

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112321\
 Data File : BP008105.D
 Acq On : 23 Nov 2021 20:10
 Operator : CG/JU
 Sample : M4796-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-03-111921

Quant Time: Nov 24 00:08:18 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 20 00:21:11 2021
 Response via : Initial Calibration

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

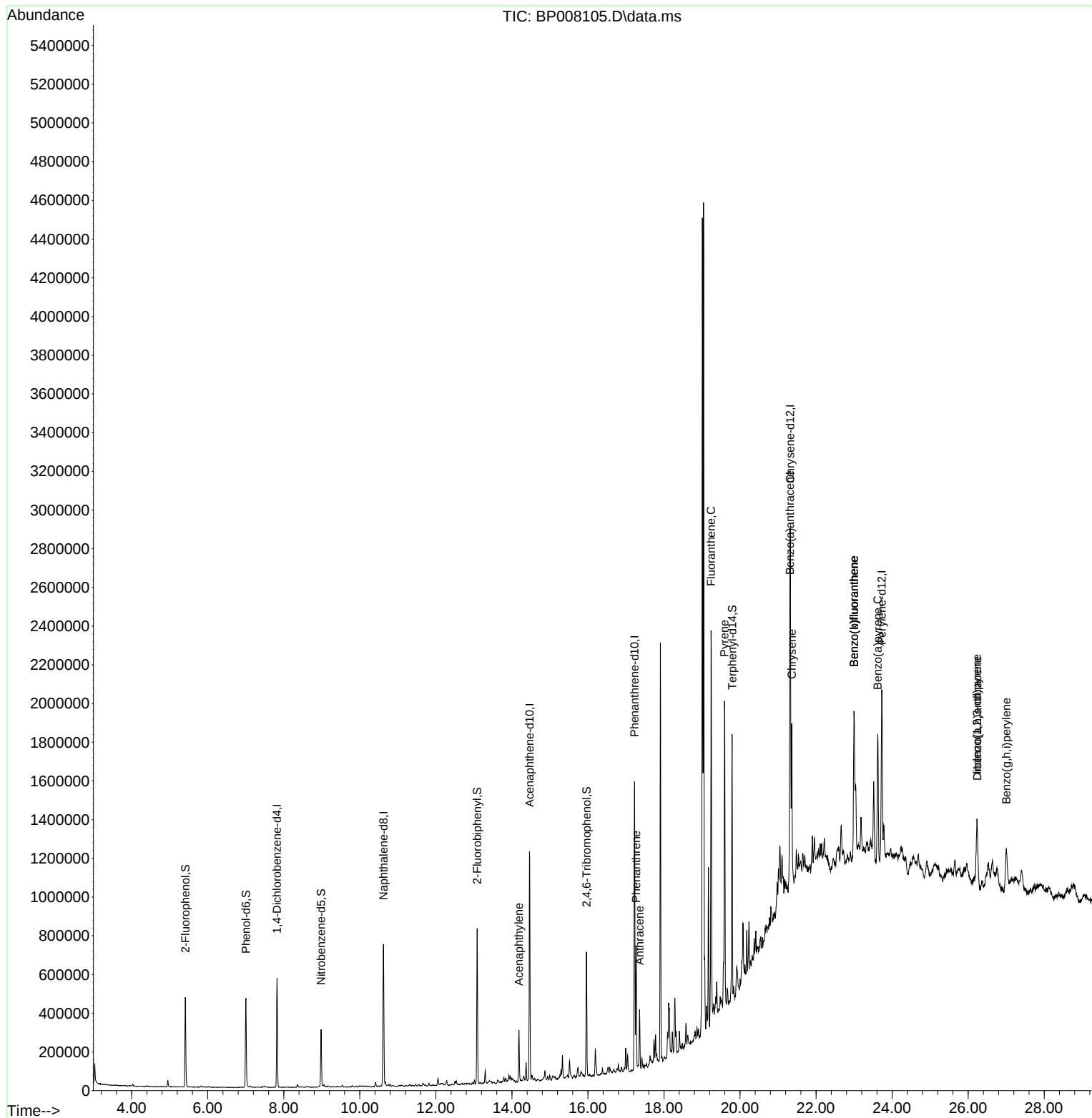
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	146850	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	584368	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	409162	20.000	ng	0.00
64) Phenanthrene-d10	17.228	188	906435	20.000	ng	0.00
76) Chrysene-d12	21.321	240	704073	20.000	ng	0.00
86) Perylene-d12	23.727	264	720219	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	191457	22.285	ng	0.00
7) Phenol-d6	7.005	99	260970	21.913	ng	0.00
23) Nitrobenzene-d5	8.981	82	173731	13.487	ng	-0.01
42) 2,4,6-Tribromophenol	15.963	330	115392	22.285	ng	0.00
45) 2-Fluorobiphenyl	13.087	172	399913	15.304	ng	0.00
79) Terphenyl-d14	19.792	244	611389	17.073	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.975	77	227	Below Cal	#	57
49) Acenaphthylene	14.187	152	195074	5.423	ng	98
58) Fluorene	15.516	166	45139	Below Cal		96
61) 4-Chlorophenyl-phenyle...	15.510	204	193	Below Cal	#	1
71) Phenanthrene	17.269	178	398937	8.168	ng	99
72) Anthracene	17.357	178	188413	3.897	ng	99
75) Fluoranthene	19.239	202	1026750	16.311	ng	99
78) Pyrene	19.592	202	981401	20.526	ng	99
81) Benzo(a)anthracene	21.310	228	540142	11.439	ng	95
82) 3,3'-Dichlorobenzidine	21.251	252	762	Below Cal	#	74
83) Chrysene	21.363	228	478906	10.688	ng	98
87) Indeno(1,2,3-cd)pyrene	26.233	276	346039	6.924	ng	97
88) Benzo(b)fluoranthene	22.998	252	705603	15.669	ng	# 95
89) Benzo(k)fluoranthene	22.998	252	705603	15.749	ng	# 95
90) Benzo(a)pyrene	23.621	252	522790	13.853	ng	97
91) Dibenzo(a,h)anthracene	26.239	278	98644	2.371	ng	# 79
92) Benzo(g,h,i)perylene	27.003	276	315697	7.747	ng	99

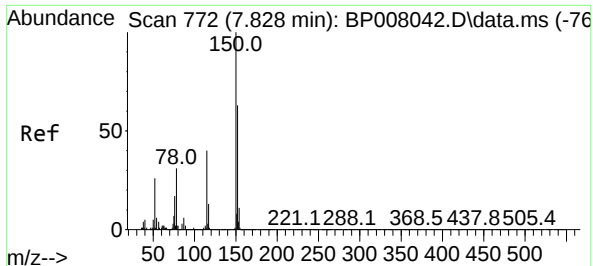
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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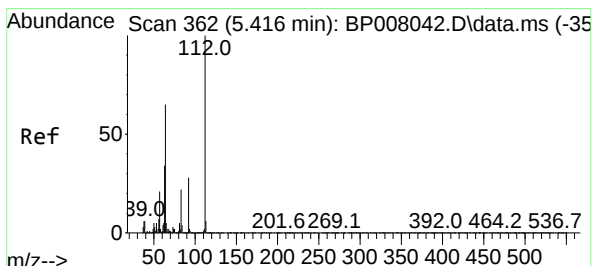
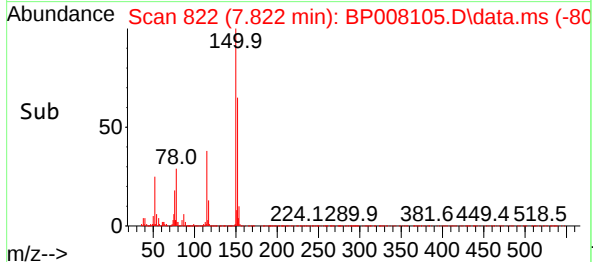
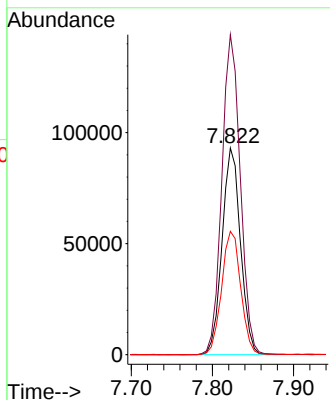
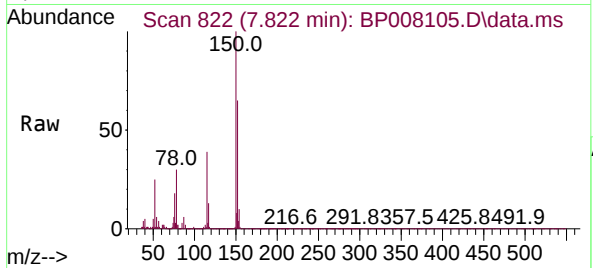




