

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
 Data File : BP003429.D
 Acq On : 01 Oct 2020 00:01
 Operator : CG/JU
 Sample : L4172-09DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-7(9-11)DL

Quant Time: Oct 01 02:19:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 30 17:14:02 2020
 Response via : Initial Calibration

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

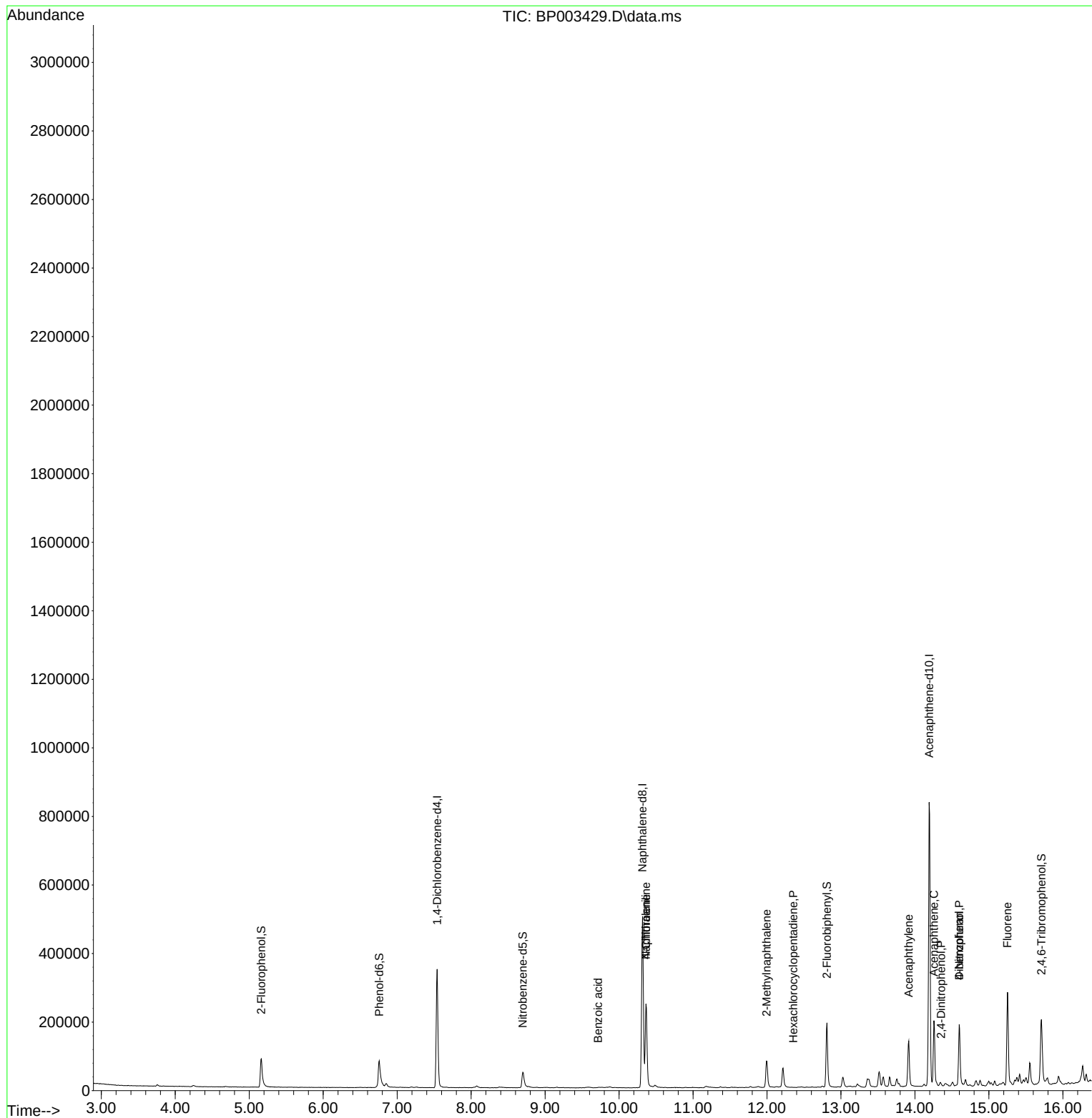
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.540	152	98609	20.00	ng	0.00
21) Naphthalene-d8	10.316	136	428535	20.00	ng	# 0.00
39) Acenaphthene-d10	14.193	164	280762	20.00	ng	0.00
64) Phenanthrene-d10	16.957	188	641498	20.00	ng	# 0.01
76) Chrysene-d12	21.145	240	614607	20.00	ng	0.08
86) Perylene-d12	23.592	264	420797	20.00	ng	0.34
System Monitoring Compounds						
5) 2-Fluorophenol	5.164	112	52516	9.30	ng	0.01
7) Phenol-d6	6.758	99	70651	9.39	ng	0.02
23) Nitrobenzene-d5	8.699	82	39508	5.42	ng	0.01
42) 2,4,6-Tribromophenol	15.710	330	28985	6.77	ng	0.02
45) 2-Fluorobiphenyl	12.810	172	101888	5.31	ng	0.00
79) Terphenyl-d14	19.563	244	157071	5.32	ng	0.03
Target Compounds						Qvalue
31) Naphthalene	10.363	128	206907	9.14	ng	99
32) Benzoic acid	9.716	122	41	9.16	ng	# 19
33) 4-Chloroaniline	10.363	127	27388	2.85	ng	# 36
37) 2-Methylnaphthalene	11.993	142	43045	2.62	ng	92
41) Hexachlorocyclopentadiene	12.357	237	24	6.85	ng	78
49) Acenaphthylene	13.916	152	95470	3.60	ng	99
52) Acenaphthene	14.257	154	65837	4.08	ng	98
54) 2,4-Dinitrophenol	14.351	184	29	7.26	ng	# 1
55) Dibenzofuran	14.598	168	115227	4.48	ng	94
56) 4-Nitrophenol	14.598	139	44263	13.91	ng	# 21
58) Fluorene	15.251	166	119408	5.87	ng	97
70) Pentachlorophenol	16.828	266	27	6.78	ng	91
71) Phenanthrene	17.004	178	1374690	39.39	ng	100
72) Anthracene	17.092	178	390292	11.35	ng	99
73) Carbazole	17.381	167	198573	6.08	ng	99
75) Fluoranthene	19.004	202	1750467	39.89	ng	99
78) Pyrene	19.363	202	1377552	35.94	ng	100
81) Benzo(a)anthracene	21.127	228	738808	18.60	ng	# 93
83) Chrysene	21.127	228	738808	19.36	ng	# 93
88) Benzo(b)fluoranthene	22.851	252	1108682	41.72	ng	# 94
89) Benzo(k)fluoranthene	22.851	252	1103434	43.33	ng	# 95
90) Benzo(a)pyrene	23.451	252	467313	18.65	ng	# 84

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

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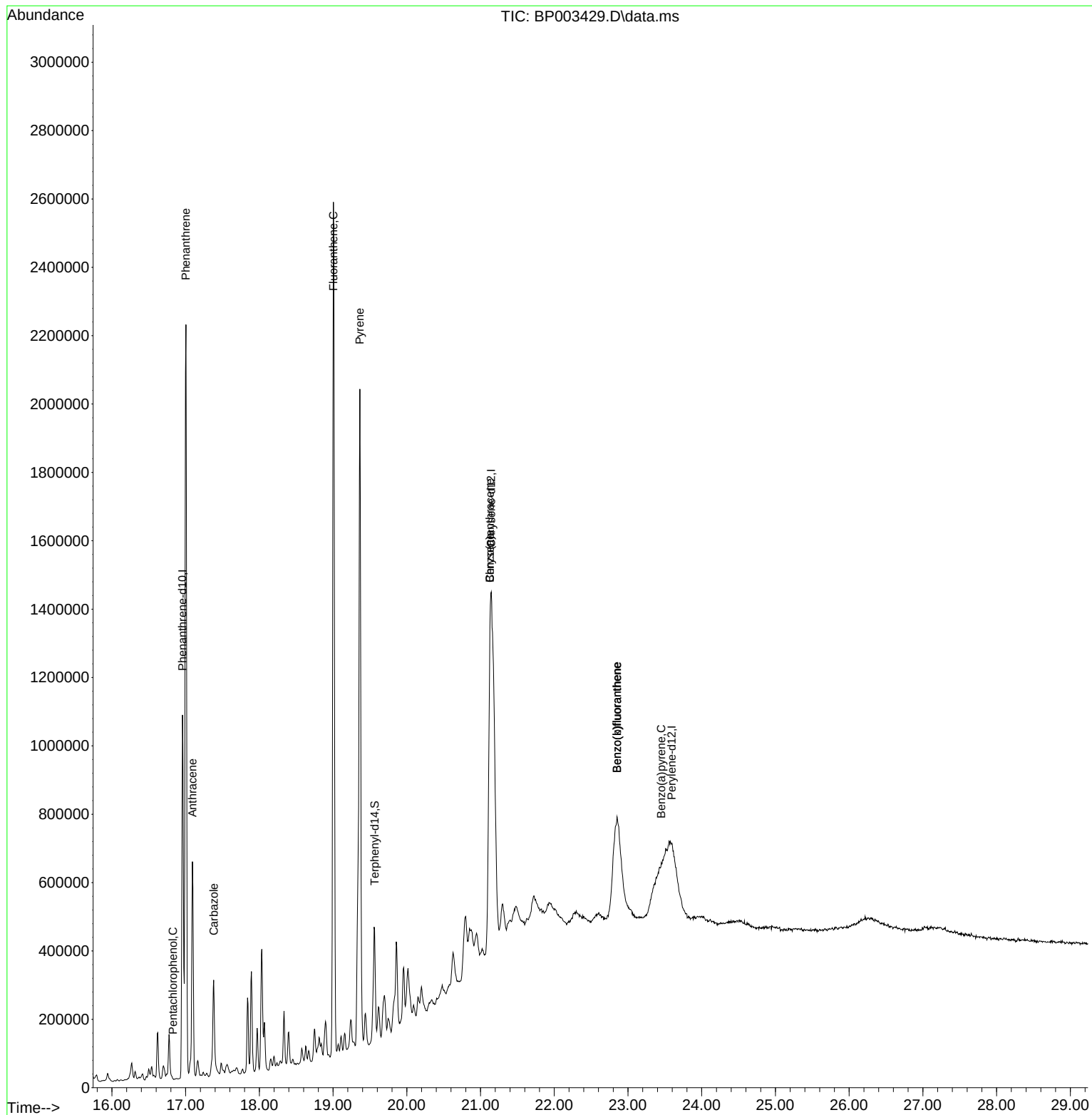
Quant Time: Oct 01 02:19:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 30 17:14:02 2020
Response via : Initial Calibration

