

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120621\
 Data File : BP008239.D
 Acq On : 06 Dec 2021 21:00
 Operator : CG/JU
 Sample : M4920-01DL 25X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 07 05:12:14 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 03 14:39:24 2021
 Response via : Initial Calibration

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

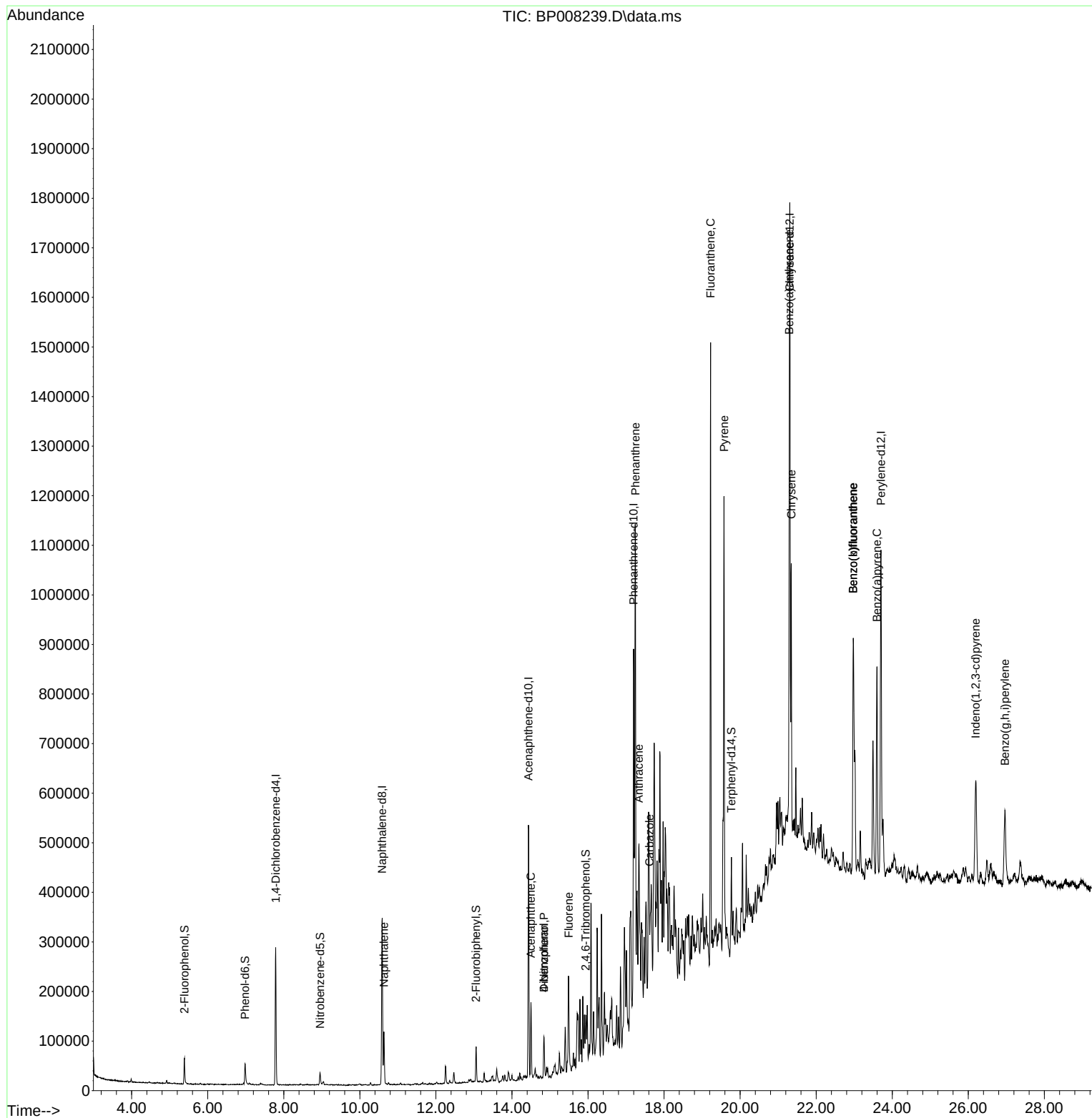
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	72217	20.000	ng	-0.01
21) Naphthalene-d8	10.587	136	270644	20.000	ng	-0.01
39) Acenaphthene-d10	14.434	164	176512	20.000	ng	-0.01
64) Phenanthrene-d10	17.198	188	406874	20.000	ng	-0.01
76) Chrysene-d12	21.304	240	473967	20.000	ng	-0.01
86) Perylene-d12	23.704	264	521159	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	22881	5.101	ng	0.00
7) Phenol-d6	6.981	99	27473	4.537	ng	0.00
23) Nitrobenzene-d5	8.952	82	15882	2.668	ng	-0.01
42) 2,4,6-Tribromophenol	15.940	330	11379	5.044	ng	-0.01
45) 2-Fluorobiphenyl	13.057	172	38285	3.151	ng	-0.01
79) Terphenyl-d14	19.769	244	77969	3.438	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.934	77	191	Below Cal	#	65
31) Naphthalene	10.634	128	81077	5.848	ng	98
52) Acenaphthene	14.498	154	50827	5.466	ng	100
55) Dibenzofuran	14.840	168	48968	3.082	ng	98
56) 4-Nitrophenol	14.840	139	19413	9.085	ng	# 2
58) Fluorene	15.493	166	60556	4.691	ng	99
71) Phenanthrene	17.245	178	534935	24.901	ng	99
72) Anthracene	17.334	178	145375	6.819	ng	99
73) Carbazole	17.616	167	63519	3.052	ng	100
75) Fluoranthene	19.222	202	684204	23.643	ng	96
78) Pyrene	19.575	202	550934	16.836	ng	98
81) Benzo(a)anthracene	21.292	228	373822	11.900	ng	99
83) Chrysene	21.345	228	310366	10.383	ng	97
87) Indeno(1,2,3-cd)pyrene	26.192	276	220528	5.816	ng	# 94
88) Benzo(b)fluoranthene	22.974	252	441346	14.048	ng	99
89) Benzo(k)fluoranthene	22.974	252	441346	14.349	ng	98
90) Benzo(a)pyrene	23.598	252	318012	11.843	ng	98
92) Benzo(g,h,i)perylene	26.962	276	208104	6.551	ng	97

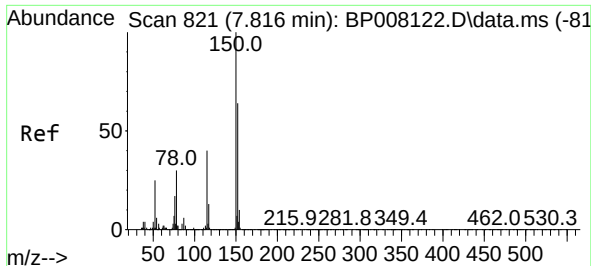
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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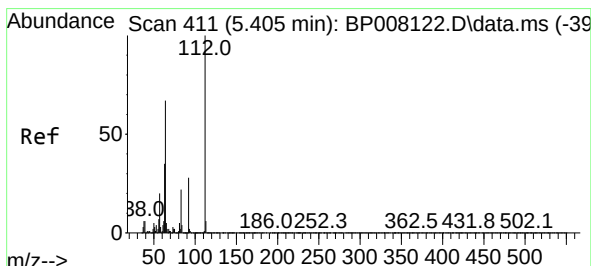
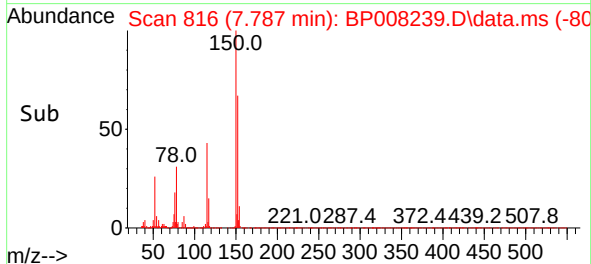
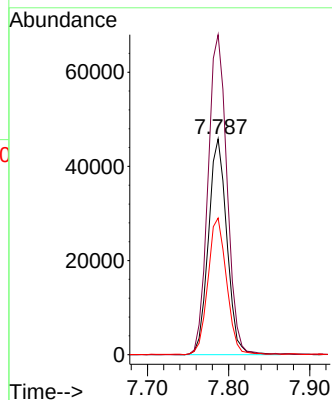
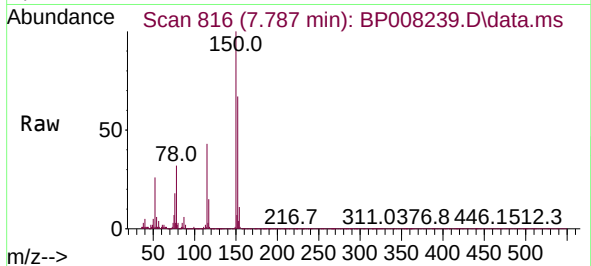




