

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
 Data File : BP009473.D
 Acq On : 21 Mar 2022 16:38
 Operator : CG/JU
 Sample : N1983-01DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 124035DL

Quant Time: Mar 21 17:16:16 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 17 18:26:53 2022
 Response via : Initial Calibration

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

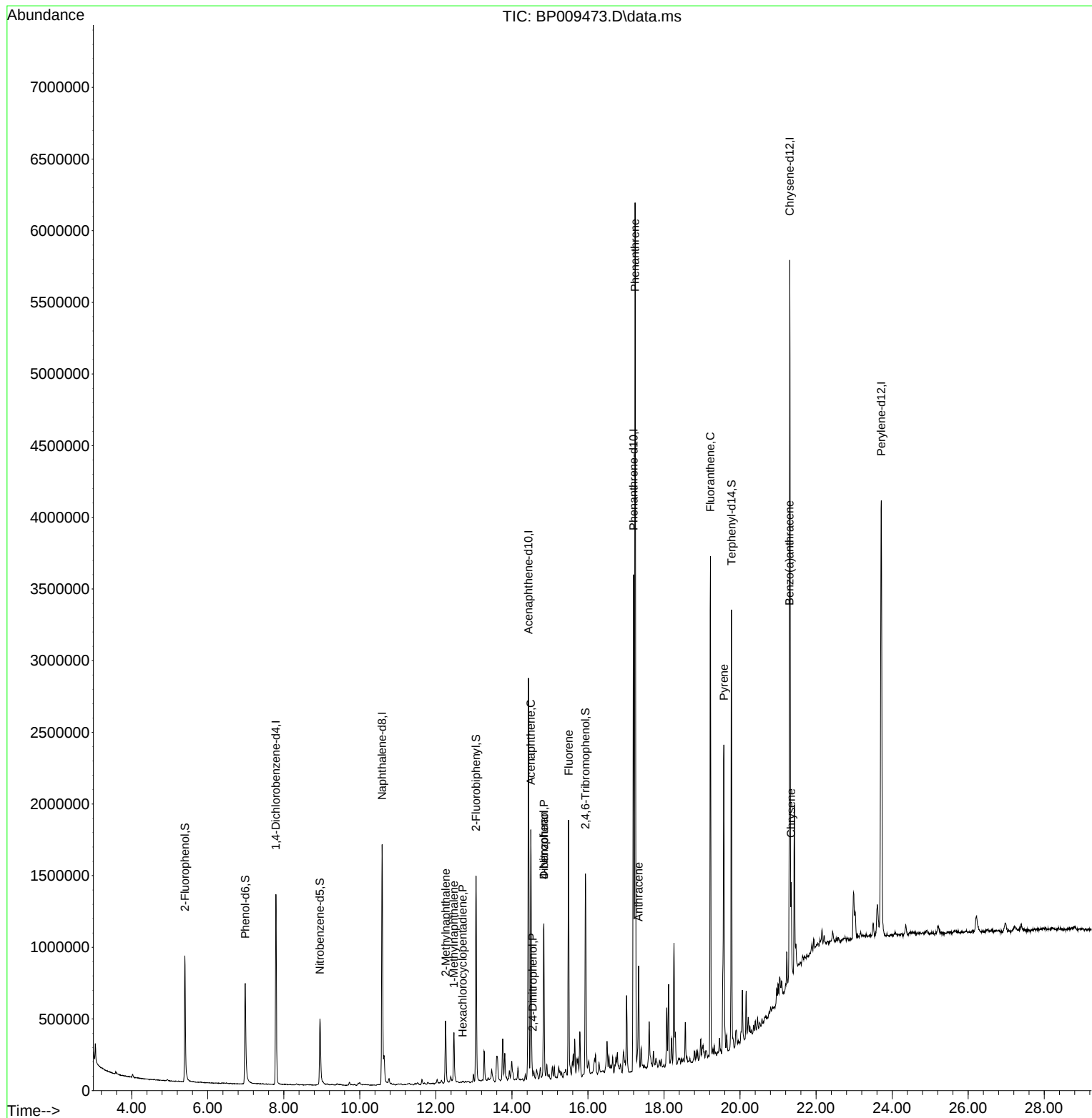
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	414734	20.000	ng	0.00
21) Naphthalene-d8	10.586	136	1633905	20.000	ng	0.00
39) Acenaphthene-d10	14.433	164	1062203	20.000	ng	-0.01
64) Phenanthrene-d10	17.198	188	2272653	20.000	ng	0.00
76) Chrysene-d12	21.309	240	2423506	20.000	ng	0.00
86) Perylene-d12	23.715	264	2581608	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	502385	21.149	ng	0.00
7) Phenol-d6	6.987	99	615963	19.174	ng	0.00
23) Nitrobenzene-d5	8.951	82	379848	12.354	ng	0.00
42) 2,4,6-Tribromophenol	15.933	330	263063	15.008	ng	-0.01
45) 2-Fluorobiphenyl	13.057	172	888015	11.590	ng	0.00
79) Terphenyl-d14	19.774	244	1603533	11.876	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.945	77	554	Below Cal	#	49
37) 2-Methylnaphthalene	12.257	142	266031	4.505	ng	98
38) 1-Methylnaphthalene	12.475	142	193206	3.359	ng	99
41) Hexachlorocyclopentadiene	12.704	237	75	7.293	ng	89
52) Acenaphthene	14.498	154	656680	11.414	ng	100
54) 2,4-Dinitrophenol	14.551	184	65	4.538	ng	# 1
55) Dibenzofuran	14.839	168	793152	8.206	ng	99
56) 4-Nitrophenol	14.839	139	284779	21.449	ng	# 10
58) Fluorene	15.492	166	886665	11.665	ng	98
71) Phenanthrene	17.239	178	3958632	32.540	ng	100
72) Anthracene	17.333	178	501957	4.179	ng	98
75) Fluoranthene	19.221	202	2174105	14.761	ng	99
78) Pyrene	19.574	202	1436410	8.995	ng	100
81) Benzo(a)anthracene	21.298	228	423522	2.660	ng	99
83) Chrysene	21.345	228	381353	2.529	ng	98

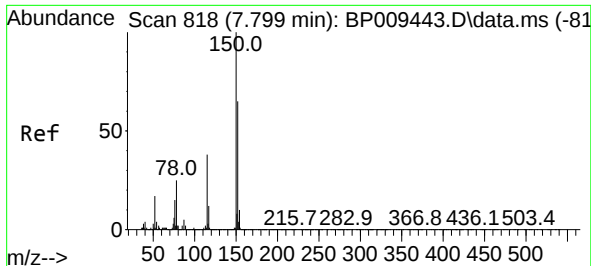
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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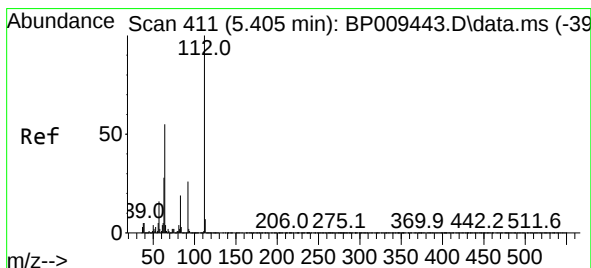
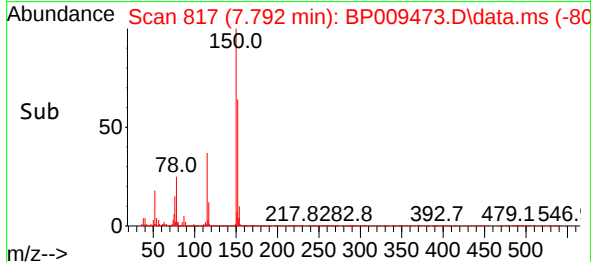
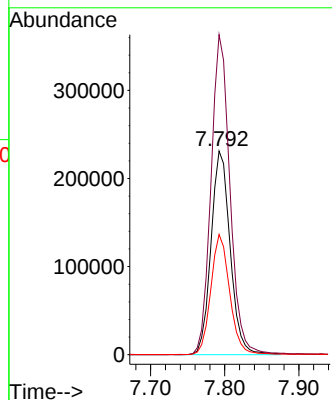
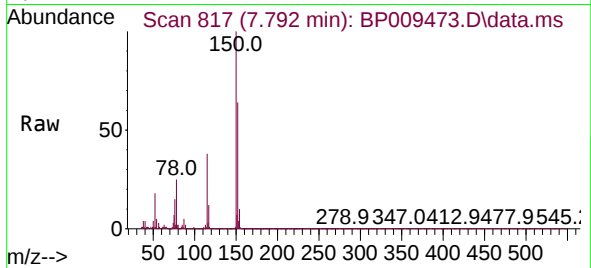




