

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
 Data File : BM042693.D
 Acq On : 10 Nov 2023 16:09
 Operator : MA/JU
 Sample : 05279-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 10 16:56:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 09 13:21:00 2023
 Response via : Initial Calibration

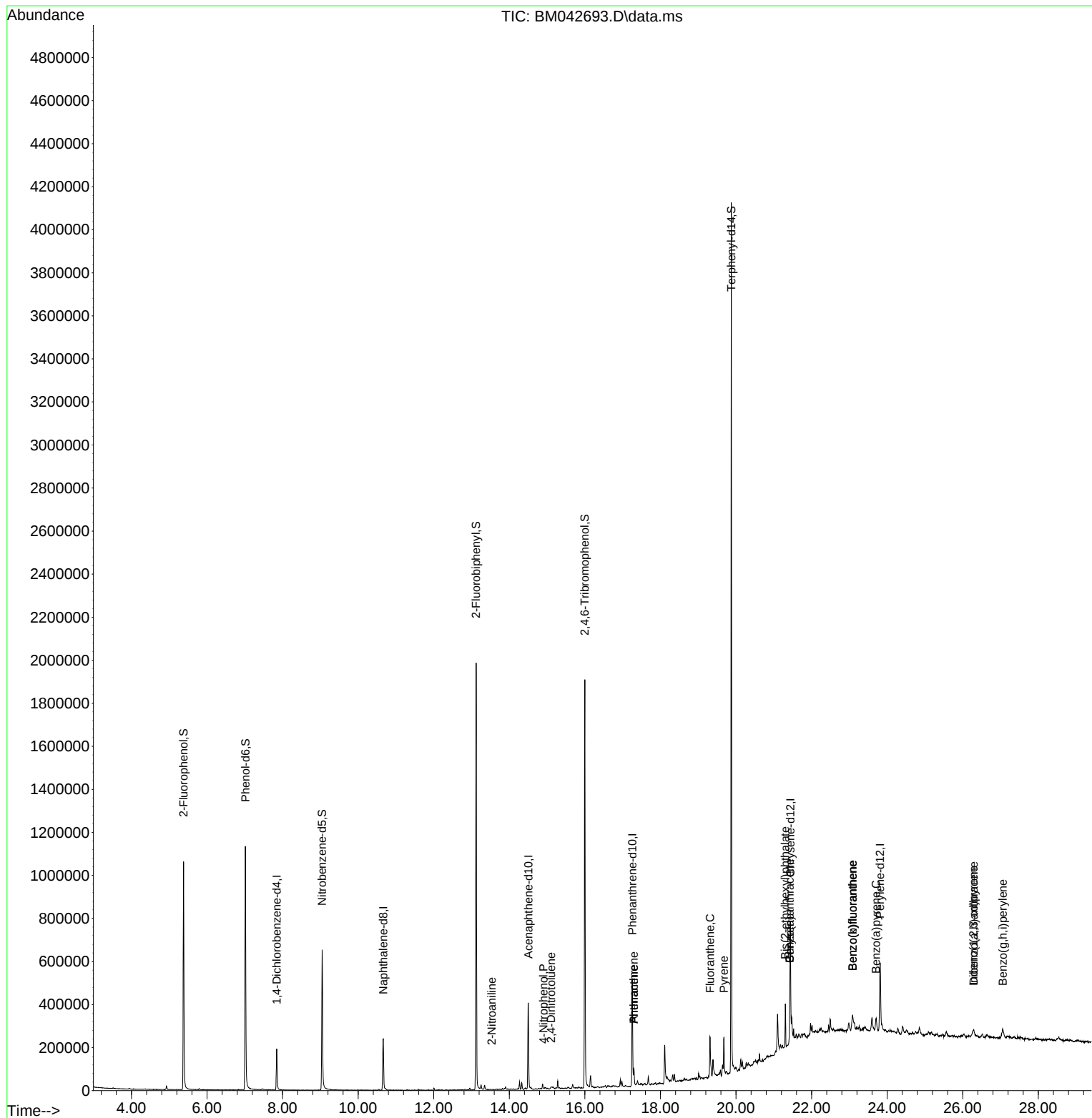
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	45908	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	185689	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	126534	20.000	ng	0.00
64) Phenanthrene-d10	17.256	188	292466	20.000	ng	# 0.00
76) Chrysene-d12	21.439	240	256008	20.000	ng	# 0.00
86) Perylene-d12	23.815	264	264031	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	363416	127.758	ng	0.00
7) Phenol-d6	7.016	99	517070	132.541	ng	0.00
23) Nitrobenzene-d5	9.045	82	366701	92.059	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	289633	175.322	ng	0.00
45) 2-Fluorobiphenyl	13.121	172	875691	93.124	ng	0.00
79) Terphenyl-d14	19.874	244	1643696	108.866	ng	0.00
Target Compounds						
48) 2-Nitroaniline	13.533	65	54	4.368	ng	# 13
56) 4-Nitrophenol	14.904	139	638	7.283	ng	# 28
57) 2,4-Dinitrotoluene	15.104	165	56	3.989	ng	# 5
71) Phenanthrene	17.298	178	42472	2.779	ng	98
72) Anthracene	17.298	178	42472	2.806	ng	97
75) Fluoranthene	19.315	202	115336	6.424	ng	97
78) Pyrene	19.680	202	110348	6.277	ng	97
81) Benzo(a)anthracene	21.421	228	57327	3.519	ng	98
83) Chrysene	21.421	228	57327	3.465	ng	97
84) Bis(2-ethylhexyl)phtha...	21.303	149	65549	5.777	ng	97
87) Indeno(1,2,3-cd)pyrene	26.285	276	31544	2.007	ng	# 90
88) Benzo(b)fluoranthene	23.086	252	67954	4.620	ng	# 95
89) Benzo(k)fluoranthene	23.086	252	67954	4.146	ng	96
90) Benzo(a)pyrene	23.709	252	49120	3.392	ng	96
91) Dibenzo(a,h)anthracene	26.291	278	7892	4.635	ng	# 69
92) Benzo(g,h,i)perylene	27.062	276	34174	2.467	ng	# 94

