

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033122\
 Data File : BP009637.D
 Acq On : 31 Mar 2022 13:53
 Operator : CG/JU
 Sample : N2155-05RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 22L076-ERE

Quant Time: Mar 31 14:43:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

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

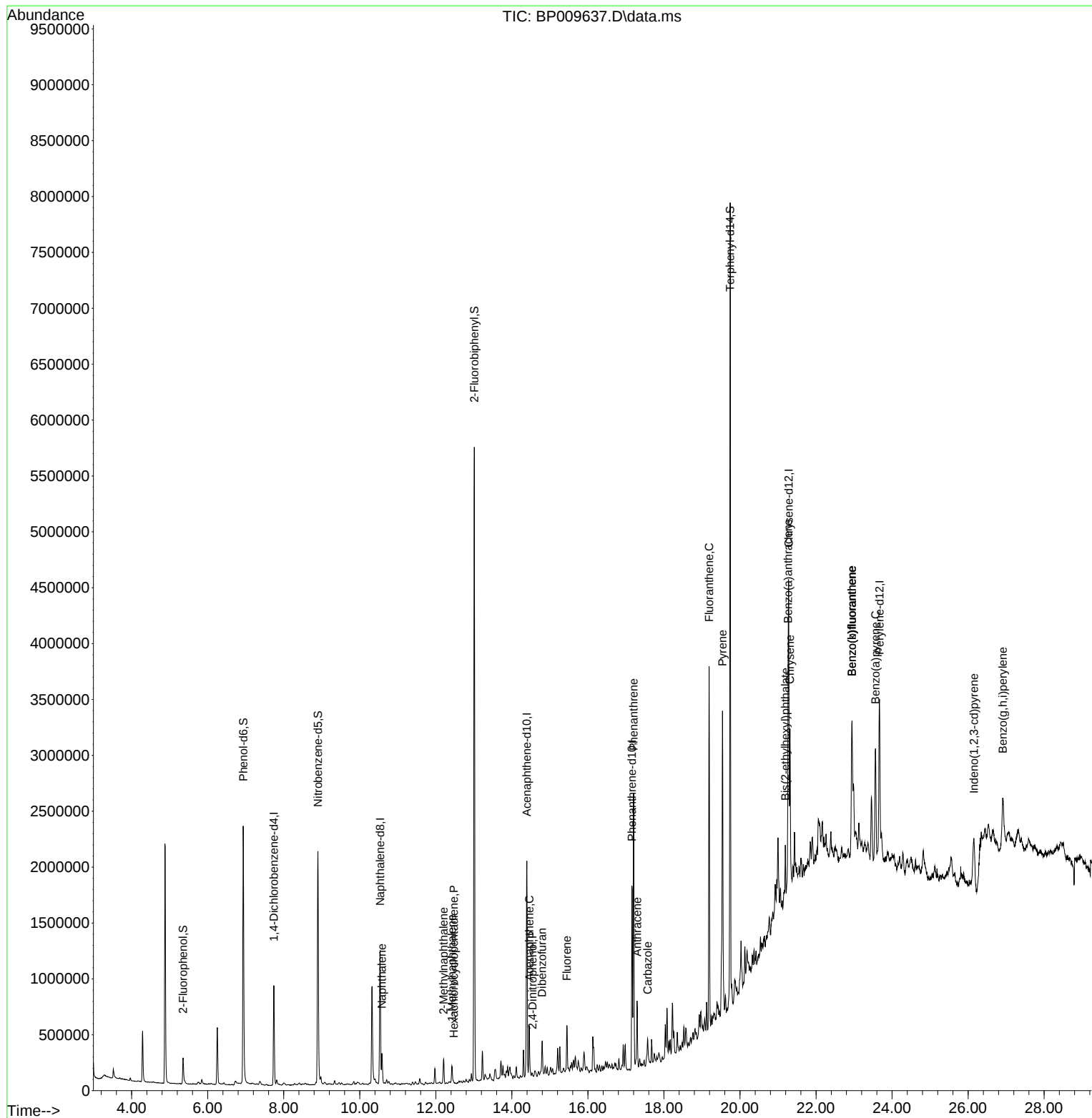
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	273383	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1071938	20.000	ng	0.00
39) Acenaphthene-d10	14.393	164	730439	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1117029	20.000	ng	0.00
76) Chrysene-d12	21.280	240	1108001	20.000	ng	# 0.00
86) Perylene-d12	23.668	264	1224123	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	141524	9.038	ng	0.00
7) Phenol-d6	6.934	99	1614388	76.238	ng	0.00
23) Nitrobenzene-d5	8.899	82	1407580	69.780	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	17374	1.441	ng	0.01
45) 2-Fluorobiphenyl	13.010	172	3284417	62.335	ng	0.00
79) Terphenyl-d14	19.739	244	3895671	63.107	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.893	77	4812	Below Cal	#	76
31) Naphthalene	10.581	128	227223	4.115	ng	99
37) 2-Methylnaphthalene	12.204	142	125052	3.228	ng	99
38) 1-Methylnaphthalene	12.422	142	81895	2.170	ng	99
41) Hexachlorocyclopentadiene	12.475	237	60	7.294	ng	86
52) Acenaphthene	14.457	154	175733	4.442	ng	99
54) 2,4-Dinitrophenol	14.540	184	78	4.543	ng	# 1
55) Dibenzofuran	14.792	168	180510	2.716	ng	# 97
58) Fluorene	15.445	166	204350	3.909	ng	98
71) Phenanthrene	17.204	178	1646293	27.532	ng	99
72) Anthracene	17.292	178	409943	6.944	ng	99
73) Carbazole	17.569	167	170256	2.949	ng	99
75) Fluoranthene	19.186	202	1978070	27.325	ng	98
78) Pyrene	19.539	202	1742245	23.862	ng	99
81) Benzo(a)anthracene	21.263	228	921283	12.656	ng	99
83) Chrysene	21.316	228	815228	11.827	ng	97
84) Bis(2-ethylhexyl)phtha...	21.192	149	183762	4.248	ng	# 97
87) Indeno(1,2,3-cd)pyrene	26.151	276	508017	5.470	ng	# 91
88) Benzo(b)fluoranthene	22.945	252	1376354	18.834	ng	96
89) Benzo(k)fluoranthene	22.945	252	1376354	19.236	ng	95
90) Benzo(a)pyrene	23.563	252	764081	12.221	ng	96
92) Benzo(g,h,i)perylene	26.910	276	588546	7.729	ng	95

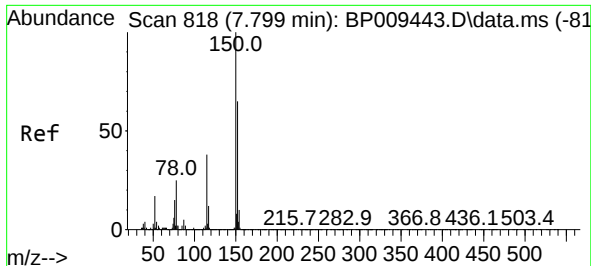
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033122\
Data File : BP009637.D
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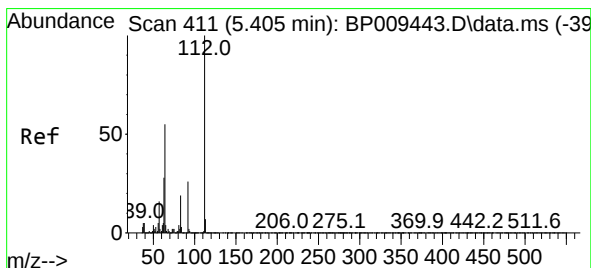
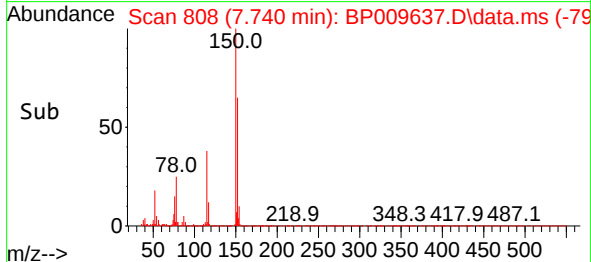
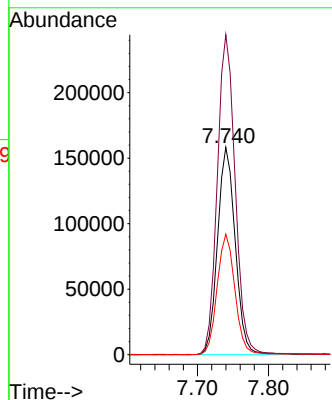
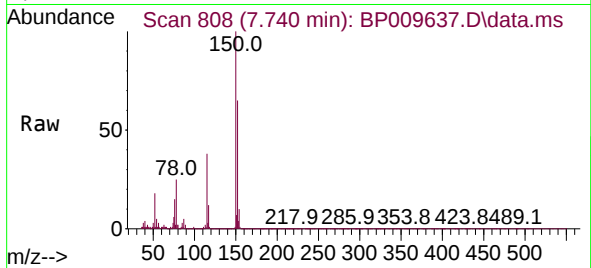




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

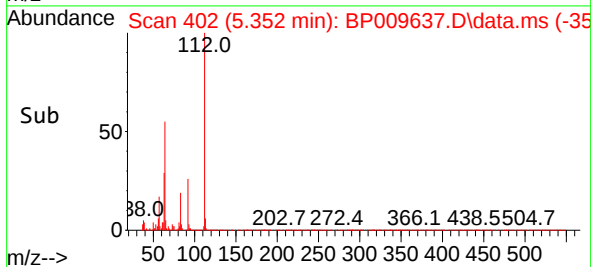
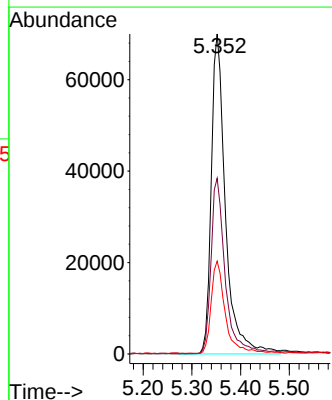
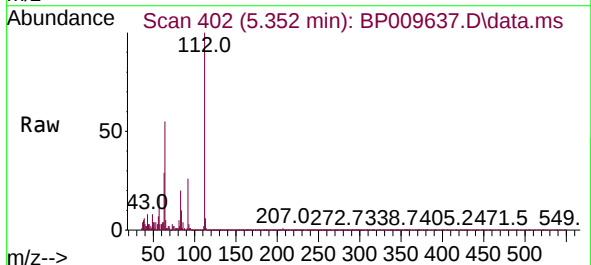
Instrument :
BNA_P
ClientSampleId :
22L076-ERE

