

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121621\
 Data File : BP008465.D
 Acq On : 16 Dec 2021 22:11
 Operator : CG/JU
 Sample : M5029-01DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PSC-124035DL

Quant Time: Dec 17 03:24:44 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 14 17:59:47 2021
 Response via : Initial Calibration

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

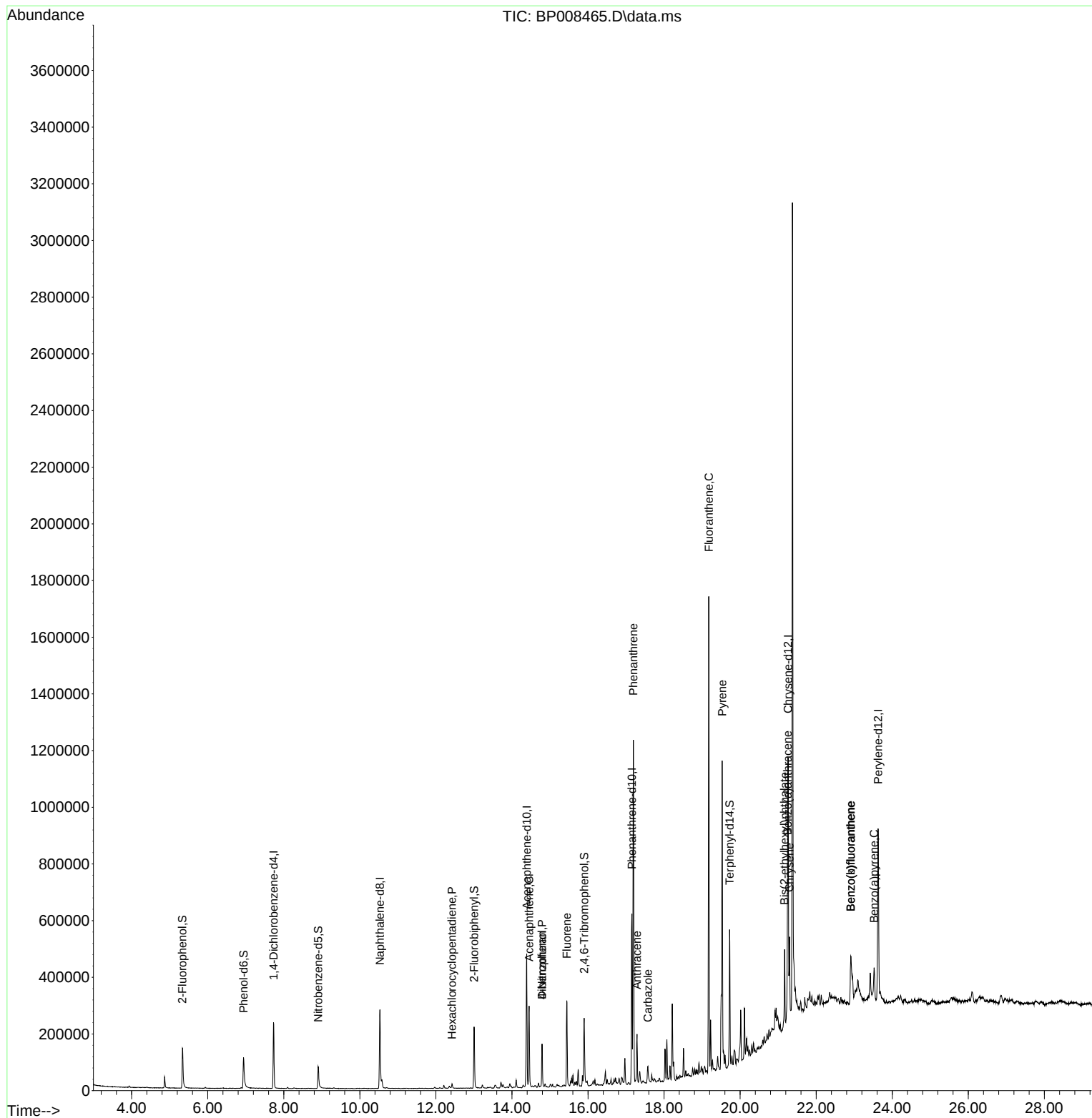
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	62924	20.000	ng	-0.01
21) Naphthalene-d8	10.528	136	234598	20.000	ng	-0.01
39) Acenaphthene-d10	14.387	164	158586	20.000	ng	-0.01
64) Phenanthrene-d10	17.151	188	347228	20.000	ng	-0.01
76) Chrysene-d12	21.263	240	405667	20.000	ng	0.00
86) Perylene-d12	23.627	264	453405	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	68213	17.120	ng	-0.01
7) Phenol-d6	6.940	99	87218	16.298	ng	0.00
23) Nitrobenzene-d5	8.905	82	60775	10.975	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	41184	17.671	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	117983	9.457	ng	-0.01
79) Terphenyl-d14	19.722	244	221151	9.488	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.228	88	205	Below Cal	#	30
9) Benzaldehyde	6.899	77	167	Below Cal	#	48
41) Hexachlorocyclopentadiene	12.422	237	8	8.656	ng	78
52) Acenaphthene	14.451	154	99367	11.629	ng	96
55) Dibenzofuran	14.792	168	94733	6.517	ng	98
56) 4-Nitrophenol	14.792	139	36895	26.915	ng	# 2
58) Fluorene	15.445	166	137700	12.219	ng	99
71) Phenanthrene	17.192	178	727119	38.658	ng	99
72) Anthracene	17.286	178	105963	5.710	ng	98
73) Carbazole	17.575	167	37526	2.210	ng	99
75) Fluoranthene	19.175	202	958888	45.155	ng	98
78) Pyrene	19.528	202	645036	22.224	ng	100
81) Benzo(a)anthracene	21.245	228	196564	7.230	ng	99
83) Chrysene	21.298	228	164998	6.354	ng	98
84) Bis(2-ethylhexyl)phtha...	21.169	149	84621	5.687	ng	98
88) Benzo(b)fluoranthene	22.910	252	152551	5.593	ng	100
89) Benzo(k)fluoranthene	22.910	252	152551	5.546	ng	99
90) Benzo(a)pyrene	23.521	252	77453	3.272	ng	97

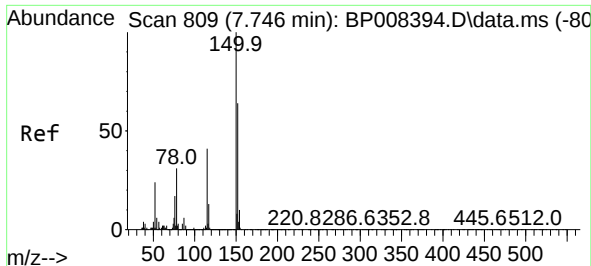
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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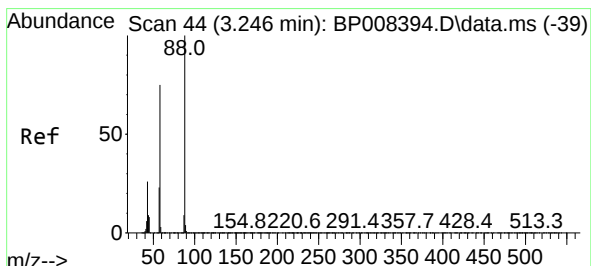
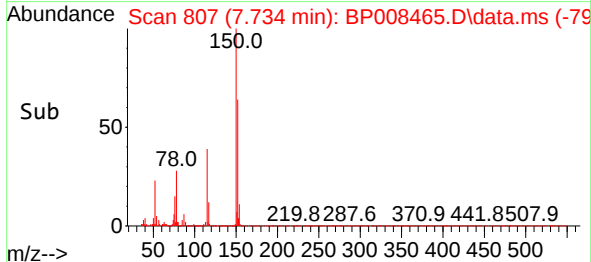
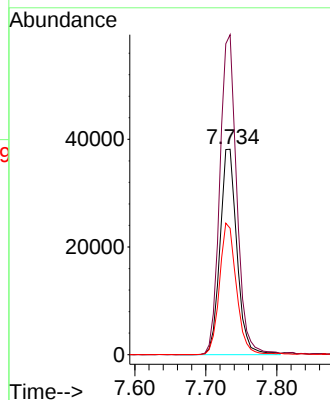
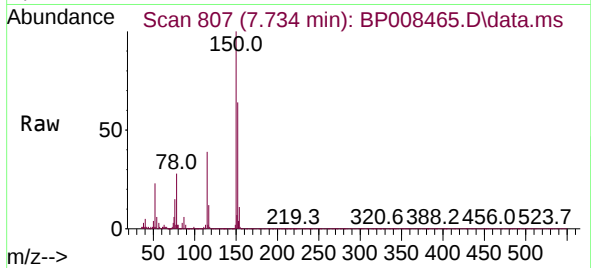