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

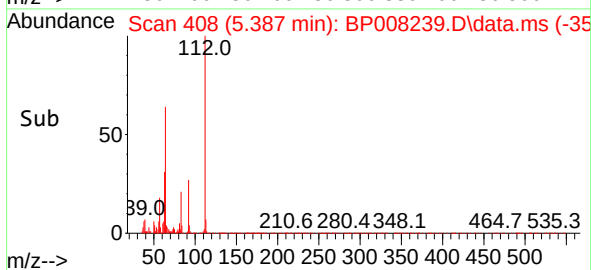
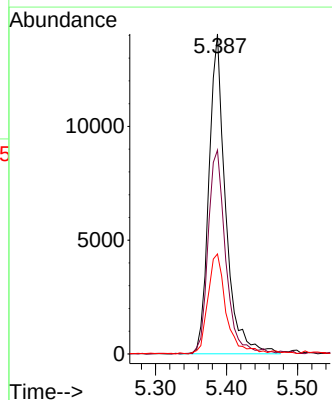
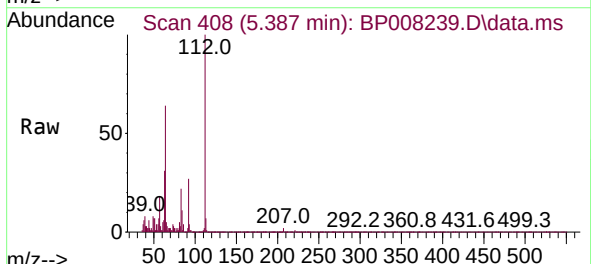
Instrument :
BNA_P
ClientSampleId :

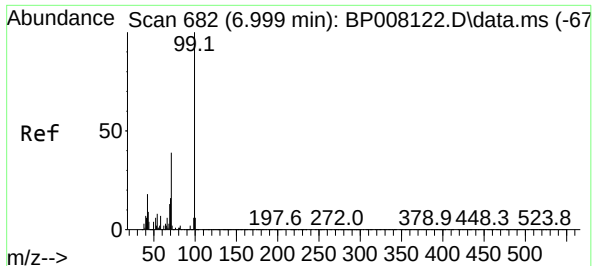
Tgt Ion:152 Resp: 72217
Ion Ratio Lower Upper
152 100
150 148.2 125.7 188.5
115 63.3 50.7 76.1



#5
2-Fluorophenol
Concen: 5.101 ng
RT: 5.387 min Scan# 408
Delta R.T. 0.000 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Tgt Ion:112 Resp: 22881
Ion Ratio Lower Upper
112 100
64 63.7 53.4 80.2
63 31.3 27.8 41.8





#7

Phenol-d6

Concen: 4.537 ng

RT: 6.981 min Scan# 61

Delta R.T. -0.006 min

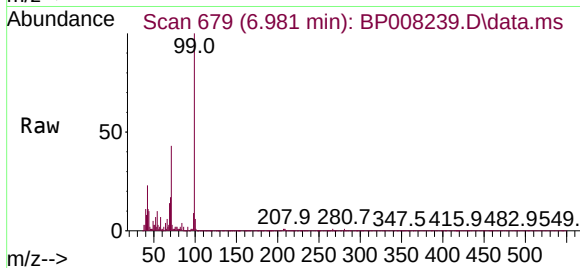
Lab File: BP008239.D

Acq: 06 Dec 2021 21:00

Instrument :

BNA_P

ClientSampleId :



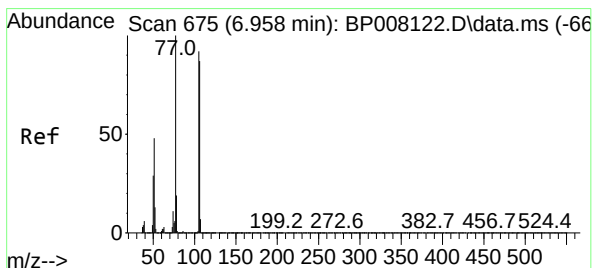
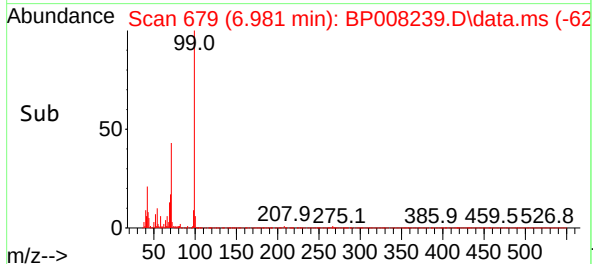
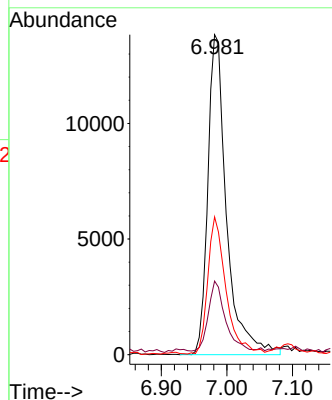
Tgt Ion: 99 Resp: 27473

Ion Ratio Lower Upper

99 100

42 23.0 14.6 22.0#

71 43.0 31.1 46.7



#9

Benzaldehyde

Concen: Below Cal

RT: 6.934 min Scan# 671

Delta R.T. -0.006 min

Lab File: BP008239.D

Acq: 06 Dec 2021 21:00

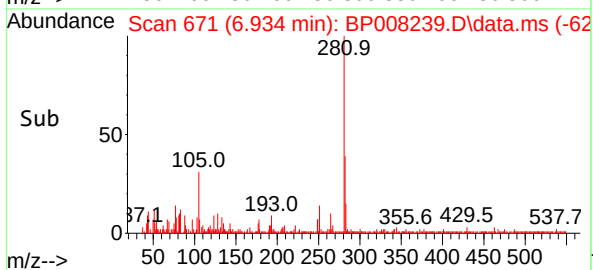
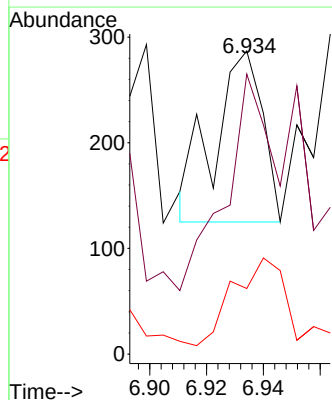
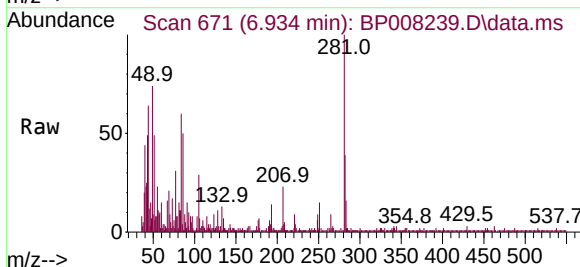
Tgt Ion: 77 Resp: 191

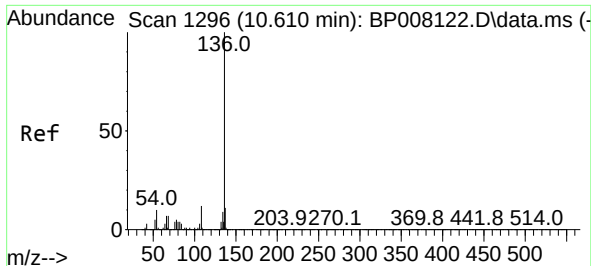
Ion Ratio Lower Upper

77 100

105 92.3 71.8 111.8

106 21.6 67.3 107.3#

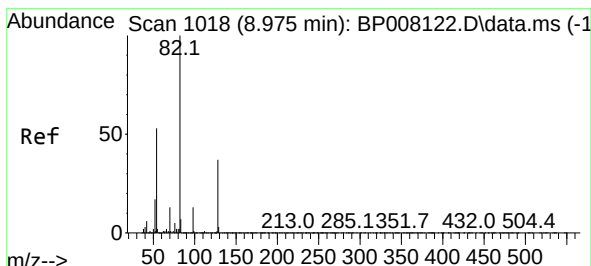
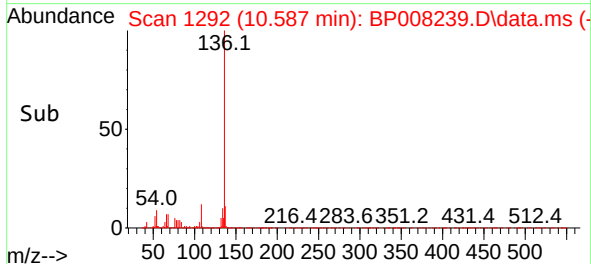
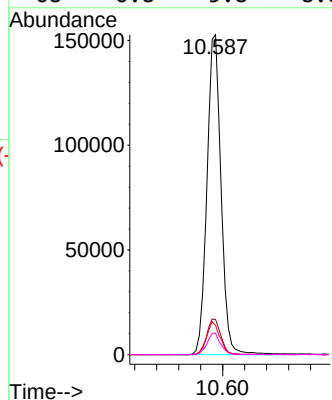
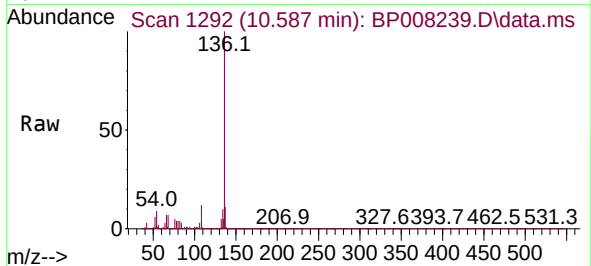