Tgt Ion:152 Resp: 273383
Ion Ratio Lower Upper
152 100
150 154.4 124.5 186.7
115 58.1 48.2 72.4



#5
2-Fluorophenol
Concen: 9.038 ng
RT: 5.352 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Tgt Ion:112 Resp: 141524
Ion Ratio Lower Upper
112 100
64 54.9 45.0 67.4
63 29.0 23.0 34.6

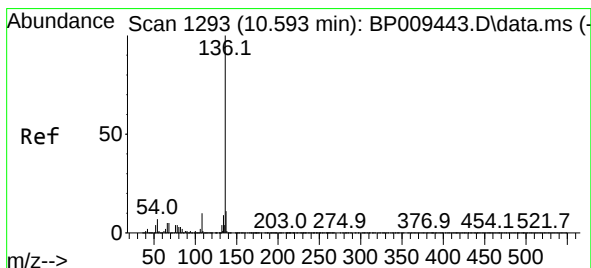
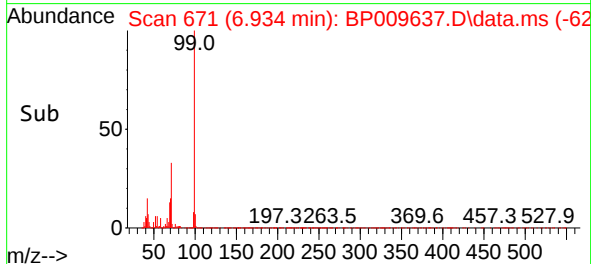
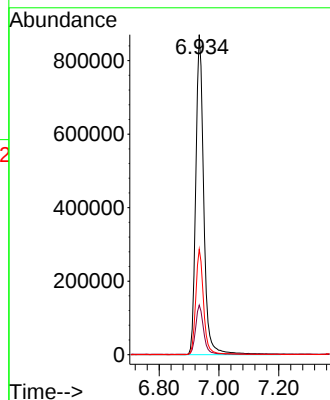
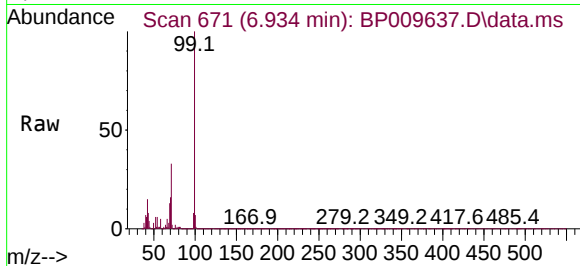




#7
Phenol-d6
Concen: 76.238 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

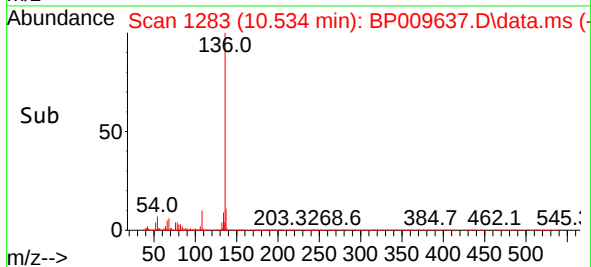
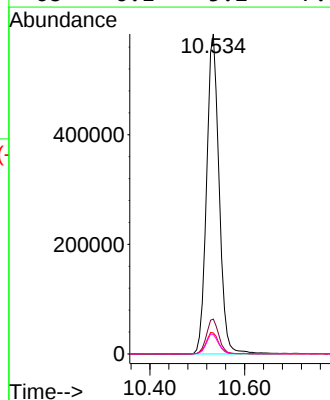
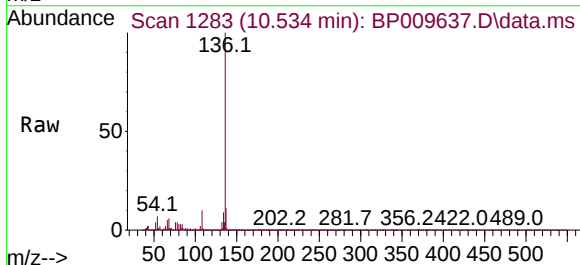
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ClientSampleId :
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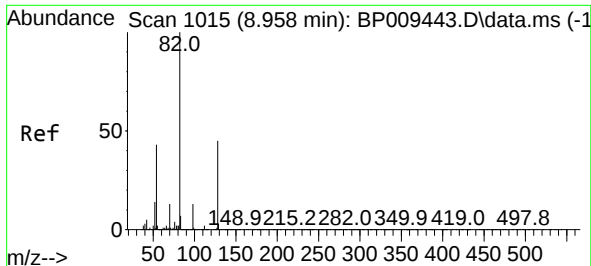
Tgt Ion: 99 Resp: 1614388
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 33.0 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Tgt Ion: 136 Resp: 1071938
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.6 5.8 8.8
68 6.1 5.2 7.8

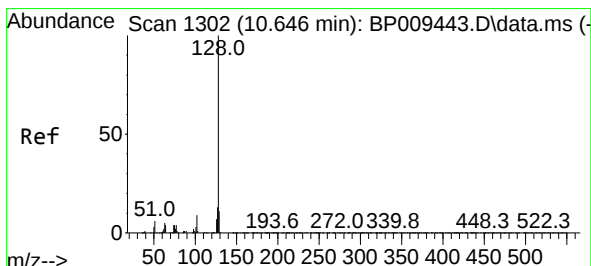
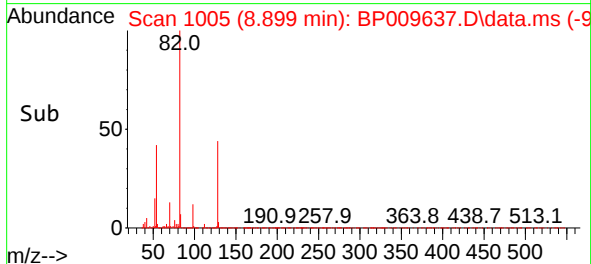
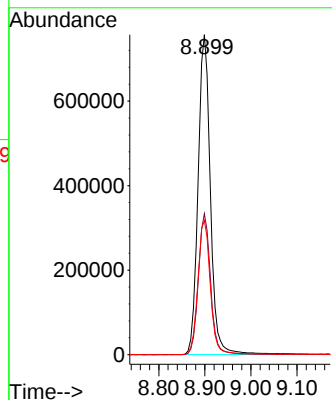
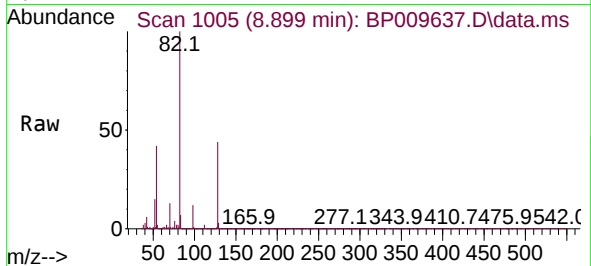




#23
Nitrobenzene-d5
Concen: 69.780 ng
RT: 8.899 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

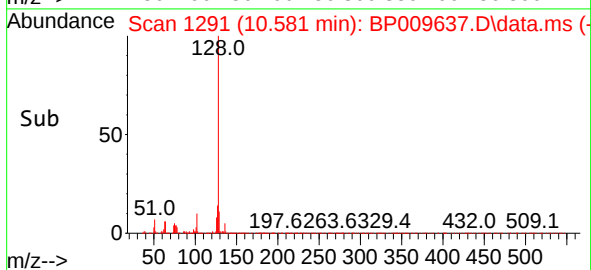
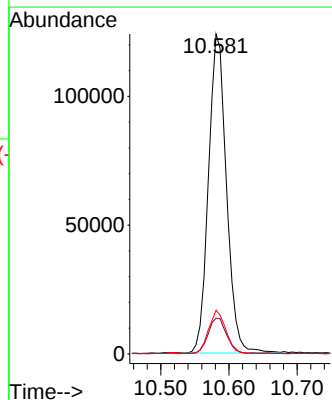
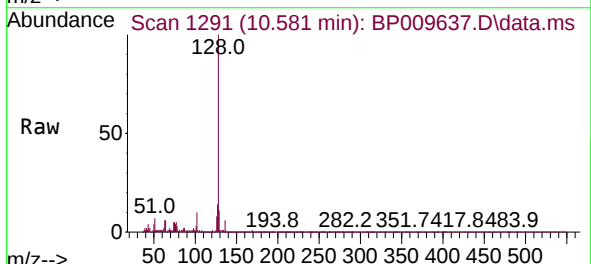
Instrument :
BNA_P
ClientSampleId :
22L076-ERE

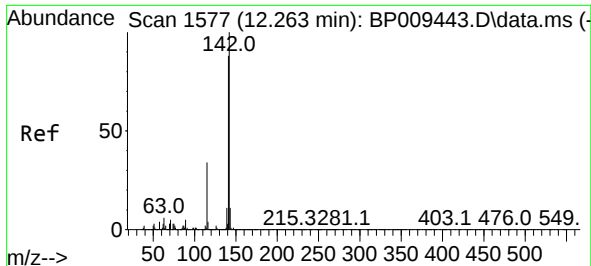
Tgt Ion: 82 Resp: 1407580
Ion Ratio Lower Upper
82 100
128 44.1 34.2 51.4
54 41.9 34.7 52.1



#31
Naphthalene
Concen: 4.115 ng
RT: 10.581 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Tgt Ion: 128 Resp: 227223
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.7 10.5 15.7