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

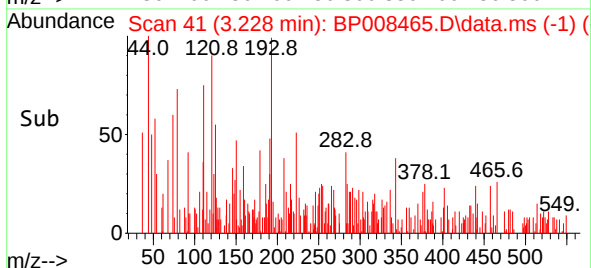
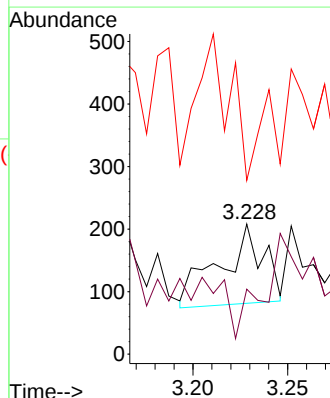
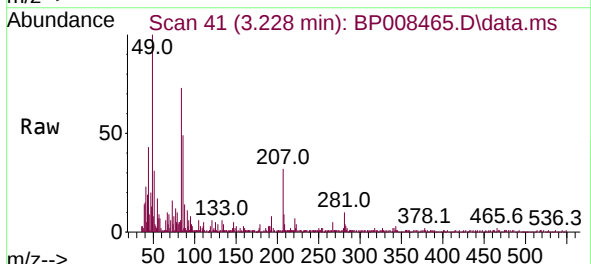
Instrument :
BNA_P
ClientSampleId :
PSC-124035DL

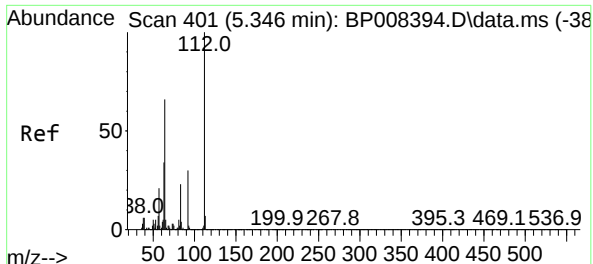
Tgt Ion:152 Resp: 62924
Ion Ratio Lower Upper
152 100
150 155.7 125.7 188.5
115 61.5 50.7 76.1



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.228 min Scan# 41
Delta R.T. -0.018 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

Tgt Ion: 88 Resp: 205
Ion Ratio Lower Upper
88 100
58 0.0 63.5 95.3#
43 20.5 23.4 35.2#

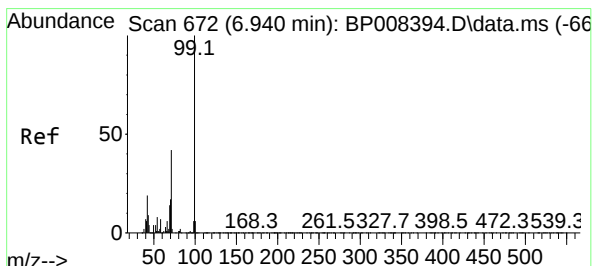
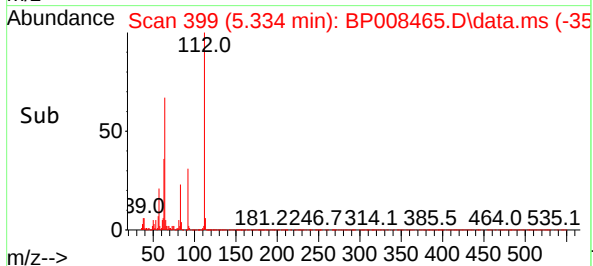
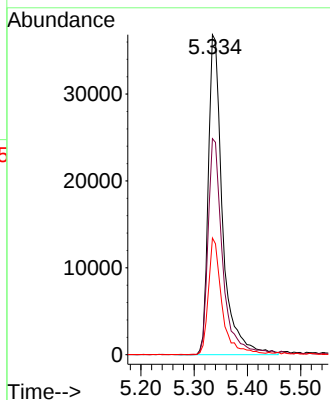
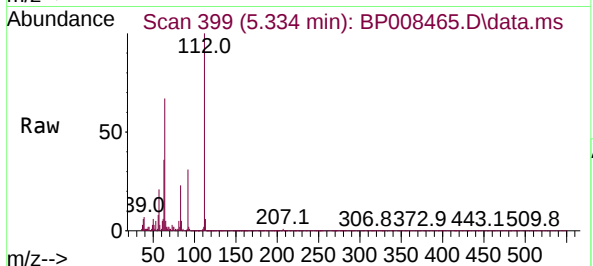




#5
2-Fluorophenol
Concen: 17.120 ng
RT: 5.334 min Scan# 399
Delta R.T. -0.012 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

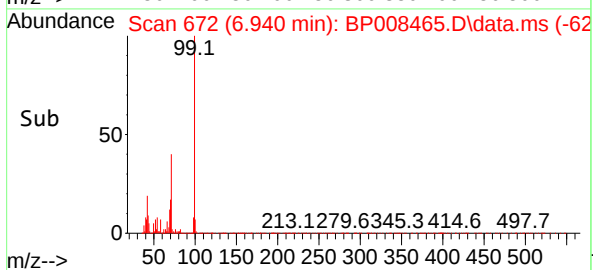
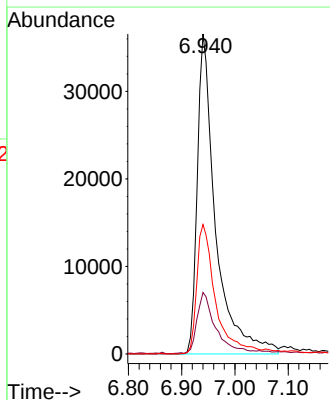
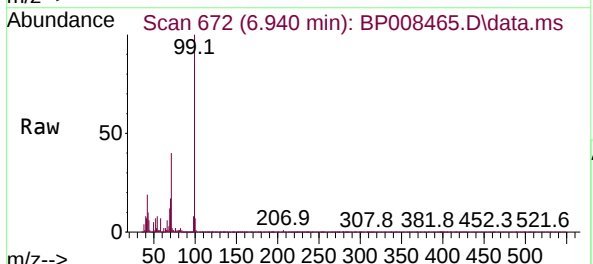
Instrument :
BNA_P
ClientSampleId :
PSC-124035DL

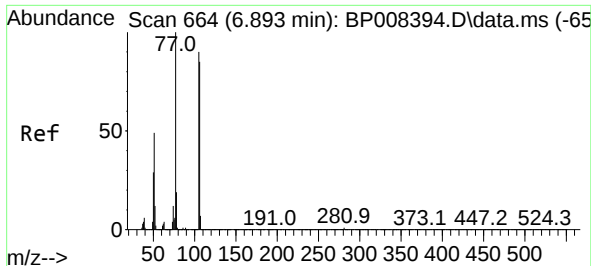
Tgt Ion:112 Resp: 68213
Ion Ratio Lower Upper
112 100
64 67.5 53.4 80.2
63 36.4 27.8 41.8



#7
Phenol-d6
Concen: 16.298 ng
RT: 6.940 min Scan# 672
Delta R.T. 0.000 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

Tgt Ion: 99 Resp: 87218
Ion Ratio Lower Upper
99 100
42 19.2 14.6 22.0
71 40.5 31.1 46.7

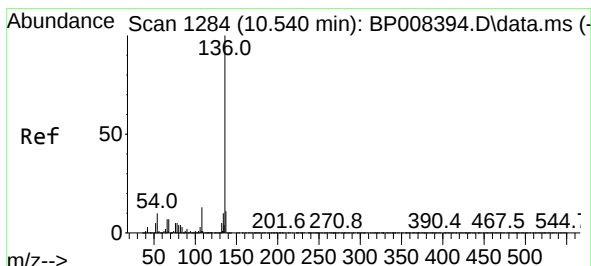
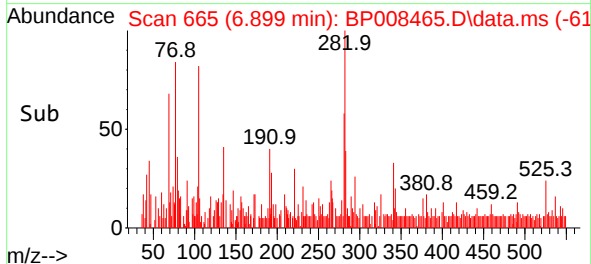
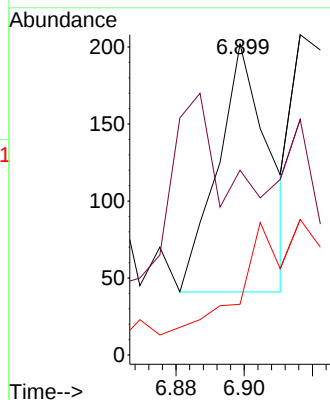
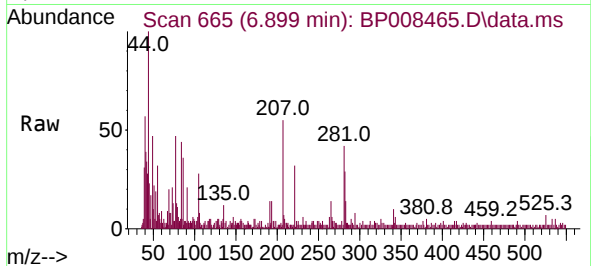




#9
Benzaldehyde
Concen: Below Cal
RT: 6.899 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

