

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
 Data File : BP003347.D
 Acq On : 22 Sep 2020 19:45
 Operator : CG/JU
 Sample : L3866-06 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-01-092120

Quant Time: Sep 22 20:49:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 12:48:08 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

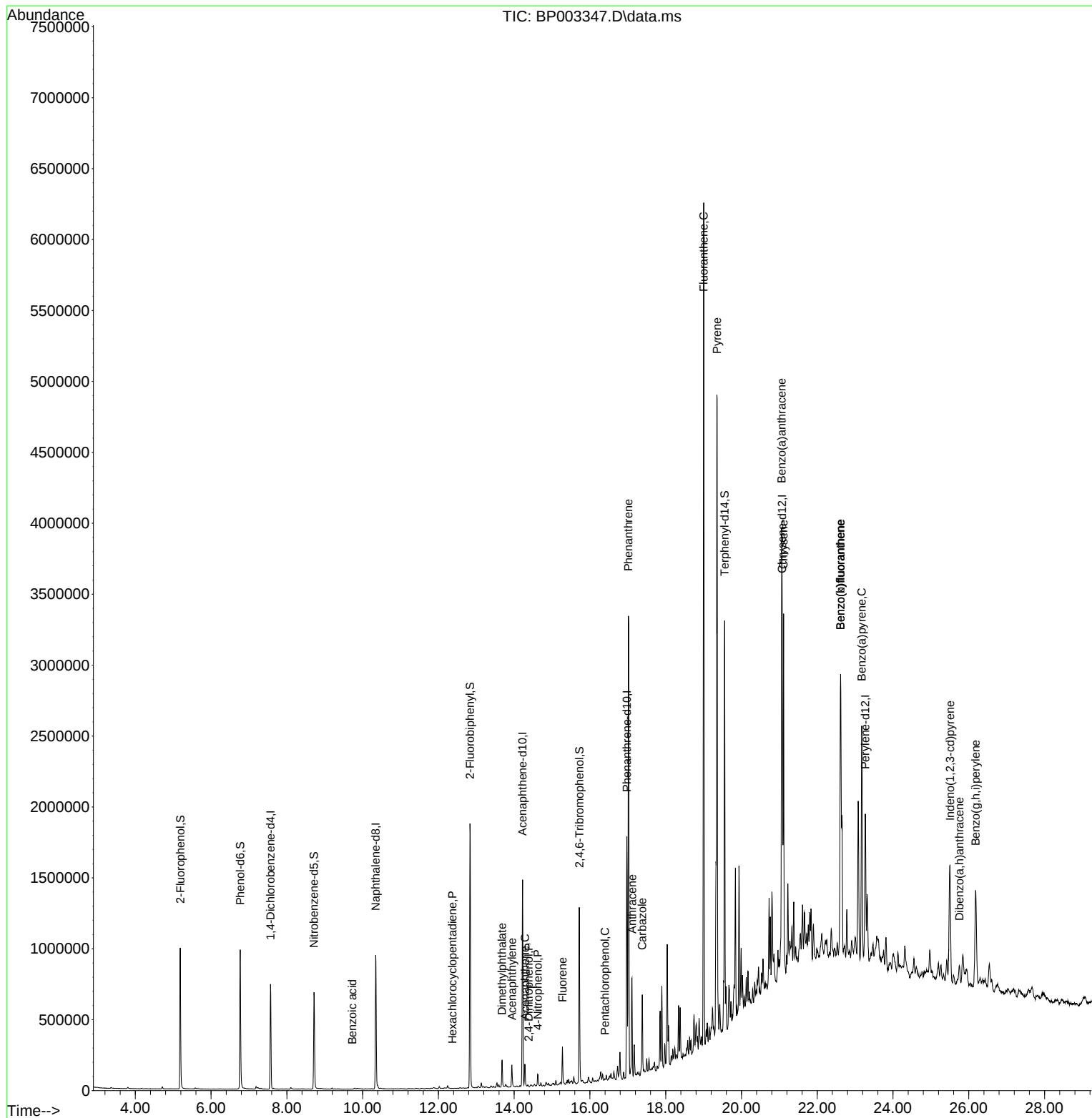
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	206936	20.00	ng	0.00
21) Naphthalene-d8	10.346	136	826384	20.00	ng	# 0.00
39) Acenaphthene-d10	14.222	164	496042	20.00	ng	0.00
64) Phenanthrene-d10	16.975	188	1014073	20.00	ng	0.00
76) Chrysene-d12	21.075	240	729311	20.00	ng	0.00
86) Perylene-d12	23.269	264	721873	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.187	112	516354	43.57	ng	0.00
7) Phenol-d6	6.769	99	657447	41.62	ng	0.00
23) Nitrobenzene-d5	8.716	82	428852	30.49	ng	0.00
42) 2,4,6-Tribromophenol	15.722	330	253151	33.46	ng	0.00
45) 2-Fluorobiphenyl	12.834	172	1007466	29.70	ng	0.00
79) Terphenyl-d14	19.557	244	1204650	34.42	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.722	122	32	9.16	ng	# 1
41) Hexachlorocyclopentadiene	12.369	237	11	6.84	ng	86
49) Acenaphthylene	13.940	152	121077	2.59	ng	98
50) Dimethylphthalate	13.681	163	119456	3.02	ng	99
52) Acenaphthene	14.287	154	57324	2.01	ng	98
54) 2,4-Dinitrophenol	14.381	184	34	7.26	ng	# 1
56) 4-Nitrophenol	14.622	139	19966	3.55	ng	# 23
58) Fluorene	15.275	166	117296	3.27	ng	98
70) Pentachlorophenol	16.398	266	55	6.78	ng	86
71) Phenanthrene	17.016	178	1998455	36.22	ng	99
72) Anthracene	17.110	178	442055	8.13	ng	99
73) Carbazole	17.381	167	347091	6.72	ng	99
75) Fluoranthene	19.004	202	3592983	51.79	ng	99
78) Pyrene	19.357	202	2904657	63.86	ng	99
81) Benzo(a)anthracene	21.063	228	1311857	27.83	ng	98
83) Chrysene	21.110	228	1382648	30.53	ng	97
87) Indeno(1,2,3-cd)pyrene	25.504	276	806668	14.74	ng	# 95
88) Benzo(b)fluoranthene	22.616	252	2226989	48.85	ng	97
89) Benzo(k)fluoranthene	22.616	252	2226989	50.97	ng	98
90) Benzo(a)pyrene	23.174	252	1138740	26.49	ng	97
91) Dibenzo(a,h)anthracene	25.751	278	127700	2.83	ng	92
92) Benzo(g,h,i)perylene	26.180	276	796933	17.68	ng	98

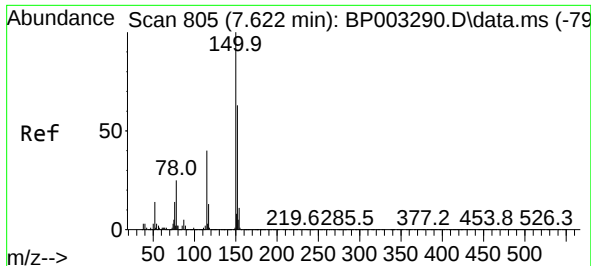
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 22 20:49:10 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 22 12:48:08 2020
Response via : Initial Calibration

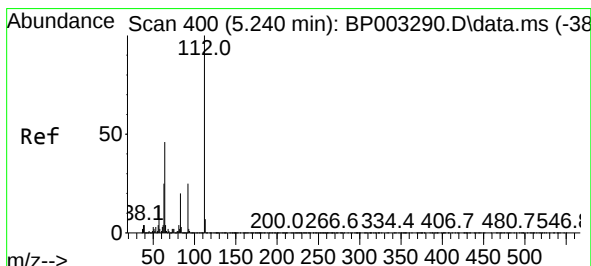
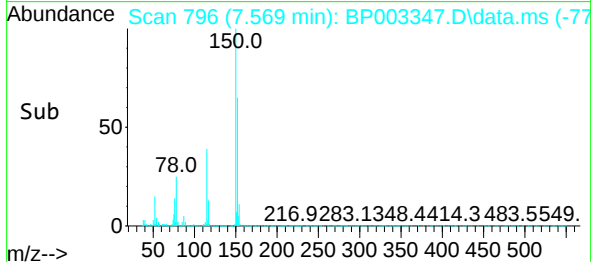
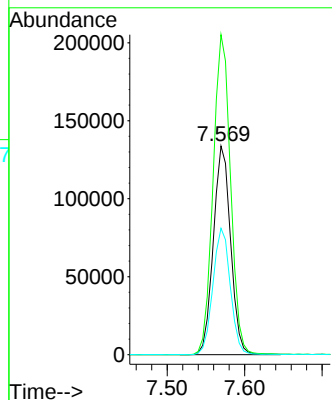
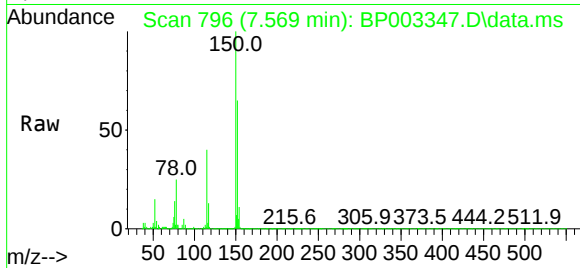




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.569 min Scan# 796
Delta R.T. 0.000 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

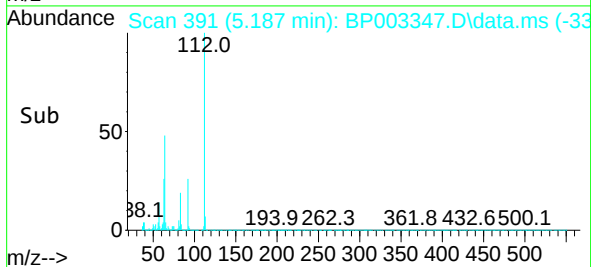
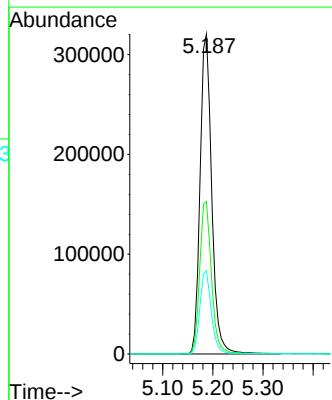
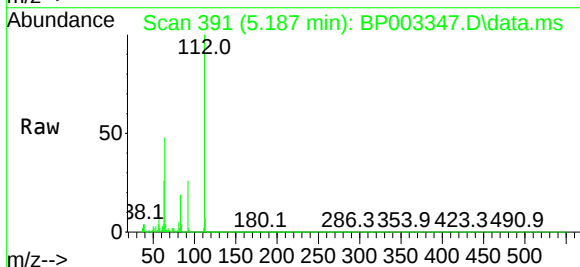
Instrument :
BNA_P
ClientSampleId :
OK-01-092120

