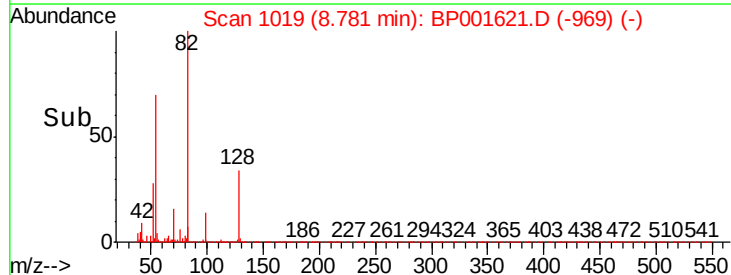
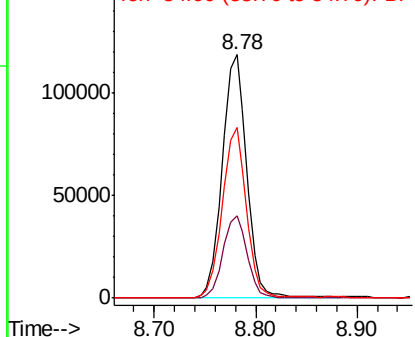


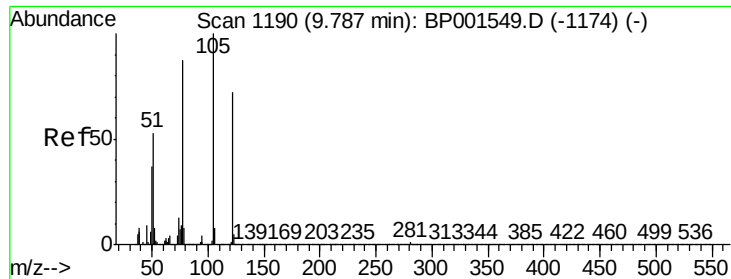
#23
Nitrobenzene-d5
Concen: 57.982 ng
RT: 8.78 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BP001621.D
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Tgt Ion:	82	Resp:	197159
Ion	Ratio	Lower	Upper
82	100		
128	34.0	28.4	42.6
54	70.3	53.4	80.2



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BP0

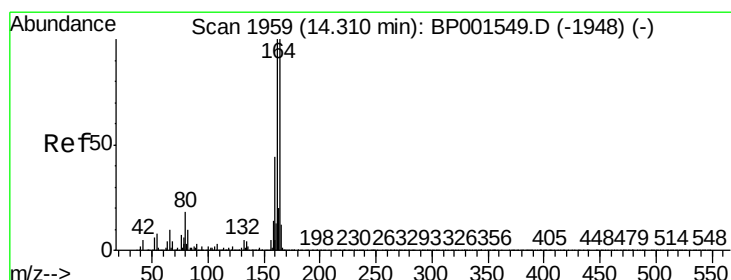
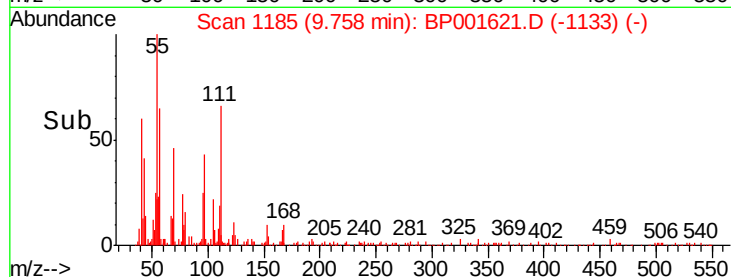
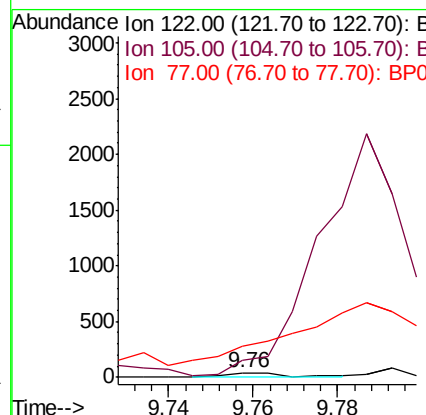
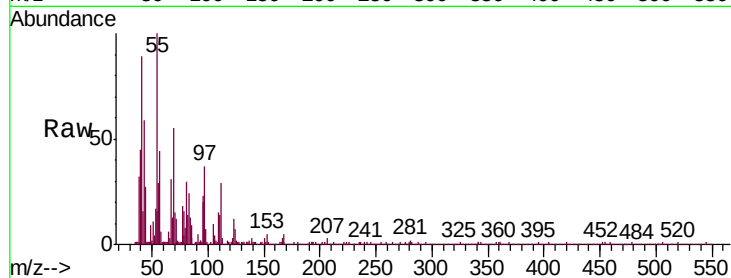




#32
Benzoic acid
Concen: 4.727 ng
RT: 9.76 min Scan# 1185
Delta R.T. 0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

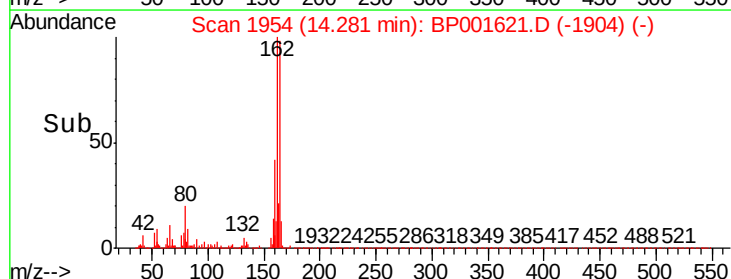
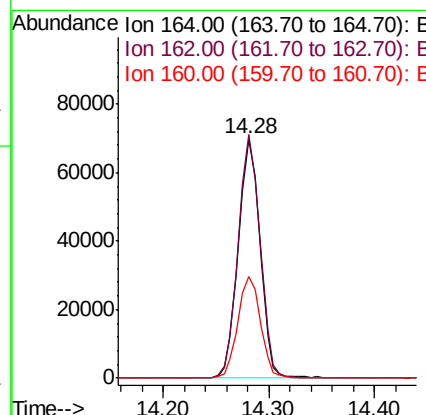
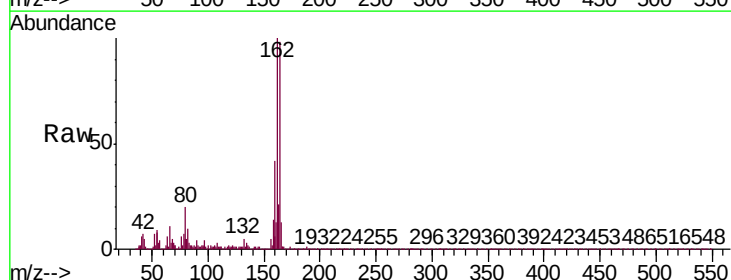
Instrument :
BNA_P
ClientSampleId :
HR-05-011420

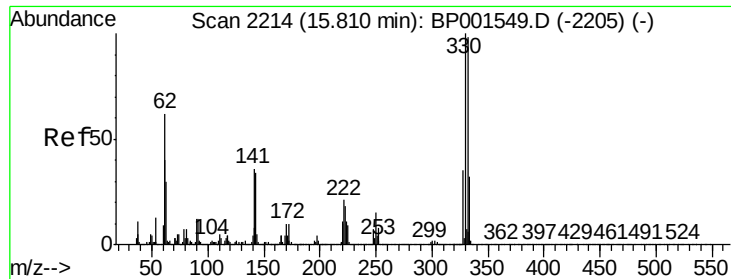
Tgt Ion	Ratio	Lower	Upper
122	100		
105	392.5	119.5	159.5#
77	692.5	102.8	142.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.28 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	79.8	119.6
160	42.6	35.0	52.6

