

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
 Data File : BP002782.D
 Acq On : 16 Jul 2020 20:45
 Operator : CG/JU
 Sample : L3184-07 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-01-071520

Quant Time: Jul 17 00:30:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

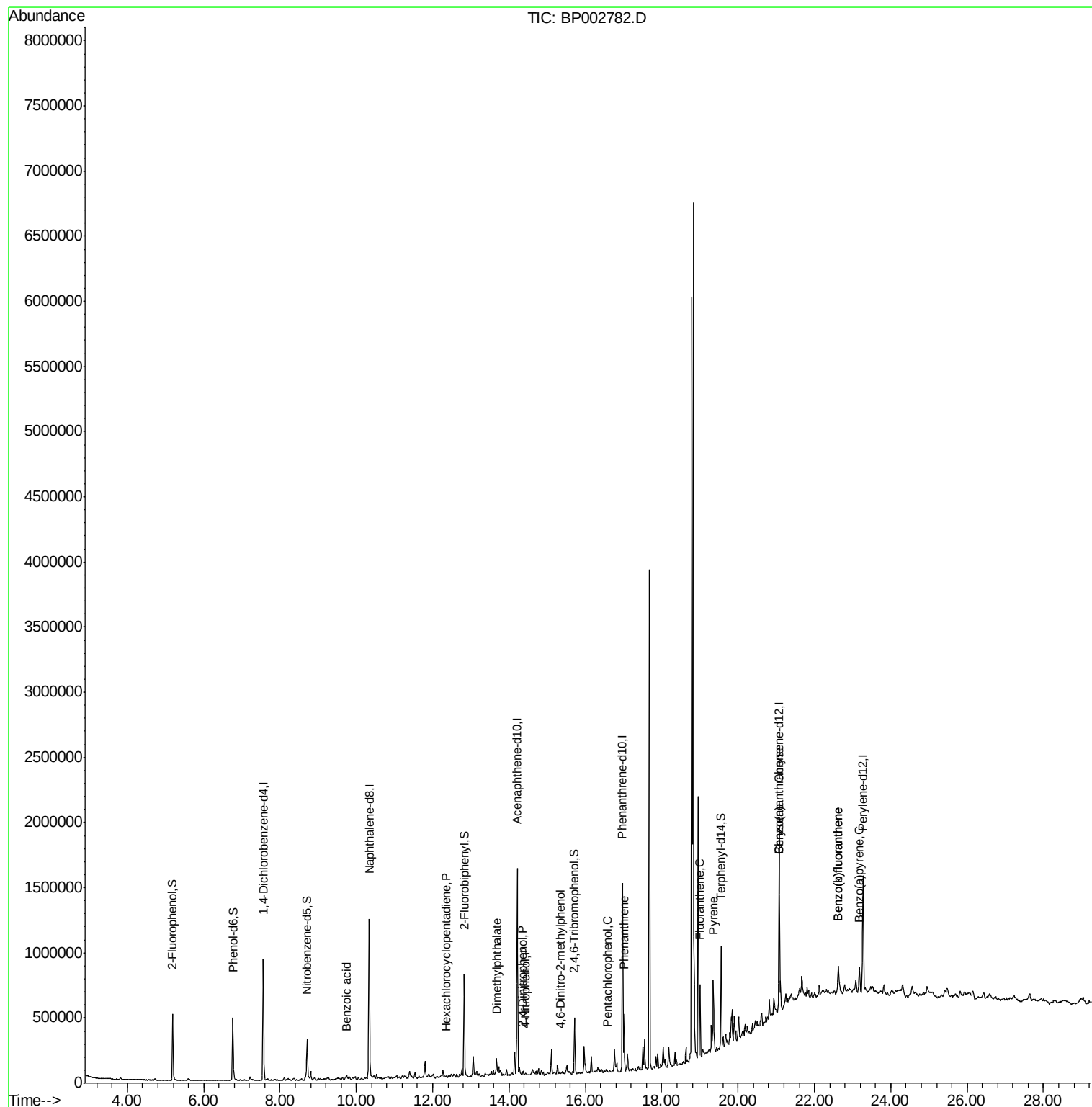
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	249715	20.00	ng	0.01
21) Naphthalene-d8	10.33	136	982842	20.00	ng	0.00
39) Acenaphthene-d10	14.21	164	535845	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	876908	20.00	ng	0.00
76) Chrysene-d12	21.08	240	611248	20.00	ng	0.00
86) Perylene-d12	23.27	264	629162	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	225441	15.23	ng	0.00
7) Phenol-d6	6.76	99	309501	14.65	ng	0.00
23) Nitrobenzene-d5	8.70	82	199028	10.83	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	72878	13.03	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	422328	12.19	ng	0.00
79) Terphenyl-d14	19.56	244	306691	11.50	ng	0.00
Target Compounds						
32) Benzoic acid	9.73	122	104	7.070	ng	# 1
41) Hexachlorocyclopentadiene	12.36	237	11	7.435	ng	# 28
50) Dimethylphthalate	13.67	163	82982	2.031	ng	99
54) 2,4-Dinitrophenol	14.36	184	157	11.402	ng	# 1
56) 4-Nitrophenol	14.43	139	707	5.056	ng	# 35
65) 4,6-Dinitro-2-methylphenol	15.35	198	101	5.284	ng	# 1
70) Pentachlorophenol	16.59	266	71	7.455	ng	98
71) Phenanthrene	17.01	178	250196	5.270	ng	100
75) Fluoranthene	19.00	202	332491	6.044	ng	97
78) Pyrene	19.35	202	311548	7.382	ng	99
81) Benzo(a)anthracene	21.06	228	131074	3.313	ng	97
83) Chrysene	21.06	228	131074	3.480	ng	96
88) Benzo(b)fluoranthene	22.62	252	130063	3.329	ng	# 89
89) Benzo(k)fluoranthene	22.62	252	130063	3.380	ng	# 89
90) Benzo(a)pyrene	23.17	252	97882	2.644	ng	# 90

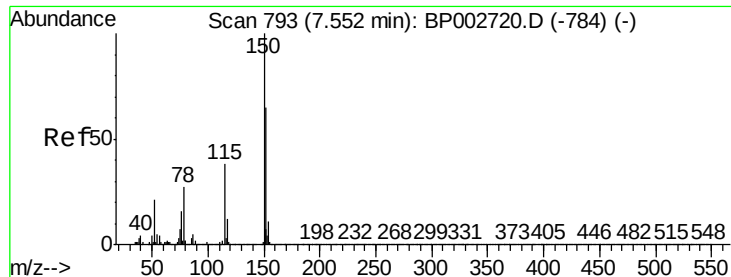
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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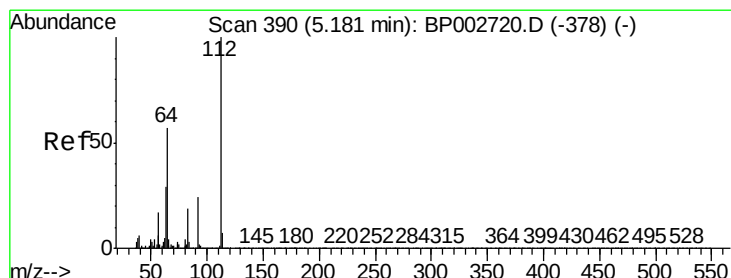
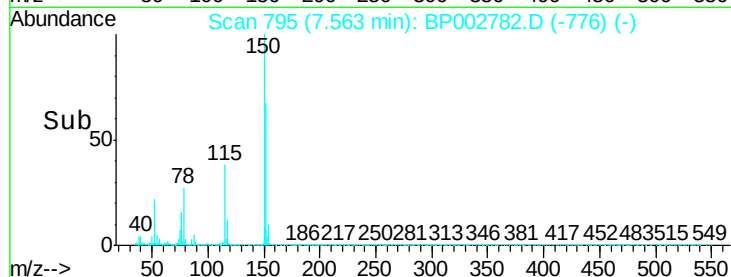
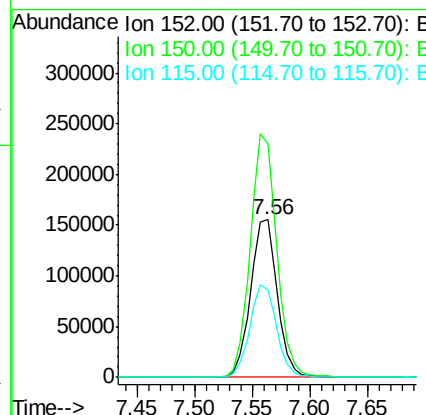
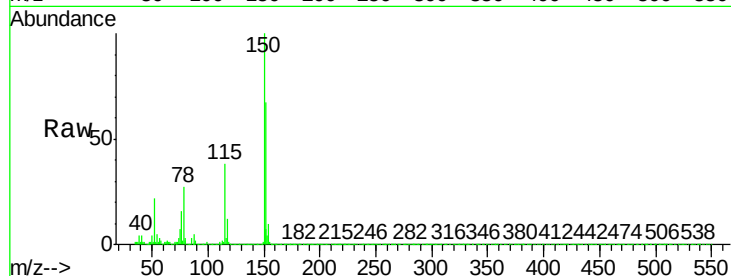


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 795
Delta R.T. 0.01 min
Lab File: BP002782.D
Acq: 16 Jul 2020 20:45

Instrument :
BNA_P
ClientSampleId :
EO-01-071520

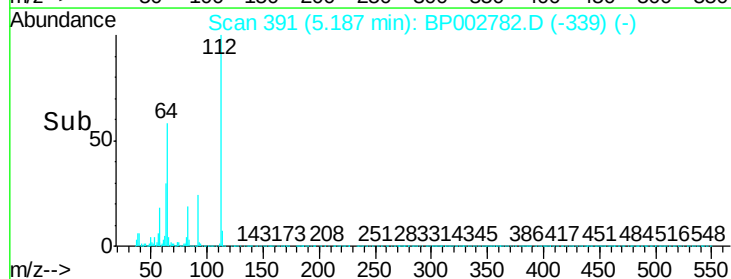
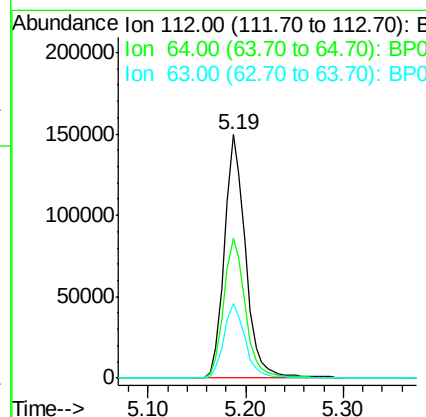
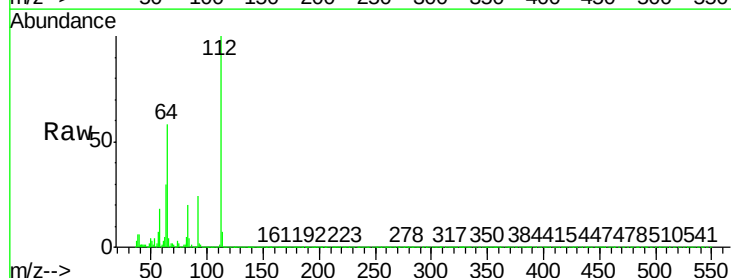
Tot Ion	Ratio	Lower	Upper
152	100		
150	148.3	123.7	185.5
115	55.9	47.2	70.8