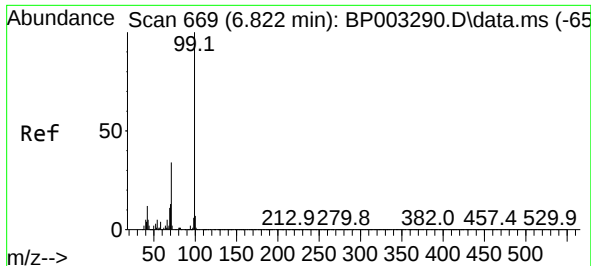
Tgt Ion:152 Resp: 206936
Ion Ratio Lower Upper
152 100
150 153.4 123.8 185.6
115 60.6 43.8 65.6



#5
2-Fluorophenol
Concen: 43.57 ng
RT: 5.187 min Scan# 391
Delta R.T. 0.006 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

Tgt Ion:112 Resp: 516354
Ion Ratio Lower Upper
112 100
64 47.7 32.8 49.2
63 26.0 17.0 25.4#

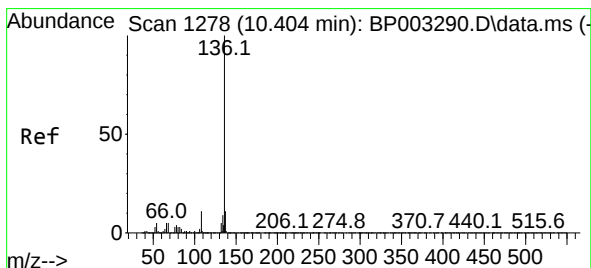
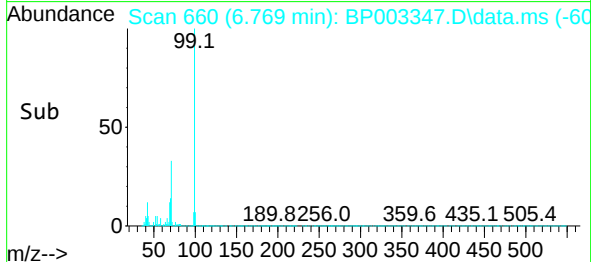
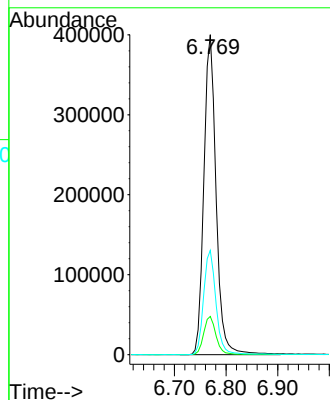
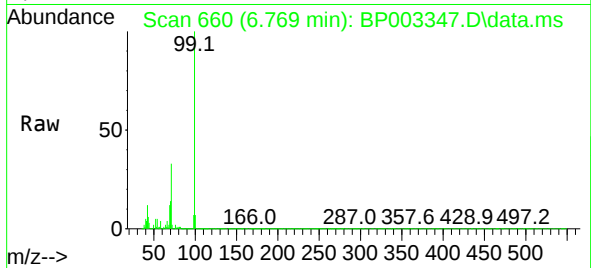




#7
Phenol-d6
Concen: 41.62 ng
RT: 6.769 min Scan# 660
Delta R.T. 0.000 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

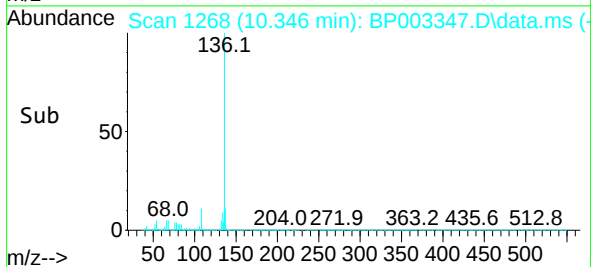
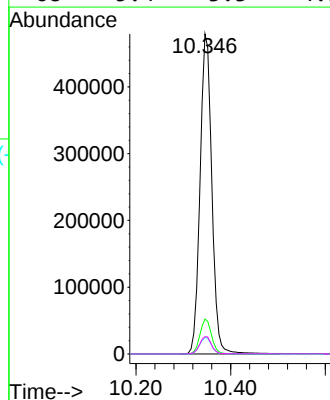
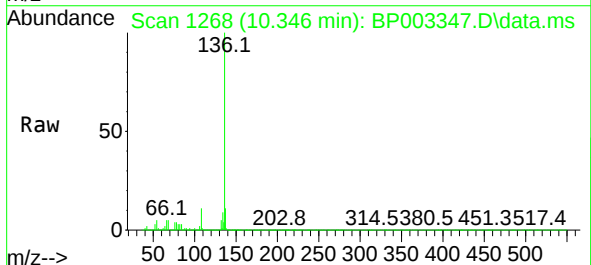
Instrument :
BNA_P
ClientSampleId :
OK-01-092120

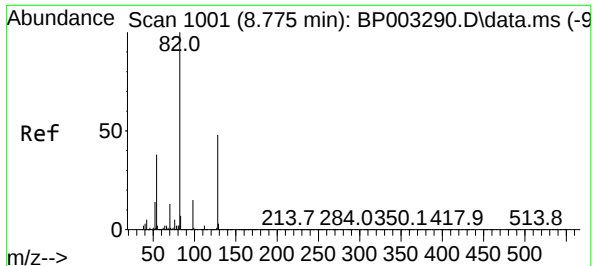
Tgt Ion: 99 Resp: 657447
Ion Ratio Lower Upper
99 100
42 11.9 8.6 13.0
71 32.6 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.346 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

Tgt Ion: 136 Resp: 826384
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 5.1 3.6 5.4
68 5.4 3.3 4.9#

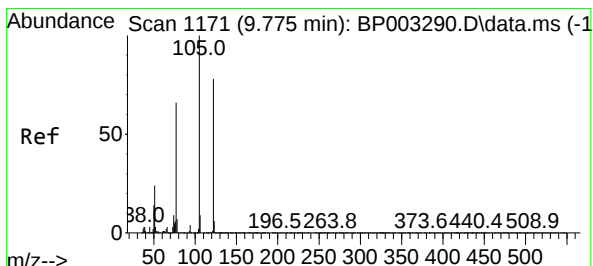
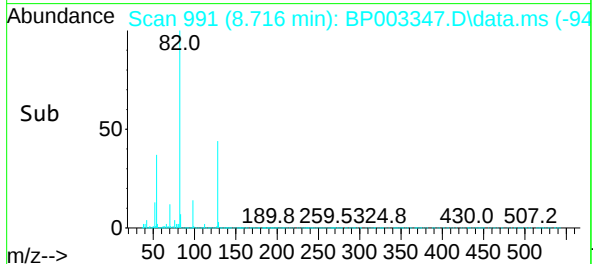
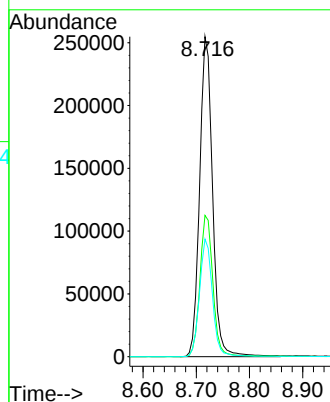
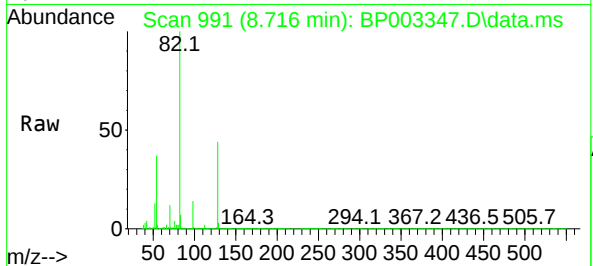




#23
Nitrobenzene-d5
Concen: 30.49 ng
RT: 8.716 min Scan# 991
Delta R.T. -0.006 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

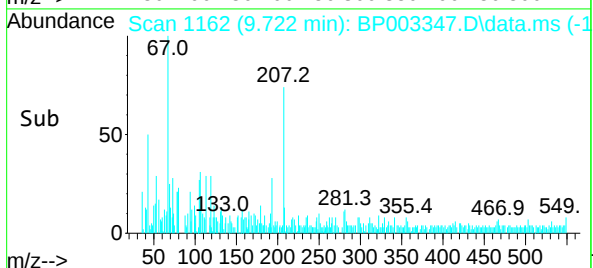
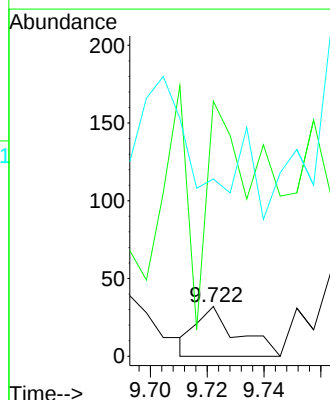
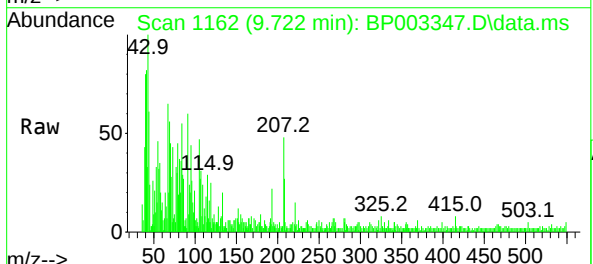
Instrument :
BNA_P
ClientSampleId :
OK-01-092120

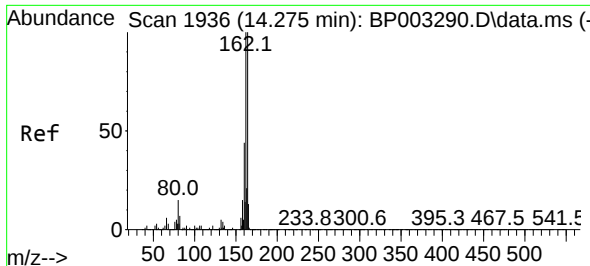
Tgt Ion: 82 Resp: 428852
Ion Ratio Lower Upper
82 100
128 44.1 45.6 68.4#
54 36.7 30.1 45.1



#32
Benzoic acid
Concen: 9.16 ng
RT: 9.722 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

Tgt Ion: 122 Resp: 32
Ion Ratio Lower Upper
122 100
105 512.5 94.1 134.1#
77 356.3 50.1 90.1#

