

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
 Data File : BM032407.D
 Acq On : 08 Oct 2021 23:34
 Operator : CG/JU
 Sample : M4136-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PSC124042

Quant Time: Oct 09 02:18:00 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 08 17:11:04 2021
 Response via : Initial Calibration

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

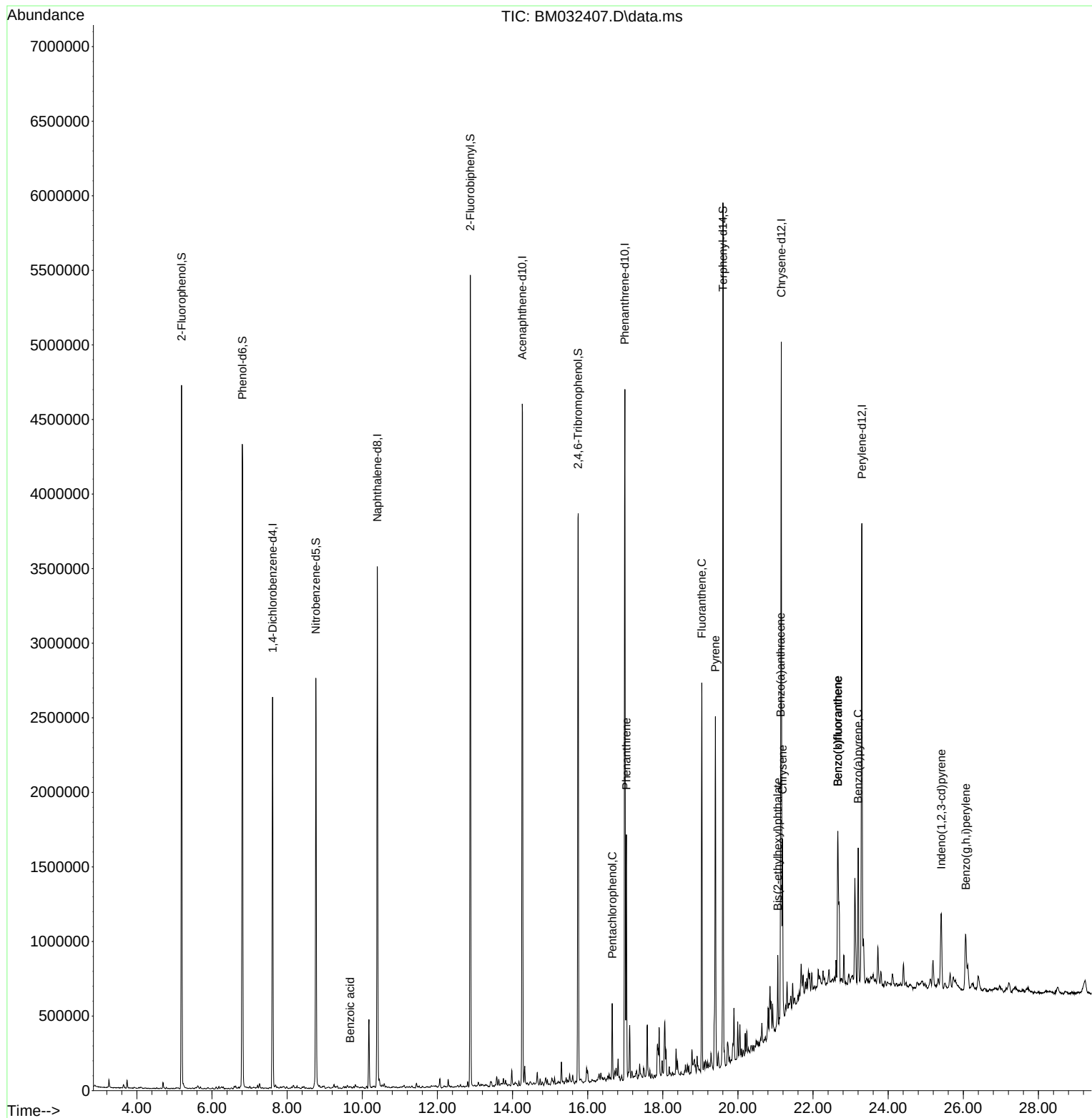
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	691193	20.000	ng	0.00
21) Naphthalene-d8	10.401	136	2726642	20.000	ng	# 0.00
39) Acenaphthene-d10	14.260	164	1569505	20.000	ng	0.00
64) Phenanthrene-d10	16.989	188	2678960	20.000	ng	0.00
76) Chrysene-d12	21.153	240	1870124	20.000	ng	0.00
86) Perylene-d12	23.300	264	2044394	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.190	112	1971960	48.070	ng	0.00
7) Phenol-d6	6.807	99	2545195	45.370	ng	0.00
23) Nitrobenzene-d5	8.766	82	1510668	30.814	ng	0.00
42) 2,4,6-Tribromophenol	15.748	330	674550	38.391	ng	0.00
45) 2-Fluorobiphenyl	12.877	172	2734005	25.900	ng	0.00
79) Terphenyl-d14	19.600	244	2694072	30.339	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.678	122	258	4.829	ng	# 68
70) Pentachlorophenol	16.654	266	76451	4.036	ng	98
71) Phenanthrene	17.030	178	895311	6.367	ng	99
75) Fluoranthene	19.036	202	1478736	9.484	ng	96
78) Pyrene	19.400	202	1342434	10.586	ng	99
81) Benzo(a)anthracene	21.136	228	623886	5.337	ng	97
83) Chrysene	21.189	228	618823	5.472	ng	99
84) Bis(2-ethylhexyl)phtha...	21.059	149	158631	2.443	ng	95
87) Indeno(1,2,3-cd)pyrene	25.412	276	416541	3.306	ng	99
88) Benzo(b)fluoranthene	22.659	252	1087650	8.746	ng	# 98
89) Benzo(k)fluoranthene	22.659	252	1087650	8.953	ng	# 97
90) Benzo(a)pyrene	23.200	252	604030	5.989	ng	96
92) Benzo(g,h,i)perylene	26.065	276	416944	3.971	ng	# 95

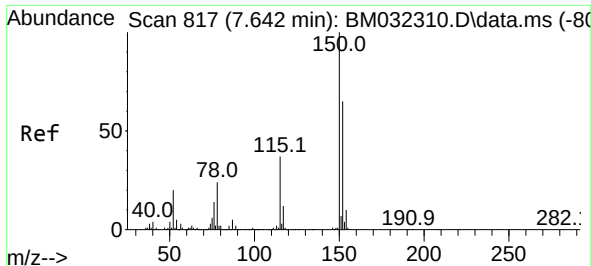
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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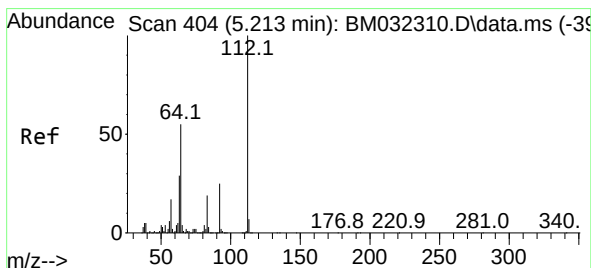
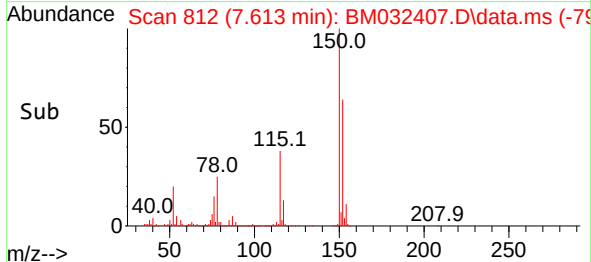
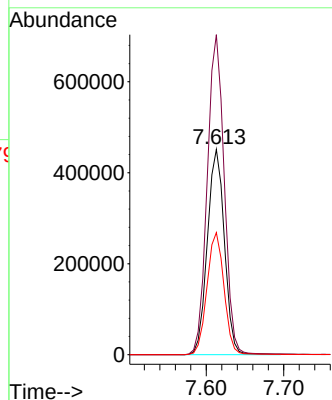
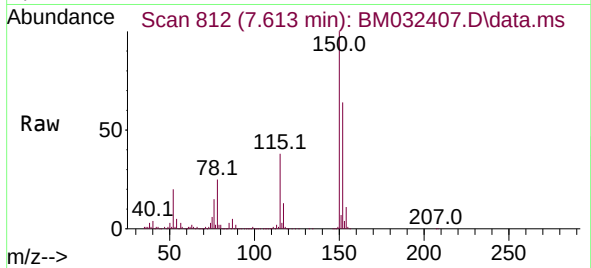