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

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Quant Time: Nov 10 16:56:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
Response via : Initial Calibration

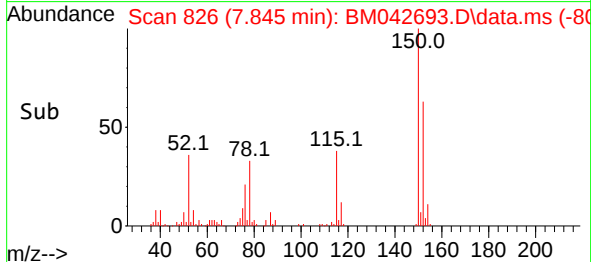
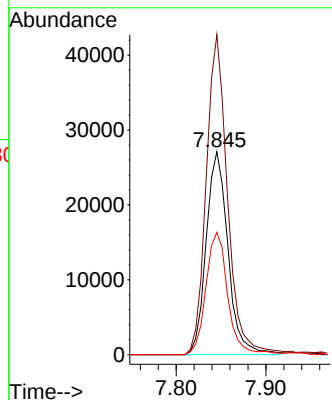
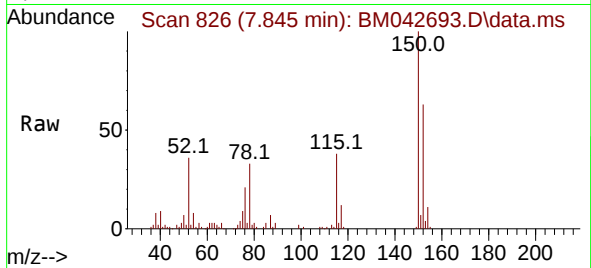




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

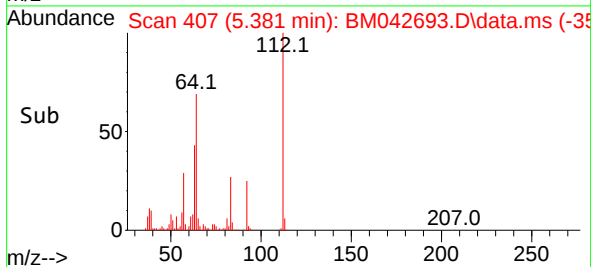
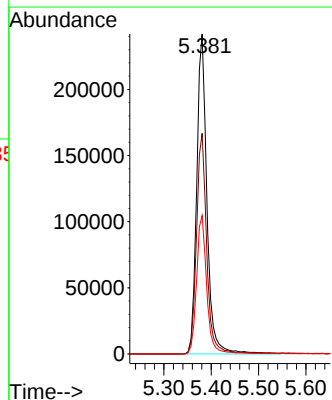
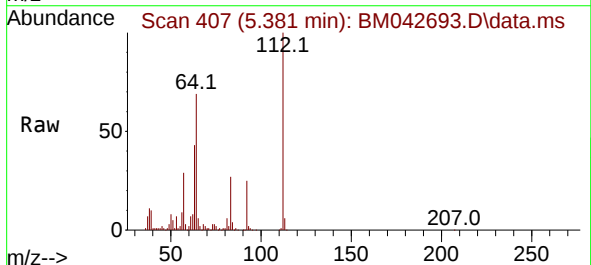
Instrument :
BNA_M
ClientSampleId :

Tgt Ion:152 Resp: 45908
Ion Ratio Lower Upper
152 100
150 157.6 127.4 191.0
115 60.2 47.9 71.9



#5
2-Fluorophenol
Concen: 127.758 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Tgt Ion:112 Resp: 363416
Ion Ratio Lower Upper
112 100
64 68.9 52.1 78.1
63 43.3 28.3 42.5

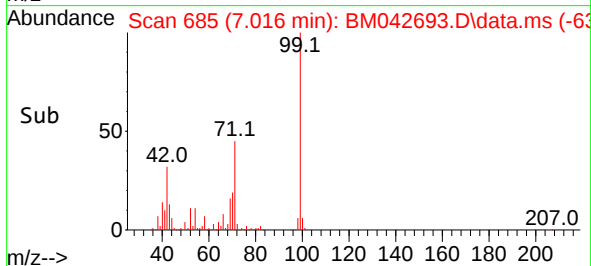
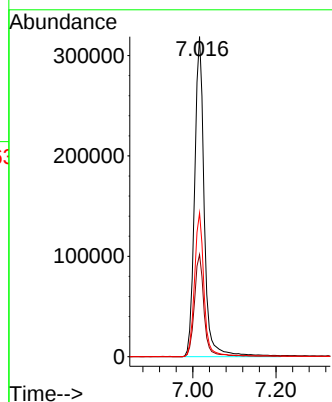
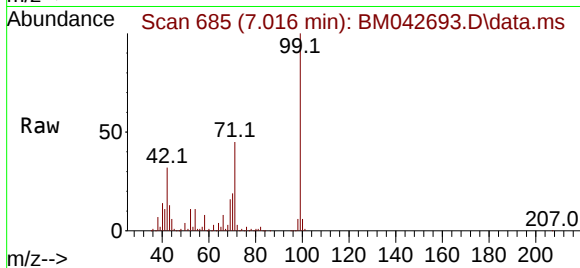




#7
Phenol-d6
Concen: 132.541 ng
RT: 7.016 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