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

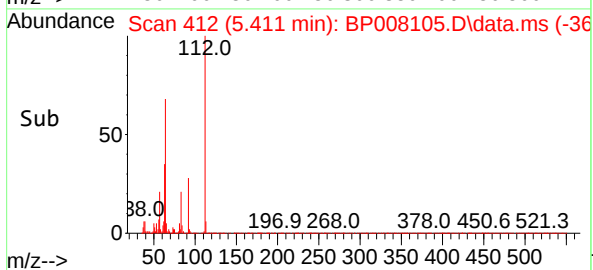
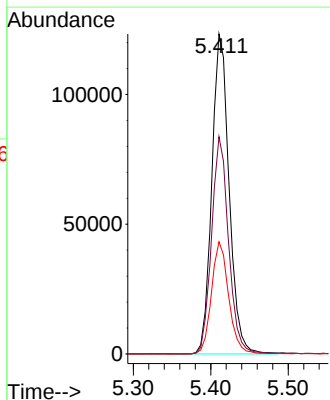
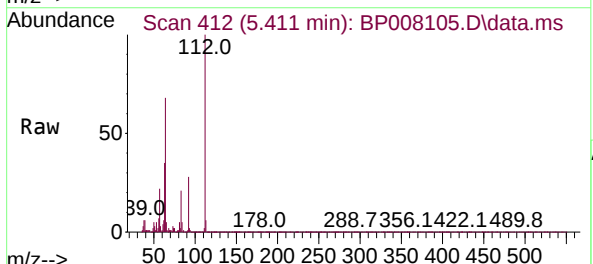
Instrument :
BNA_P
ClientSampleId :
EO-03-111921

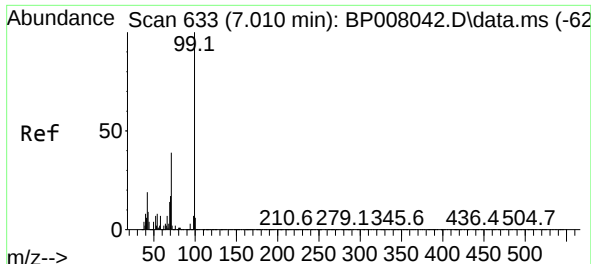
Tgt Ion:152 Resp: 146850
Ion Ratio Lower Upper
152 100
150 154.7 126.5 189.7
115 59.6 50.6 75.8



#5
2-Fluorophenol
Concen: 22.285 ng
RT: 5.411 min Scan# 412
Delta R.T. -0.005 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:112 Resp: 191457
Ion Ratio Lower Upper
112 100
64 67.9 51.7 77.5
63 35.0 27.4 41.0

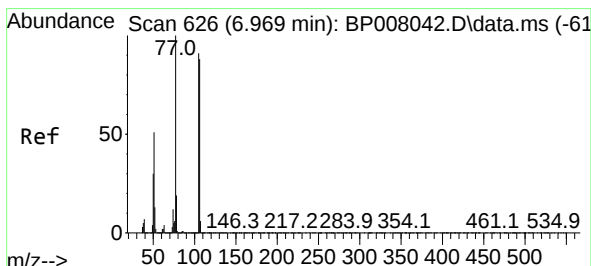
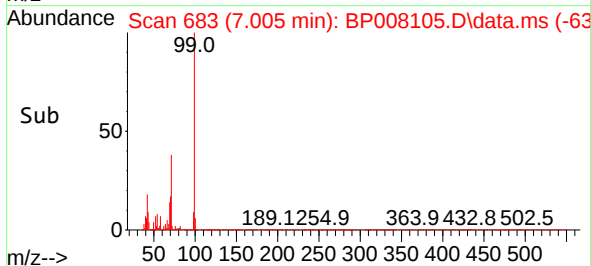
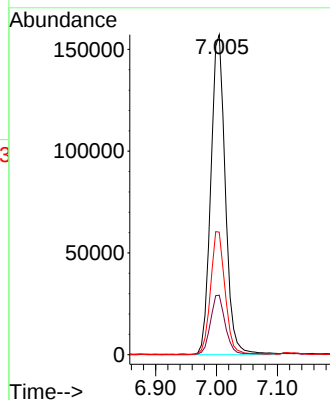
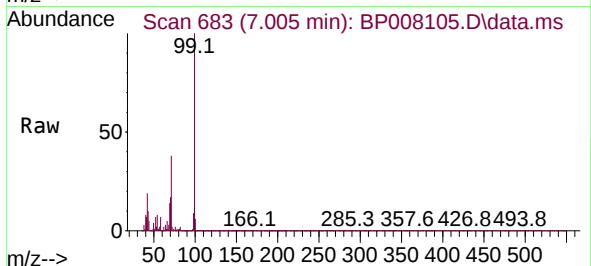




#7
Phenol-d6
Concen: 21.913 ng
RT: 7.005 min Scan# 61
Delta R.T. -0.005 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

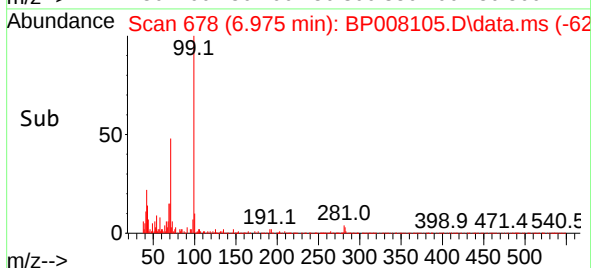
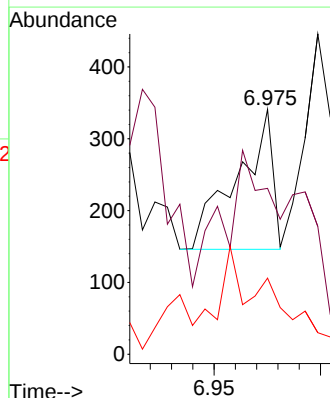
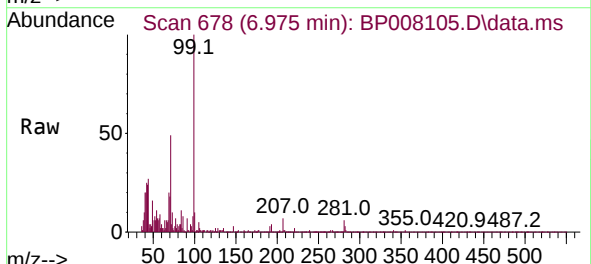
Instrument :
BNA_P
ClientSampleId :
EO-03-111921

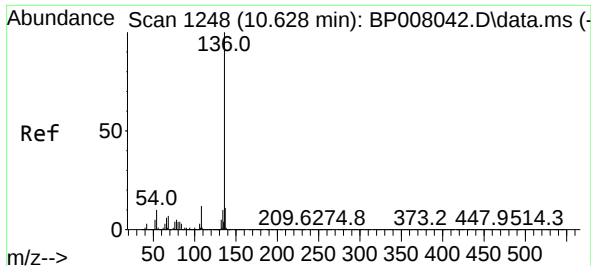
Tgt Ion: 99 Resp: 260970
Ion Ratio Lower Upper
99 100
42 18.6 15.4 23.2
71 38.3 31.0 46.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.975 min Scan# 678
Delta R.T. 0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion: 77 Resp: 227
Ion Ratio Lower Upper
77 100
105 67.7 71.5 111.5#
106 31.1 67.9 107.9#

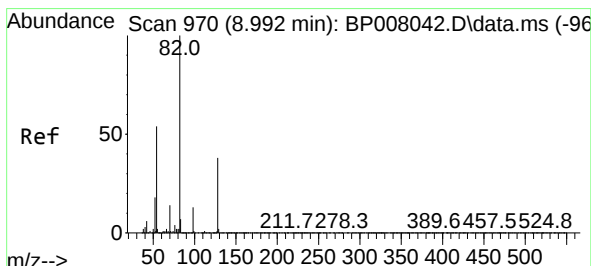
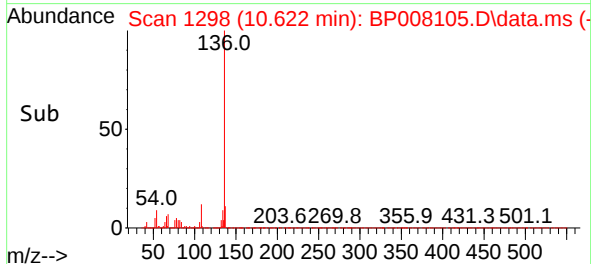
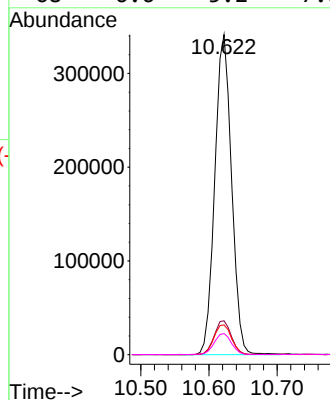
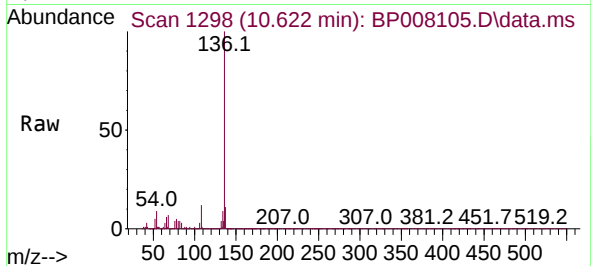