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 812
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

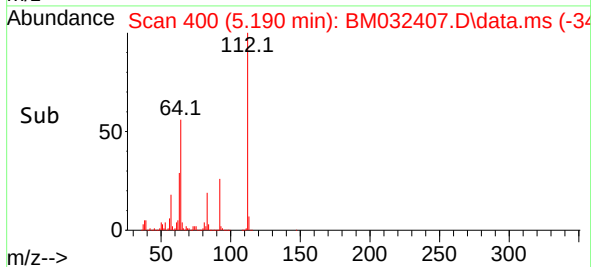
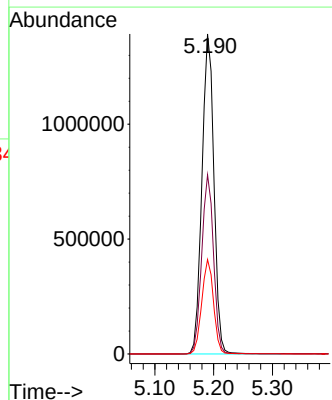
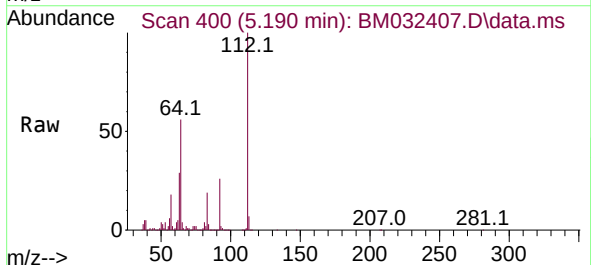
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BNA_M
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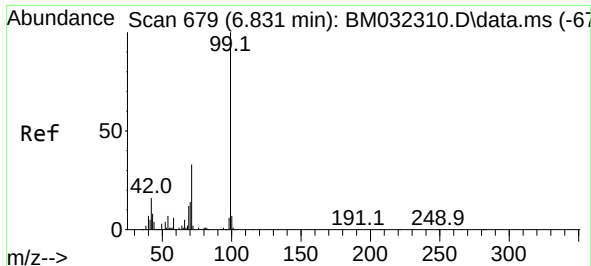
Tgt Ion:152 Resp: 691193
Ion Ratio Lower Upper
152 100
150 155.9 122.4 183.6
115 59.4 53.8 80.8



#5
2-Fluorophenol
Concen: 48.070 ng
RT: 5.190 min Scan# 400
Delta R.T. -0.000 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

Tgt Ion:112 Resp: 1971960
Ion Ratio Lower Upper
112 100
64 56.0 53.7 80.5
63 29.5 33.9 50.9#

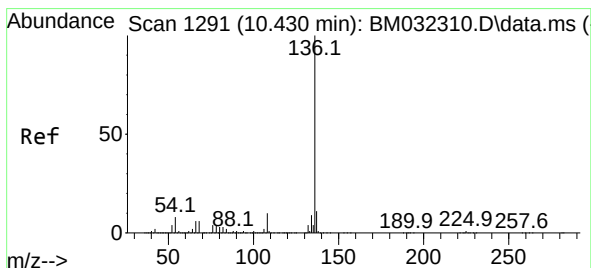
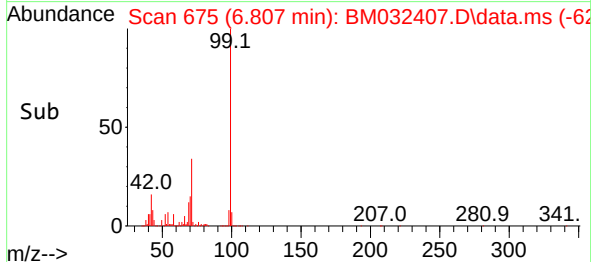
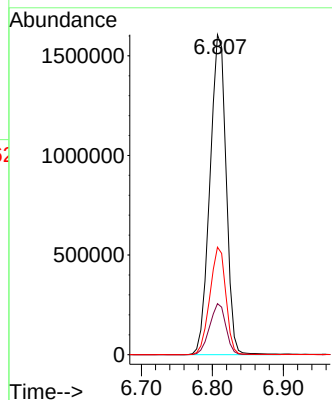
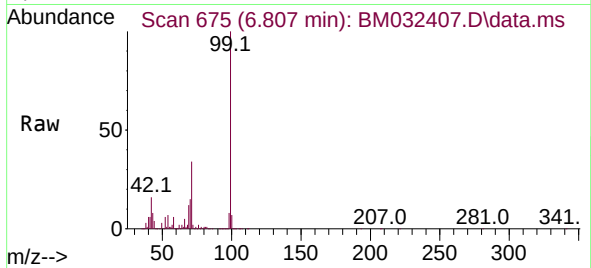




#7
Phenol-d6
Concen: 45.370 ng
RT: 6.807 min Scan# 675
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

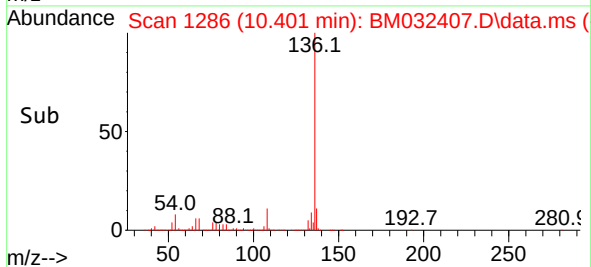
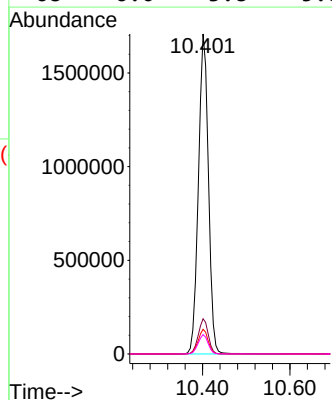
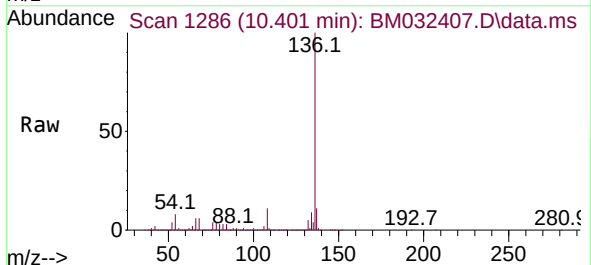
Instrument :
BNA_M
ClientSampleId :
PSC124042

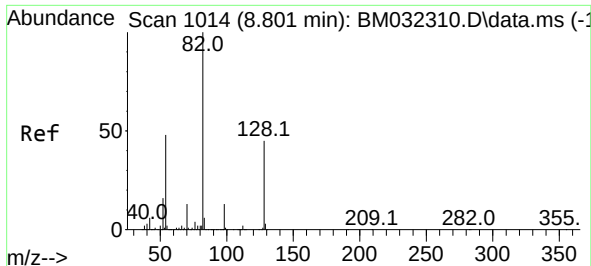
Tgt Ion: 99 Resp: 2545195
Ion Ratio Lower Upper
99 100
42 16.0 23.0 34.6#
71 33.6 37.8 56.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.401 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

Tgt Ion: 136 Resp: 2726642
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.7 7.4 11.0
68 6.0 3.8 5.8#