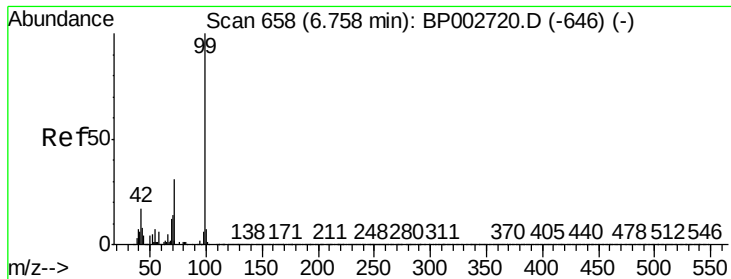


#5

2-Fluorophenol
Concen: 15.232 ng
RT: 5.19 min Scan# 391
Delta R.T. 0.01 min
Lab File: BP002782.D
Acq: 16 Jul 2020 20:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.6	68.4
63	30.4	23.5	35.3





#7

Phenol-d6

Concen: 14.652 ng

RT: 6.76 min Scan# 659

Delta R.T. 0.01 min

Lab File: BP002782.D

Acq: 16 Jul 2020 20:45

Instrument :

BNA_P

ClientSampleId :

EO-01-071520

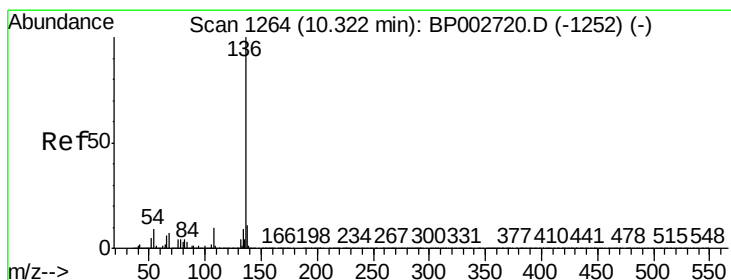
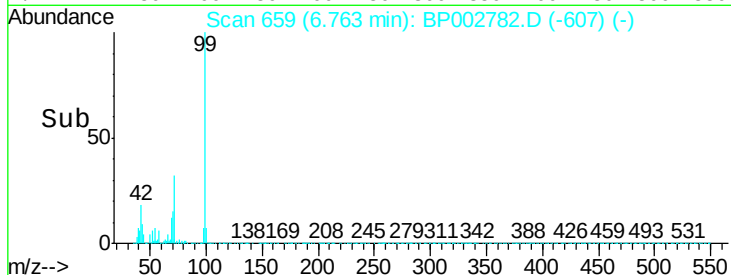
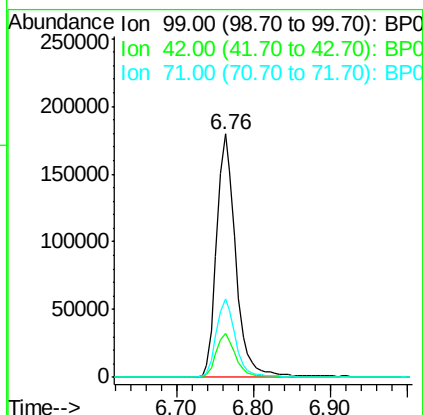
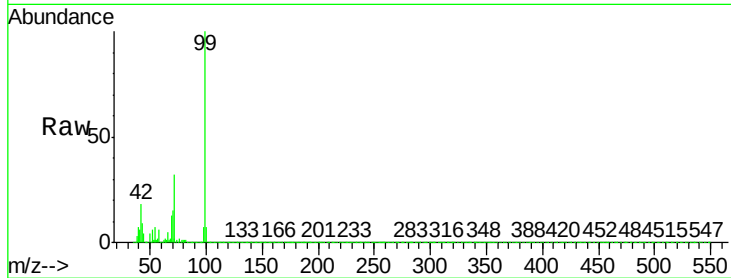
Tot Ion: 99 Resp: 309501

Ion Ratio Lower Upper

99 100

42 17.9 13.4 20.2

71 32.3 24.6 36.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.33 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BP002782.D

Acq: 16 Jul 2020 20:45

Tgt Ion: 136 Resp: 982842

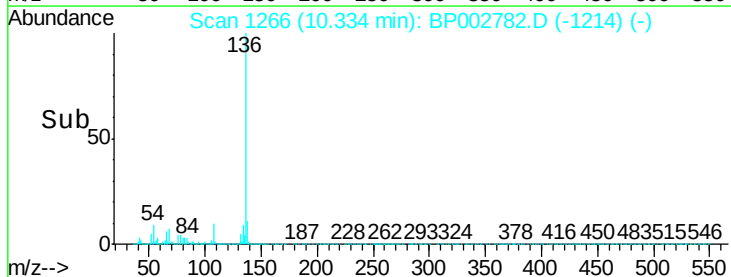
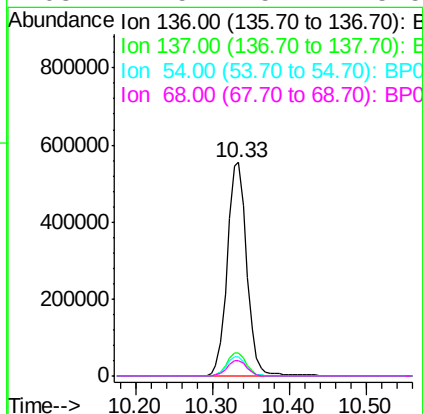
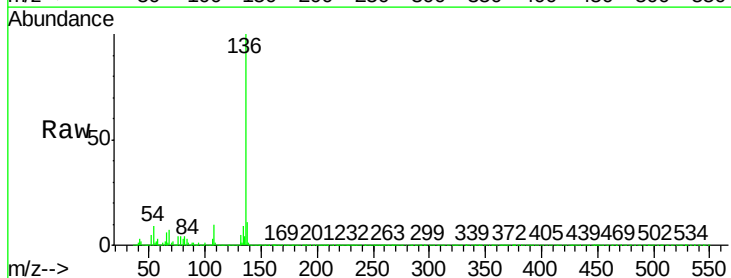
Ion Ratio Lower Upper

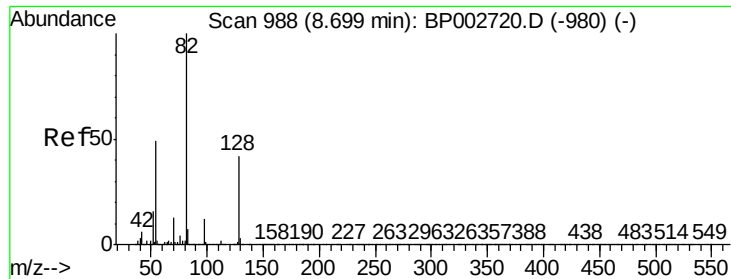
136 100

137 11.1 8.6 13.0

54 8.9 6.9 10.3

68 7.5 5.7 8.5

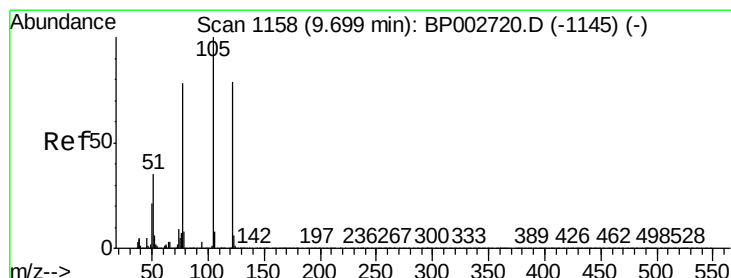
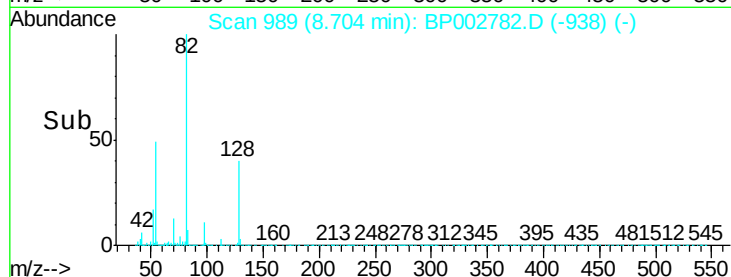
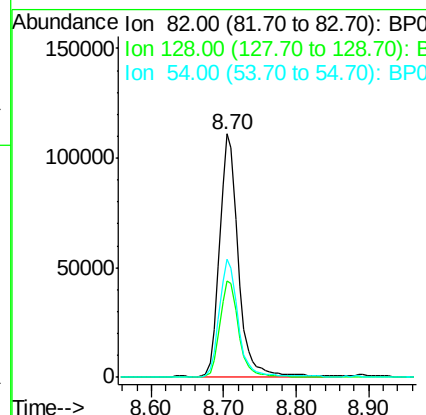
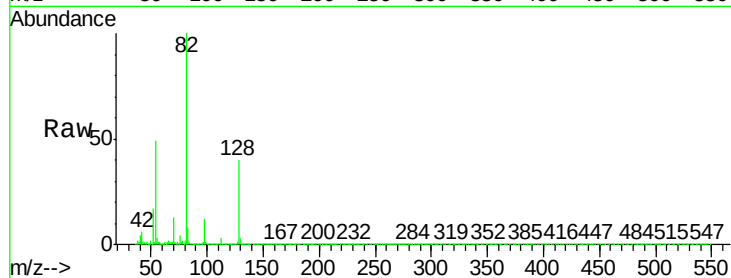




