

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110520\
 Data File : BP003825.D
 Acq On : 05 Nov 2020 17:34
 Operator : CG/JU
 Sample : L4521-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-2

Quant Time: Nov 05 23:56:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 05 14:31:45 2020
 Response via : Initial Calibration

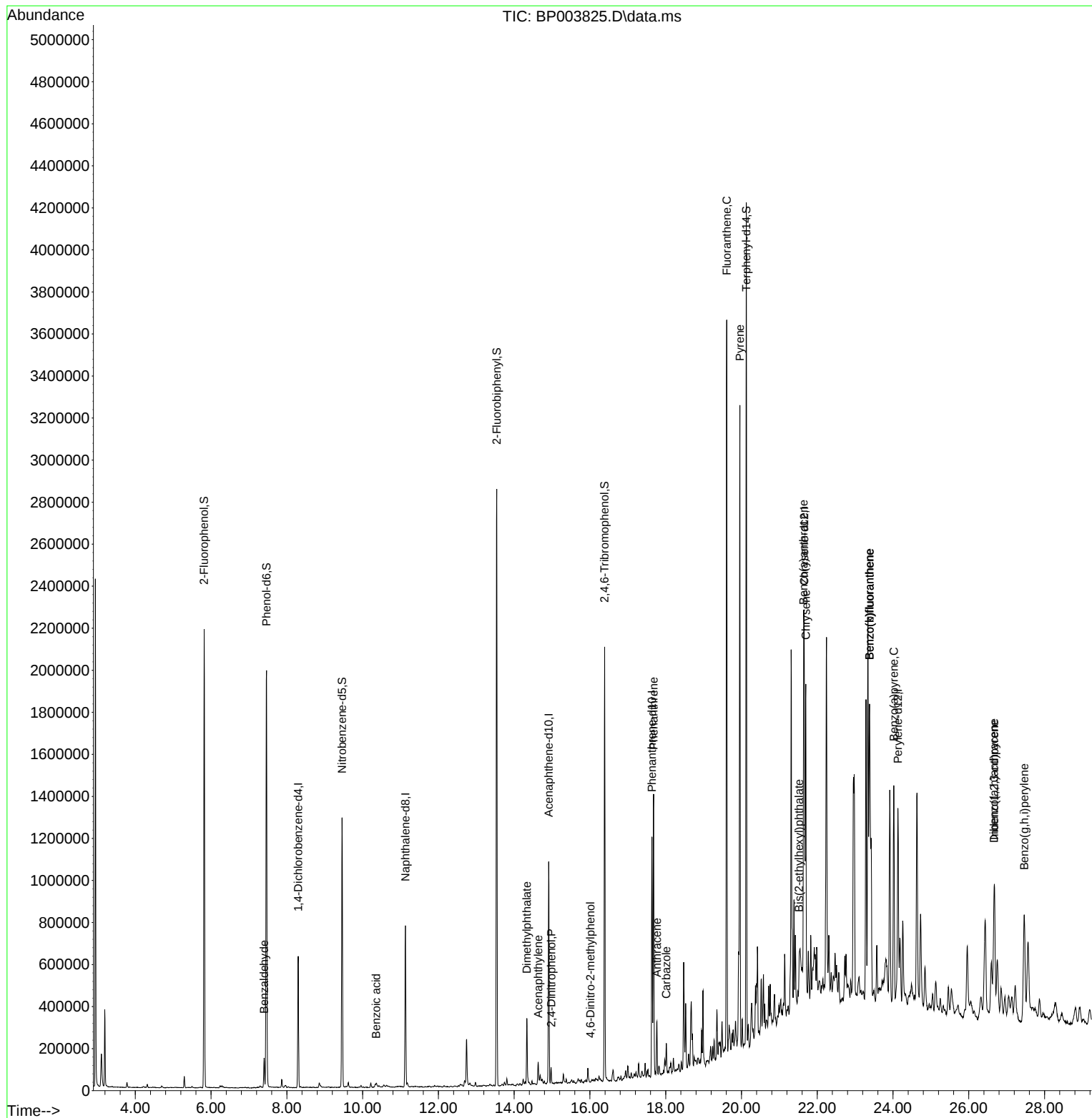
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.299	152	165504	20.00	ng	0.00
21) Naphthalene-d8	11.128	136	616160	20.00	ng	# 0.00
39) Acenaphthene-d10	14.910	164	353483	20.00	ng	0.00
64) Phenanthrene-d10	17.634	188	699466	20.00	ng	# 0.00
76) Chrysene-d12	21.657	240	669406	20.00	ng	0.00
86) Perylene-d12	24.127	264	723697	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.817	112	882144	88.96	ng	0.00
7) Phenol-d6	7.464	99	1103822	77.54	ng	0.00
23) Nitrobenzene-d5	9.458	82	697622	55.45	ng	0.00
42) 2,4,6-Tribromophenol	16.387	330	380915	86.16	ng	0.00
45) 2-Fluorobiphenyl	13.540	172	1450308	57.36	ng	0.00
79) Terphenyl-d14	20.128	244	1632189	47.11	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.399	77	45940	4.37	ng	84
32) Benzoic acid	10.358	122	8194	9.49	ng	# 76
49) Acenaphthylene	14.634	152	78776	2.38	ng	96
50) Dimethylphthalate	14.334	163	196572	7.11	ng	99
54) 2,4-Dinitrophenol	14.981	184	6	2.73	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.016	198	46	6.35	ng	# 1
71) Phenanthrene	17.681	178	789025	20.10	ng	99
72) Anthracene	17.769	178	162831	4.29	ng	99
73) Carbazole	18.016	167	90006	2.56	ng	98
75) Fluoranthene	19.610	202	2042809	45.10	ng	99
78) Pyrene	19.957	202	1782131	39.23	ng	99
81) Benzo(a)anthracene	21.639	228	752680	17.05	ng	97
83) Chrysene	21.698	228	941602	22.20	ng	97
84) Bis(2-ethylhexyl)phtha...	21.522	149	54964	2.20	ng	99
87) Indeno(1,2,3-cd)pyrene	26.674	276	645539	12.37	ng	# 94
88) Benzo(b)fluoranthene	23.380	252	1675932	35.39	ng	99
89) Benzo(k)fluoranthene	23.380	252	1676446	35.85	ng	99
90) Benzo(a)pyrene	24.021	252	840205	19.16	ng	97
91) Dibenzo(a,h)anthracene	26.668	278	155161	3.57	ng	# 83
92) Benzo(g,h,i)perylene	27.462	276	667446	15.85	ng	97

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

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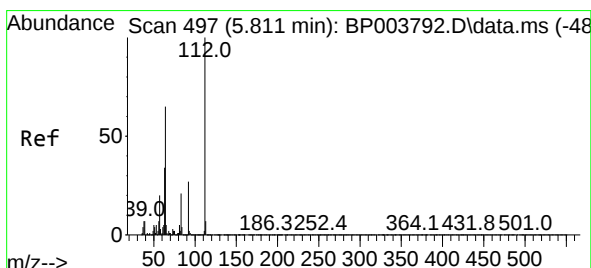
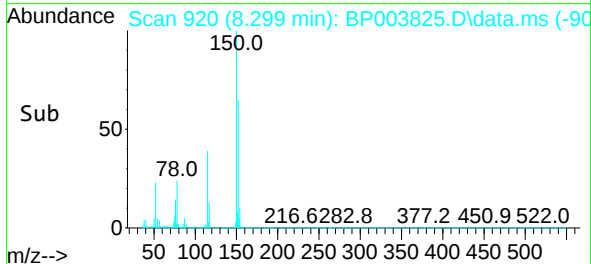
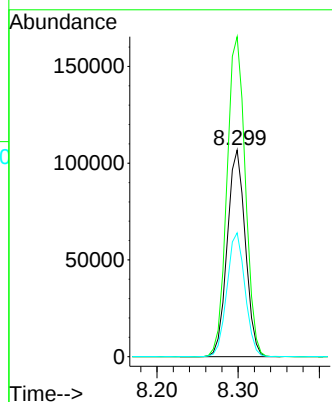
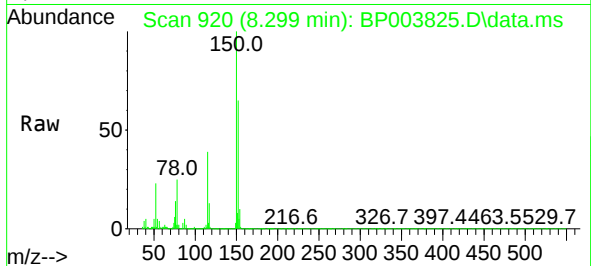




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.299 min Scan# 920
Delta R.T. 0.006 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

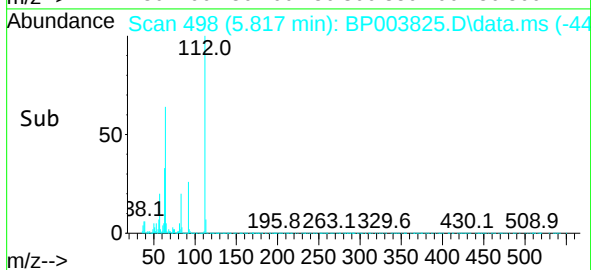
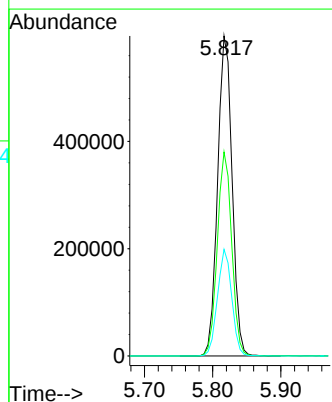
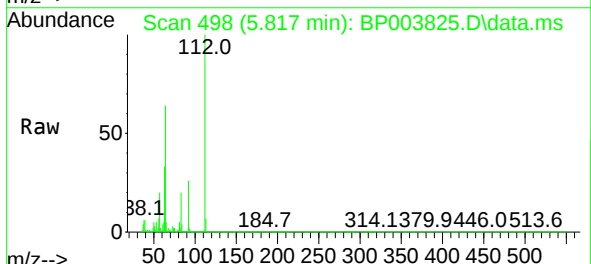
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:152 Resp: 165504
Ion Ratio Lower Upper
152 100
150 154.8 123.8 185.6
115 59.9 43.8 65.6