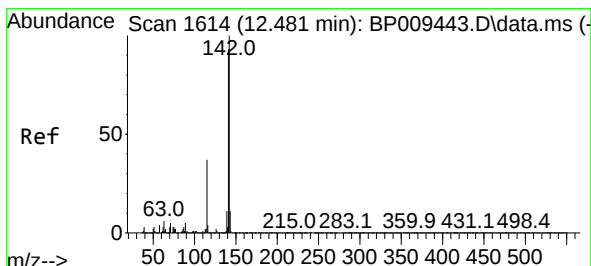
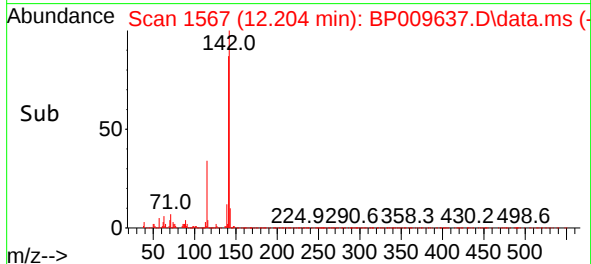
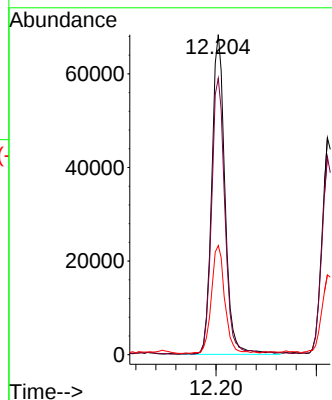
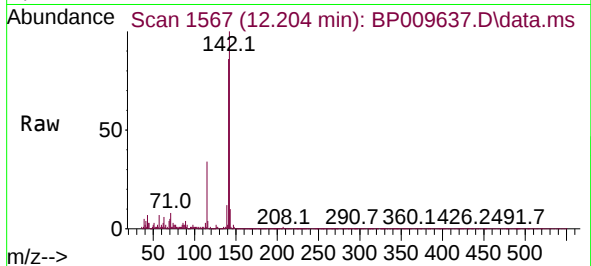




#37
2-Methylnaphthalene
Concen: 3.228 ng
RT: 12.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

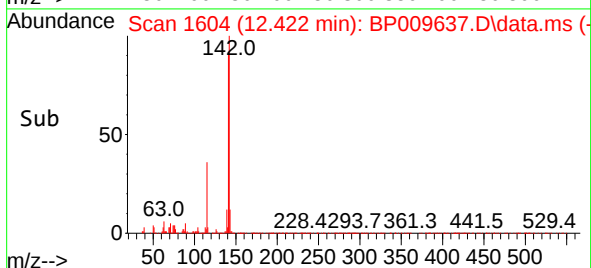
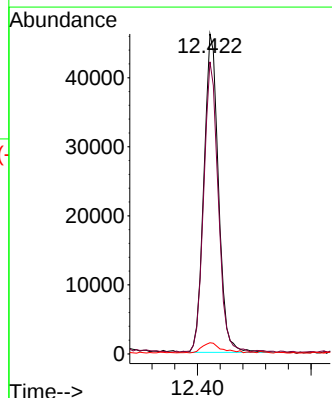
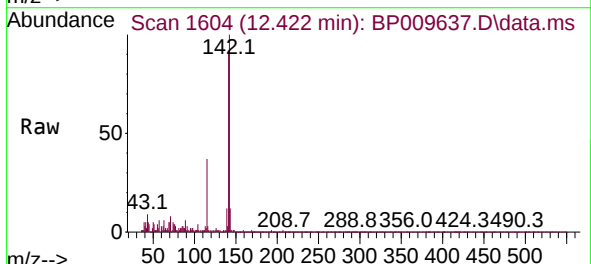
Instrument :
BNA_P
ClientSampleId :
22L076-ERE

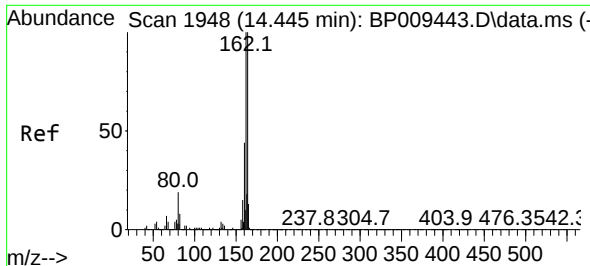
Tgt Ion:142 Resp: 125052
Ion Ratio Lower Upper
142 100
141 86.4 70.2 105.4
115 34.1 27.4 41.2



#38
1-Methylnaphthalene
Concen: 2.170 ng
RT: 12.422 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Tgt Ion:142 Resp: 81895
Ion Ratio Lower Upper
142 100
141 91.3 73.5 110.3
116 3.5 3.3 4.9

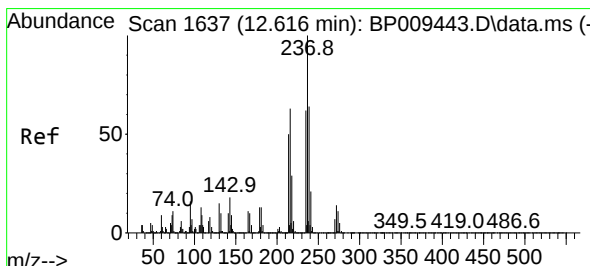
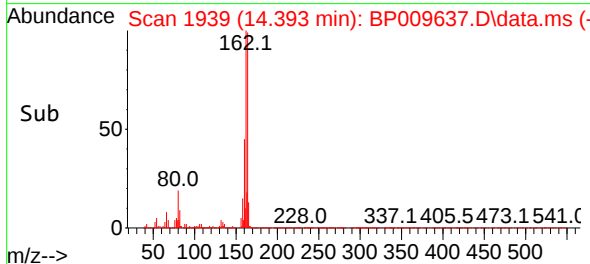
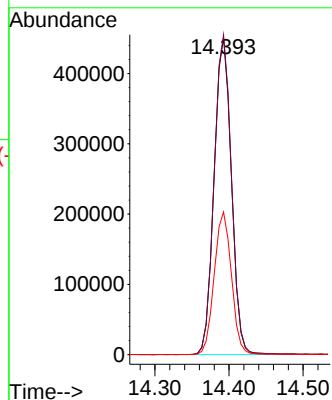
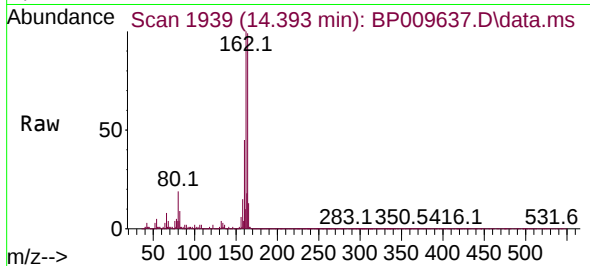




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.393 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

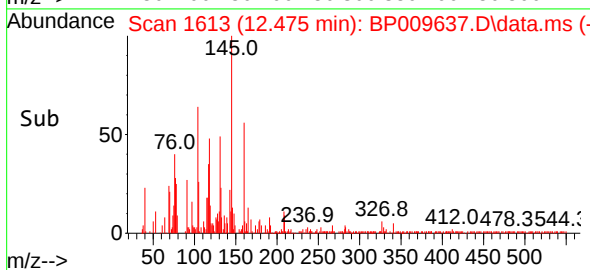
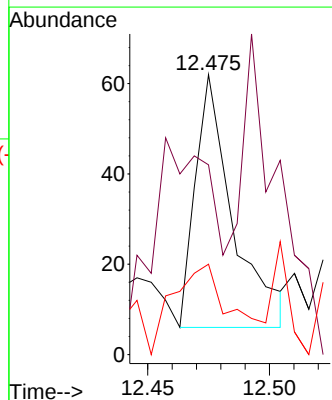
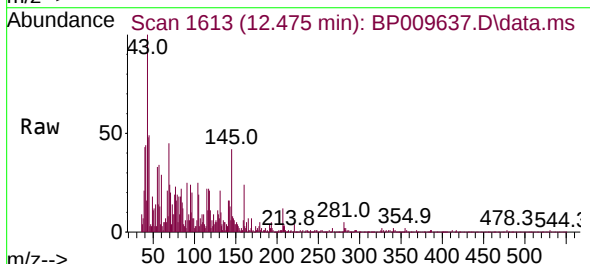
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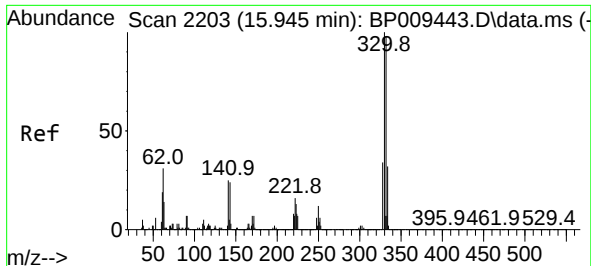
Tgt Ion:164 Resp: 730439
Ion Ratio Lower Upper
164 100
162 101.1 79.1 118.7
160 45.1 34.9 52.3



#41
Hexachlorocyclopentadiene
Concen: 7.294 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.082 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Tgt Ion:237 Resp: 60
Ion Ratio Lower Upper
237 100
235 67.7 42.6 82.6
272 32.3 0.0 32.8

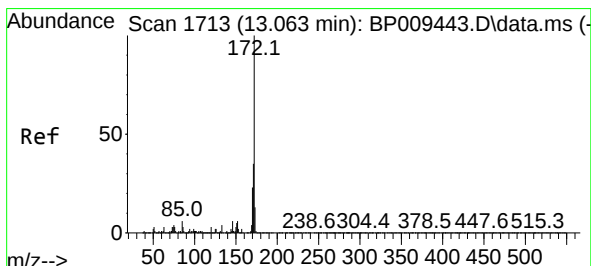
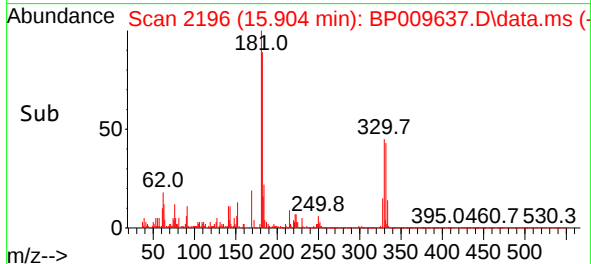
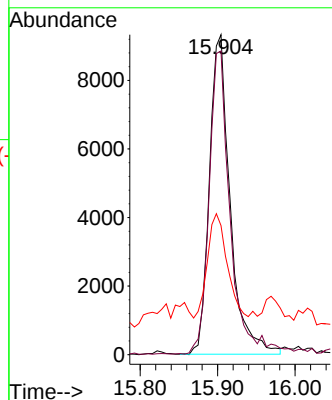
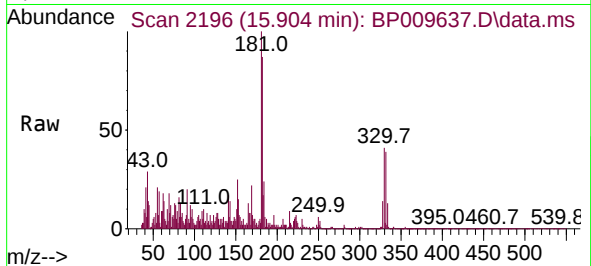