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

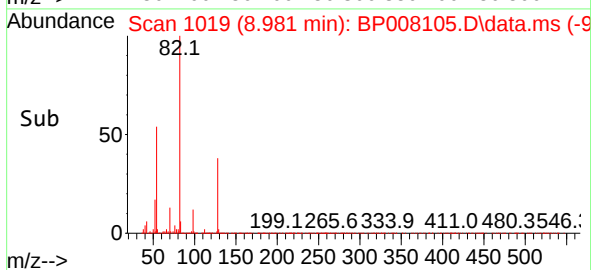
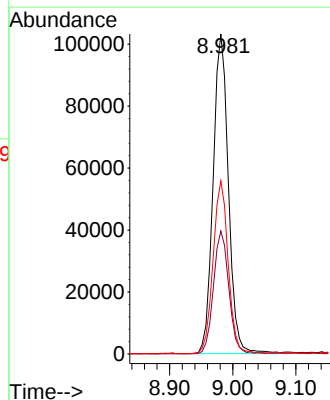
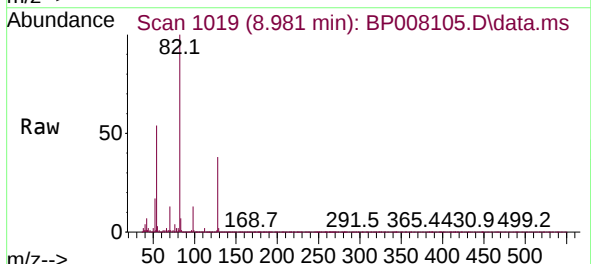
Instrument :
BNA_P
ClientSampleId :
EO-03-111921

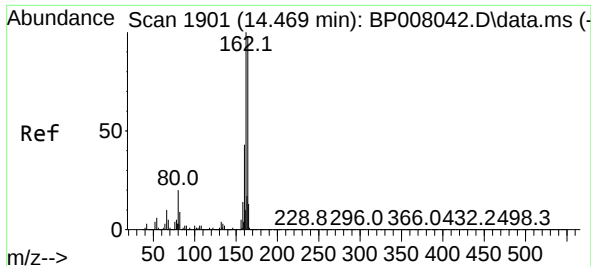
Tgt Ion:	136	Resp:	584368
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.7	13.1
54	9.3	8.0	12.0
68	6.6	5.2	7.8



#23
Nitrobenzene-d5
Concen: 13.487 ng
RT: 8.981 min Scan# 1019
Delta R.T. -0.011 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:	82	Resp:	173731
Ion Ratio	Lower	Upper	
82	100		
128	38.4	30.2	45.2
54	54.1	43.1	64.7

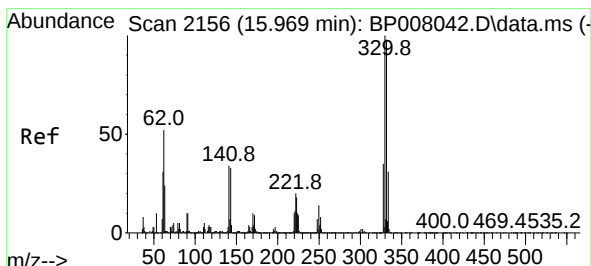
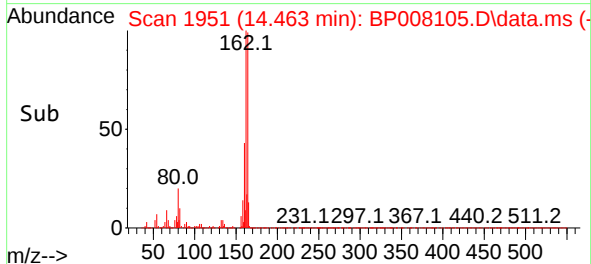
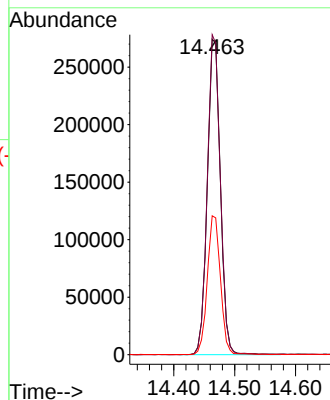
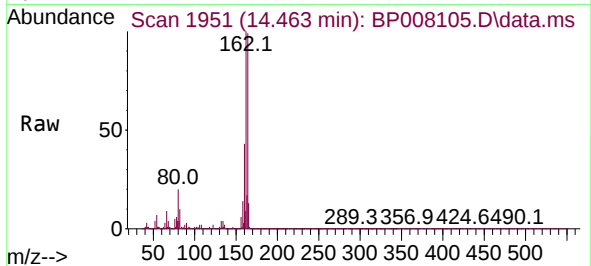




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

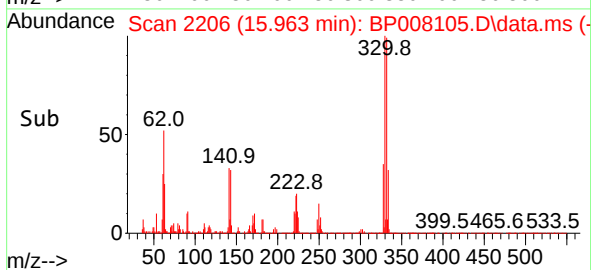
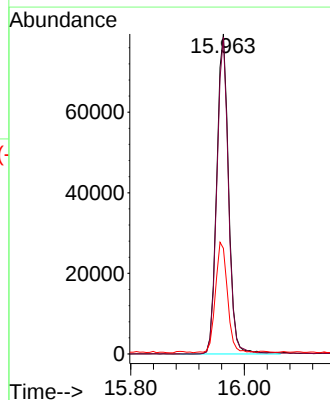
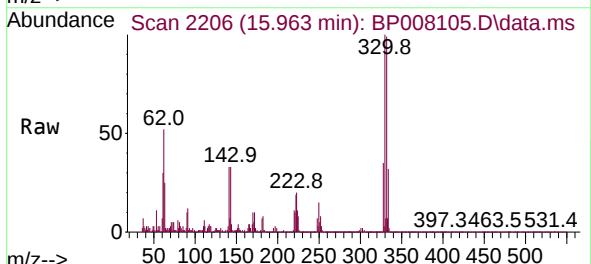
Instrument :
BNA_P
ClientSampleId :
EO-03-111921

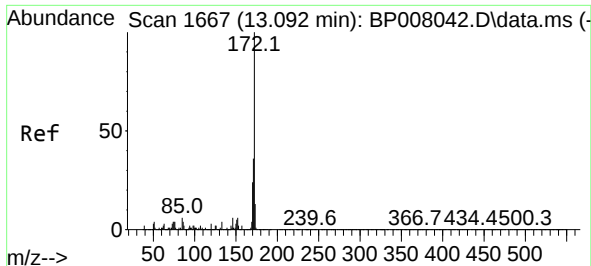
Tgt Ion:164 Resp: 409162
Ion Ratio Lower Upper
164 100
162 101.4 81.8 122.8
160 44.0 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 22.285 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:330 Resp: 115392
Ion Ratio Lower Upper
330 100
332 96.1 78.0 117.0
141 34.9 29.6 44.4