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.792 min Scan# 81
Delta R.T. -0.007 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

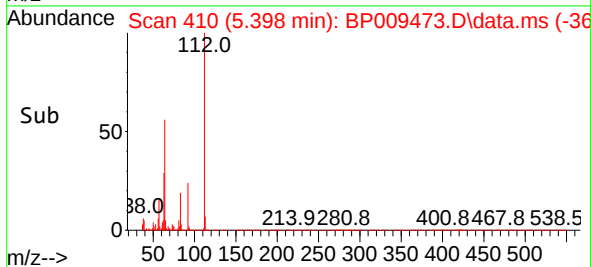
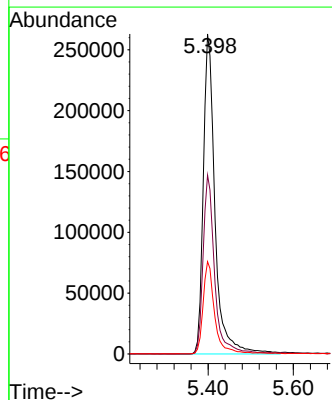
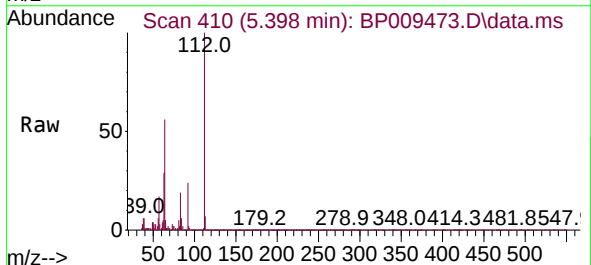
Instrument :
BNA_P
ClientSampleId :
124035DL

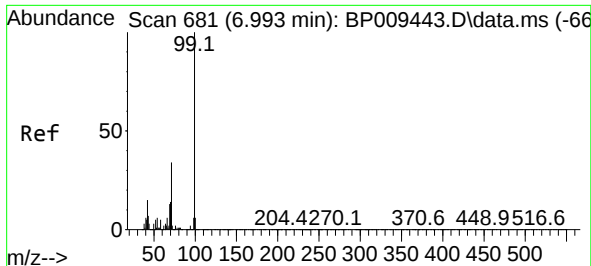
Tgt Ion:152 Resp: 414734
Ion Ratio Lower Upper
152 100
150 157.1 124.5 186.7
115 59.0 48.2 72.4



#5
2-Fluorophenol
Concen: 21.149 ng
RT: 5.398 min Scan# 410
Delta R.T. -0.006 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

Tgt Ion:112 Resp: 502385
Ion Ratio Lower Upper
112 100
64 55.9 45.0 67.4
63 28.9 23.0 34.6

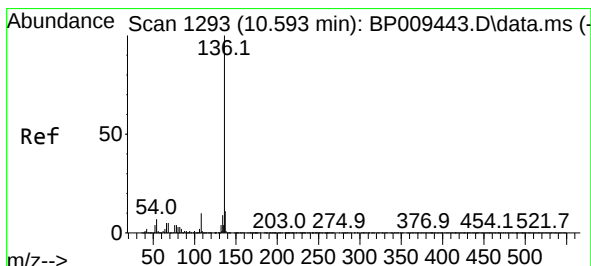
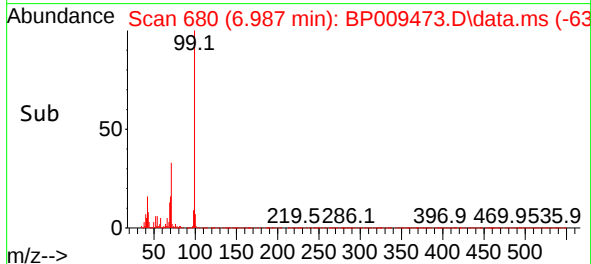
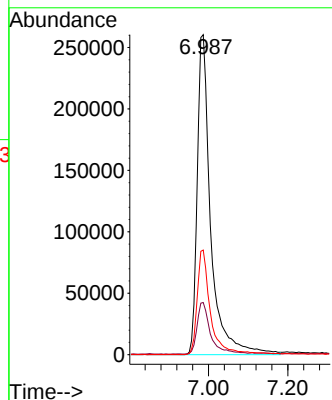
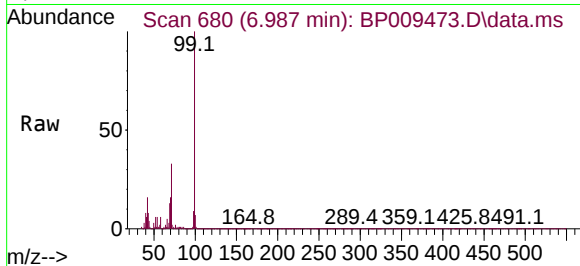




#7
Phenol-d6
Concen: 19.174 ng
RT: 6.987 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

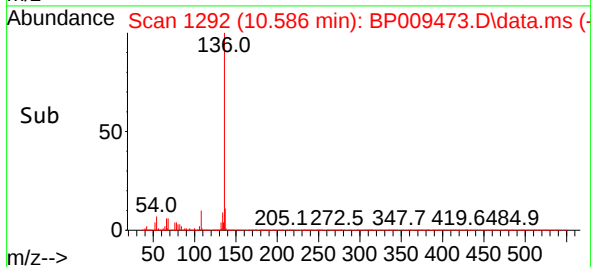
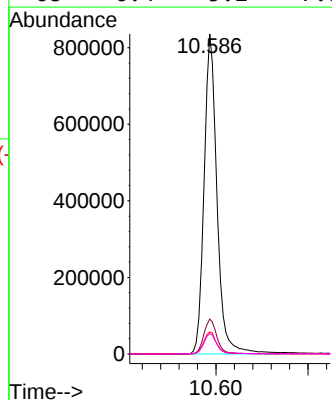
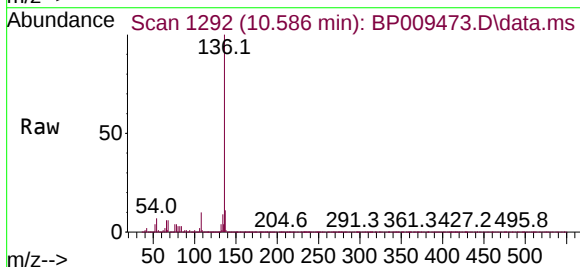
Instrument :
BNA_P
ClientSampleId :
124035DL

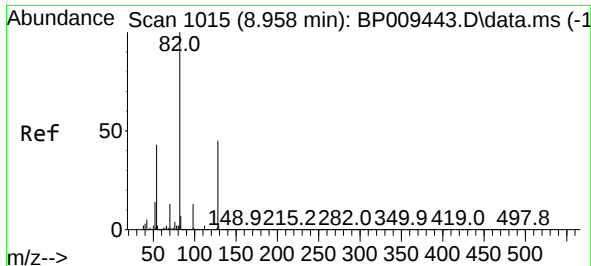
Tgt Ion: 99 Resp: 615963
Ion Ratio Lower Upper
99 100
42 16.3 12.8 19.2
71 32.7 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.586 min Scan# 1292
Delta R.T. -0.007 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

Tgt Ion: 136 Resp: 1633905
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.9 5.8 8.8
68 6.4 5.2 7.8