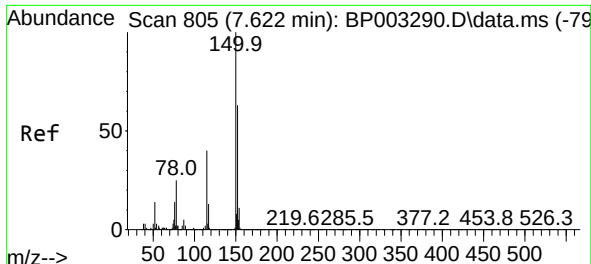


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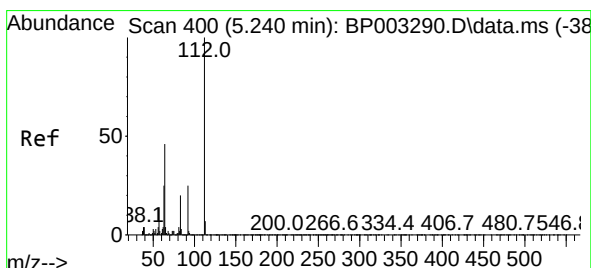
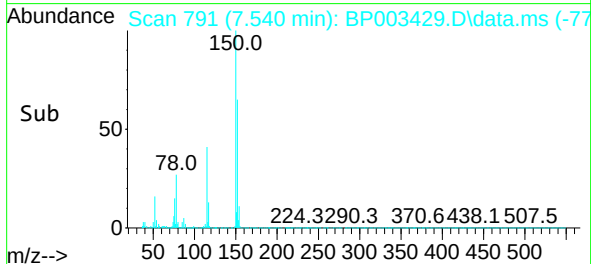
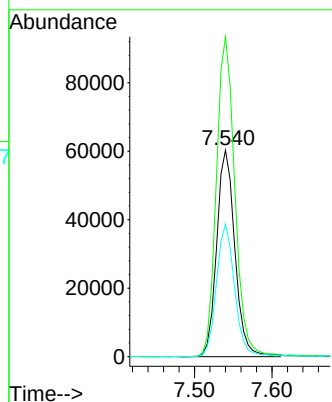
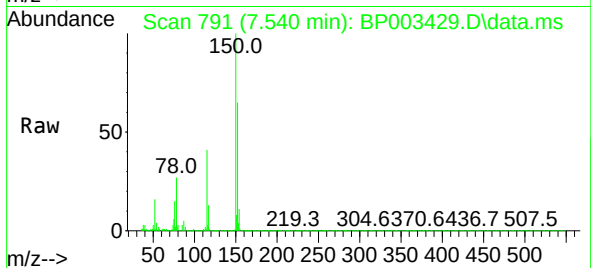




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.540 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

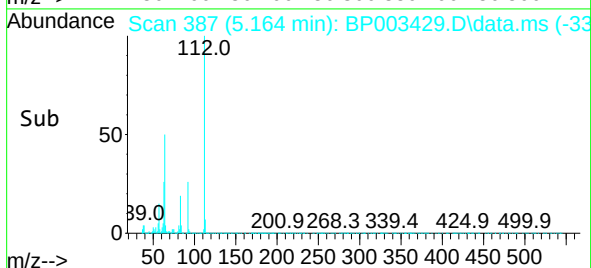
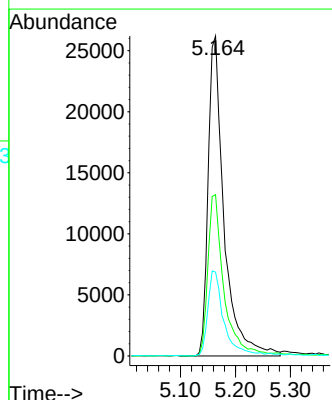
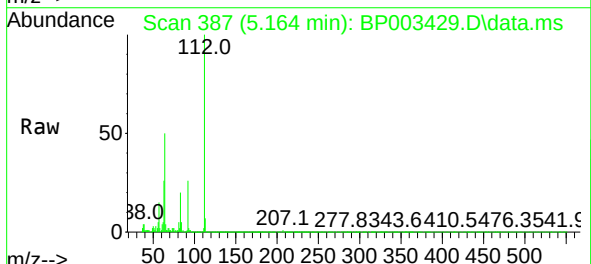
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

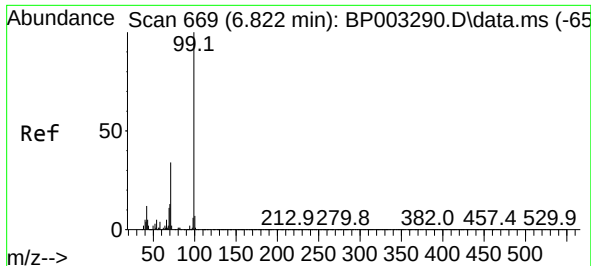
Tgt Ion:152 Resp: 98609
Ion Ratio Lower Upper
152 100
150 154.9 123.8 185.6
115 64.1 43.8 65.6



#5
2-Fluorophenol
Concen: 9.30 ng
RT: 5.164 min Scan# 387
Delta R.T. 0.012 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:112 Resp: 52516
Ion Ratio Lower Upper
112 100
64 50.4 32.8 49.2#
63 26.2 17.0 25.4#

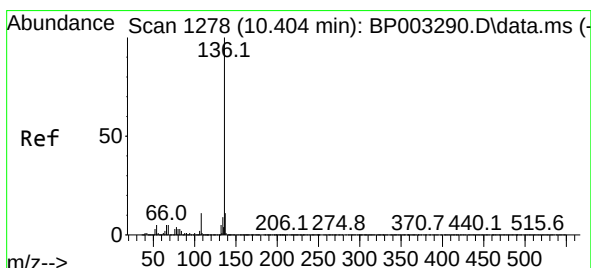
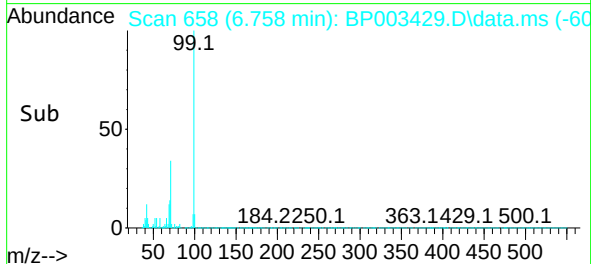
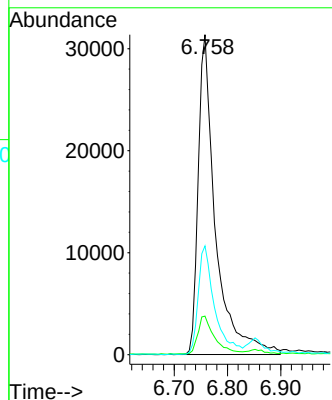
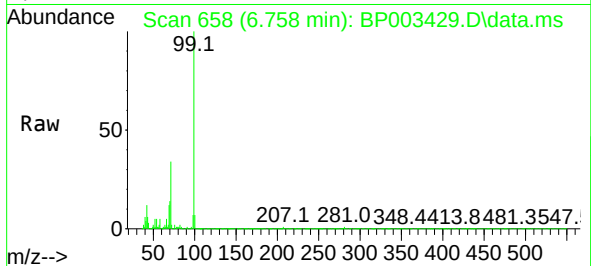




#7
Phenol-d6
Concen: 9.39 ng
RT: 6.758 min Scan# 658
Delta R.T. 0.018 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

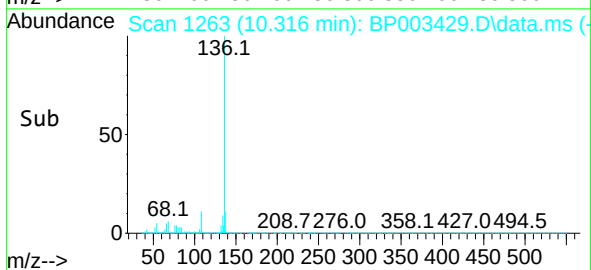
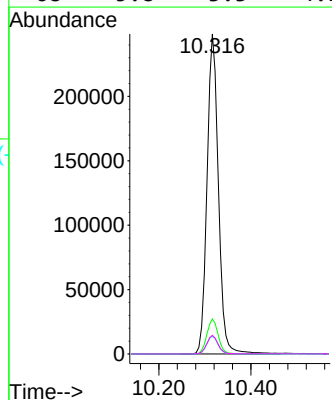
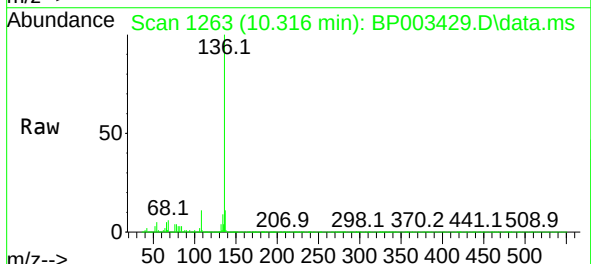
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

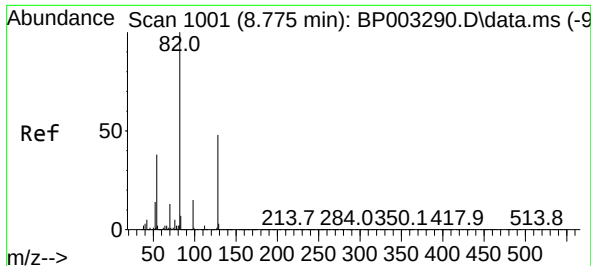
Tgt Ion: 99 Resp: 70651
Ion Ratio Lower Upper
99 100
42 12.0 8.6 13.0
71 34.0 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.316 min Scan# 1263
Delta R.T. 0.006 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion: 136 Resp: 428535
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 5.5 3.6 5.4#
68 5.8 3.3 4.9#

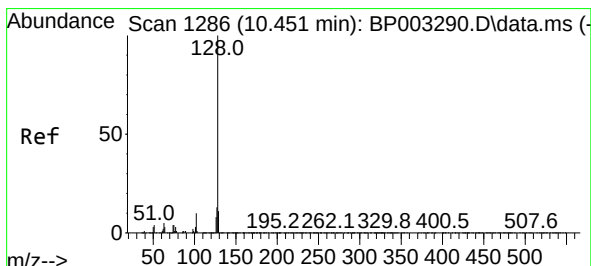
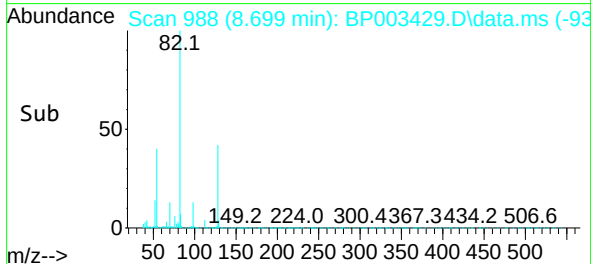
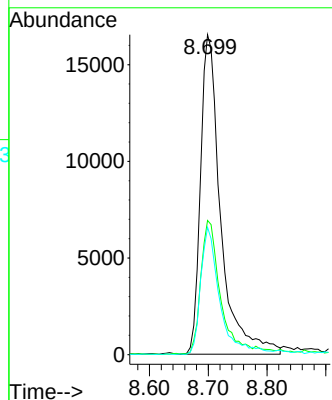
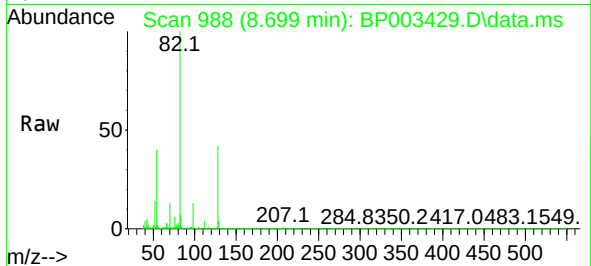