#23
Nitrobenzene-d5
Concen: 10.831 ng
RT: 8.70 min Scan# 989
Delta R.T. -0.00 min
Lab File: BP002782.D
Acq: 16 Jul 2020 20:45

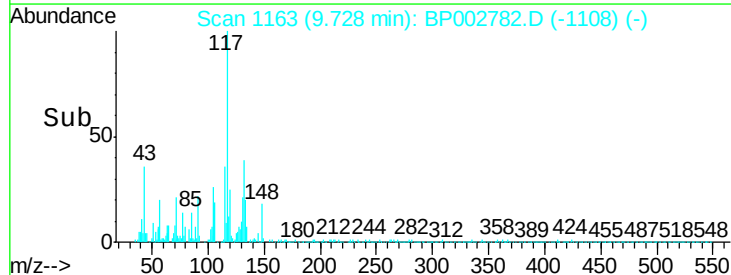
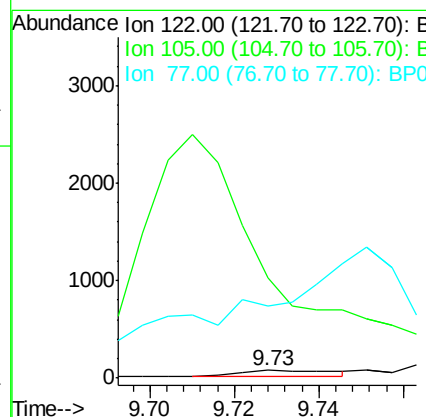
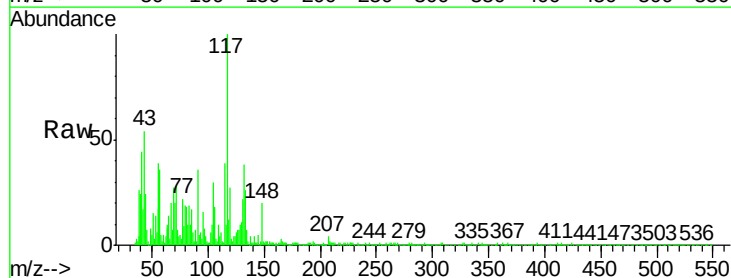
Instrument :
BNA_P
ClientSampleId :
EO-01-071520

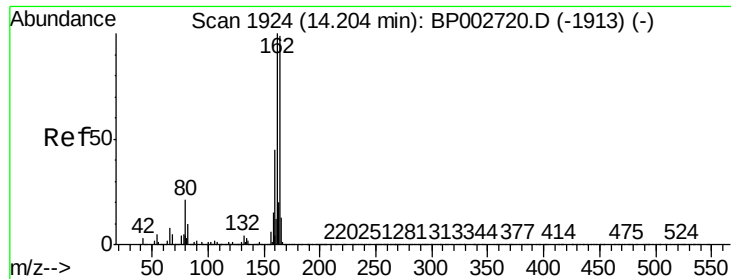
Tot Ion	82	Resp	199028
Ion Ratio	Lower	Upper	
82	100		
128	39.8	33.8	50.8
54	48.5	38.8	58.2



#32
Benzoic acid
Concen: 7.070 ng
RT: 9.73 min Scan# 1163
Delta R.T. 0.02 min
Lab File: BP002782.D
Acq: 16 Jul 2020 20:45

Tgt Ion	122	Resp	104
Ion Ratio	Lower	Upper	
122	100		
105	1277.5	105.4	145.4#
77	931.3	78.5	118.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.21 min Scan# 1925

Delta R.T. -0.00 min

Lab File: BP002782.D

Acq: 16 Jul 2020 20:45

Instrument :

BNA_P

ClientSampleId :

EO-01-071520

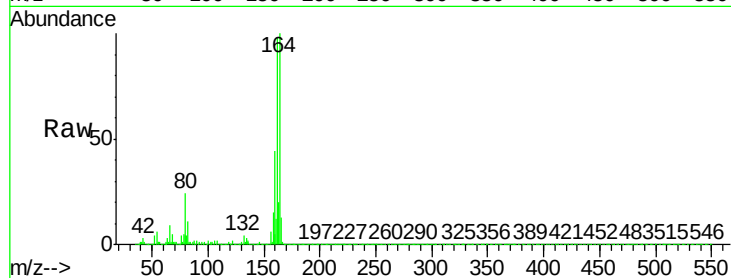
Tot Ion:164 Resp: 535845

Ion Ratio Lower Upper

164 100

162 98.3 80.6 121.0

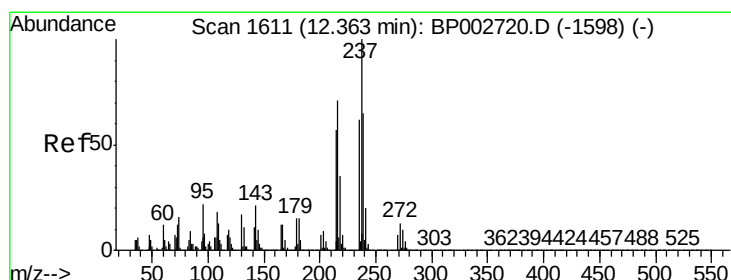
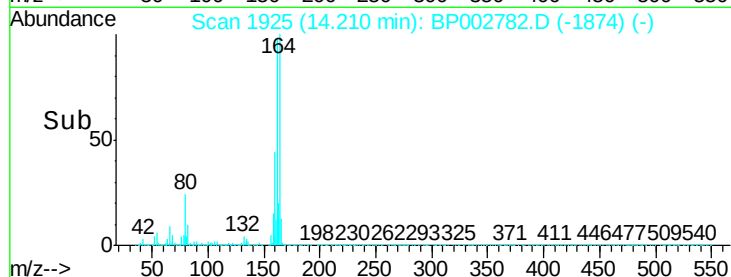
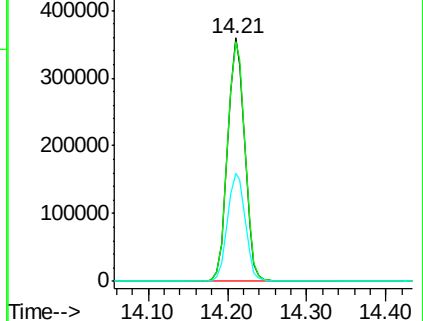
160 44.3 36.4 54.6



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



#41

Hexachlorocyclopentadiene

Concen: 7.435 ng

RT: 12.36 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BP002782.D

Acq: 16 Jul 2020 20:45

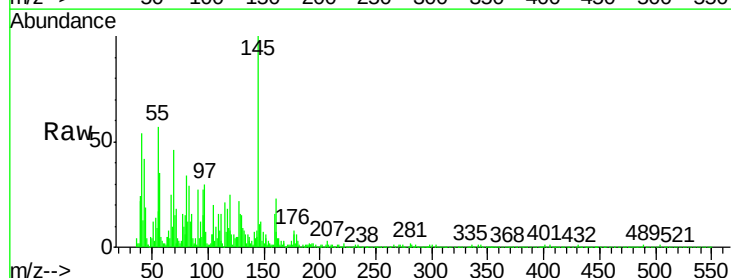
Tgt Ion:237 Resp: 11

Ion Ratio Lower Upper

237 100

235 86.7 42.3 82.3#

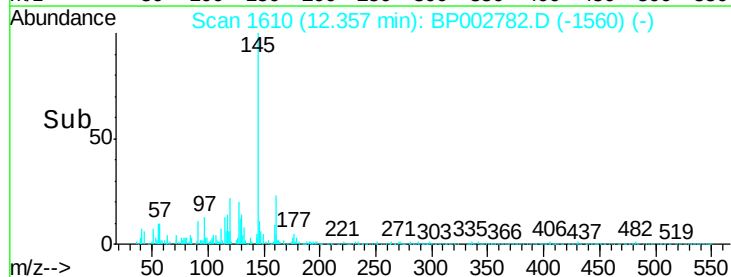
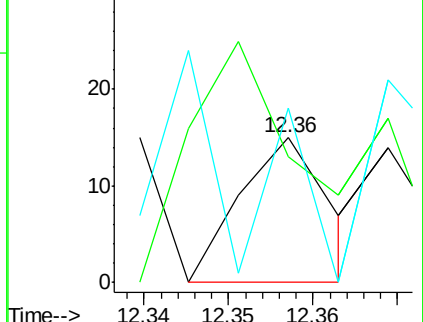
272 120.0 0.0 32.5#

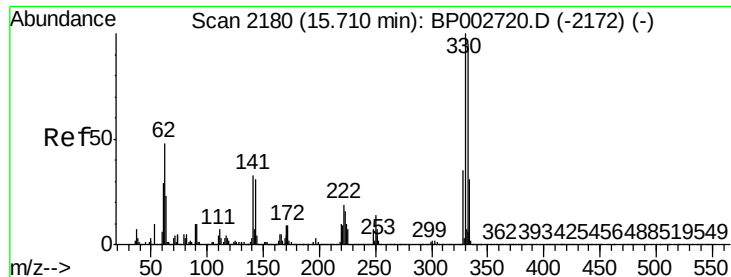


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

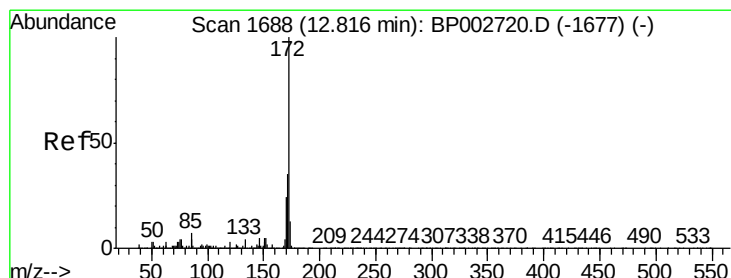
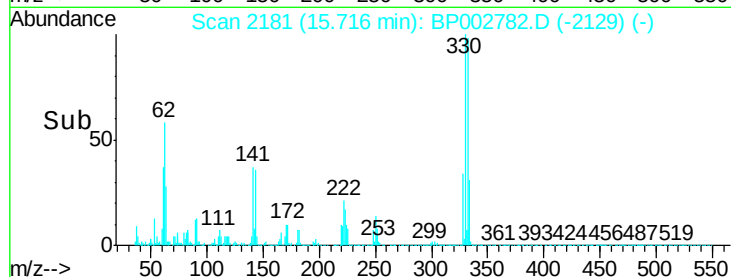
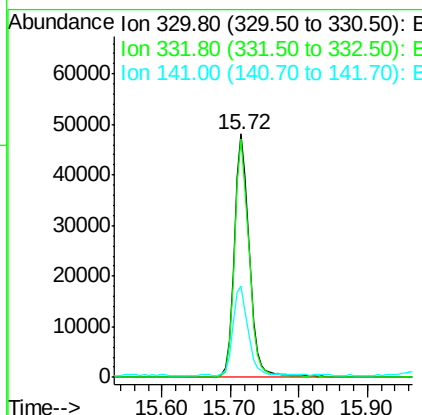
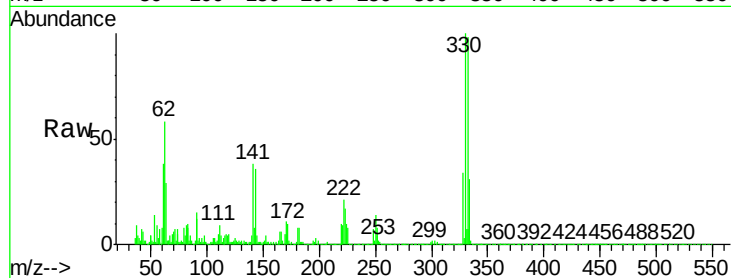