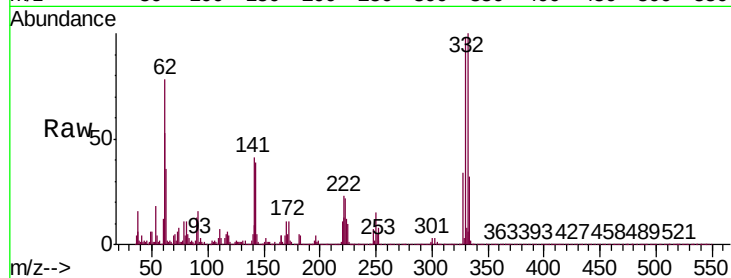




#42
 2,4,6-Tribromophenol
 Concen: 73.847 ng
 RT: 15.78 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: BP001621.D
 Acq: 15 Jan 2020 21:54

Instrument :
 BNA_P
 ClientSampleId :
 HR-05-011420

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.8	116.6
141	38.9	28.7	43.1

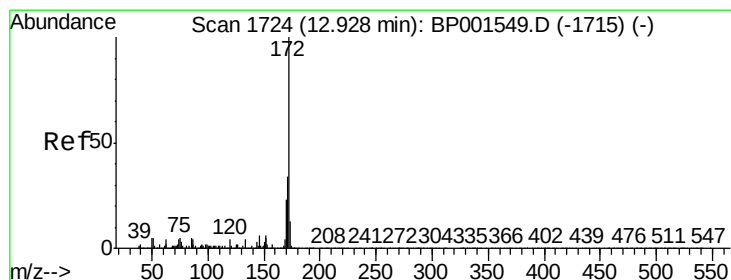
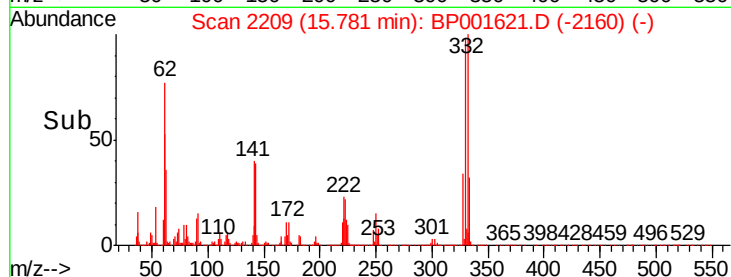
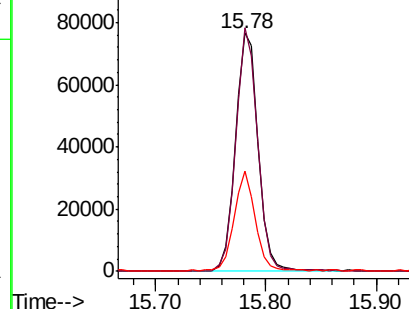


Abundance

Ion 329.80 (329.50 to 330.50): E

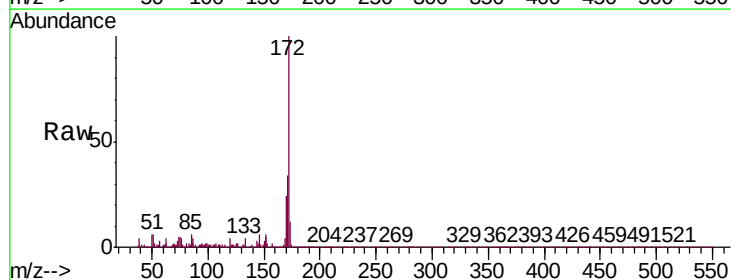
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 59.050 ng
 RT: 12.90 min Scan# 1719
 Delta R.T. -0.01 min
 Lab File: BP001621.D
 Acq: 15 Jan 2020 21:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	27.6	41.4
170	24.1	18.3	27.5

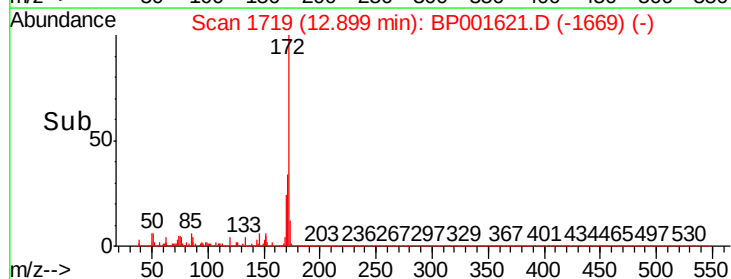
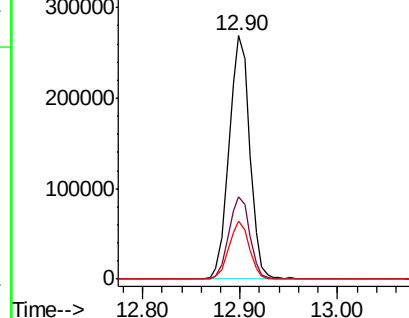


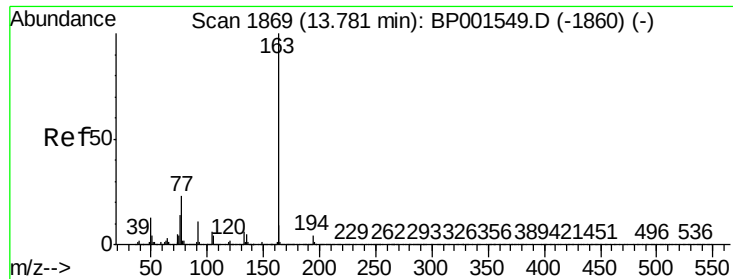
Abundance

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: 4.650 ng

RT: 13.75 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BP001621.D

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Instrument :

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ClientSampleId :

HR-05-011420

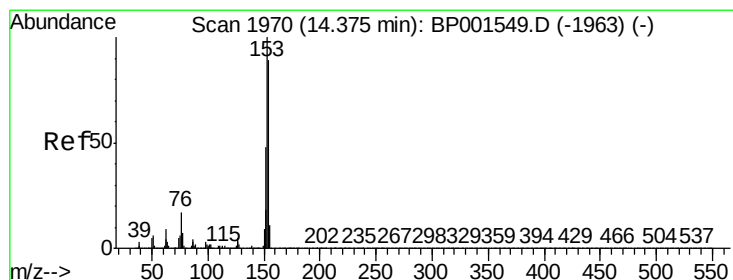
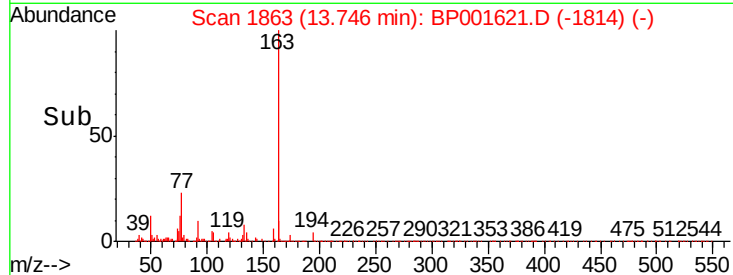
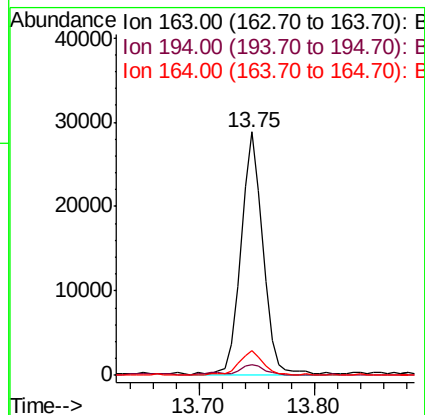
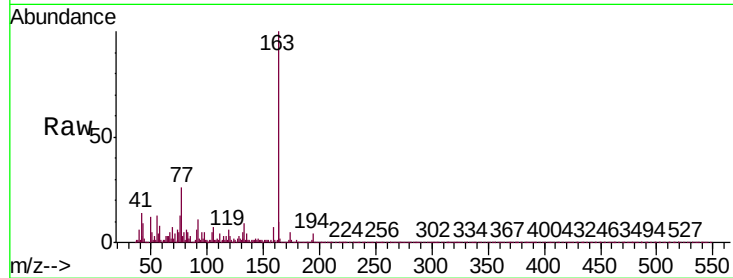
Tgt Ion:163 Resp: 37833