#23
Nitrobenzene-d5
Concen: 5.42 ng
RT: 8.699 min Scan# 988
Delta R.T. 0.012 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

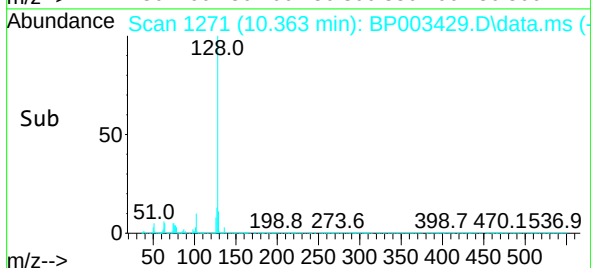
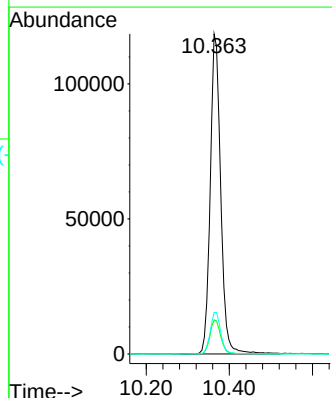
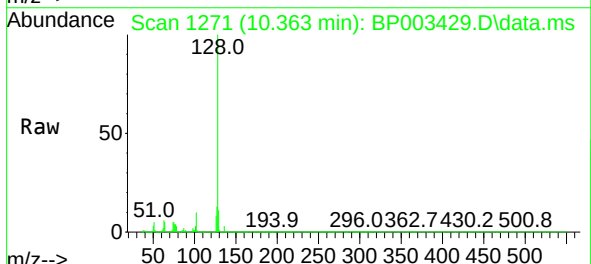
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ClientSampleId :
B-7(9-11)DL

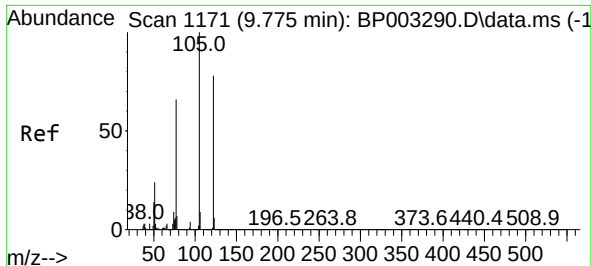
Tgt Ion: 82 Resp: 39508
Ion Ratio Lower Upper
82 100
128 42.0 45.6 68.4#
54 39.8 30.1 45.1



#31
Naphthalene
Concen: 9.14 ng
RT: 10.363 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion: 128 Resp: 206907
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.0 10.6 15.8

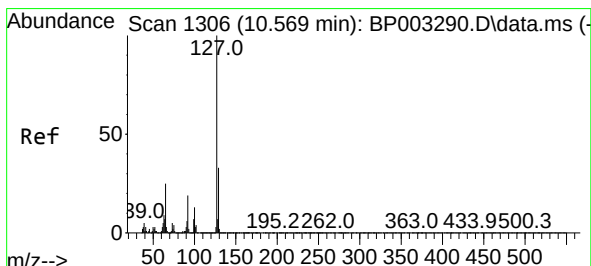
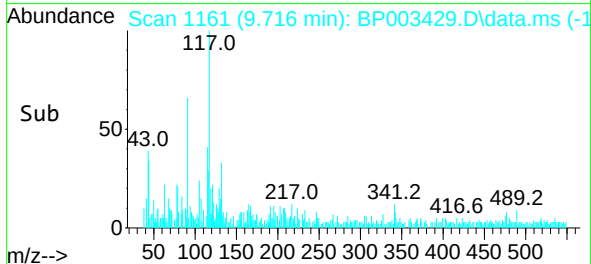
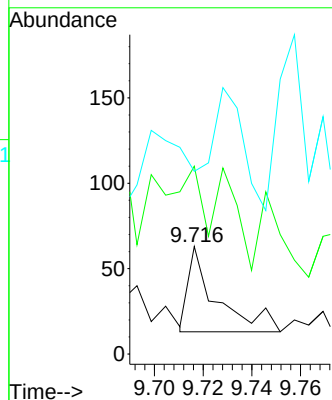
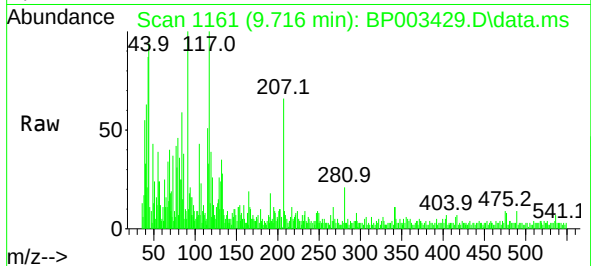




#32
Benzoic acid
Concen: 9.16 ng
RT: 9.716 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

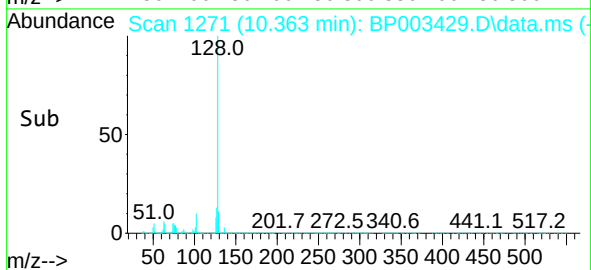
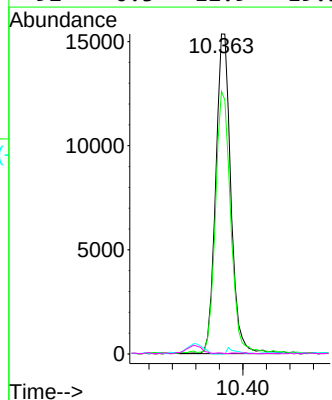
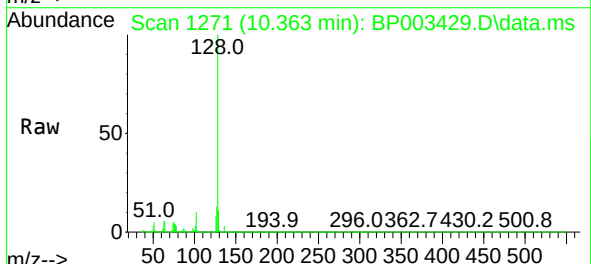
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B-7(9-11)DL

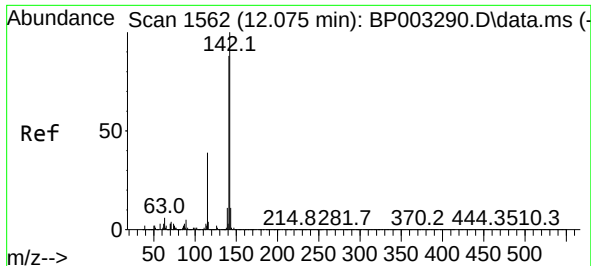
Tgt Ion:	122	Resp:	41
Ion	Ratio	Lower	Upper
122	100		
105	174.6	94.1	134.1#
77	169.8	50.1	90.1#



#33
4-Chloroaniline
Concen: 2.85 ng
RT: 10.363 min Scan# 1271
Delta R.T. -0.118 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:	127	Resp:	27388
Ion	Ratio	Lower	Upper
127	100		
129	82.1	25.7	38.5#
65	0.0	17.3	25.9#
92	0.3	12.9	19.3#

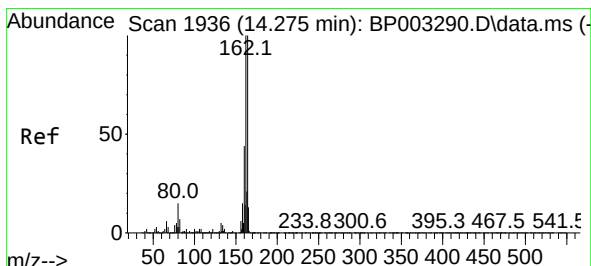
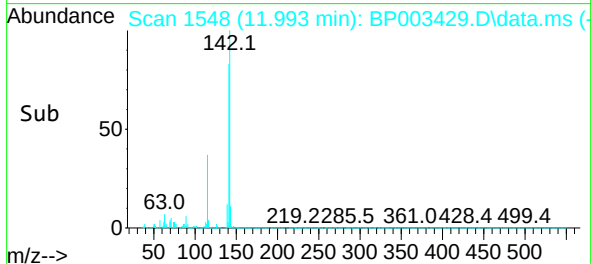
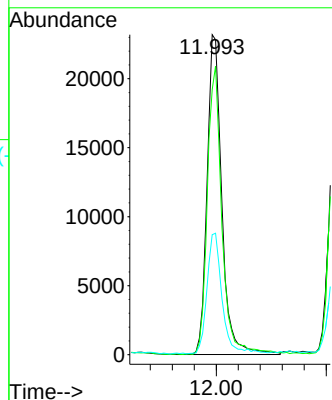
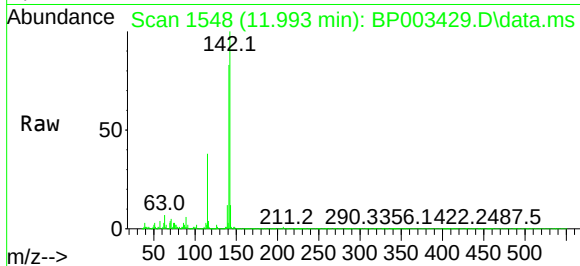




#37
2-Methylnaphthalene
Concen: 2.62 ng
RT: 11.993 min Scan# 1548
Delta R.T. 0.006 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