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

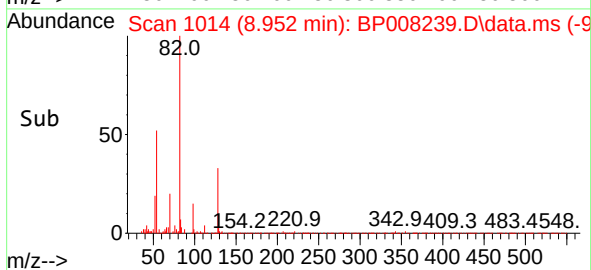
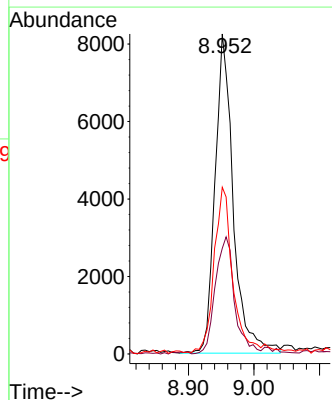
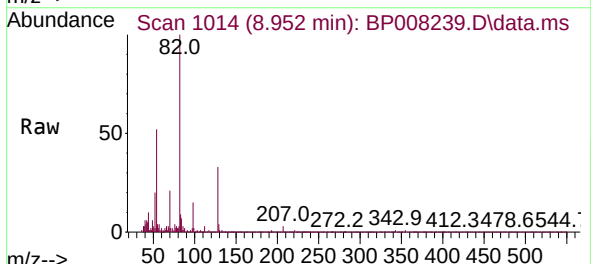
Instrument :
BNA_P
ClientSampleId :

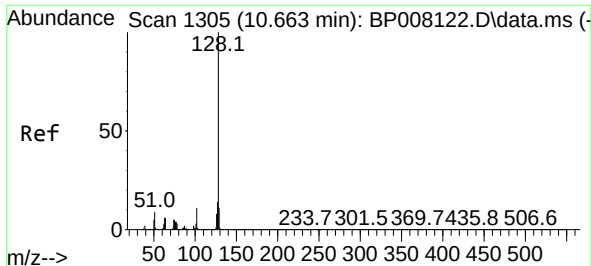
Tgt Ion:	136	Resp:	270644
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.6
54	9.2	8.2	12.4
68	6.8	5.8	8.8



#23
Nitrobenzene-d5
Concen: 2.668 ng
RT: 8.952 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Tgt Ion:	82	Resp:	15882
Ion Ratio	Lower	Upper	
82	100		
128	33.0	29.6	44.4
54	52.1	42.7	64.1

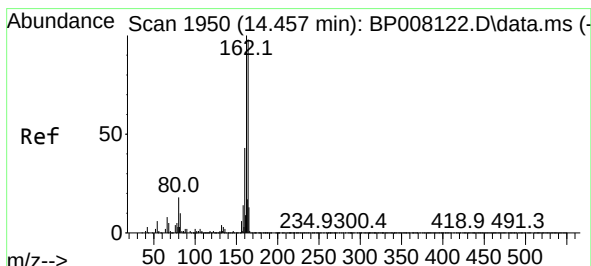
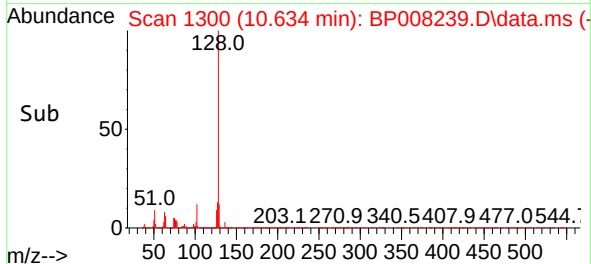
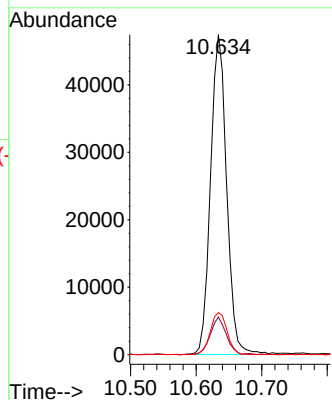
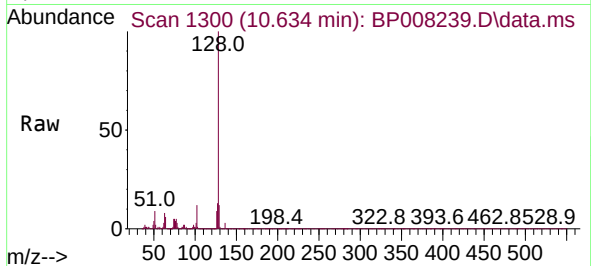




#31
Naphthalene
Concen: 5.848 ng
RT: 10.634 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

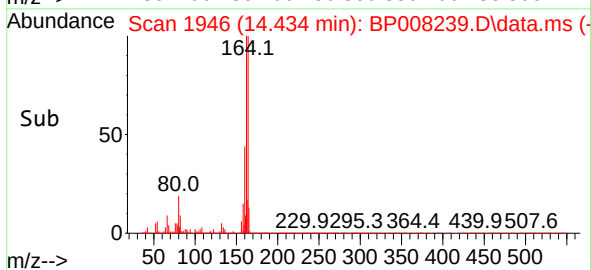
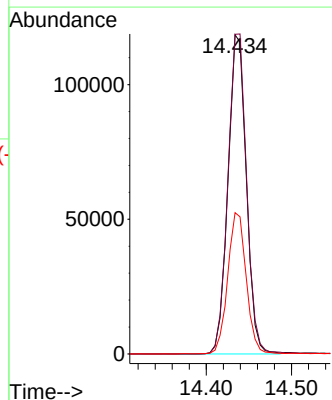
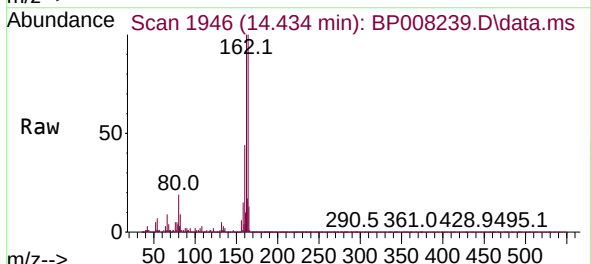
Instrument :
BNA_P
ClientSampleId :

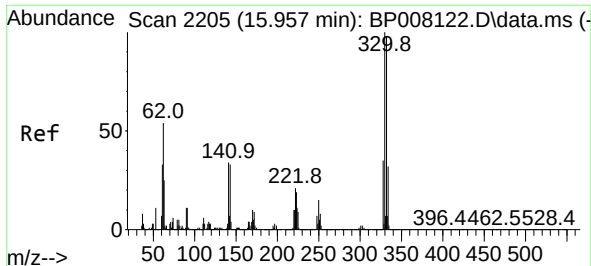
Tgt Ion:128 Resp: 81077
Ion Ratio Lower Upper
128 100
129 11.7 8.5 12.7
127 13.2 10.9 16.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.434 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

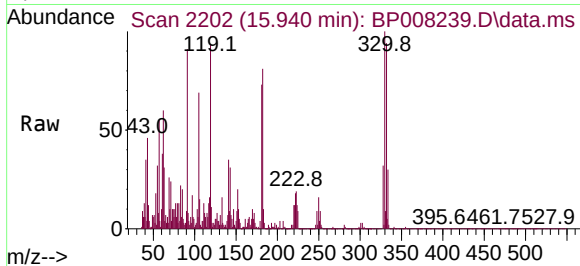
Tgt Ion:164 Resp: 176512
Ion Ratio Lower Upper
164 100
162 100.2 81.9 122.9
160 44.3 35.4 53.0



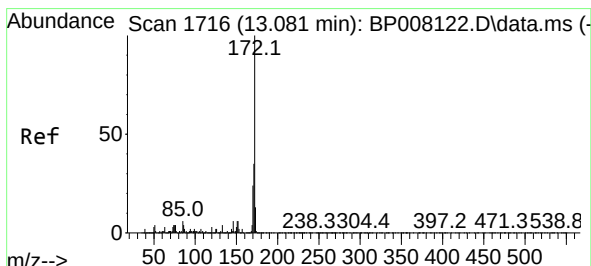
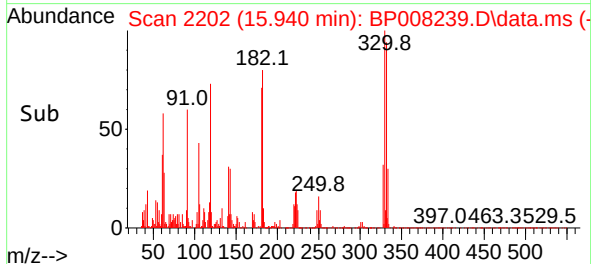
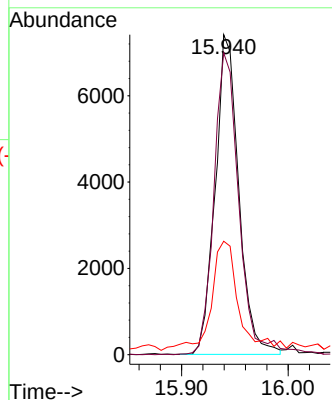


#42
2,4,6-Tribromophenol
Concen: 5.044 ng
RT: 15.940 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Instrument :
BNA_P
ClientSampleId :