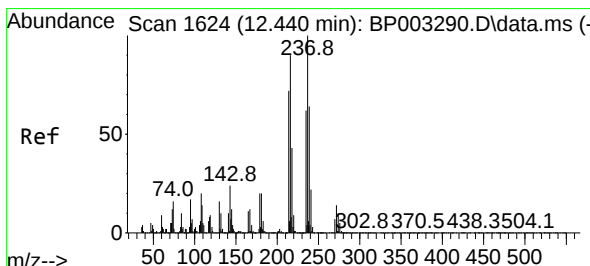
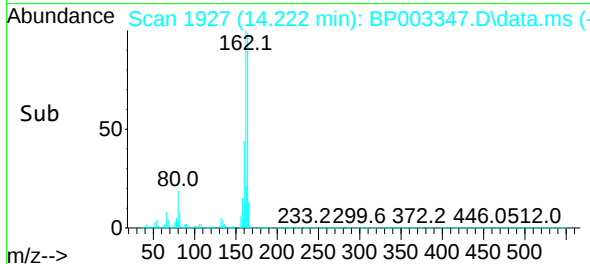
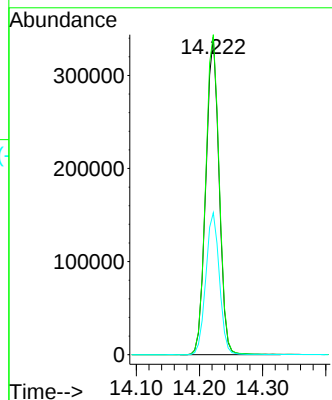
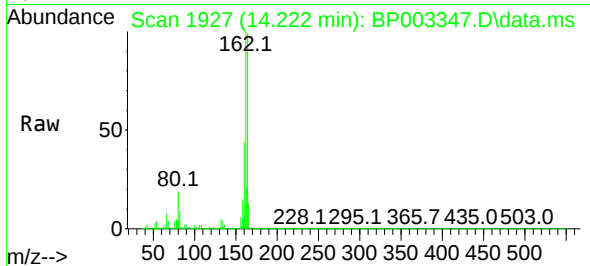




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.222 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

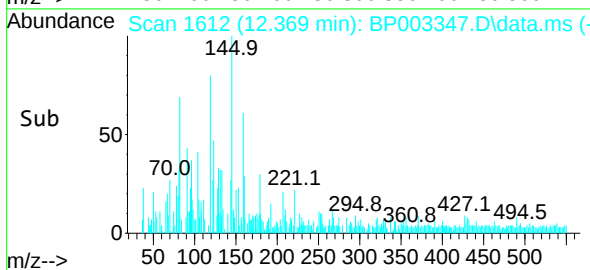
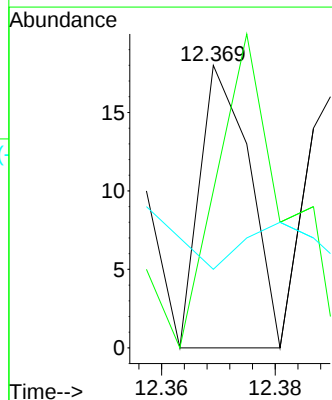
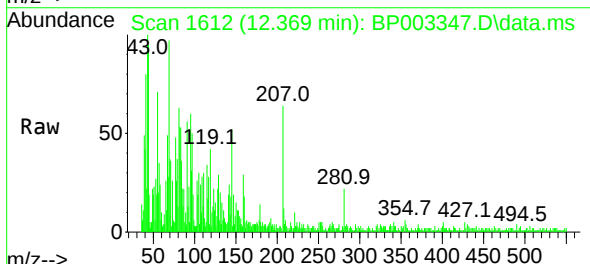
Instrument :
BNA_P
ClientSampleId :
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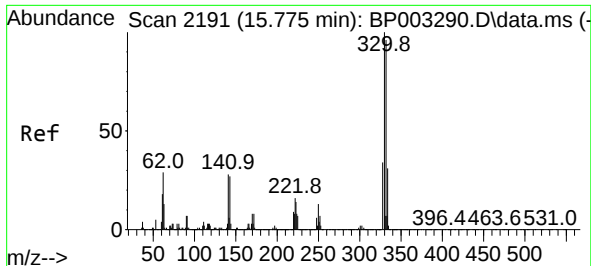
Tgt Ion:164 Resp: 496042
Ion Ratio Lower Upper
164 100
162 100.7 79.4 119.2
160 44.7 36.1 54.1



#41
Hexachlorocyclopentadiene
Concen: 6.84 ng
RT: 12.369 min Scan# 1612
Delta R.T. -0.012 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

Tgt Ion:237 Resp: 11
Ion Ratio Lower Upper
237 100
235 55.6 43.2 83.2
272 27.8 0.0 33.3

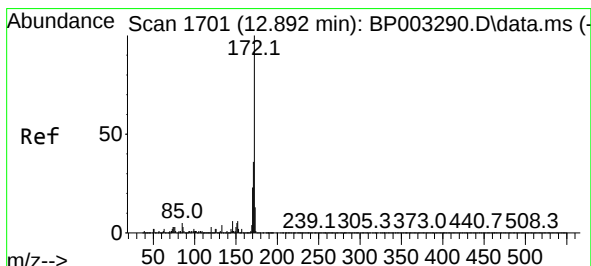
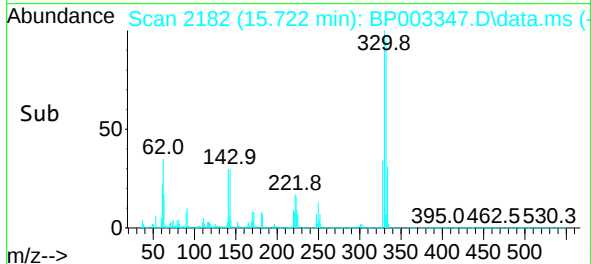
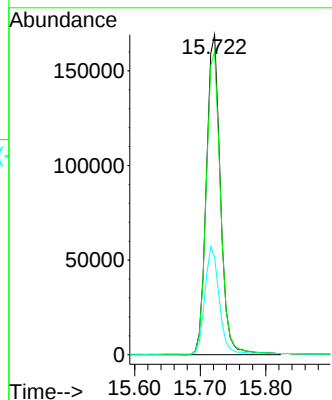
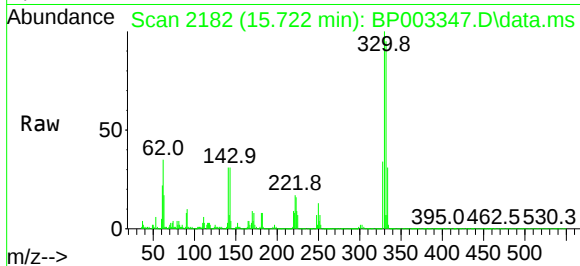




#42
2,4,6-Tribromophenol
Concen: 33.46 ng
RT: 15.722 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

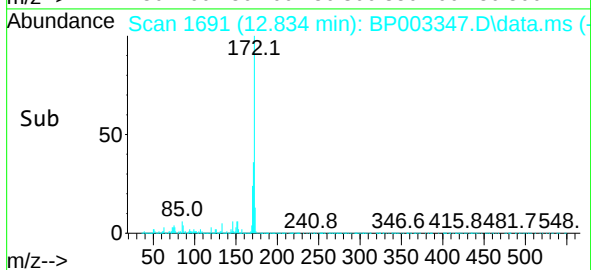
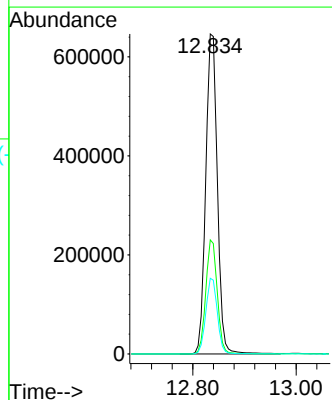
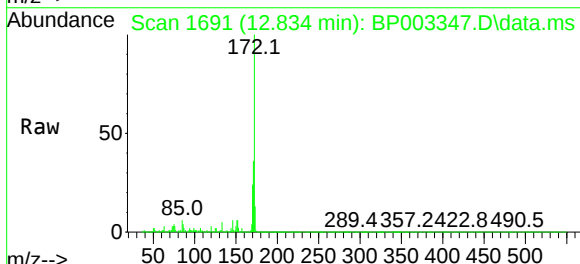
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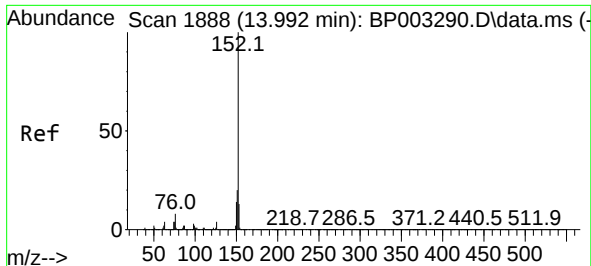
Tgt Ion:330 Resp: 253151
Ion Ratio Lower Upper
330 100
332 97.4 77.1 115.7
141 33.8 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 29.70 ng
RT: 12.834 min Scan# 1691
Delta R.T. -0.006 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

Tgt Ion:172 Resp: 1007466
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.7 19.2 28.8

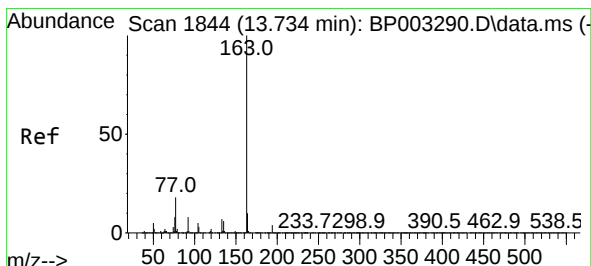
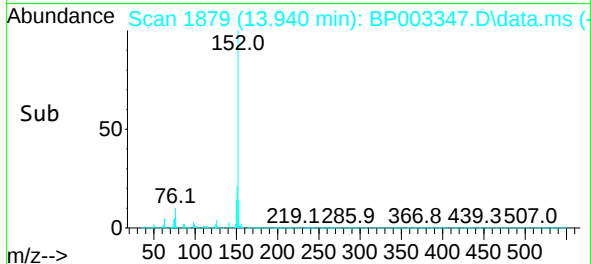
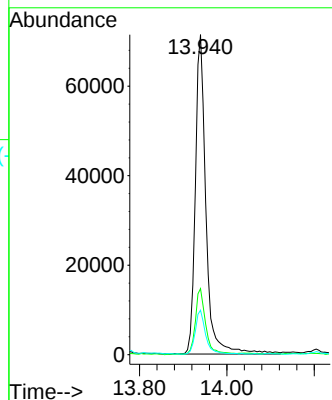
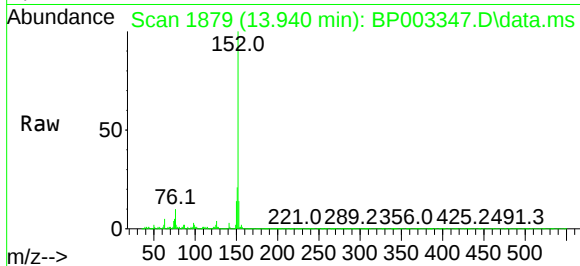