#5
2-Fluorophenol
Concen: 88.96 ng
RT: 5.817 min Scan# 498
Delta R.T. 0.006 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

Tgt Ion:112 Resp: 882144
Ion Ratio Lower Upper
112 100
64 63.8 32.8 49.2#
63 33.3 17.0 25.4#

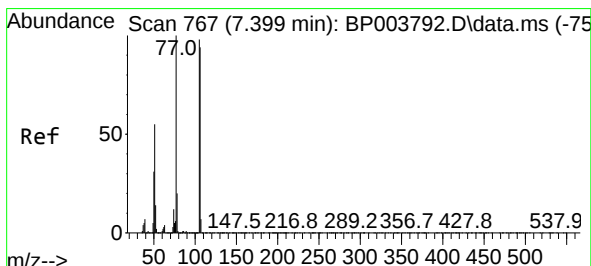
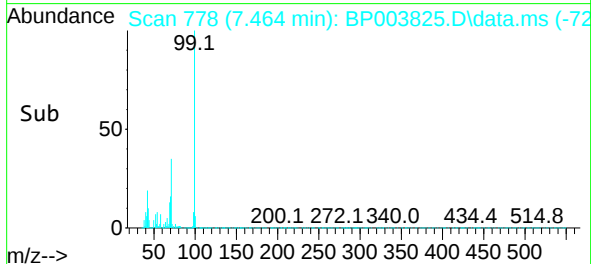
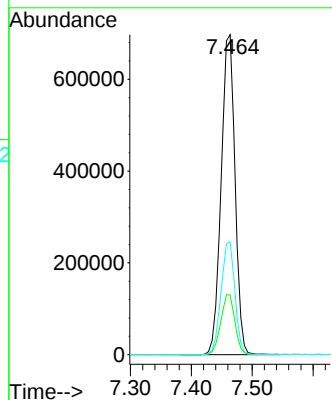
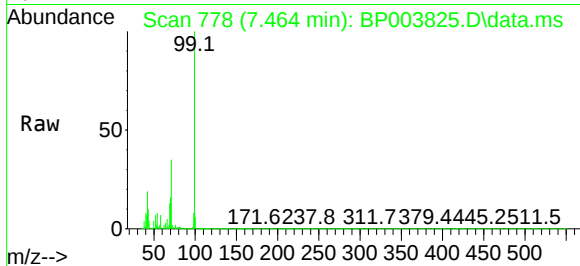




#7
Phenol-d6
Concen: 77.54 ng
RT: 7.464 min Scan# 778
Delta R.T. 0.006 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

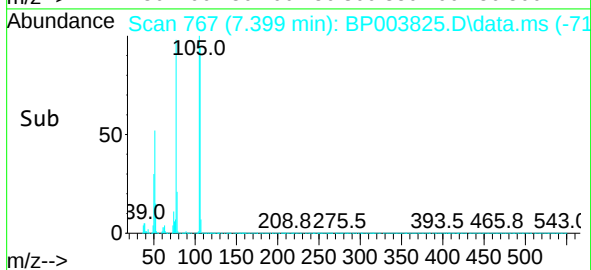
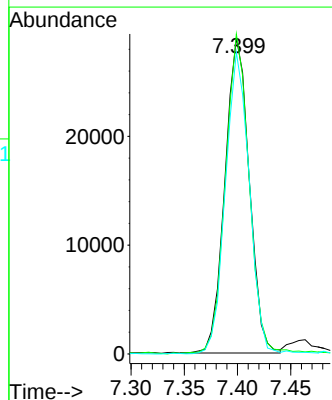
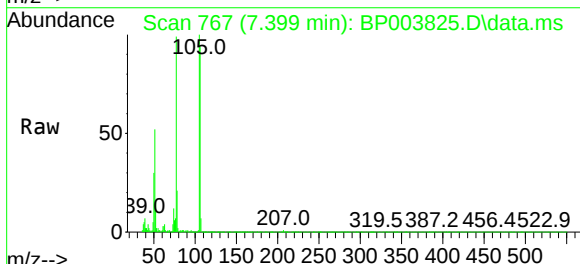
Instrument :
BNA_P
ClientSampleId :
B-2

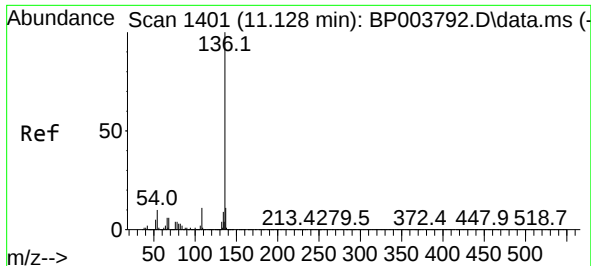
Tgt Ion: 99 Resp: 1103822
Ion Ratio Lower Upper
99 100
42 18.7 8.6 13.0#
71 35.3 23.4 35.2#



#9
Benzaldehyde
Concen: 4.37 ng
RT: 7.399 min Scan# 767
Delta R.T. -0.000 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

Tgt Ion: 77 Resp: 45940
Ion Ratio Lower Upper
77 100
105 101.4 97.1 137.1
106 95.6 93.7 133.7

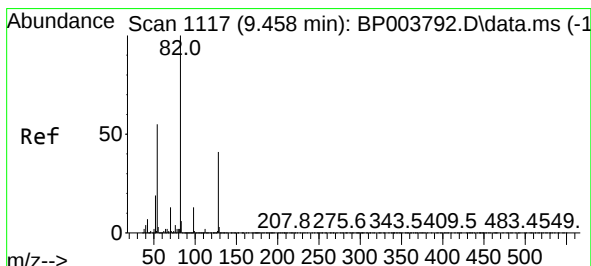
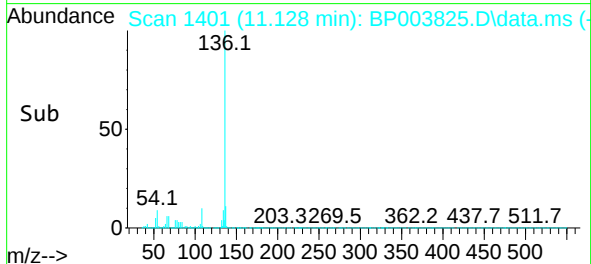
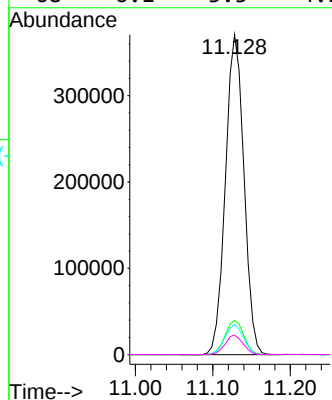
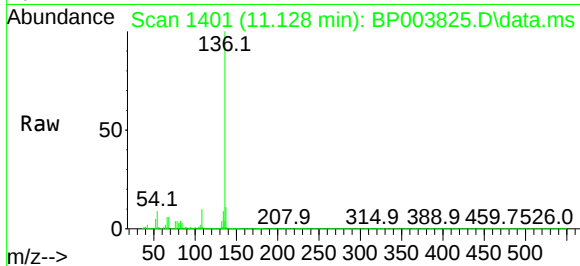




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.128 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

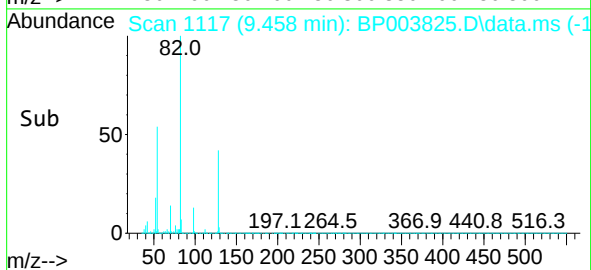
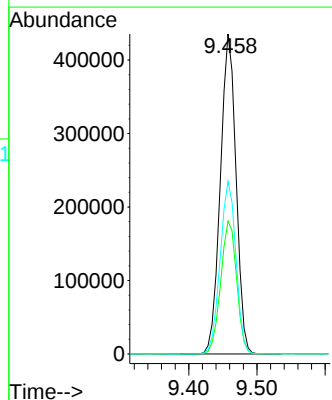
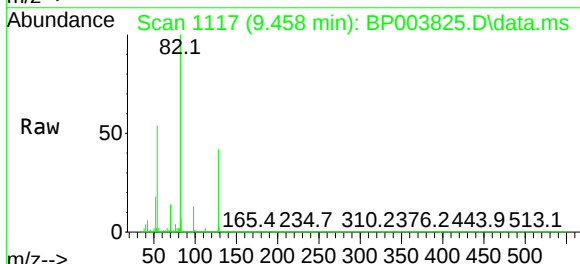
Instrument :
BNA_P
ClientSampleId :
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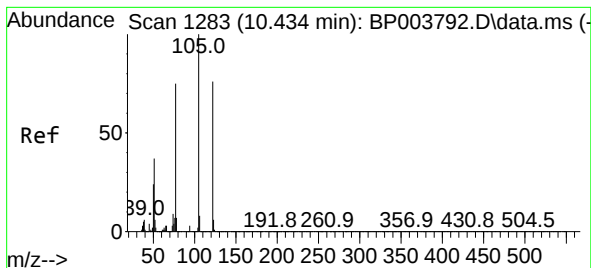
Tgt Ion:	136	Resp:	616160
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	9.4	3.6	5.4#
68	6.1	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 55.45 ng
RT: 9.458 min Scan# 1117
Delta R.T. -0.000 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