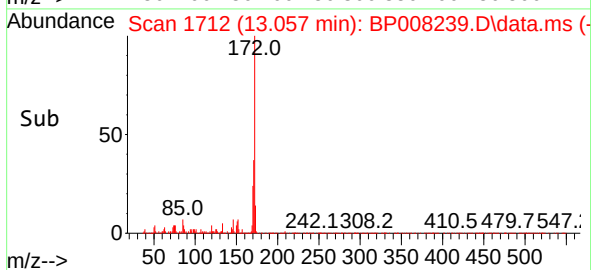
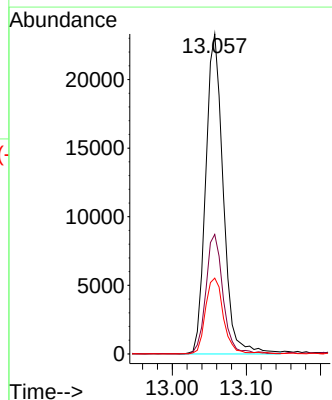
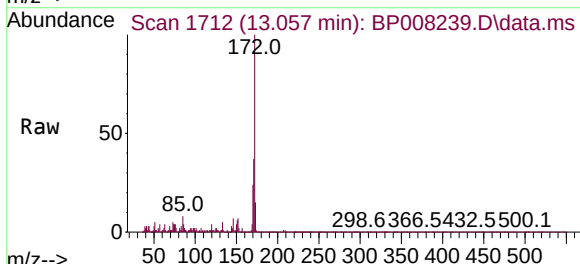


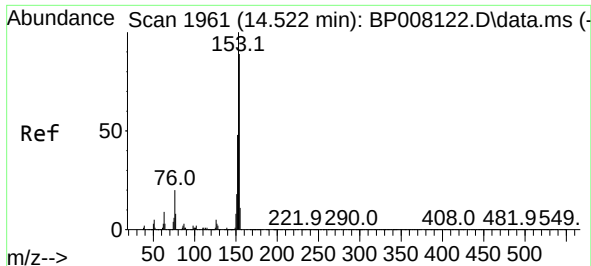
Tgt Ion: 330 Resp: 11379
Ion Ratio Lower Upper
330 100
332 101.0 77.0 115.4
141 39.3 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 3.151 ng
RT: 13.057 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Tgt Ion: 172 Resp: 38285
Ion Ratio Lower Upper
172 100
171 37.4 28.0 42.0
170 23.7 18.9 28.3

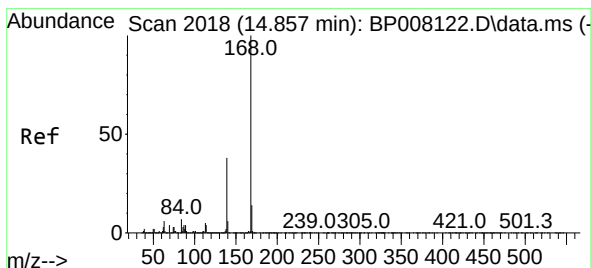
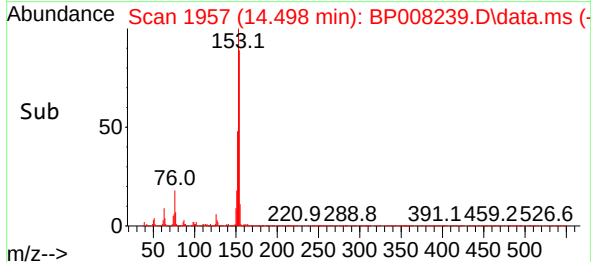
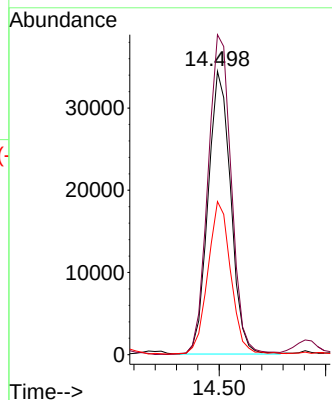
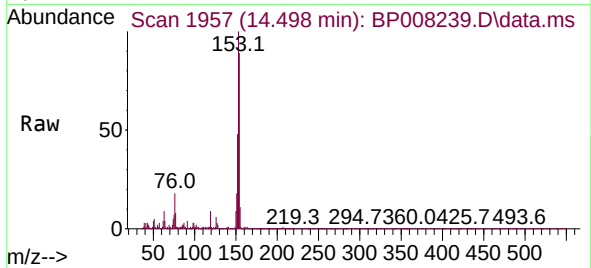




#52
Acenaphthene
Concen: 5.466 ng
RT: 14.498 min Scan# 1961
Delta R.T. -0.018 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

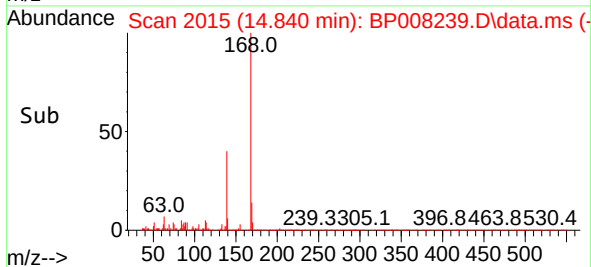
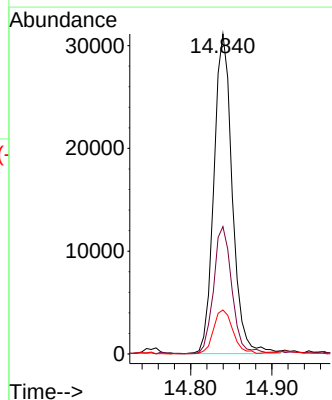
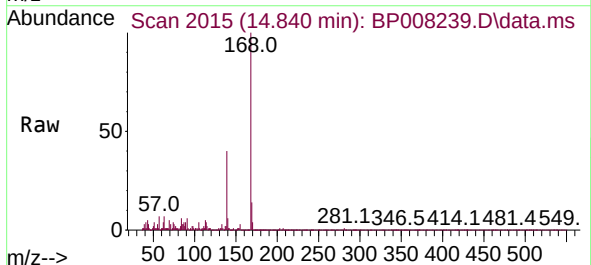
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BNA_P
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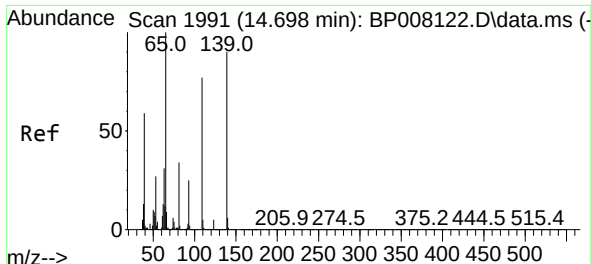
Tgt Ion:154 Resp: 50827
Ion Ratio Lower Upper
154 100
153 112.9 90.3 135.5
152 54.0 43.3 64.9



#55
Dibenzofuran
Concen: 3.082 ng
RT: 14.840 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

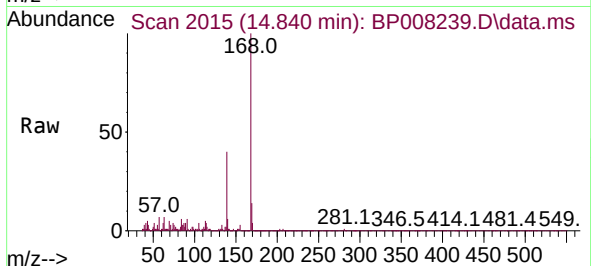
Tgt Ion:168 Resp: 48968
Ion Ratio Lower Upper
168 100
139 39.8 30.6 46.0
169 13.7 11.0 16.4



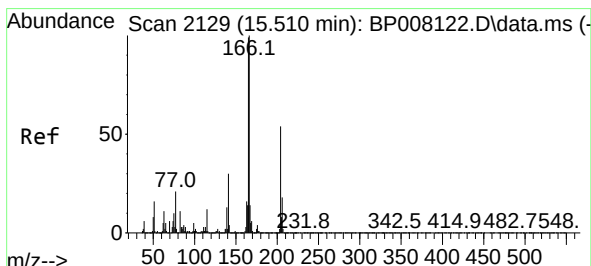
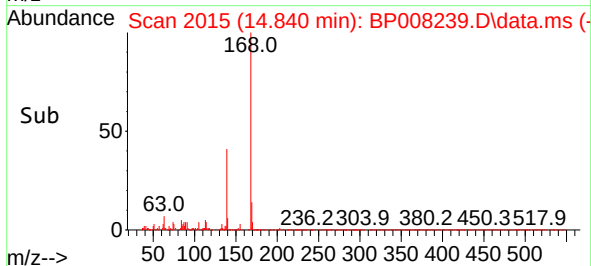
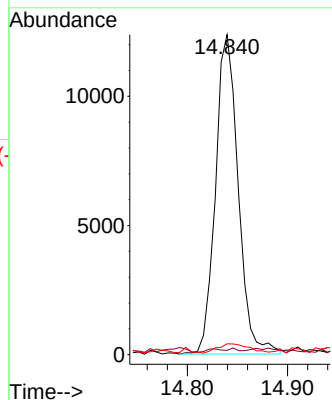


#56
4-Nitrophenol
Concen: 9.085 ng
RT: 14.840 min Scan# 2015
Delta R.T. 0.135 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Instrument :
BNA_P
ClientSampleId :