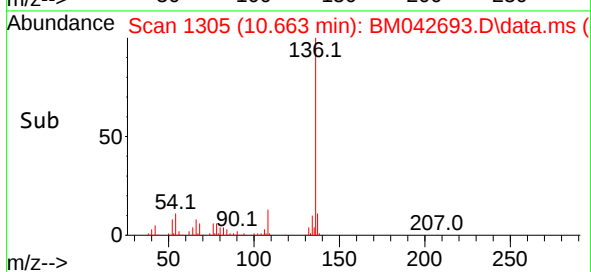
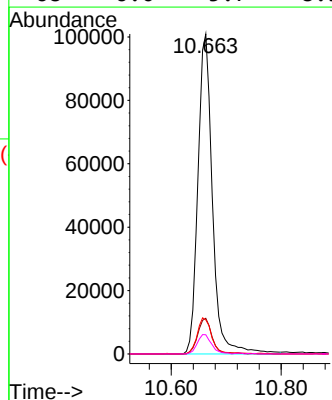
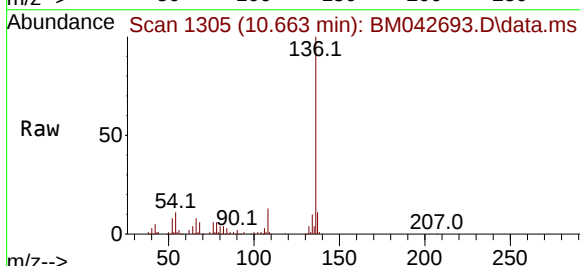
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ClientSampleId :

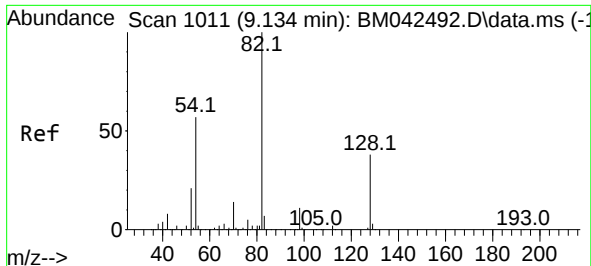
Tgt Ion: 99 Resp: 517070
Ion Ratio Lower Upper
99 100
42 31.9 18.7 28.1#
71 44.9 29.1 43.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Tgt Ion:136 Resp: 185689
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 10.6 8.0 12.0
68 6.0 5.7 8.5

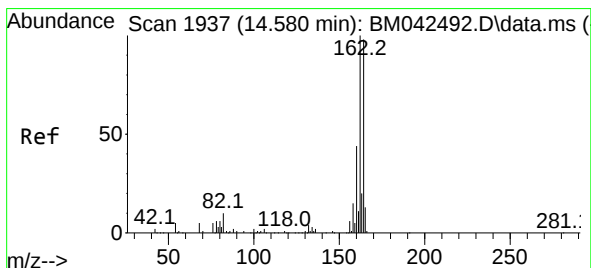
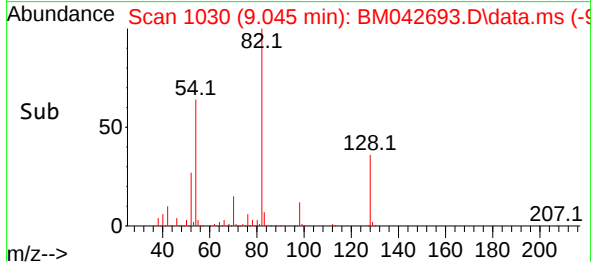
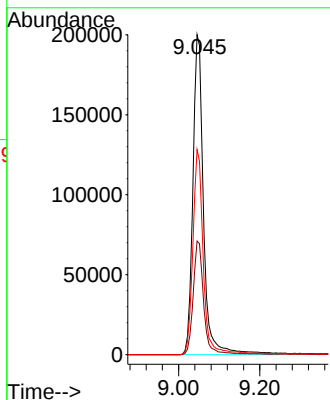
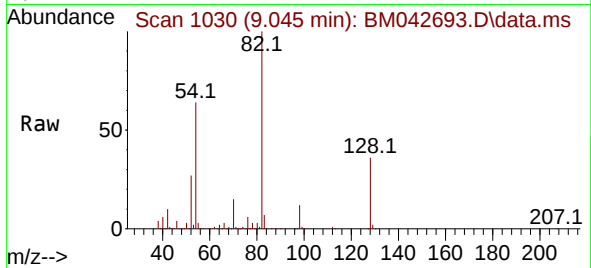




#23
Nitrobenzene-d5
Concen: 92.059 ng
RT: 9.045 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

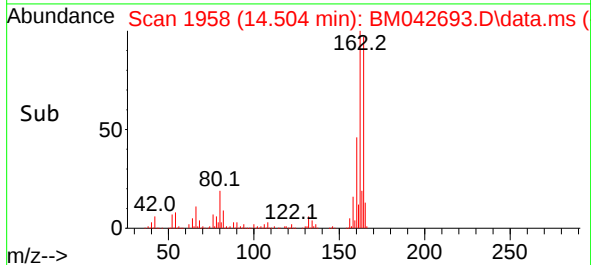
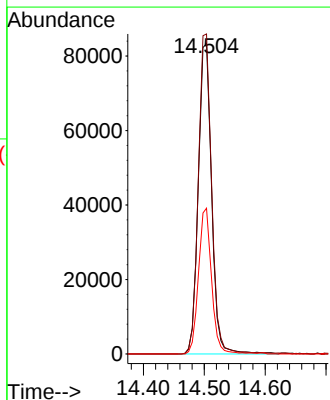
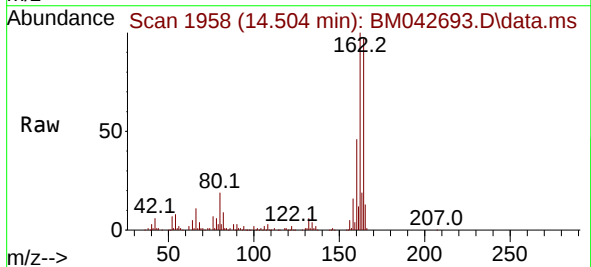
Instrument :
BNA_M
ClientSampleId :