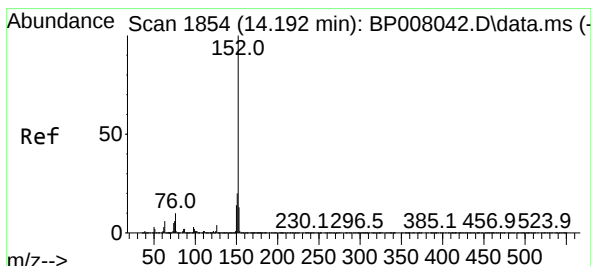
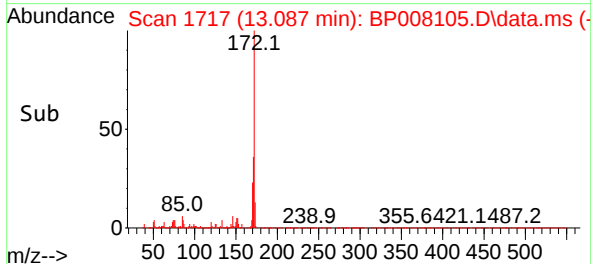
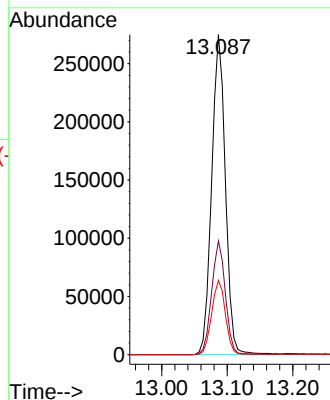
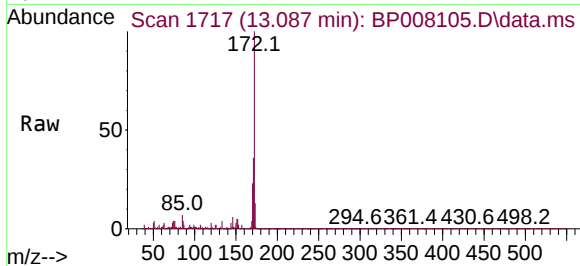




#45
2-Fluorobiphenyl
Concen: 15.304 ng
RT: 13.087 min Scan# 11
Delta R.T. -0.005 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

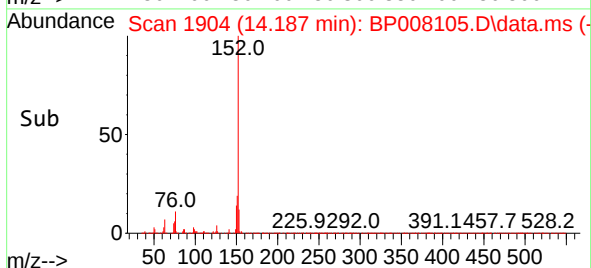
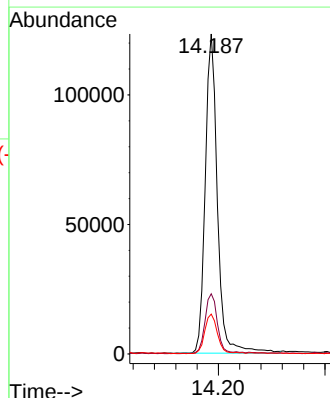
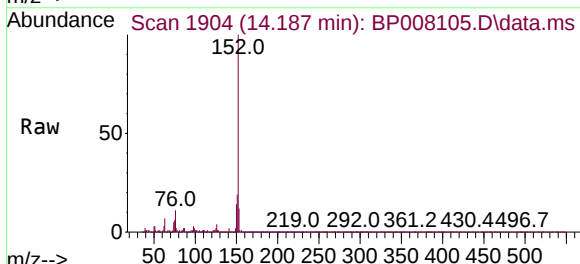
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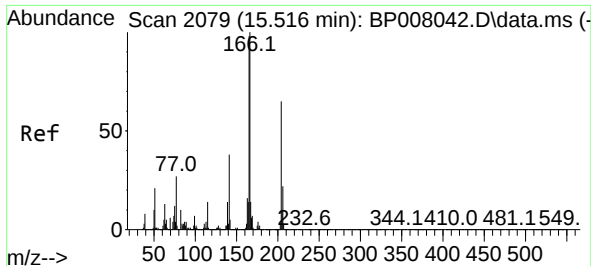
Tgt Ion:172 Resp: 399913
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.2 19.0 28.4



#49
Acenaphthylene
Concen: 5.423 ng
RT: 14.187 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:152 Resp: 195074
Ion Ratio Lower Upper
152 100
151 18.8 15.8 23.8
153 12.4 10.5 15.7

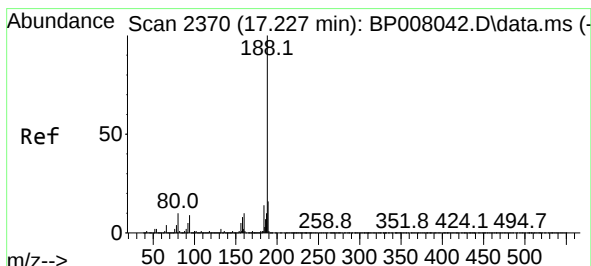
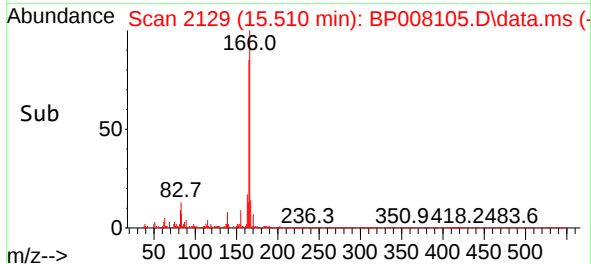
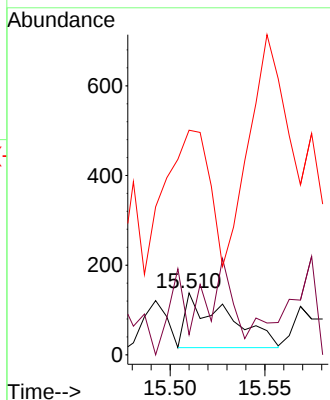
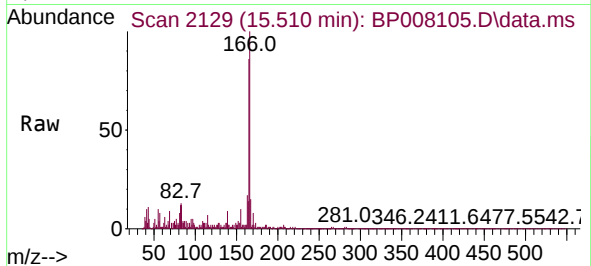




#61
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 15.510 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

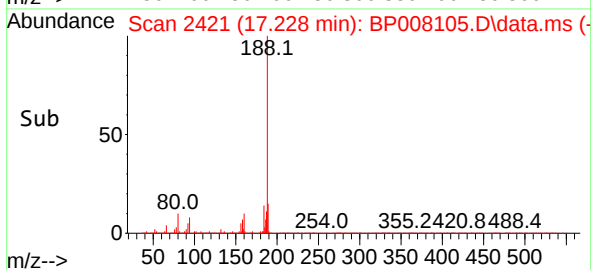
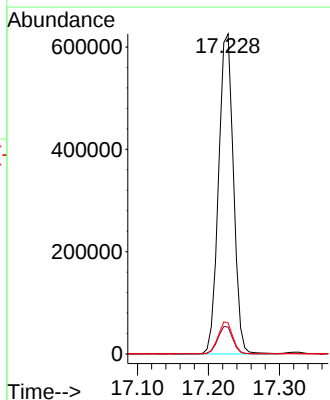
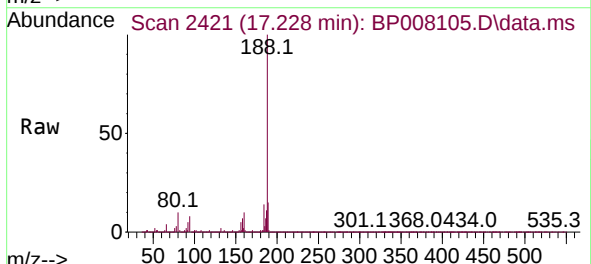
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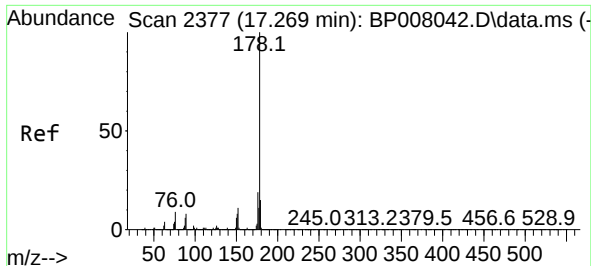
Tgt Ion:204 Resp: 193
Ion Ratio Lower Upper
204 100
206 32.6 27.3 40.9
141 363.0 46.7 70.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.228 min Scan# 2421
Delta R.T. 0.001 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:188 Resp: 906435
Ion Ratio Lower Upper
188 100
94 8.4 7.1 10.7
80 9.7 8.1 12.1