#42
2,4,6-Tribromophenol
Concen: 1.441 ng
RT: 15.904 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

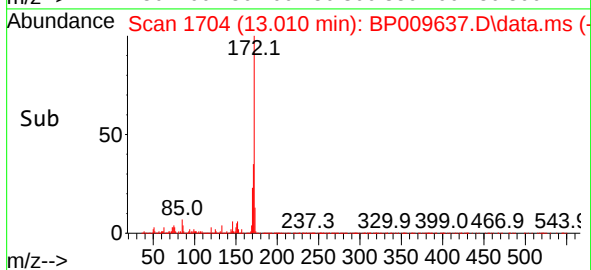
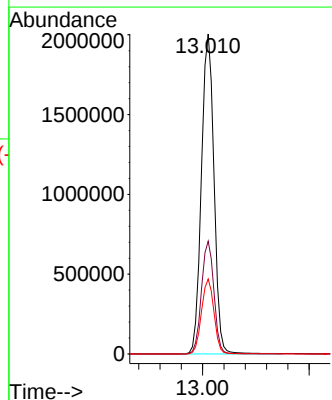
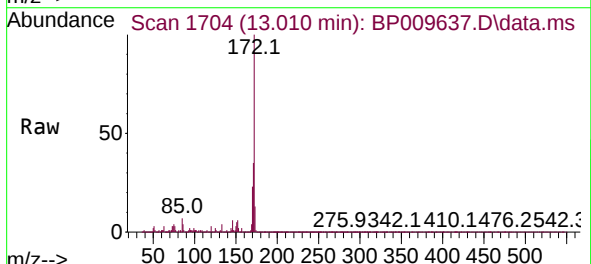
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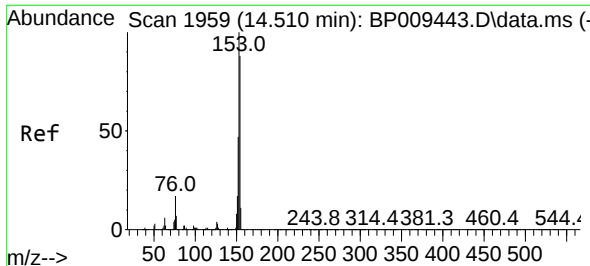
Tgt Ion: 330 Resp: 17374
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 33.6 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 62.335 ng
RT: 13.010 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Tgt Ion: 172 Resp: 3284417
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.5 18.6 27.8

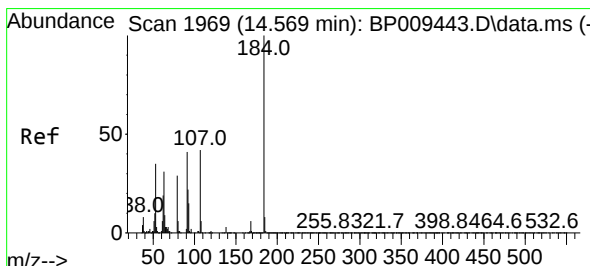
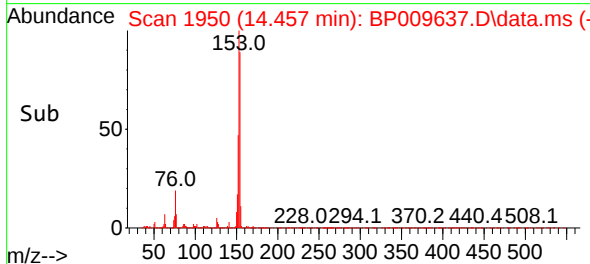
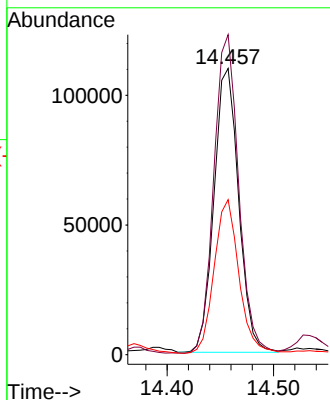
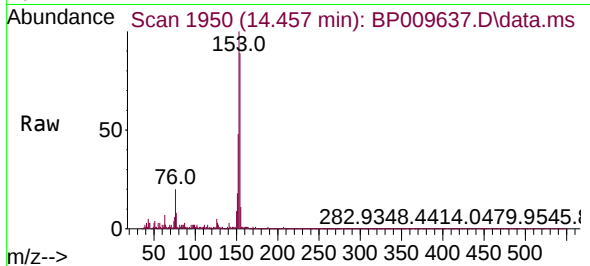




#52
Acenaphthene
Concen: 4.442 ng
RT: 14.457 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

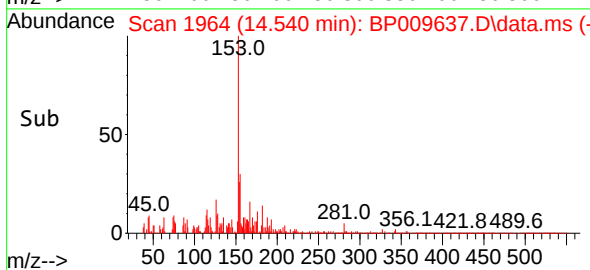
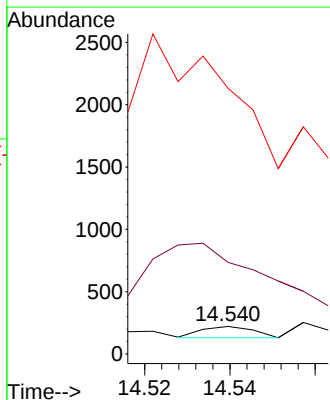
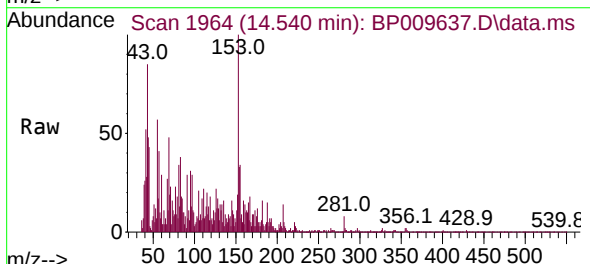
Instrument :
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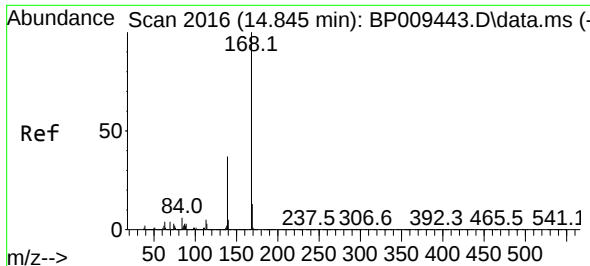
Tgt Ion:154 Resp: 175733
Ion Ratio Lower Upper
154 100
153 111.8 90.2 135.4
152 54.2 42.7 64.1



#54
2,4-Dinitrophenol
Concen: 4.543 ng
RT: 14.540 min Scan# 1964
Delta R.T. 0.012 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Tgt Ion:184 Resp: 78
Ion Ratio Lower Upper
184 100
63 332.1 46.3 69.5#
154 964.3 45.8 68.6#

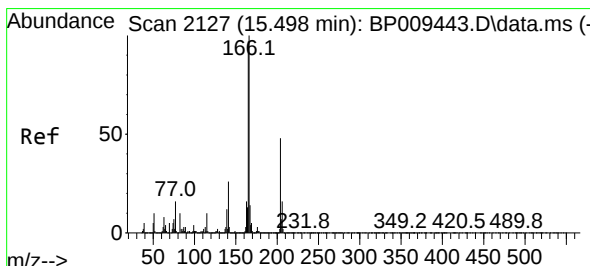
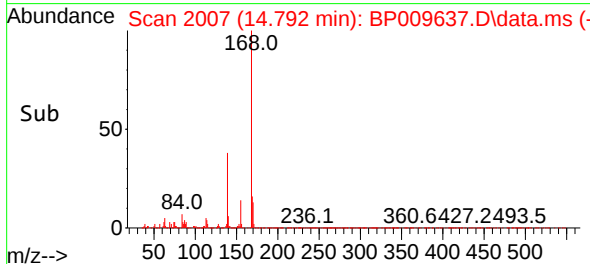
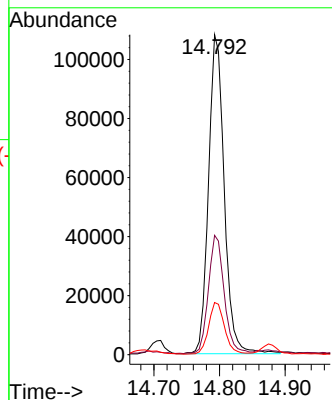
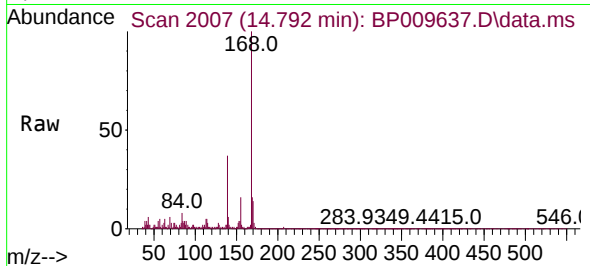




#55
Dibenzofuran
Concen: 2.716 ng
RT: 14.792 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