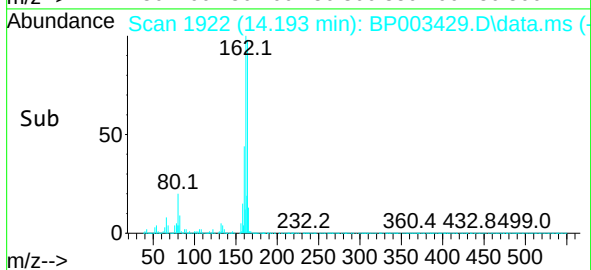
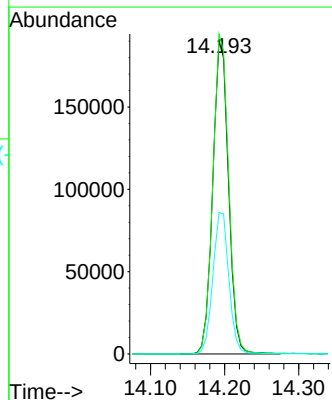
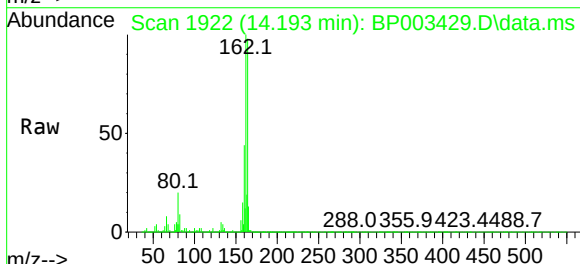
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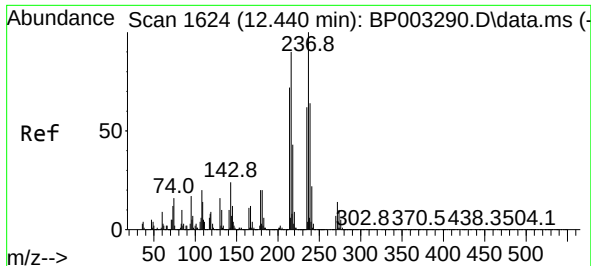
Tgt Ion:142 Resp: 43045
Ion Ratio Lower Upper
142 100
141 82.8 71.4 107.2
115 37.5 25.8 38.6



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.193 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:164 Resp: 280762
Ion Ratio Lower Upper
164 100
162 102.3 79.4 119.2
160 45.2 36.1 54.1

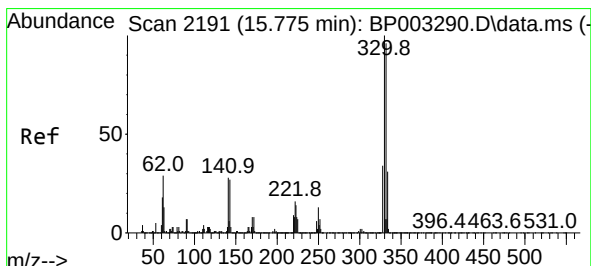
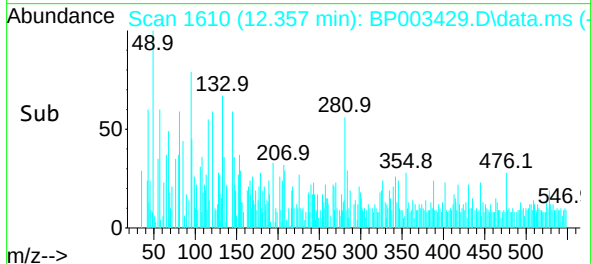
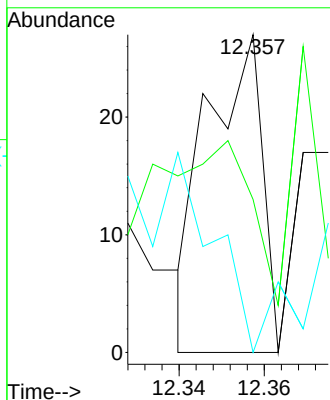
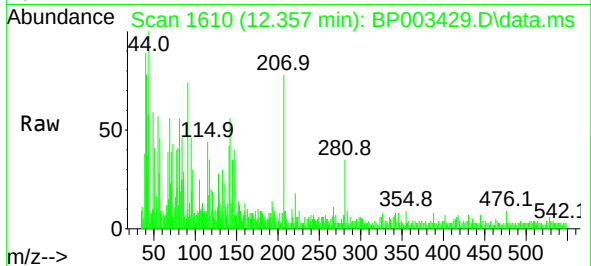




#41
Hexachlorocyclopentadiene
Concen: 6.85 ng
RT: 12.357 min Scan# 1610
Delta R.T. 0.006 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

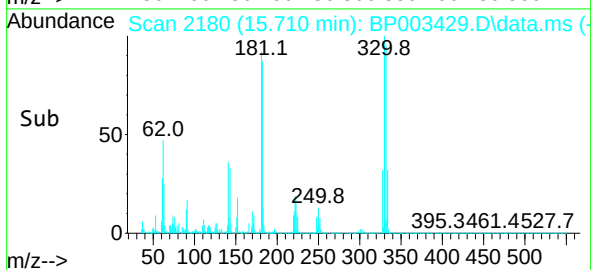
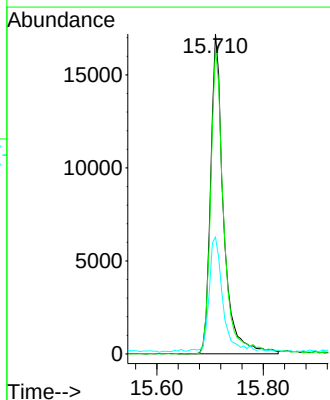
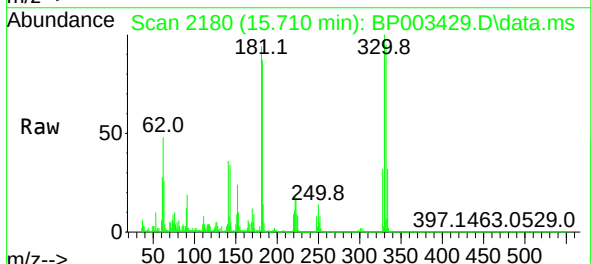
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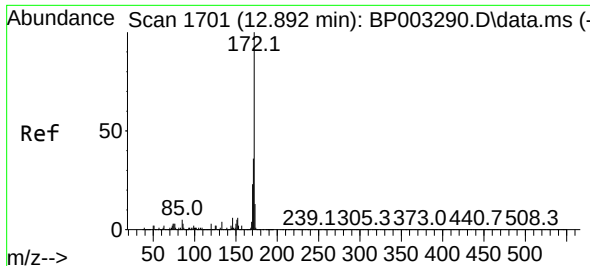
Tgt Ion:	237	Resp:	24
Ion	Ratio	Lower	Upper
237	100		
235	48.1	43.2	83.2
272	0.0	0.0	33.3



#42
2,4,6-Tribromophenol
Concen: 6.77 ng
RT: 15.710 min Scan# 2180
Delta R.T. 0.018 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:	330	Resp:	28985
Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.1	115.7
141	39.2	23.4	35.2#

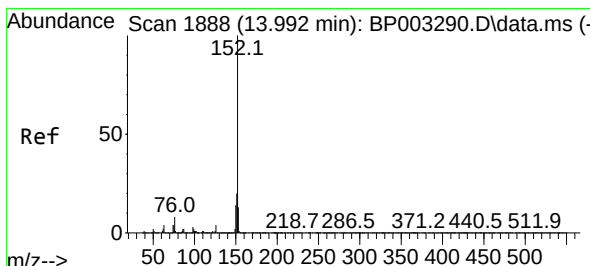
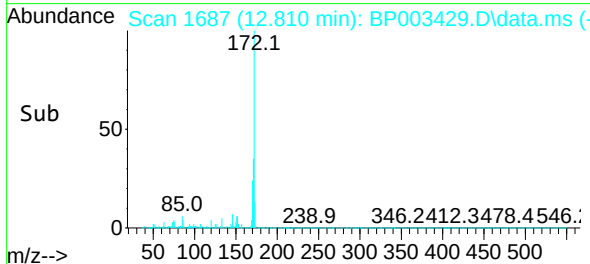
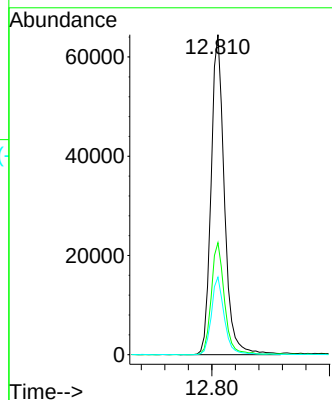
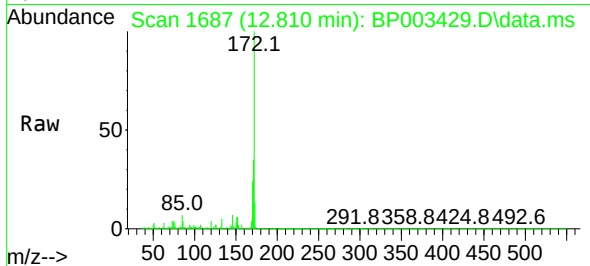




#45
2-Fluorobiphenyl
Concen: 5.31 ng
RT: 12.810 min Scan# 1687
Delta R.T. 0.006 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

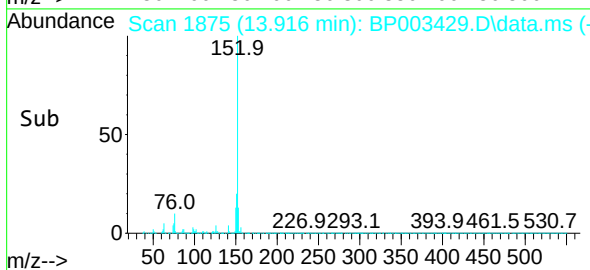
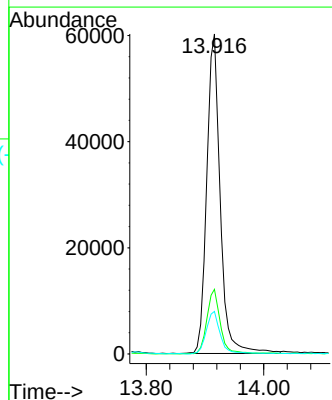
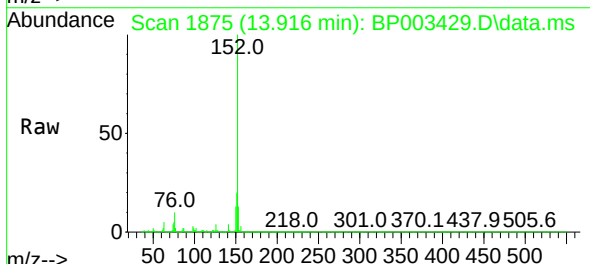
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

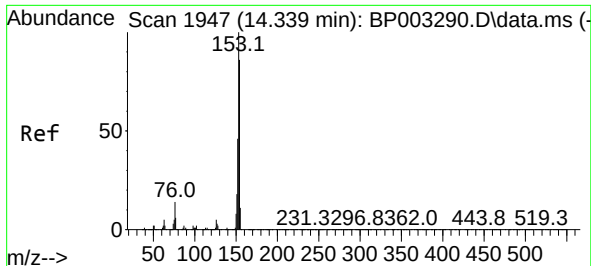
Tgt Ion:172	Resp: 101888
Ion Ratio	Lower Upper
172	100
171	35.0 28.5 42.7
170	24.3 19.2 28.8



#49
Acenaphthylene
Concen: 3.60 ng
RT: 13.916 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:152	Resp: 95470
Ion Ratio	Lower Upper
152	100
151	20.2 15.9 23.9
153	13.3 10.5 15.7