Ion Ratio Lower Upper

163 100

194 4.4 3.6 5.4

164 10.0 7.5 11.3



#52

Acenaphthene

Concen: 2.073 ng

RT: 14.35 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

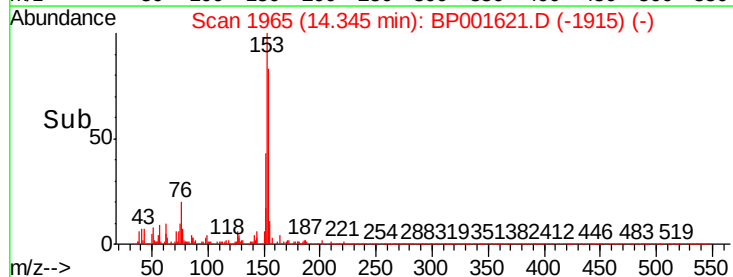
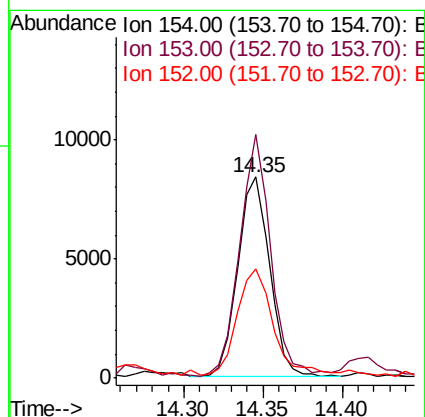
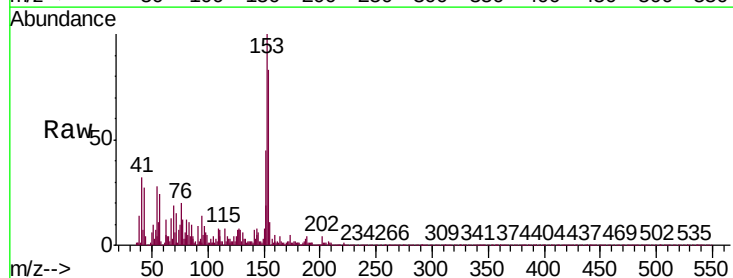
Tgt Ion:154 Resp: 11649

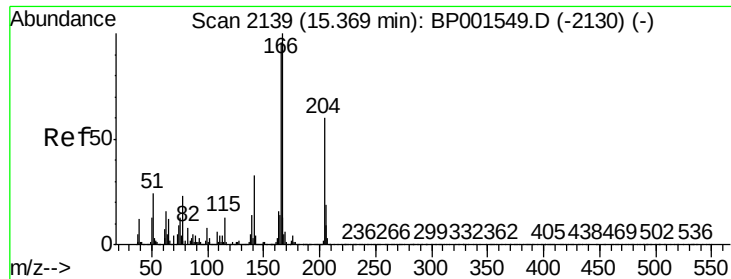
Ion Ratio Lower Upper

154 100

153 121.1 89.4 134.2

152 54.3 42.6 64.0

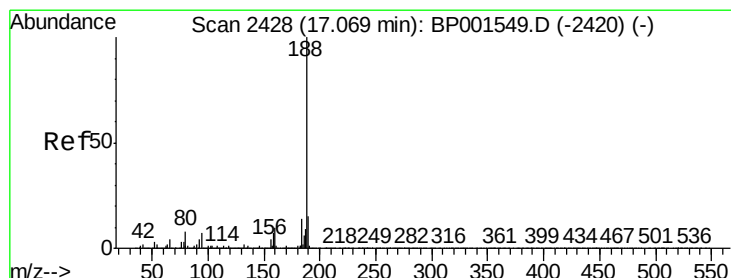
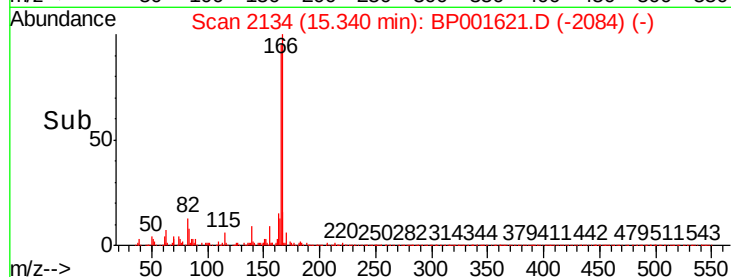
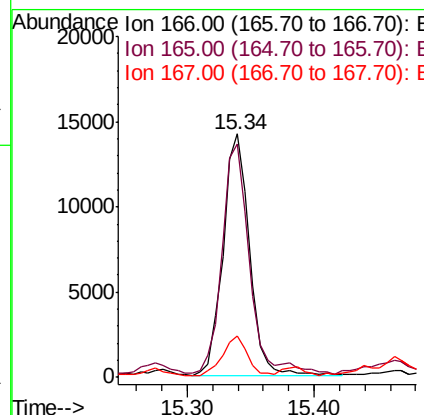
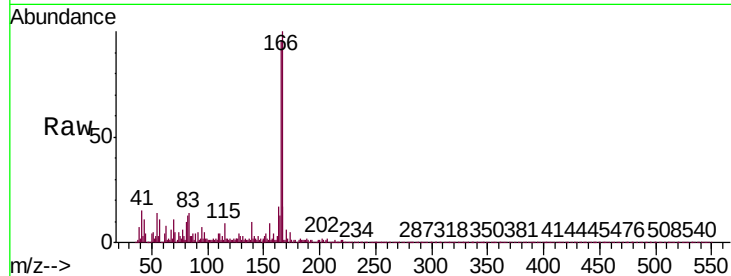




#58
 Fluorene
 Concen: 2.700 ng
 RT: 15.34 min Scan# 2134
 Delta R.T. -0.01 min
 Lab File: BP001621.D
 Acq: 15 Jan 2020 21:54

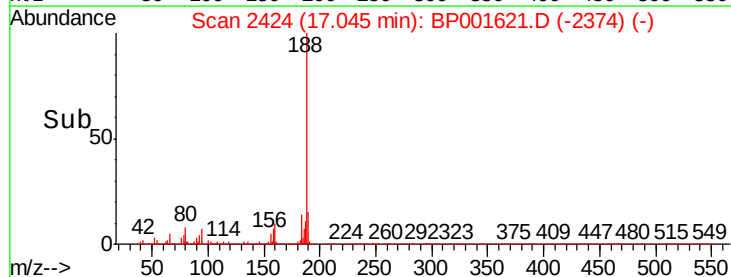
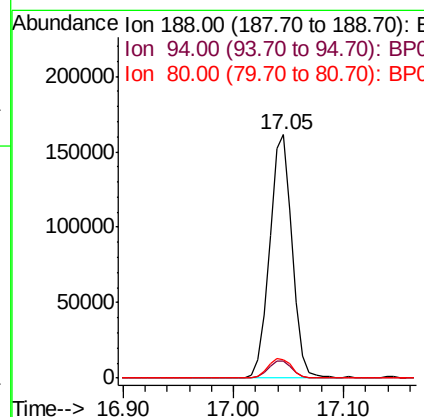
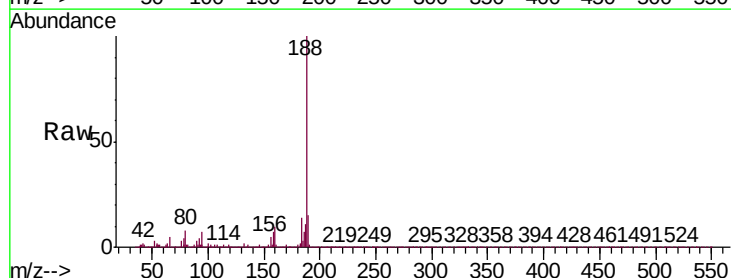
Instrument :
 BNA_P
 ClientSampleId :
 HR-05-011420