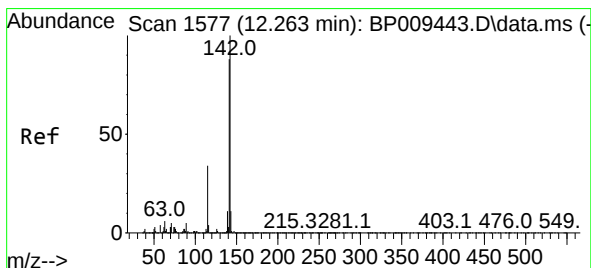
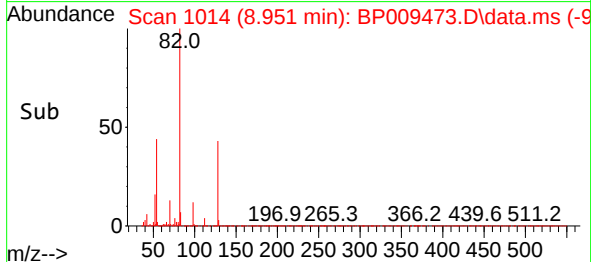
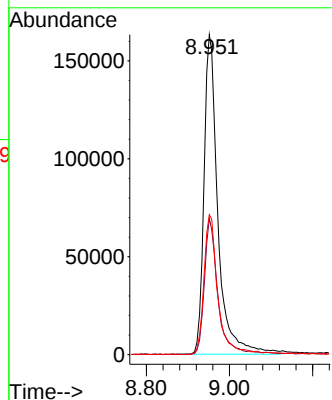
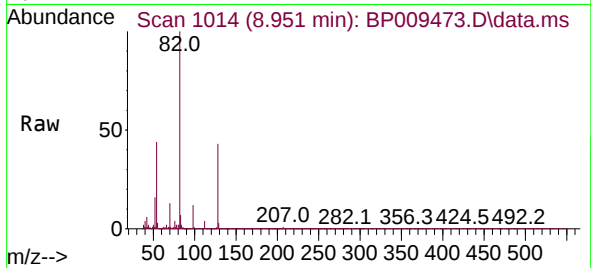




#23
Nitrobenzene-d5
Concen: 12.354 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

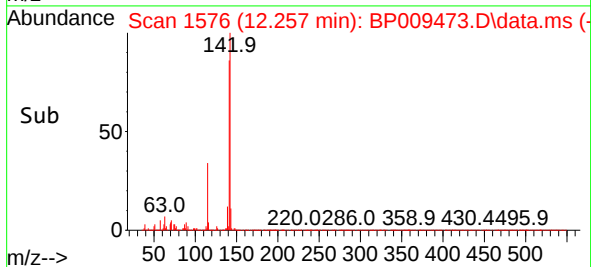
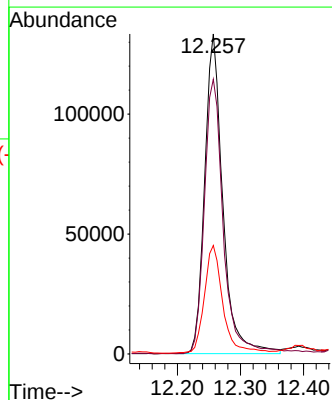
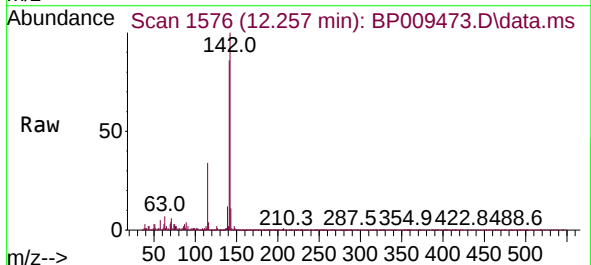
Instrument :
BNA_P
ClientSampleId :
124035DL

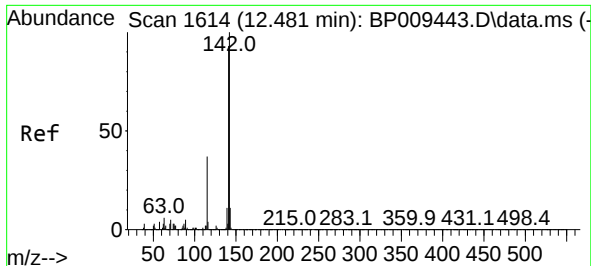
Tgt Ion: 82 Resp: 379848
Ion Ratio Lower Upper
82 100
128 42.6 34.2 51.4
54 43.8 34.7 52.1



#37
2-Methylnaphthalene
Concen: 4.505 ng
RT: 12.257 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

Tgt Ion: 142 Resp: 266031
Ion Ratio Lower Upper
142 100
141 85.8 70.2 105.4
115 33.9 27.4 41.2

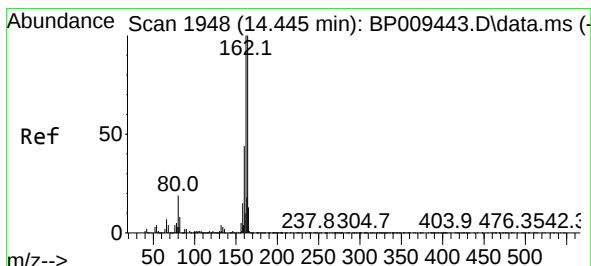
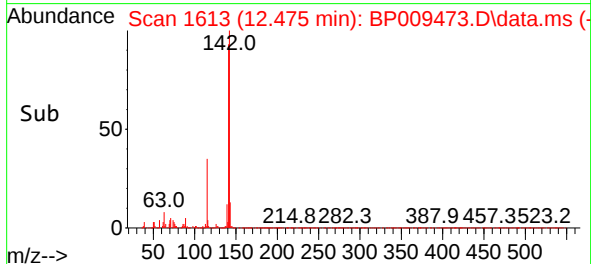
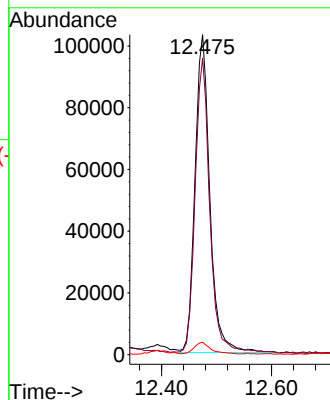
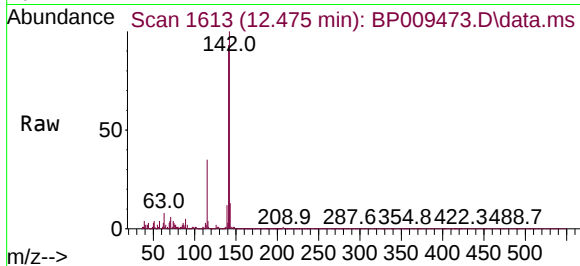




#38
1-Methylnaphthalene
Concen: 3.359 ng
RT: 12.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

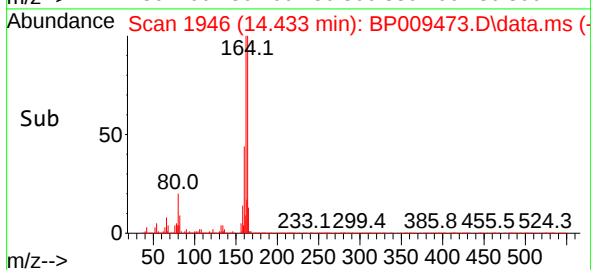
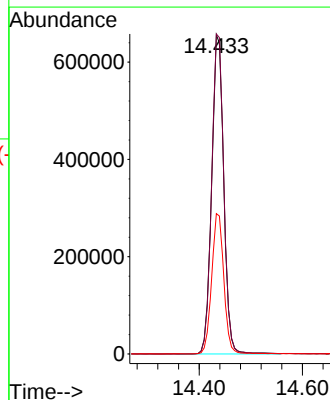
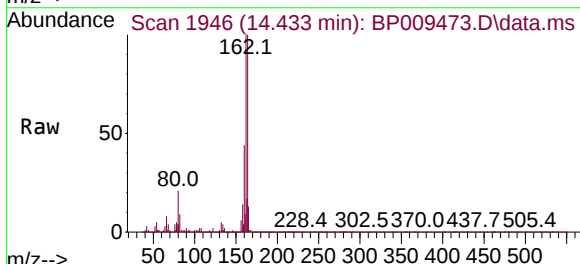
Instrument :
BNA_P
ClientSampleId :
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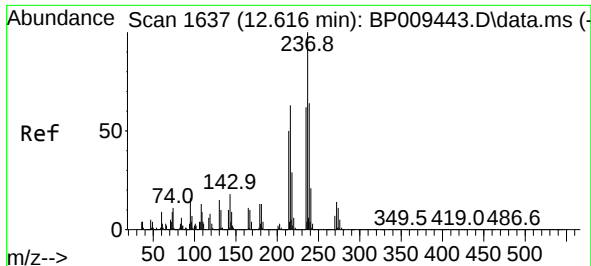
Tgt Ion:142 Resp: 193206
Ion Ratio Lower Upper
142 100
141 92.7 73.5 110.3
116 3.9 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.433 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