Tgt Ion:	82	Resp:	697622
Ion Ratio	Lower	Upper	
82	100		
128	41.5	45.6	68.4#
54	53.9	30.1	45.1#

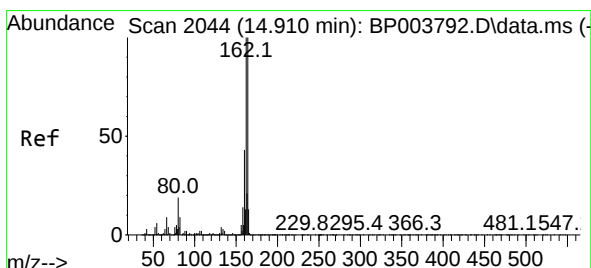
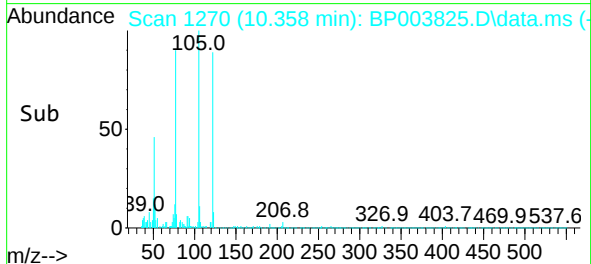
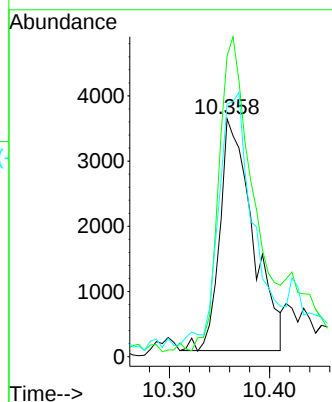
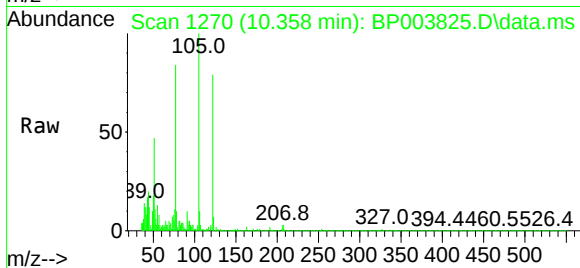




#32
Benzoic acid
Concen: 9.49 ng
RT: 10.358 min Scan# 1270
Delta R.T. -0.076 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

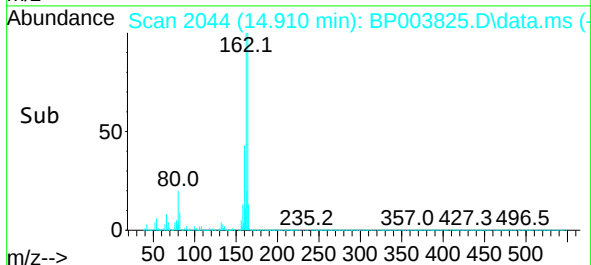
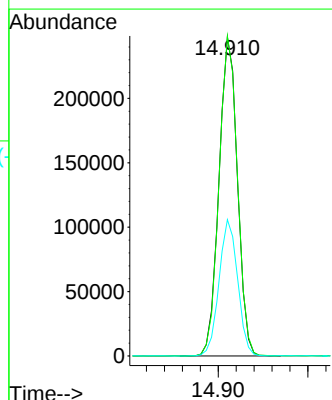
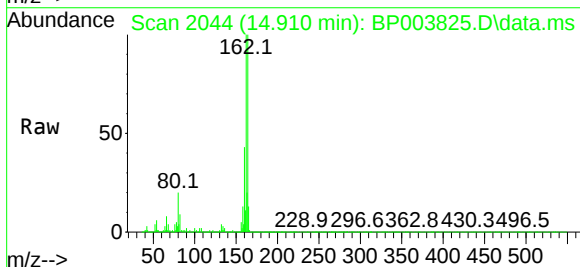
Instrument :
BNA_P
ClientSampleId :
B-2

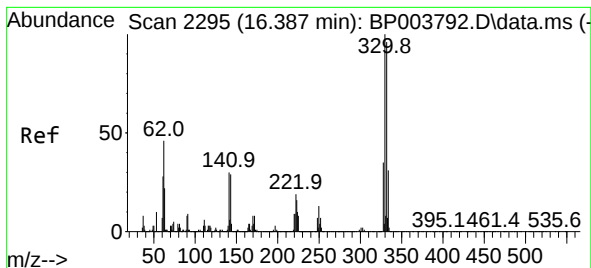
Tgt Ion:122 Resp: 8194
Ion Ratio Lower Upper
122 100
105 126.4 94.1 134.1
77 106.2 50.1 90.1#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.910 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

Tgt Ion:164 Resp: 353483
Ion Ratio Lower Upper
164 100
162 100.3 79.4 119.2
160 42.7 36.1 54.1

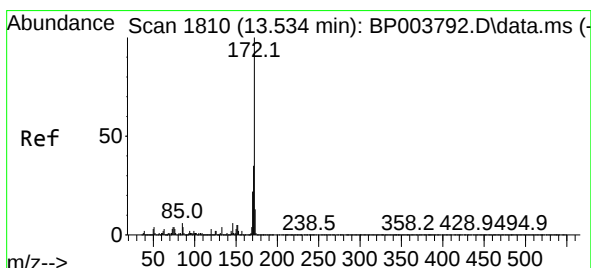
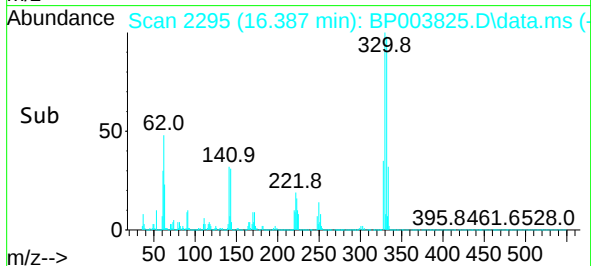
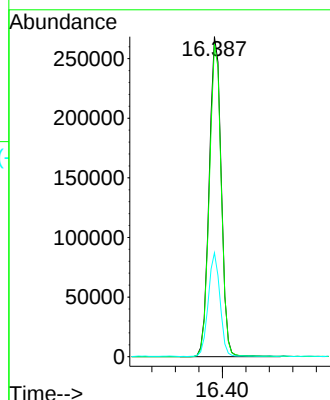
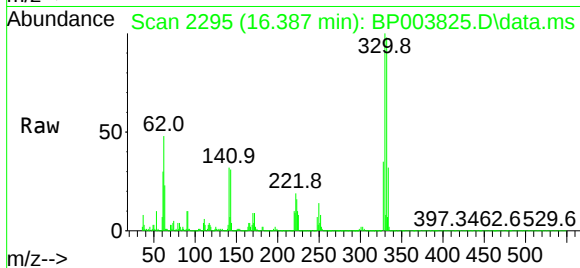




#42
2,4,6-Tribromophenol
Concen: 86.16 ng
RT: 16.387 min Scan# 2295
Delta R.T. -0.000 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

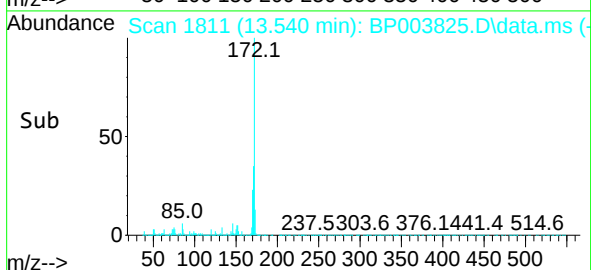
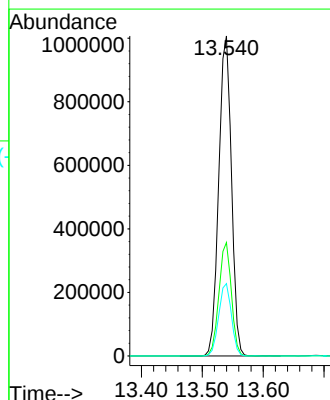
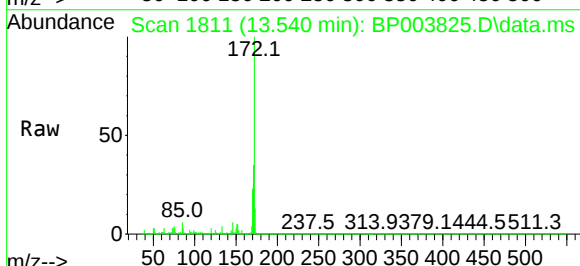
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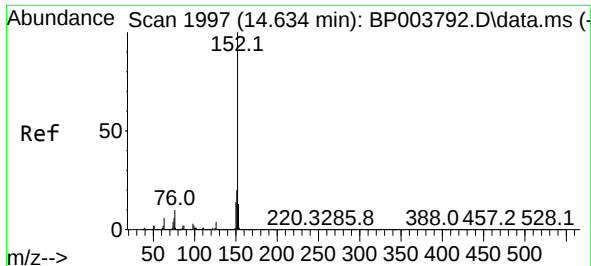
Tgt Ion: 330 Resp: 380915
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 31.6 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 57.36 ng
RT: 13.540 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

Tgt Ion: 172 Resp: 1450308
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 22.6 19.2 28.8