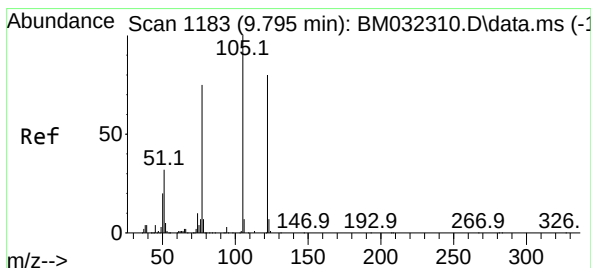
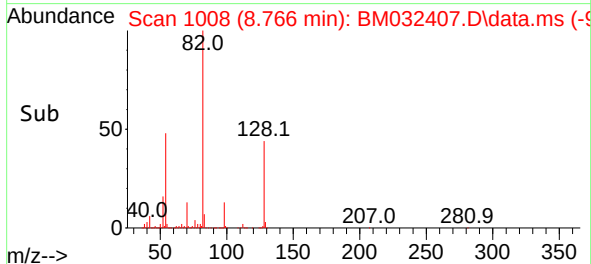
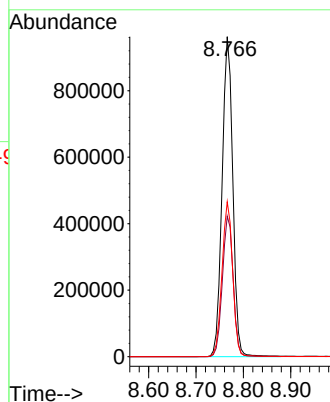
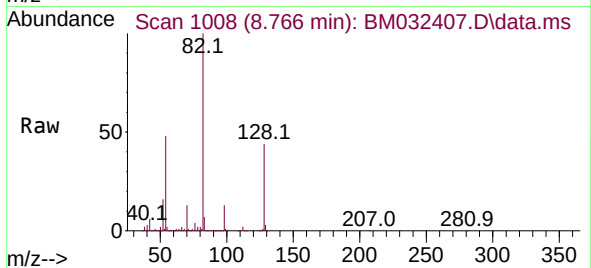




#23
Nitrobenzene-d5
Concen: 30.814 ng
RT: 8.766 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

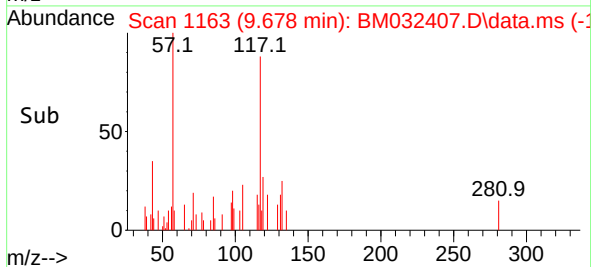
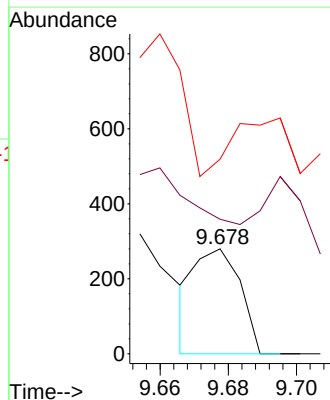
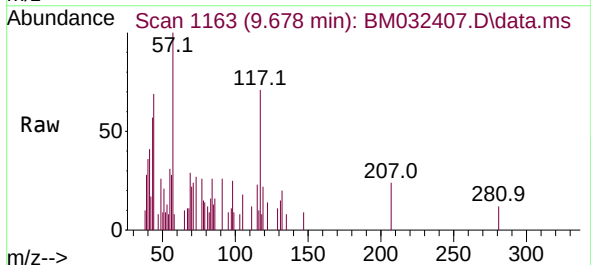
Instrument :
BNA_M
ClientSampleId :
PSC124042

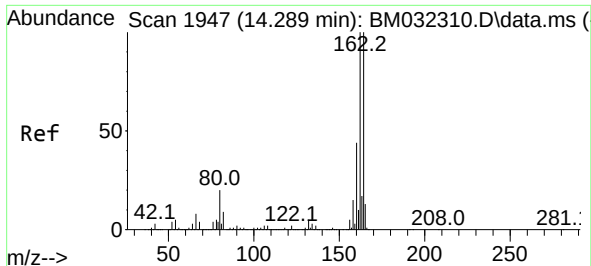
Tgt Ion: 82 Resp: 1510668
Ion Ratio Lower Upper
82 100
128 43.9 29.0 43.6#
54 48.4 45.8 68.8



#32
Benzoic acid
Concen: 4.829 ng
RT: 9.678 min Scan# 1163
Delta R.T. -0.094 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

Tgt Ion:122 Resp: 258
Ion Ratio Lower Upper
122 100
105 128.2 120.3 160.3
77 185.4 100.0 140.0#

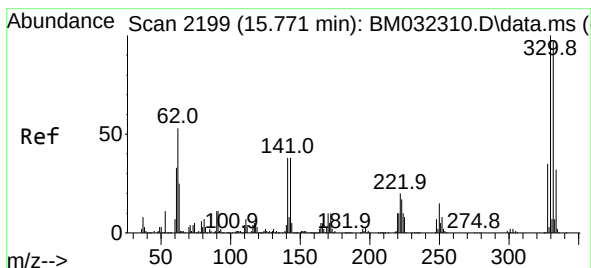
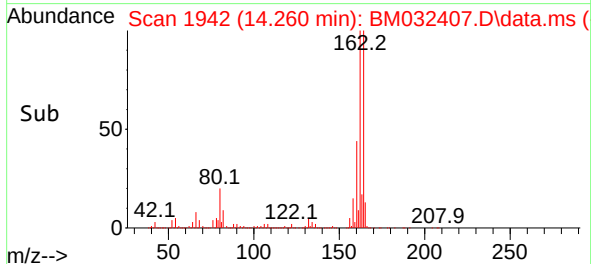
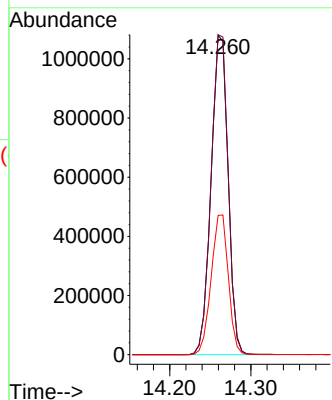
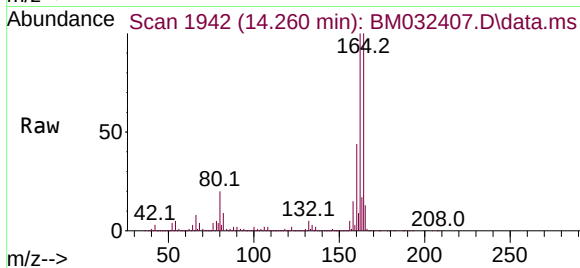




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

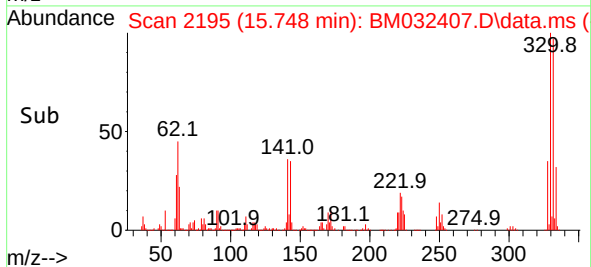
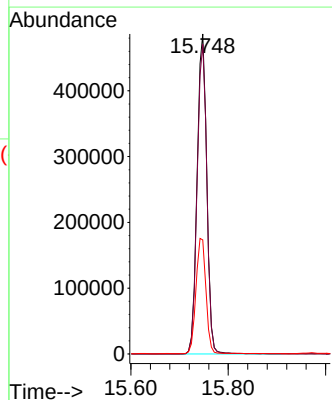
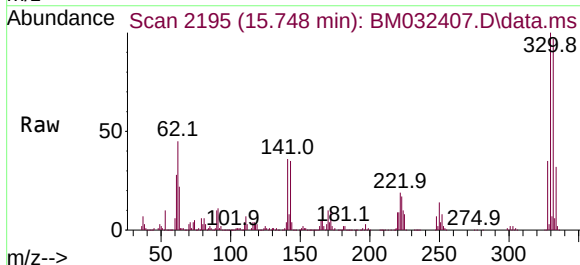
Instrument :
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ClientSampleId :
PSC124042