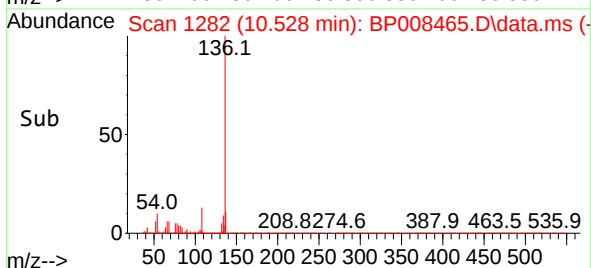
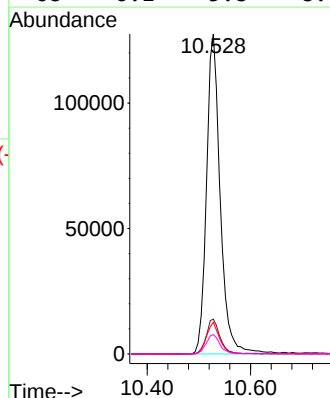
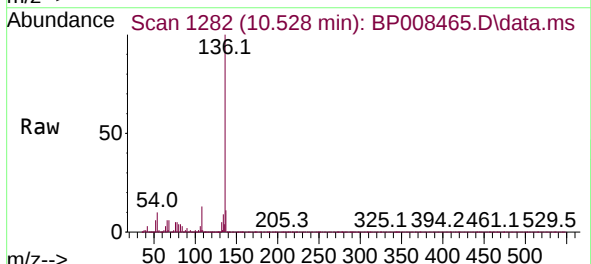
Instrument :
BNA_P
ClientSampleId :
PSC-124035DL

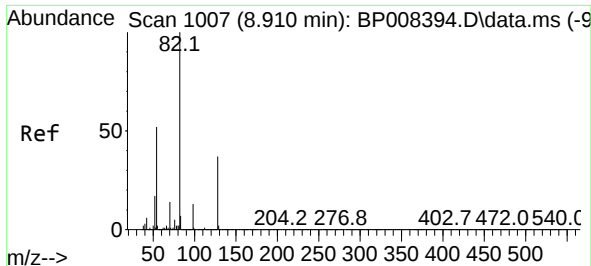
Tgt Ion: 77 Resp: 167
Ion Ratio Lower Upper
77 100
105 59.4 71.8 111.8#
106 22.3 67.3 107.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

Tgt Ion:136 Resp: 234598
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 9.9 8.2 12.4
68 6.1 5.8 8.8





#23

Nitrobenzene-d5

Concen: 10.975 ng

RT: 8.905 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BP008465.D

Acq: 16 Dec 2021 22:11

Instrument :

BNA_P

ClientSampleId :

PSC-124035DL

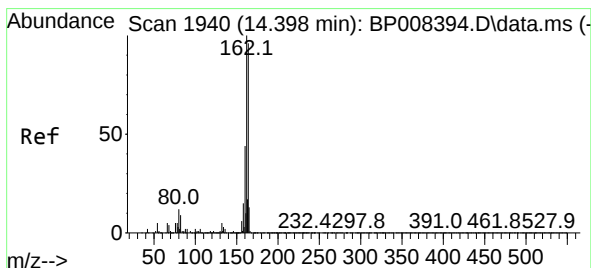
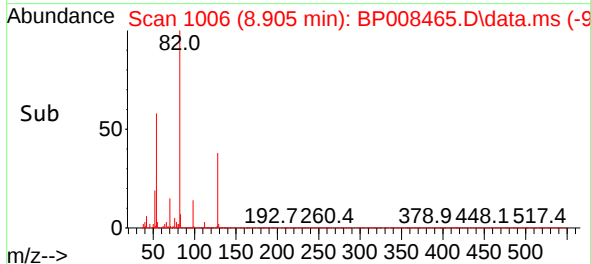
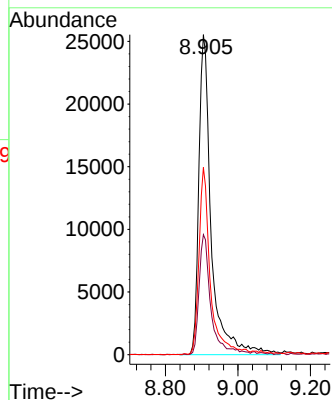
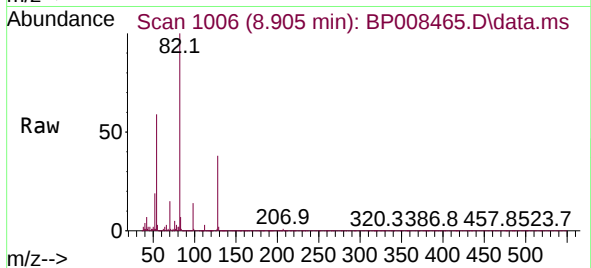
Tgt Ion: 82 Resp: 60775

Ion Ratio Lower Upper

82 100

128 37.5 29.6 44.4

54 58.5 42.7 64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.387 min Scan# 1938

Delta R.T. -0.011 min

Lab File: BP008465.D

Acq: 16 Dec 2021 22:11

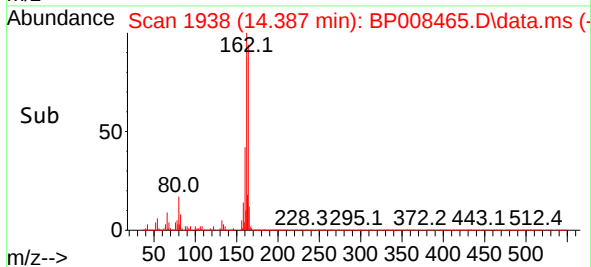
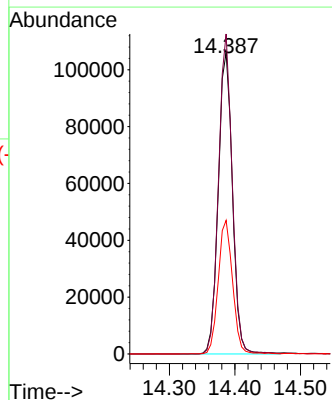
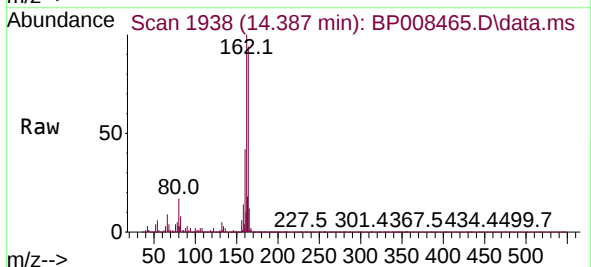
Tgt Ion: 164 Resp: 158586

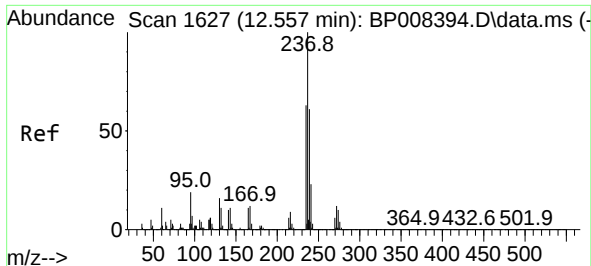
Ion Ratio Lower Upper

164 100

162 106.2 81.9 122.9

160 44.3 35.4 53.0

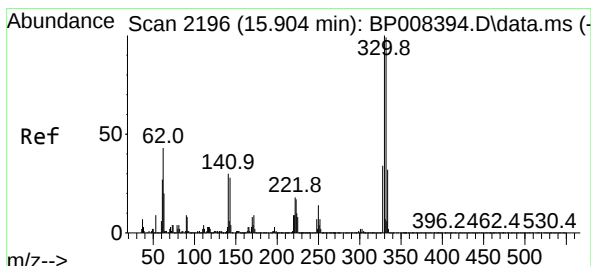
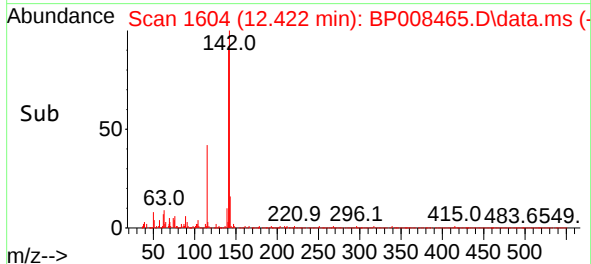
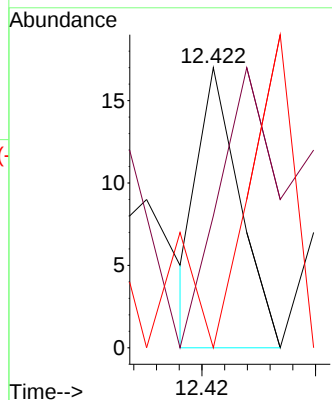
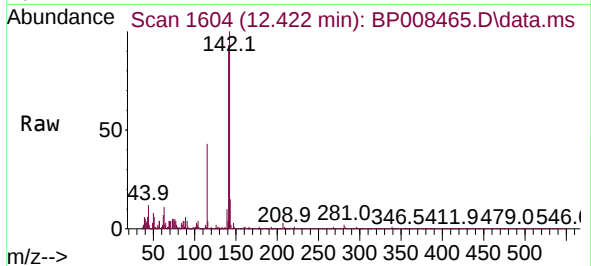




#41
Hexachlorocyclopentadiene
Concen: 8.656 ng
RT: 12.422 min Scan# 1604
Delta R.T. -0.135 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