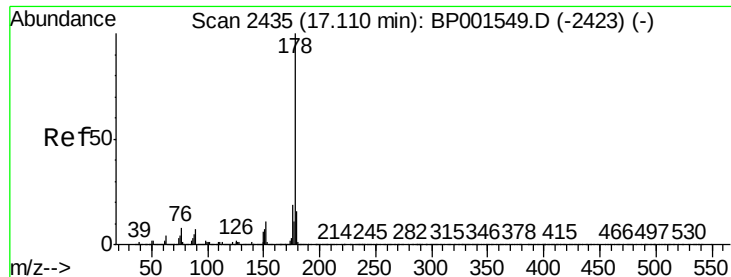
Tgt Ion:166 Resp: 20761
 Ion Ratio Lower Upper
 166 100
 165 95.8 76.9 115.3
 167 16.8 10.3 15.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.05 min Scan# 2424
 Delta R.T. -0.01 min
 Lab File: BP001621.D
 Acq: 15 Jan 2020 21:54

Tgt Ion:188 Resp: 229326
 Ion Ratio Lower Upper
 188 100
 94 8.0 5.9 8.9
 80 7.7 6.8 10.2





#71

Phenanthrene

Concen: 20.651 ng

RT: 17.09 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

Instrument :

BNA_P

ClientSampleId :

HR-05-011420

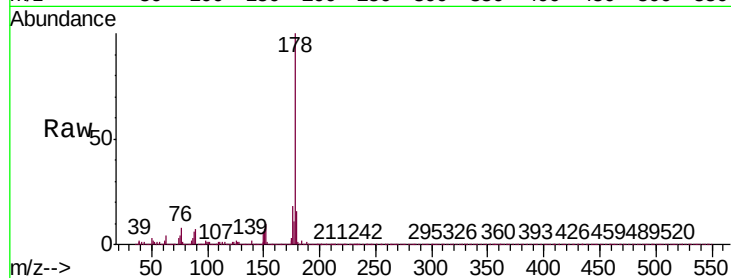
Tgt Ion:178 Resp: 257545

Ion Ratio Lower Upper

178 100

176 18.2 14.9 22.3

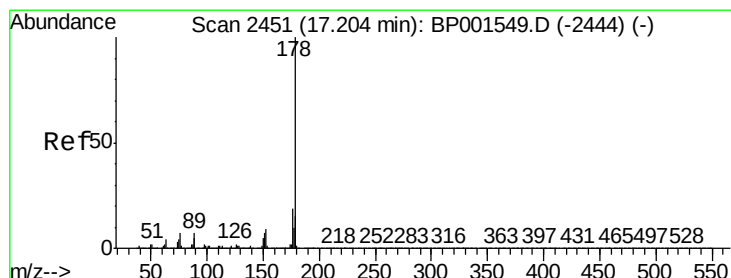
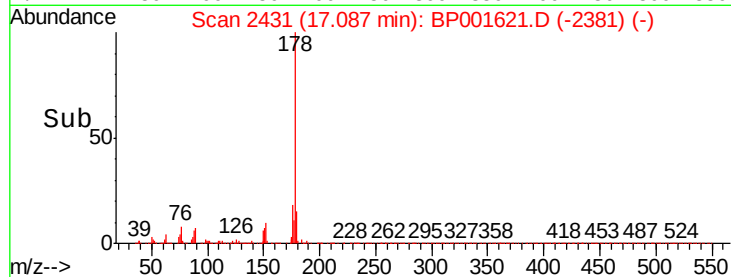
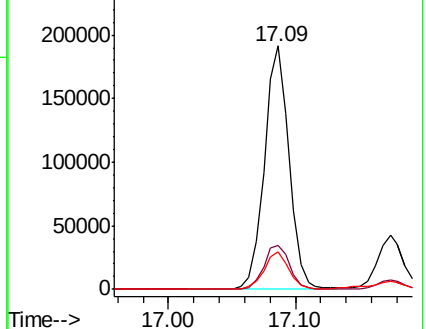
179 15.6 12.5 18.7



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: 4.794 ng

RT: 17.17 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

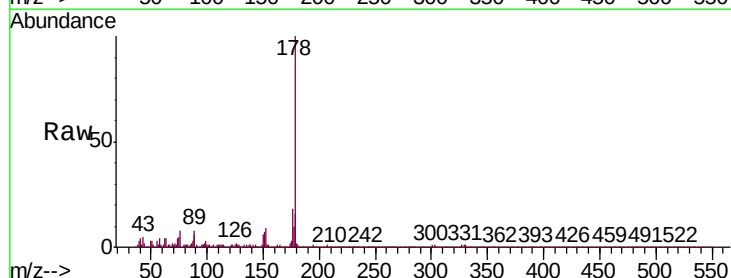
Tgt Ion:178 Resp: 58209

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.6

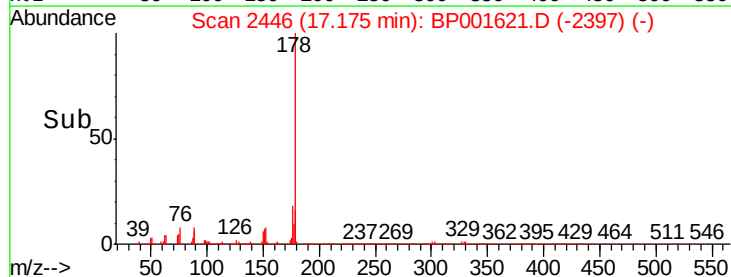
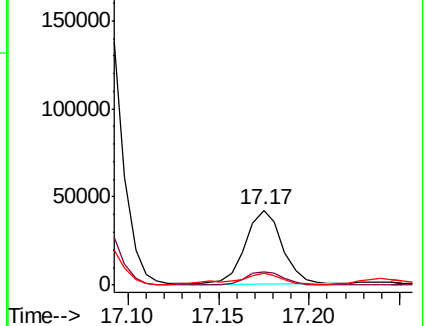
179 16.2 11.8 17.8

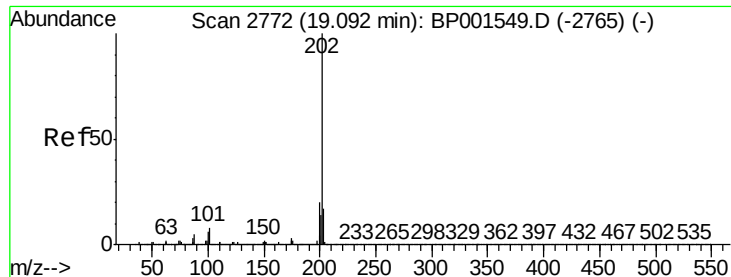


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 22.100 ng

RT: 19.07 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

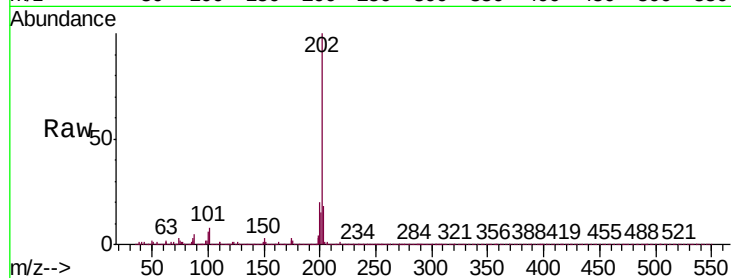
Instrument :