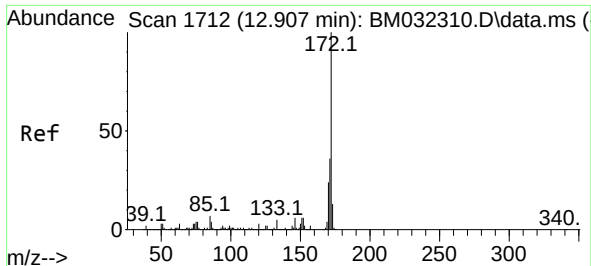
Tgt Ion:164 Resp: 1569505
Ion Ratio Lower Upper
164 100
162 100.2 80.6 121.0
160 43.7 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 38.391 ng
RT: 15.748 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

Tgt Ion:330 Resp: 674550
Ion Ratio Lower Upper
330 100
332 96.9 75.7 113.5
141 37.2 50.7 76.1#

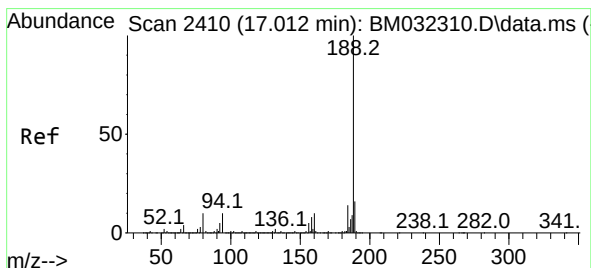
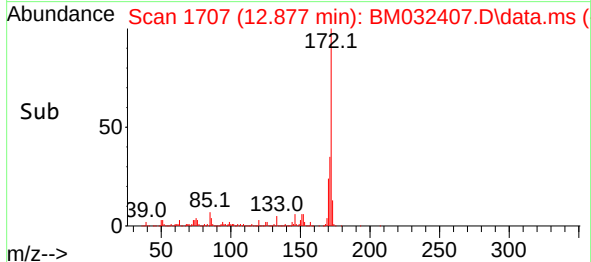
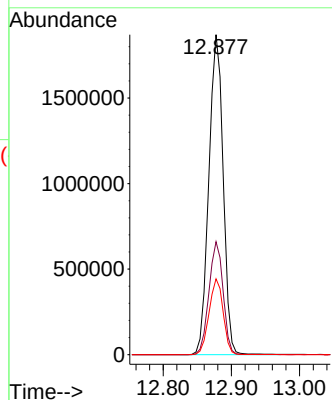
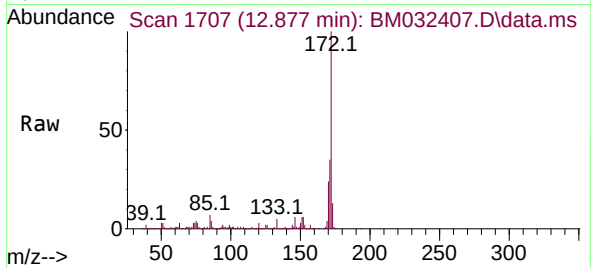




#45
2-Fluorobiphenyl
Concen: 25.900 ng
RT: 12.877 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

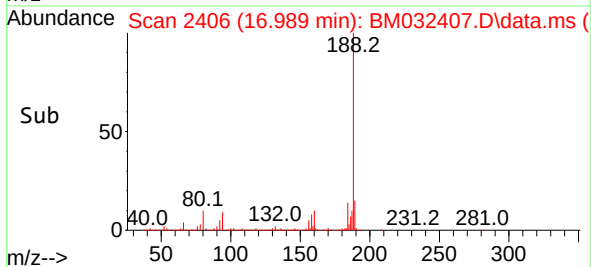
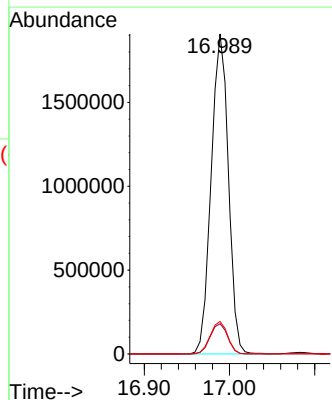
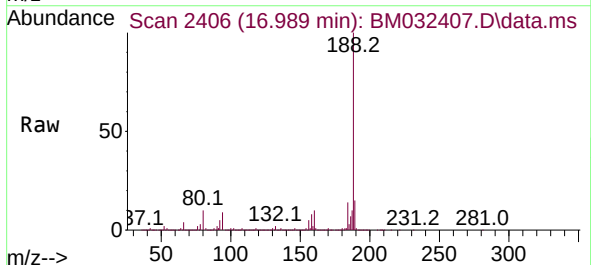
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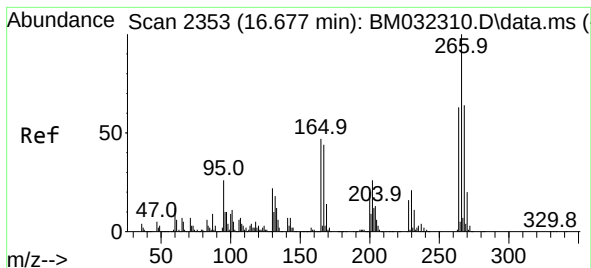
Tgt Ion:172 Resp: 2734005
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.7 18.6 27.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.989 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

Tgt Ion:188 Resp: 2678960
Ion Ratio Lower Upper
188 100
94 9.5 6.3 9.5
80 10.2 7.3 10.9

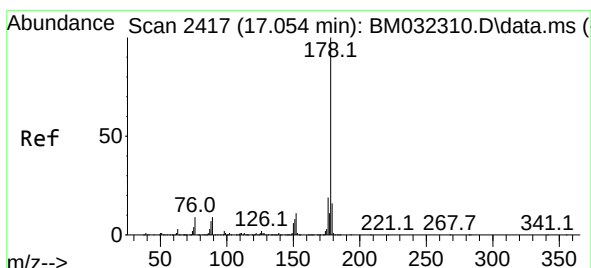
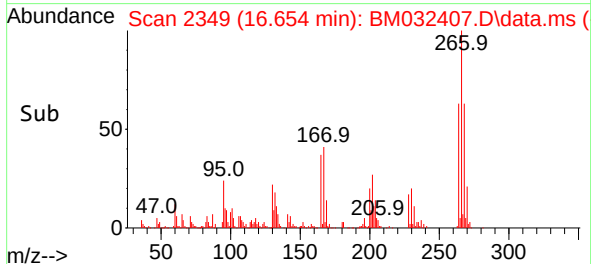
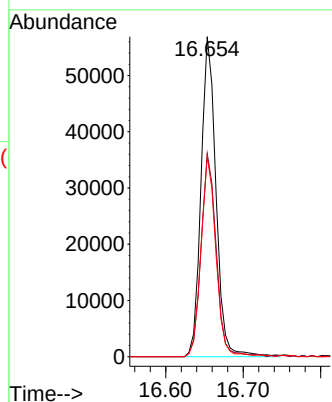
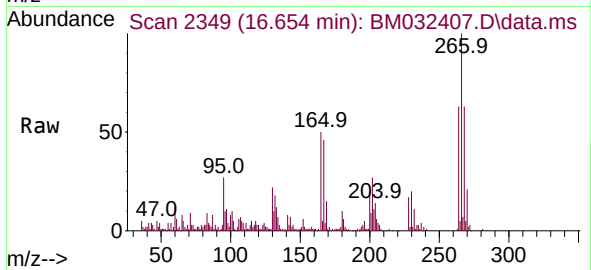