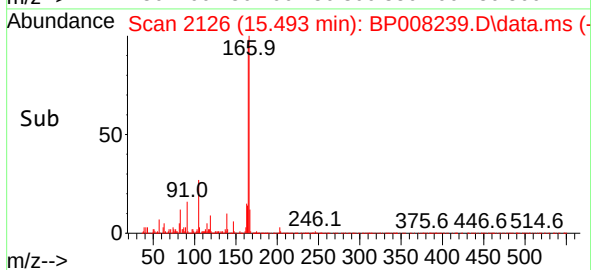
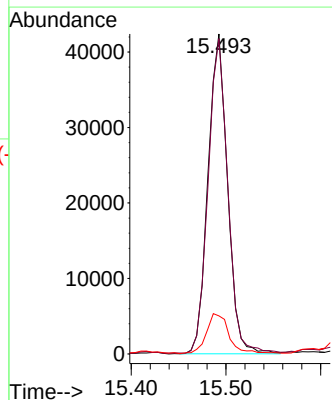
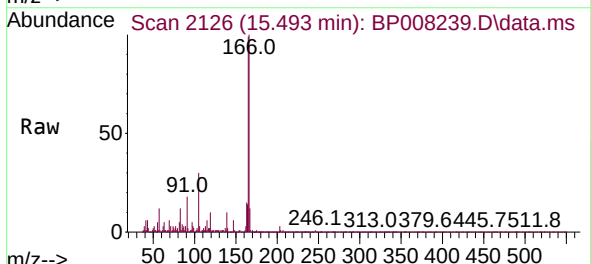


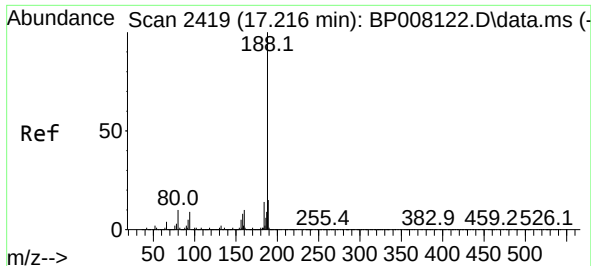
Tgt Ion:139 Resp: 19413
Ion Ratio Lower Upper
139 100
109 1.4 65.9 105.9#
65 3.4 91.9 131.9#



#58
Fluorene
Concen: 4.691 ng
RT: 15.493 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Tgt Ion:166 Resp: 60556
Ion Ratio Lower Upper
166 100
165 98.5 79.4 119.2
167 11.9 10.9 16.3

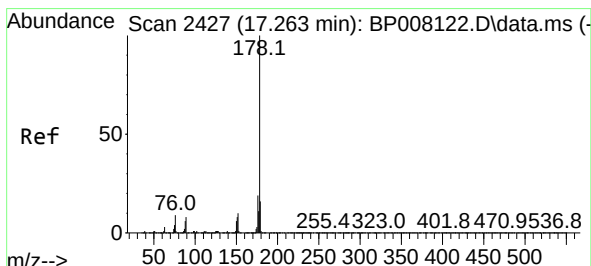
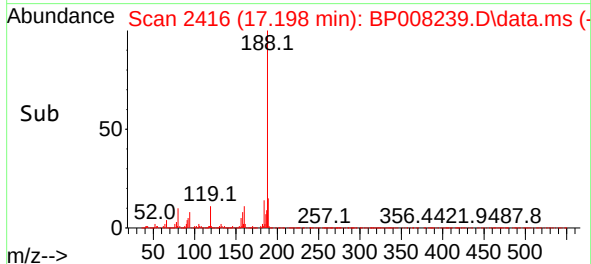
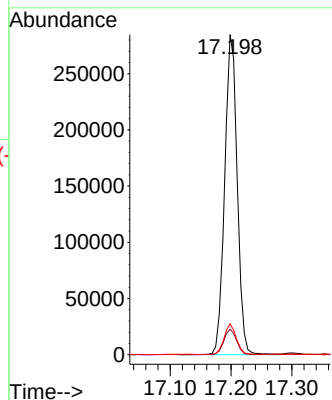
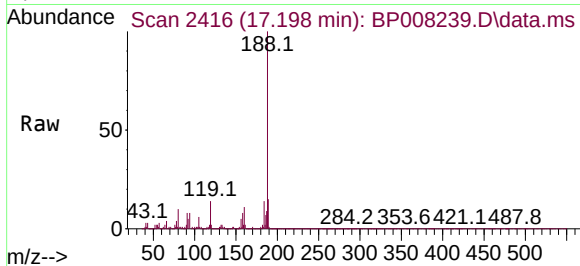




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

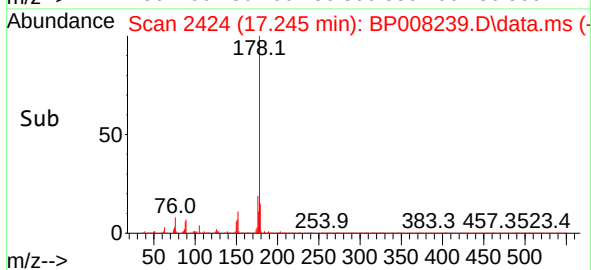
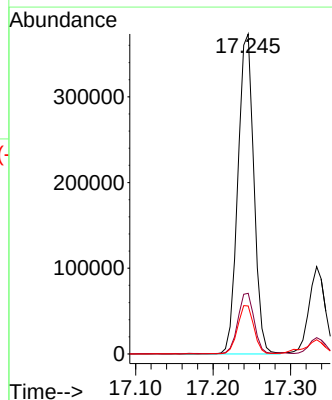
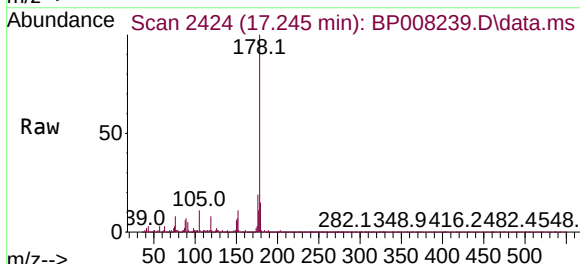
Instrument :
BNA_P
ClientSampleId :

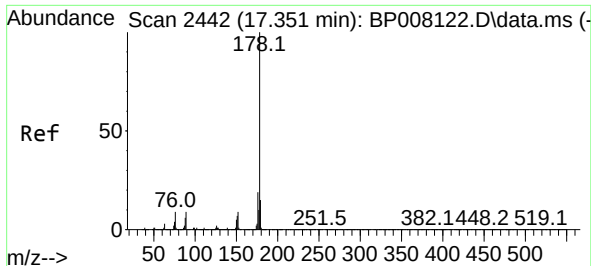
Tgt Ion:188 Resp: 406874
Ion Ratio Lower Upper
188 100
94 7.9 7.2 10.8
80 9.7 8.2 12.4



#71
Phenanthrene
Concen: 24.901 ng
RT: 17.245 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

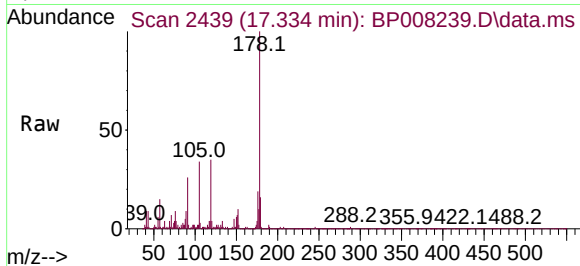
Tgt Ion:178 Resp: 534935
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.0 12.5 18.7



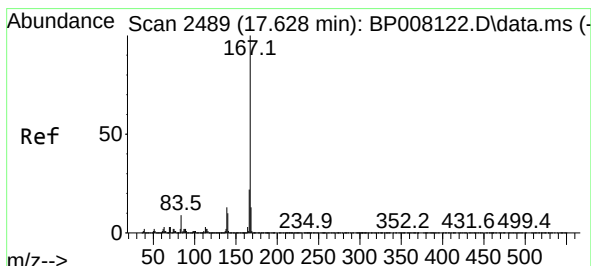
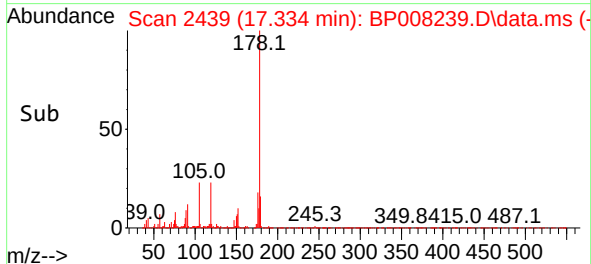
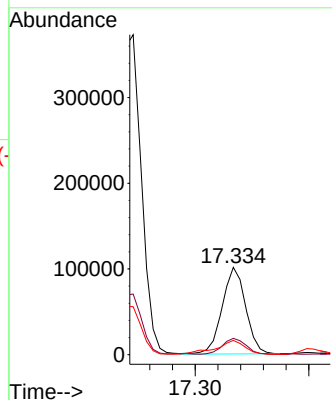


#72
 Anthracene
 Concen: 6.819 ng
 RT: 17.334 min Scan# 2442
 Delta R.T. -0.012 min
 Lab File: BP008239.D
 Acq: 06 Dec 2021 21:00

Instrument :
 BNA_P
 ClientSampleId :