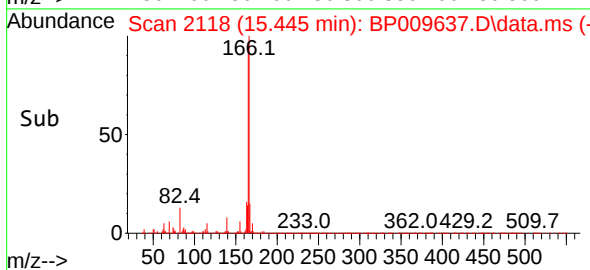
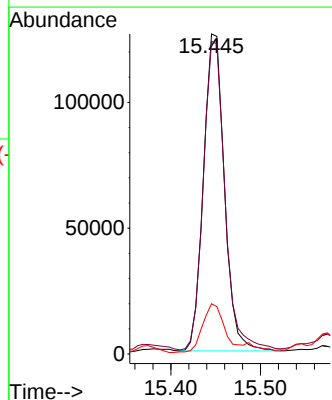
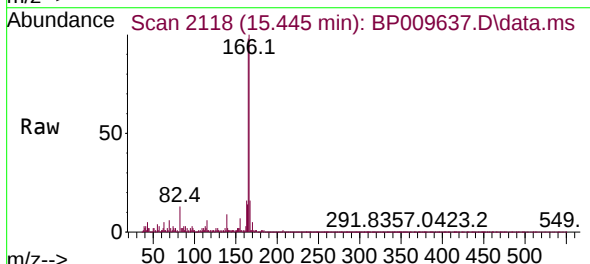
Instrument :
BNA_P
ClientSampleId :
22L076-ERE

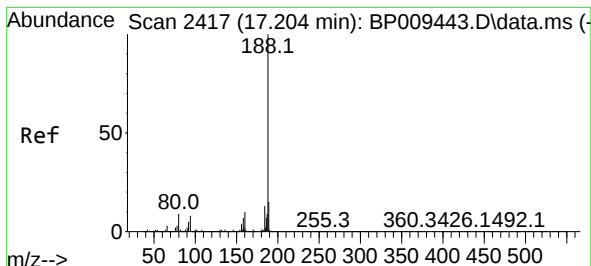
Tgt Ion:168 Resp: 180510
Ion Ratio Lower Upper
168 100
139 37.3 29.1 43.7
169 16.3 10.6 16.0#



#58
Fluorene
Concen: 3.909 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Tgt Ion:166 Resp: 204350
Ion Ratio Lower Upper
166 100
165 97.7 79.2 118.8
167 15.7 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BP009637.D

Acq: 31 Mar 2022 13:53

Instrument :

BNA_P

ClientSampleId :

22L076-ERE

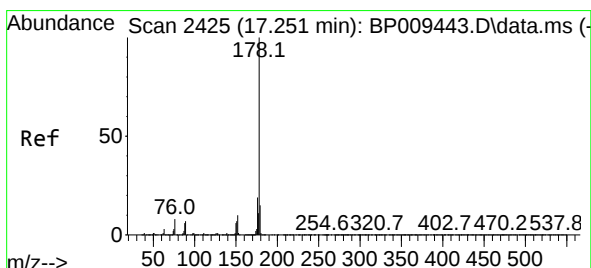
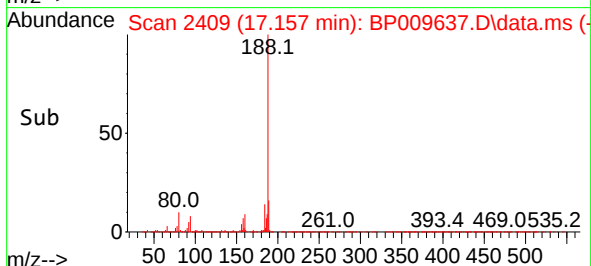
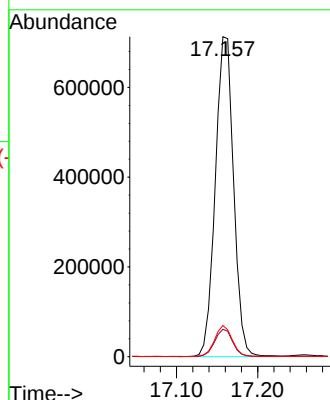
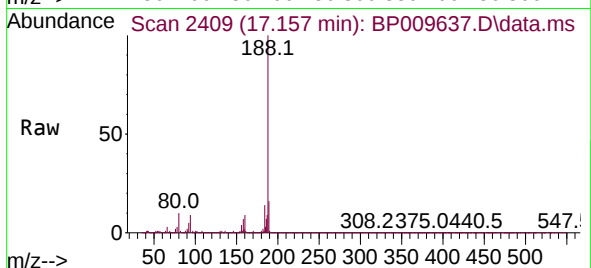
Tgt Ion:188 Resp: 1117029

Ion Ratio Lower Upper

188 100

94 8.5 7.9 11.9

80 9.7 8.8 13.2



#71

Phenanthrene

Concen: 27.532 ng

RT: 17.204 min Scan# 2417

Delta R.T. 0.006 min

Lab File: BP009637.D

Acq: 31 Mar 2022 13:53

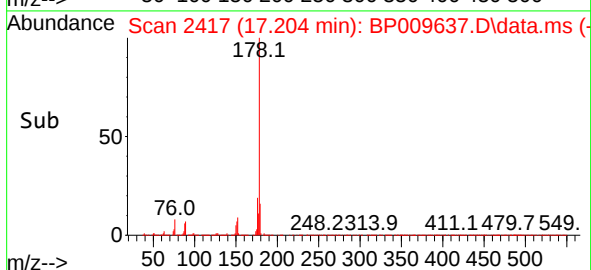
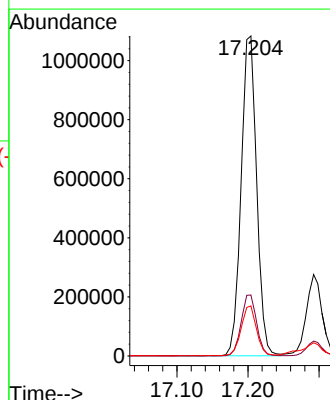
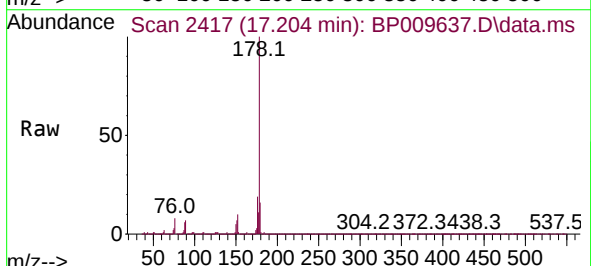
Tgt Ion:178 Resp: 1646293

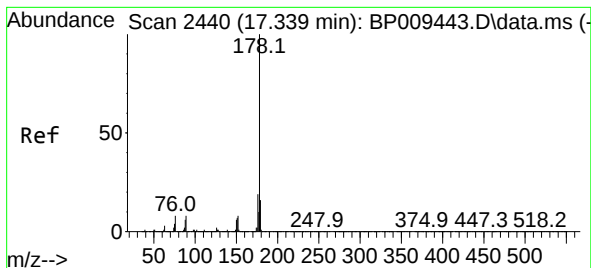
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.7 12.3 18.5





#72

Anthracene

Concen: 6.944 ng

RT: 17.292 min Scan# 2440

Delta R.T. 0.000 min

Lab File: BP009637.D

Acq: 31 Mar 2022 13:53

Instrument :

BNA_P

ClientSampleId :

22L076-ERE

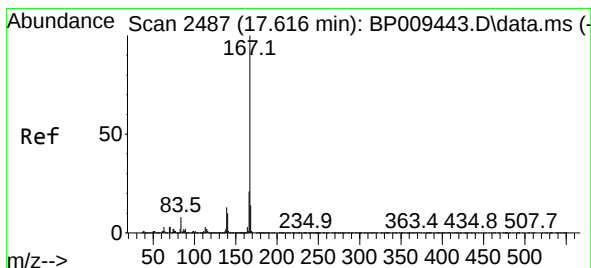
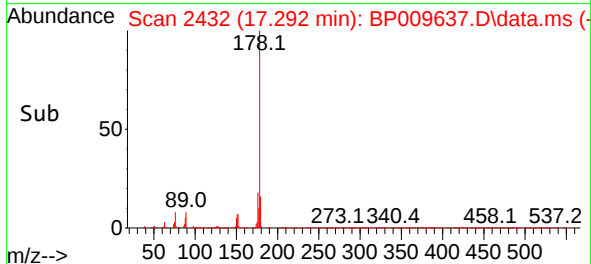
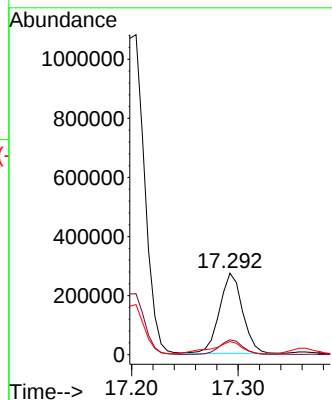
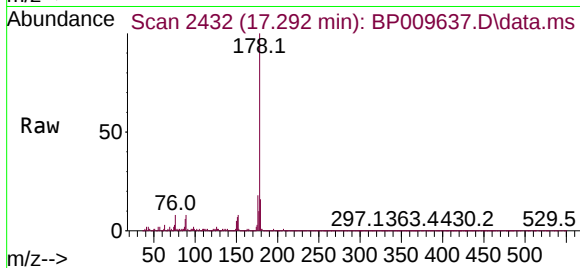
Tgt Ion:178 Resp: 409943