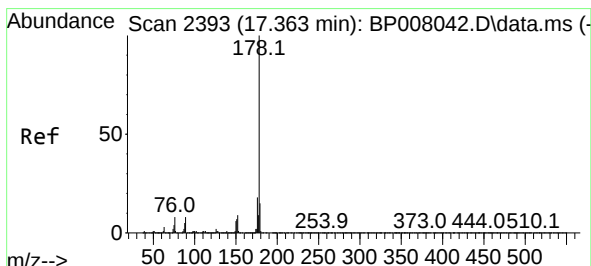
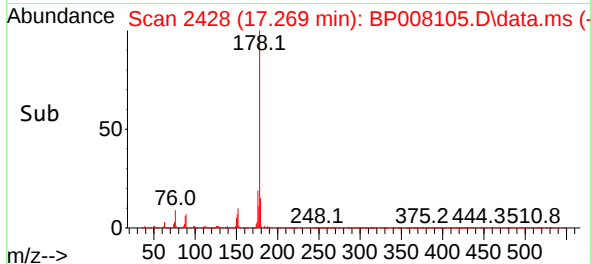
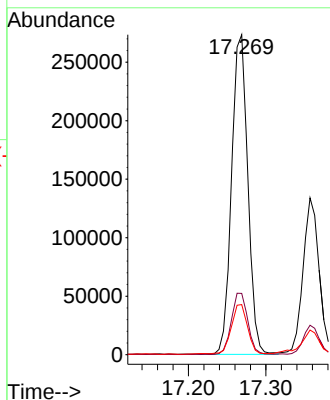
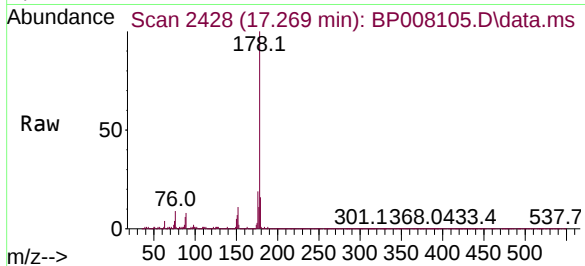




#71
Phenanthrene
Concen: 8.168 ng
RT: 17.269 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

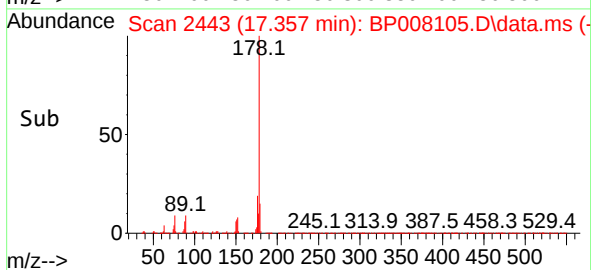
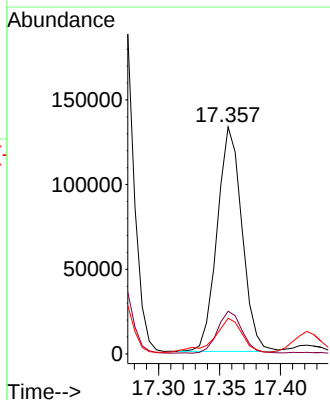
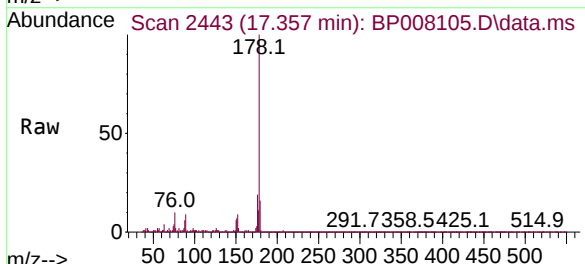
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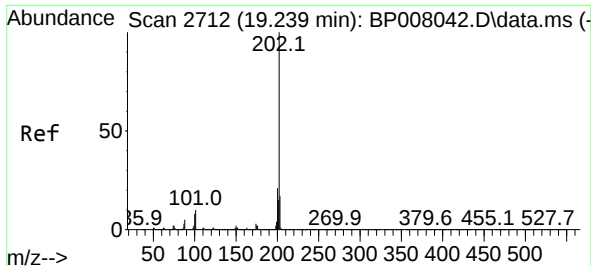
Tgt Ion:178 Resp: 398937
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.6 12.4 18.6



#72
Anthracene
Concen: 3.897 ng
RT: 17.357 min Scan# 2443
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:178 Resp: 188413
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.7 12.2 18.4

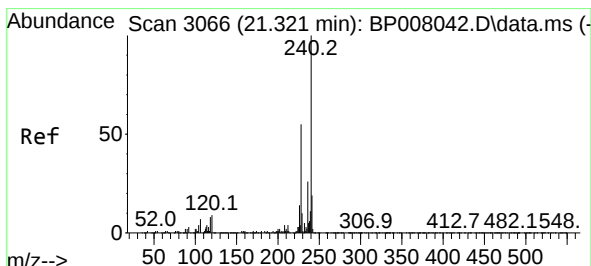
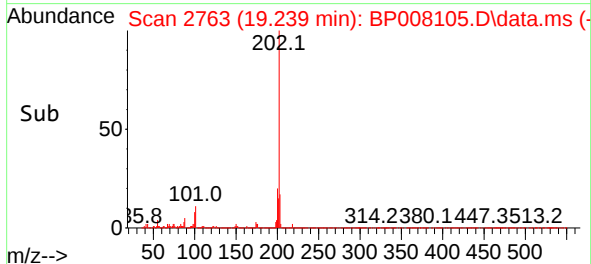
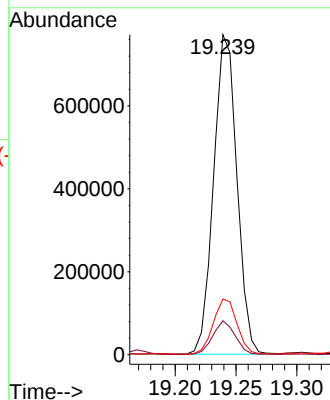
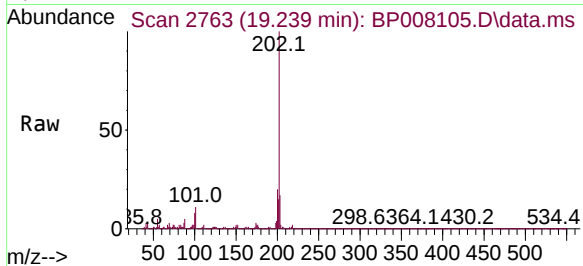




#75
Fluoranthene
Concen: 16.311 ng
RT: 19.239 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

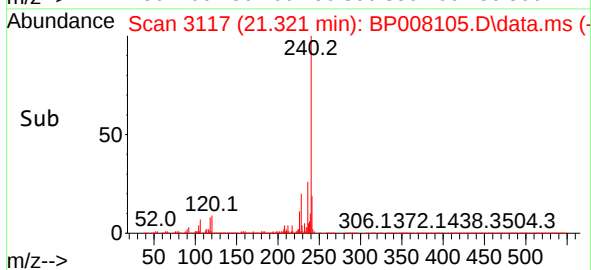
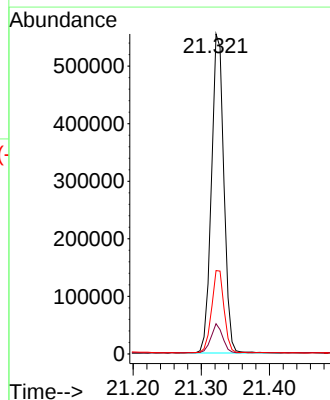
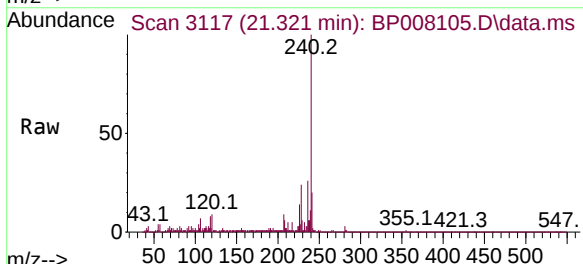
Instrument :
BNA_P
ClientSampleId :
EO-03-111921

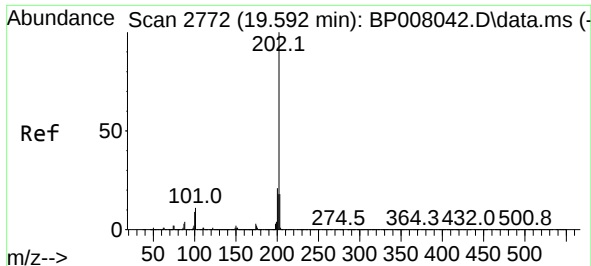
Tgt Ion:202 Resp: 1026750
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.5
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.321 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:240 Resp: 704073
Ion Ratio Lower Upper
240 100
120 9.5 7.4 11.2
236 26.0 21.0 31.4