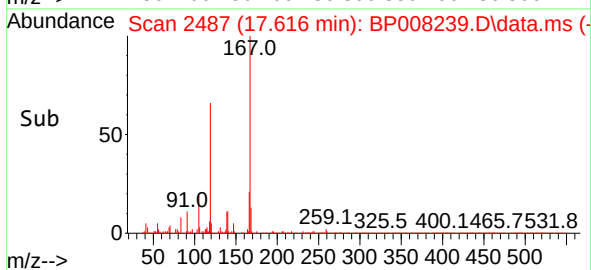
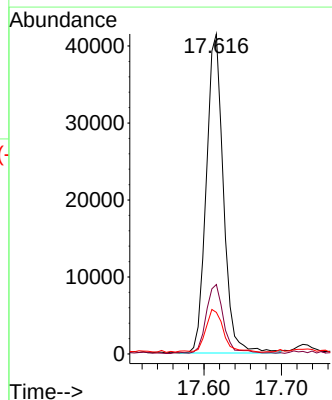
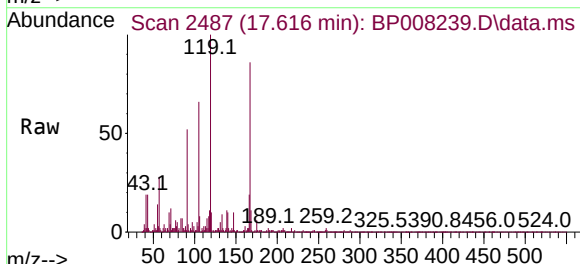


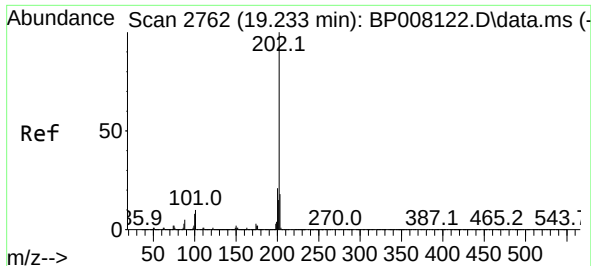
Tgt Ion:178 Resp: 145375
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.1 22.7
 179 16.4 12.3 18.5



#73
 Carbazole
 Concen: 3.052 ng
 RT: 17.616 min Scan# 2487
 Delta R.T. -0.006 min
 Lab File: BP008239.D
 Acq: 06 Dec 2021 21:00

Tgt Ion:167 Resp: 63519
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.0
 139 13.0 10.2 15.2

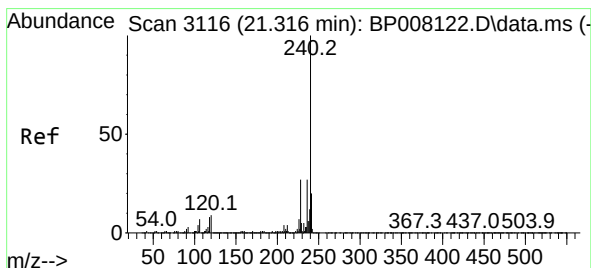
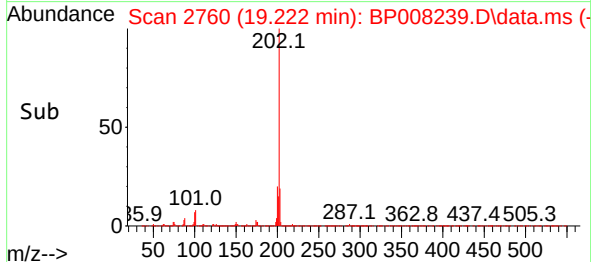
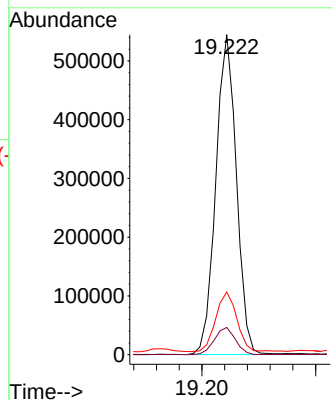
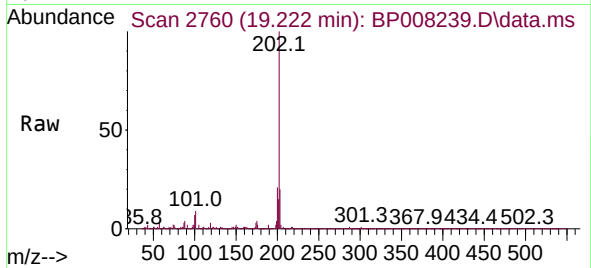




#75
Fluoranthene
Concen: 23.643 ng
RT: 19.222 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

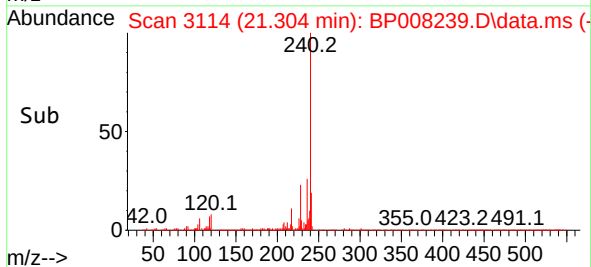
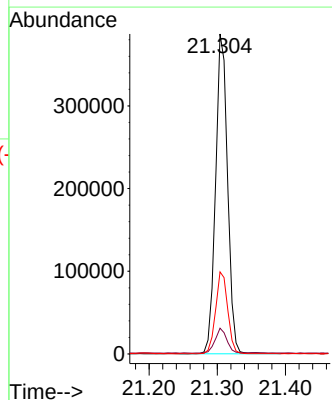
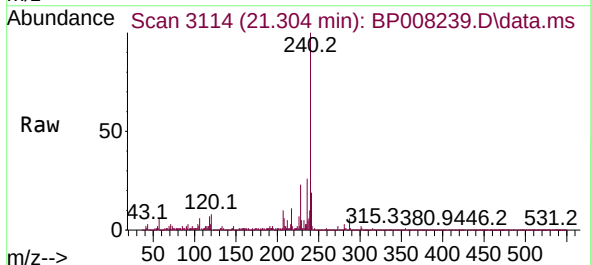
Instrument :
BNA_P
ClientSampleId :

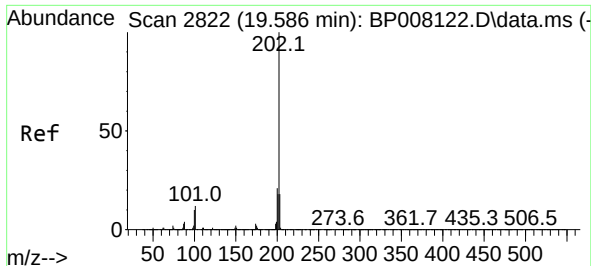
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	29.8
203	19.6	0.0	37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.0	7.3	10.9
236	25.6	21.4	32.2

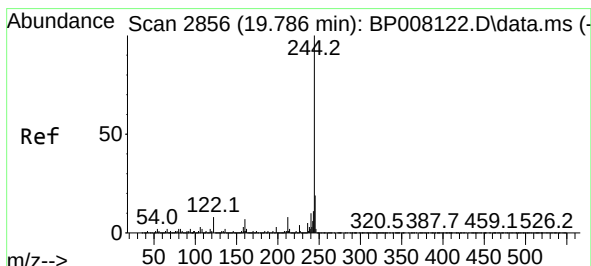
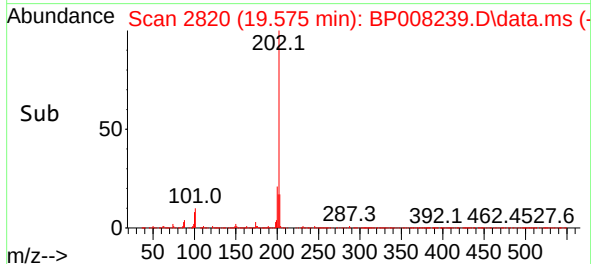
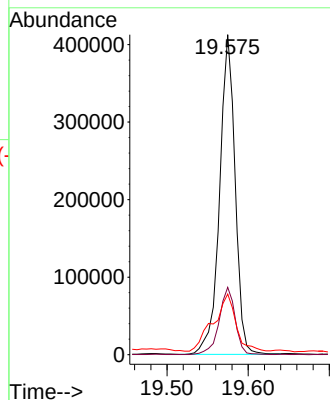
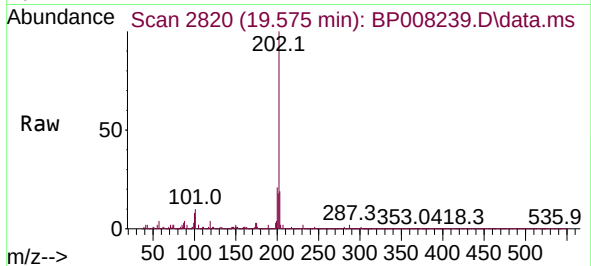




#78
 Pyrene
 Concen: 16.836 ng
 RT: 19.575 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP008239.D
 Acq: 06 Dec 2021 21:00