#70
 Pentachlorophenol
 Concen: 4.036 ng
 RT: 16.654 min Scan# 2349
 Delta R.T. -0.006 min
 Lab File: BM032407.D
 Acq: 08 Oct 2021 23:34

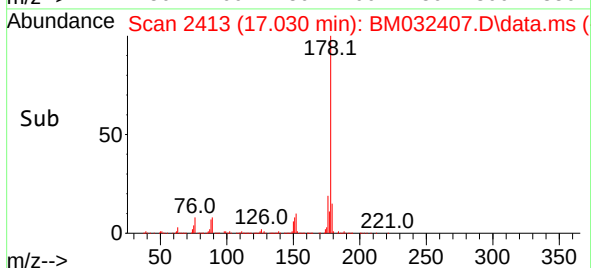
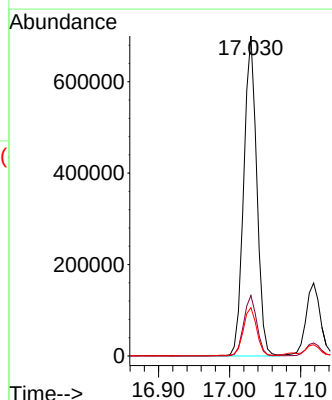
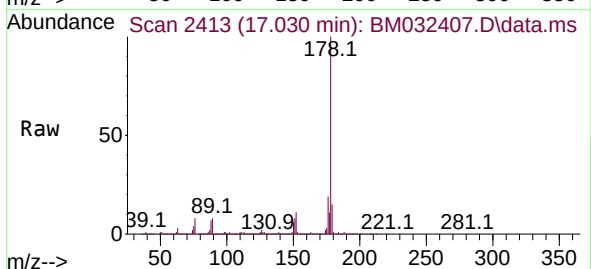
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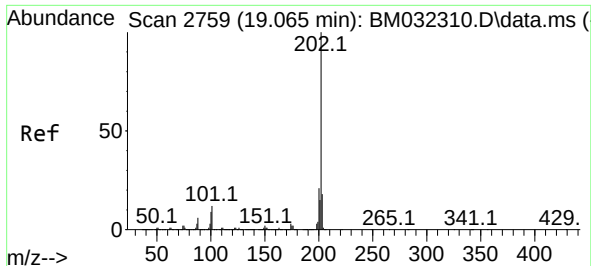
Tgt Ion:266 Resp: 76451
 Ion Ratio Lower Upper
 266 100
 268 63.5 50.3 75.5
 264 62.7 52.1 78.1



#71
 Phenanthrene
 Concen: 6.367 ng
 RT: 17.030 min Scan# 2413
 Delta R.T. -0.006 min
 Lab File: BM032407.D
 Acq: 08 Oct 2021 23:34

Tgt Ion:178 Resp: 895311
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.6 23.4
 179 15.1 12.4 18.6

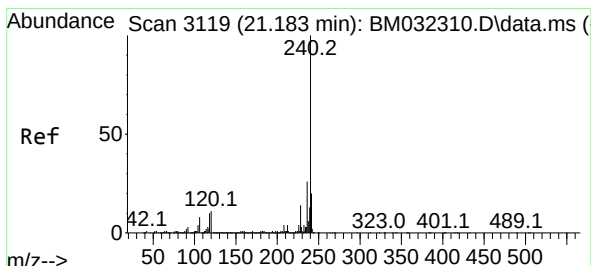
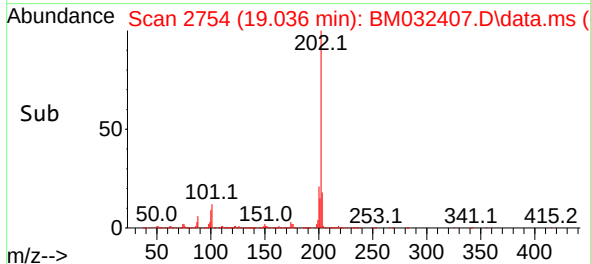
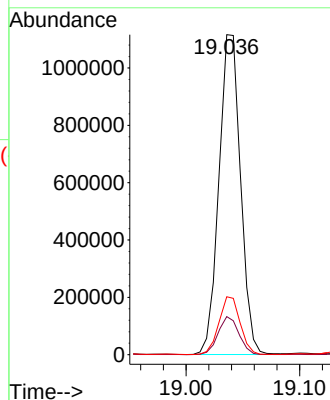
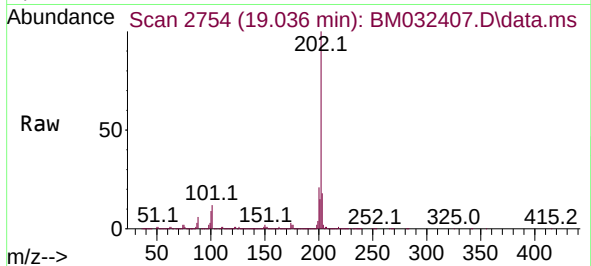




#75
Fluoranthene
Concen: 9.484 ng
RT: 19.036 min Scan# 2754
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

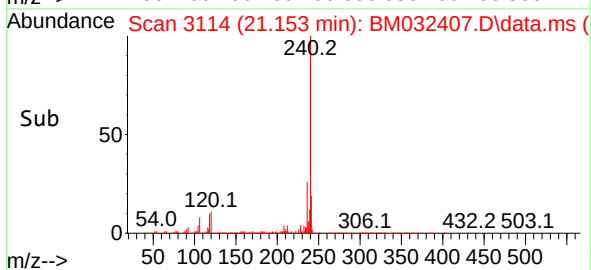
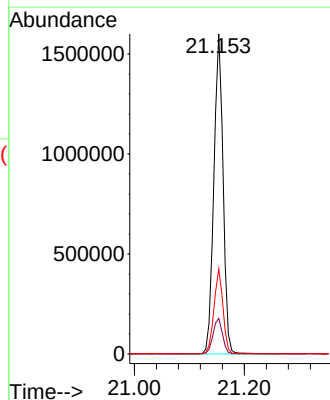
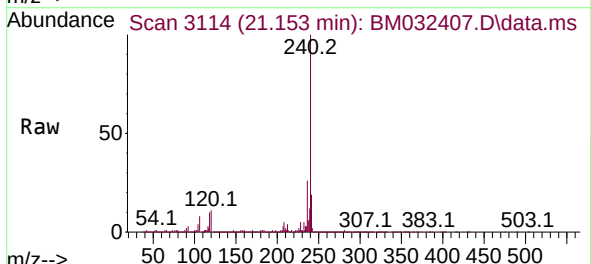
Instrument :
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ClientSampleId :
PSC124042

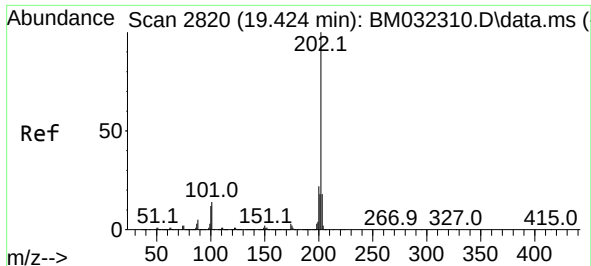
Tgt Ion:202 Resp: 1478736
Ion Ratio Lower Upper
202 100
101 11.9 0.0 29.9
203 18.1 0.0 36.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.153 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

Tgt Ion:240 Resp: 1870124
Ion Ratio Lower Upper
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120 11.1 7.8 11.6
236 26.5 20.9 31.3