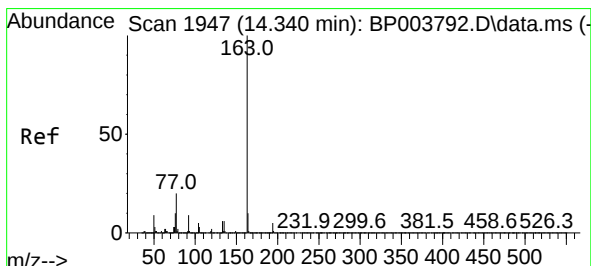
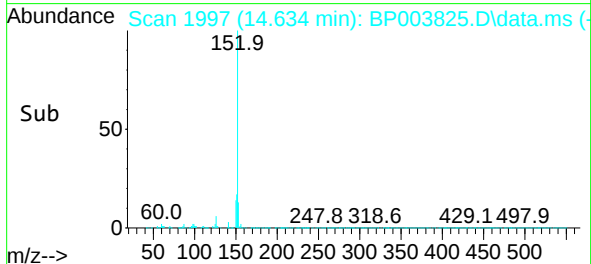
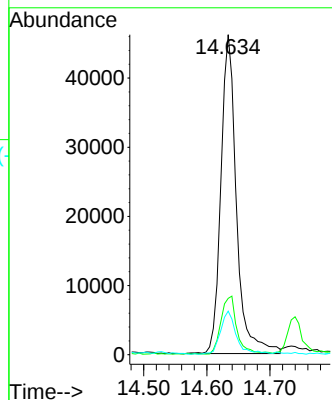
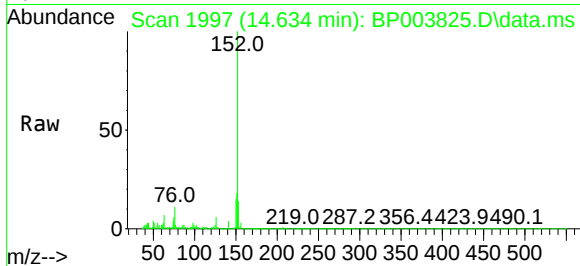




#49
Acenaphthylene
Concen: 2.38 ng
RT: 14.634 min Scan# 1997
Delta R.T. -0.000 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

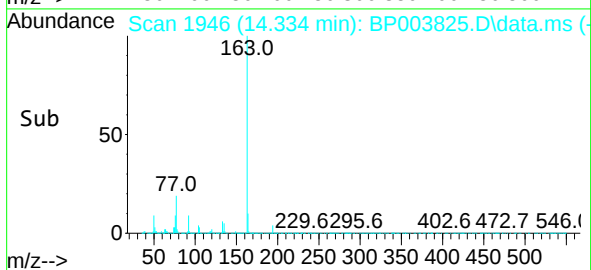
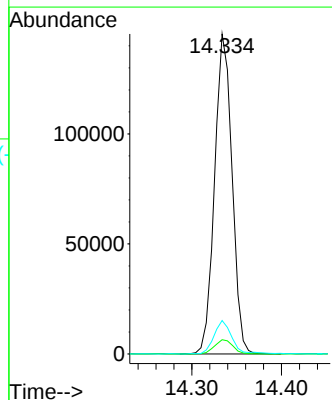
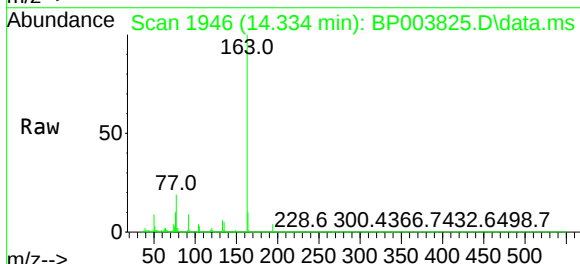
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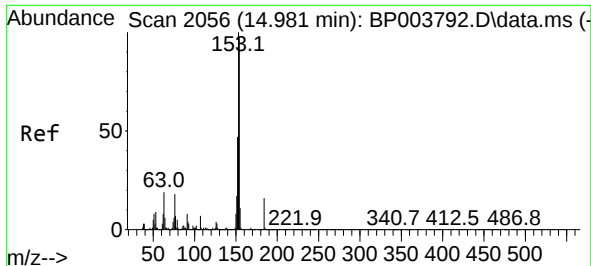
Tgt Ion:	152	Resp:	78776
Ion	Ratio	Lower	Upper
152	100		
151	17.6	15.9	23.9
153	13.6	10.5	15.7



#50
Dimethylphthalate
Concen: 7.11 ng
RT: 14.334 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

Tgt Ion:	163	Resp:	196572
Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.3	4.9
164	10.5	8.2	12.2

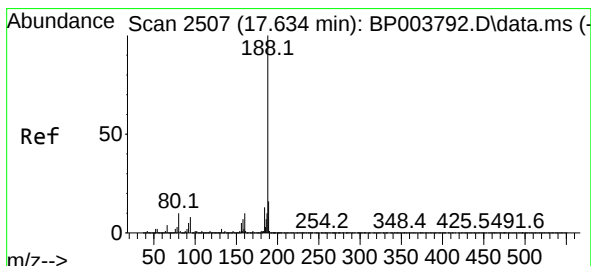
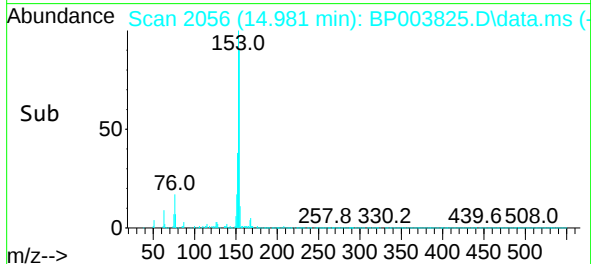
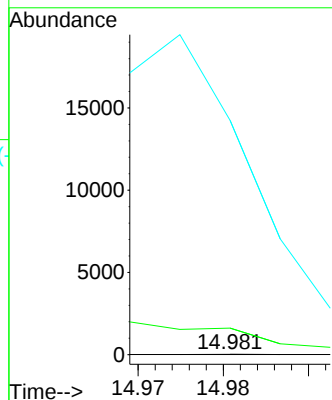
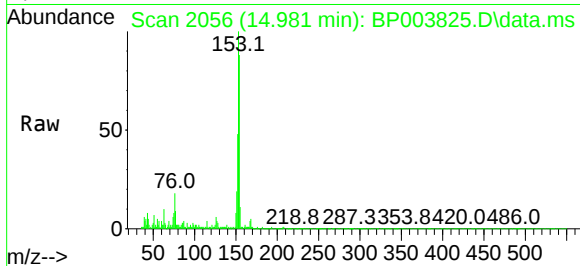




#54
2,4-Dinitrophenol
Concen: 2.73 ng
RT: 14.981 min Scan# 2056
Delta R.T. -0.000 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

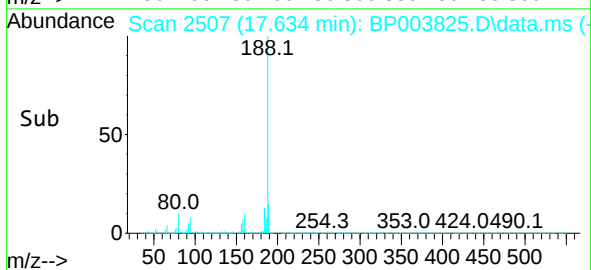
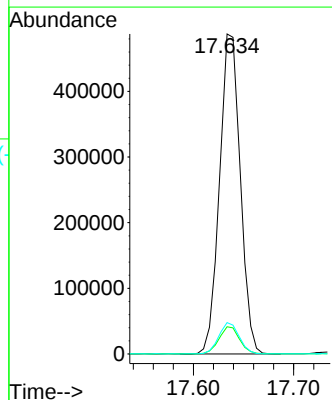
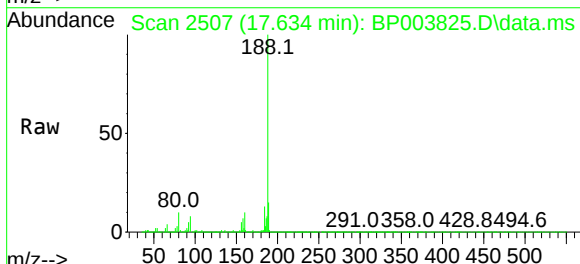
Instrument :
BNA_P
ClientSampled :
B-2

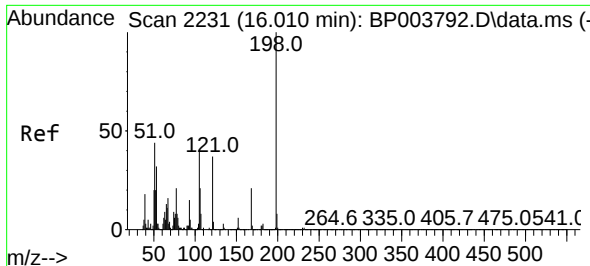
Tgt Ion:184 Resp: 6
Ion Ratio Lower Upper
184 100
63 7709.5 32.3 48.5#
154 67814.3 49.1 73.7#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.634 min Scan# 2507
Delta R.T. -0.000 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

Tgt Ion:188 Resp: 699466
Ion Ratio Lower Upper
188 100
94 8.5 6.2 9.2
80 9.8 6.2 9.2#

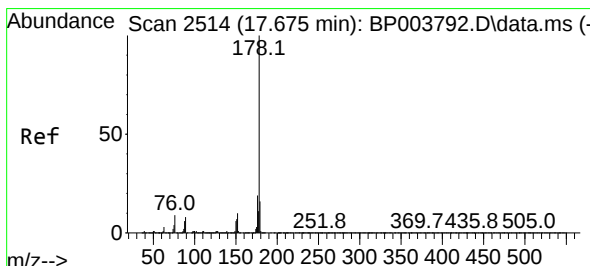
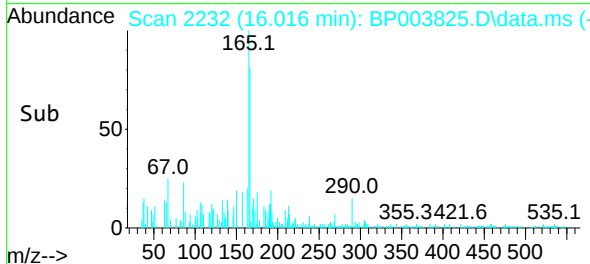
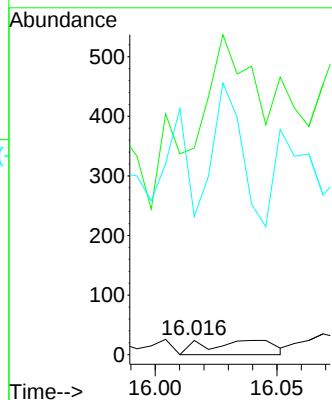
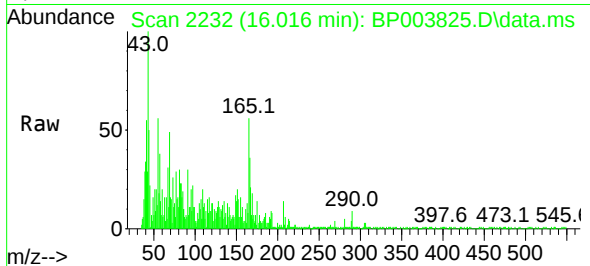