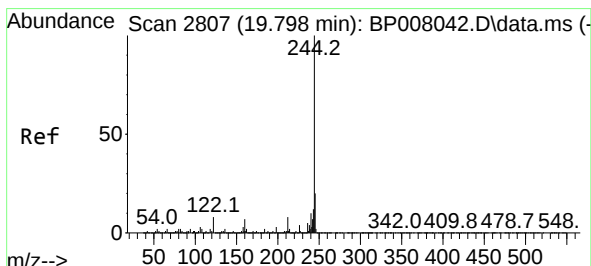
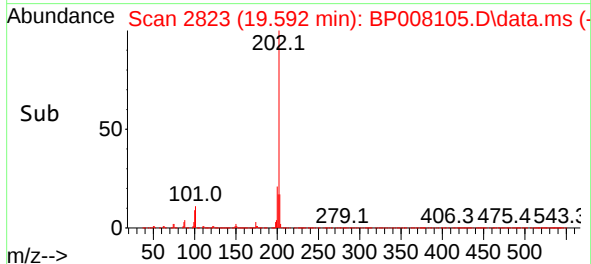
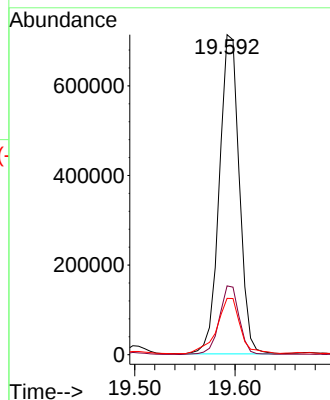
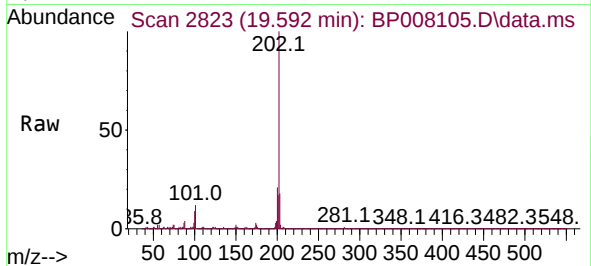




#78
Pyrene
Concen: 20.526 ng
RT: 19.592 min Scan# 2772
Delta R.T. 0.000 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

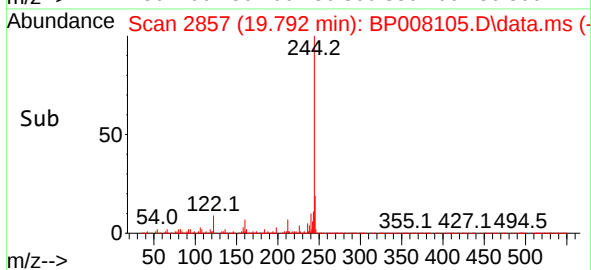
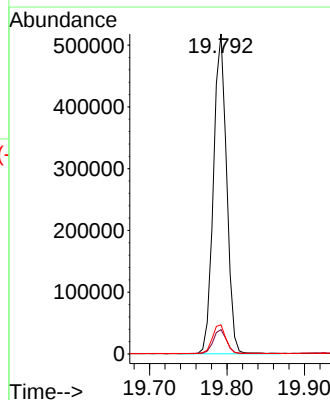
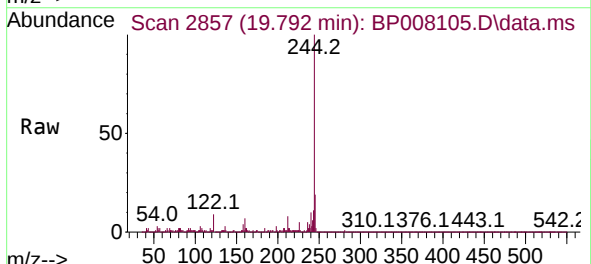
Instrument :
BNA_P
ClientSampleId :
EO-03-111921

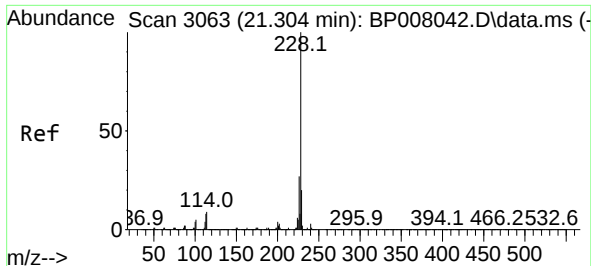
Tgt Ion:	202	Resp:	981401
Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.9	25.3
203	17.6	14.2	21.2



#79
Terphenyl-d14
Concen: 17.073 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:	244	Resp:	611389
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.3	9.5
122	9.1	6.1	9.1

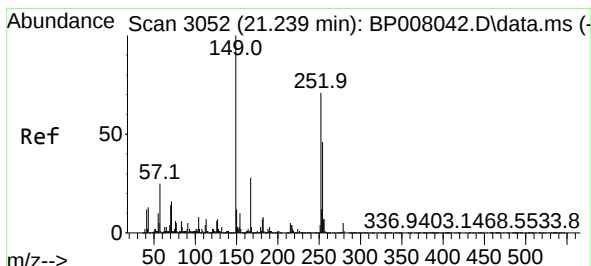
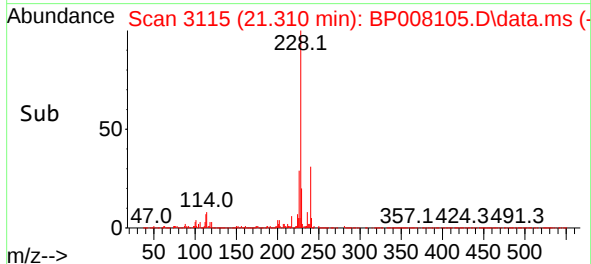
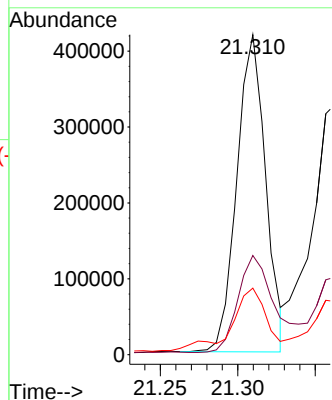
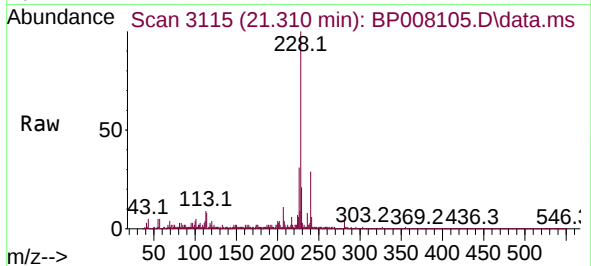




#81
Benzo(a)anthracene
Concen: 11.439 ng
RT: 21.310 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

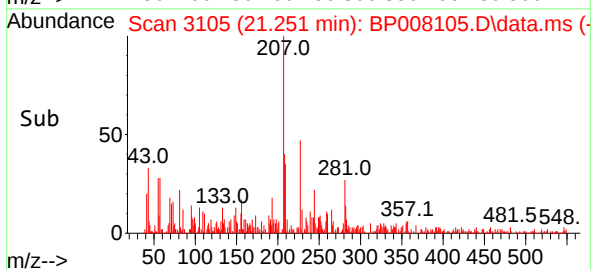
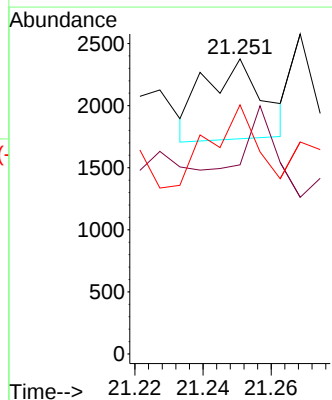
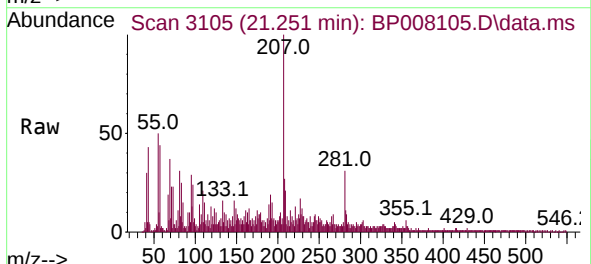
Instrument :
BNA_P
ClientSampleId :
EO-03-111921

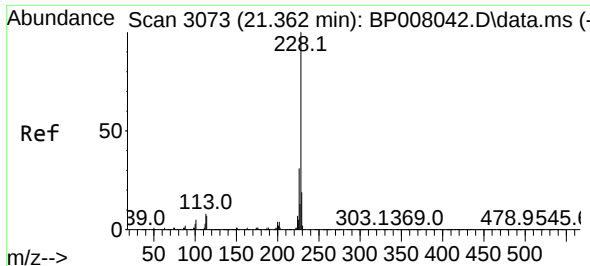
Tgt Ion:228 Resp: 540142
Ion Ratio Lower Upper
228 100
226 31.0 21.8 32.6
229 20.8 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: Below Cal
RT: 21.251 min Scan# 3105
Delta R.T. 0.012 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:252 Resp: 762
Ion Ratio Lower Upper
252 100
254 64.1 51.8 77.8
126 84.4 7.2 10.8#