BNA_P

ClientSampleId :

HR-05-011420

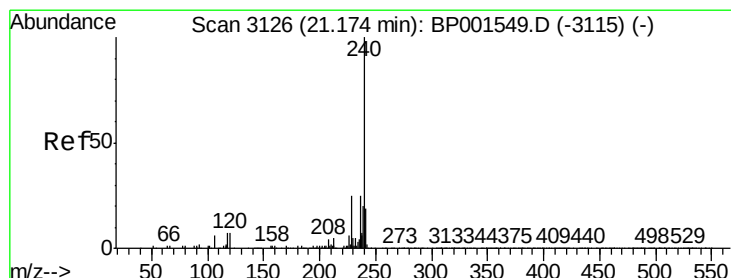
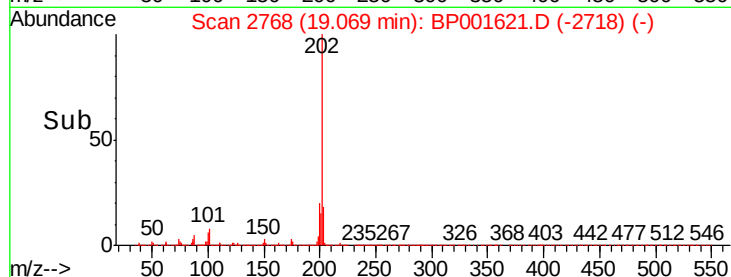
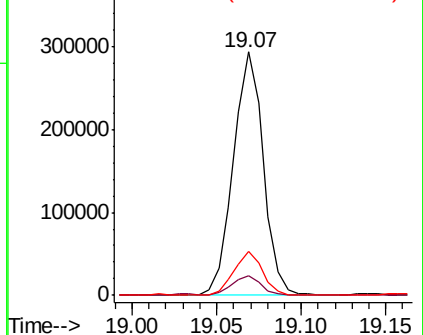
Tgt Ion:	202	Resp:	362660
Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	28.4
203	18.1	0.0	37.4



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

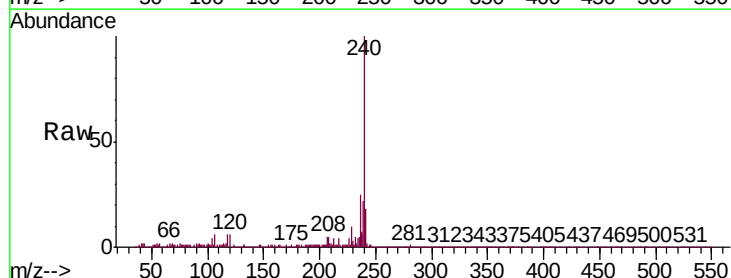
RT: 21.15 min Scan# 3122

Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

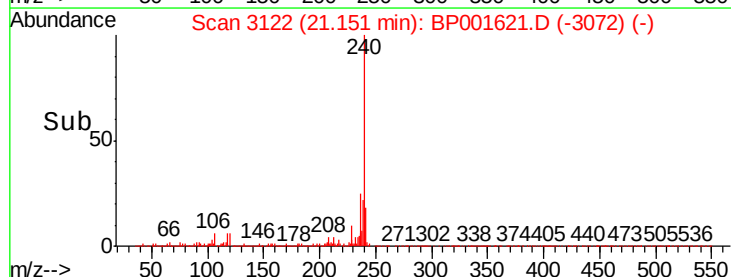
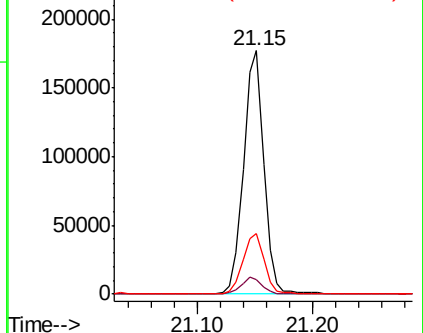
Tgt Ion:	240	Resp:	215257
Ion	Ratio	Lower	Upper
240	100		
120	5.9	5.7	8.5
236	24.9	20.4	30.6

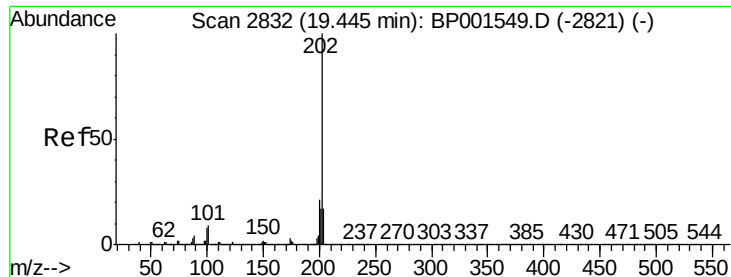


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 21.031 ng

RT: 19.42 min Scan# 2828

Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

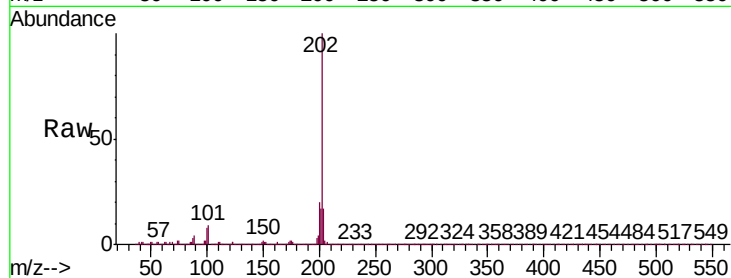
Instrument :

BNA_P

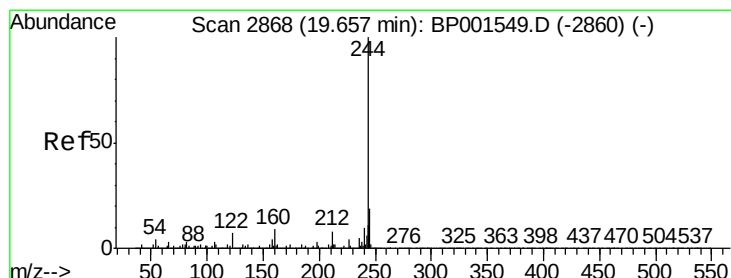
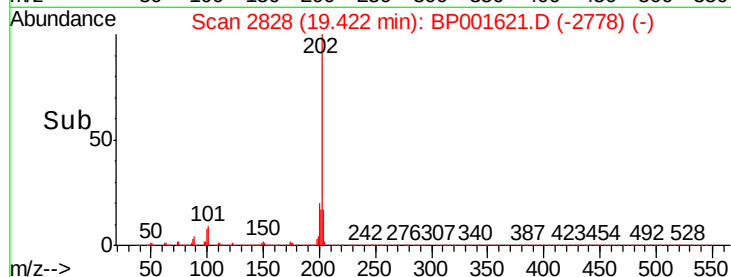
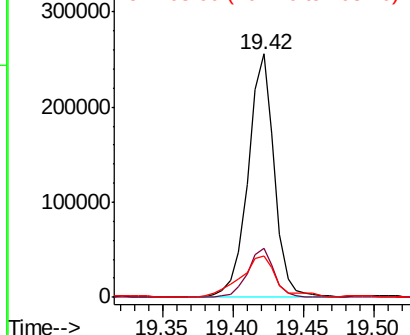
ClientSampleId :