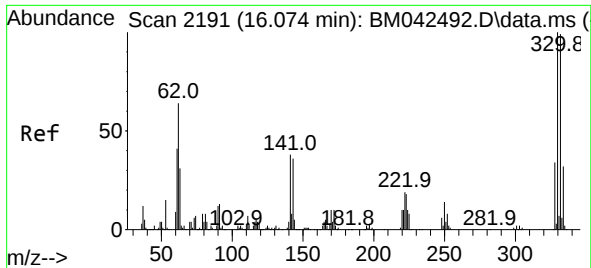
Tgt Ion: 82 Resp: 366701
Ion Ratio Lower Upper
82 100
128 35.5 30.7 46.1
54 64.1 45.3 67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1958
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

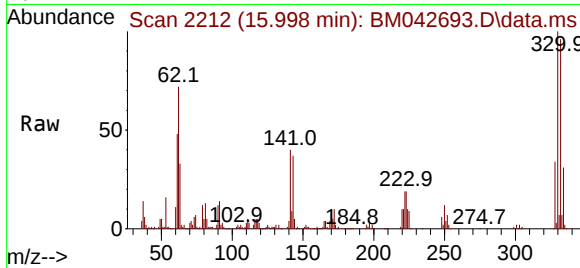
Tgt Ion: 164 Resp: 126534
Ion Ratio Lower Upper
164 100
162 103.1 81.6 122.4
160 47.0 36.2 54.4



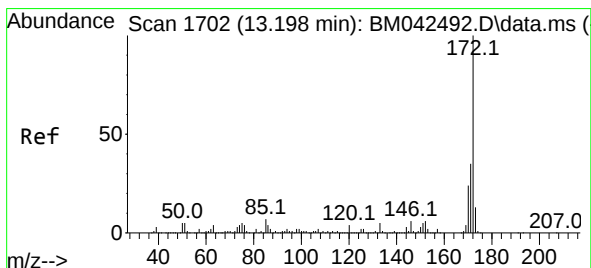
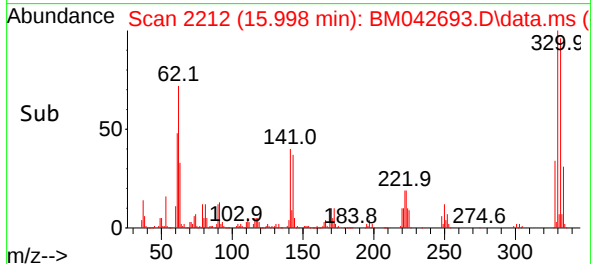
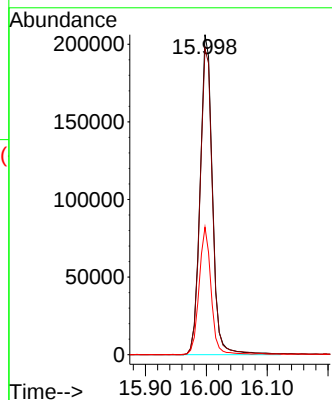


#42
2,4,6-Tribromophenol
Concen: 175.322 ng
RT: 15.998 min Scan# 2191
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Instrument :
BNA_M
ClientSampleId :

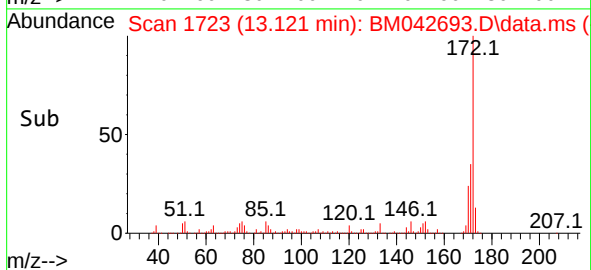
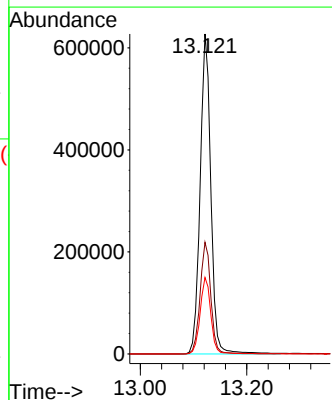
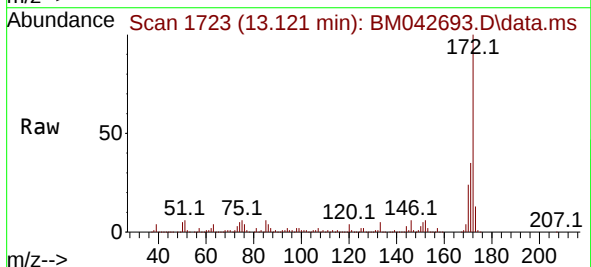


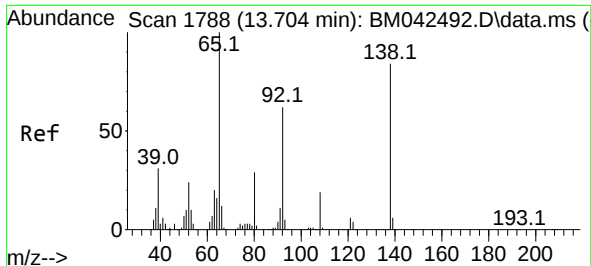
Tgt Ion:330 Resp: 289633
Ion Ratio Lower Upper
330 100
332 97.7 78.8 118.2
141 38.8 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 93.124 ng
RT: 13.121 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Tgt Ion:172 Resp: 875691
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.9 19.0 28.4