Ion Ratio Lower Upper

178 100

176 18.3 14.8 22.2

179 16.1 12.2 18.4



#73

Carbazole

Concen: 2.949 ng

RT: 17.569 min Scan# 2479

Delta R.T. 0.000 min

Lab File: BP009637.D

Acq: 31 Mar 2022 13:53

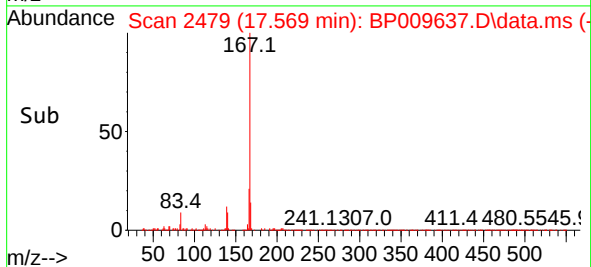
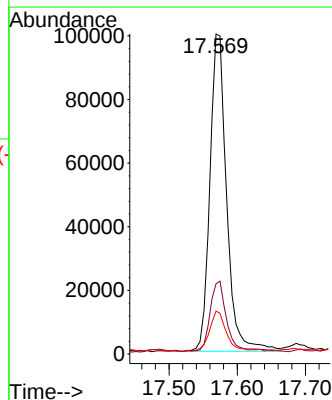
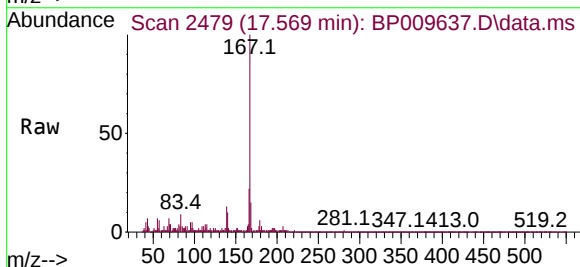
Tgt Ion:167 Resp: 170256

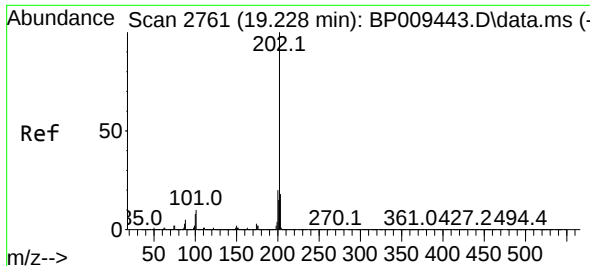
Ion Ratio Lower Upper

167 100

166 22.0 17.2 25.8

139 13.4 10.3 15.5

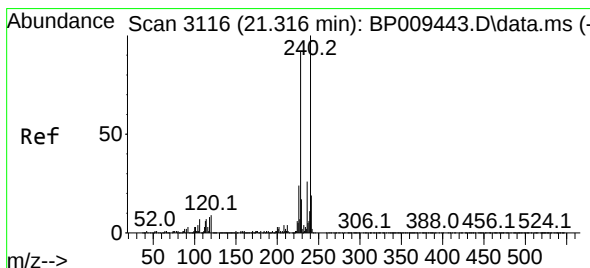
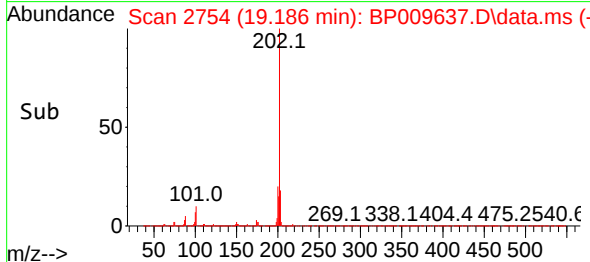
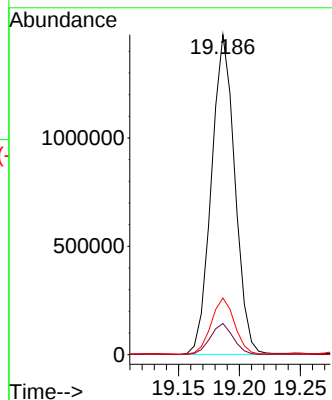
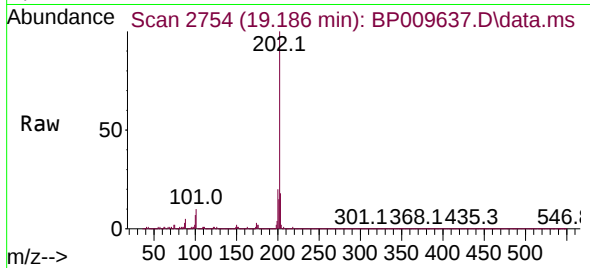




#75
Fluoranthene
Concen: 27.325 ng
RT: 19.186 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

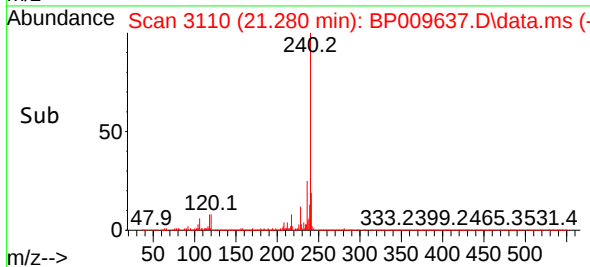
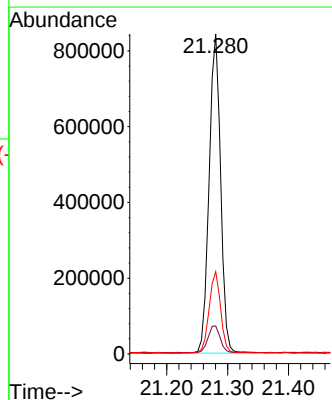
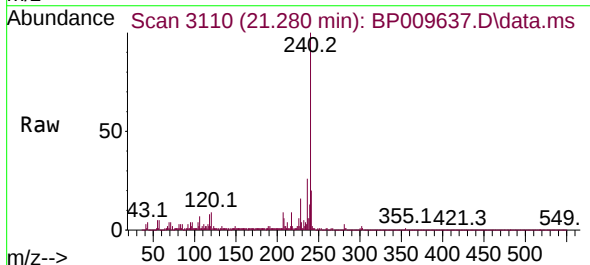
Instrument :
BNA_P
ClientSampleId :
22L076-ERE

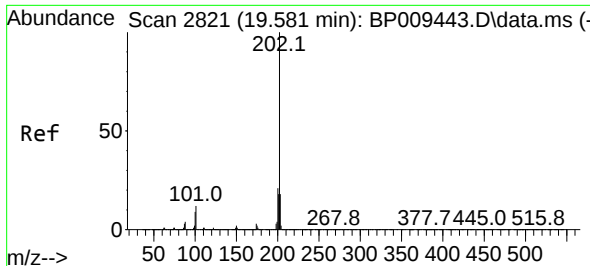
Tgt Ion:202 Resp: 1978070
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.5
203 17.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.280 min Scan# 3110
Delta R.T. 0.006 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Tgt Ion:240 Resp: 1108001
Ion Ratio Lower Upper
240 100
120 8.7 9.0 13.4#
236 25.7 20.6 30.8

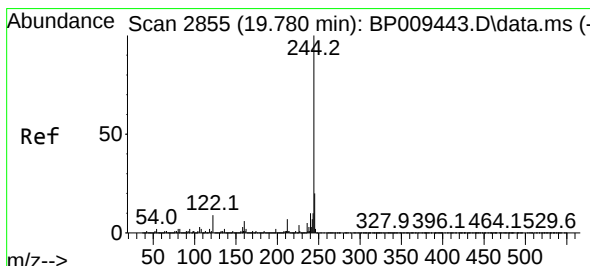
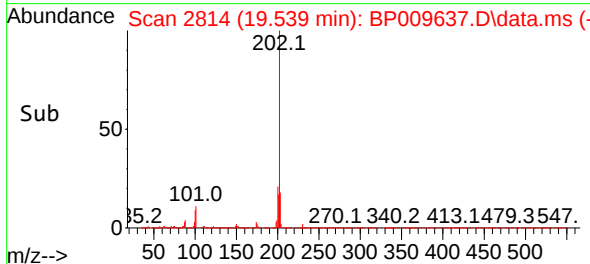
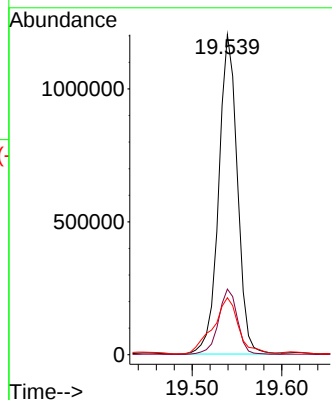
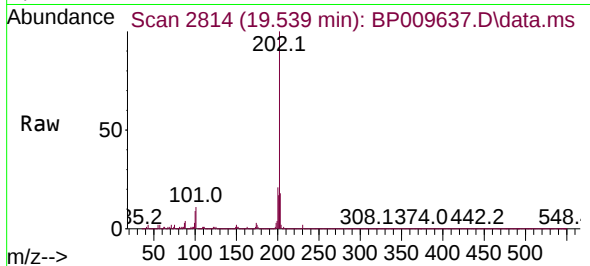




#78
Pyrene
Concen: 23.862 ng
RT: 19.539 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

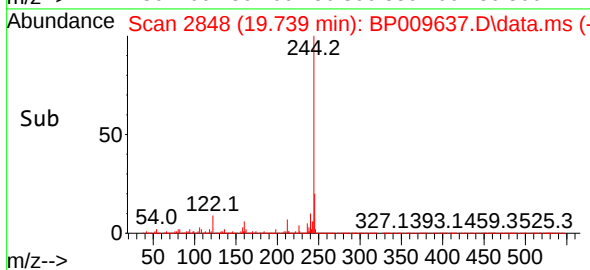
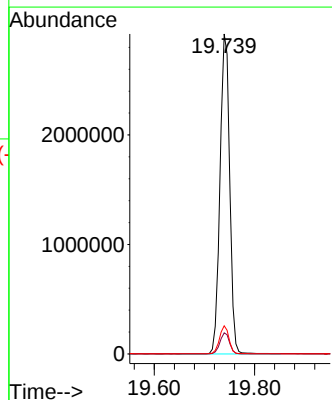
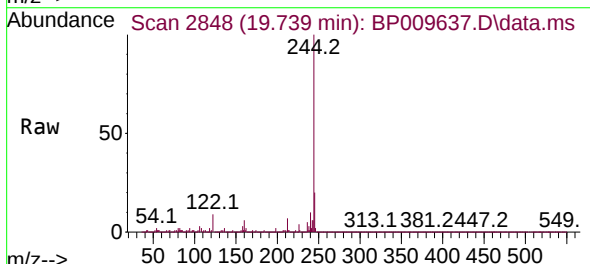
Instrument :
BNA_P
ClientSampleId :
22L076-ERE