#65
4,6-Dinitro-2-methylphenol
Concen: 6.35 ng
RT: 16.016 min Scan# 2232
Delta R.T. 0.006 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

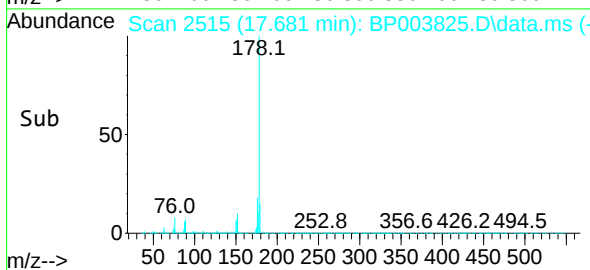
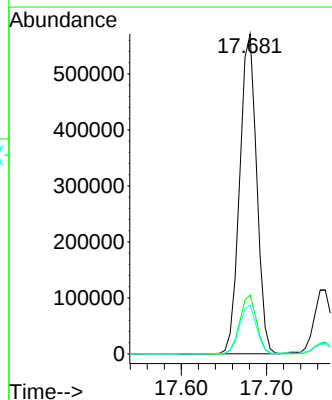
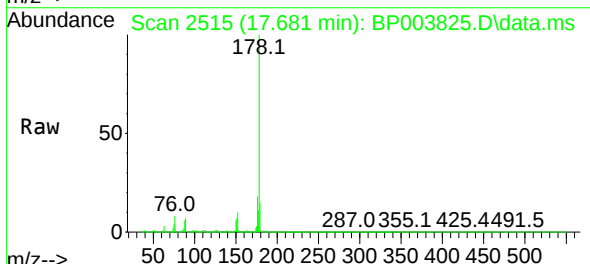
Instrument :
BNA_P
ClientSampleId :
B-2

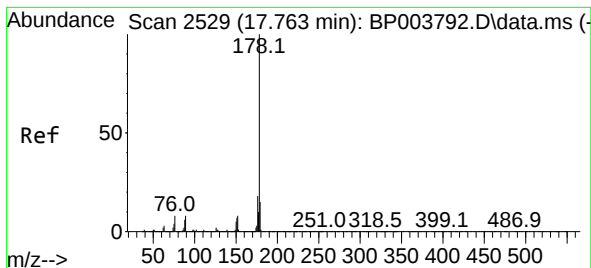
Tgt Ion:198 Resp: 46
Ion Ratio Lower Upper
198 100
51 1445.8 6.4 46.4#
105 966.7 18.9 58.9#



#71
Phenanthrene
Concen: 20.10 ng
RT: 17.681 min Scan# 2515
Delta R.T. 0.006 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

Tgt Ion:178 Resp: 789025
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.3 12.5 18.7

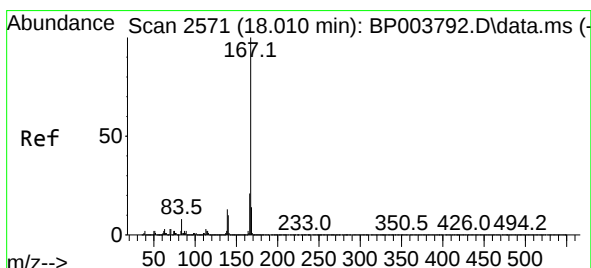
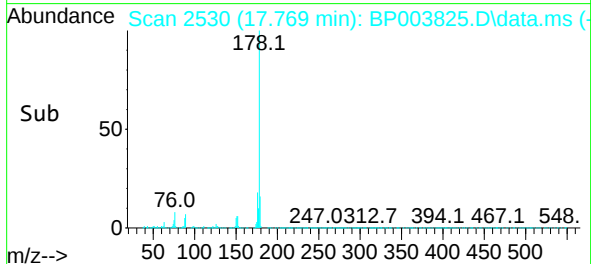
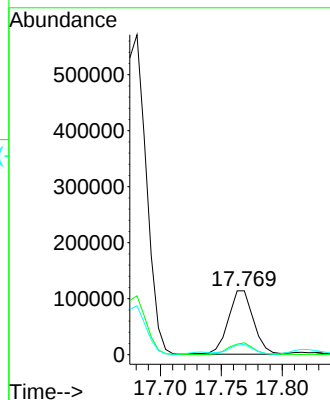
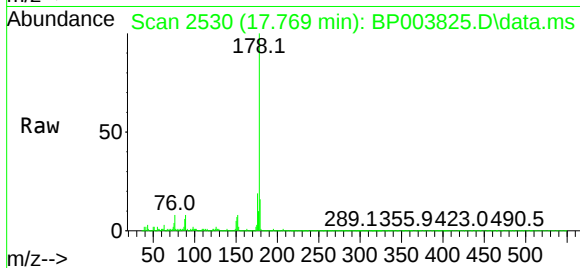




#72
 Anthracene
 Concen: 4.29 ng
 RT: 17.769 min Scan# 2530
 Delta R.T. 0.006 min
 Lab File: BP003825.D
 Acq: 05 Nov 2020 17:34

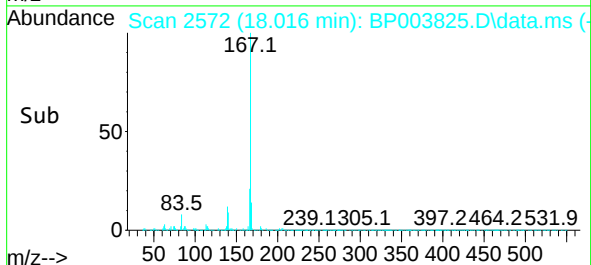
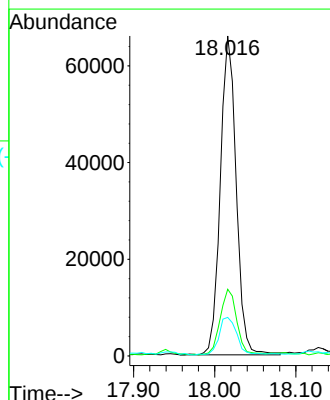
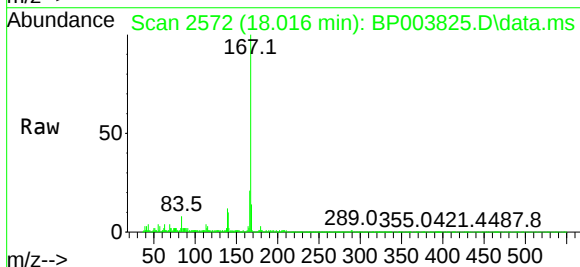
Instrument :
 BNA_P
 ClientSampleId :
 B-2

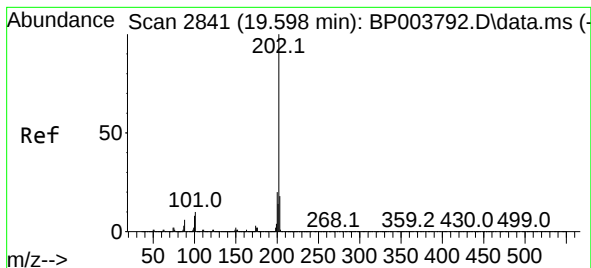
Tgt Ion:178 Resp: 162831
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.4
 179 16.1 12.5 18.7



#73
 Carbazole
 Concen: 2.56 ng
 RT: 18.016 min Scan# 2572
 Delta R.T. 0.006 min
 Lab File: BP003825.D
 Acq: 05 Nov 2020 17:34

Tgt Ion:167 Resp: 90006
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.6 26.4
 139 12.0 10.2 15.4

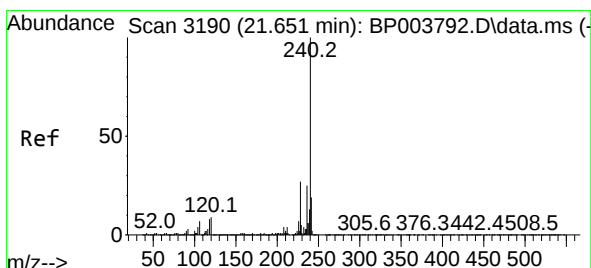
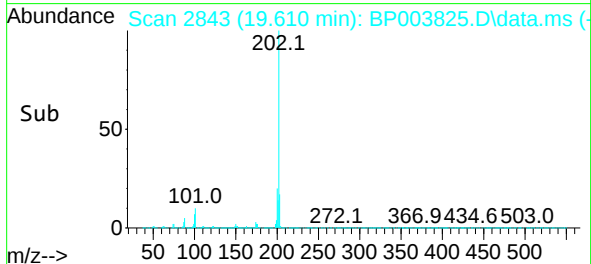
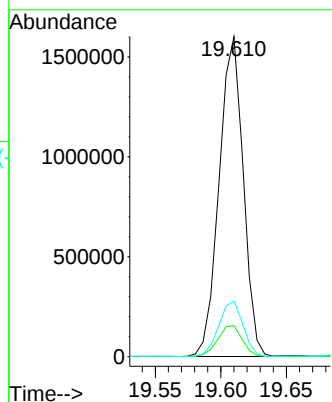
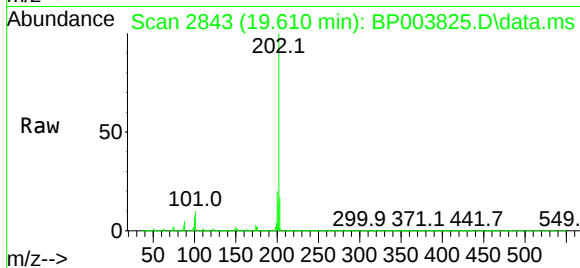