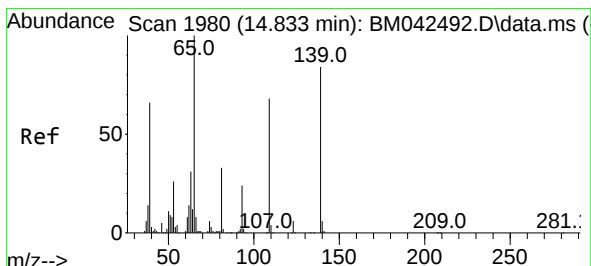
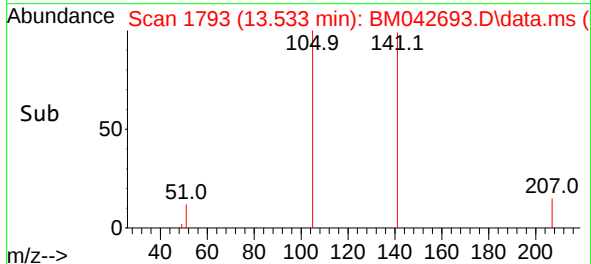
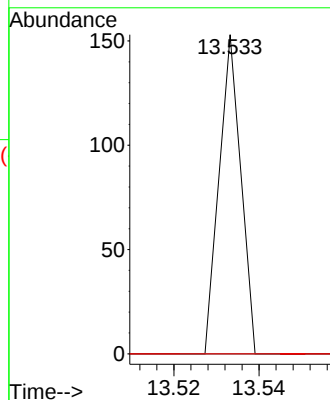
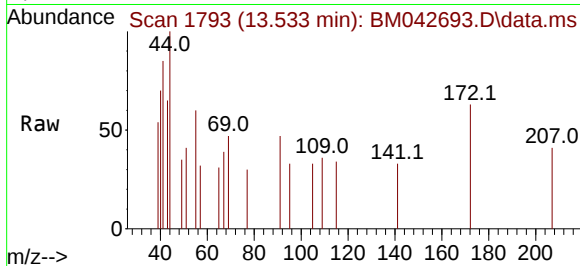




#48
2-Nitroaniline
Concen: 4.368 ng
RT: 13.533 min Scan# 1
Delta R.T. -0.100 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

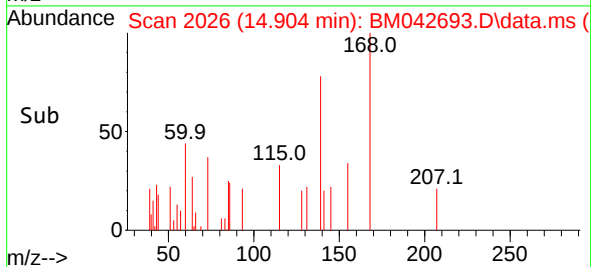
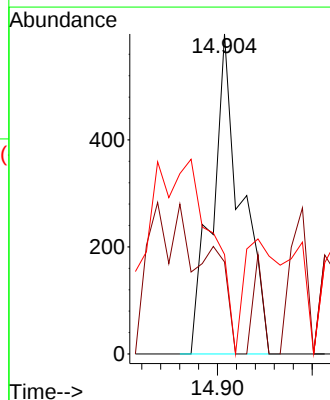
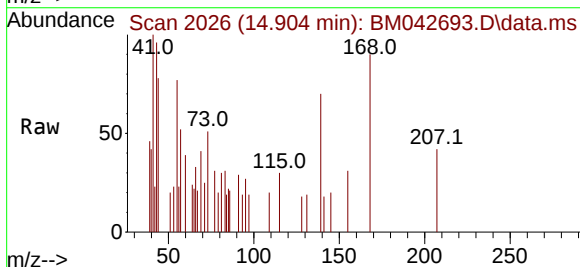
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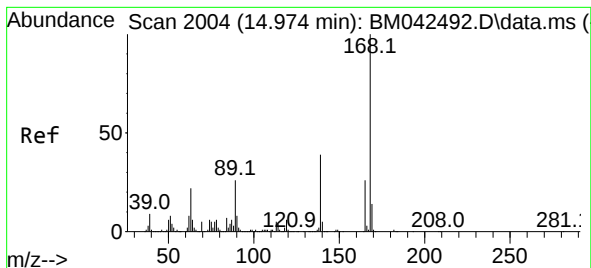
Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 0.0 49.4 74.2#
138 0.0 66.9 100.3#



#56
4-Nitrophenol
Concen: 7.283 ng
RT: 14.904 min Scan# 2026
Delta R.T. 0.147 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

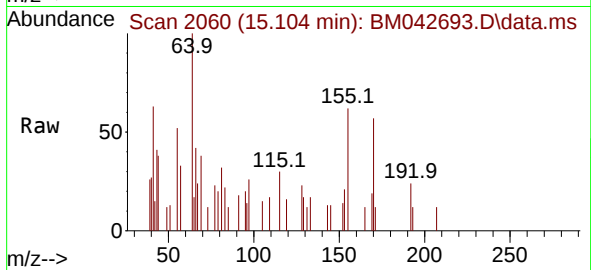
Tgt Ion: 139 Resp: 638
Ion Ratio Lower Upper
139 100
109 28.8 61.3 101.3#
65 31.1 100.2 140.2#



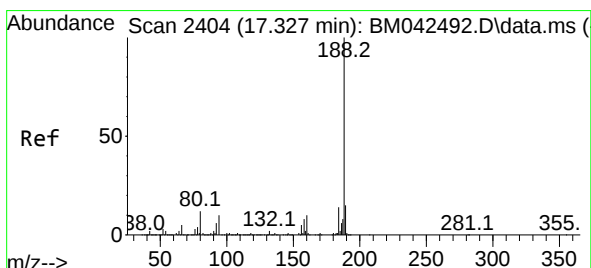
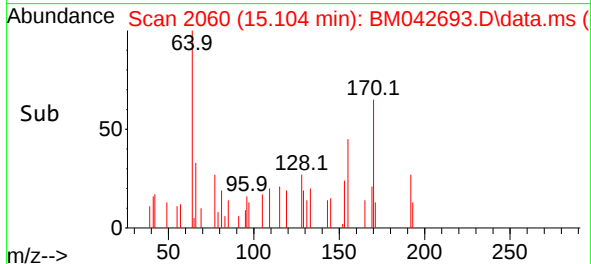
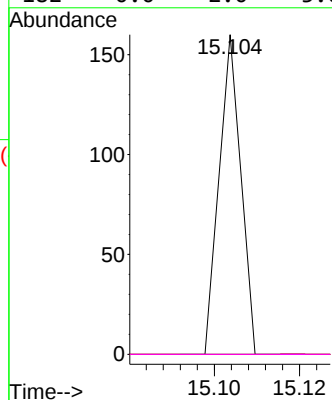