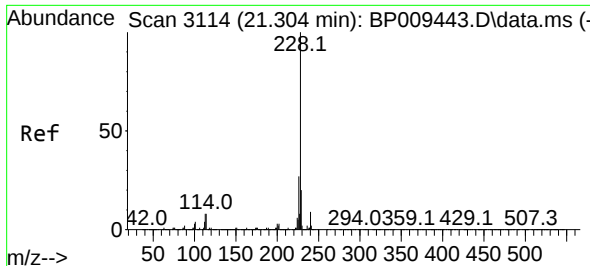
Tgt Ion:202 Resp: 1742245
Ion Ratio Lower Upper
202 100
200 20.5 16.8 25.2
203 17.8 14.2 21.4



#79
Terphenyl-d14
Concen: 63.107 ng
RT: 19.739 min Scan# 2848
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Tgt Ion:244 Resp: 3895671
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 8.8 8.3 12.5

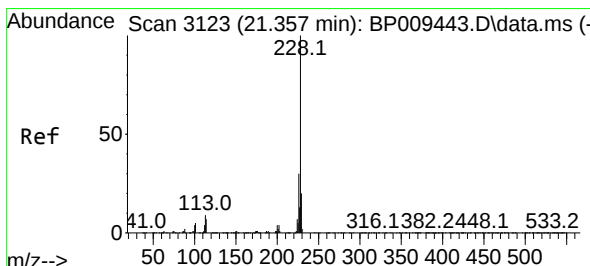
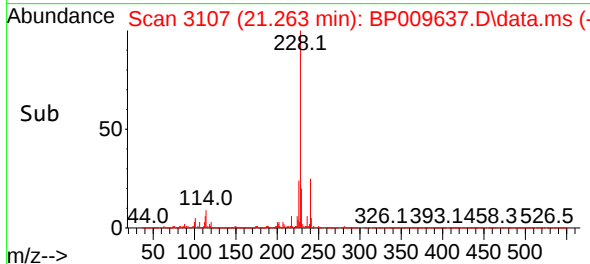
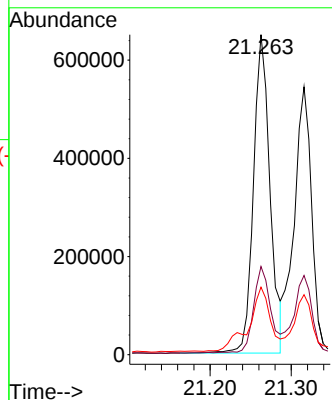
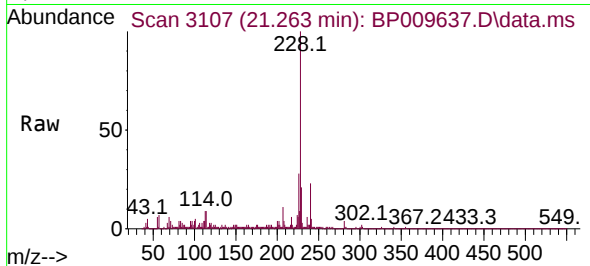




#81
Benzo(a)anthracene
Concen: 12.656 ng
RT: 21.263 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

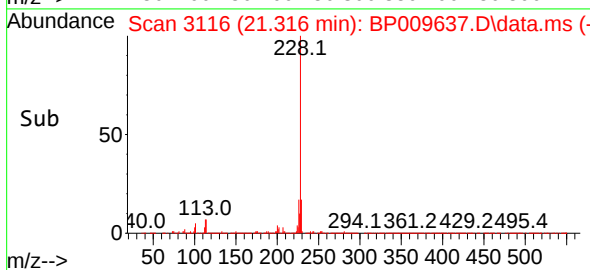
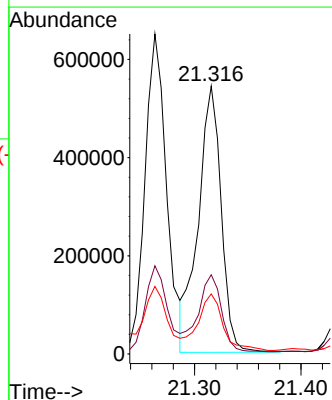
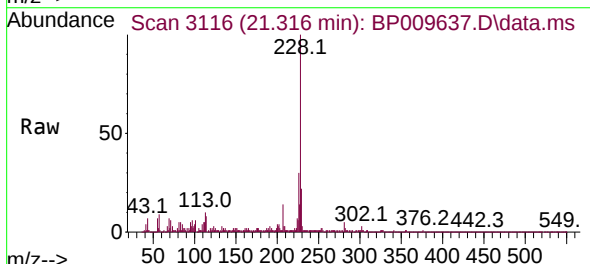
Instrument :
BNA_P
ClientSampleId :
22L076-ERE

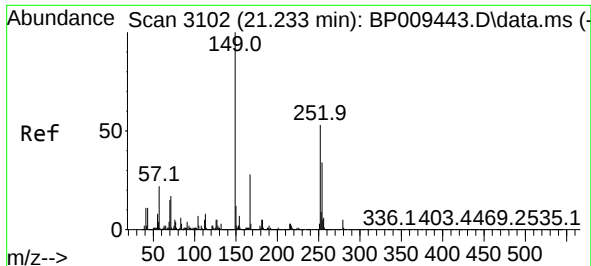
Tgt Ion:228 Resp: 921283
Ion Ratio Lower Upper
228 100
226 27.6 22.0 33.0
229 21.1 16.1 24.1



#83
Chrysene
Concen: 11.827 ng
RT: 21.316 min Scan# 3116
Delta R.T. 0.006 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Tgt Ion:228 Resp: 815228
Ion Ratio Lower Upper
228 100
226 29.6 24.2 36.2
229 22.4 16.1 24.1

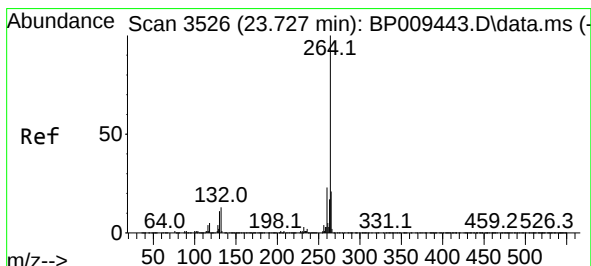
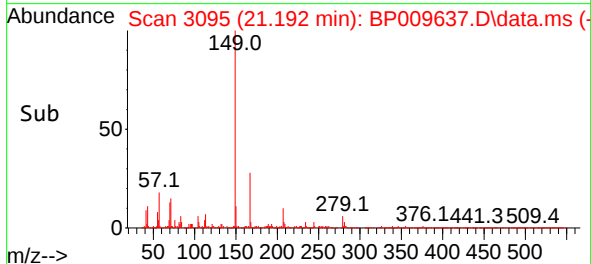
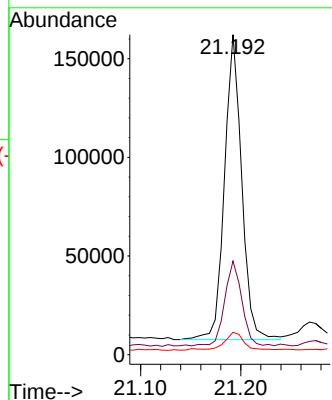
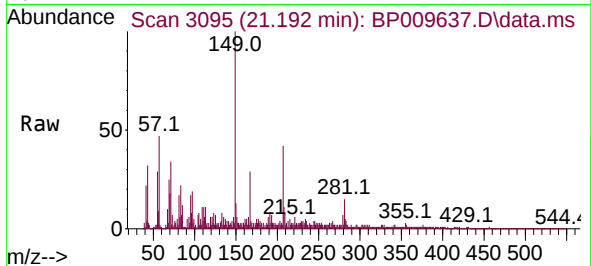




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.248 ng
 RT: 21.192 min Scan# 3095
 Delta R.T. 0.000 min
 Lab File: BP009637.D
 Acq: 31 Mar 2022 13:53

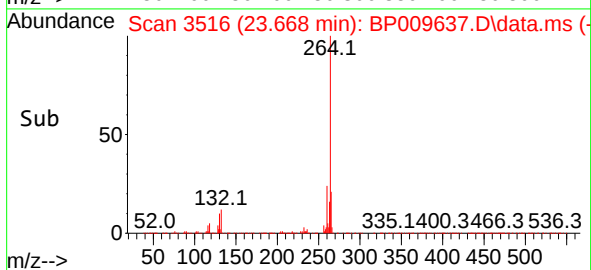
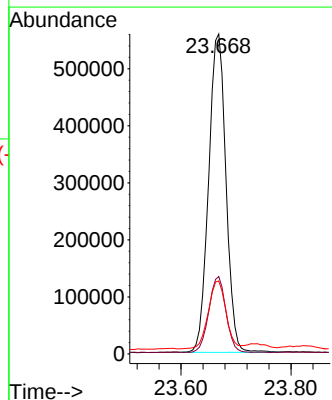
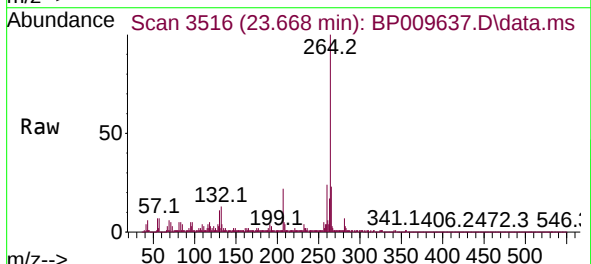
Instrument :
 BNA_P
 ClientSampleId :
 22L076-ERE

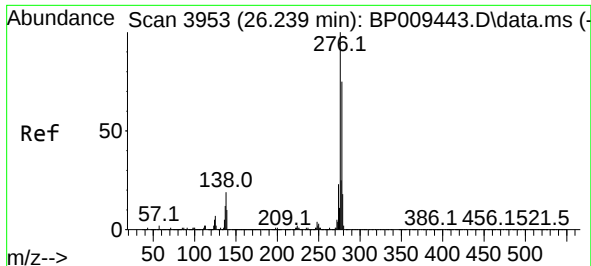
Tgt Ion:149 Resp: 183762
 Ion Ratio Lower Upper
 149 100
 167 29.3 22.6 33.8
 279 7.0 3.8 5.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.668 min Scan# 3516
 Delta R.T. 0.018 min
 Lab File: BP009637.D
 Acq: 31 Mar 2022 13:53