#42
2,4,6-Tribromophenol
Concen: 13.029 ng
RT: 15.72 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BP002782.D
Acq: 16 Jul 2020 20:45

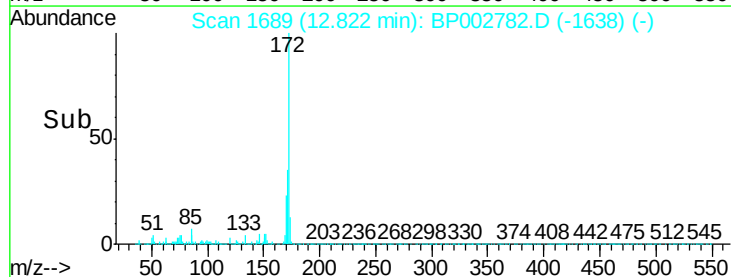
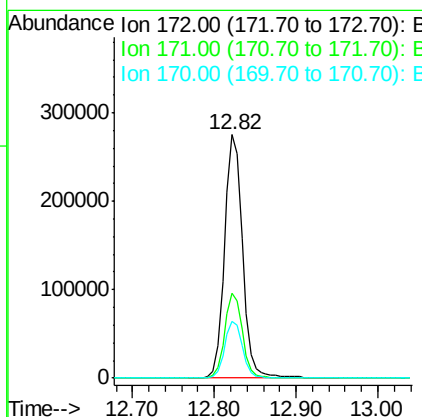
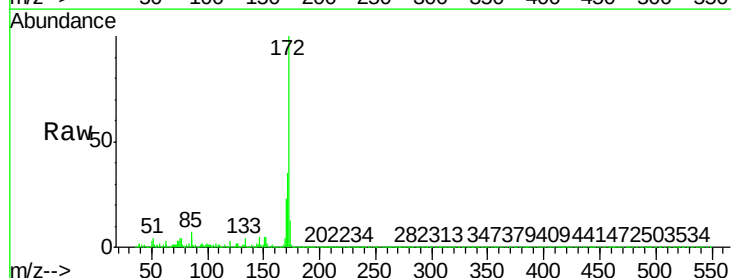
Instrument :
BNA_P
ClientSampleId :
EO-01-071520

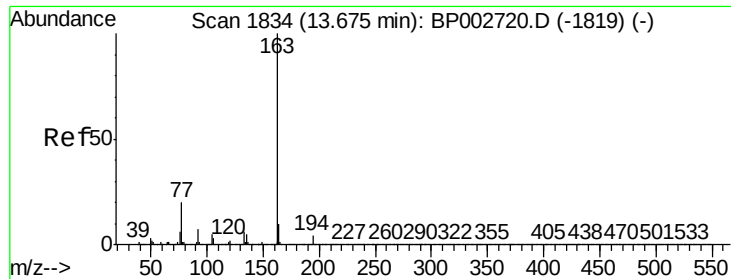
Tot Ion:330 Resp: 72878
Ion Ratio Lower Upper
330 100
332 94.8 76.5 114.7
141 36.2 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 12.193 ng
RT: 12.82 min Scan# 1689
Delta R.T. -0.00 min
Lab File: BP002782.D
Acq: 16 Jul 2020 20:45

Tgt Ion:172 Resp: 422328
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.4 19.3 28.9





#50

Dimethylphthalate

Concen: 2.031 ng

RT: 13.67 min Scan# 1834

Delta R.T. -0.00 min

Lab File: BP002782.D

Acq: 16 Jul 2020 20:45

Instrument :

BNA_P

ClientSampleId :

EO-01-071520

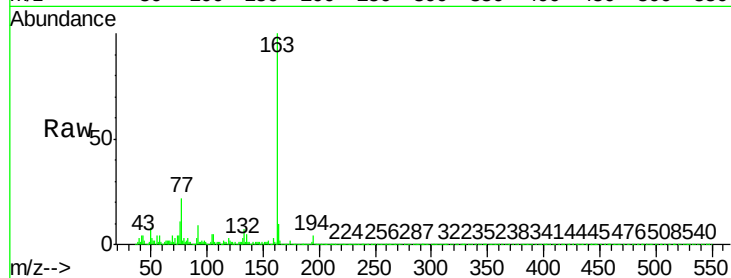
Tot Ion:163 Resp: 82982

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

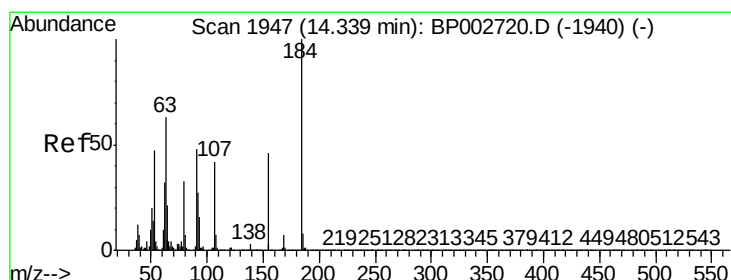
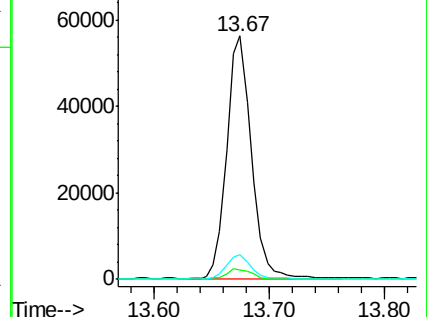
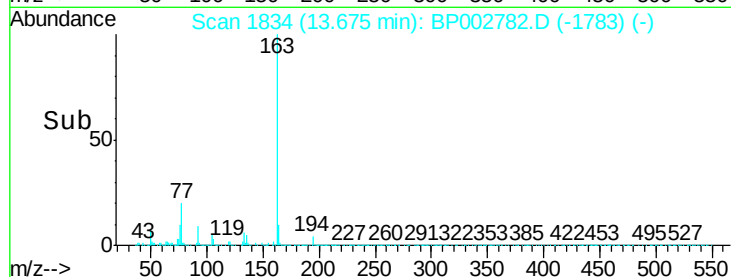
164 10.4 7.8 11.8



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: 11.402 ng

RT: 14.36 min Scan# 1950

Delta R.T. 0.02 min

Lab File: BP002782.D

Acq: 16 Jul 2020 20:45

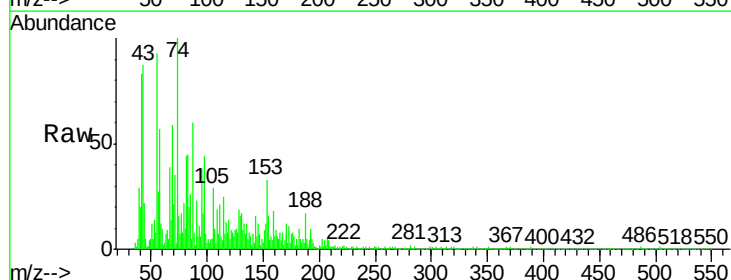
Tgt Ion:184 Resp: 157

Ion Ratio Lower Upper

184 100

63 251.7 51.6 77.4#

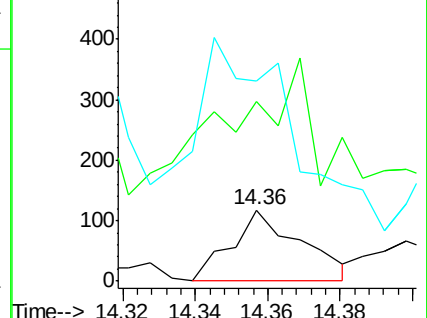
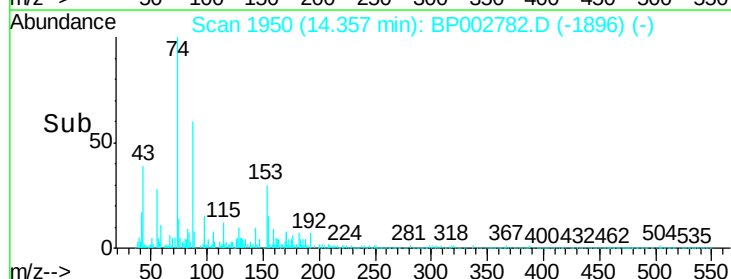
154 280.5 45.0 67.6#