#49
Acenaphthylene
Concen: 2.59 ng
RT: 13.940 min Scan# 1879
Delta R.T. 0.000 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

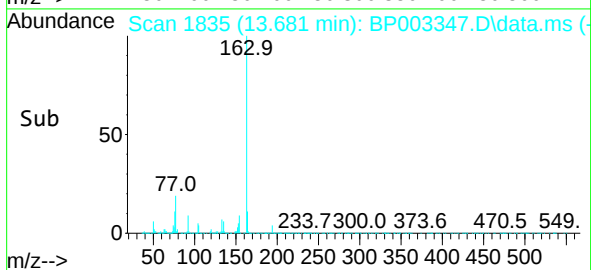
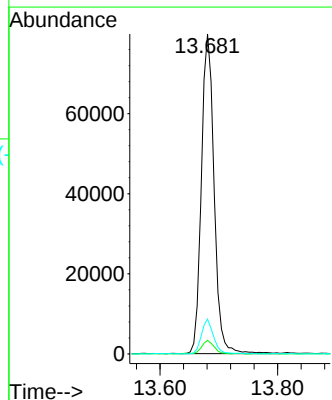
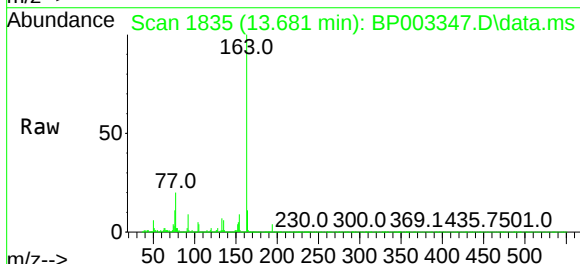
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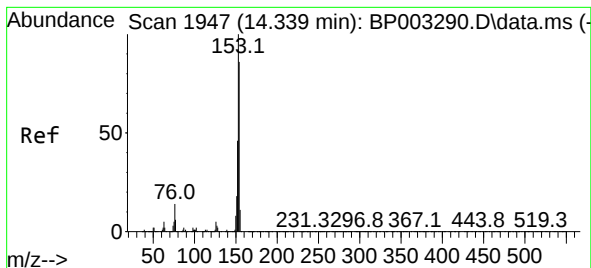
Tgt Ion:152 Resp: 121077
Ion Ratio Lower Upper
152 100
151 20.7 15.9 23.9
153 13.9 10.5 15.7



#50
Dimethylphthalate
Concen: 3.02 ng
RT: 13.681 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

Tgt Ion:163 Resp: 119456
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.9 8.2 12.2





#52

Acenaphthene

Concen: 2.01 ng

RT: 14.287 min Scan# 1938

Delta R.T. 0.000 min

Lab File: BP003347.D

Acq: 22 Sep 2020 19:45

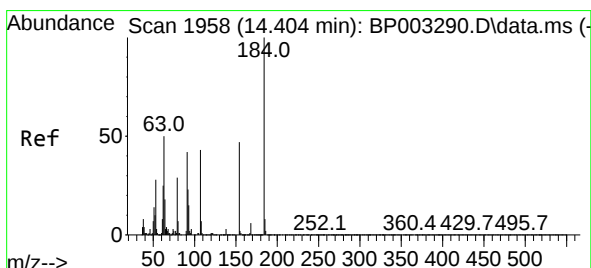
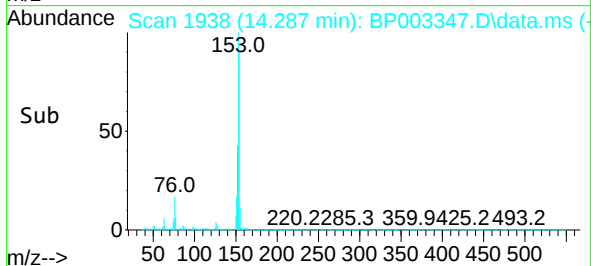
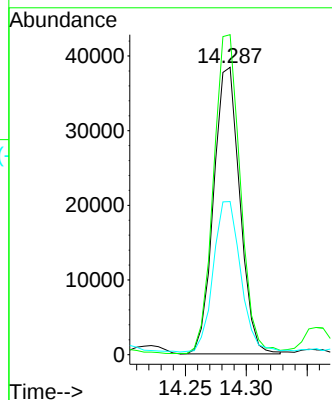
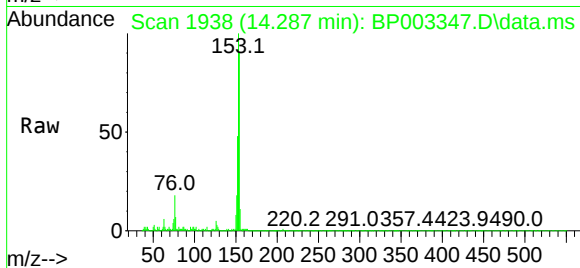
Tgt Ion:154 Resp: 57324

Ion Ratio Lower Upper

154 100

153 111.4 91.0 136.6

152 53.3 43.0 64.6



#54

2,4-Dinitrophenol

Concen: 7.26 ng

RT: 14.381 min Scan# 1954

Delta R.T. 0.024 min

Lab File: BP003347.D

Acq: 22 Sep 2020 19:45

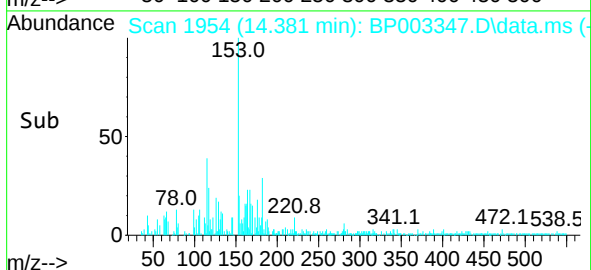
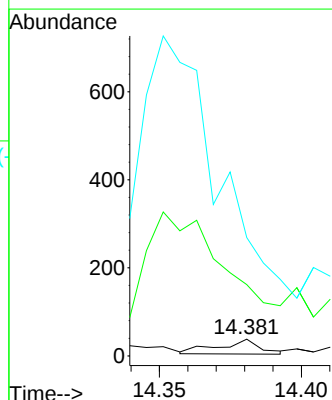
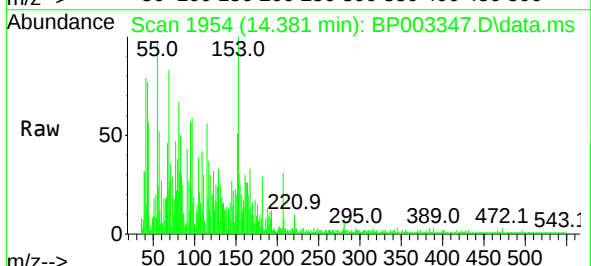
Tgt Ion:184 Resp: 34

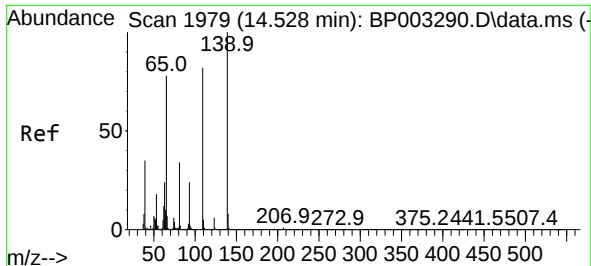
Ion Ratio Lower Upper

184 100

63 426.3 32.3 48.5#

154 707.9 49.1 73.7#

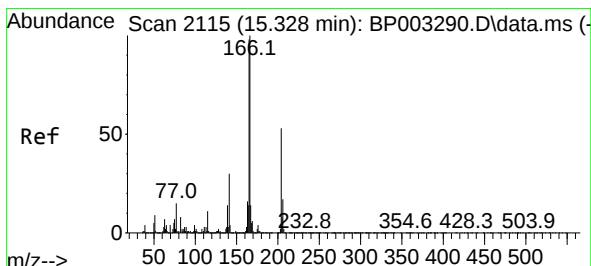
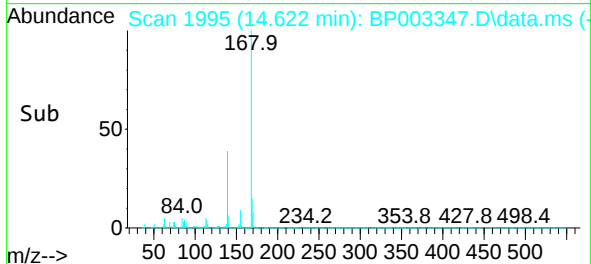
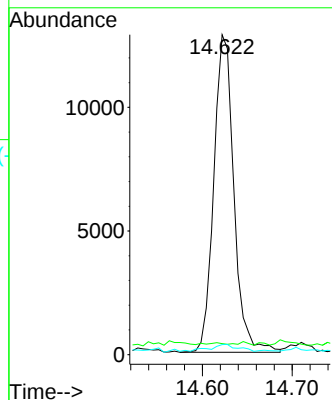
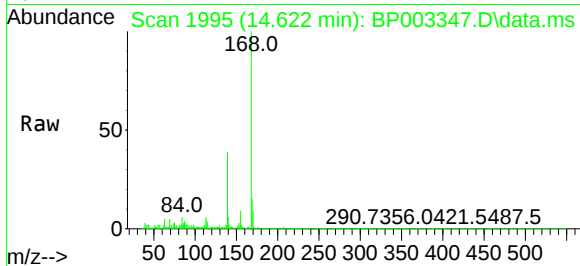




#56
4-Nitrophenol
Concen: 3.55 ng
RT: 14.622 min Scan# 1995
Delta R.T. 0.147 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