#57
2,4-Dinitrotoluene
Concen: 3.989 ng
RT: 15.104 min Scan# 20
Delta R.T. 0.194 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Instrument :
BNA_M
ClientSampleId :

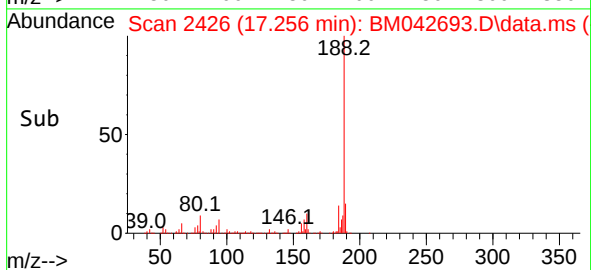
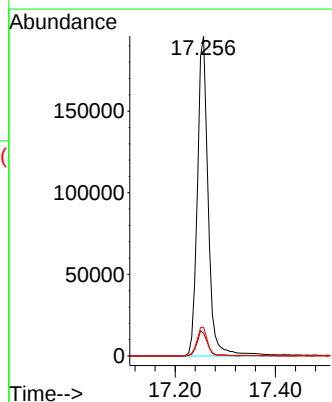
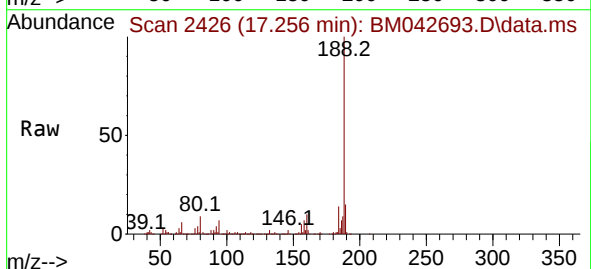


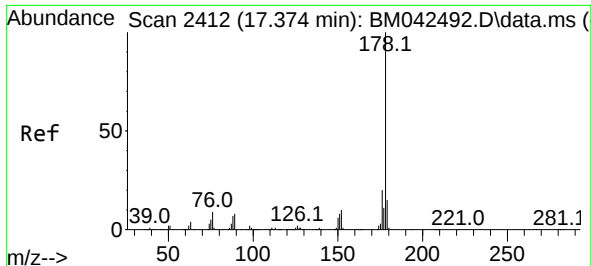
Tgt Ion:165 Resp: 56
Ion Ratio Lower Upper
165 100
63 0.0 66.7 100.1#
89 0.0 80.2 120.4#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.256 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Tgt Ion:188 Resp: 292466
Ion Ratio Lower Upper
188 100
94 7.1 8.2 12.4#
80 9.0 9.4 14.2#

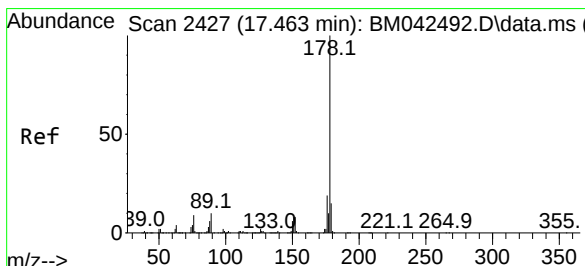
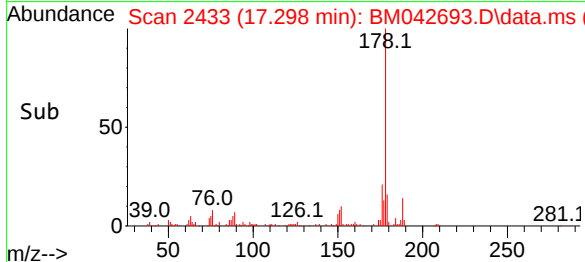
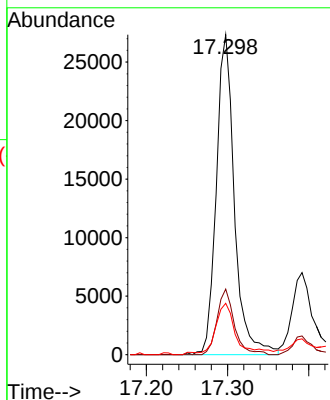
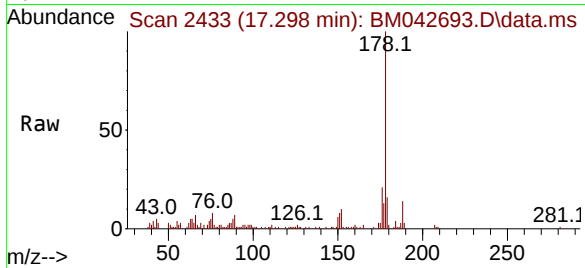




#71
Phenanthrene
Concen: 2.779 ng
RT: 17.298 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