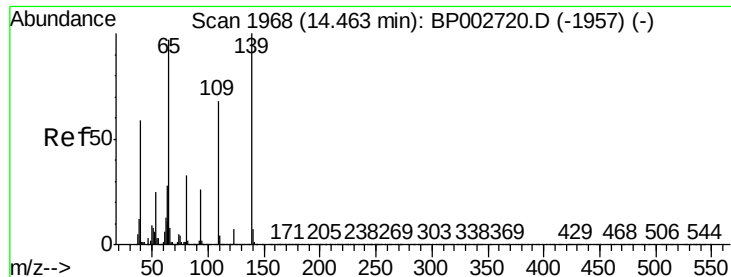


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

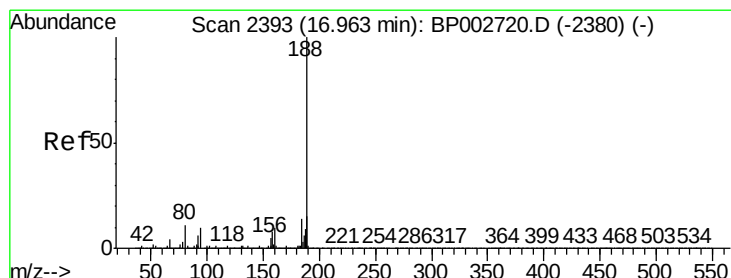
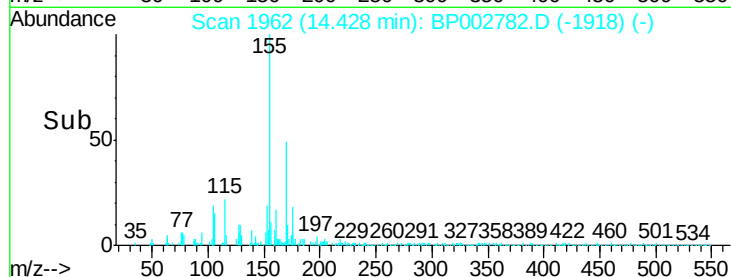
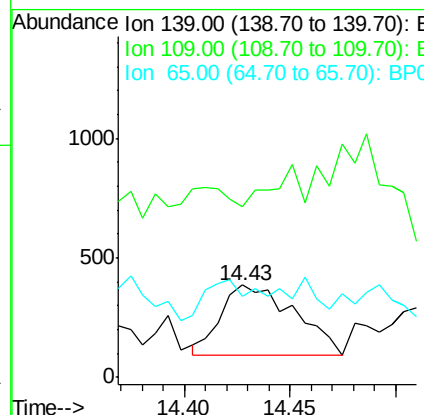
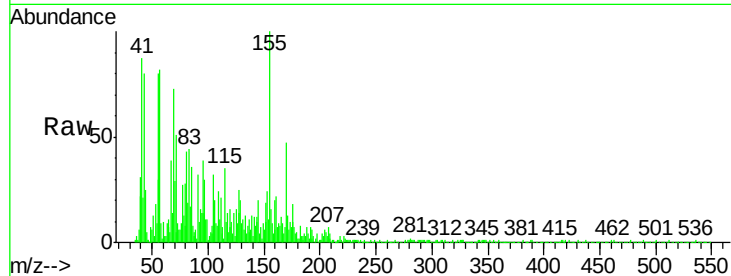




#56
4-Nitrophenol
Concen: 5.056 ng
RT: 14.43 min Scan# 1962
Delta R.T. -0.04 min
Lab File: BP002782.D
Acq: 16 Jul 2020 20:45

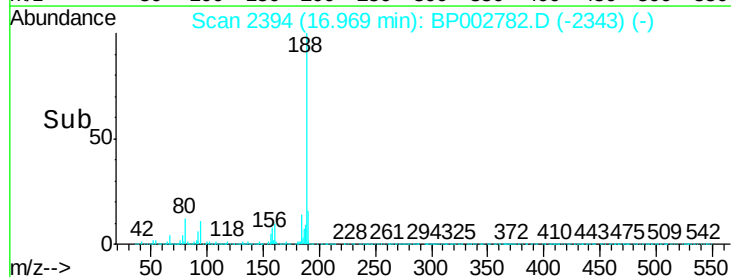
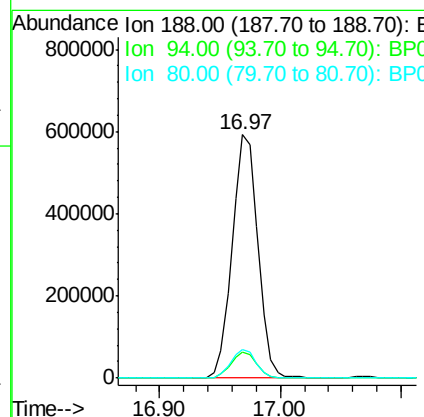
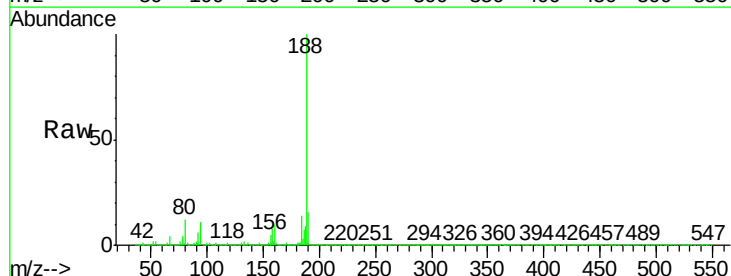
Instrument :
BNA_P
ClientSampleId :
EO-01-071520

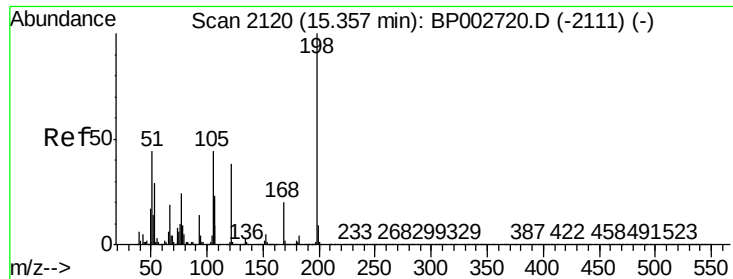
Tot Ion:139 Resp: 707
Ion Ratio Lower Upper
139 100
109 185.2 48.1 88.1#
65 88.6 77.9 117.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.97 min Scan# 2394
Delta R.T. -0.00 min
Lab File: BP002782.D
Acq: 16 Jul 2020 20:45

Tgt Ion:188 Resp: 876908
Ion Ratio Lower Upper
188 100
94 10.9 8.1 12.1
80 11.9 8.9 13.3

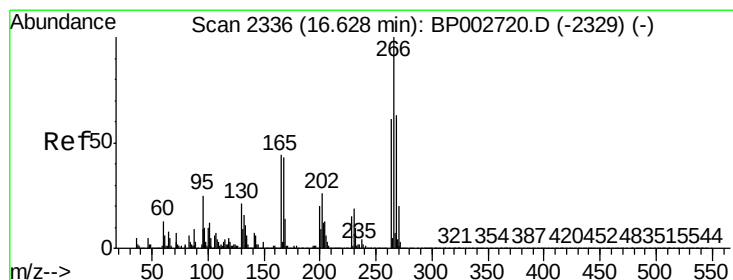
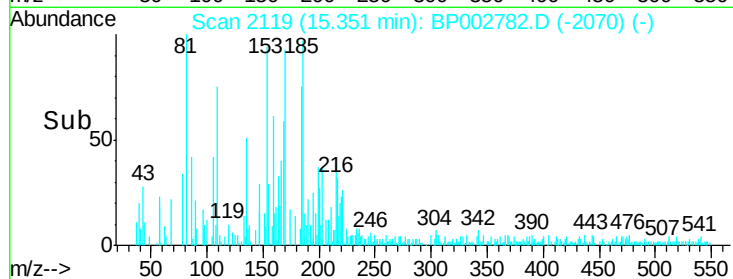
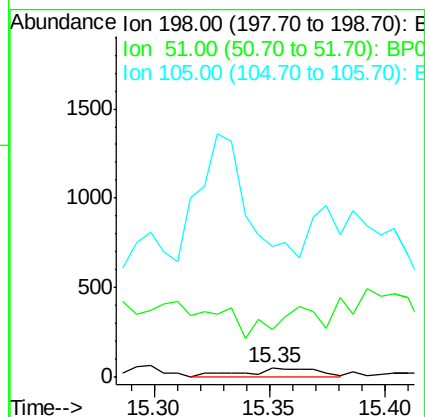
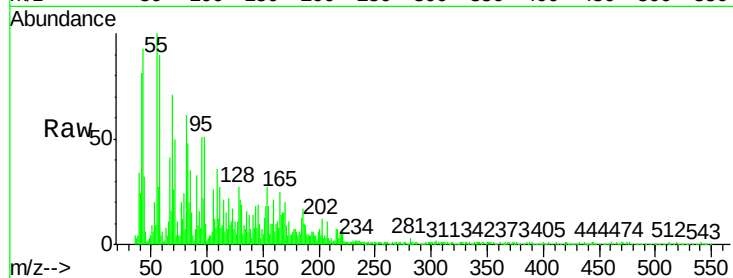




#65
4,6-Dinitro-2-methylphenol
Concen: 5.284 ng
RT: 15.35 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BP002782.D
Acq: 16 Jul 2020 20:45

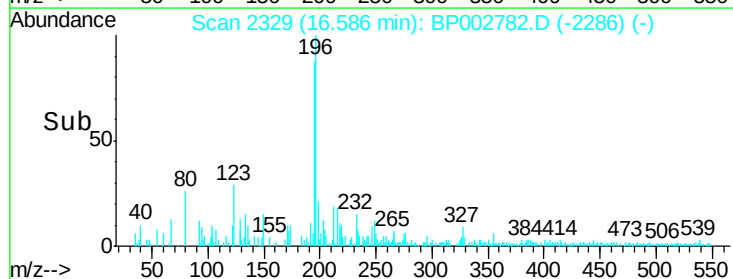
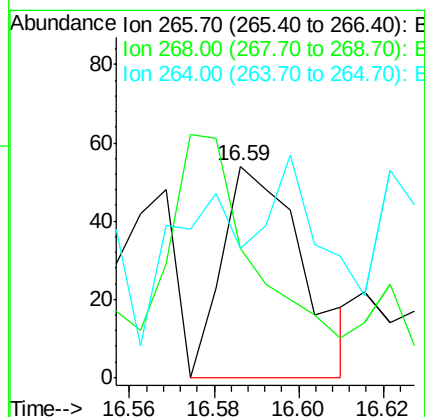
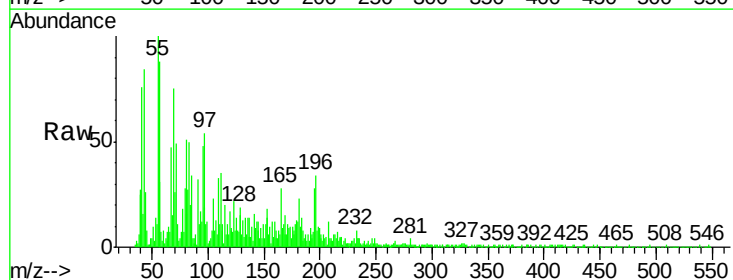
Instrument :
BNA_P
ClientSampleId :
EO-01-071520