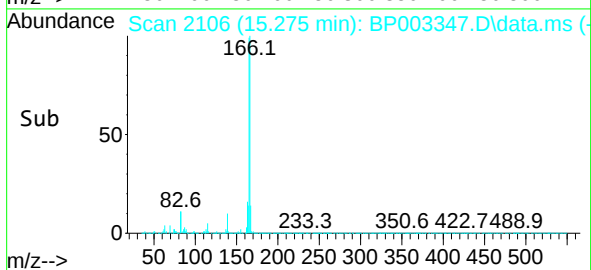
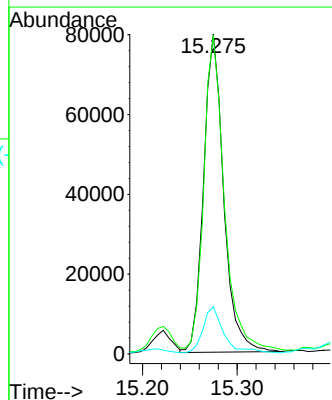
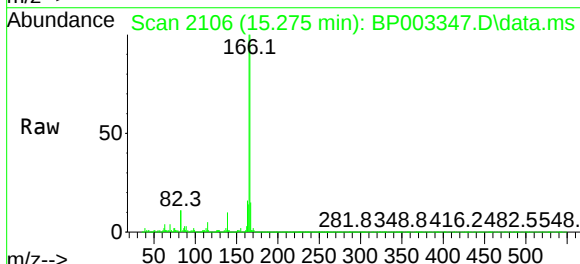
Instrument :
BNA_P
ClientSampleId :
OK-01-092120

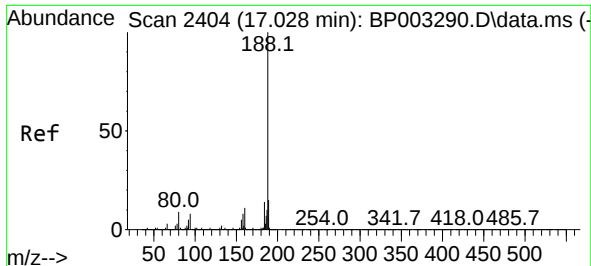
Tgt Ion:	139	Resp:	19966
Ion	Ratio	Lower	Upper
139	100		
109	3.4	44.6	84.6#
65	3.2	41.6	81.6#



#58
Fluorene
Concen: 3.27 ng
RT: 15.275 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

Tgt Ion:	166	Resp:	117296
Ion	Ratio	Lower	Upper
166	100		
165	99.6	77.8	116.8
167	14.7	11.0	16.4

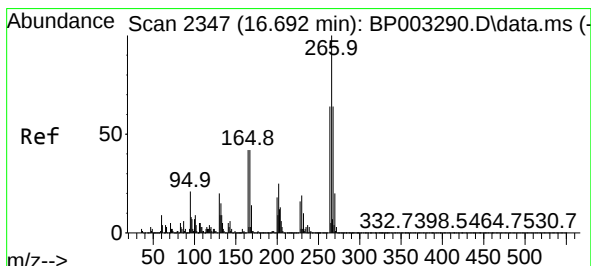
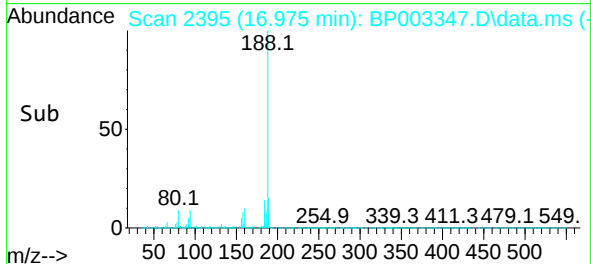
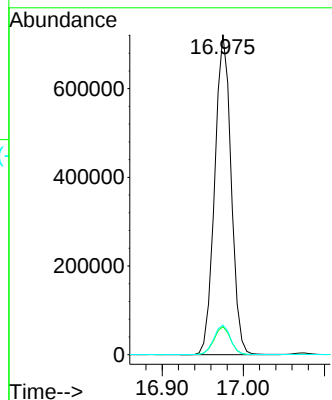
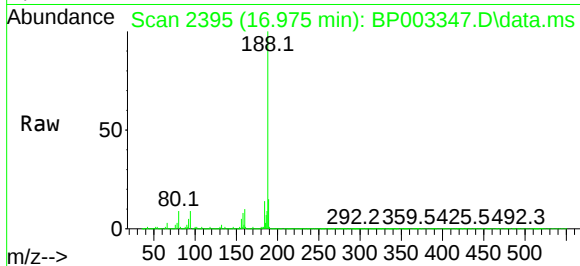




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.975 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

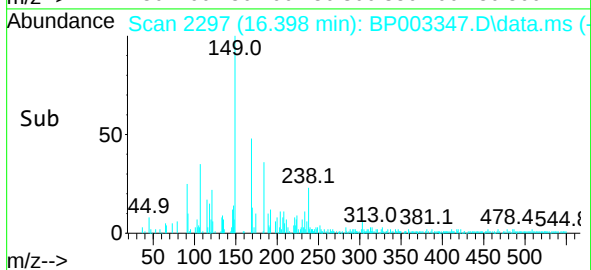
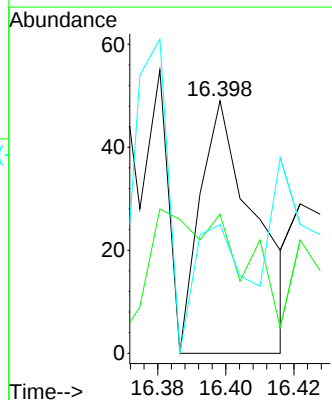
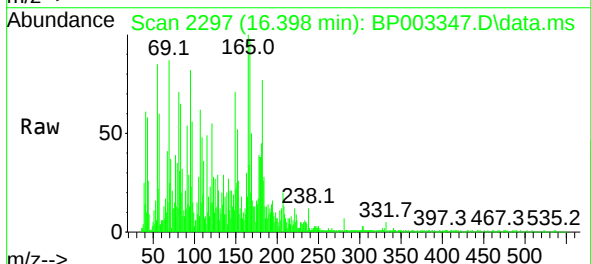
Instrument :
BNA_P
ClientSampleId :
OK-01-092120

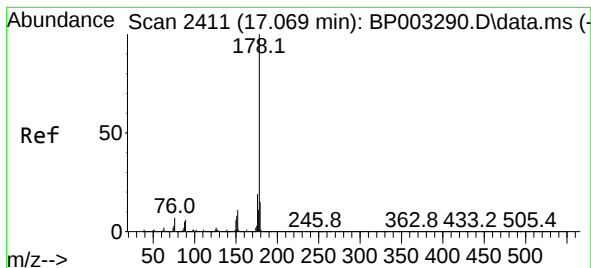
Tgt Ion:188 Resp: 1014073
Ion Ratio Lower Upper
188 100
94 8.7 6.2 9.2
80 9.2 6.2 9.2



#70
Pentachlorophenol
Concen: 6.78 ng
RT: 16.398 min Scan# 2297
Delta R.T. -0.241 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

Tgt Ion:266 Resp: 55
Ion Ratio Lower Upper
266 100
268 55.1 51.1 76.7
264 51.0 50.6 76.0

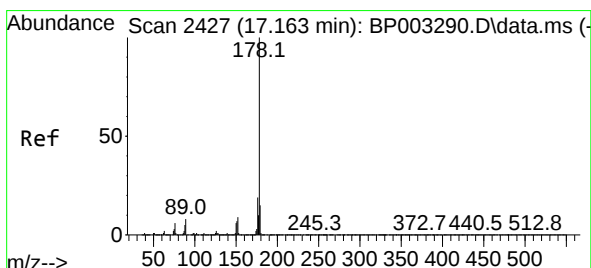
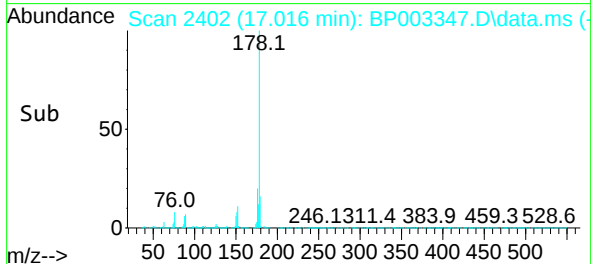
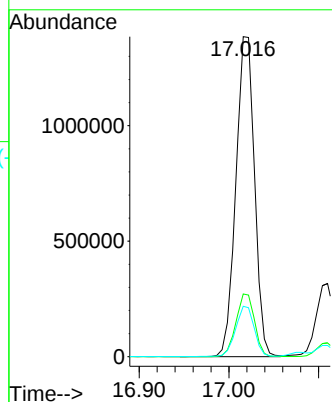
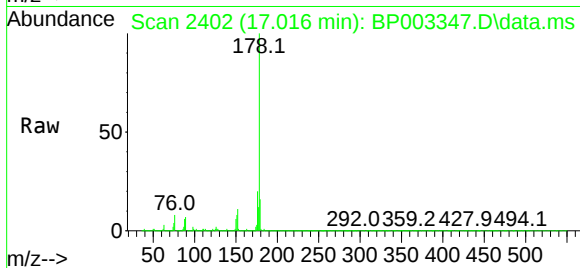




#71
Phenanthrene
Concen: 36.22 ng
RT: 17.016 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

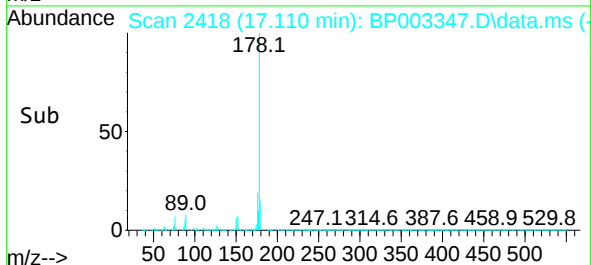
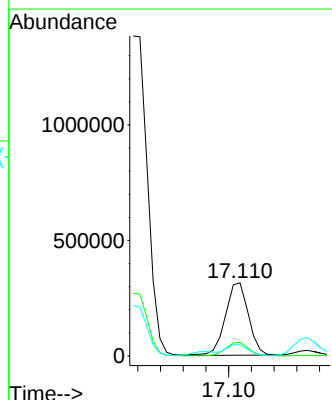
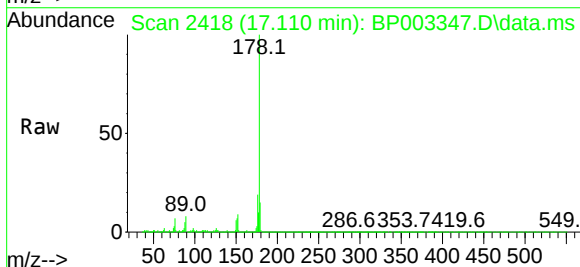
Instrument :
BNA_P
ClientSampleId :
OK-01-092120