Tgt Ion:164 Resp: 1062203
Ion Ratio Lower Upper
164 100
162 100.3 79.1 118.7
160 44.0 34.9 52.3

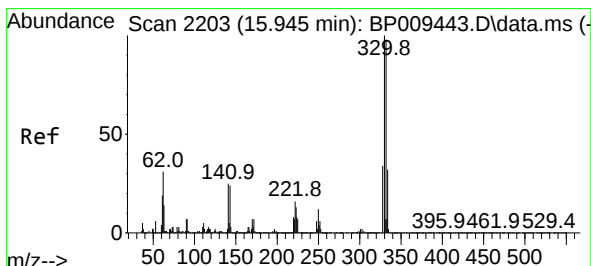
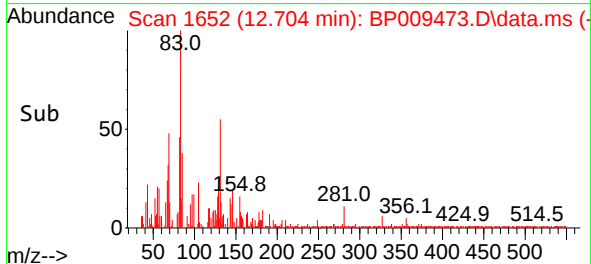
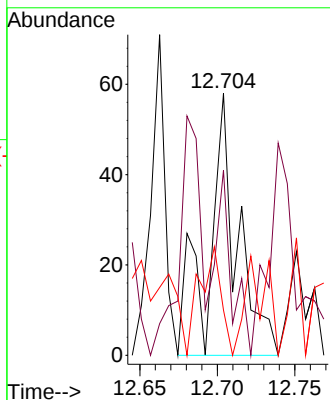
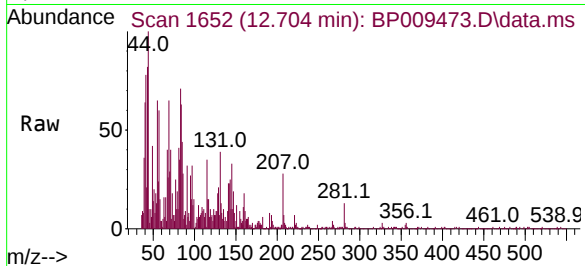




#41
Hexachlorocyclopentadiene
Concen: 7.293 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.088 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

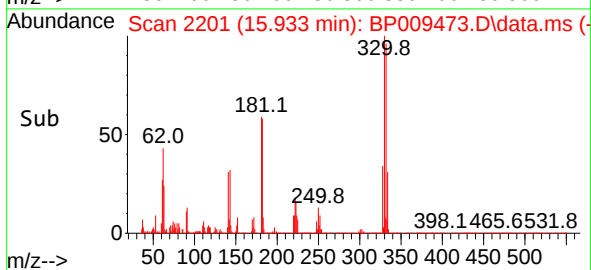
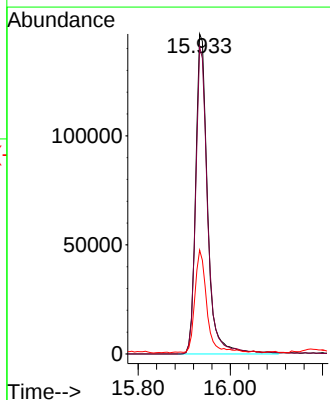
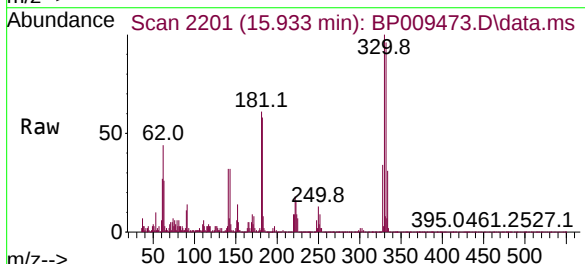
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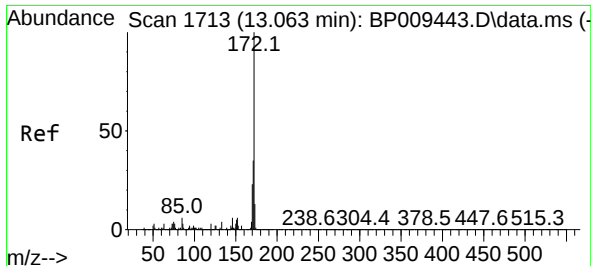
Tgt Ion:	237	Resp:	75
Ion	Ratio	Lower	Upper
237	100		
235	70.7	42.6	82.6
272	17.2	0.0	32.8



#42
2,4,6-Tribromophenol
Concen: 15.008 ng
RT: 15.933 min Scan# 2201
Delta R.T. -0.012 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

Tgt Ion:	330	Resp:	263063
Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	31.7	27.6	41.4

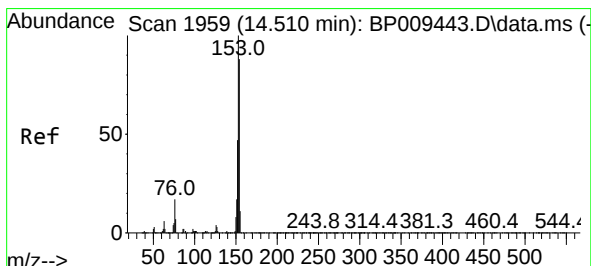
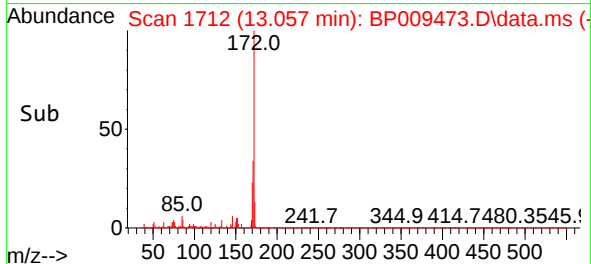
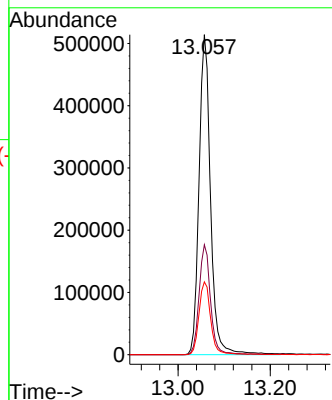
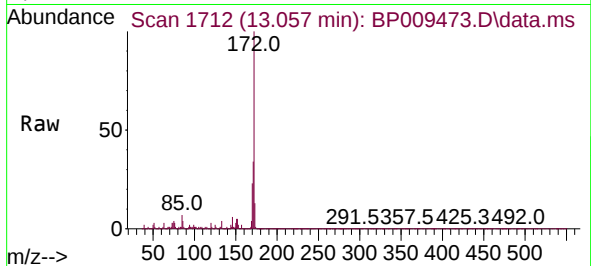




#45
2-Fluorobiphenyl
Concen: 11.590 ng
RT: 13.057 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