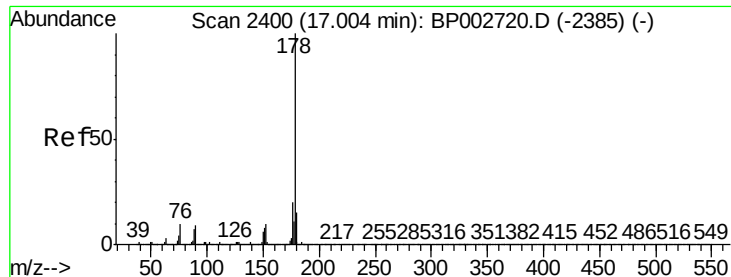
Tot Ion:198 Resp: 101
Ion Ratio Lower Upper
198 100
51 498.1 27.1 67.1#
105 1381.1 24.9 64.9#



#70
Pentachlorophenol
Concen: 7.455 ng
RT: 16.59 min Scan# 2329
Delta R.T. -0.05 min
Lab File: BP002782.D
Acq: 16 Jul 2020 20:45

Tgt Ion:266 Resp: 71
Ion Ratio Lower Upper
266 100
268 61.1 50.6 75.8
264 61.1 48.6 72.8





#71

Phenanthrene

Concen: 5.270 ng

RT: 17.01 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BP002782.D

Acq: 16 Jul 2020 20:45

Instrument :

BNA_P

ClientSampleId :

EO-01-071520

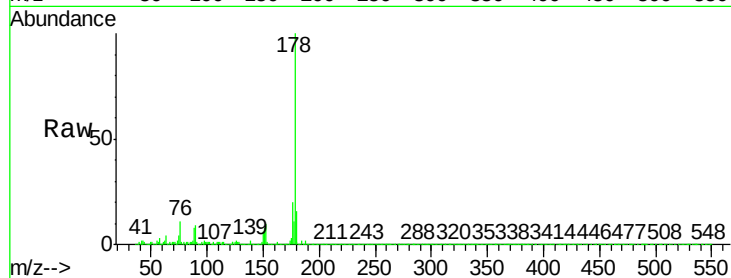
Tot Ion:178 Resp: 250196

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

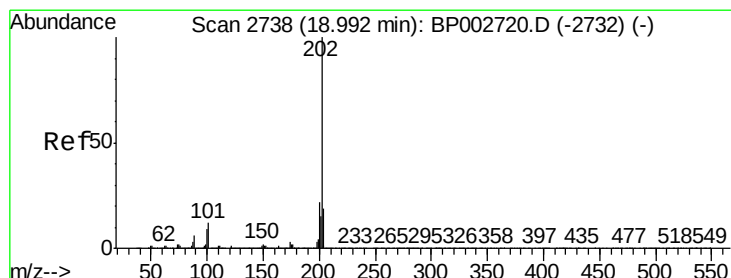
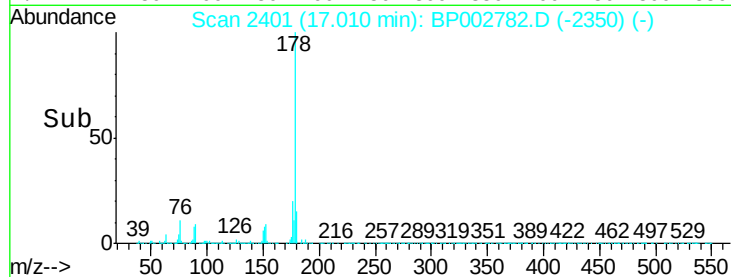
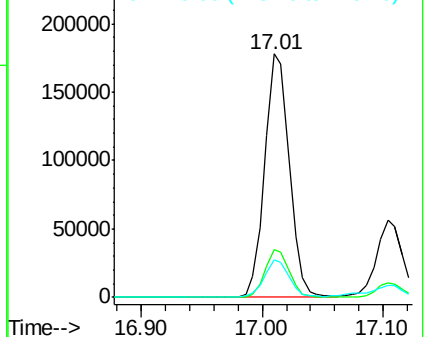
179 15.6 12.3 18.5



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: 6.044 ng

RT: 19.00 min Scan# 2739

Delta R.T. -0.00 min

Lab File: BP002782.D

Acq: 16 Jul 2020 20:45

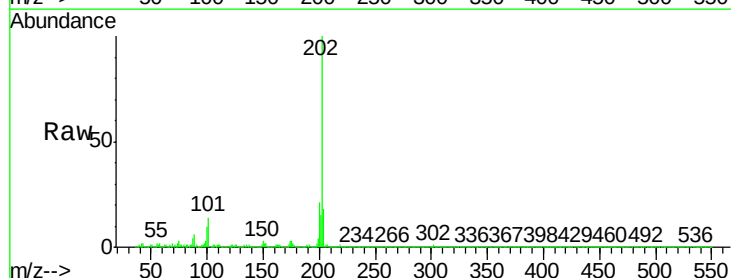
Tgt Ion:202 Resp: 332491

Ion Ratio Lower Upper

202 100

101 13.6 0.0 32.5

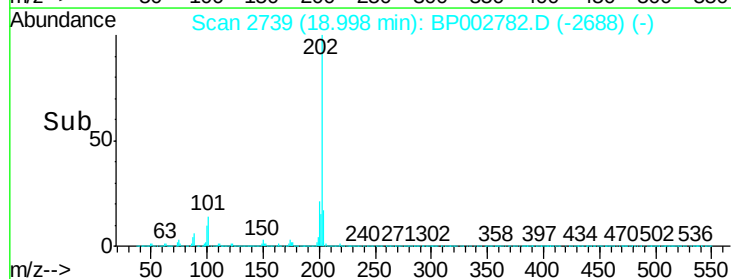
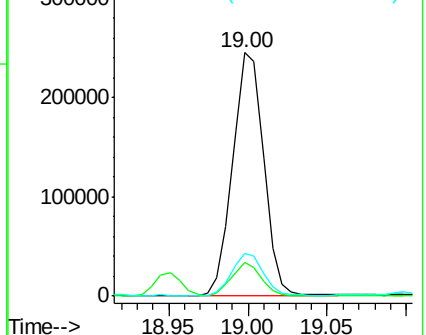
203 17.5 0.0 38.6

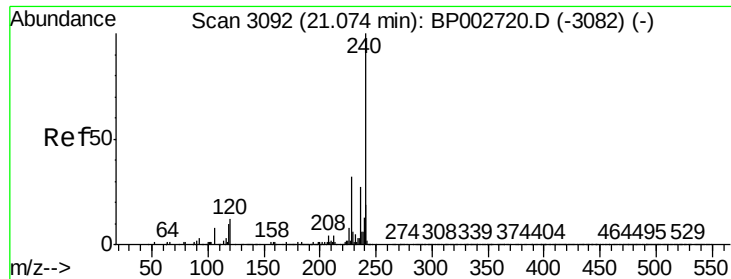


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

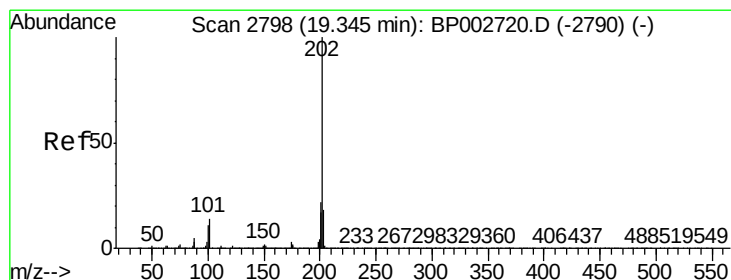
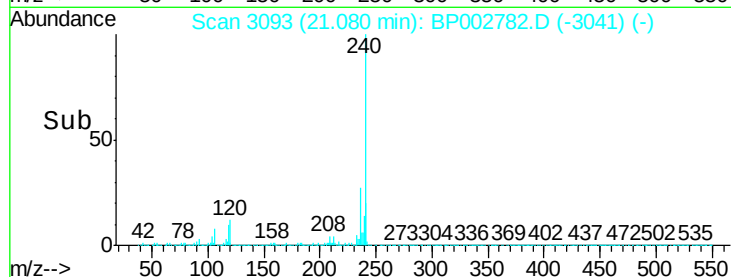
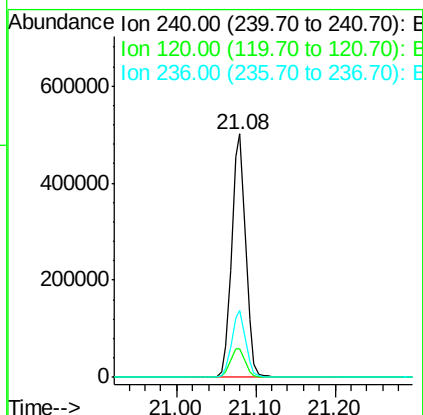
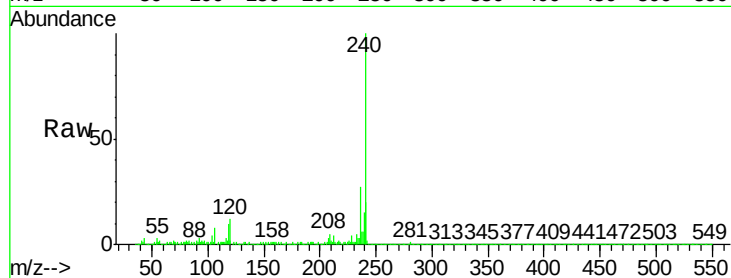




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.08 min Scan# 3093
Delta R.T. 0.01 min
Lab File: BP002782.D
Acq: 16 Jul 2020 20:45