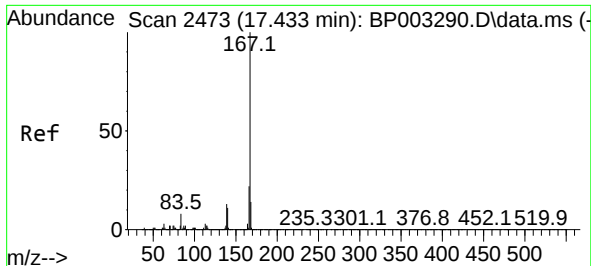
Tgt Ion:178 Resp: 1998455
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.7 12.5 18.7



#72
Anthracene
Concen: 8.13 ng
RT: 17.110 min Scan# 2418
Delta R.T. 0.006 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

Tgt Ion:178 Resp: 442055
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.3 12.5 18.7

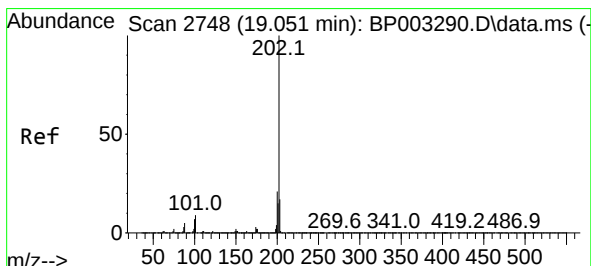
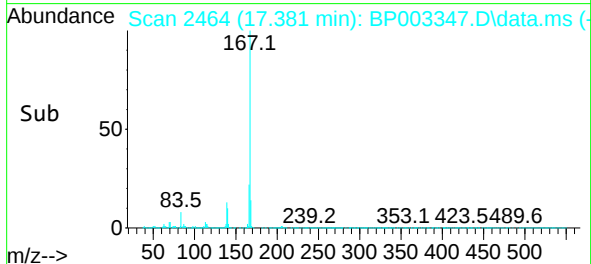
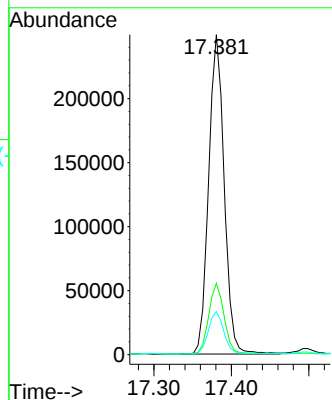
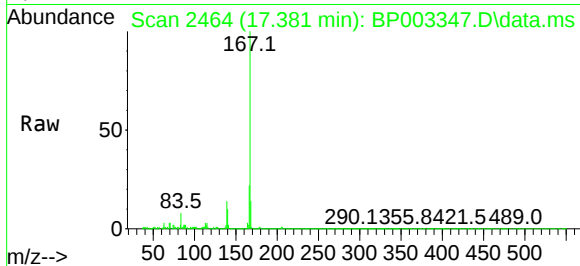




#73
 Carbazole
 Concen: 6.72 ng
 RT: 17.381 min Scan# 2464
 Delta R.T. 0.000 min
 Lab File: BP003347.D
 Acq: 22 Sep 2020 19:45

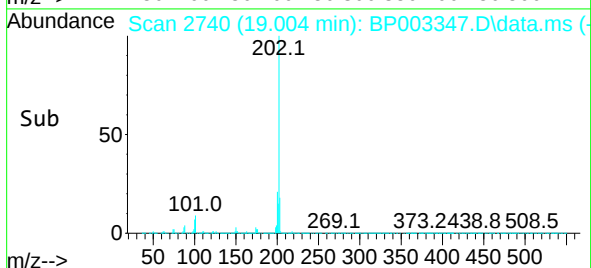
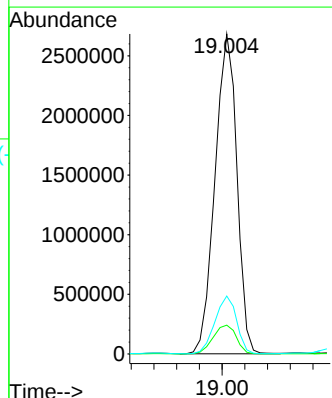
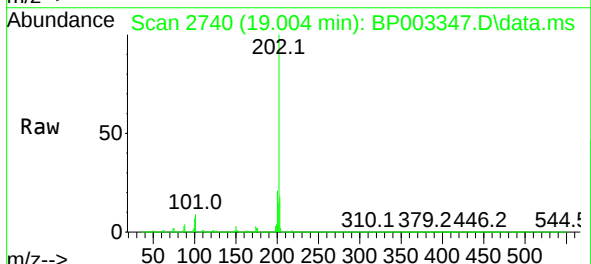
Instrument :
 BNA_P
 ClientSampleId :
 OK-01-092120

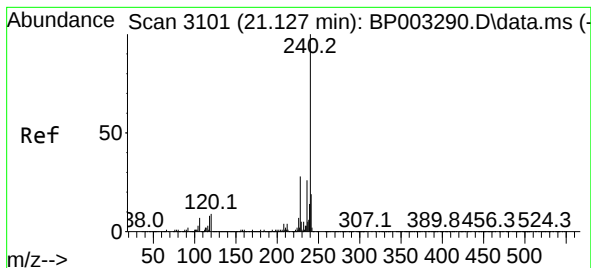
Tgt Ion:	167	Resp:	347091
Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.6	26.4
139	13.5	10.2	15.4



#75
 Fluoranthene
 Concen: 51.79 ng
 RT: 19.004 min Scan# 2740
 Delta R.T. 0.006 min
 Lab File: BP003347.D
 Acq: 22 Sep 2020 19:45

Tgt Ion:	202	Resp:	3592983
Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	29.4
203	18.1	0.0	37.8

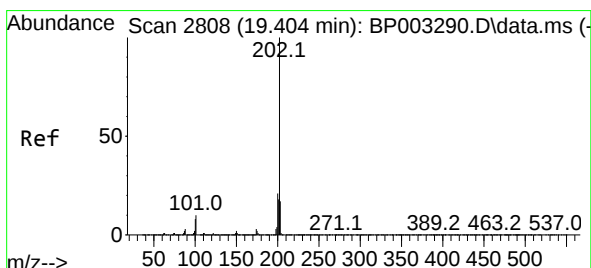
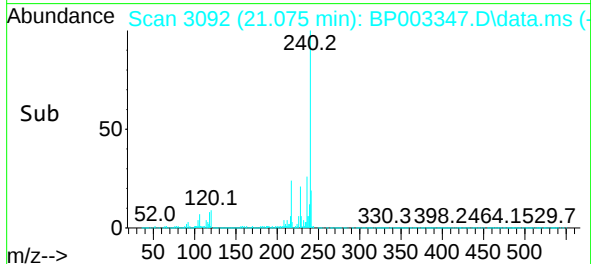
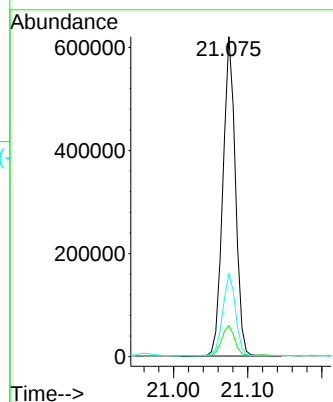
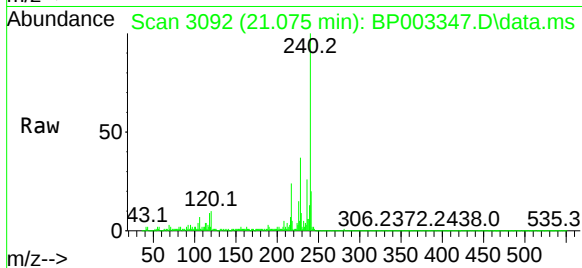




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.075 min Scan# 3092
Delta R.T. 0.006 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

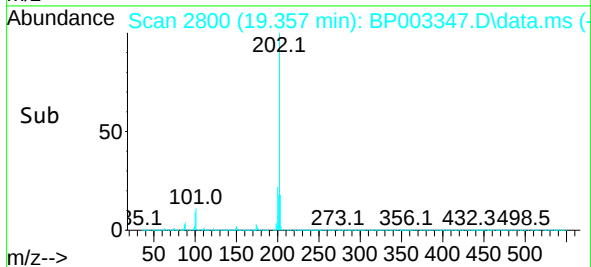
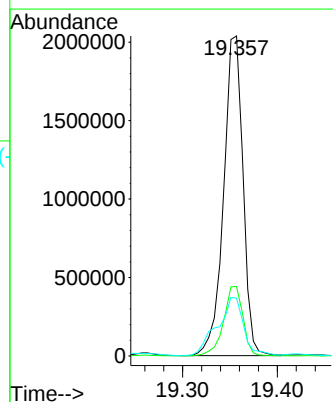
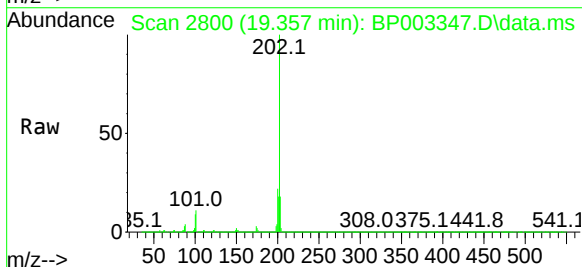
Instrument :
BNA_P
ClientSampleId :
OK-01-092120

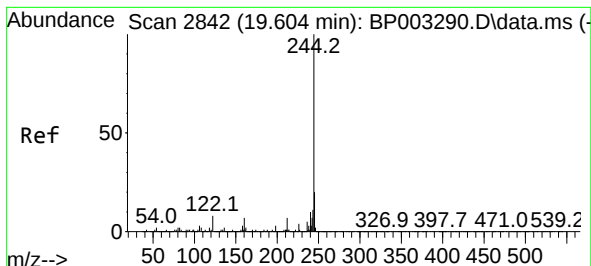
Tgt Ion:240 Resp: 729311
Ion Ratio Lower Upper
240 100
120 9.7 7.8 11.6
236 25.7 20.8 31.2



#78
Pyrene
Concen: 63.86 ng
RT: 19.357 min Scan# 2800
Delta R.T. 0.006 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

Tgt Ion:202 Resp: 2904657
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 18.1 14.2 21.2





#79

Terphenyl-d14

Concen: 34.42 ng

RT: 19.557 min Scan# 2834

Delta R.T. 0.006 min

Lab File: BP003347.D

Acq: 22 Sep 2020 19:45

Instrument :

BNA_P

ClientSampleId :