#75
Fluoranthene
Concen: 45.10 ng
RT: 19.610 min Scan# 2843
Delta R.T. 0.012 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

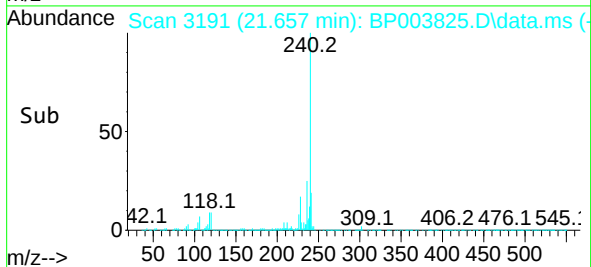
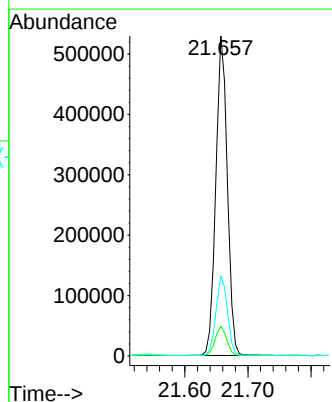
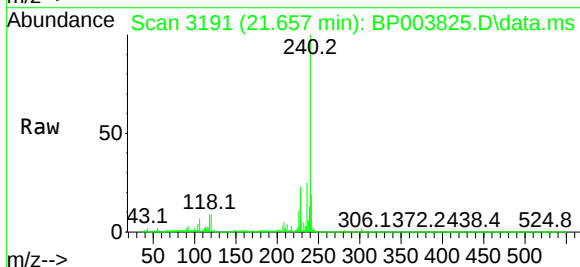
Instrument :
BNA_P
ClientSampleId :
B-2

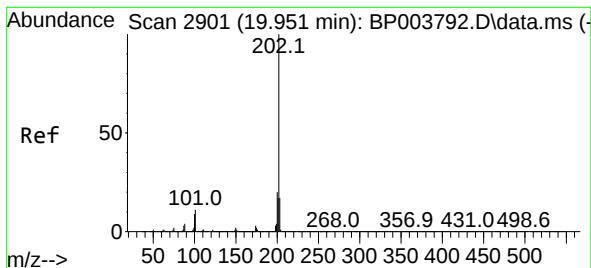
Tgt Ion:202 Resp: 2042809
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.4
203 17.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.657 min Scan# 3191
Delta R.T. 0.006 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

Tgt Ion:240 Resp: 669406
Ion Ratio Lower Upper
240 100
120 9.2 7.8 11.6
236 24.8 20.8 31.2





#78

Pyrene

Concen: 39.23 ng

RT: 19.957 min Scan# 2902

Delta R.T. 0.006 min

Lab File: BP003825.D

Acq: 05 Nov 2020 17:34

Instrument :

BNA_P

ClientSampleId :

B-2

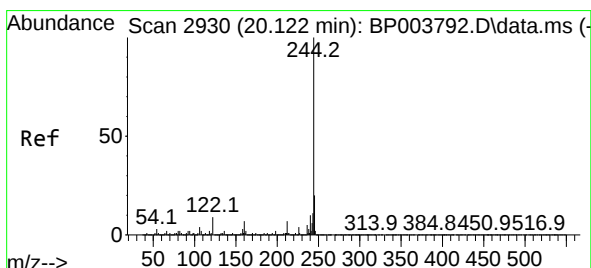
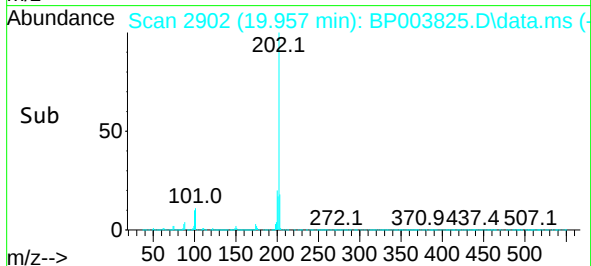
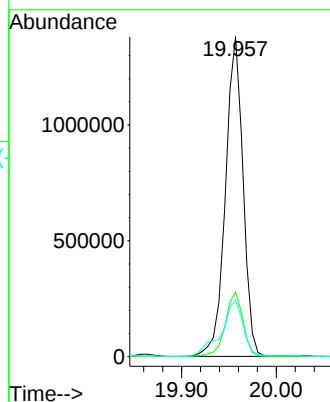
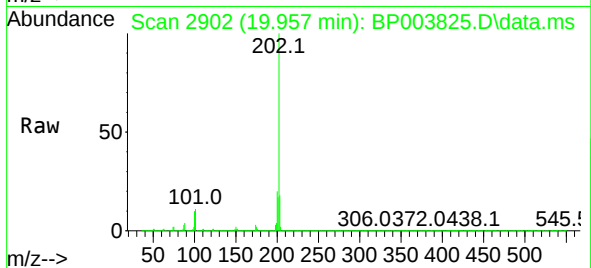
Tgt Ion:202 Resp: 1782131

Ion Ratio Lower Upper

202 100

200 20.2 17.1 25.7

203 17.8 14.2 21.2



#79

Terphenyl-d14

Concen: 47.11 ng

RT: 20.128 min Scan# 2931

Delta R.T. 0.006 min

Lab File: BP003825.D

Acq: 05 Nov 2020 17:34

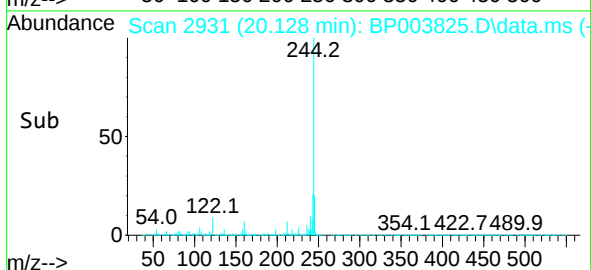
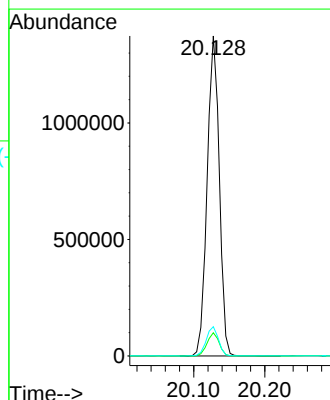
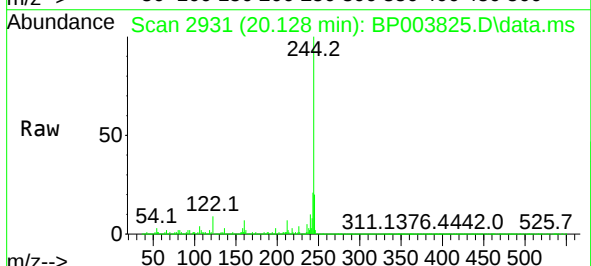
Tgt Ion:244 Resp: 1632189

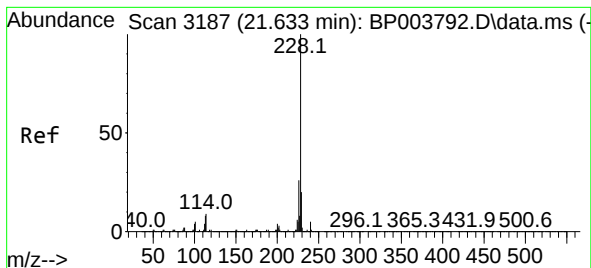
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 9.2 7.8 11.8





#81

Benzo(a)anthracene

Concen: 17.05 ng

RT: 21.639 min Scan# 3188

Delta R.T. 0.006 min

Lab File: BP003825.D

Acq: 05 Nov 2020 17:34

Instrument :

BNA_P

ClientSampleId :

B-2

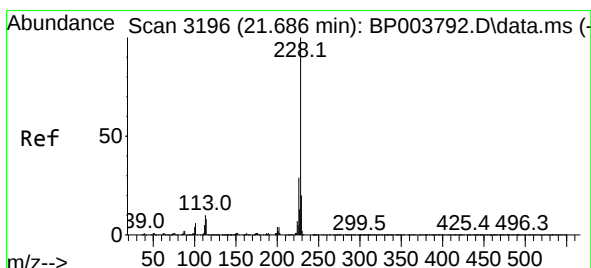
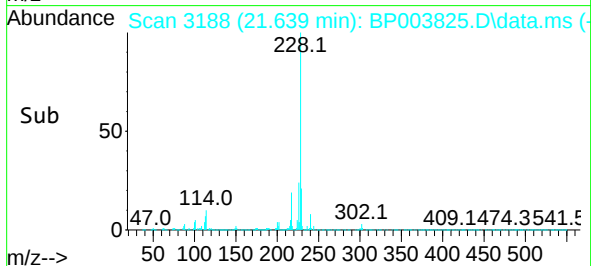
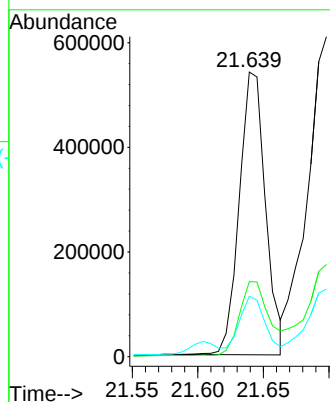
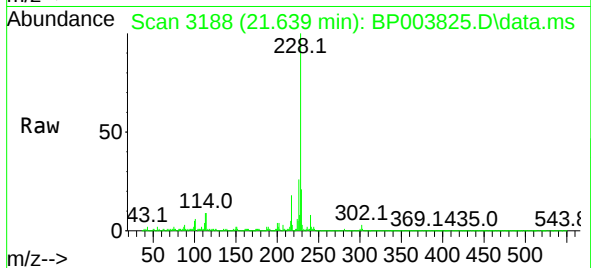
Tgt Ion:228 Resp: 752680