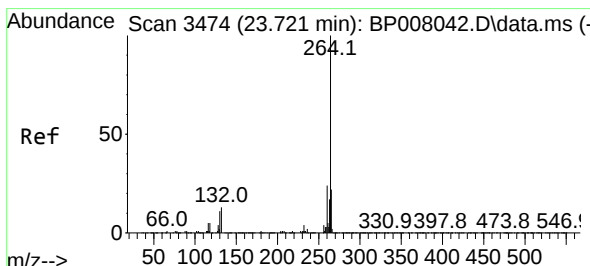
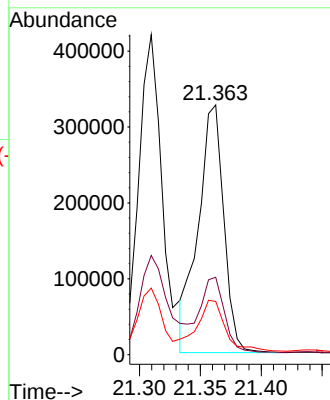
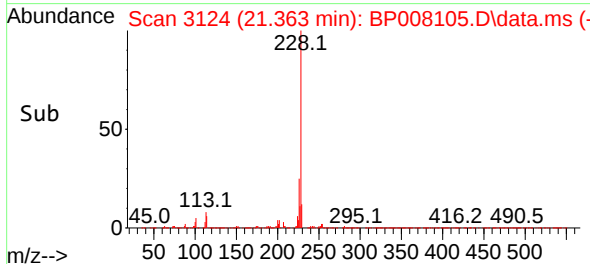
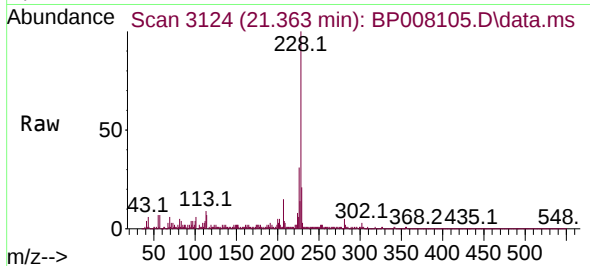




#83
Chrysene
Concen: 10.688 ng
RT: 21.363 min Scan# 3111
Delta R.T. 0.001 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

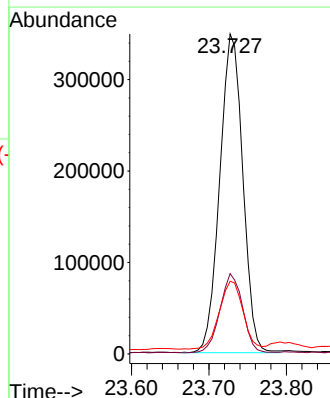
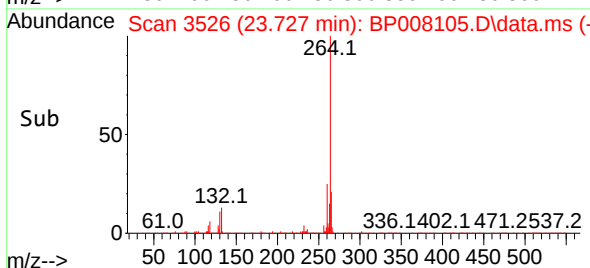
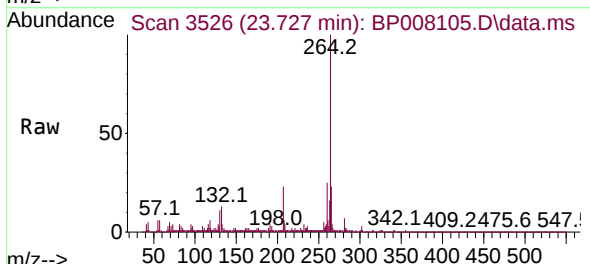
Instrument :
BNA_P
ClientSampleId :
EO-03-111921

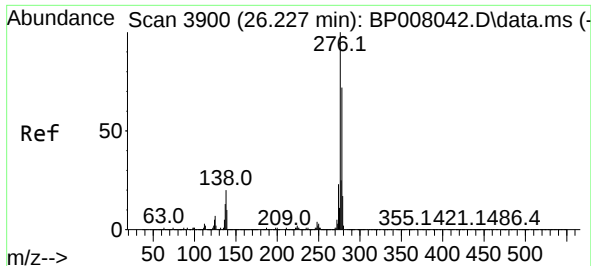
Tgt Ion:	228	Resp:	478906
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.5	36.7
229	21.3	15.5	23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3526
Delta R.T. 0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:	264	Resp:	720219
Ion Ratio	Lower	Upper	
264	100		
260	25.1	19.0	28.6
265	22.7	17.7	26.5

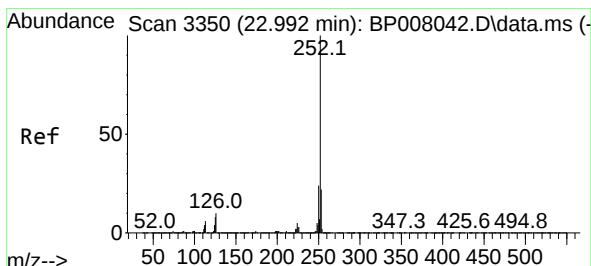
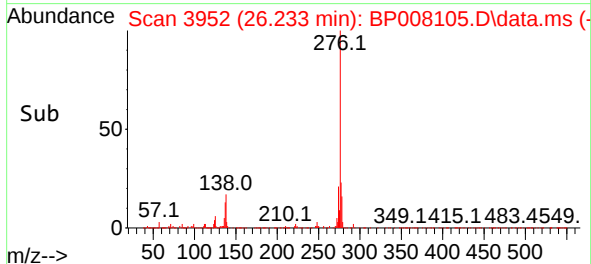
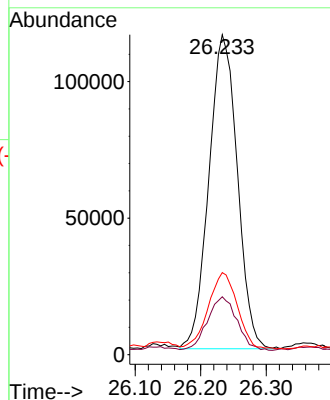
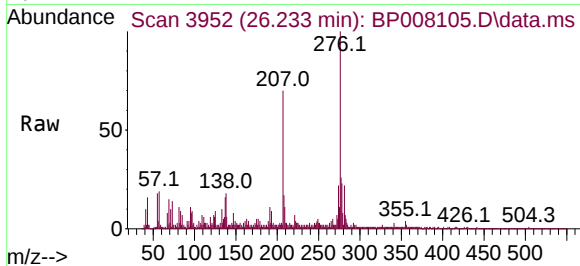




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.924 ng
 RT: 26.233 min Scan# 3402
 Delta R.T. 0.006 min
 Lab File: BP008105.D
 Acq: 23 Nov 2021 20:10

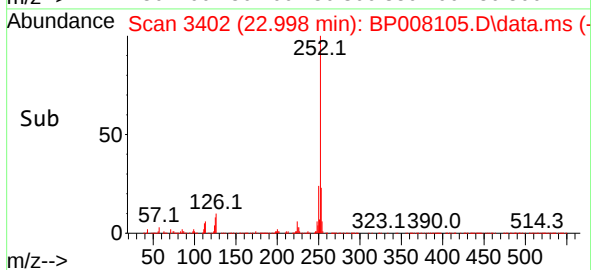
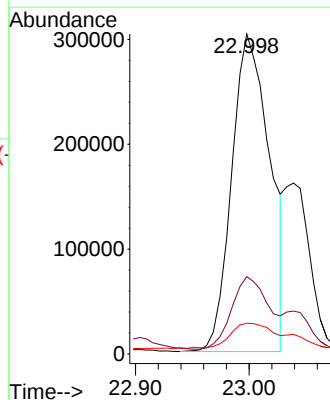
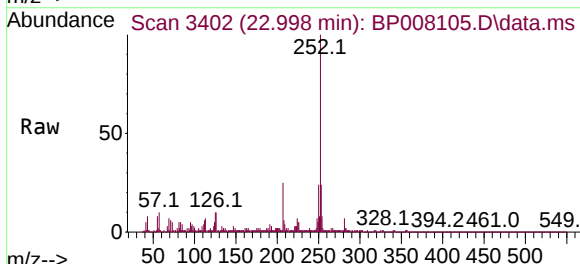
Instrument :
 BNA_P
 ClientSampleId :
 EO-03-111921