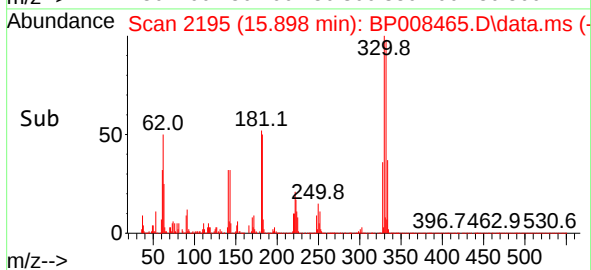
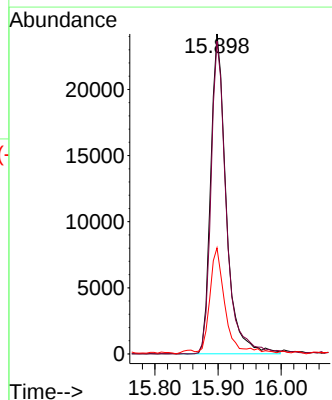
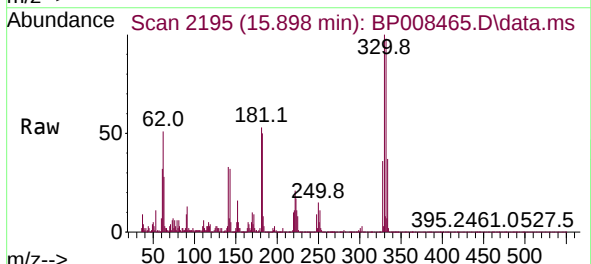
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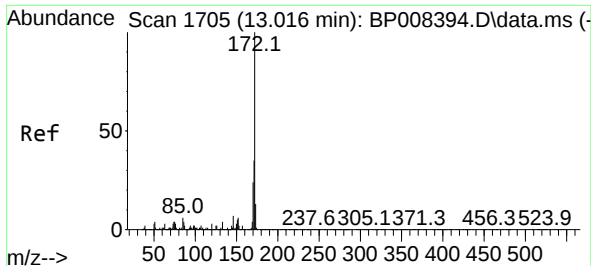
Tgt Ion:237	Resp:	8	
Ion	Ratio	Lower	Upper
237	100		
235	47.1	42.3	82.3
272	0.0	0.0	32.2



#42
2,4,6-Tribromophenol
Concen: 17.671 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

Tgt Ion:330	Resp:	41184	
Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.4
141	32.0	28.4	42.6

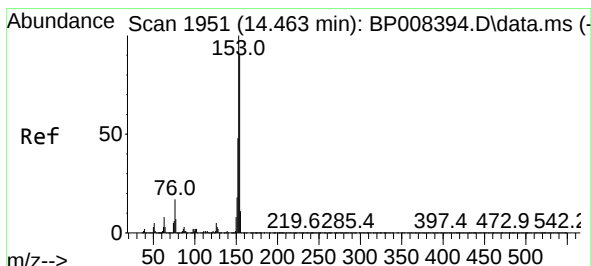
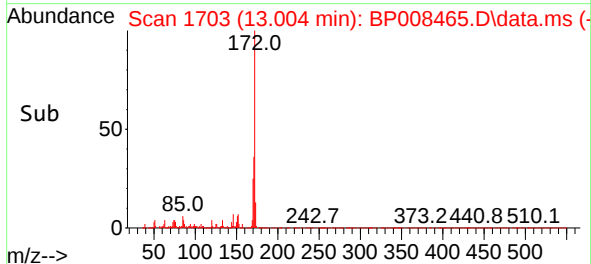
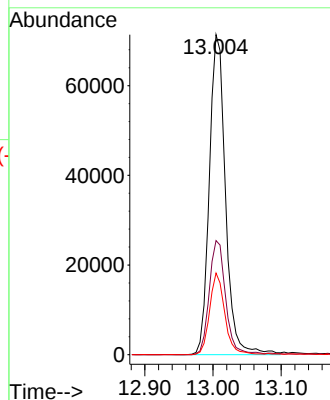
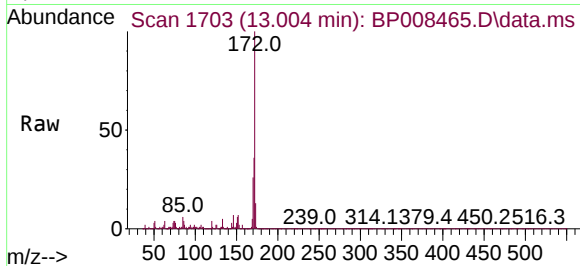




#45
2-Fluorobiphenyl
Concen: 9.457 ng
RT: 13.004 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

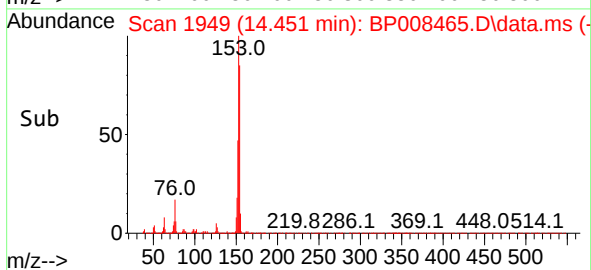
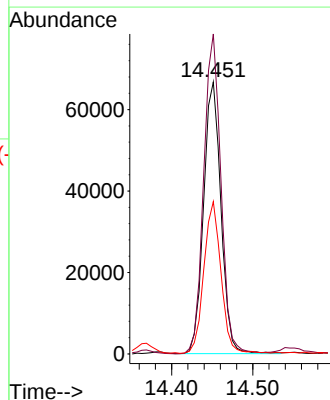
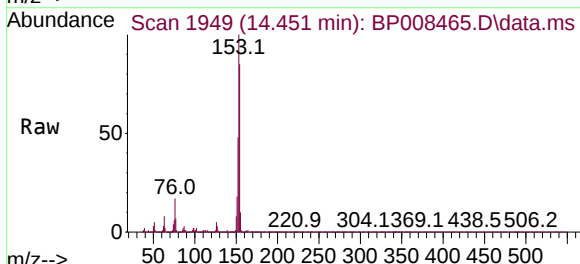
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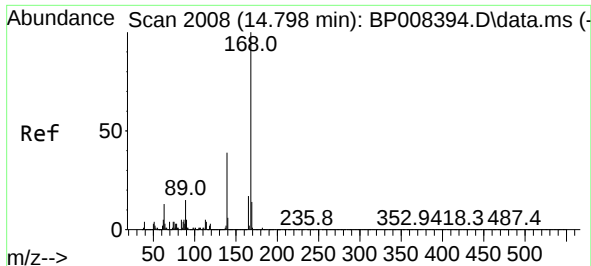
Tgt Ion:172 Resp: 117983
Ion Ratio Lower Upper
172 100
171 35.6 28.0 42.0
170 25.5 18.9 28.3



#52
Acenaphthene
Concen: 11.629 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

Tgt Ion:154 Resp: 99367
Ion Ratio Lower Upper
154 100
153 117.7 90.3 135.5
152 56.0 43.3 64.9

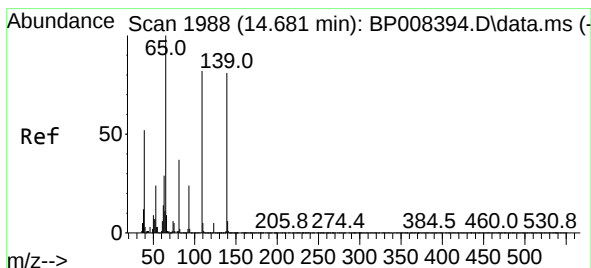
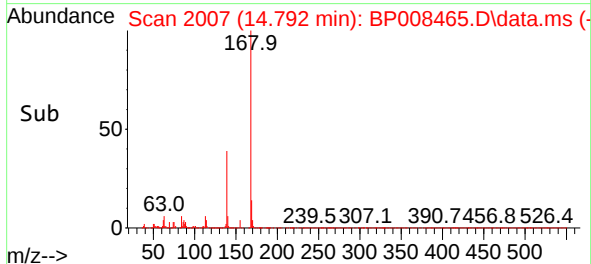
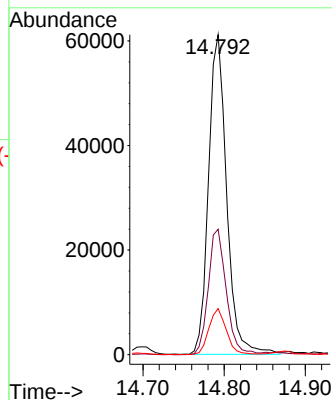
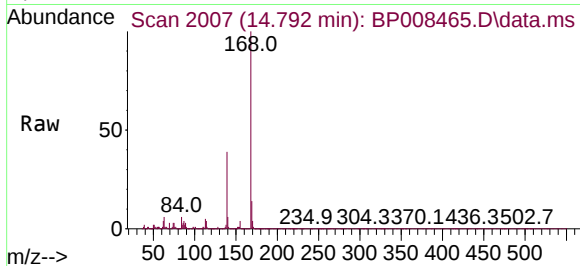




#55
Dibenzenofuran
Concen: 6.517 ng
RT: 14.792 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