Ion Ratio Lower Upper

228 100

226 26.4 22.1 33.1

229 21.2 15.9 23.9



#83

Chrysene

Concen: 22.20 ng

RT: 21.698 min Scan# 3198

Delta R.T. 0.012 min

Lab File: BP003825.D

Acq: 05 Nov 2020 17:34

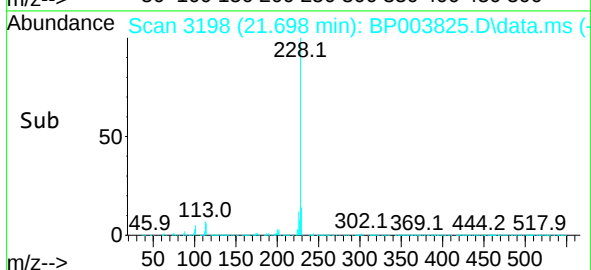
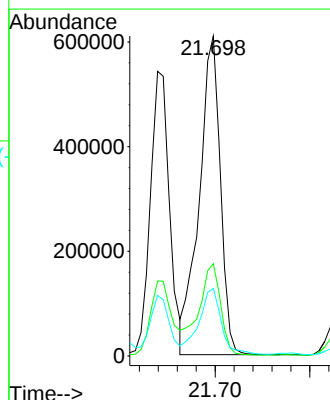
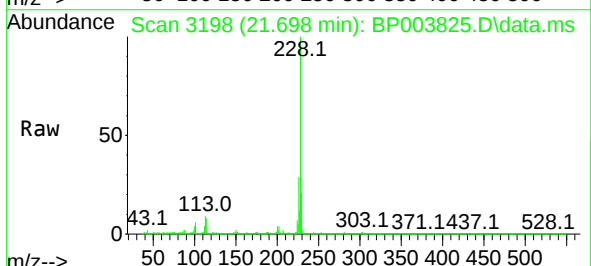
Tgt Ion:228 Resp: 941602

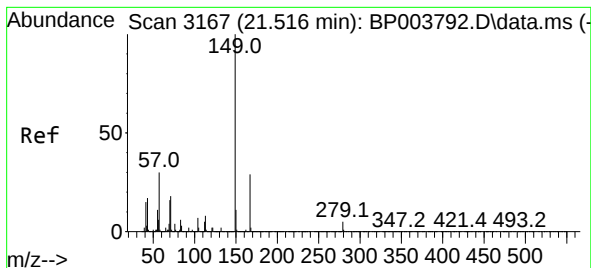
Ion Ratio Lower Upper

228 100

226 28.8 24.4 36.6

229 21.2 15.8 23.6

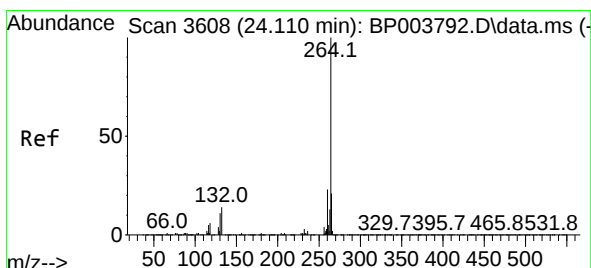
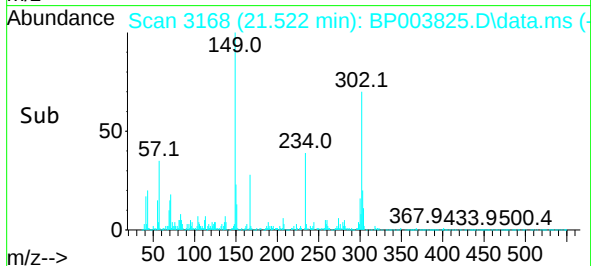
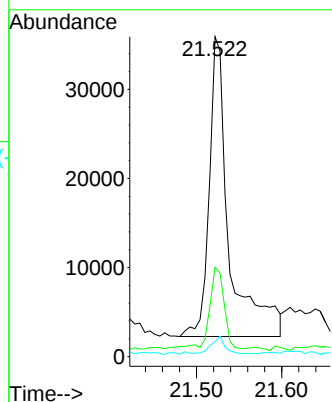
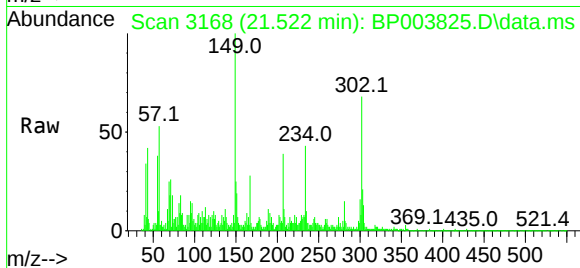




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.20 ng
RT: 21.522 min Scan# 3168
Delta R.T. 0.006 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

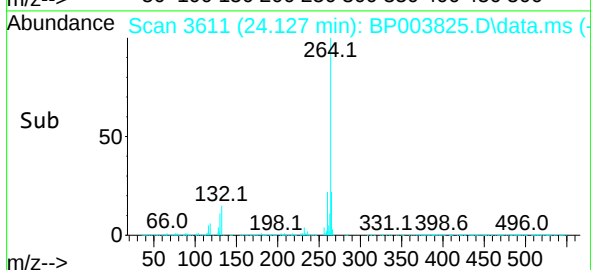
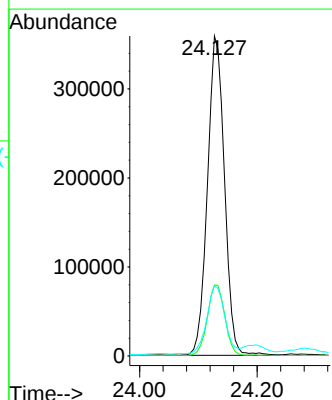
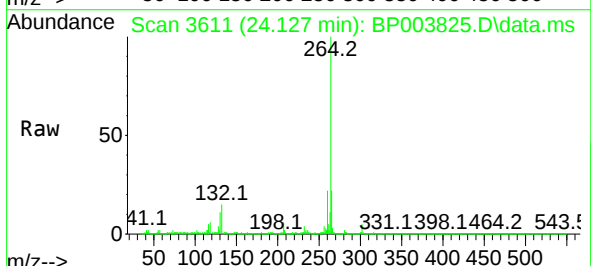
Instrument :
BNA_P
ClientSampleId :
B-2

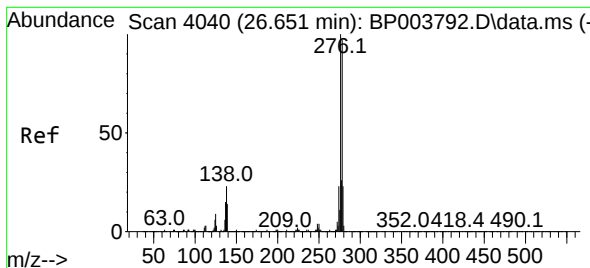
Tgt Ion:149 Resp: 54964
Ion Ratio Lower Upper
149 100
167 28.0 22.6 34.0
279 4.8 4.2 6.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.127 min Scan# 3611
Delta R.T. 0.018 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

Tgt Ion:264 Resp: 723697
Ion Ratio Lower Upper
264 100
260 22.2 18.8 28.2
265 21.9 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.37 ng

RT: 26.674 min Scan# 4044

Delta R.T. 0.023 min

Lab File: BP003825.D

Acq: 05 Nov 2020 17:34

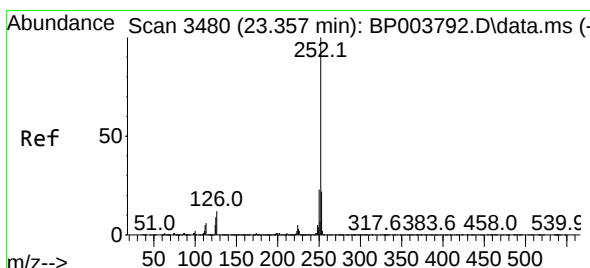
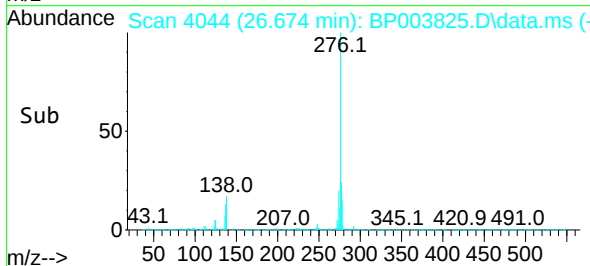
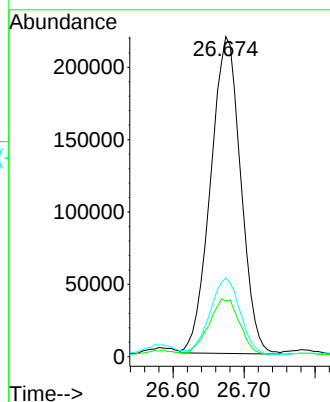
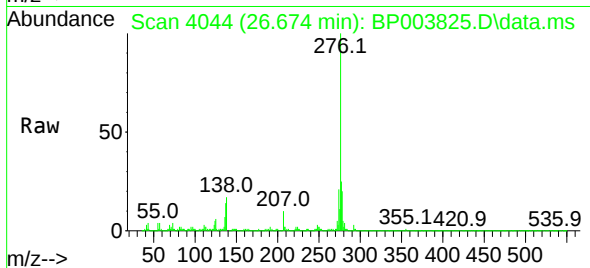
Instrument :

BNA_P

ClientSampleId :