HR-05-011420

Tgt Ion:	202	Resp:	332544
Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.6
203	16.8	13.7	20.5



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: 56.097 ng

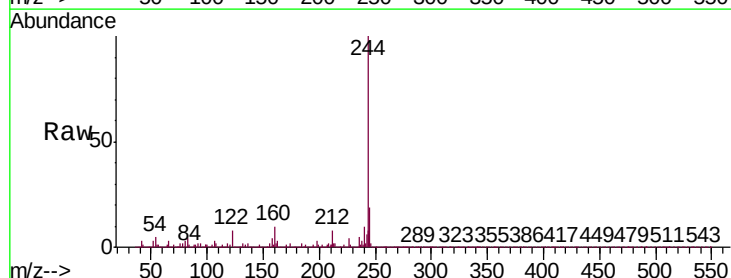
RT: 19.63 min Scan# 2864

Delta R.T. -0.01 min

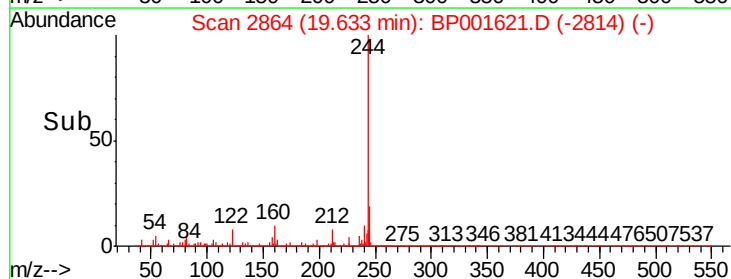
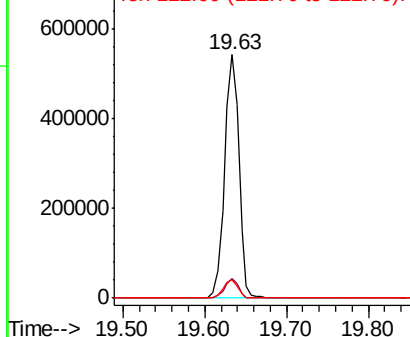
Lab File: BP001621.D

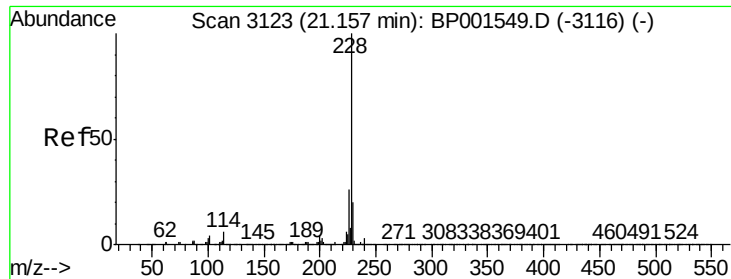
Acq: 15 Jan 2020 21:54

Tgt Ion:	244	Resp:	660197
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.3	9.5
122	7.6	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: 10.612 ng

RT: 21.13 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

Instrument :

BNA_P

ClientSampleId :

HR-05-011420

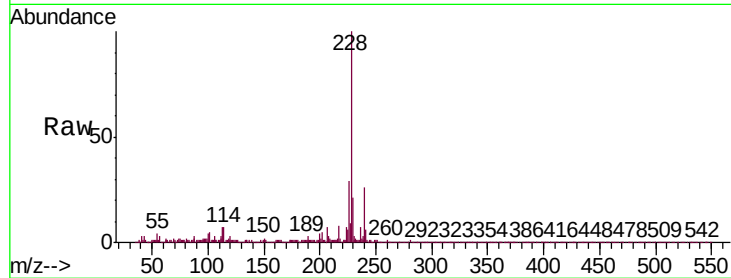
Tgt Ion:228 Resp: 159087

Ion Ratio Lower Upper

228 100

226 28.5 21.2 31.8

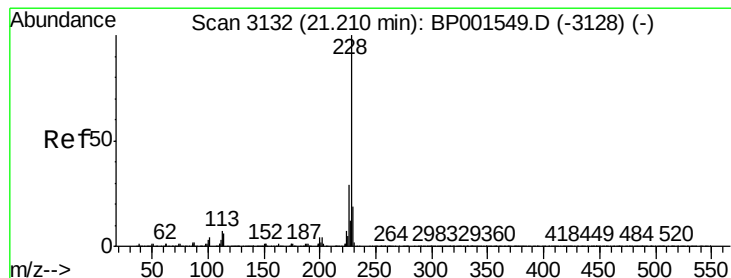
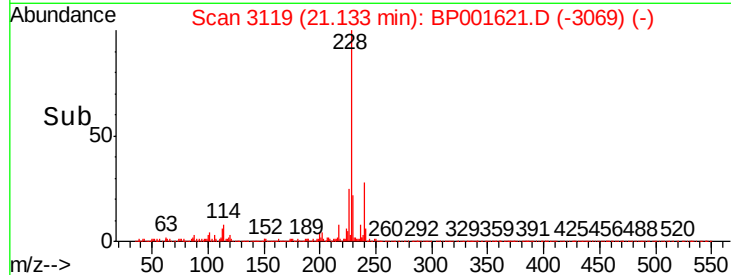
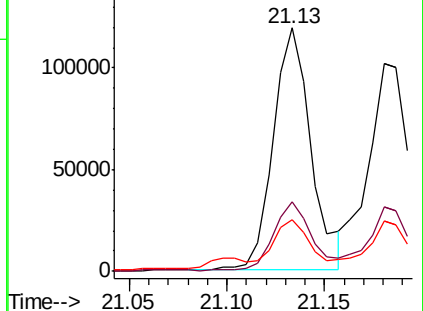
229 21.3 16.1 24.1



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: 10.889 ng

RT: 21.13 min Scan# 3119

Delta R.T. -0.06 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

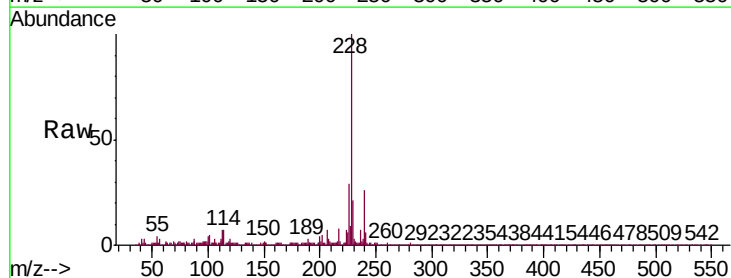
Tgt Ion:228 Resp: 159087

Ion Ratio Lower Upper

228 100

226 28.5 23.2 34.8

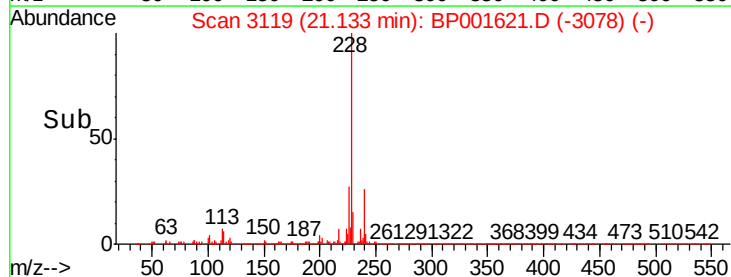
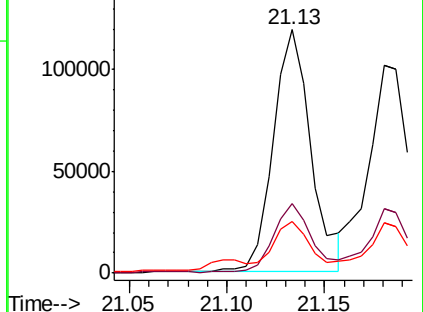
229 21.3 15.2 22.8