OK-01-092120

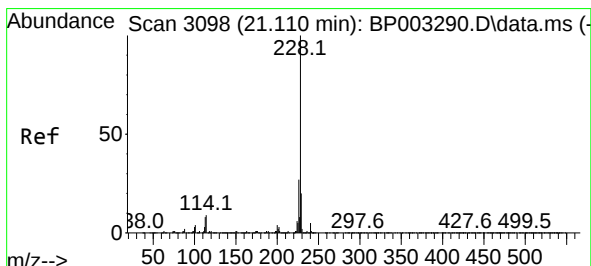
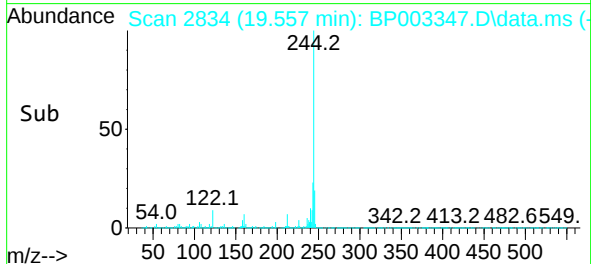
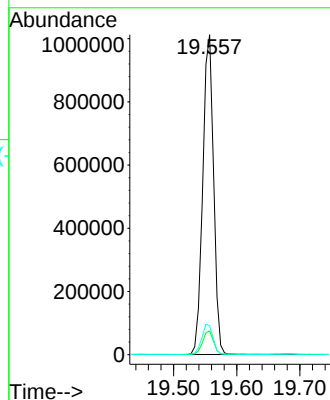
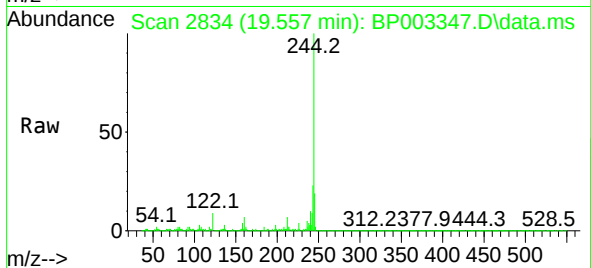
Tgt Ion:244 Resp: 1204650

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 9.0 7.8 11.8



#81

Benzo(a)anthracene

Concen: 27.83 ng

RT: 21.063 min Scan# 3090

Delta R.T. 0.006 min

Lab File: BP003347.D

Acq: 22 Sep 2020 19:45

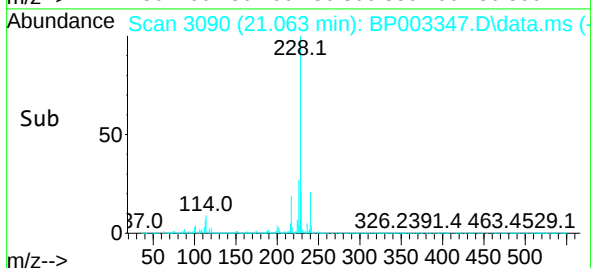
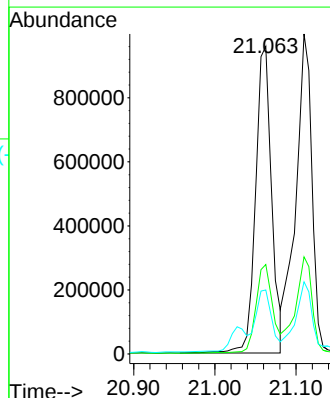
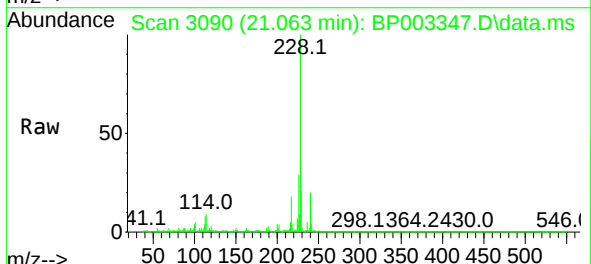
Tgt Ion:228 Resp: 1311857

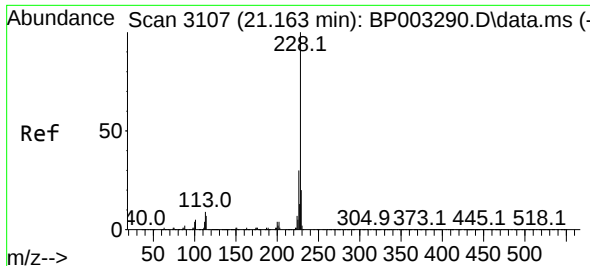
Ion Ratio Lower Upper

228 100

226 29.1 22.1 33.1

229 20.8 15.9 23.9

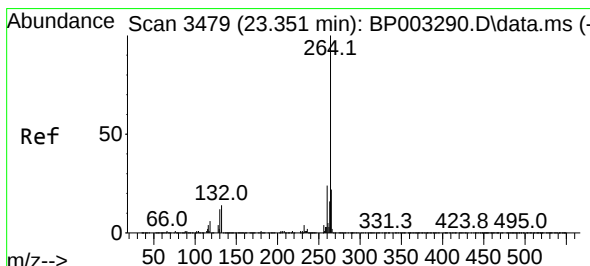
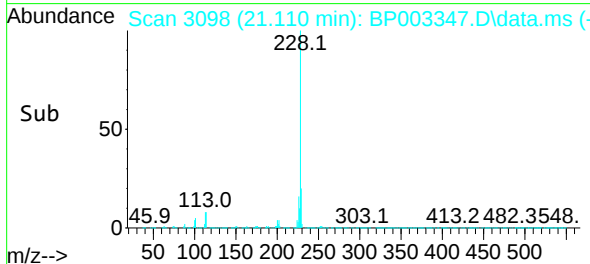
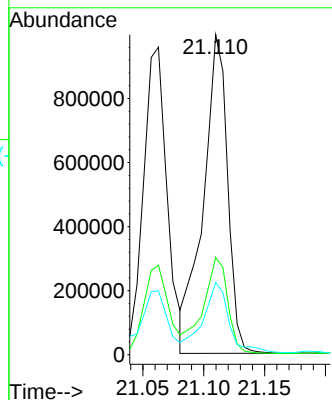
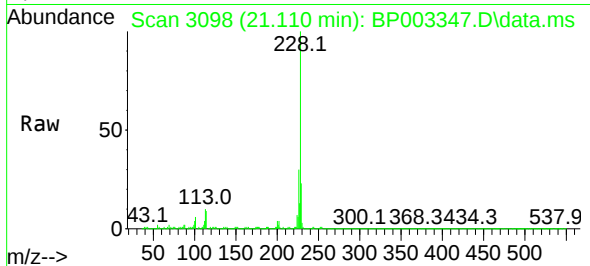




#83
Chrysene
Concen: 30.53 ng
RT: 21.110 min Scan# 3098
Delta R.T. 0.006 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

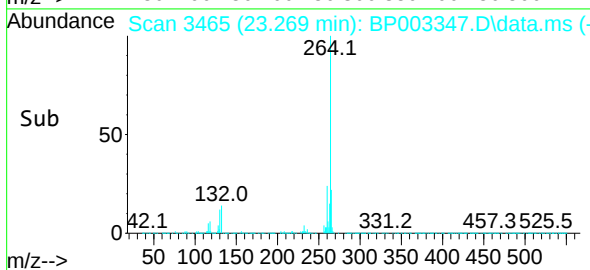
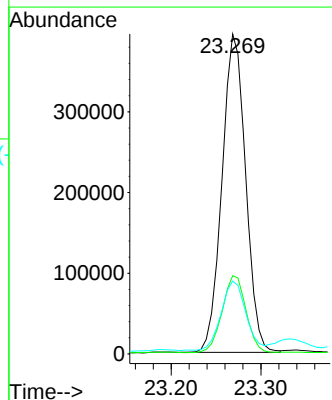
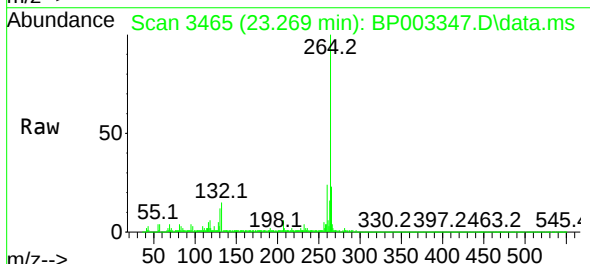
Instrument :
BNA_P
ClientSampleId :
OK-01-092120

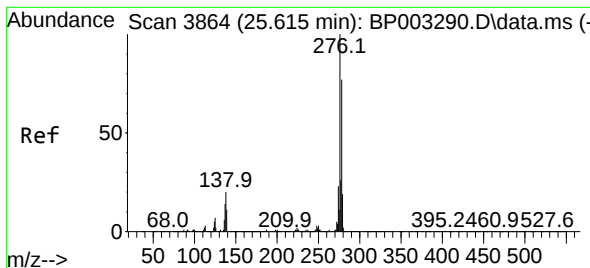
Tgt Ion:228 Resp: 1382648
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.6 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.269 min Scan# 3465
Delta R.T. 0.006 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

Tgt Ion:264 Resp: 721873
Ion Ratio Lower Upper
264 100
260 24.4 18.8 28.2
265 22.8 17.4 26.2

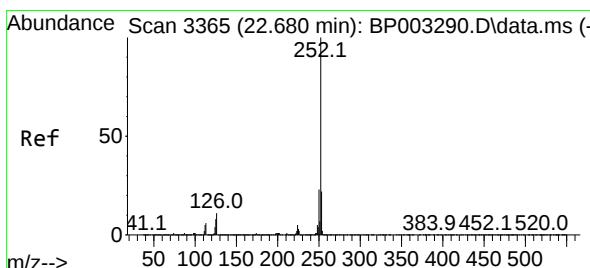
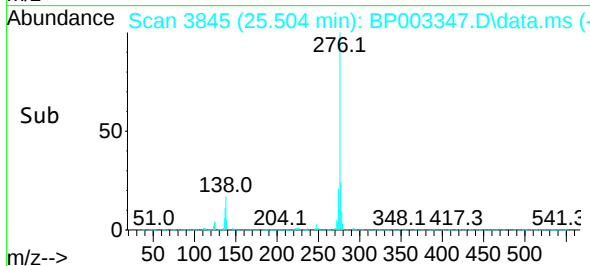
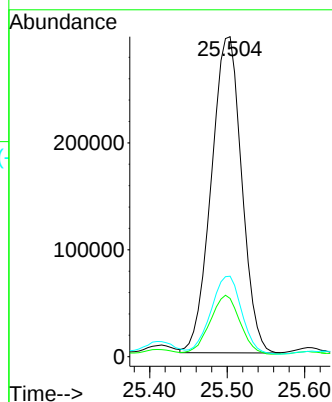
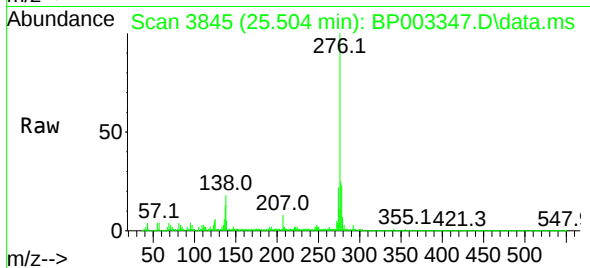