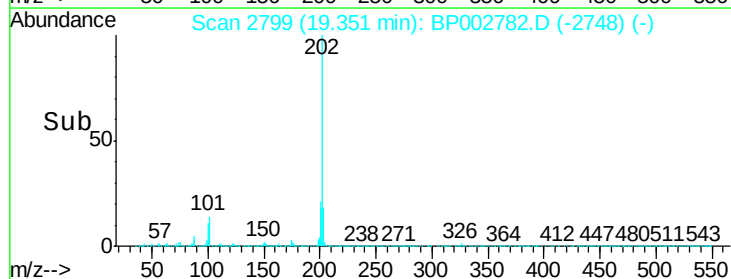
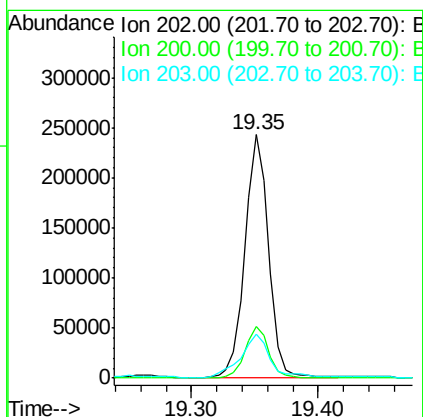
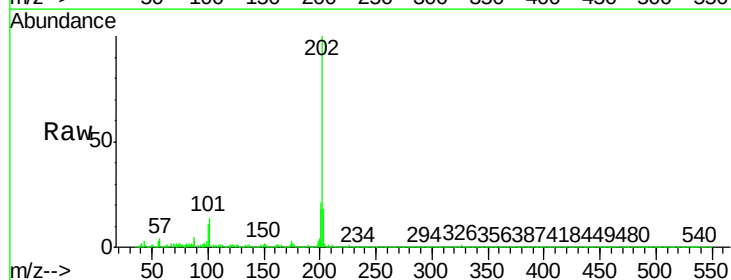
Instrument :
BNA_P
ClientSampleId :
EO-01-071520

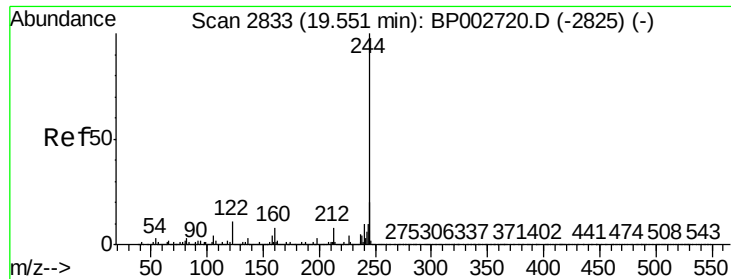
Tot Ion:240 Resp: 611248
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 27.3 21.3 31.9



#78
Pyrene
Concen: 7.382 ng
RT: 19.35 min Scan# 2799
Delta R.T. -0.00 min
Lab File: BP002782.D
Acq: 16 Jul 2020 20:45

Tgt Ion:202 Resp: 311548
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 18.2 14.5 21.7

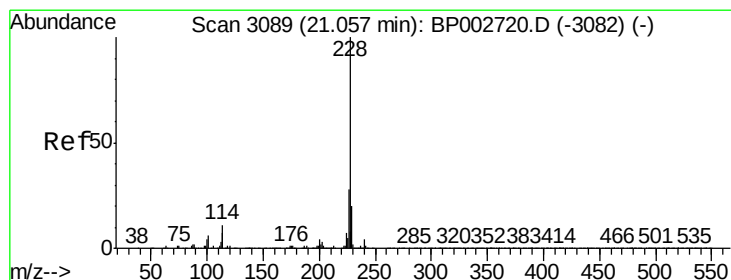
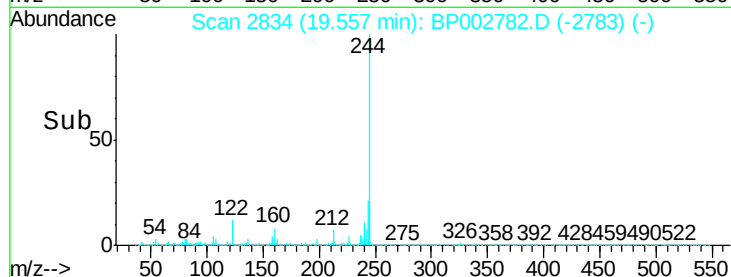
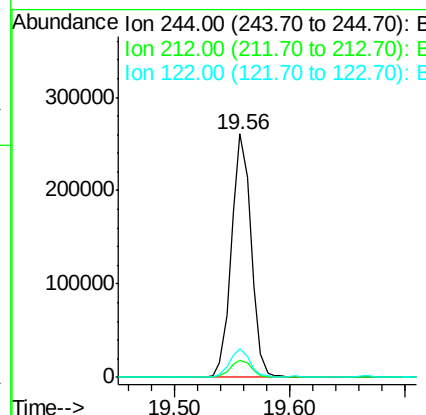
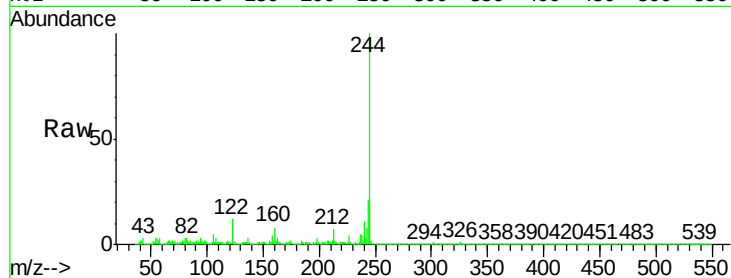




#79
 Terphenyl-d14
 Concen: 11.504 ng
 RT: 19.56 min Scan# 2834
 Delta R.T. -0.00 min
 Lab File: BP002782.D
 Acq: 16 Jul 2020 20:45

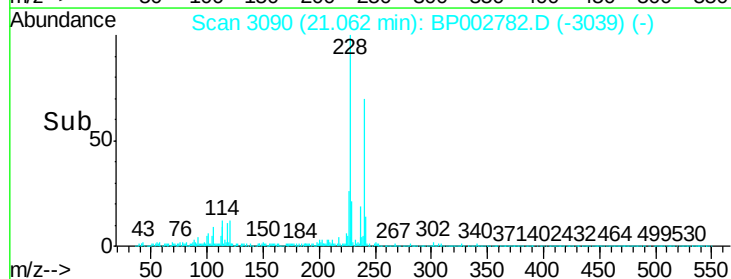
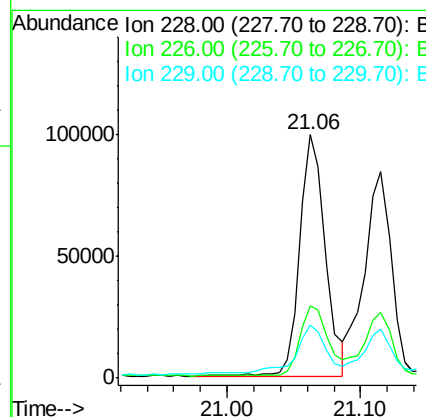
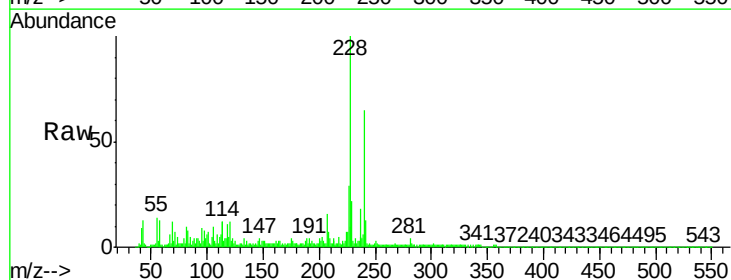
Instrument :
 BNA_P
 ClientSampleId :
 EO-01-071520

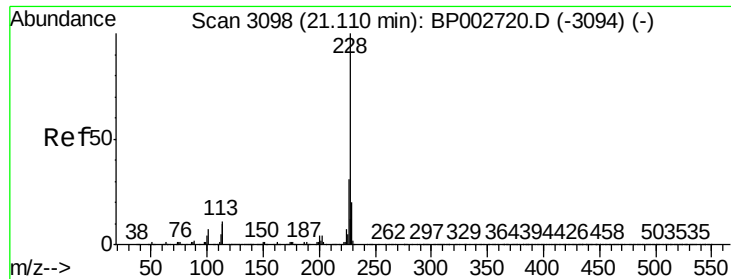
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	11.8	8.9	13.3



#81
 Benzo(a)anthracene
 Concen: 3.313 ng
 RT: 21.06 min Scan# 3090
 Delta R.T. -0.00 min
 Lab File: BP002782.D
 Acq: 16 Jul 2020 20:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	34.0
229	22.0	16.0	24.0

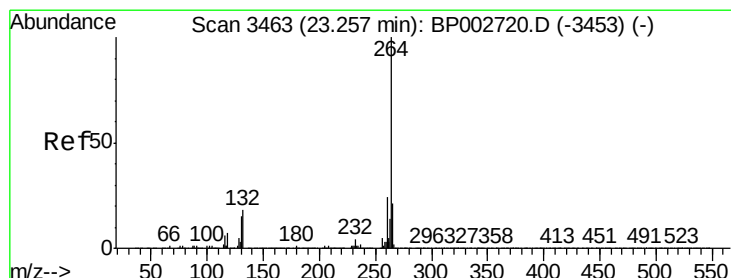
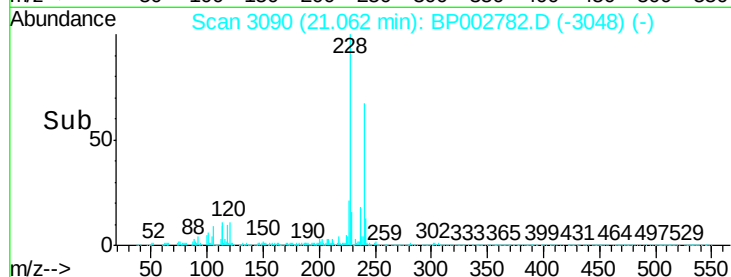
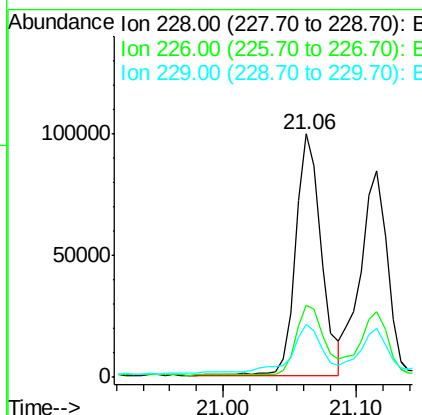
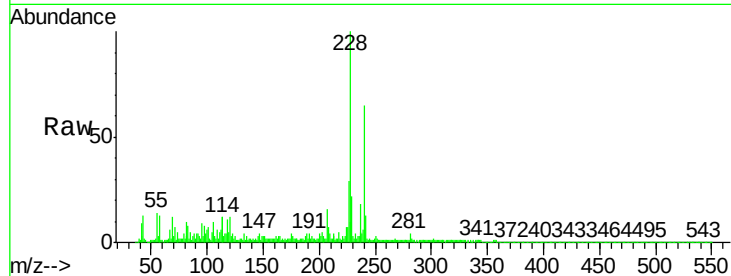