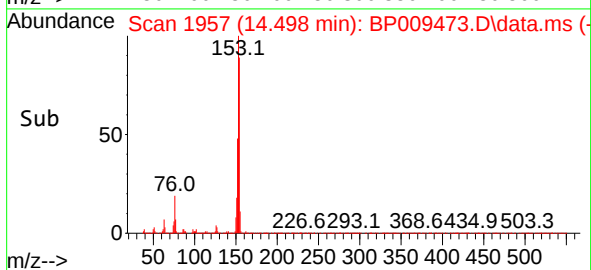
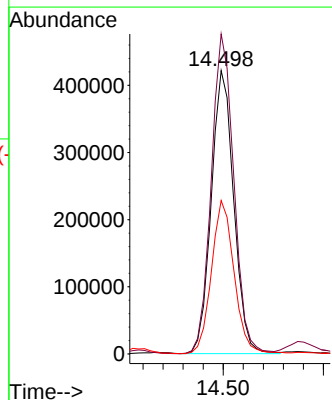
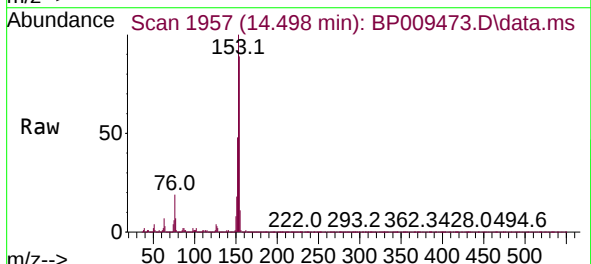
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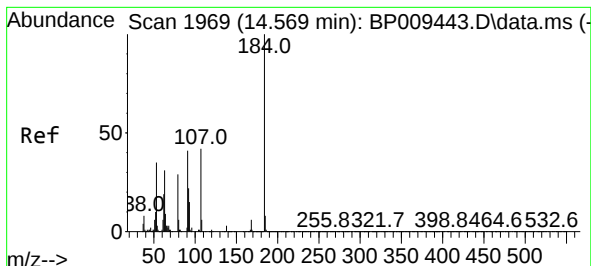
Tgt Ion:172 Resp: 888015
Ion Ratio Lower Upper
172 100
171 34.3 28.0 42.0
170 22.7 18.6 27.8



#52
Acenaphthene
Concen: 11.414 ng
RT: 14.498 min Scan# 1957
Delta R.T. -0.012 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

Tgt Ion:154 Resp: 656680
Ion Ratio Lower Upper
154 100
153 112.9 90.2 135.4
152 54.1 42.7 64.1

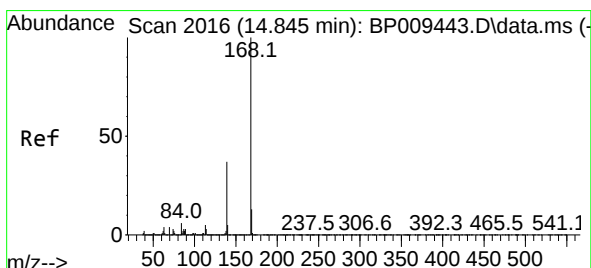
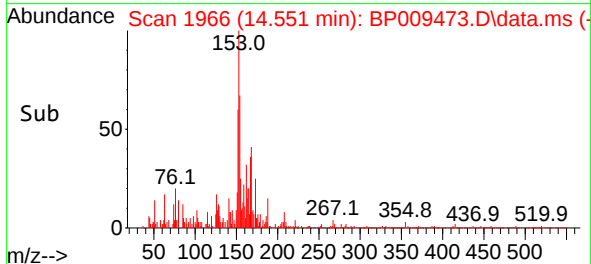
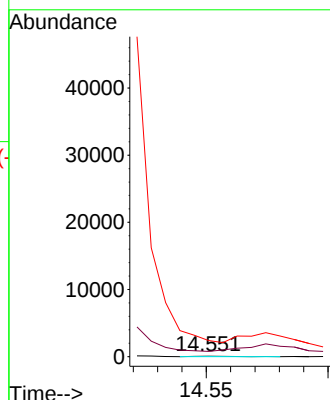
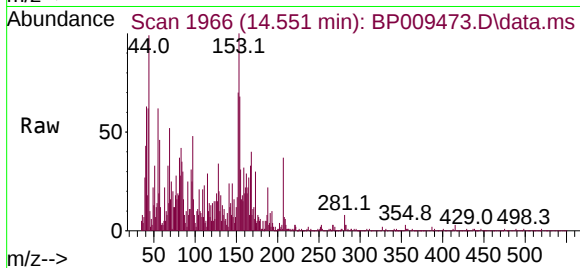




#54
2,4-Dinitrophenol
Concen: 4.538 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.018 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

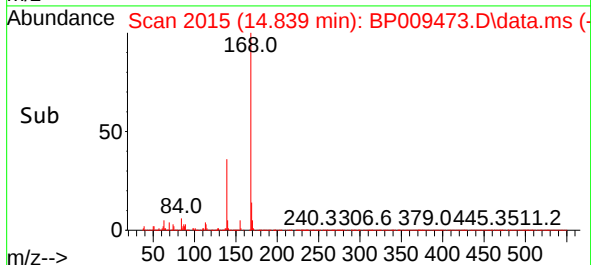
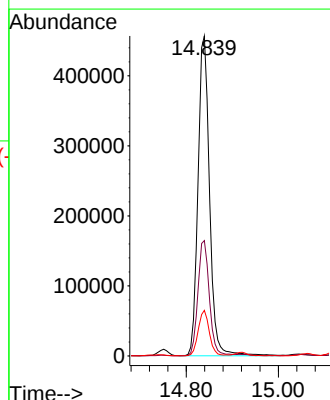
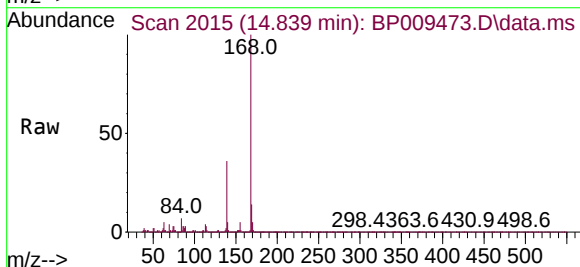
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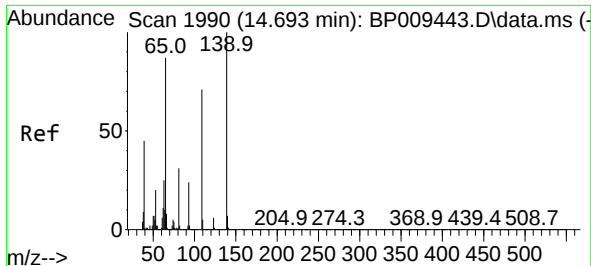
Tgt Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 987.3 46.3 69.5#
154 3051.9 45.8 68.6#



#55
Dibenzofuran
Concen: 8.206 ng
RT: 14.839 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

Tgt Ion:168 Resp: 793152
Ion Ratio Lower Upper
168 100
139 36.1 29.1 43.7
169 14.3 10.6 16.0

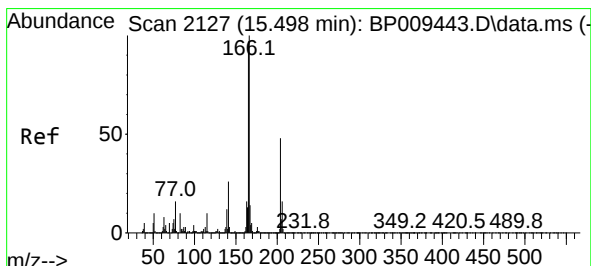
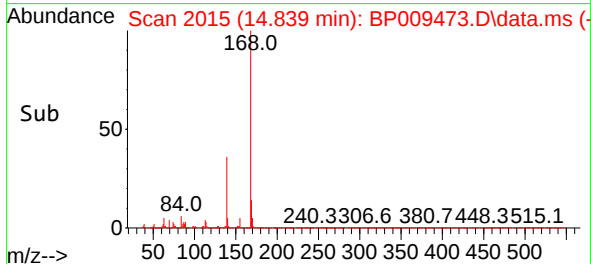
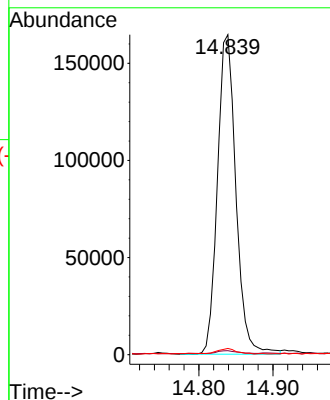
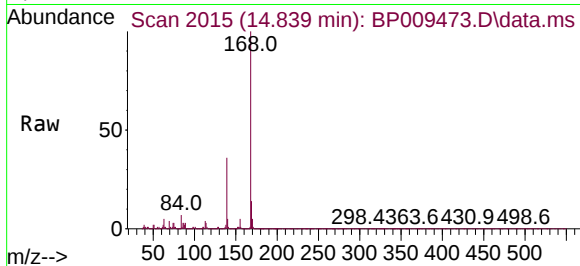