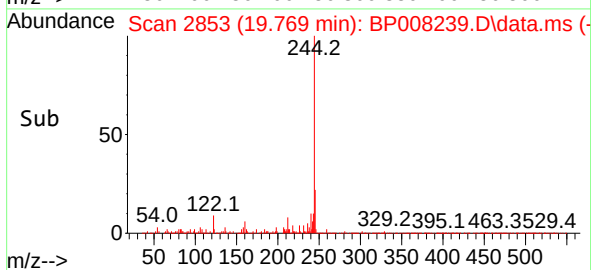
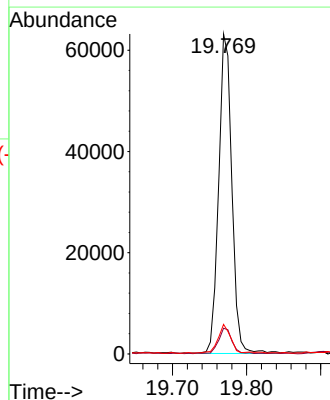
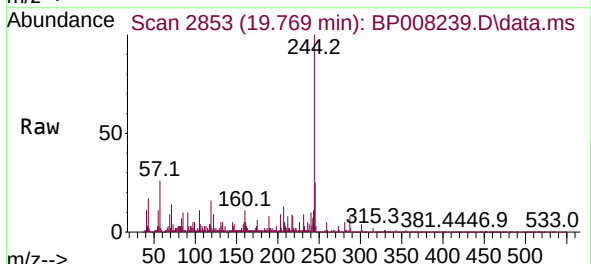
Instrument :
 BNA_P
 ClientSampleId :

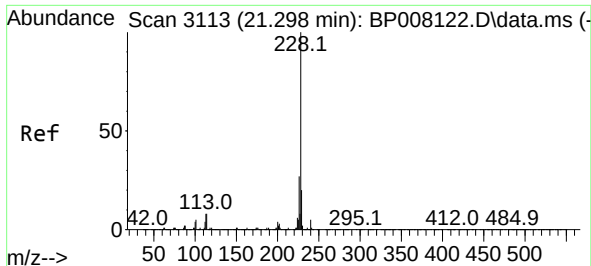
Tgt Ion:202 Resp: 550934
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.1 25.7
 203 19.0 14.2 21.2



#79
 Terphenyl-d14
 Concen: 3.438 ng
 RT: 19.769 min Scan# 2853
 Delta R.T. -0.012 min
 Lab File: BP008239.D
 Acq: 06 Dec 2021 21:00

Tgt Ion:244 Resp: 77969
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.0 9.0
 122 9.3 6.6 9.8

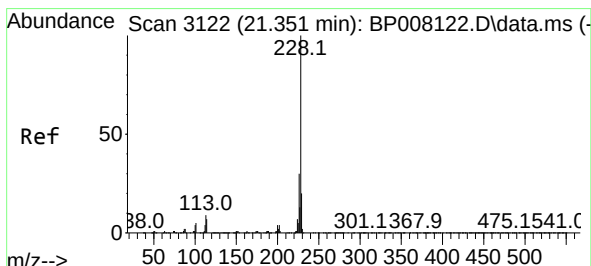
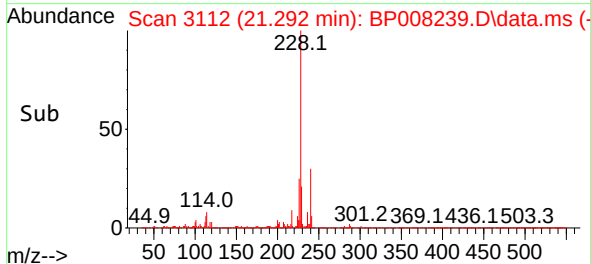
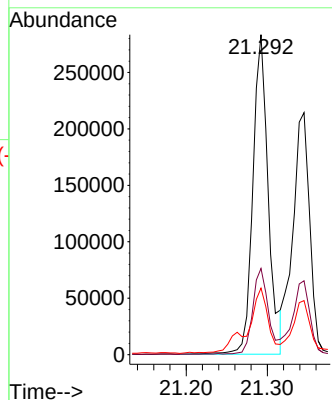
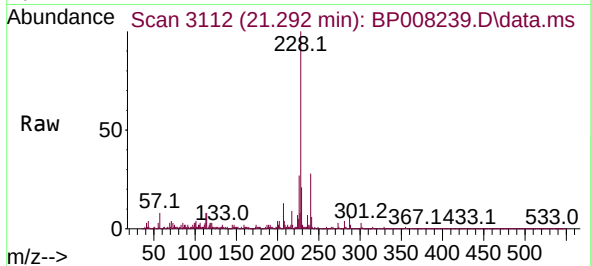




#81
Benzo(a)anthracene
Concen: 11.900 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

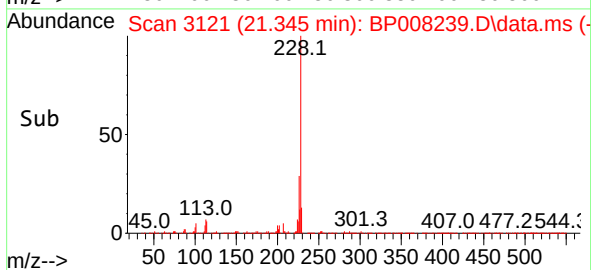
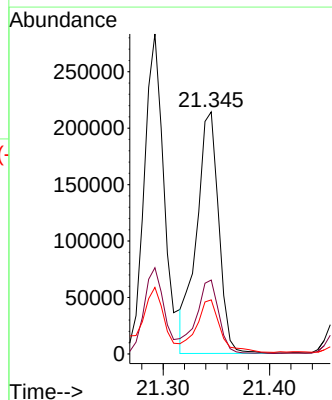
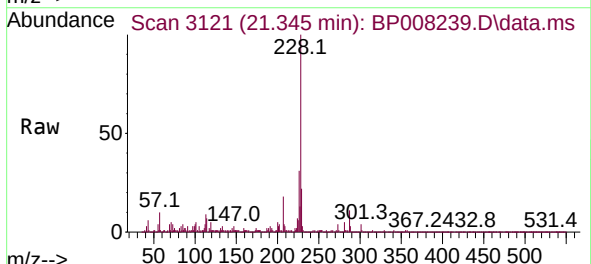
Instrument :
BNA_P
ClientSampleId :

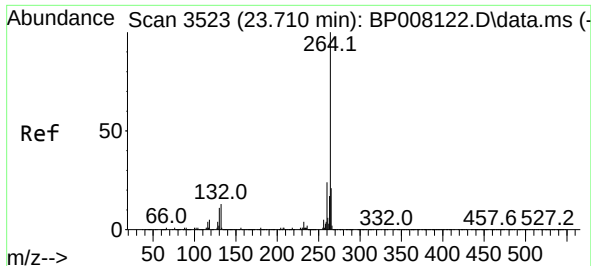
Tgt Ion:228 Resp: 373822
Ion Ratio Lower Upper
228 100
226 27.0 21.9 32.9
229 20.8 15.9 23.9



#83
Chrysene
Concen: 10.383 ng
RT: 21.345 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Tgt Ion:228 Resp: 310366
Ion Ratio Lower Upper
228 100
226 30.6 24.0 36.0
229 22.3 15.8 23.8

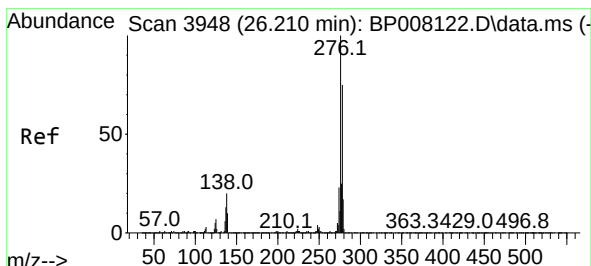
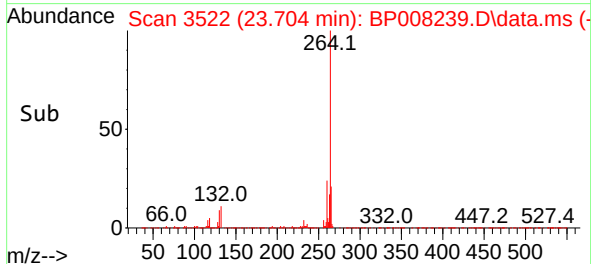
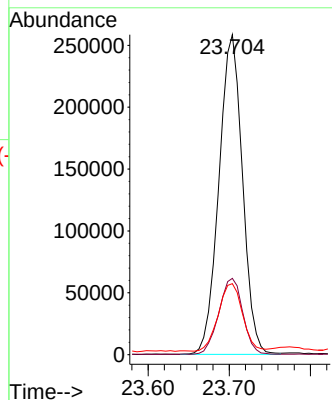
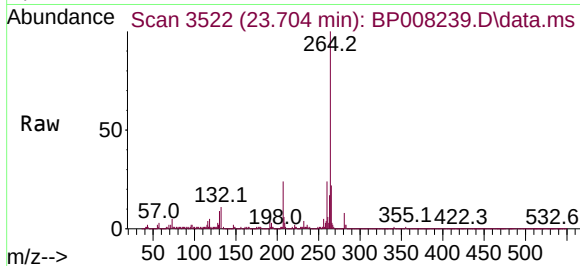




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.704 min Scan# 3523
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