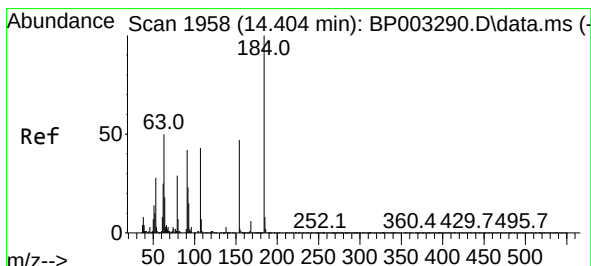
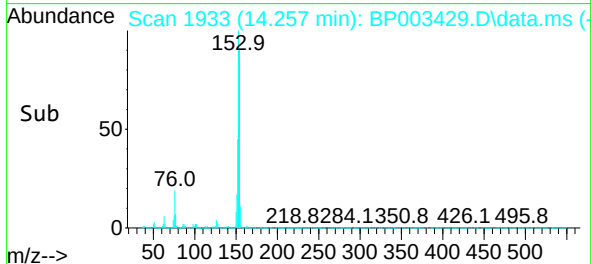
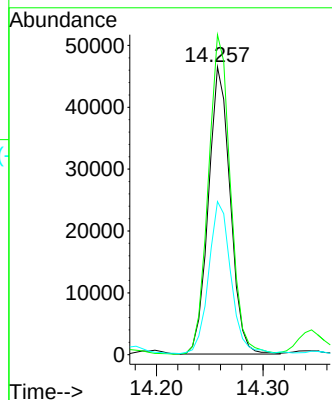
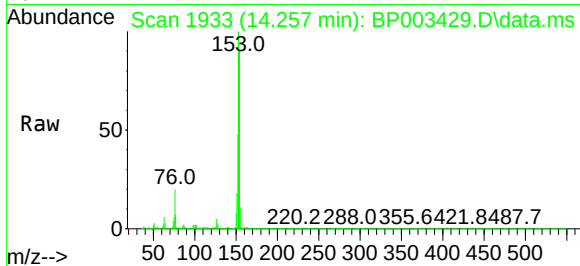




#52
Acenaphthene
Concen: 4.08 ng
RT: 14.257 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

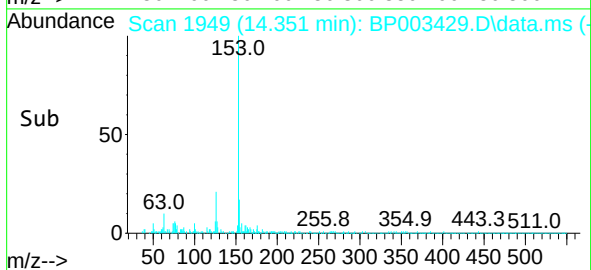
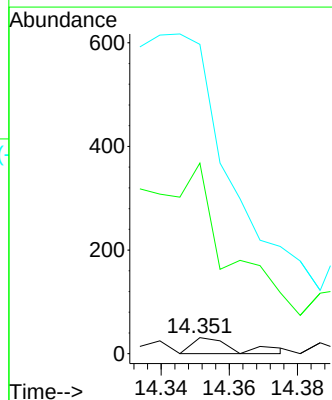
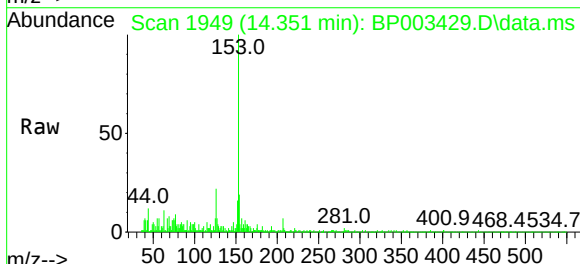
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

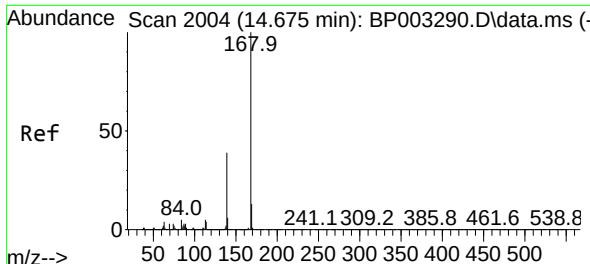
Tgt Ion:154 Resp: 65837
Ion Ratio Lower Upper
154 100
153 111.2 91.0 136.6
152 53.2 43.0 64.6



#54
2,4-Dinitrophenol
Concen: 7.26 ng
RT: 14.351 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:184 Resp: 29
Ion Ratio Lower Upper
184 100
63 1187.1 32.3 48.5#
154 1925.8 49.1 73.7#

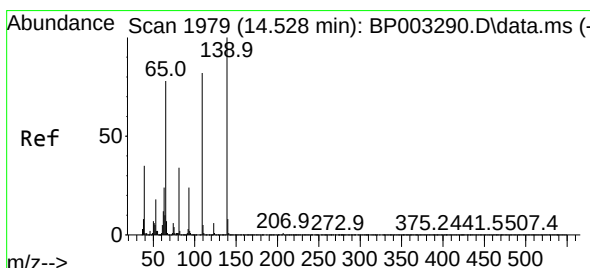
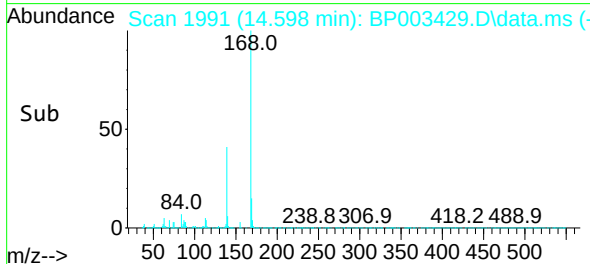
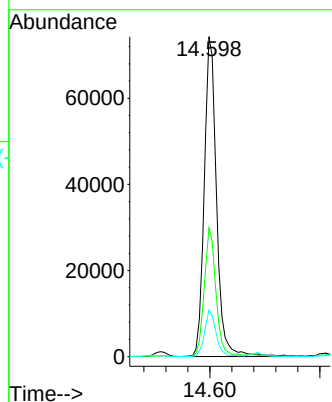
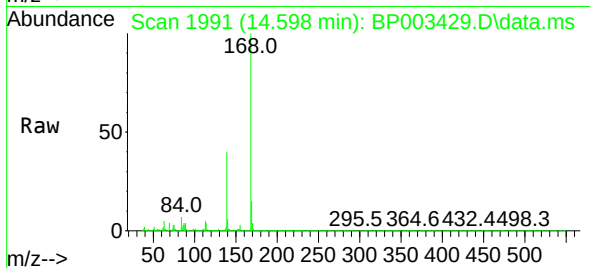




#55
Dibenzofuran
Concen: 4.48 ng
RT: 14.598 min Scan# 1991
Delta R.T. 0.000 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

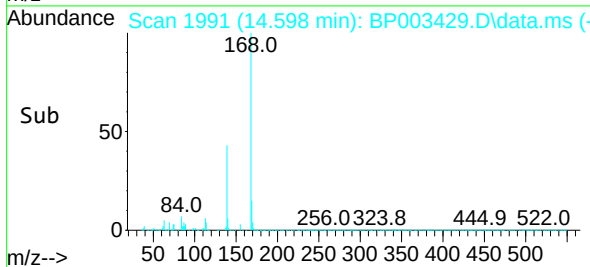
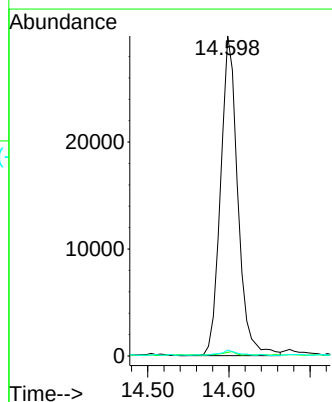
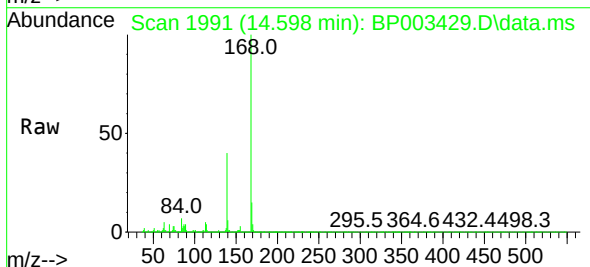
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

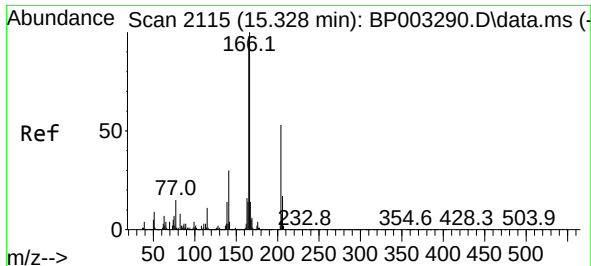
Tgt Ion:168 Resp: 115227
Ion Ratio Lower Upper
168 100
139 40.3 29.1 43.7
169 14.6 10.4 15.6



#56
4-Nitrophenol
Concen: 13.91 ng
RT: 14.598 min Scan# 1991
Delta R.T. 0.124 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:139 Resp: 44263
Ion Ratio Lower Upper
139 100
109 1.1 44.6 84.6#
65 1.8 41.6 81.6#

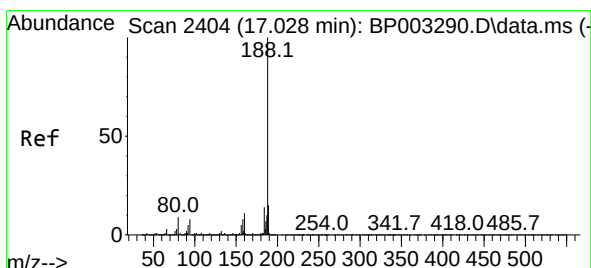
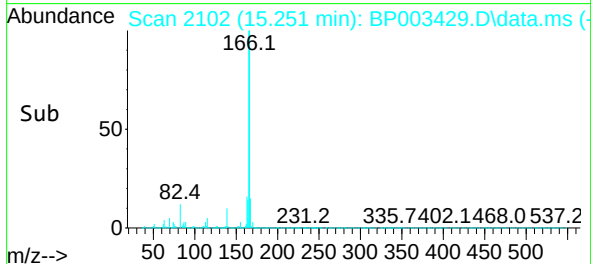
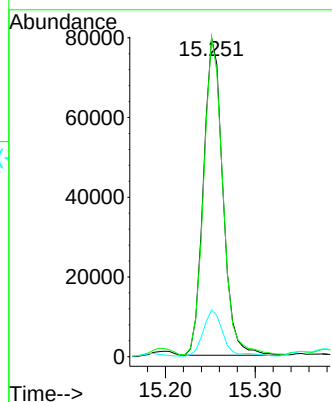
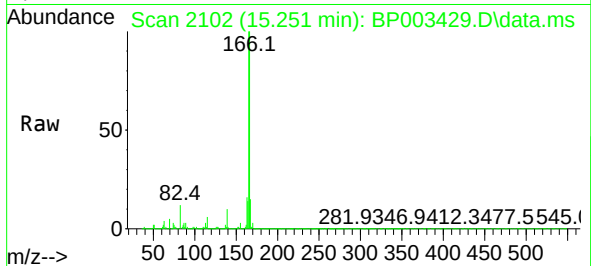