#56
4-Nitrophenol
Concen: 21.449 ng
RT: 14.839 min Scan# 20
Delta R.T. 0.147 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

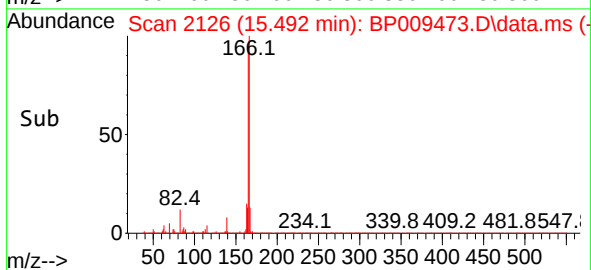
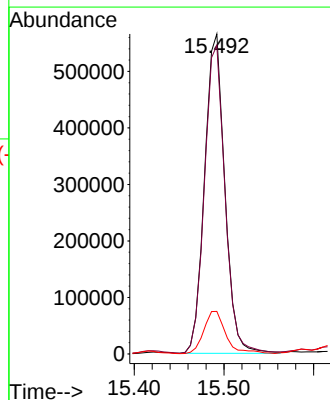
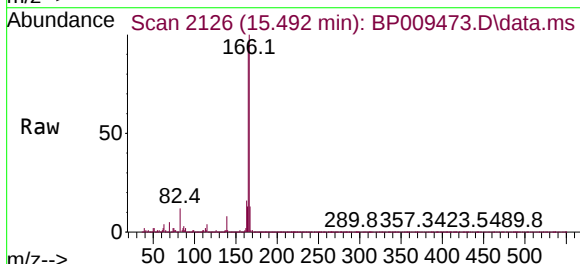
Instrument :
BNA_P
ClientSampleId :
124035DL

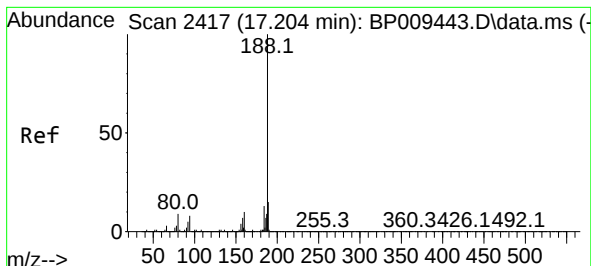
Tgt Ion:139 Resp: 284779
Ion Ratio Lower Upper
139 100
109 1.3 51.2 91.2#
65 1.9 73.2 113.2#



#58
Fluorene
Concen: 11.665 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

Tgt Ion:166 Resp: 886665
Ion Ratio Lower Upper
166 100
165 96.4 79.2 118.8
167 13.3 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP009473.D

Acq: 21 Mar 2022 16:38

Instrument :

BNA_P

ClientSampleId :

124035DL

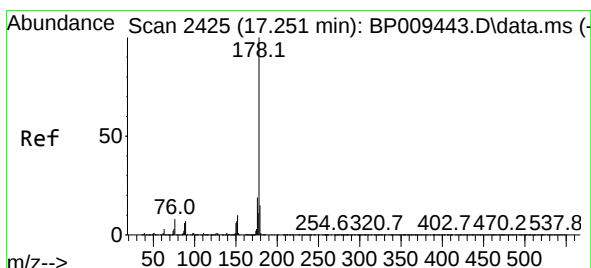
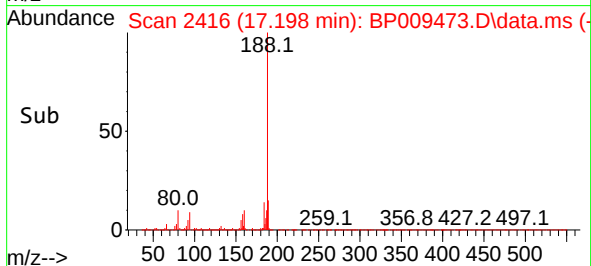
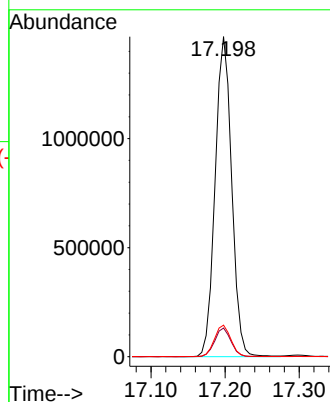
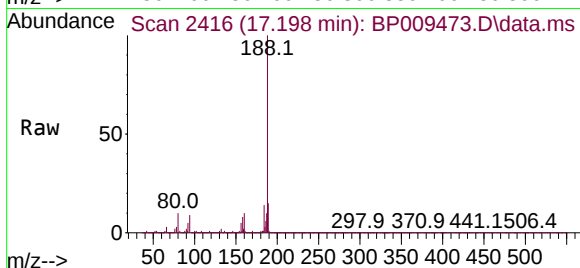
Tgt Ion:188 Resp: 2272653

Ion Ratio Lower Upper

188 100

94 8.9 7.9 11.9

80 9.9 8.8 13.2



#71

Phenanthrene

Concen: 32.540 ng

RT: 17.239 min Scan# 2423

Delta R.T. -0.012 min

Lab File: BP009473.D

Acq: 21 Mar 2022 16:38

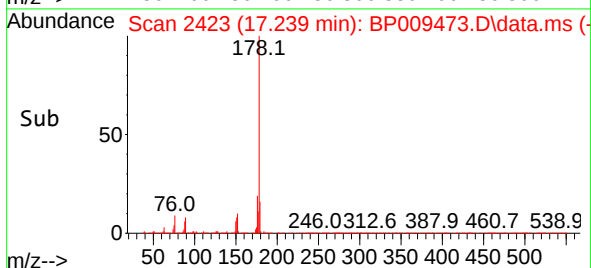
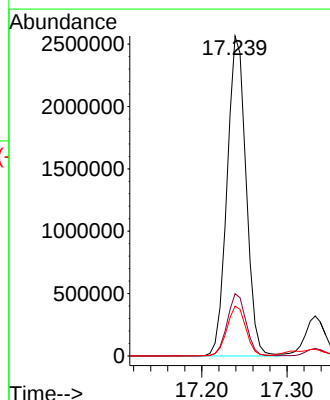
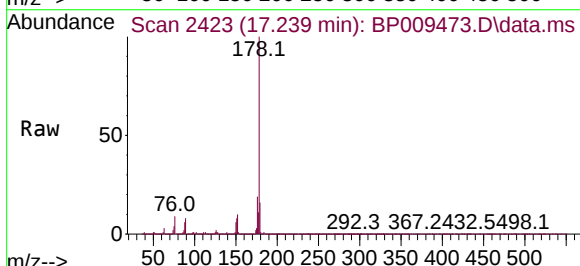
Tgt Ion:178 Resp: 3958632

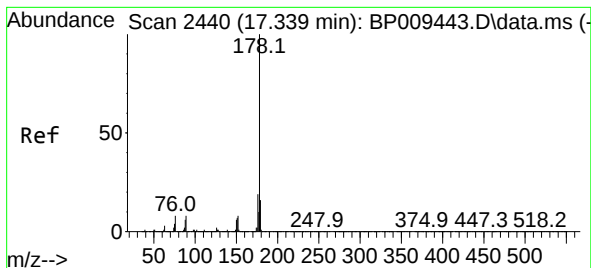
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 15.6 12.3 18.5





#72

Anthracene

Concen: 4.179 ng

RT: 17.333 min Scan# 24

Delta R.T. -0.006 min

Lab File: BP009473.D

Acq: 21 Mar 2022 16:38

Instrument :

BNA_P

ClientSampleId :