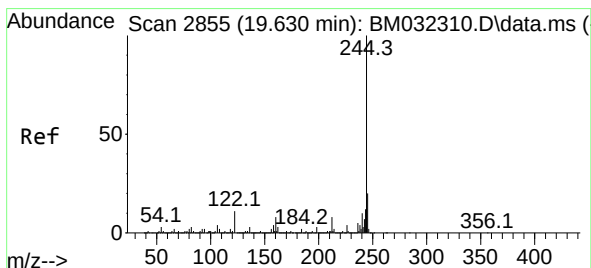
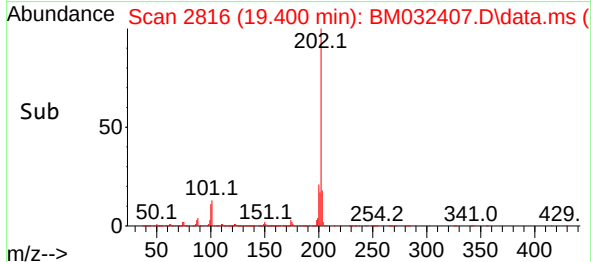
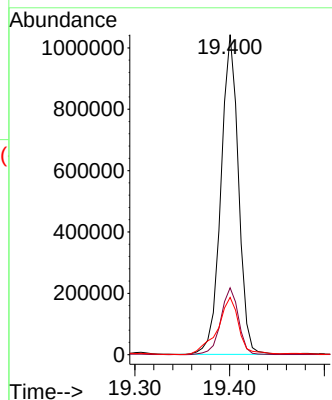
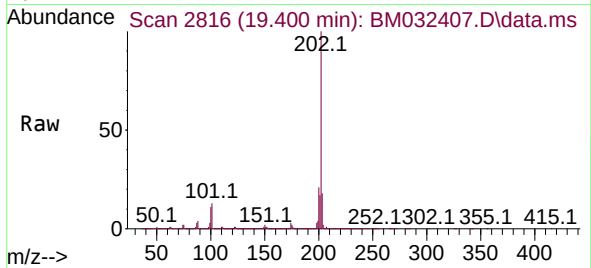




#78
Pyrene
Concen: 10.586 ng
RT: 19.400 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

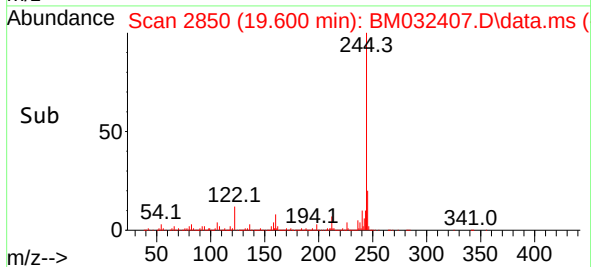
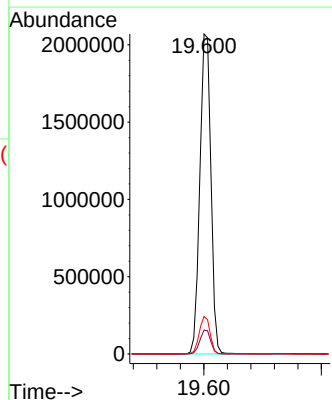
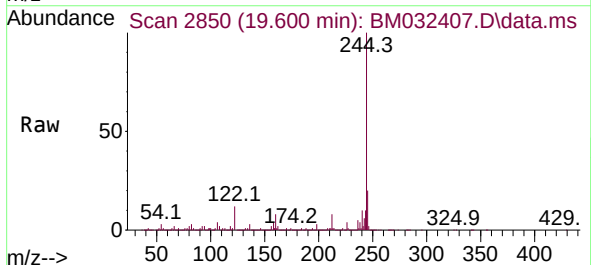
Instrument :
BNA_M
ClientSampleId :
PSC124042

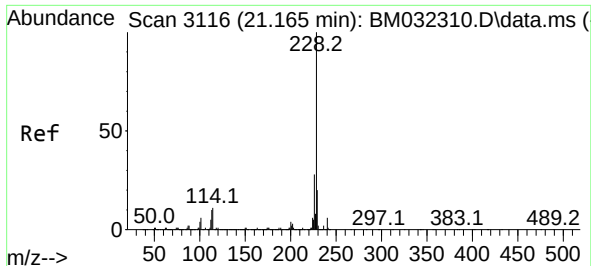
Tgt Ion:202 Resp: 1342434
Ion Ratio Lower Upper
202 100
200 20.9 16.6 25.0
203 17.9 13.7 20.5



#79
Terphenyl-d14
Concen: 30.339 ng
RT: 19.600 min Scan# 2850
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

Tgt Ion:244 Resp: 2694072
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 11.7 8.7 13.1

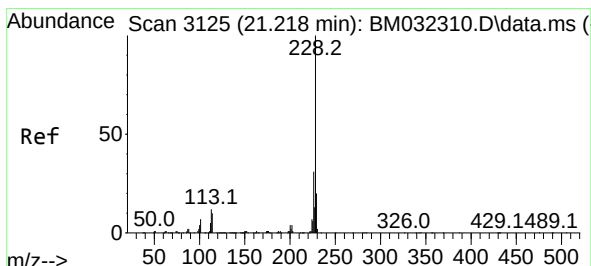
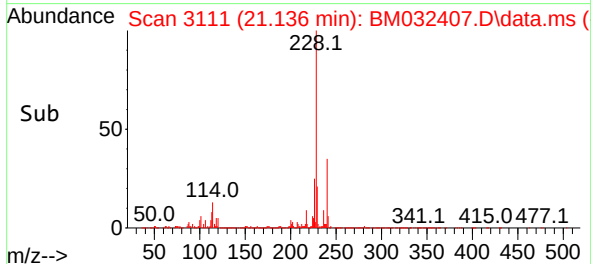
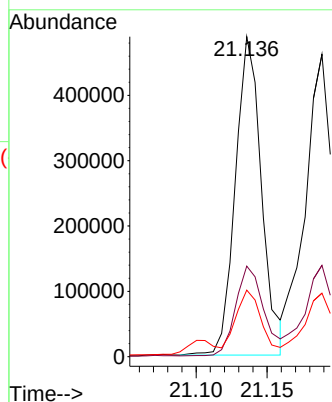
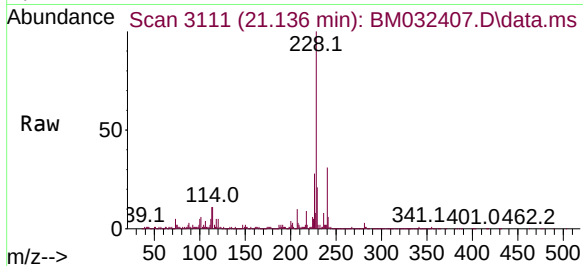




#81
Benzo(a)anthracene
Concen: 5.337 ng
RT: 21.136 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

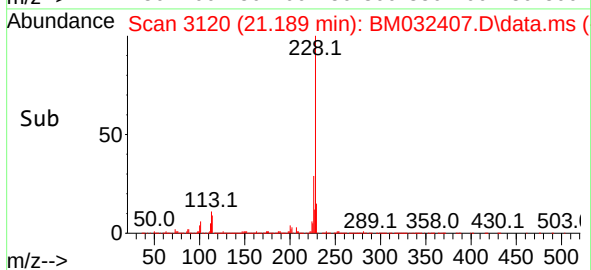
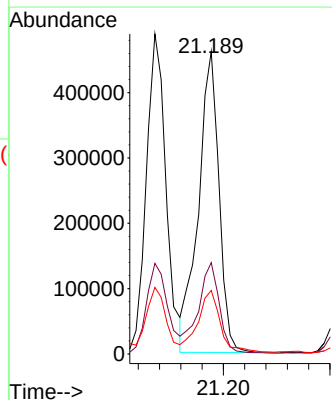
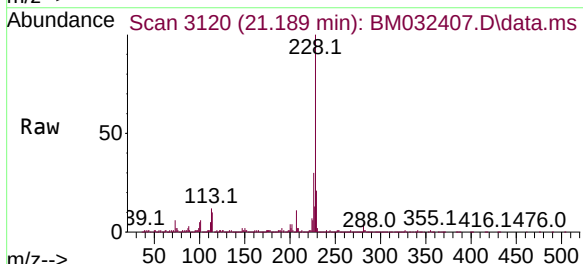
Instrument :
BNA_M
ClientSampleId :
PSC124042