#58
Fluorene
Concen: 5.87 ng
RT: 15.251 min Scan# 2102
Delta R.T. -0.000 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

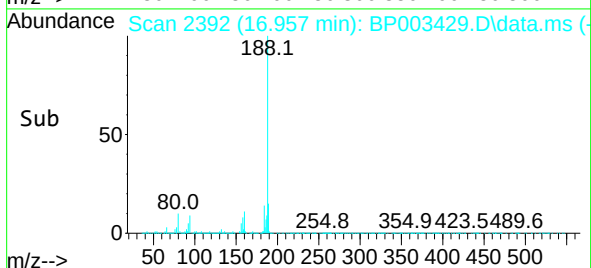
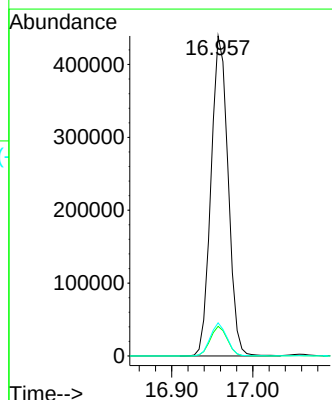
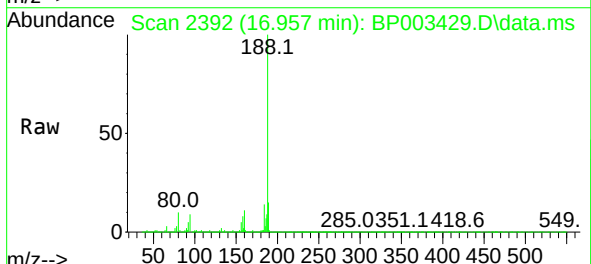
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

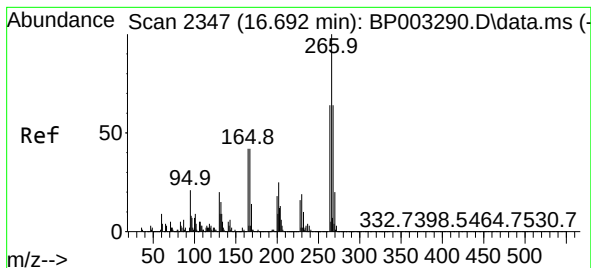
Tgt Ion:166 Resp: 119408
Ion Ratio Lower Upper
166 100
165 100.3 77.8 116.8
167 14.6 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.957 min Scan# 2392
Delta R.T. 0.012 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:188 Resp: 641498
Ion Ratio Lower Upper
188 100
94 9.2 6.2 9.2
80 10.4 6.2 9.2#

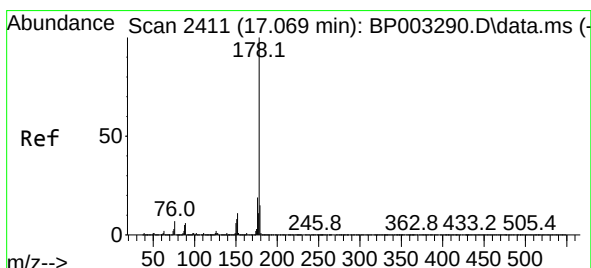
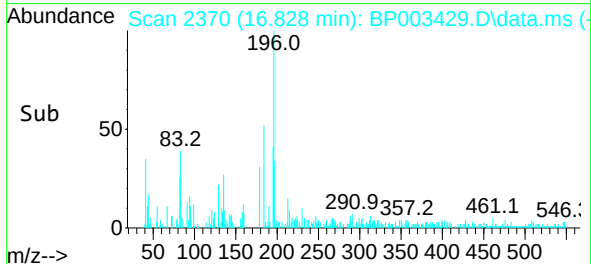
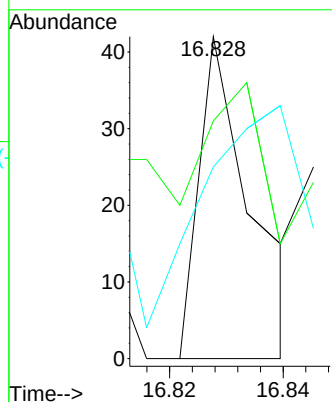
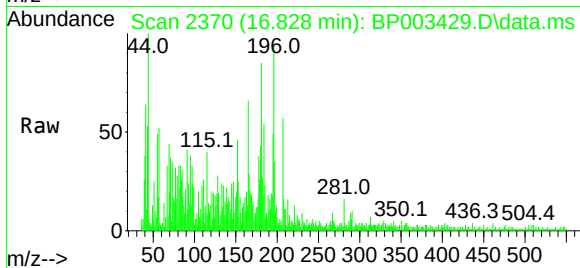




#70
Pentachlorophenol
Concen: 6.78 ng
RT: 16.828 min Scan# 2370
Delta R.T. 0.206 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

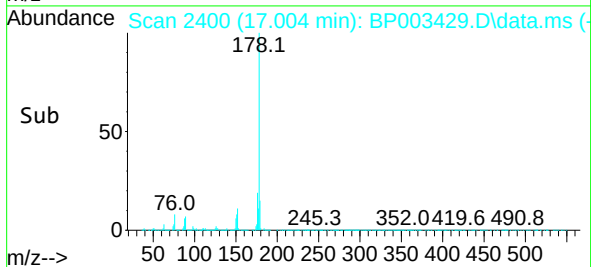
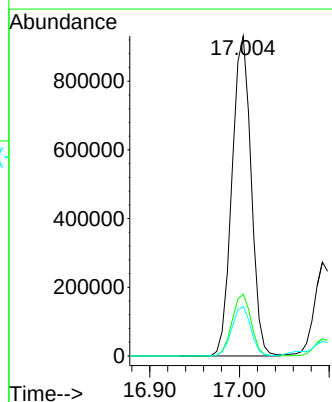
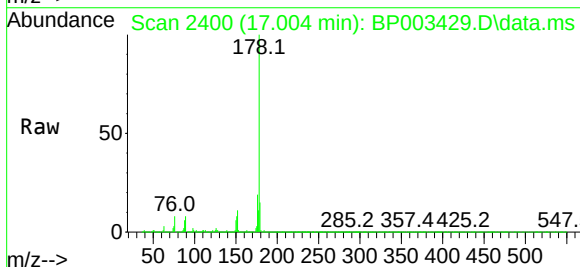
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

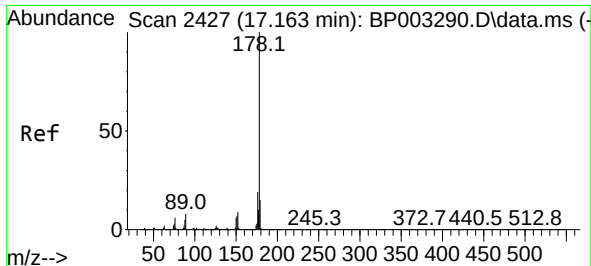
Tgt Ion:266 Resp: 27
Ion Ratio Lower Upper
266 100
268 73.8 51.1 76.7
264 59.5 50.6 76.0



#71
Phenanthrene
Concen: 39.39 ng
RT: 17.004 min Scan# 2400
Delta R.T. 0.012 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:178 Resp: 1374690
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.4 12.5 18.7

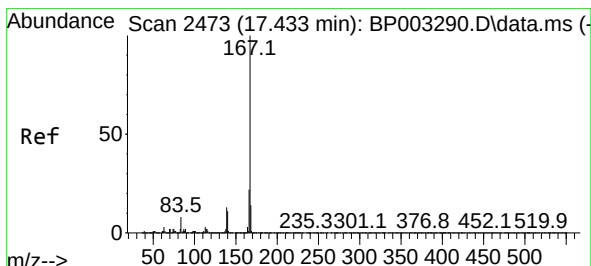
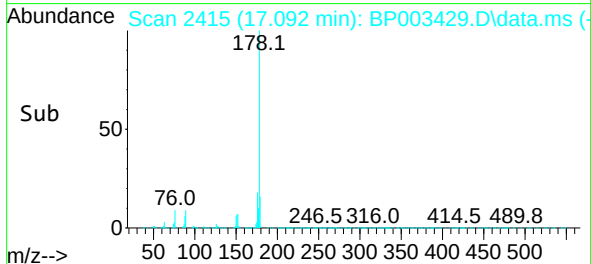
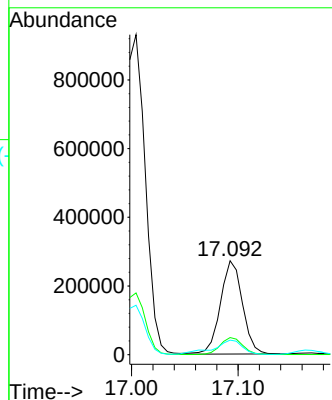
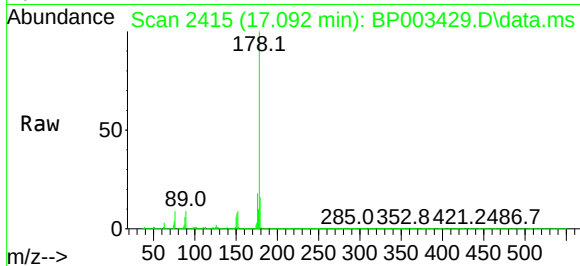




#72
 Anthracene
 Concen: 11.35 ng
 RT: 17.092 min Scan# 2415
 Delta R.T. 0.012 min
 Lab File: BP003429.D
 Acq: 01 Oct 2020 00:01

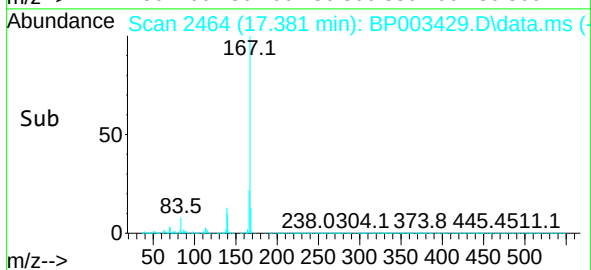
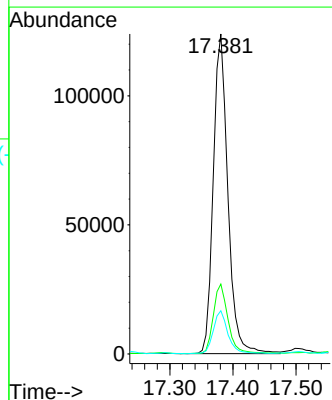
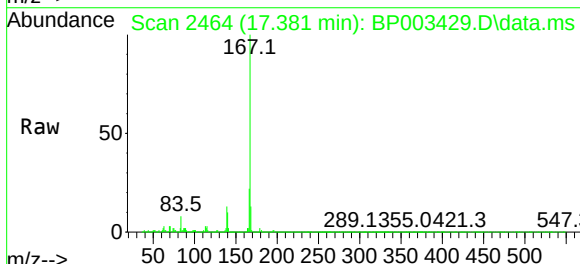
Instrument :
 BNA_P
 ClientSampleId :
 B-7(9-11)DL