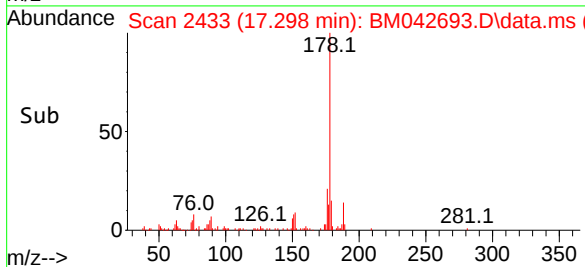
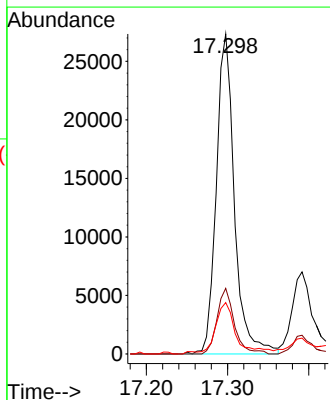
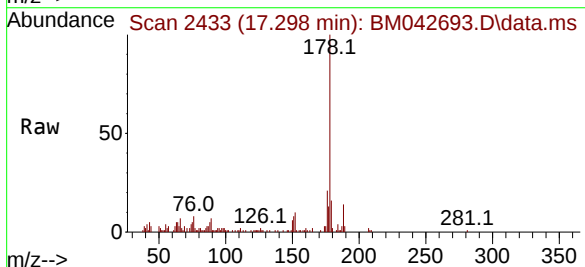
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BNA_M
ClientSampleId :

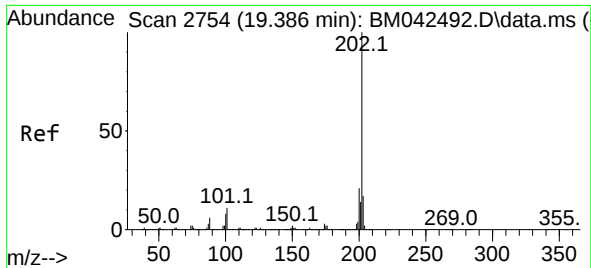
Tgt Ion:178 Resp: 42472
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.8
179 16.0 12.2 18.4



#72
Anthracene
Concen: 2.806 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.094 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Tgt Ion:178 Resp: 42472
Ion Ratio Lower Upper
178 100
176 20.5 15.2 22.8
179 16.0 12.3 18.5

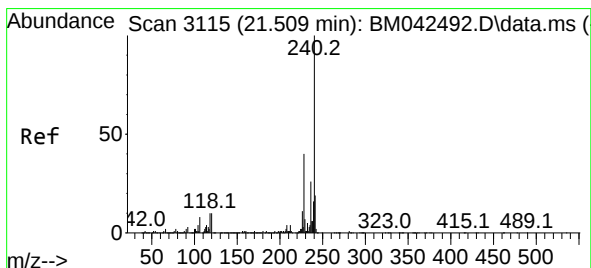
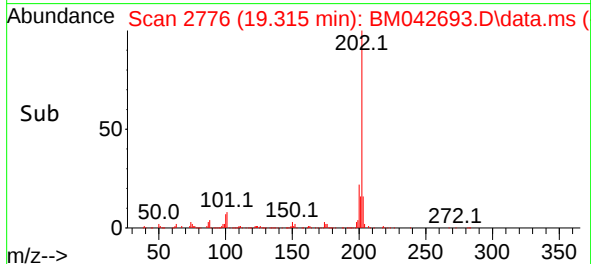
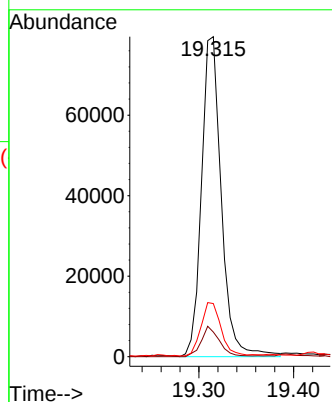
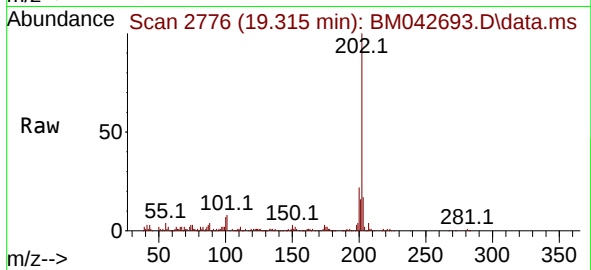




#75
Fluoranthene
Concen: 6.424 ng
RT: 19.315 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

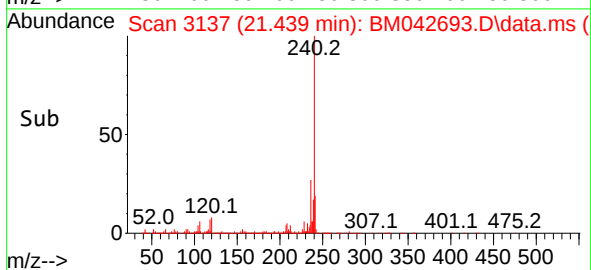
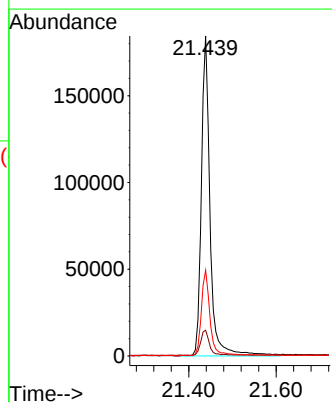
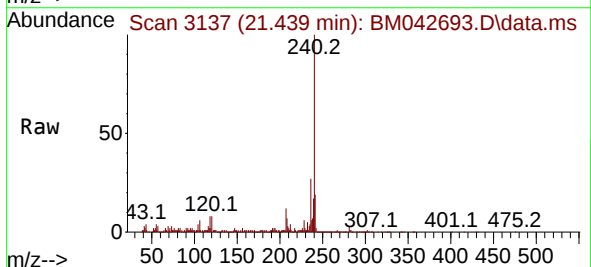
Instrument :
BNA_M
ClientSampleId :