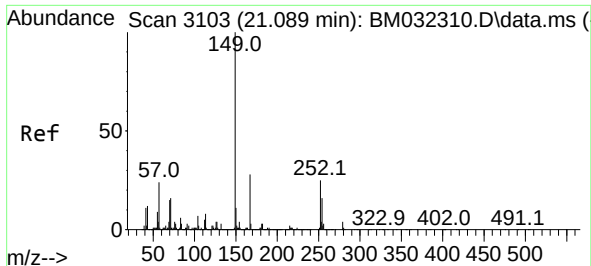
Tgt Ion:228 Resp: 623886
Ion Ratio Lower Upper
228 100
226 28.3 21.4 32.2
229 20.8 15.3 22.9



#83
Chrysene
Concen: 5.472 ng
RT: 21.189 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

Tgt Ion:228 Resp: 618823
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 21.0 16.0 24.0

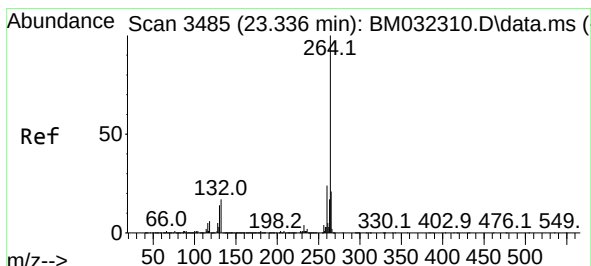
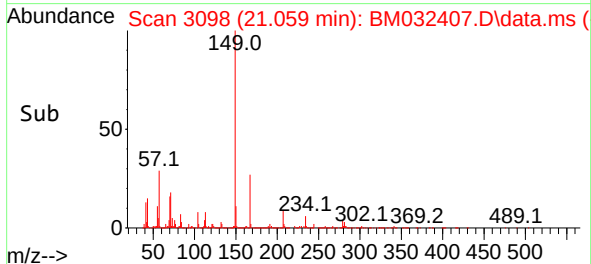
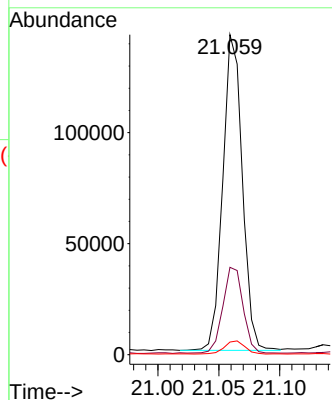
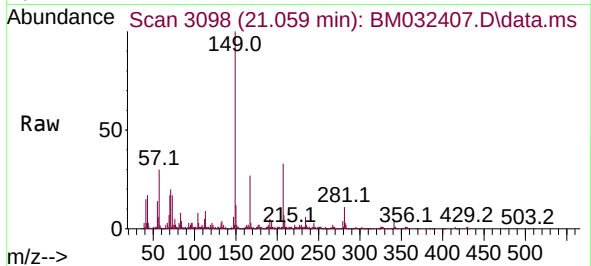




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.443 ng
RT: 21.059 min Scan# 3098
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

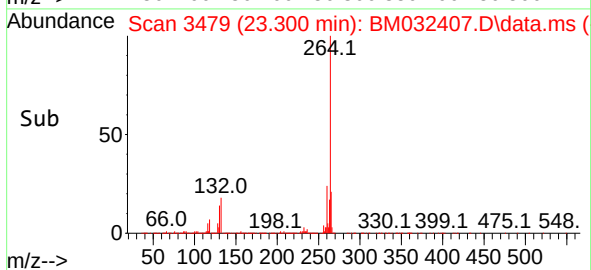
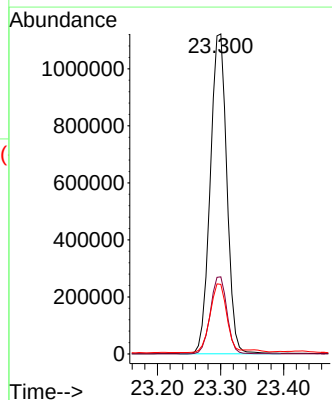
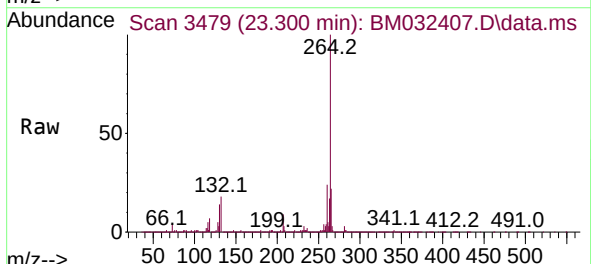
Instrument :
BNA_M
ClientSampleId :
PSC124042

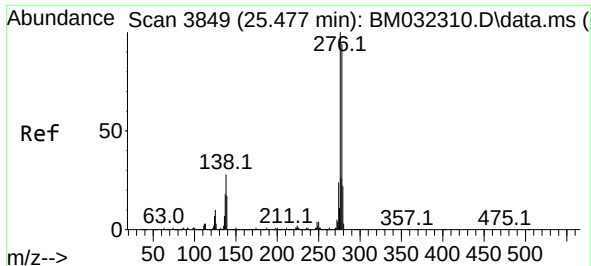
Tgt Ion:149 Resp: 158631
Ion Ratio Lower Upper
149 100
167 27.3 19.7 29.5
279 4.0 2.6 4.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.300 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

Tgt Ion:264 Resp: 2044394
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 21.8 18.3 27.5

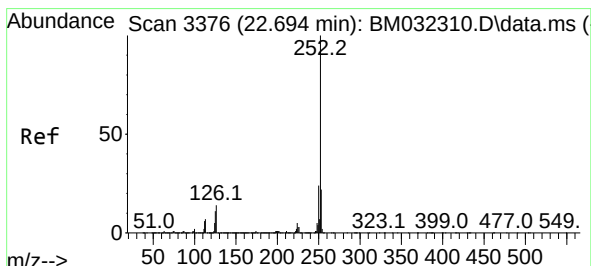
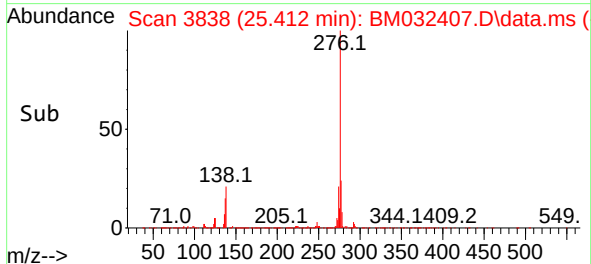
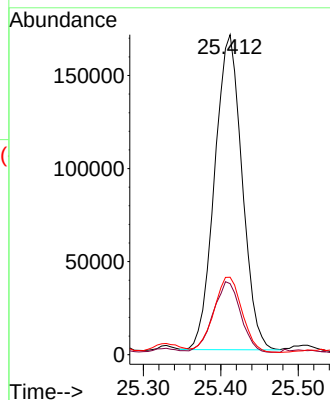
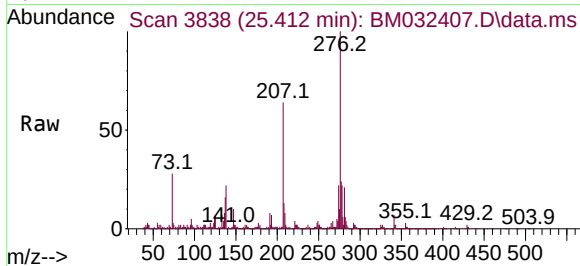




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.306 ng
RT: 25.412 min Scan# 3838
Delta R.T. -0.018 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