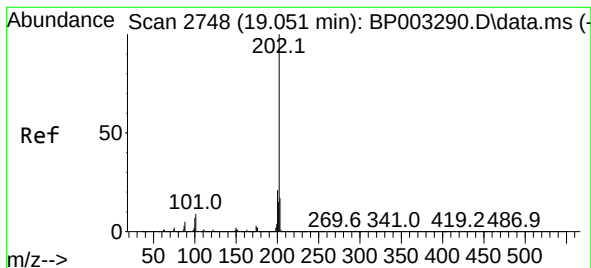
Tgt Ion:178 Resp: 390292
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.0 22.4
 179 15.5 12.5 18.7



#73
 Carbazole
 Concen: 6.08 ng
 RT: 17.381 min Scan# 2464
 Delta R.T. 0.018 min
 Lab File: BP003429.D
 Acq: 01 Oct 2020 00:01

Tgt Ion:167 Resp: 198573
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.6 26.4
 139 13.5 10.2 15.4

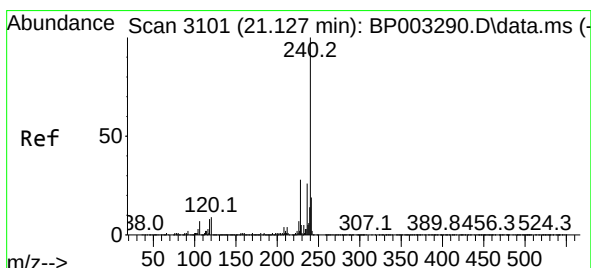
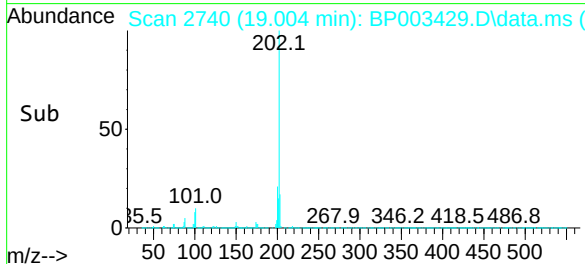
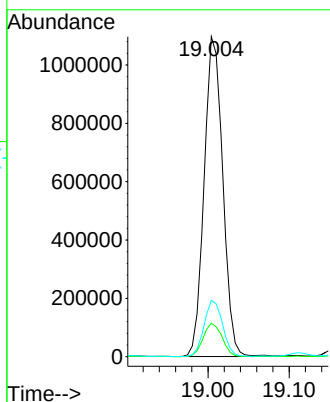
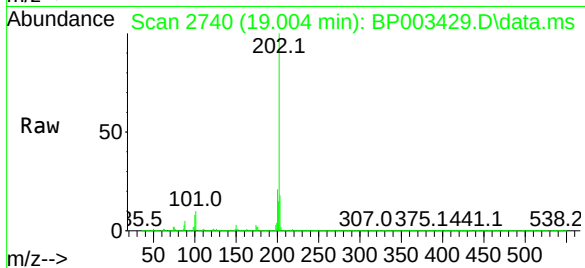




#75
Fluoranthene
Concen: 39.89 ng
RT: 19.004 min Scan# 2740
Delta R.T. 0.024 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

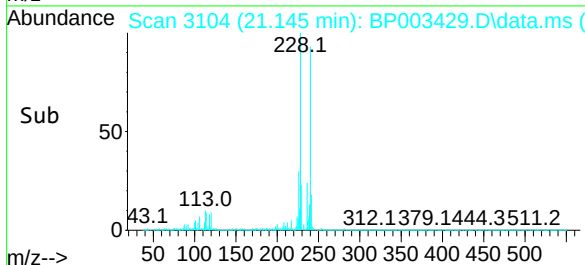
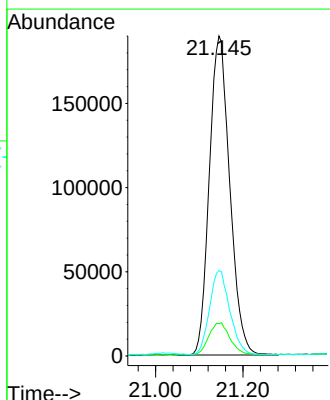
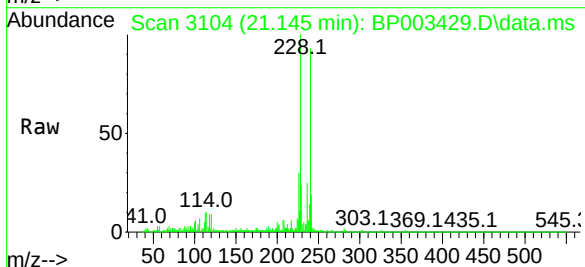
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

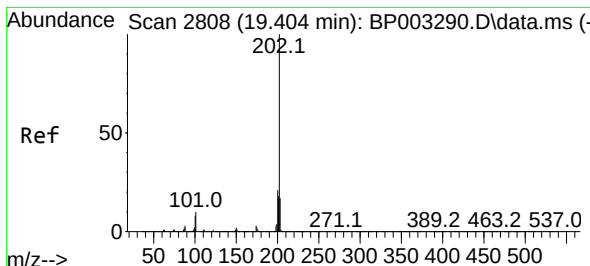
Tgt Ion:202 Resp: 1750467
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.4
203 17.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.145 min Scan# 3104
Delta R.T. 0.082 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:240 Resp: 614607
Ion Ratio Lower Upper
240 100
120 10.1 7.8 11.6
236 26.7 20.8 31.2





#78

Pyrene

Concen: 35.94 ng

RT: 19.363 min Scan# 2801

Delta R.T. 0.029 min

Lab File: BP003429.D

Acq: 01 Oct 2020 00:01

Instrument :

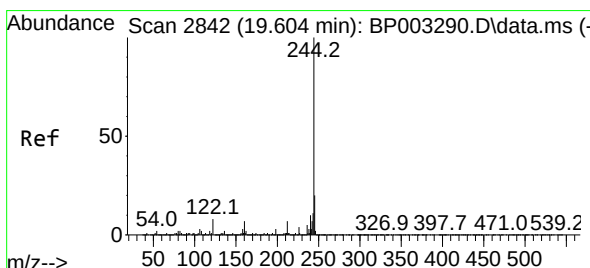
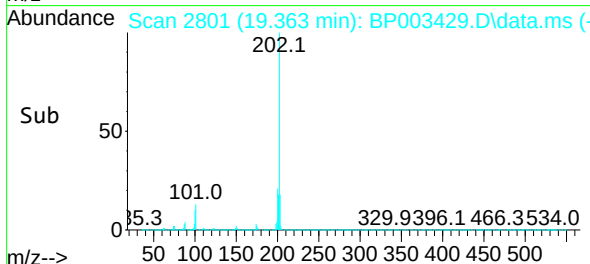
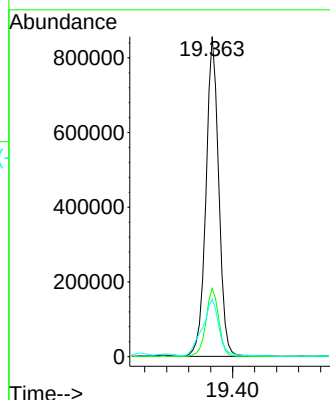
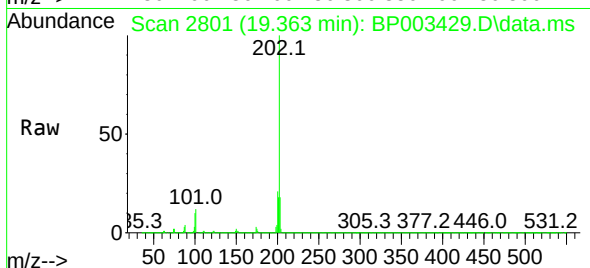
BNA_P

ClientSampleId :

B-7(9-11)DL

Tgt Ion:202 Resp: 1377552

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.1	25.7
203	17.8	14.2	21.2



#79

Terphenyl-d14

Concen: 5.32 ng

RT: 19.563 min Scan# 2835

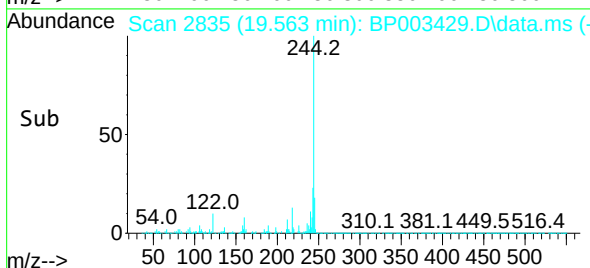
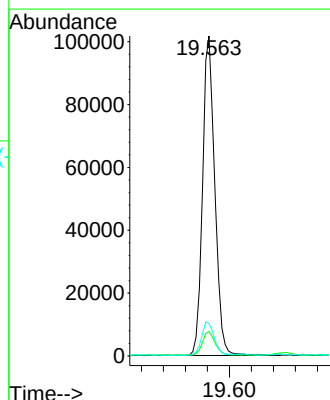
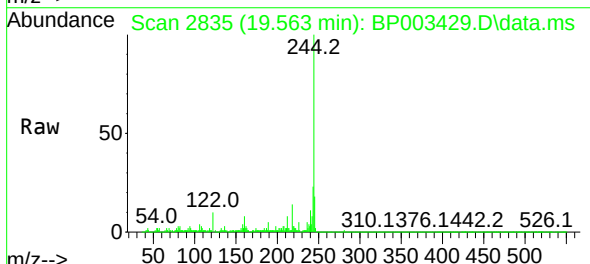
Delta R.T. 0.029 min

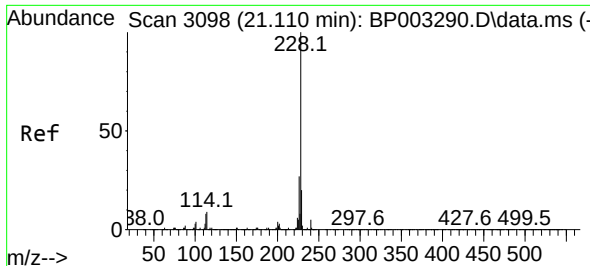
Lab File: BP003429.D

Acq: 01 Oct 2020 00:01

Tgt Ion:244 Resp: 157071

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.6
122	10.1	7.8	11.8

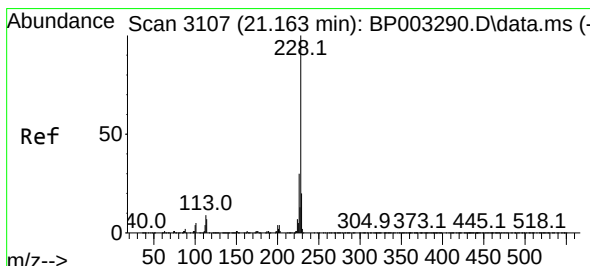
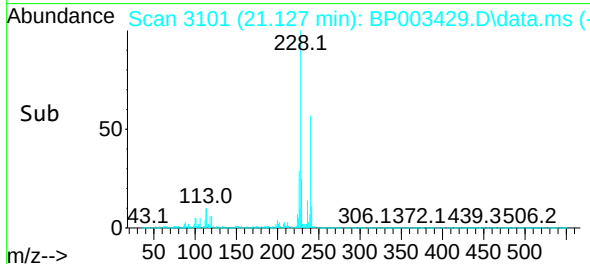
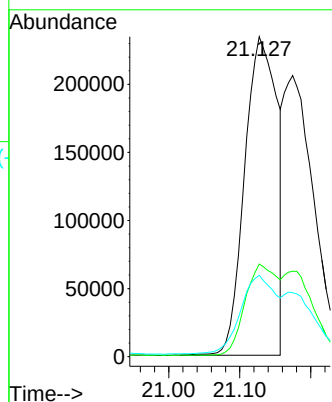
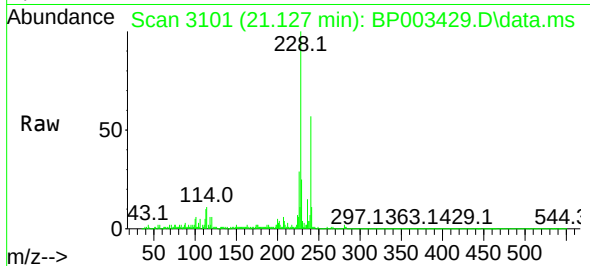