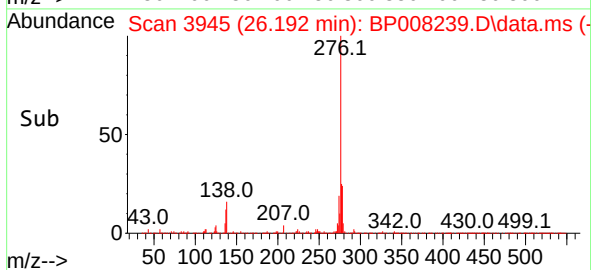
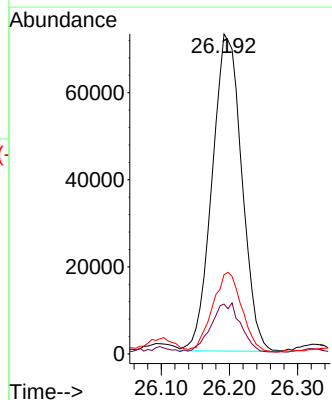
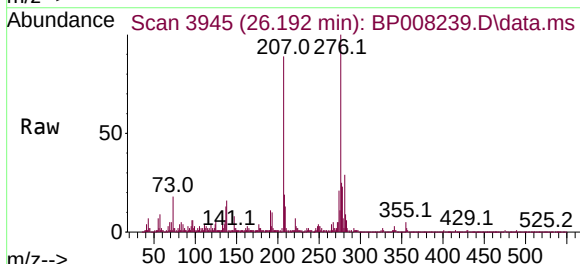
Instrument :
BNA_P
ClientSampleId :

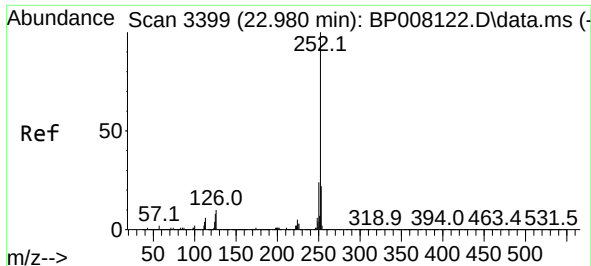
Tgt Ion:264 Resp: 521159
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.2
265 22.2 17.6 26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.816 ng
RT: 26.192 min Scan# 3945
Delta R.T. -0.035 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Tgt Ion:276 Resp: 220528
Ion Ratio Lower Upper
276 100
138 15.3 16.6 25.0#
277 24.9 20.2 30.2

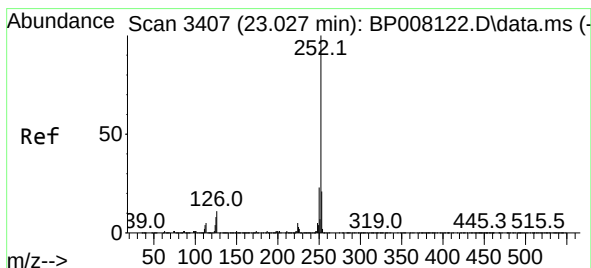
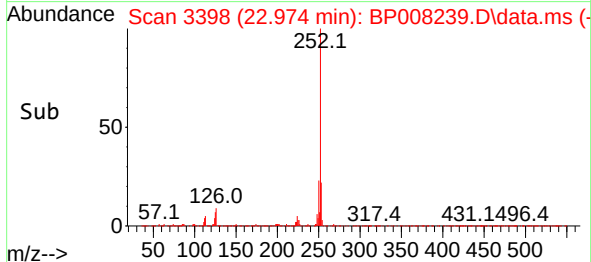
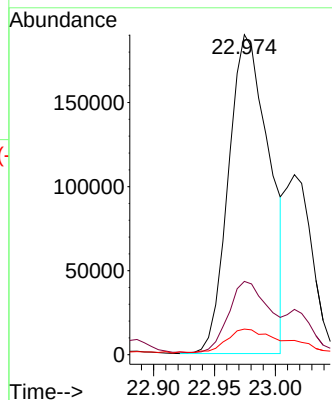
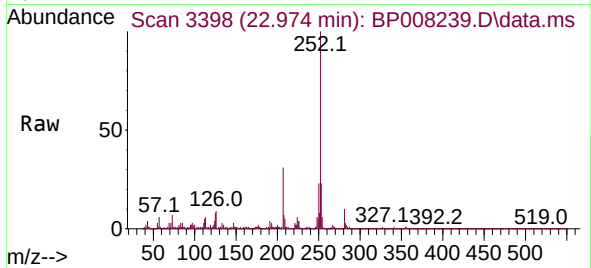




#88
Benzo(b)fluoranthene
Concen: 14.048 ng
RT: 22.974 min Scan# 3398
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

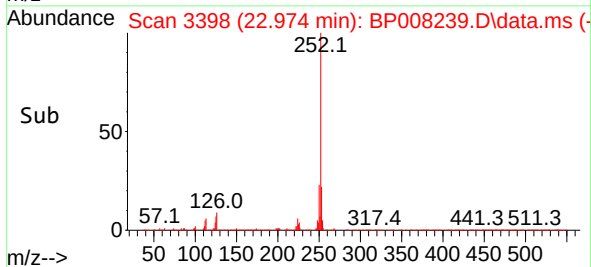
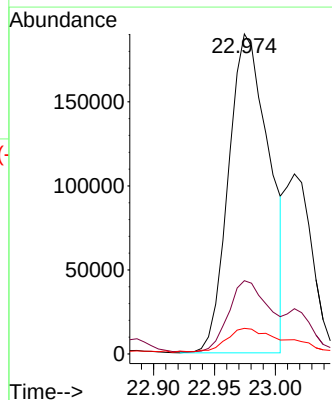
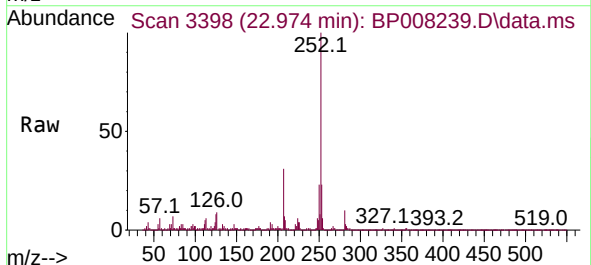
Instrument :
BNA_P
ClientSampleId :

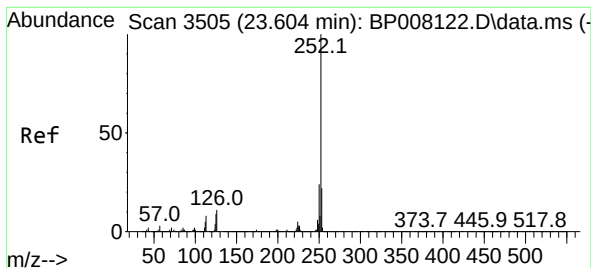
Tgt Ion:252 Resp: 441346
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 8.0 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 14.349 ng
RT: 22.974 min Scan# 3398
Delta R.T. -0.059 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Tgt Ion:252 Resp: 441346
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 8.0 6.5 9.7





#90

Benzo(a)pyrene

Concen: 11.843 ng

RT: 23.598 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP008239.D

Acq: 06 Dec 2021 21:00

Instrument :

BNA_P

ClientSampleId :

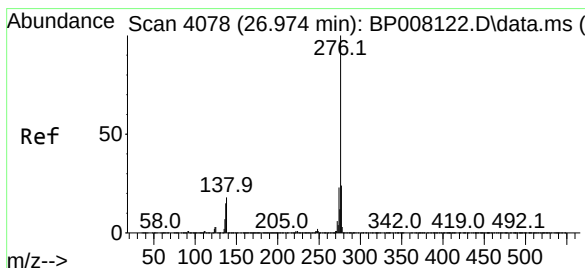
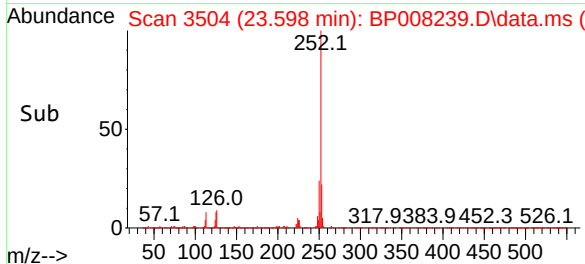
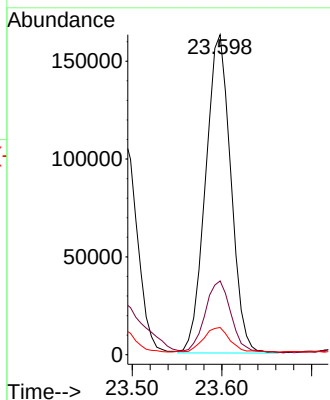
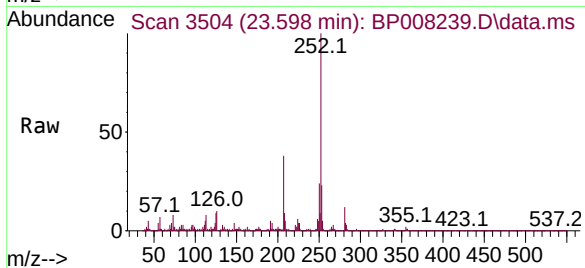
Tgt Ion:252 Resp: 318012

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 8.5 7.4 11.0



#92

Benzo(g,h,i)perylene

Concen: 6.551 ng

RT: 26.962 min Scan# 4076

Delta R.T. -0.035 min

Lab File: BP008239.D

Acq: 06 Dec 2021 21:00

Tgt Ion:276 Resp: 208104

Ion Ratio Lower Upper

276 100

277 23.2 20.0 30.0

138 16.5 14.1 21.1