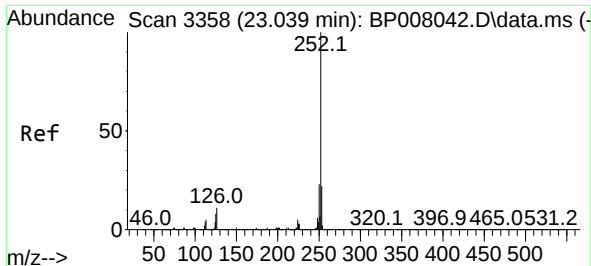
Tgt Ion:	276	Resp:	346039
Ion Ratio	Lower	Upper	
276	100		
138	17.6	16.5	24.7
277	25.0	20.2	30.4



#88
 Benzo(b)fluoranthene
 Concen: 15.669 ng
 RT: 22.998 min Scan# 3402
 Delta R.T. 0.006 min
 Lab File: BP008105.D
 Acq: 23 Nov 2021 20:10

Tgt Ion:	252	Resp:	705603
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.4	26.2
125	9.6	6.1	9.1

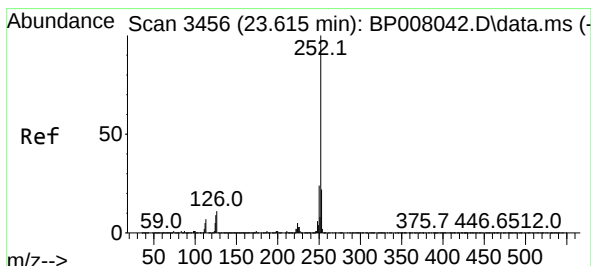
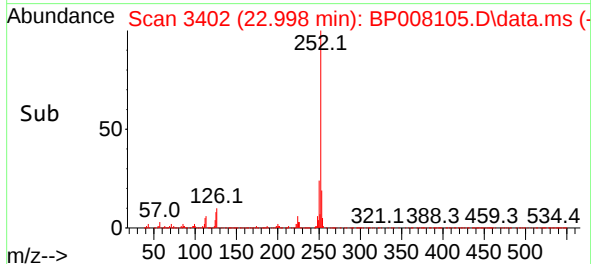
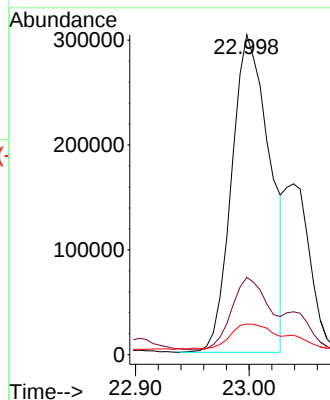
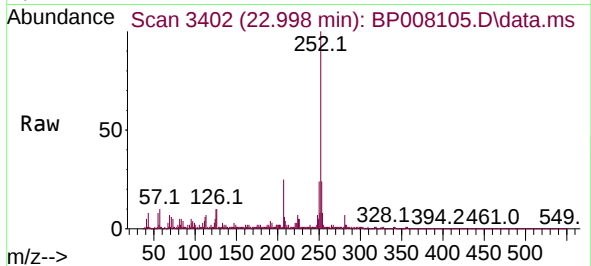




#89
Benzo(k)fluoranthene
Concen: 15.749 ng
RT: 22.998 min Scan# 34
Delta R.T. -0.041 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

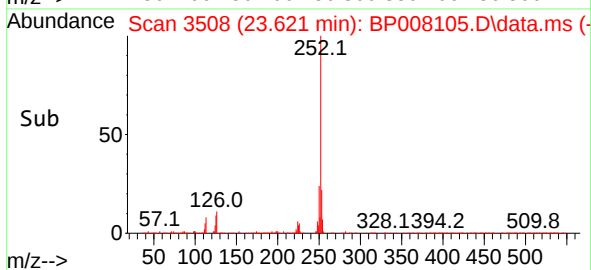
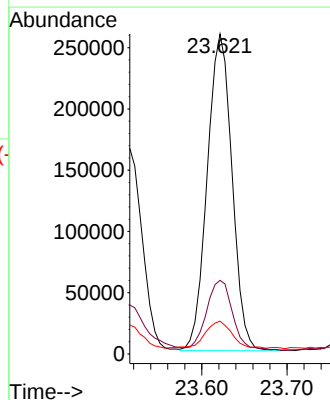
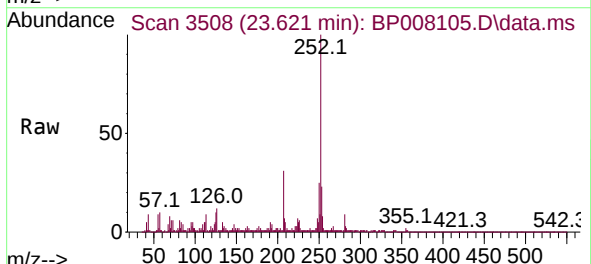
Instrument :
BNA_P
ClientSampleId :
EO-03-111921

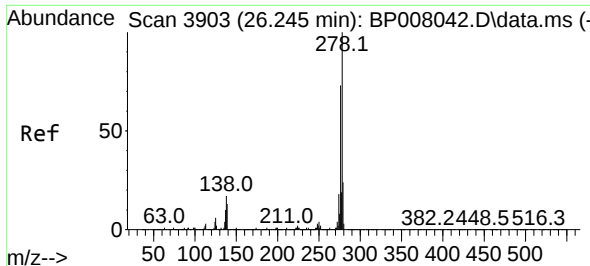
Tgt Ion:252 Resp: 705603
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 9.6 6.2 9.4#



#90
Benzo(a)pyrene
Concen: 13.853 ng
RT: 23.621 min Scan# 3508
Delta R.T. 0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:252 Resp: 522790
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 10.3 7.4 11.2

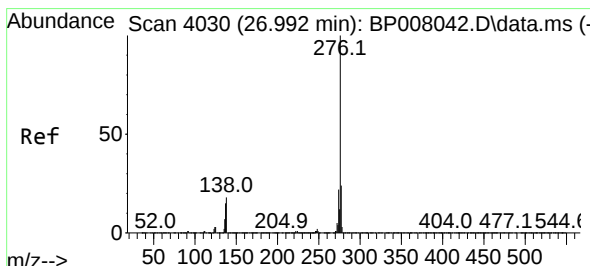
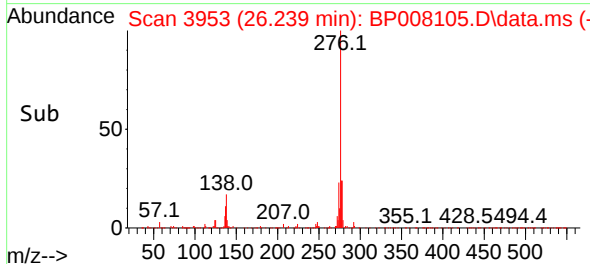
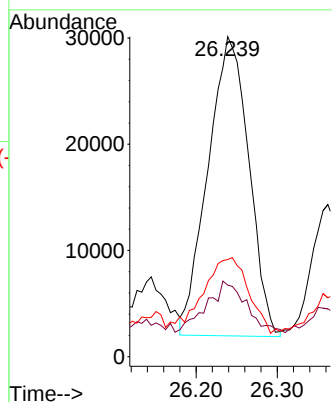
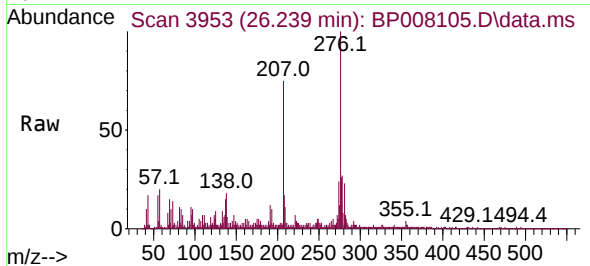




#91
Dibenzo(a,h)anthracene
Concen: 2.371 ng
RT: 26.239 min Scan# 3903
Delta R.T. -0.006 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Instrument :
BNA_P
ClientSampleId :
EO-03-111921

Tgt Ion:278 Resp: 98644
Ion Ratio Lower Upper
278 100
139 26.7 10.5 15.7#
279 30.3 18.8 28.2#



#92
Benzo(g,h,i)perylene
Concen: 7.747 ng
RT: 27.003 min Scan# 4083
Delta R.T. 0.011 min
Lab File: BP008105.D
Acq: 23 Nov 2021 20:10

Tgt Ion:276 Resp: 315697
Ion Ratio Lower Upper
276 100
277 23.9 19.0 28.6
138 18.2 14.2 21.2