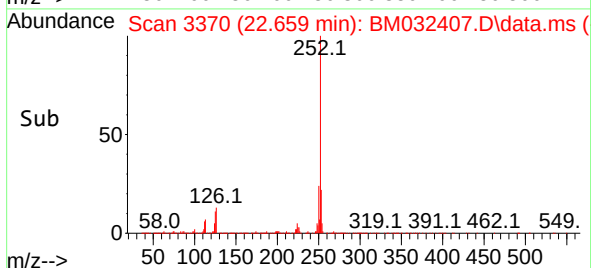
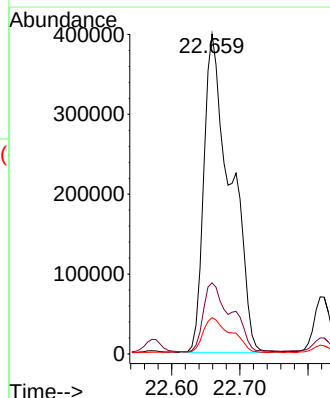
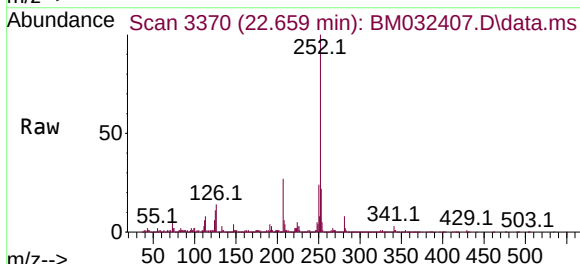
Instrument :
BNA_M
ClientSampleId :
PSC124042

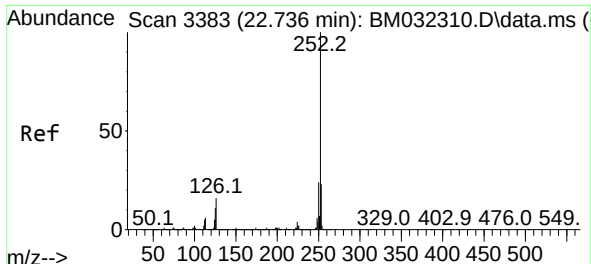
Tgt Ion:	276	Resp:	416541
Ion Ratio	Lower	Upper	
276	100		
138	22.4	18.4	27.6
277	24.8	20.1	30.1



#88
Benzo(b)fluoranthene
Concen: 8.746 ng
RT: 22.659 min Scan# 3370
Delta R.T. -0.006 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

Tgt Ion:	252	Resp:	1087650
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.0	27.0
125	11.3	7.5	11.3#

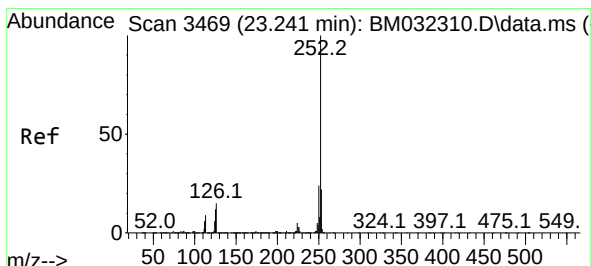
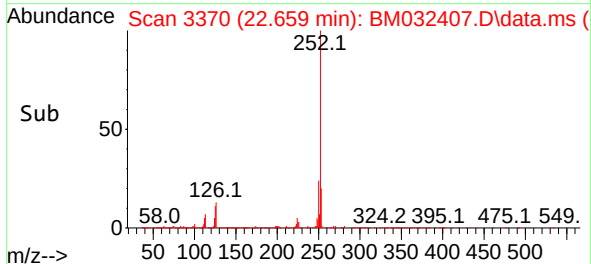
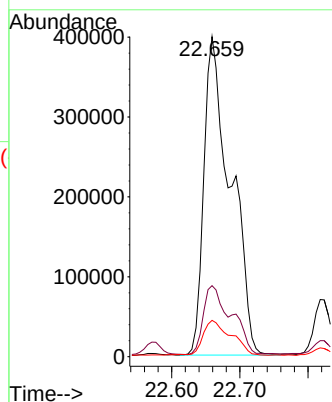
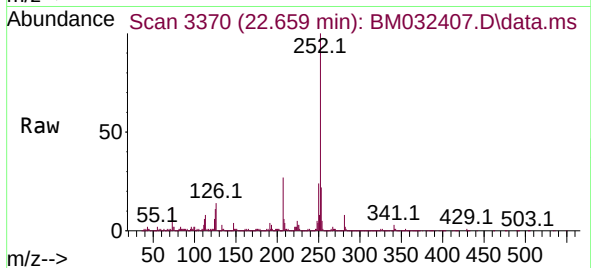




#89
Benzo(k)fluoranthene
Concen: 8.953 ng
RT: 22.659 min Scan# 3370
Delta R.T. -0.047 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

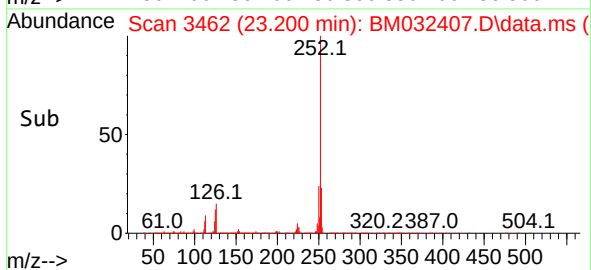
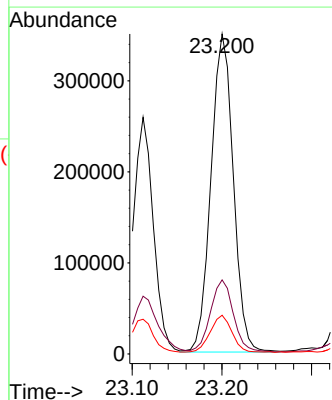
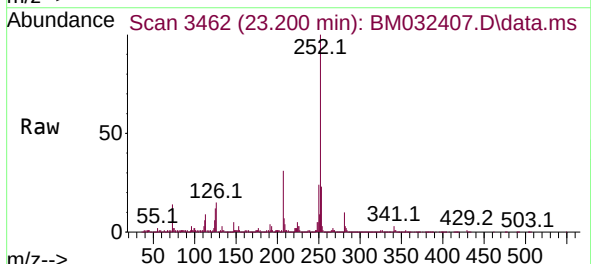
Instrument :
BNA_M
ClientSampleId :
PSC124042

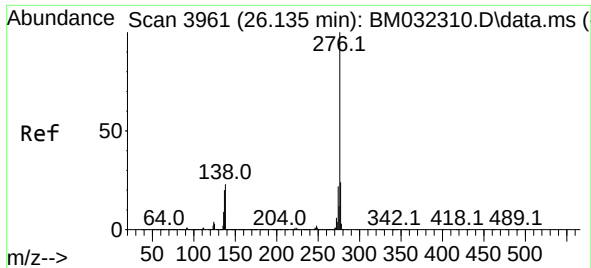
Tgt Ion:252 Resp: 1087650
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 11.3 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 5.989 ng
RT: 23.200 min Scan# 3462
Delta R.T. -0.012 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

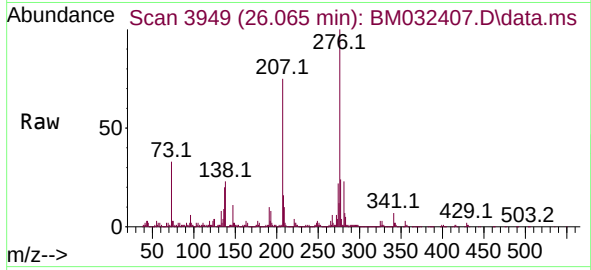
Tgt Ion:252 Resp: 604030
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 12.1 8.1 12.1





#92
Benzo(g,h,i)perylene
Concen: 3.971 ng
RT: 26.065 min Scan# 3949
Delta R.T. -0.018 min
Lab File: BM032407.D
Acq: 08 Oct 2021 23:34

Instrument :
BNA_M
ClientSampleId :
PSC124042



Tgt Ion:	276	Resp:	416944
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.4	29.0
138	22.5	14.6	22.0#