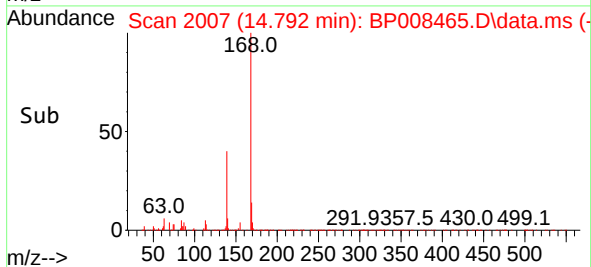
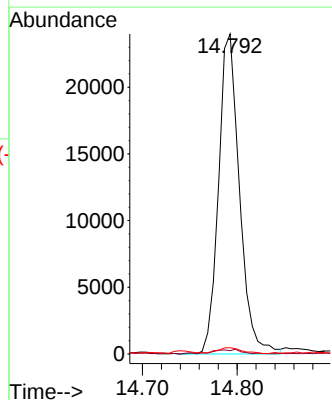
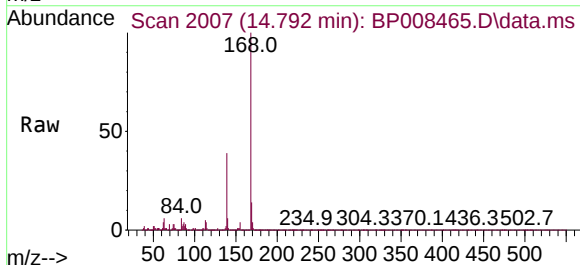
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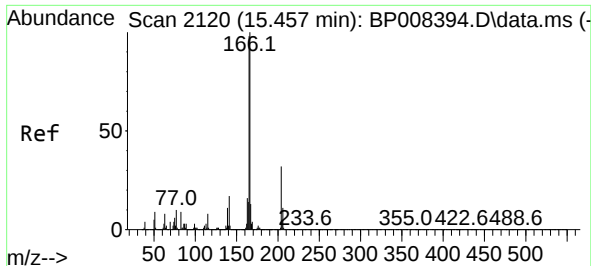
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Ion Ratio Lower Upper
168 100
139 39.2 30.6 46.0
169 14.4 11.0 16.4



#56
4-Nitrophenol
Concen: 26.915 ng
RT: 14.792 min Scan# 2007
Delta R.T. 0.112 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

Tgt Ion:139 Resp: 36895
Ion Ratio Lower Upper
139 100
109 1.1 65.9 105.9#
65 1.9 91.9 131.9#

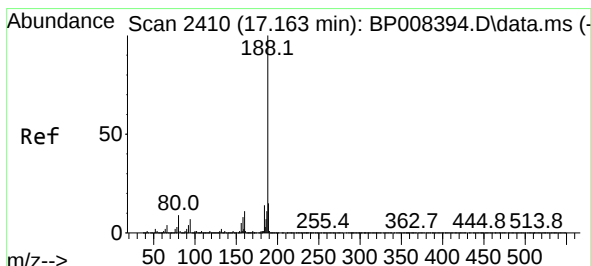
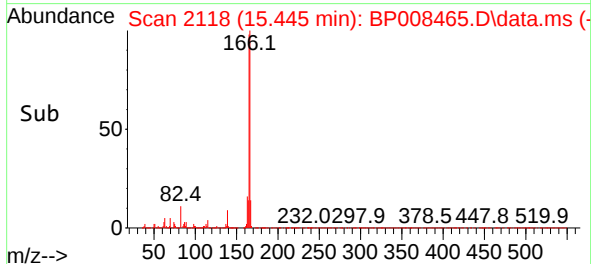
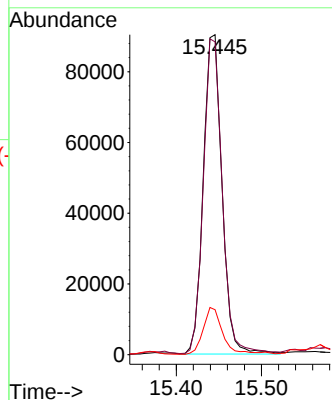
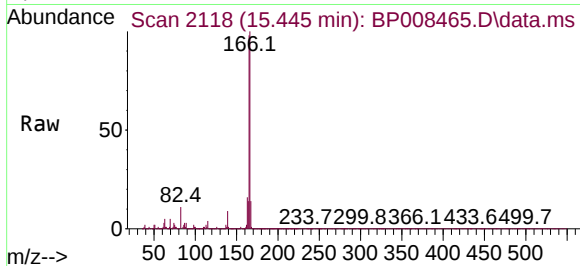




#58
 Fluorene
 Concen: 12.219 ng
 RT: 15.445 min Scan# 2118
 Delta R.T. -0.012 min
 Lab File: BP008465.D
 Acq: 16 Dec 2021 22:11

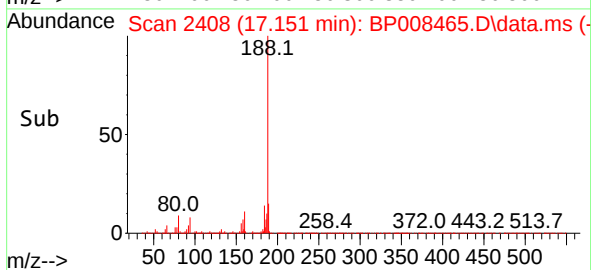
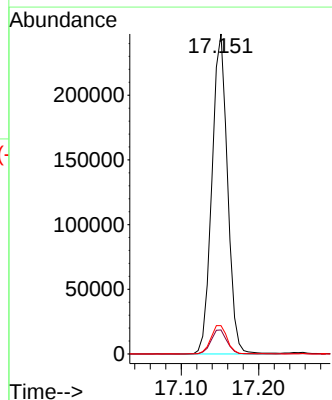
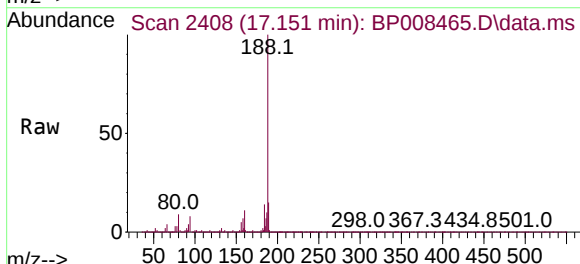
Instrument :
 BNA_P
 ClientSampleId :
 PSC-124035DL

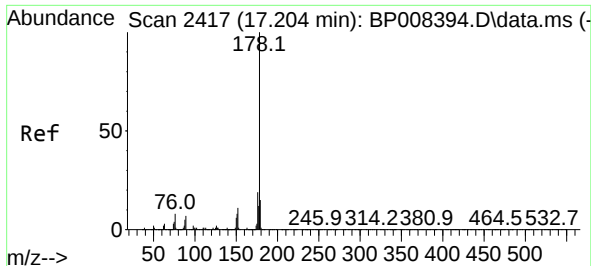
Tgt Ion:166 Resp: 137700
 Ion Ratio Lower Upper
 166 100
 165 97.8 79.4 119.2
 167 14.0 10.9 16.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.151 min Scan# 2408
 Delta R.T. -0.012 min
 Lab File: BP008465.D
 Acq: 16 Dec 2021 22:11

Tgt Ion:188 Resp: 347228
 Ion Ratio Lower Upper
 188 100
 94 7.5 7.2 10.8
 80 8.8 8.2 12.4

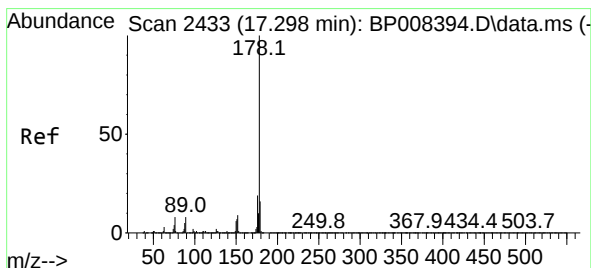
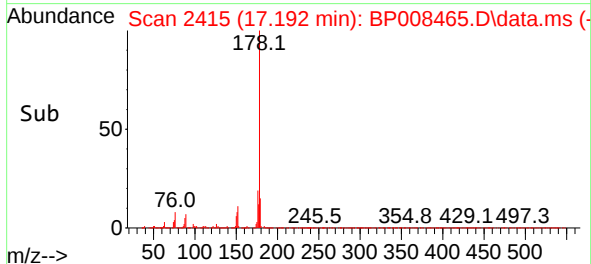
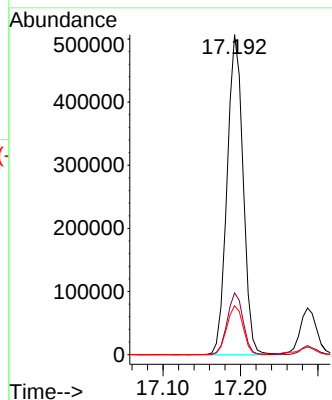
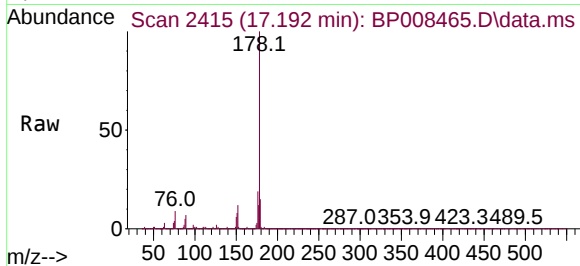




#71
Phenanthrene
Concen: 38.658 ng
RT: 17.192 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