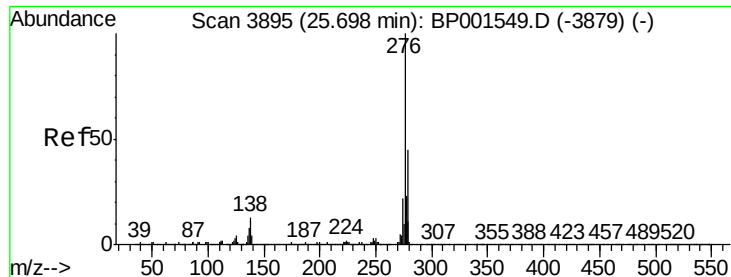


Abundance Ion 228.00 (227.70 to 228.70): E

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: 4.091 ng

RT: 25.63 min Scan# 3884

Delta R.T. -0.02 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

Instrument :

BNA_P

ClientSampleId :

HR-05-011420

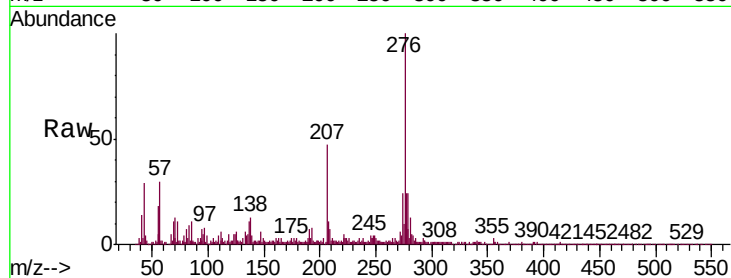
Tgt Ion:276 Resp: 69966

Ion Ratio Lower Upper

276 100

138 13.6 11.1 16.7

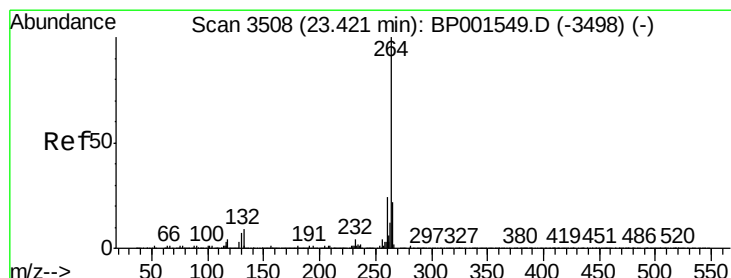
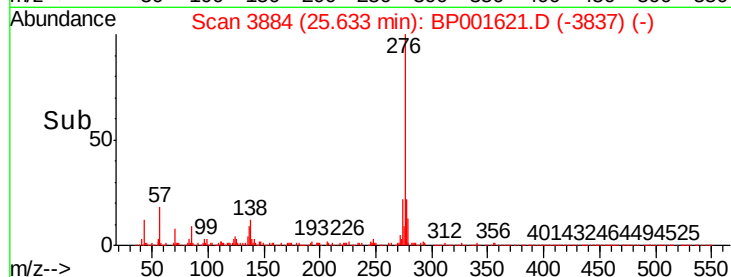
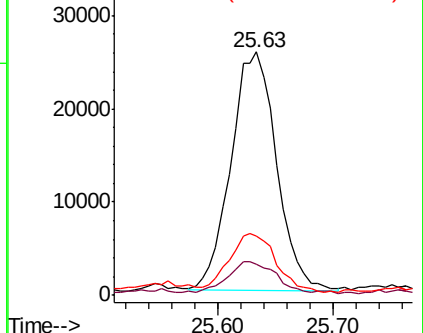
277 25.9 20.4 30.6



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

Perylene-d12

Concen: 20.000 ng

RT: 23.38 min Scan# 3501

Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

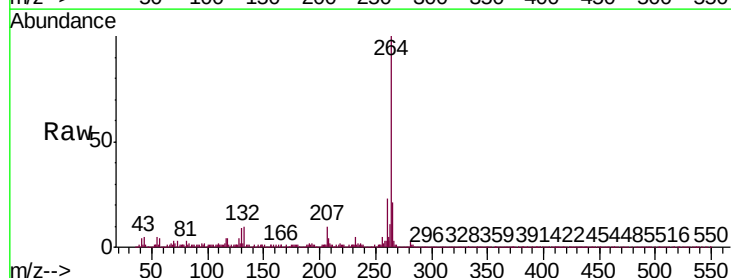
Tgt Ion:264 Resp: 221653

Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.6

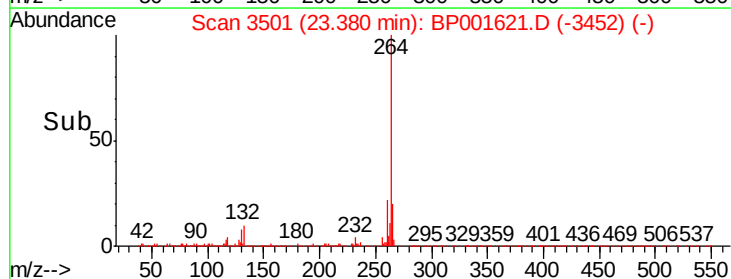
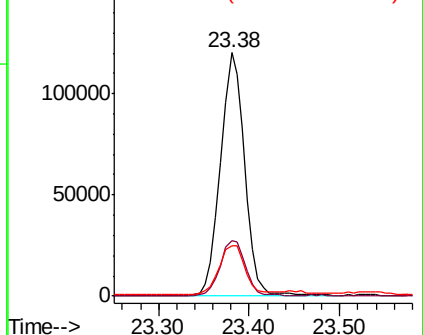
265 20.9 18.2 27.4

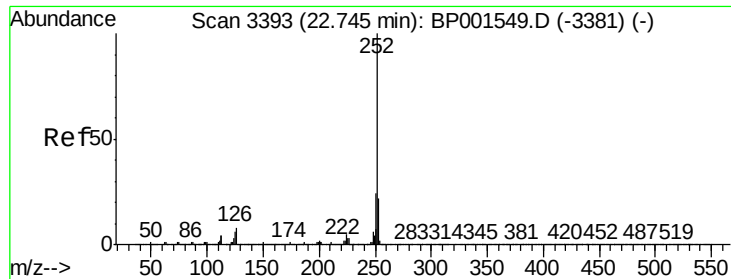


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

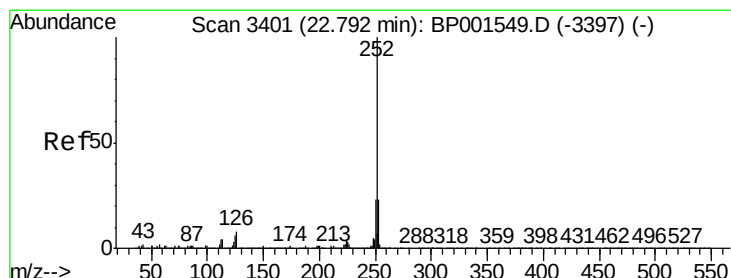
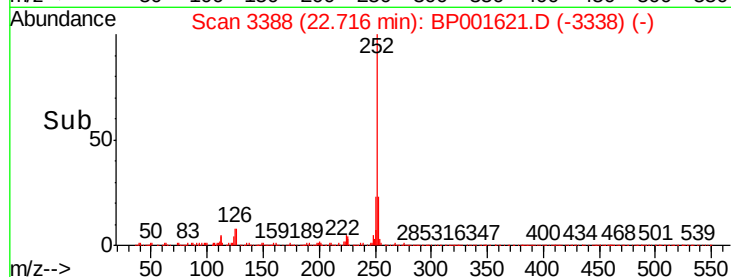
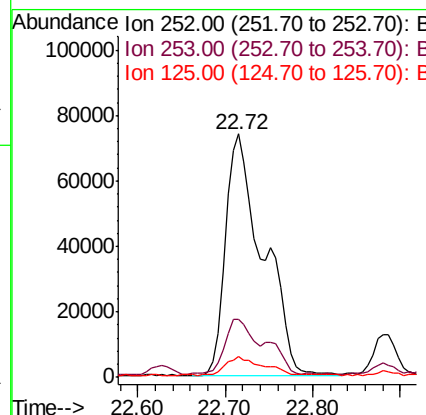
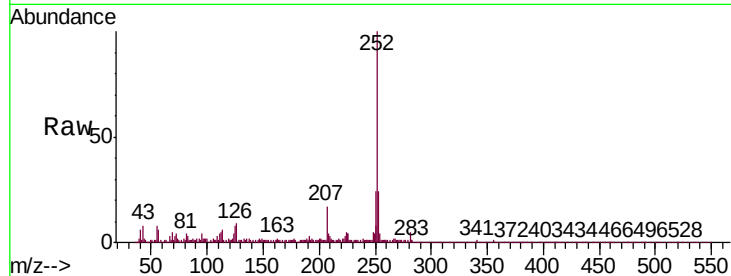