#81
Benzo(a)anthracene
Concen: 18.60 ng
RT: 21.127 min Scan# 3101
Delta R.T. 0.082 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

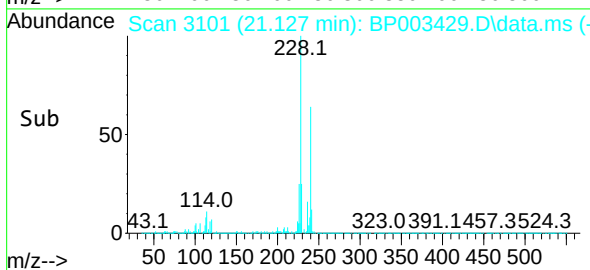
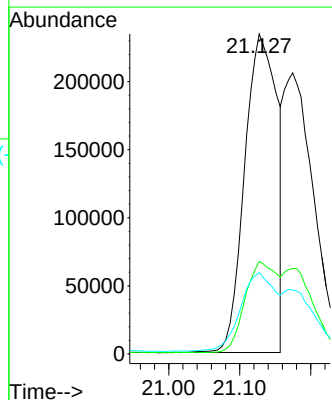
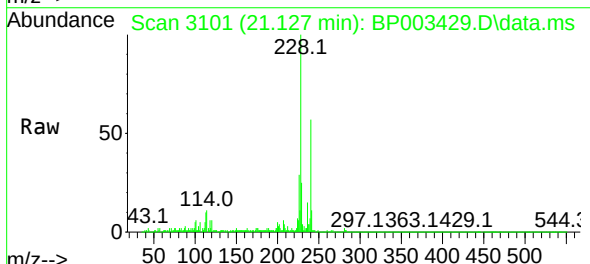
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

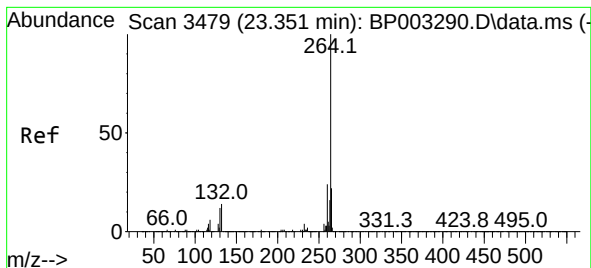
Tgt Ion:228 Resp: 738808
Ion Ratio Lower Upper
228 100
226 29.0 22.1 33.1
229 25.4 15.9 23.9#



#83
Chrysene
Concen: 19.36 ng
RT: 21.127 min Scan# 3101
Delta R.T. 0.029 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:228 Resp: 738808
Ion Ratio Lower Upper
228 100
226 29.0 24.4 36.6
229 25.4 15.8 23.6#

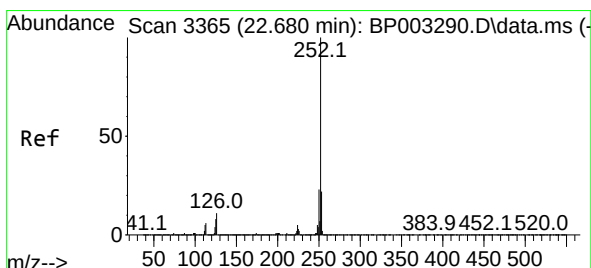
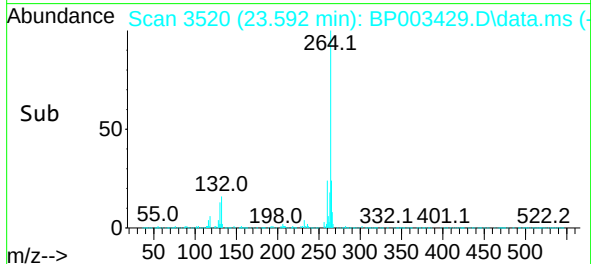
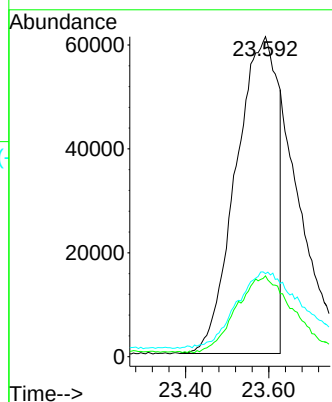
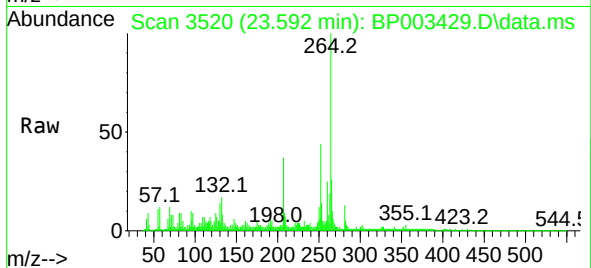




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.592 min Scan# 3520
Delta R.T. 0.335 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

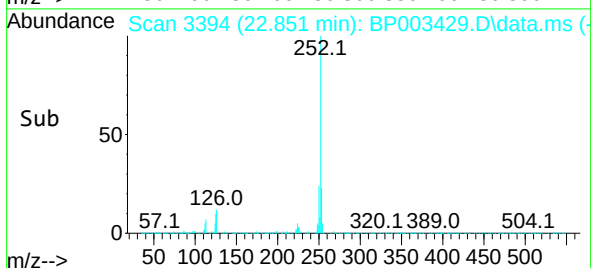
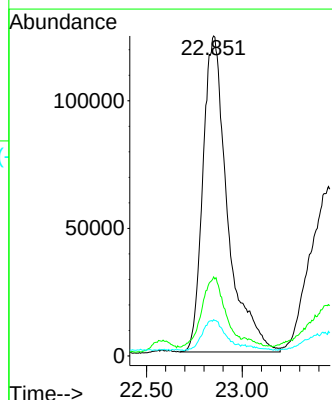
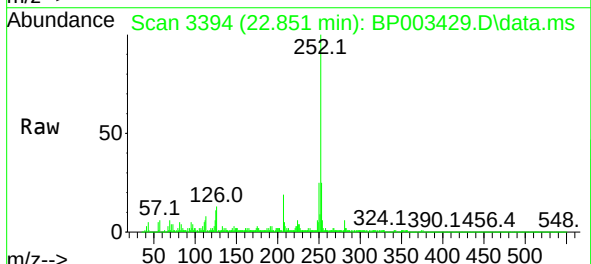
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

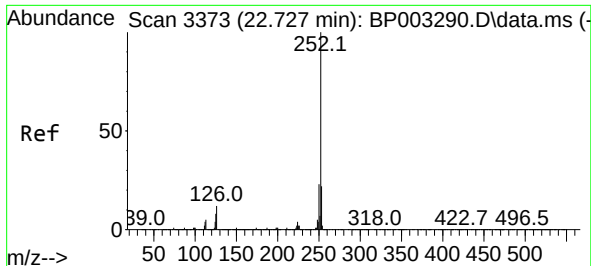
Tgt Ion:264 Resp: 420797
Ion Ratio Lower Upper
264 100
260 25.3 18.8 28.2
265 26.0 17.4 26.2



#88
Benzo(b)fluoranthene
Concen: 41.72 ng
RT: 22.851 min Scan# 3394
Delta R.T. 0.259 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:252 Resp: 1108682
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 11.4 7.3 10.9#

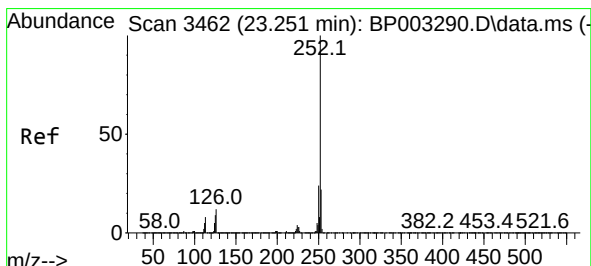
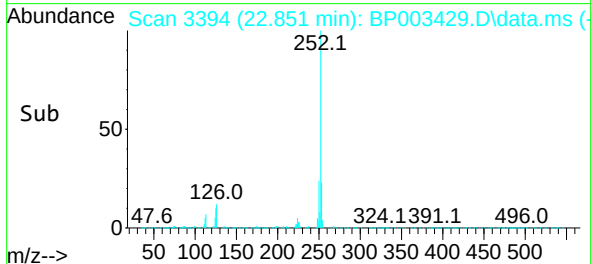
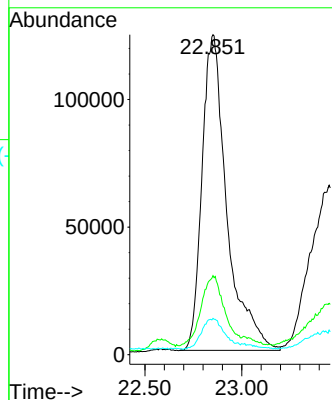
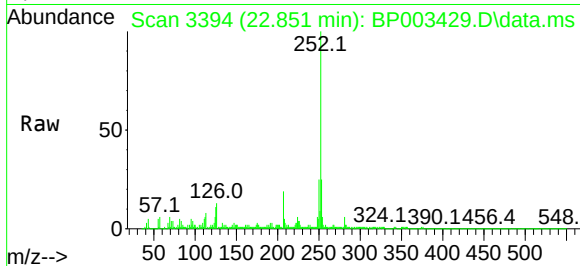




#89
Benzo(k)fluoranthene
Concen: 43.33 ng
RT: 22.851 min Scan# 3394
Delta R.T. 0.206 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)DL

Tgt Ion:252 Resp: 1103434
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.8
125 11.4 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 18.65 ng
RT: 23.451 min Scan# 3496
Delta R.T. 0.288 min
Lab File: BP003429.D
Acq: 01 Oct 2020 00:01

Tgt Ion:252 Resp: 467313
Ion Ratio Lower Upper
252 100
253 30.4 17.4 26.0#
125 14.6 8.2 12.4#