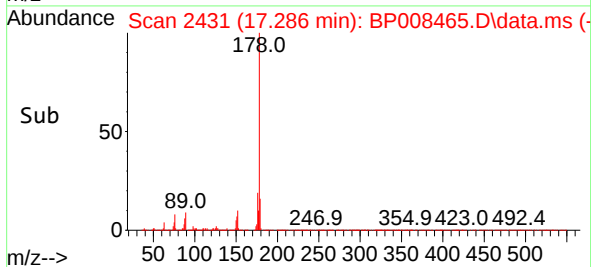
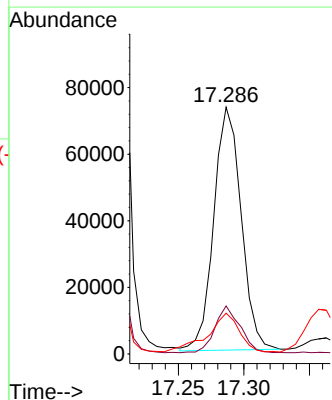
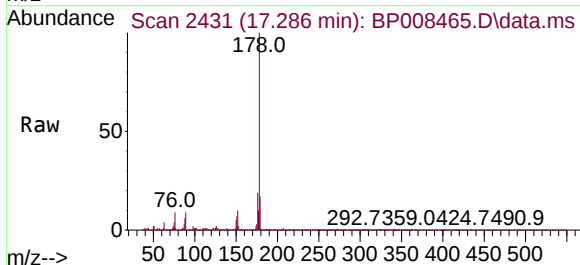
Instrument :
BNA_P
ClientSampleId :
PSC-124035DL

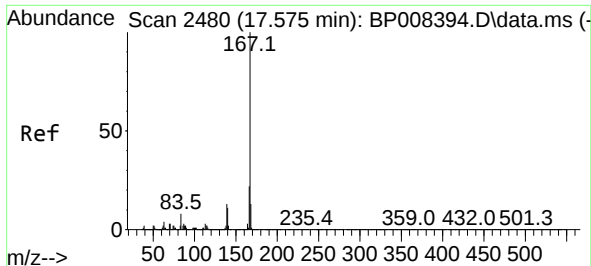
Tgt Ion:178 Resp: 727119
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.3 12.5 18.7



#72
Anthracene
Concen: 5.710 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.012 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

Tgt Ion:178 Resp: 105963
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 16.5 12.3 18.5

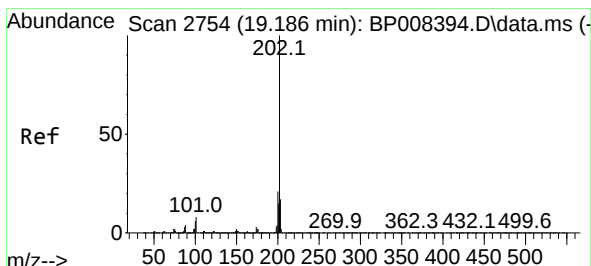
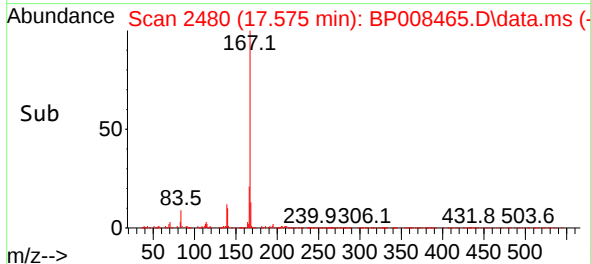
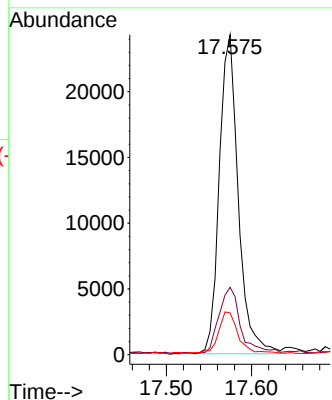
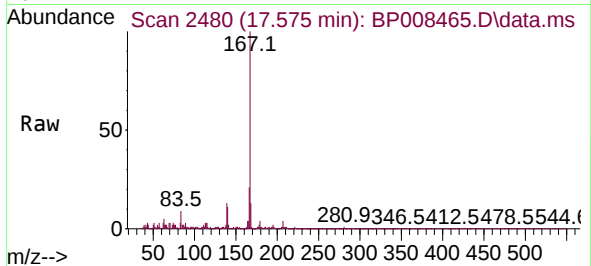




#73
 Carbazole
 Concen: 2.210 ng
 RT: 17.575 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: BP008465.D
 Acq: 16 Dec 2021 22:11

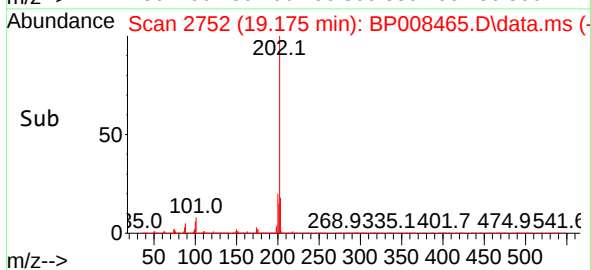
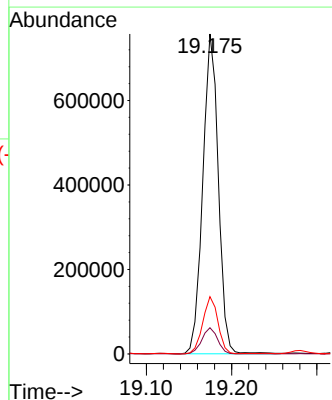
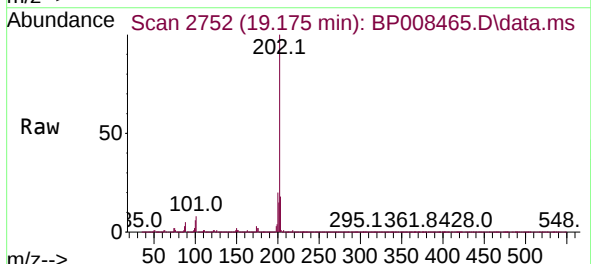
Instrument :
 BNA_P
 ClientSampleId :
 PSC-124035DL

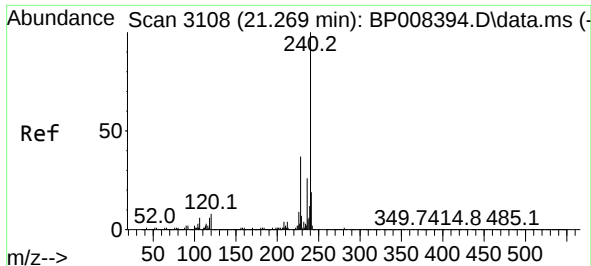
Tgt Ion:	167	Resp:	37526
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.4	26.0
139	13.1	10.2	15.2



#75
 Fluoranthene
 Concen: 45.155 ng
 RT: 19.175 min Scan# 2752
 Delta R.T. -0.012 min
 Lab File: BP008465.D
 Acq: 16 Dec 2021 22:11

Tgt Ion:	202	Resp:	958888
Ion Ratio	Lower	Upper	
202	100		
101	8.2	0.0	29.8
203	17.9	0.0	37.7

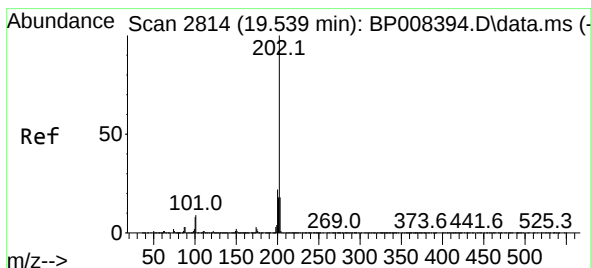
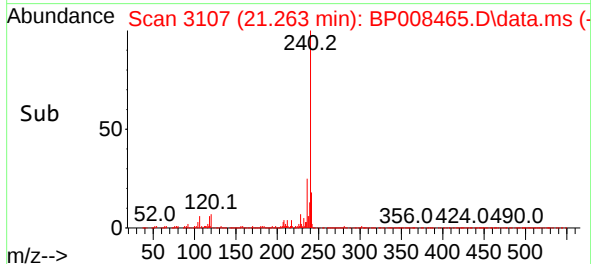
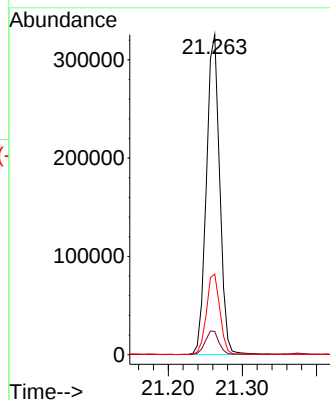
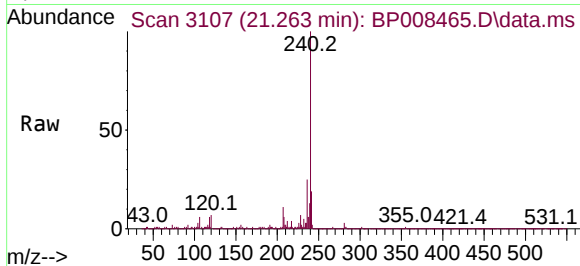




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.263 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