#87
Indeno(1,2,3-cd)pyrene
Concen: 14.74 ng
RT: 25.504 min Scan# 3845
Delta R.T. 0.012 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

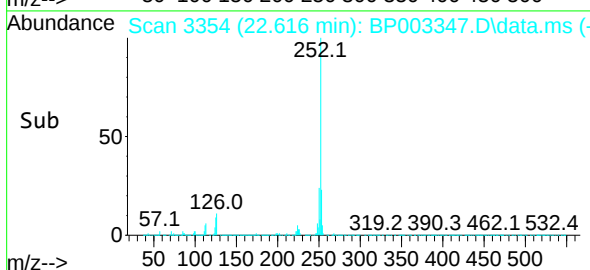
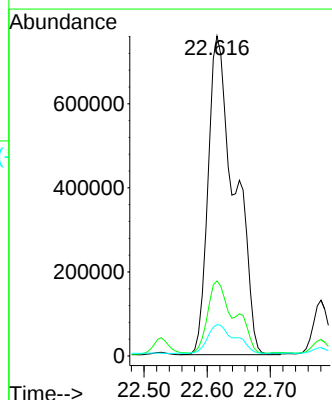
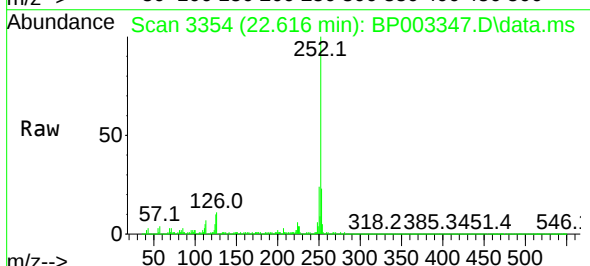
Instrument :
BNA_P
ClientSampleId :
OK-01-092120

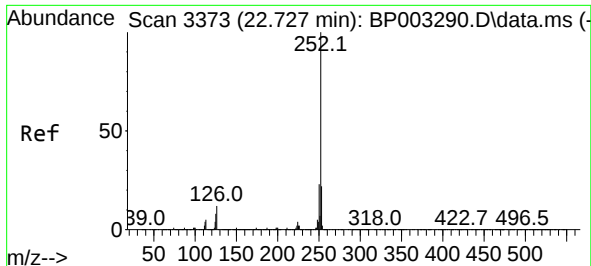
Tgt Ion:276 Resp: 806668
Ion Ratio Lower Upper
276 100
138 18.6 18.7 28.1#
277 25.0 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 48.85 ng
RT: 22.616 min Scan# 3354
Delta R.T. 0.012 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

Tgt Ion:252 Resp: 2226989
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 9.8 7.3 10.9

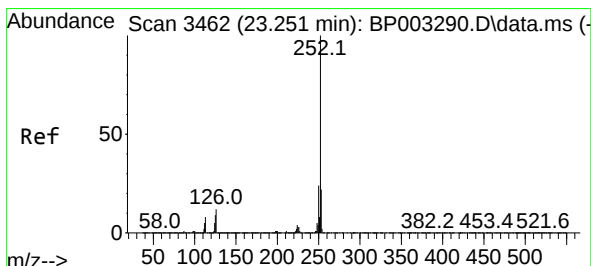
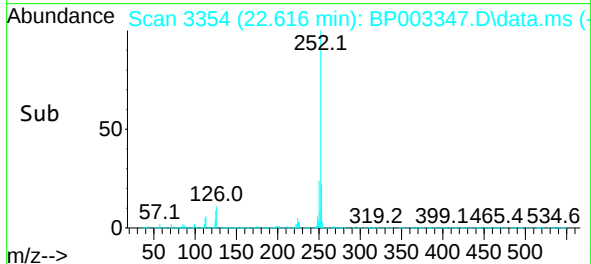
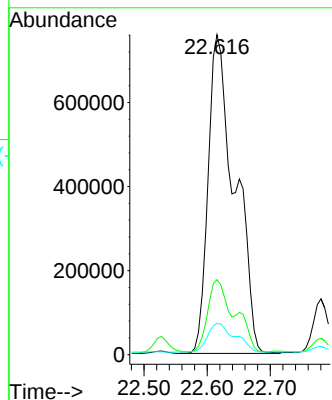
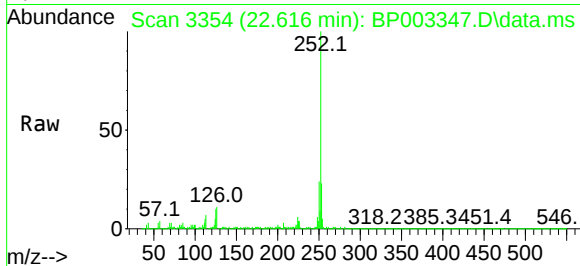




#89
Benzo(k)fluoranthene
Concen: 50.97 ng
RT: 22.616 min Scan# 3354
Delta R.T. -0.035 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

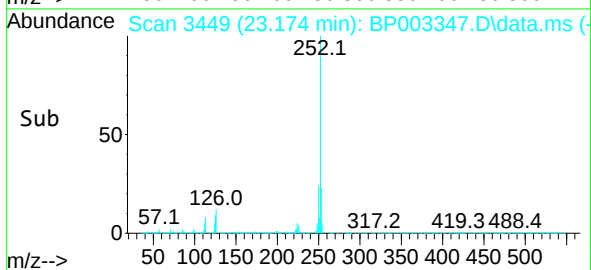
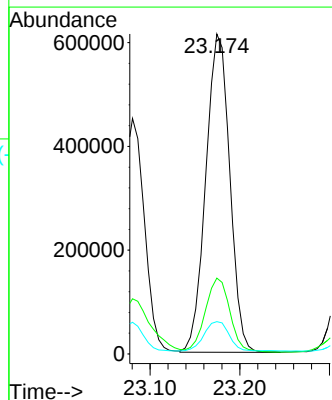
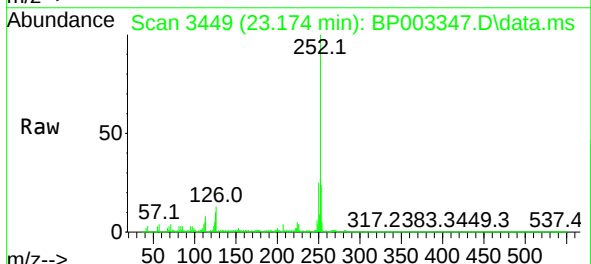
Instrument :
BNA_P
ClientSampleId :
OK-01-092120

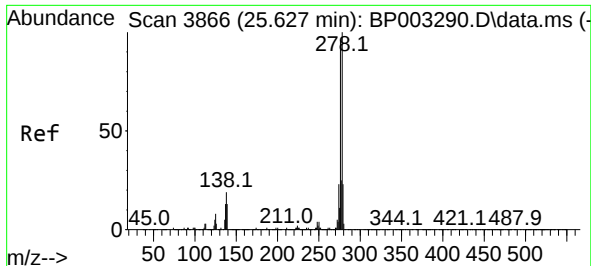
Tgt Ion:252 Resp: 2226989
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 9.8 7.4 11.2



#90
Benzo(a)pyrene
Concen: 26.49 ng
RT: 23.174 min Scan# 3449
Delta R.T. 0.006 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

Tgt Ion:252 Resp: 1138740
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 10.1 8.2 12.4

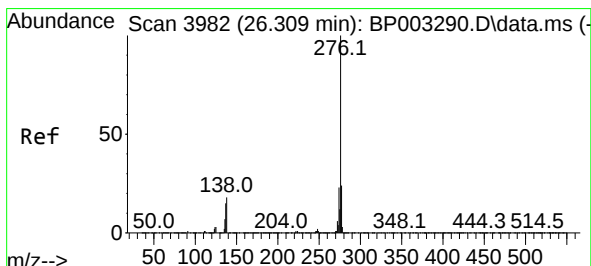
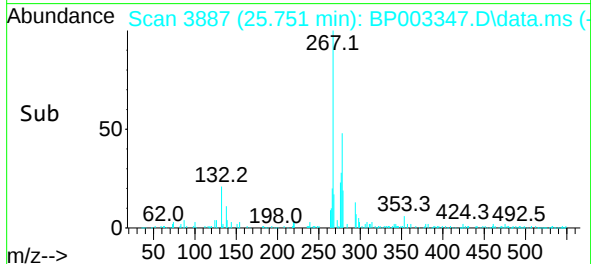
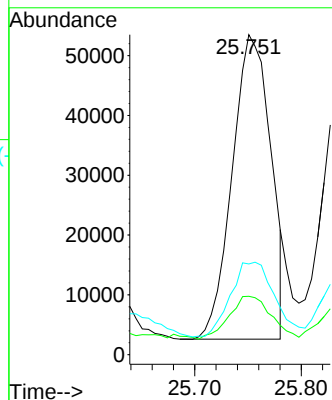
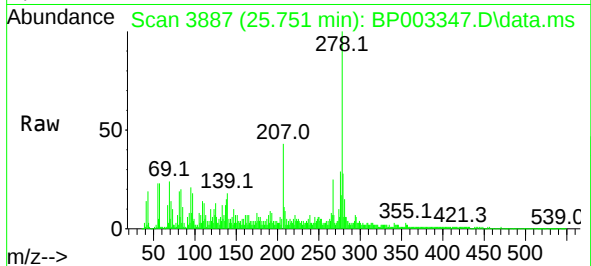




#91
Dibenzo(a,h)anthracene
Concen: 2.83 ng
RT: 25.751 min Scan# 3887
Delta R.T. 0.253 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

Instrument :
BNA_P
ClientSampleId :
OK-01-092120

Tgt Ion:278 Resp: 127700
Ion Ratio Lower Upper
278 100
139 18.3 12.4 18.6
279 28.3 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 17.68 ng
RT: 26.180 min Scan# 3960
Delta R.T. 0.018 min
Lab File: BP003347.D
Acq: 22 Sep 2020 19:45

Tgt Ion:276 Resp: 796933
Ion Ratio Lower Upper
276 100
277 24.5 19.0 28.6
138 19.4 16.6 24.8