#83
Chrysene
Concen: 3.480 ng
RT: 21.06 min Scan# 3090
Delta R.T. -0.05 min
Lab File: BP002782.D
Acq: 16 Jul 2020 20:45

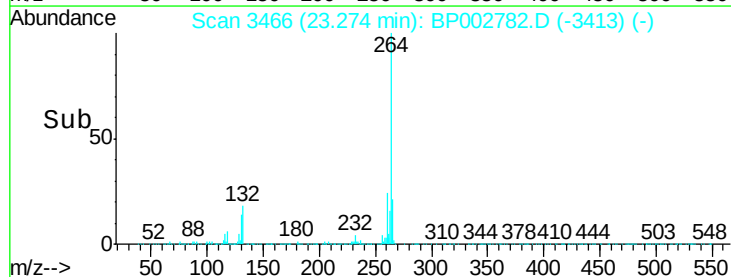
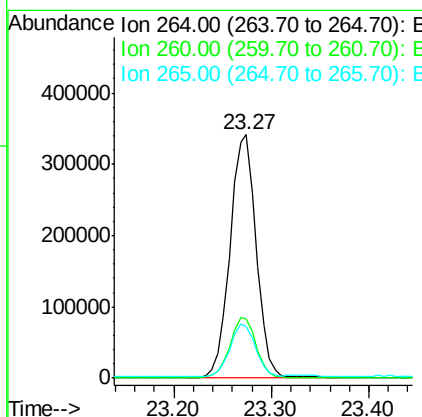
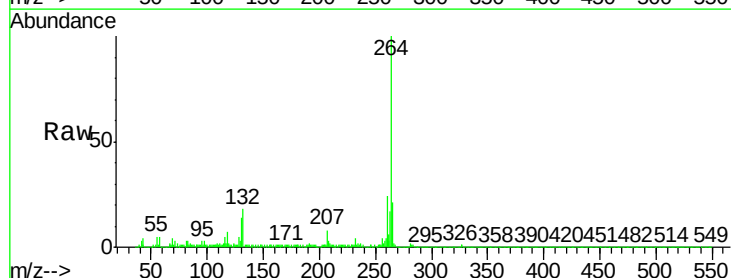
Instrument :
BNA_P
ClientSampleId :
EO-01-071520

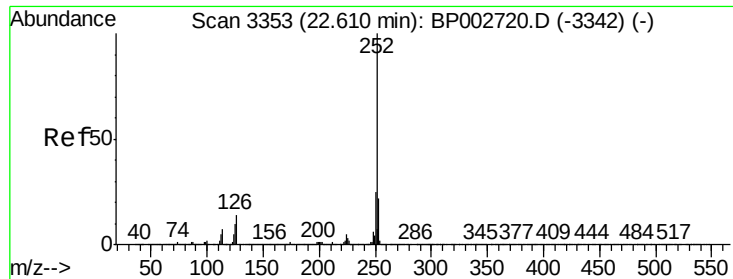
Tot Ion:228 Resp: 131074
Ion Ratio Lower Upper
228 100
226 29.4 24.6 37.0
229 22.0 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.27 min Scan# 3466
Delta R.T. 0.01 min
Lab File: BP002782.D
Acq: 16 Jul 2020 20:45

Tgt Ion:264 Resp: 629162
Ion Ratio Lower Upper
264 100
260 24.2 19.3 28.9
265 21.4 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 3.329 ng

RT: 22.62 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BP002782.D

Acq: 16 Jul 2020 20:45

Instrument :

BNA_P

ClientSampleId :

EO-01-071520

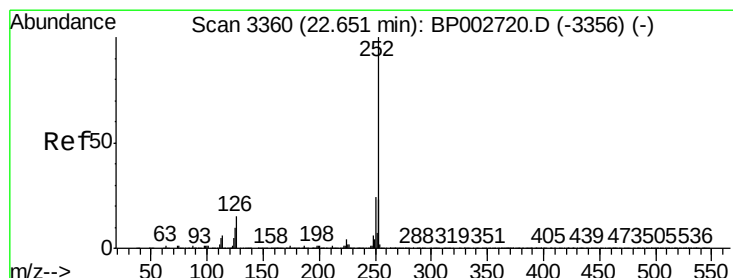
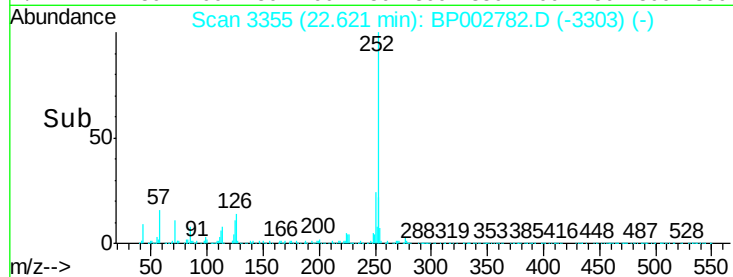
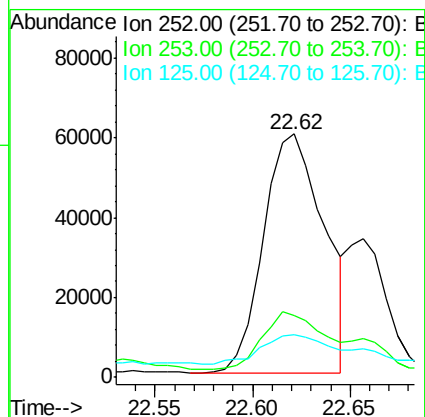
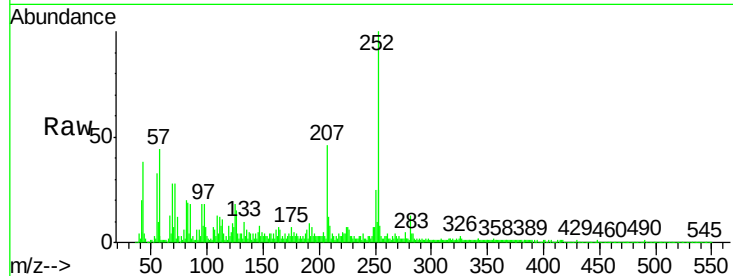
Tot Ion:252 Resp: 130063

Ion Ratio Lower Upper

252 100

253 25.4 17.7 26.5

125 17.7 8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 3.380 ng

RT: 22.62 min Scan# 3355

Delta R.T. -0.04 min

Lab File: BP002782.D

Acq: 16 Jul 2020 20:45

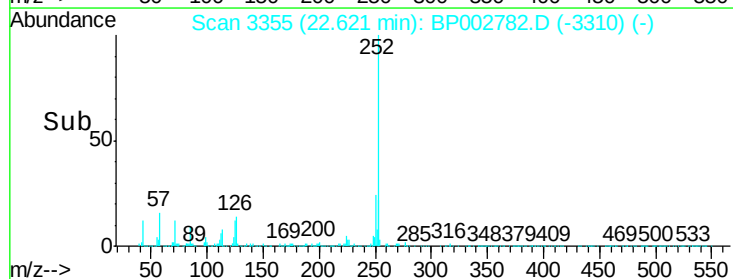
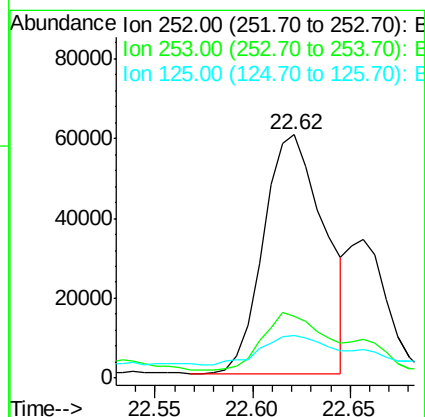
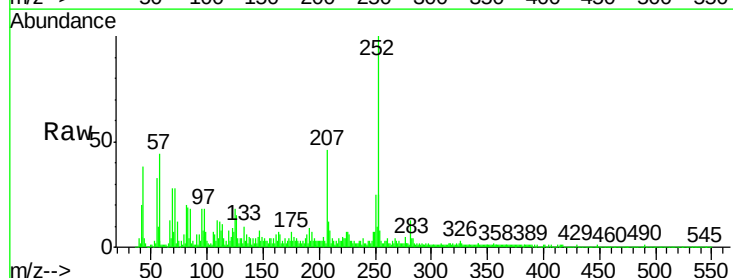
Tgt Ion:252 Resp: 130063

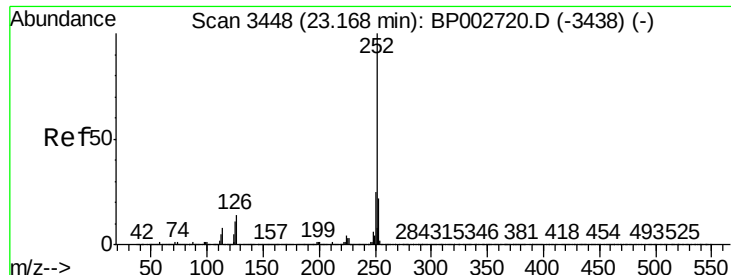
Ion Ratio Lower Upper

252 100

253 25.4 17.8 26.8

125 17.7 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 2.644 ng

RT: 23.17 min Scan# 3449

Delta R.T. -0.00 min

Lab File: BP002782.D

Acq: 16 Jul 2020 20:45

Instrument :

BNA_P

ClientSampleId :

EO-01-071520

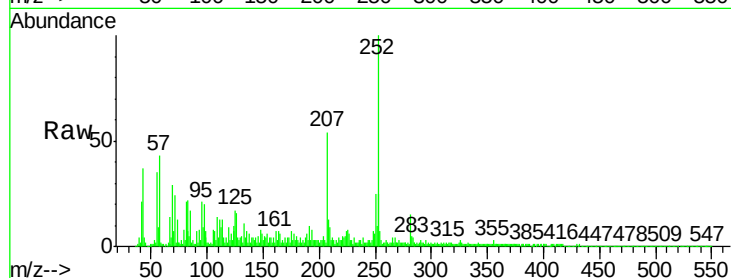
Tot Ion: 252 Resp: 97882

Ion Ratio Lower Upper

252 100

253 25.0 17.6 26.4

125 17.3 8.6 13.0



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