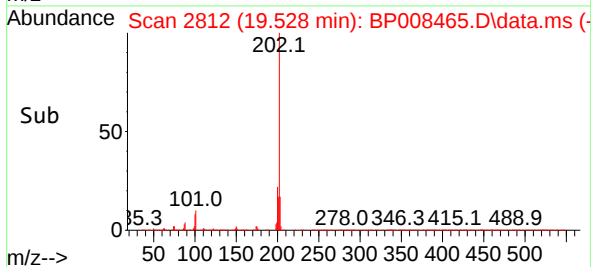
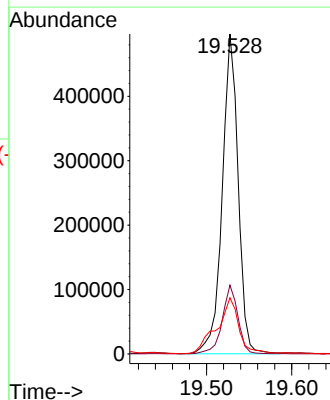
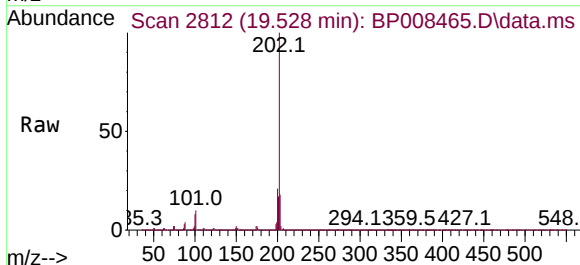
Instrument :
BNA_P
ClientSampleId :
PSC-124035DL

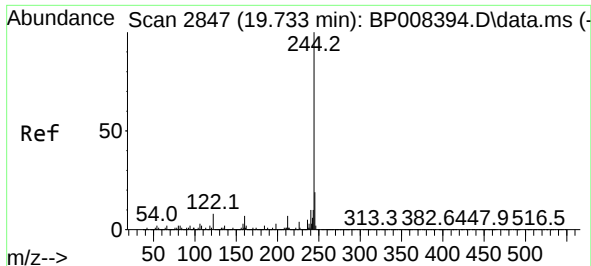
Tgt Ion:240 Resp: 405667
Ion Ratio Lower Upper
240 100
120 7.3 7.3 10.9
236 25.2 21.4 32.2



#78
Pyrene
Concen: 22.224 ng
RT: 19.528 min Scan# 2812
Delta R.T. -0.012 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

Tgt Ion:202 Resp: 645036
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 17.5 14.2 21.2

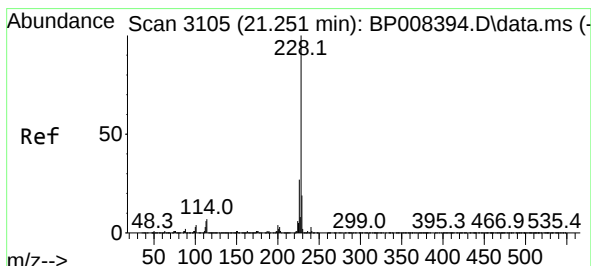
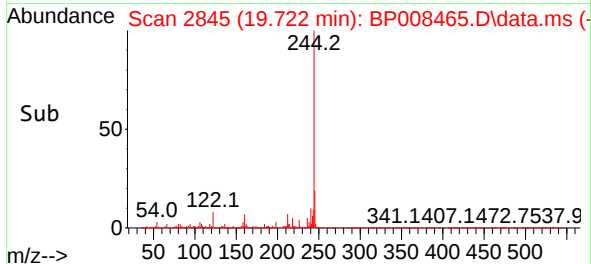
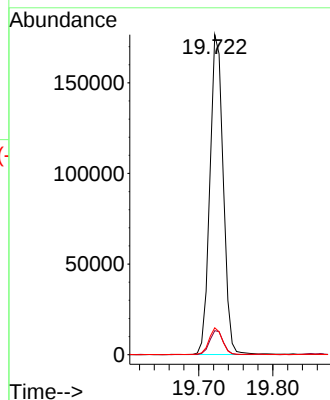
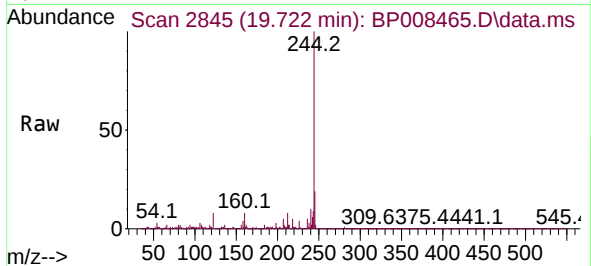




#79
 Terphenyl-d14
 Concen: 9.488 ng
 RT: 19.722 min Scan# 211
 Delta R.T. -0.012 min
 Lab File: BP008465.D
 Acq: 16 Dec 2021 22:11

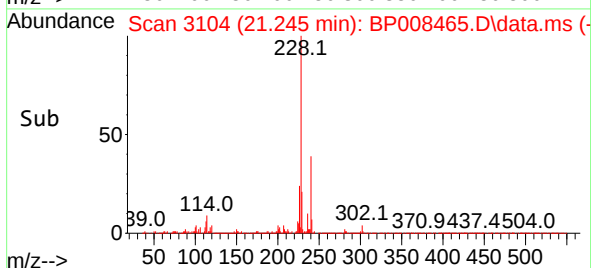
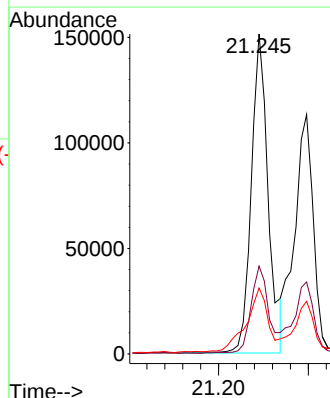
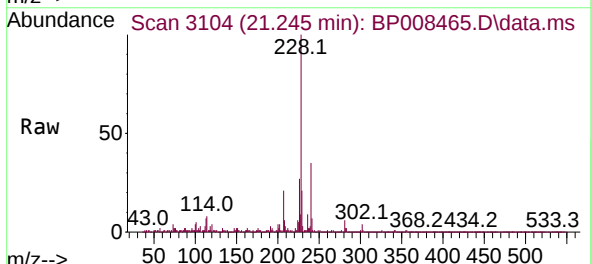
Instrument :
 BNA_P
 ClientSampleId :
 PSC-124035DL

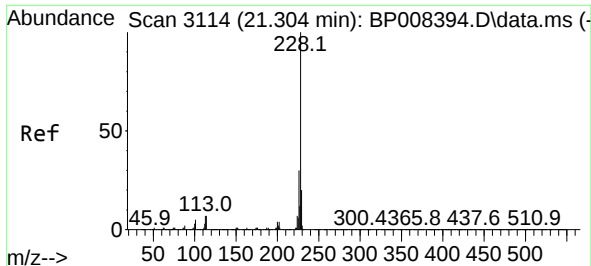
Tgt Ion:244	Resp:	221151	
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	8.4	6.6	9.8



#81
 Benzo(a)anthracene
 Concen: 7.230 ng
 RT: 21.245 min Scan# 3104
 Delta R.T. -0.006 min
 Lab File: BP008465.D
 Acq: 16 Dec 2021 22:11

Tgt Ion:228	Resp:	196564	
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	20.6	15.9	23.9

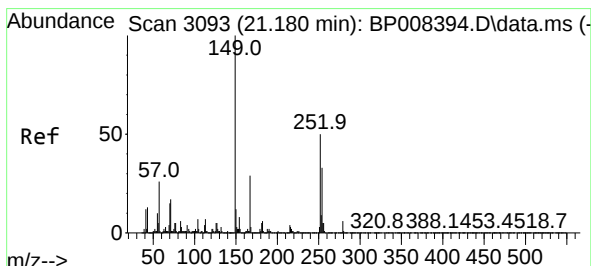
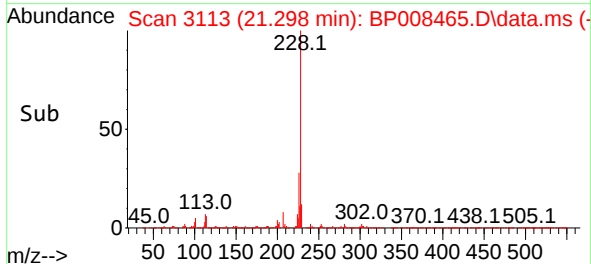
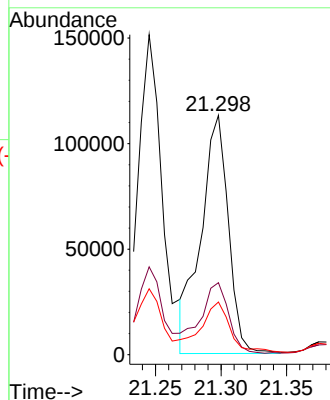
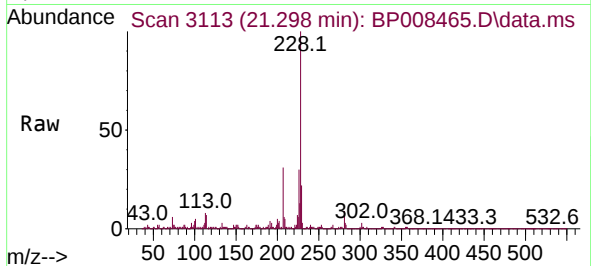




#83
Chrysene
Concen: 6.354 ng
RT: 21.298 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