Tgt Ion:264 Resp: 1224123
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.4 29.0
 265 22.8 17.2 25.8

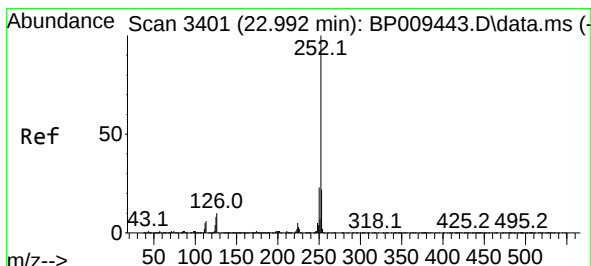
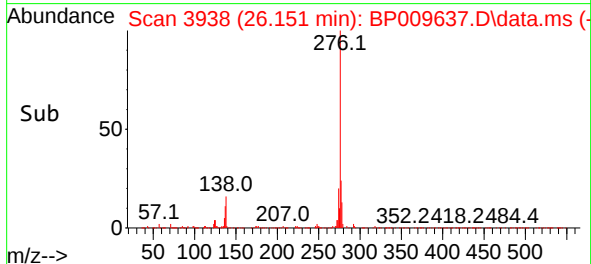
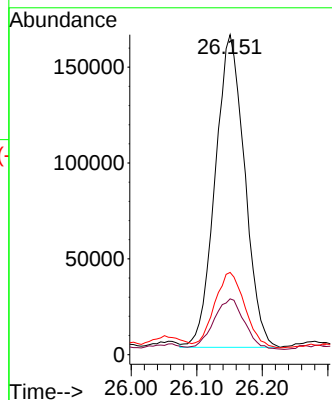
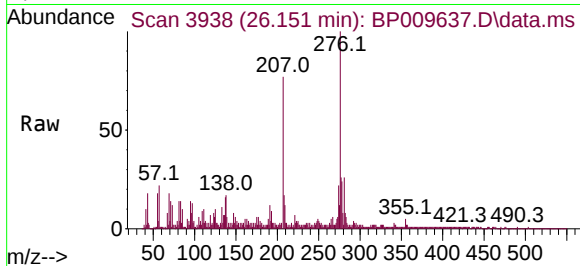




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.470 ng
 RT: 26.151 min Scan# 3393
 Delta R.T. 0.012 min
 Lab File: BP009637.D
 Acq: 31 Mar 2022 13:53

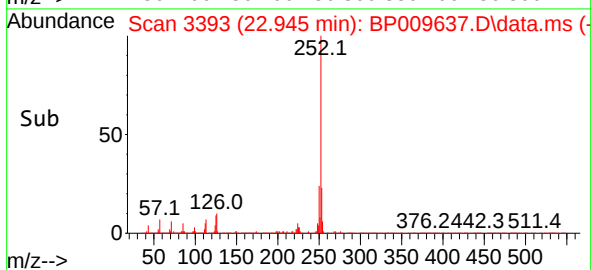
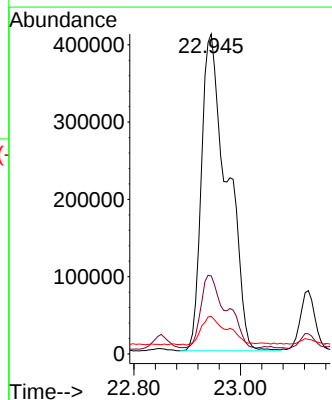
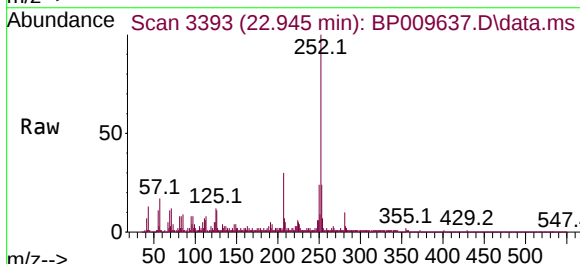
Instrument :
 BNA_P
 ClientSampleId :
 22L076-ERE

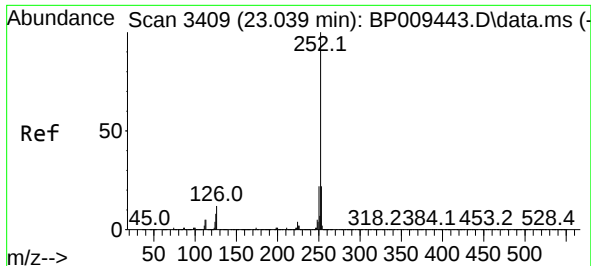
Tgt Ion:276 Resp: 508017
 Ion Ratio Lower Upper
 276 100
 138 17.0 20.5 30.7#
 277 24.9 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 18.834 ng
 RT: 22.945 min Scan# 3393
 Delta R.T. 0.018 min
 Lab File: BP009637.D
 Acq: 31 Mar 2022 13:53

Tgt Ion:252 Resp: 1376354
 Ion Ratio Lower Upper
 252 100
 253 24.4 17.8 26.8
 125 11.7 8.1 12.1

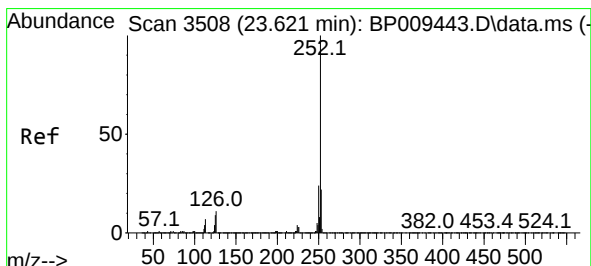
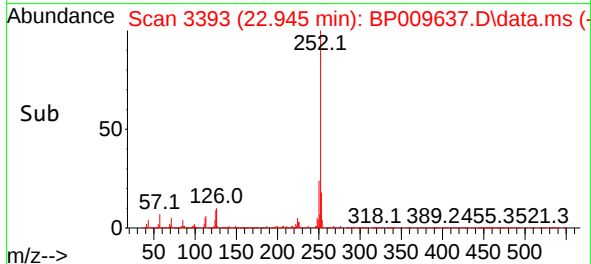
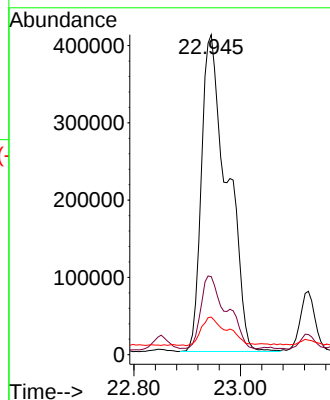
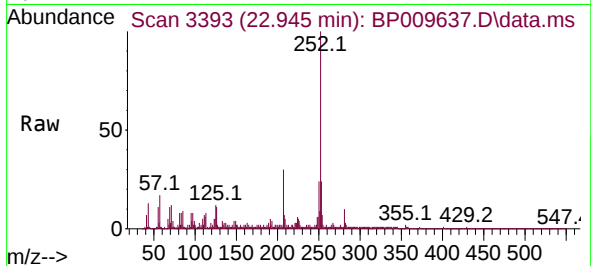




#89
Benzo(k)fluoranthene
Concen: 19.236 ng
RT: 22.945 min Scan# 31
Delta R.T. -0.035 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

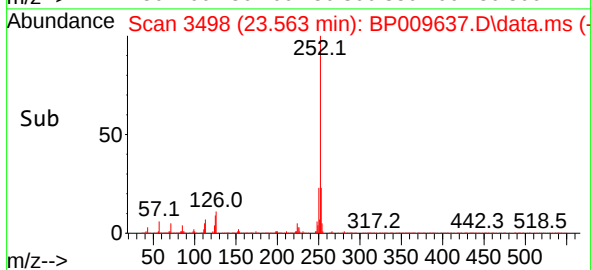
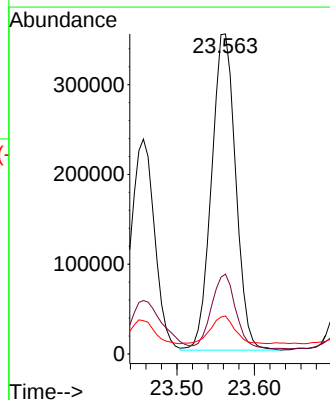
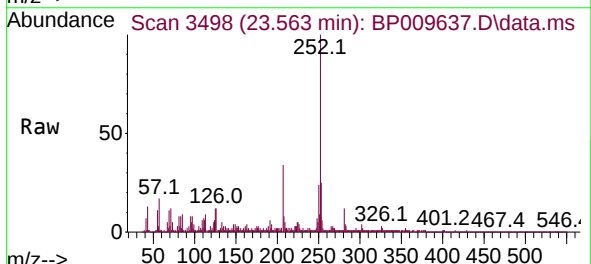
Instrument :
BNA_P
ClientSampleId :
22L076-ERE

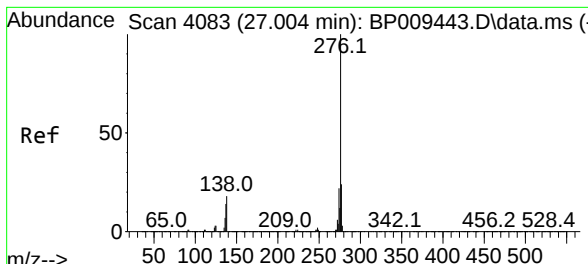
Tgt Ion:252 Resp: 1376354
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 11.7 8.3 12.5



#90
Benzo(a)pyrene
Concen: 12.221 ng
RT: 23.563 min Scan# 3498
Delta R.T. 0.012 min
Lab File: BP009637.D
Acq: 31 Mar 2022 13:53

Tgt Ion:252 Resp: 764081
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.6
125 11.9 9.3 13.9





#92
 Benzo(g,h,i)perylene
 Concen: 7.729 ng
 RT: 26.910 min Scan# 4083
 Delta R.T. 0.012 min
 Lab File: BP009637.D
 Acq: 31 Mar 2022 13:53

Instrument :
 BNA_P
 ClientSampleId :
 22L076-ERE

Tgt Ion:	276	Resp:	588546
Ion Ratio	Lower	Upper	
276	100		
277	25.7	19.2	28.8
138	19.3	18.0	27.0