124035DL

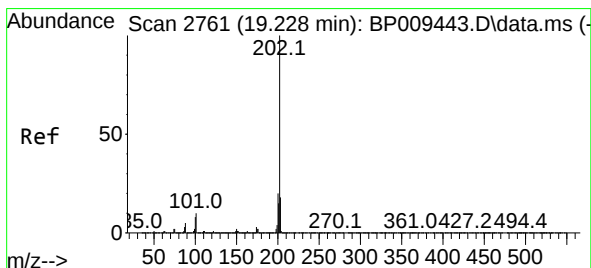
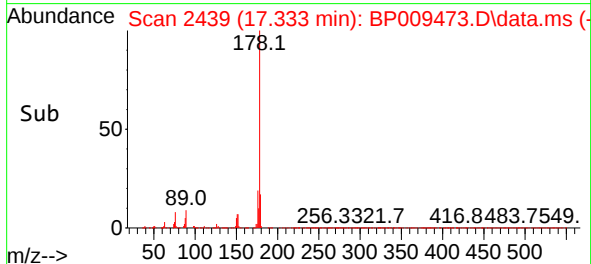
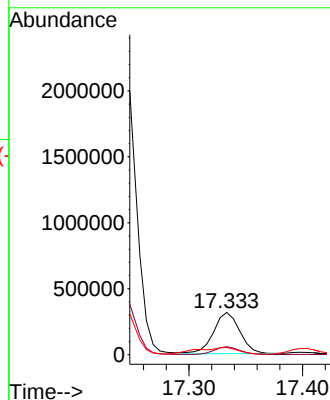
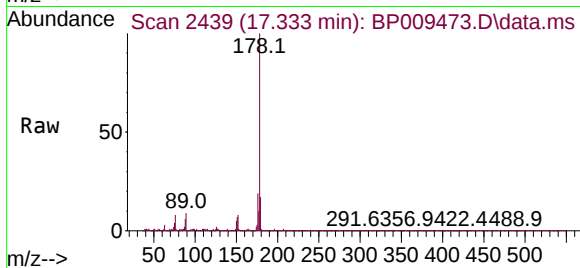
Tgt Ion:178 Resp: 501957

Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

179 16.9 12.2 18.4



#75

Fluoranthene

Concen: 14.761 ng

RT: 19.221 min Scan# 2760

Delta R.T. -0.006 min

Lab File: BP009473.D

Acq: 21 Mar 2022 16:38

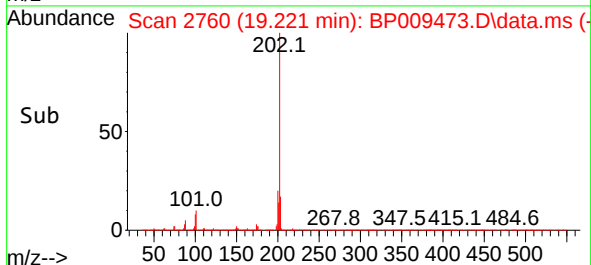
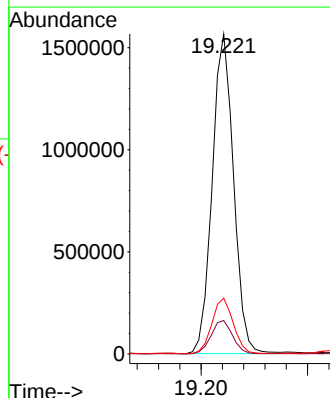
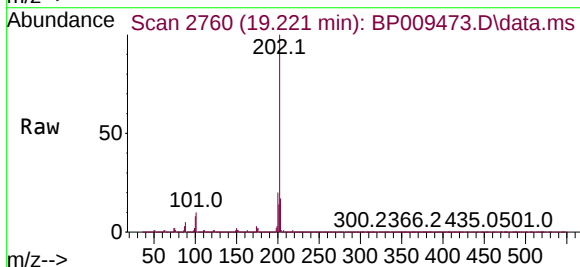
Tgt Ion:202 Resp: 2174105

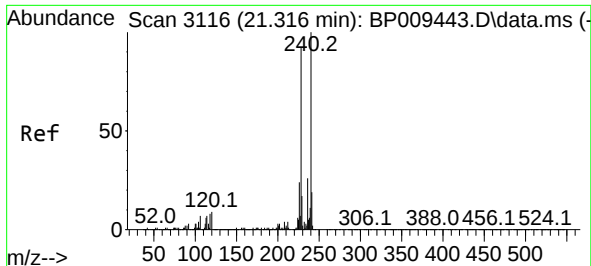
Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.5

203 17.5 0.0 37.8

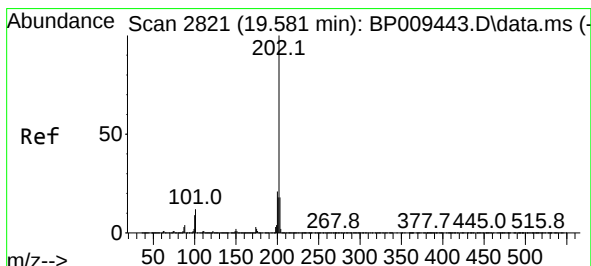
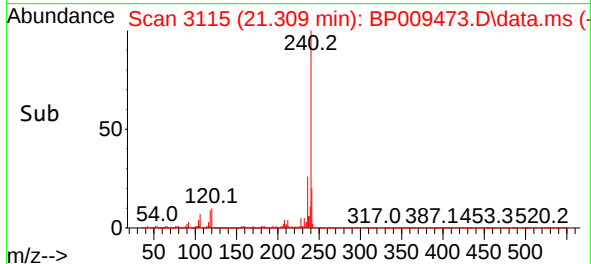
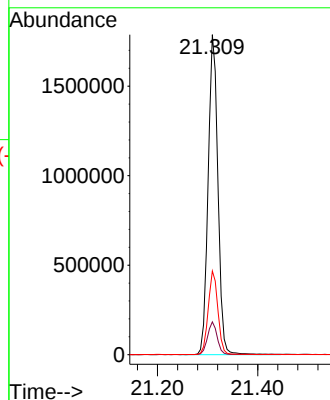
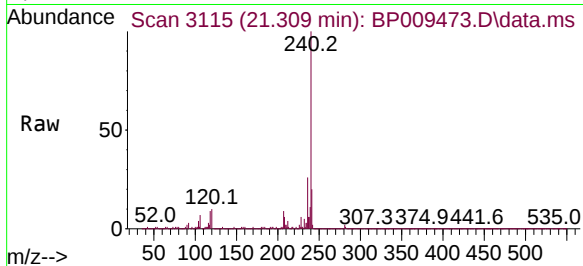




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.309 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

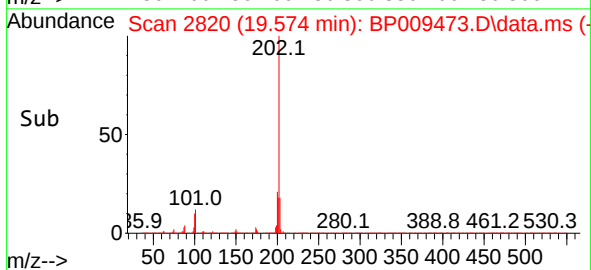
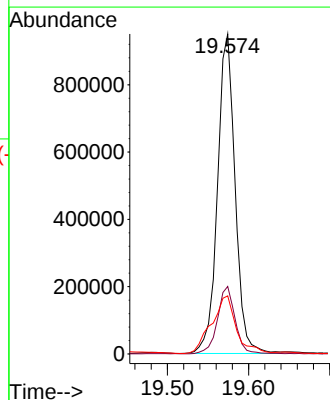
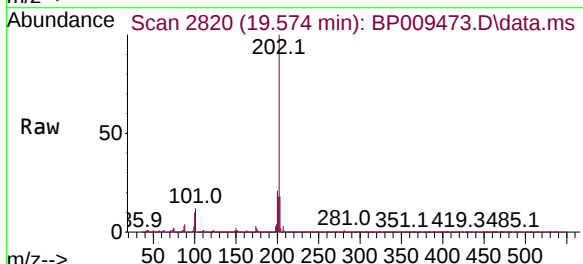
Instrument :
BNA_P
ClientSampleId :
124035DL