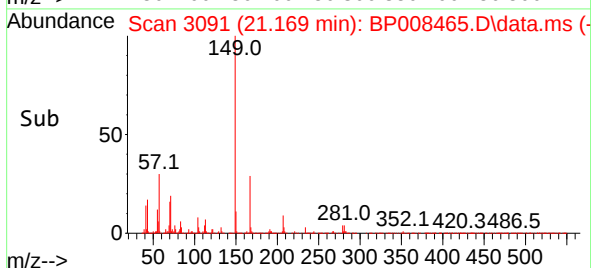
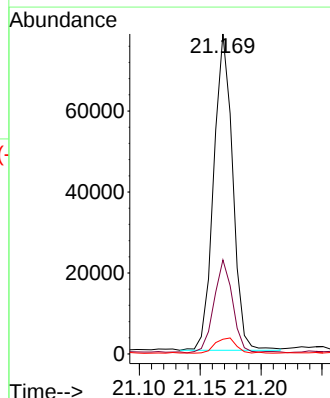
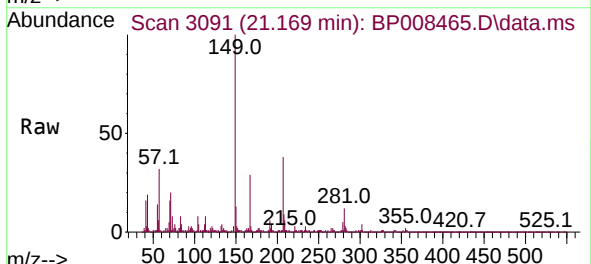
Instrument :
BNA_P
ClientSampleId :
PSC-124035DL

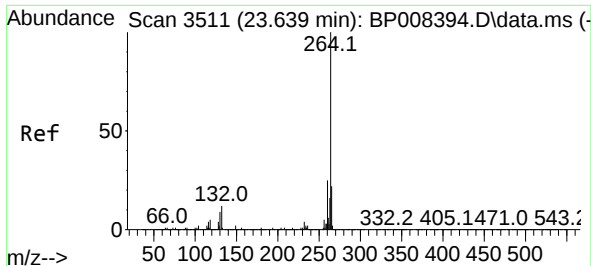
Tgt Ion:228 Resp: 164998
Ion Ratio Lower Upper
228 100
226 30.1 24.0 36.0
229 22.0 15.8 23.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.687 ng
RT: 21.169 min Scan# 3091
Delta R.T. -0.012 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

Tgt Ion:149 Resp: 84621
Ion Ratio Lower Upper
149 100
167 29.4 22.5 33.7
279 4.6 3.5 5.3

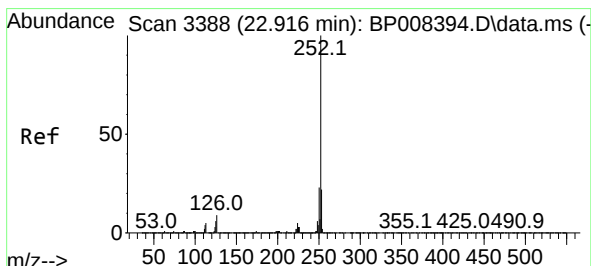
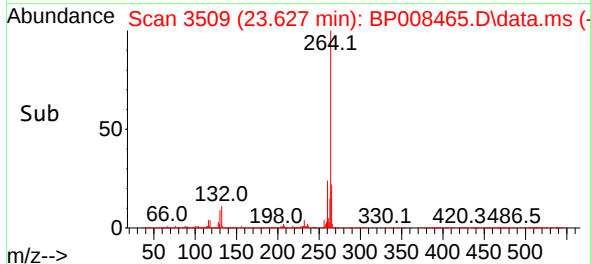
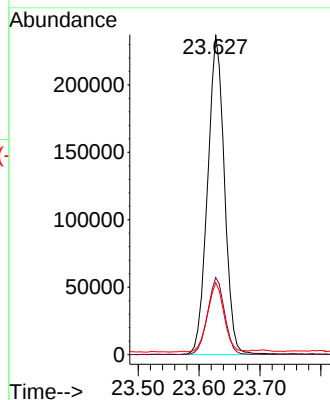
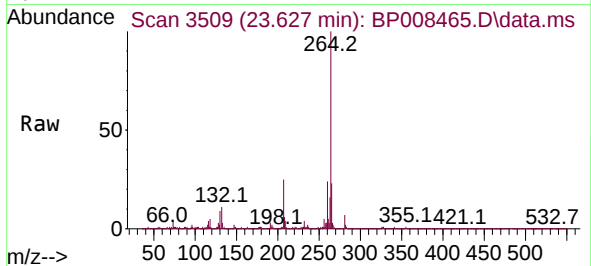




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.627 min Scan# 3509
 Delta R.T. -0.012 min
 Lab File: BP008465.D
 Acq: 16 Dec 2021 22:11

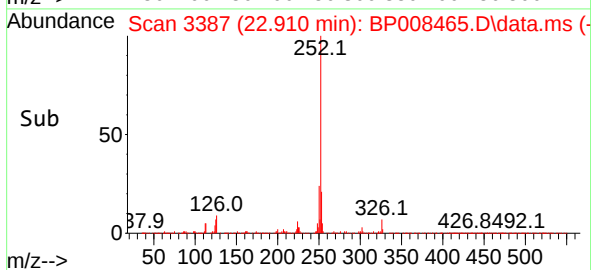
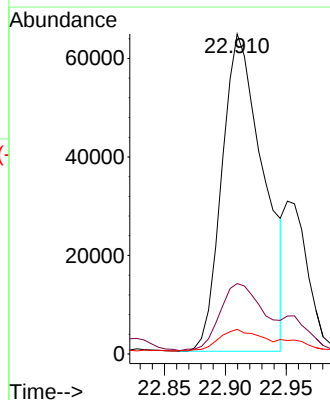
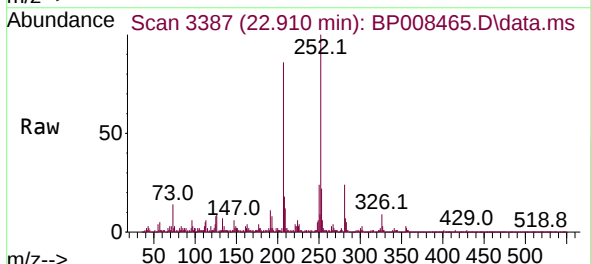
Instrument :
 BNA_P
 ClientSampleId :
 PSC-124035DL

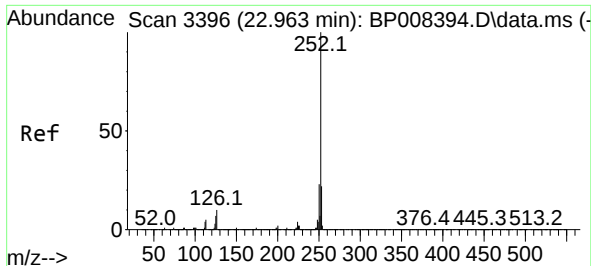
Tgt Ion:	264	Resp:	453405
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.4	29.2
265	22.5	17.6	26.4



#88
 Benzo(b)fluoranthene
 Concen: 5.593 ng
 RT: 22.910 min Scan# 3387
 Delta R.T. -0.006 min
 Lab File: BP008465.D
 Acq: 16 Dec 2021 22:11

Tgt Ion:	252	Resp:	152551
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.7	26.5
125	7.7	6.2	9.4

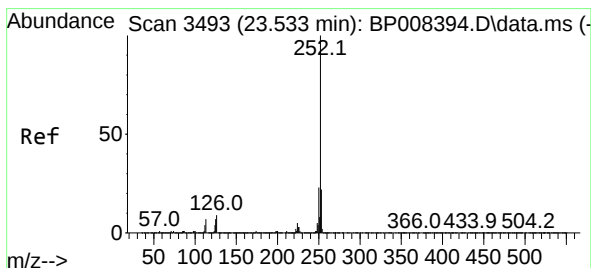
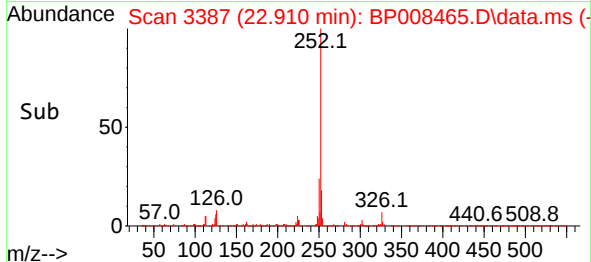
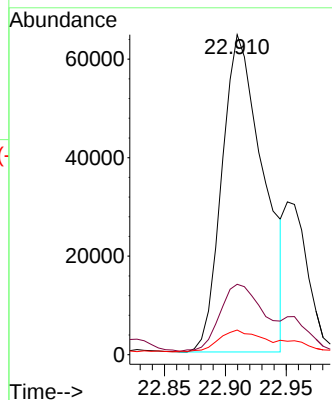
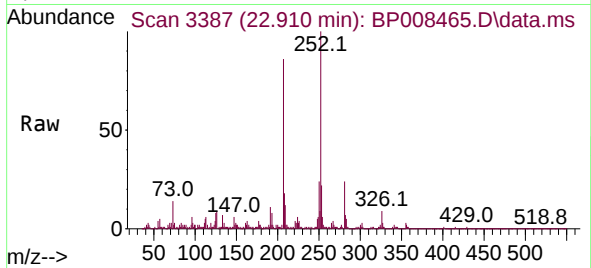




#89
Benzo(k)fluoranthene
Concen: 5.546 ng
RT: 22.910 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

Instrument :
BNA_P
ClientSampleId :
PSC-124035DL

Tgt Ion:252 Resp: 152551
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 7.7 6.5 9.7



#90
Benzo(a)pyrene
Concen: 3.272 ng
RT: 23.521 min Scan# 3491
Delta R.T. -0.012 min
Lab File: BP008465.D
Acq: 16 Dec 2021 22:11

Tgt Ion:252 Resp: 77453
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 9.5 7.4 11.0