#88
Benzo(b)fluoranthene
Concen: 15.538 ng
RT: 22.72 min Scan# 3388
Delta R.T. -0.01 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

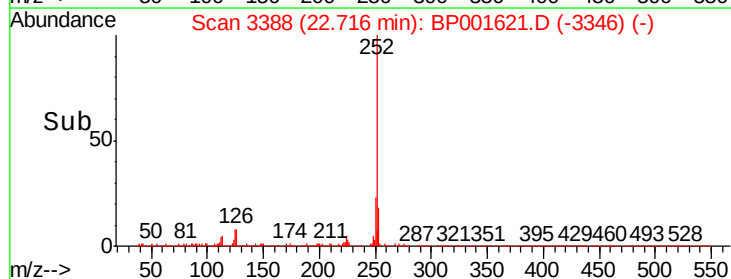
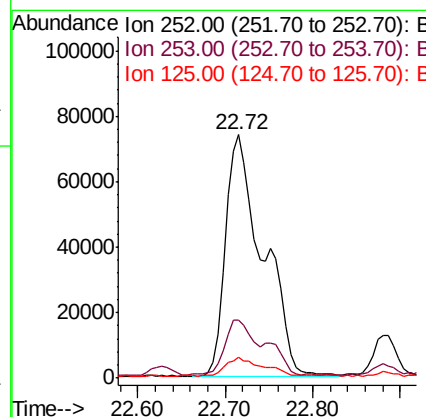
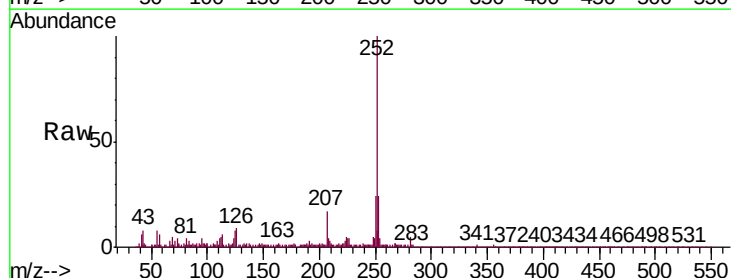
Instrument :
BNA_P
ClientSampleId :
HR-05-011420

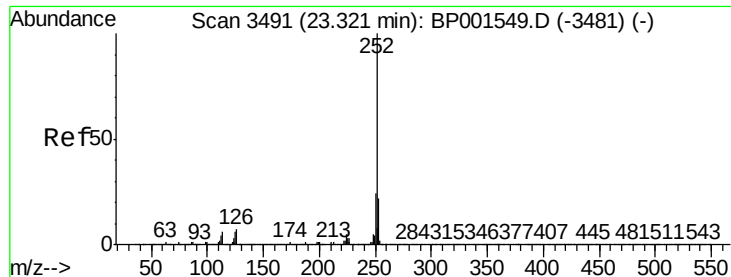
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.6	26.4
125	8.5	4.6	7.0



#89
Benzo(k)fluoranthene
Concen: 15.937 ng
RT: 22.72 min Scan# 3388
Delta R.T. -0.05 min
Lab File: BP001621.D
Acq: 15 Jan 2020 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	8.5	4.6	6.8





#90

Benzo(a)pyrene

Concen: 9.555 ng

RT: 23.29 min Scan# 3485

Delta R.T. -0.01 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

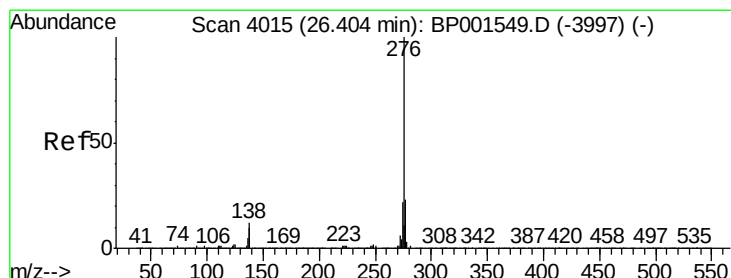
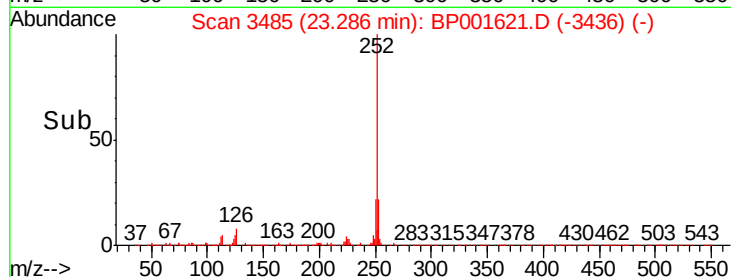
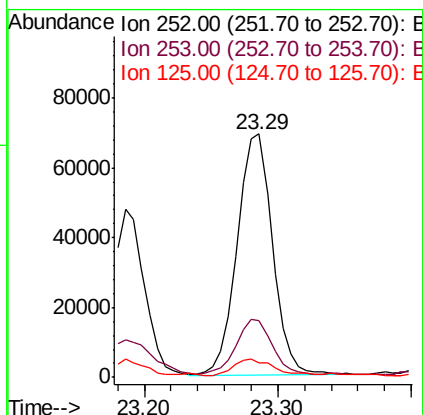
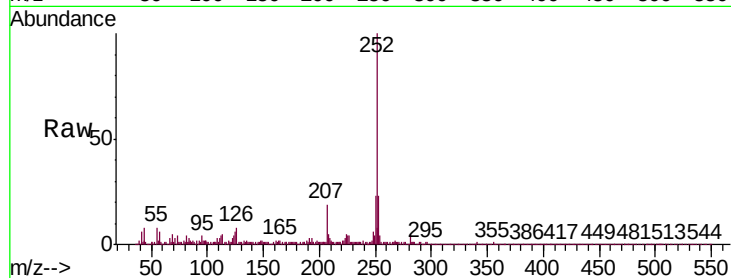
Instrument :

BNA_P

ClientSampleId :

HR-05-011420

Tgt Ion:	252	Resp:	126712
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.6	26.4
125	6.1	5.0	7.4



#92

Benzo(g,h,i)perylene

Concen: 5.156 ng

RT: 26.32 min Scan# 4001

Delta R.T. -0.02 min

Lab File: BP001621.D

Acq: 15 Jan 2020 21:54

Tgt Ion:	276	Resp:	70133
Ion Ratio	Lower	Upper	
276	100		
277	22.5	18.6	28.0
138	13.4	9.4	14.2