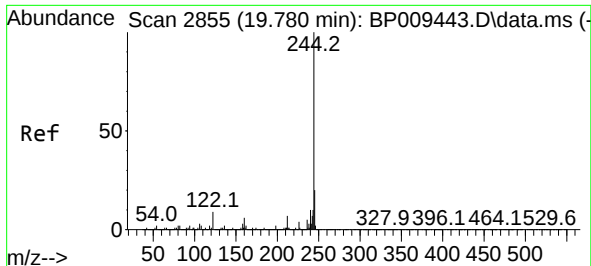
Tgt Ion:240 Resp: 2423506
Ion Ratio Lower Upper
240 100
120 10.3 9.0 13.4
236 26.1 20.6 30.8



#78
Pyrene
Concen: 8.995 ng
RT: 19.574 min Scan# 2820
Delta R.T. -0.006 min
Lab File: BP009473.D
Acq: 21 Mar 2022 16:38

Tgt Ion:202 Resp: 1436410
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 18.2 14.2 21.4

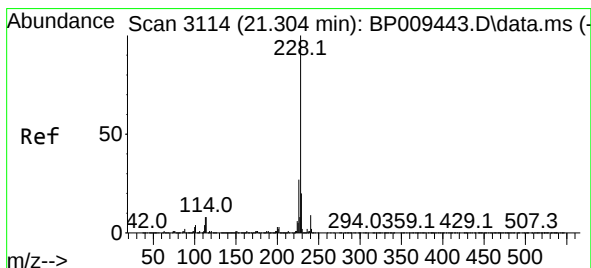
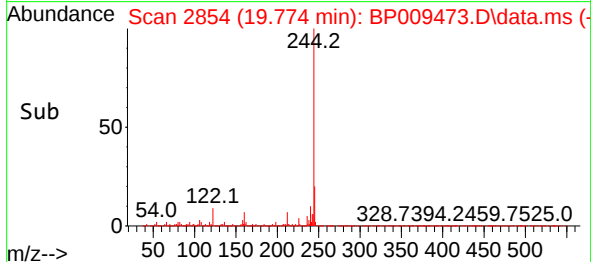
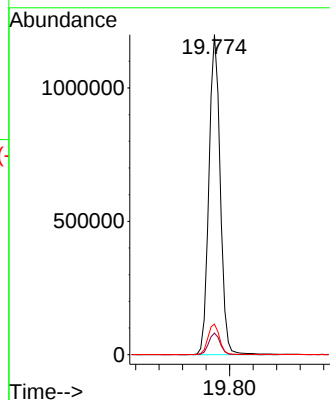
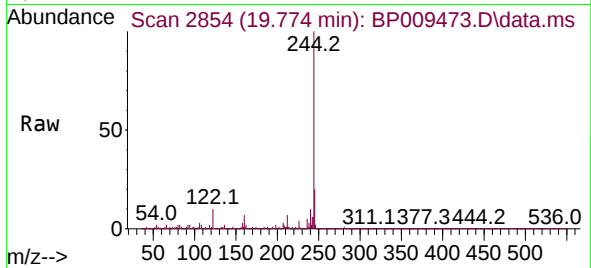




#79
 Terphenyl-d14
 Concen: 11.876 ng
 RT: 19.774 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009473.D
 Acq: 21 Mar 2022 16:38

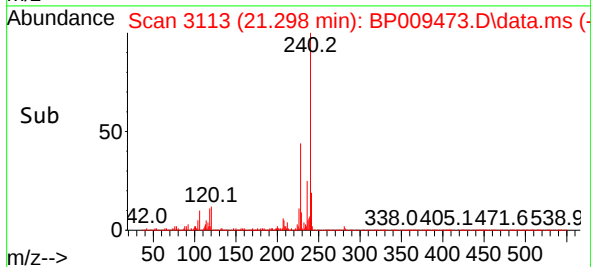
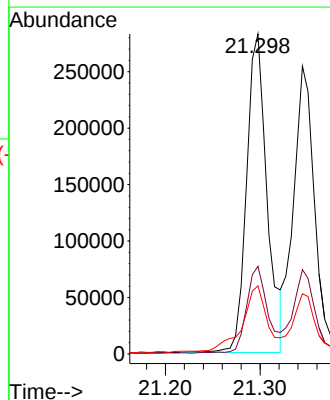
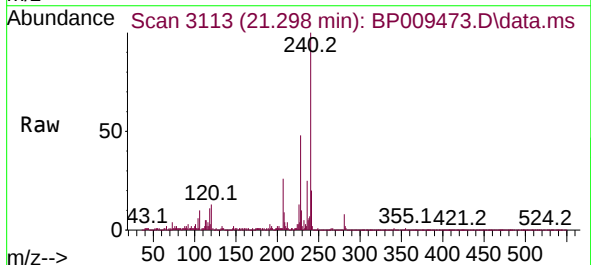
Instrument :
 BNA_P
 ClientSampleId :
 124035DL

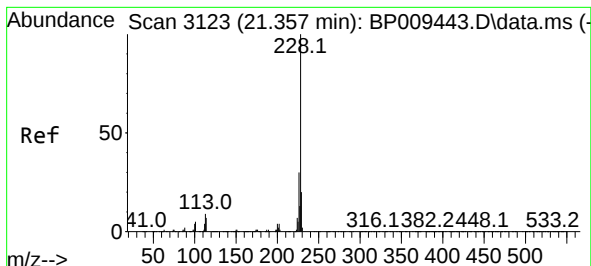
Tgt Ion:244 Resp: 1603533
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 9.5 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 2.660 ng
 RT: 21.298 min Scan# 3113
 Delta R.T. -0.006 min
 Lab File: BP009473.D
 Acq: 21 Mar 2022 16:38

Tgt Ion:228 Resp: 423522
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.0 33.0
 229 21.3 16.1 24.1





#83

Chrysene

Concen: 2.529 ng

RT: 21.345 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP009473.D

Acq: 21 Mar 2022 16:38

Instrument :

BNA_P

ClientSampleId :

124035DL

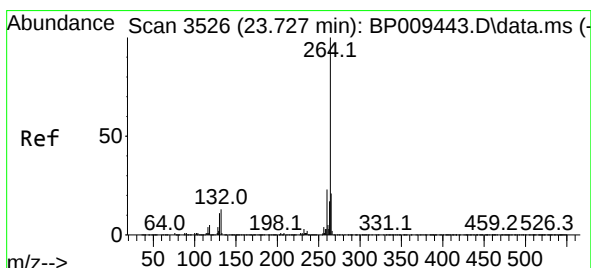
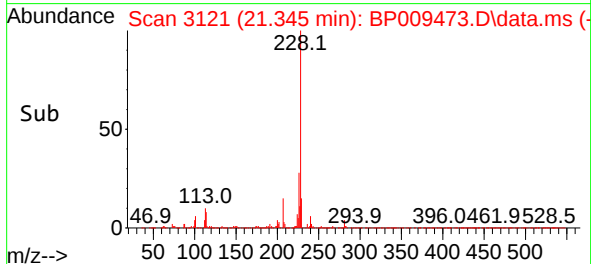
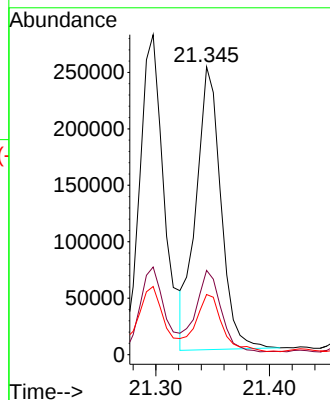
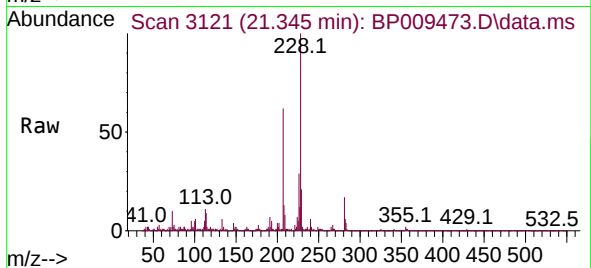
Tgt Ion:228 Resp: 381353

Ion Ratio Lower Upper

228 100

226 29.3 24.2 36.2

229 20.9 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.715 min Scan# 3524

Delta R.T. -0.012 min

Lab File: BP009473.D

Acq: 21 Mar 2022 16:38

Tgt Ion:264 Resp: 2581608

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.0

265 21.7 17.2 25.8