B-2

Tgt Ion:	276	Resp:	645539
Ion Ratio	Lower	Upper	
276	100		
138	18.2	18.7	28.1#
277	24.5	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 35.39 ng

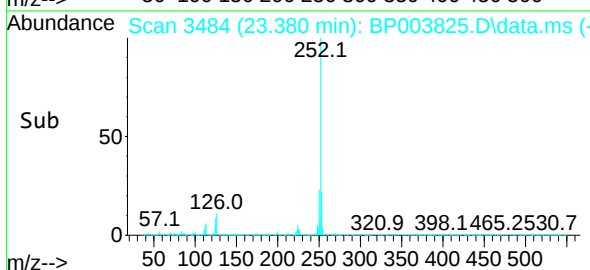
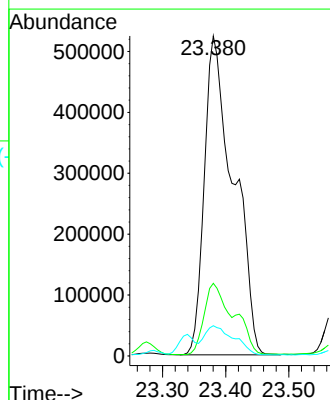
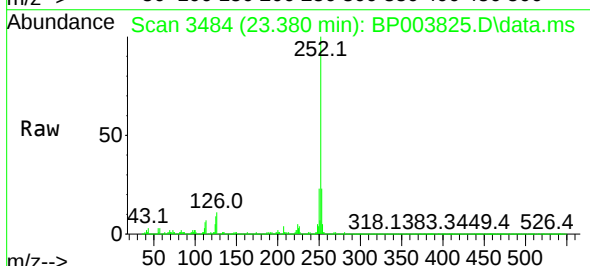
RT: 23.380 min Scan# 3484

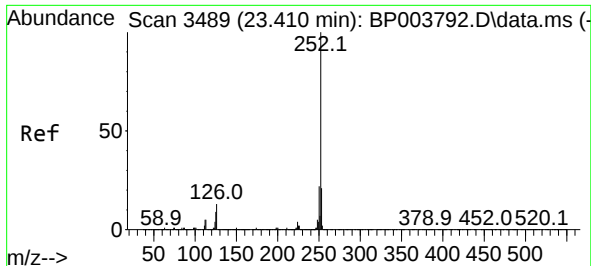
Delta R.T. 0.023 min

Lab File: BP003825.D

Acq: 05 Nov 2020 17:34

Tgt Ion:	252	Resp:	1675932
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.6	26.4
125	9.4	7.3	10.9

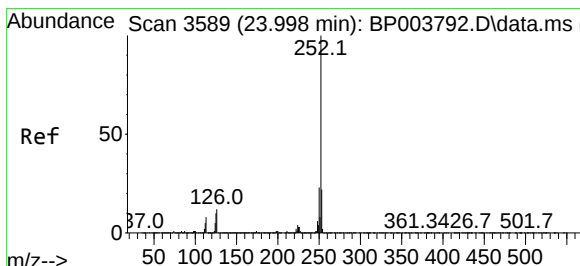
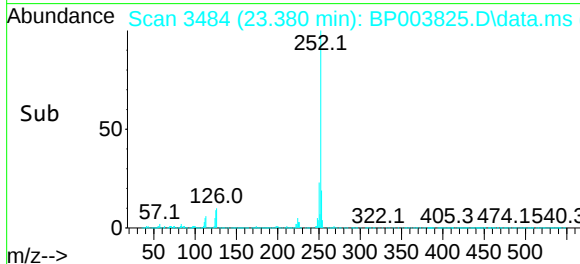
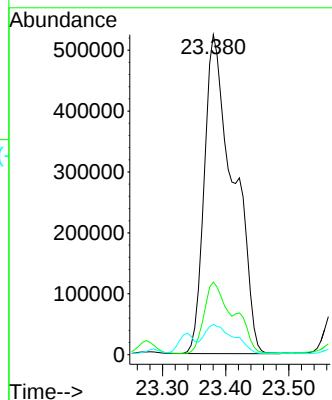
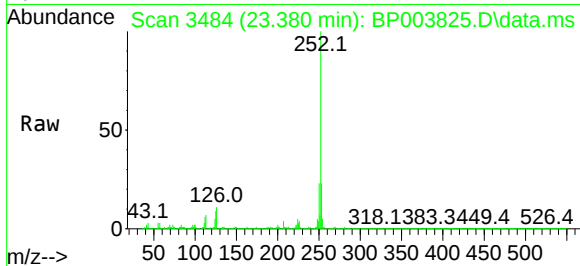




#89
Benzo(k)fluoranthene
Concen: 35.85 ng
RT: 23.380 min Scan# 3484
Delta R.T. -0.029 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

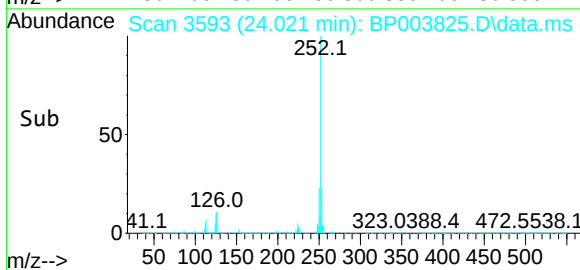
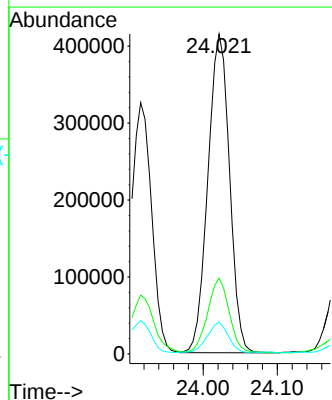
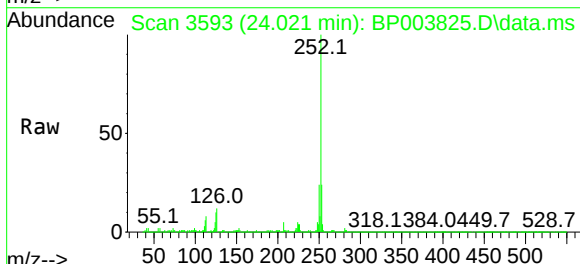
Instrument :
BNA_P
ClientSampleId :
B-2

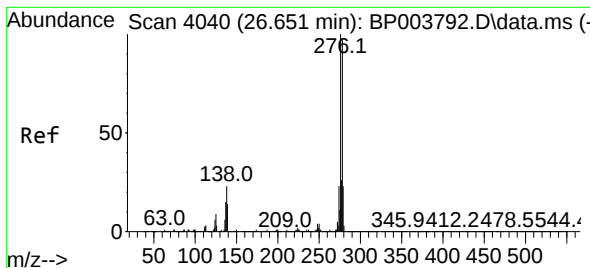
Tgt Ion:252 Resp: 1676446
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 9.4 7.4 11.2



#90
Benzo(a)pyrene
Concen: 19.16 ng
RT: 24.021 min Scan# 3593
Delta R.T. 0.023 min
Lab File: BP003825.D
Acq: 05 Nov 2020 17:34

Tgt Ion:252 Resp: 840205
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 9.9 8.2 12.4





#91

Dibenzo(a,h)anthracene

Concen: 3.57 ng

RT: 26.668 min Scan# 4043

Delta R.T. 0.018 min

Lab File: BP003825.D

Acq: 05 Nov 2020 17:34

Instrument :

BNA_P

ClientSampleId :

B-2

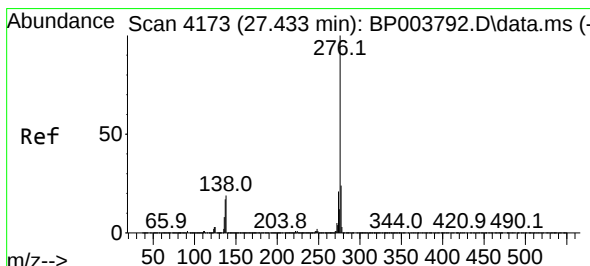
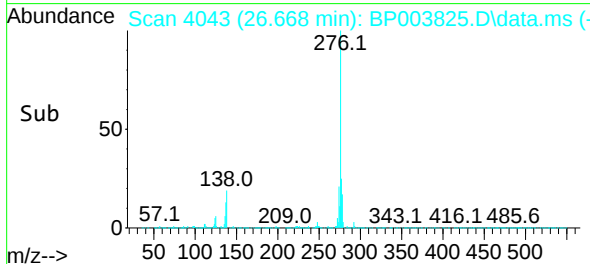
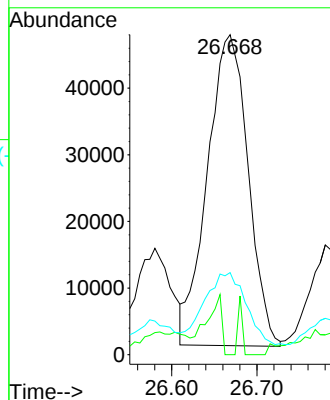
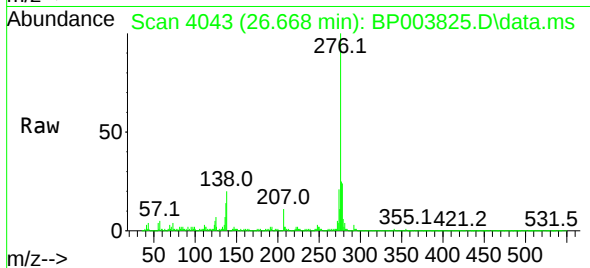
Tgt Ion:278 Resp: 155161

Ion Ratio Lower Upper

278 100

139 0.0 12.4 18.6#

279 25.7 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 15.85 ng

RT: 27.462 min Scan# 4178

Delta R.T. 0.029 min

Lab File: BP003825.D

Acq: 05 Nov 2020 17:34

Tgt Ion:276 Resp: 667446

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.6

138 18.2 16.6 24.8