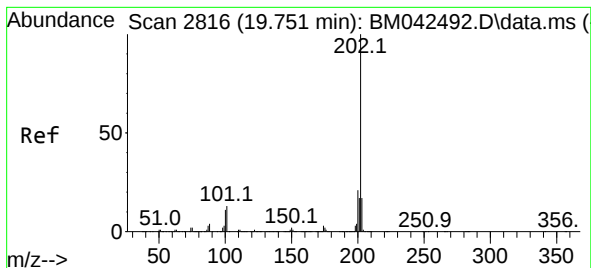
Tgt Ion:202 Resp: 115336
Ion Ratio Lower Upper
202 100
101 7.7 0.0 30.5
203 16.6 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Tgt Ion:240 Resp: 256008
Ion Ratio Lower Upper
240 100
120 8.0 8.3 12.5#
236 26.8 20.8 31.2





#78

Pyrene

Concen: 6.277 ng

RT: 19.680 min Scan# 2816

Delta R.T. -0.000 min

Lab File: BM042693.D

Acq: 10 Nov 2023 16:09

Instrument :

BNA_M

ClientSampleId :

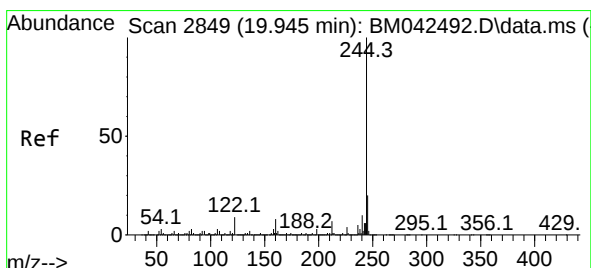
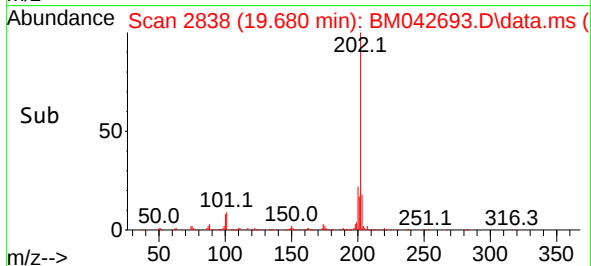
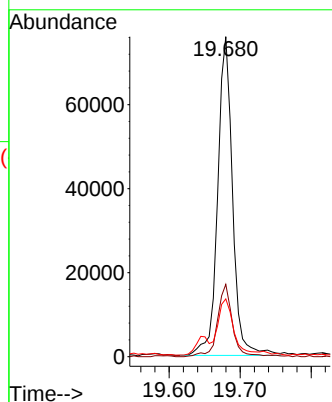
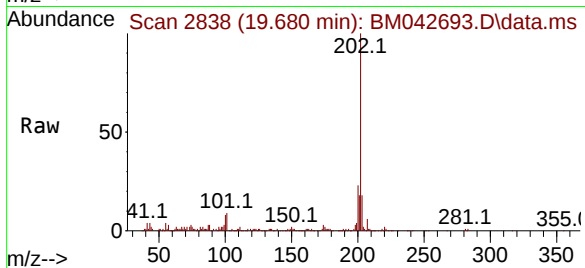
Tgt Ion:202 Resp: 110348

Ion Ratio Lower Upper

202 100

200 22.6 16.9 25.3

203 18.1 13.7 20.5



#79

Terphenyl-d14

Concen: 108.866 ng

RT: 19.874 min Scan# 2871

Delta R.T. -0.000 min

Lab File: BM042693.D

Acq: 10 Nov 2023 16:09

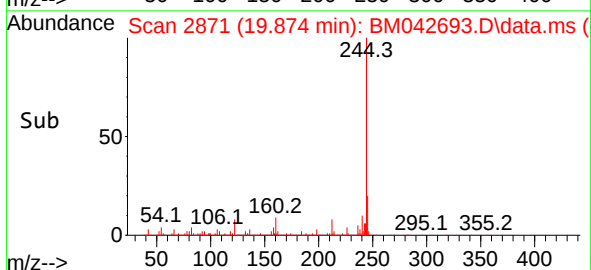
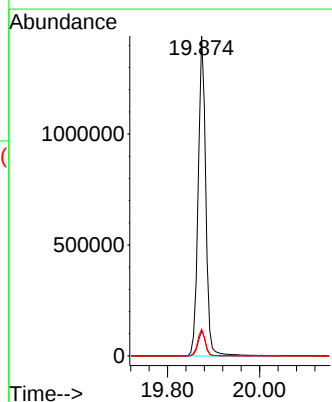
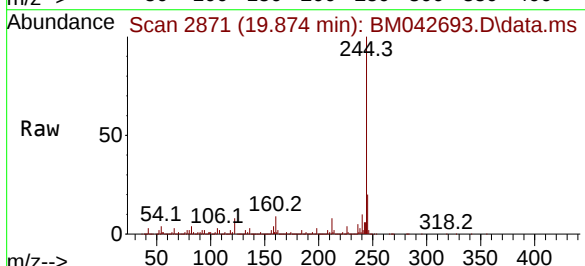
Tgt Ion:244 Resp: 1643696

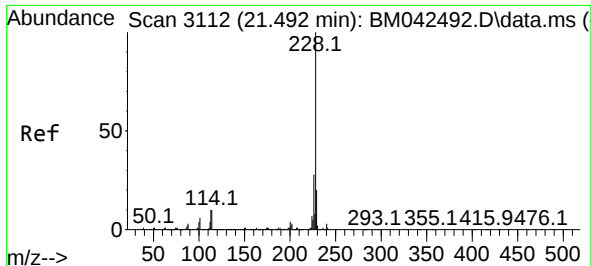
Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.2

122 8.4 7.2 10.8

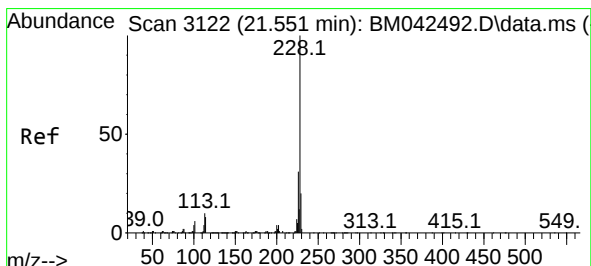
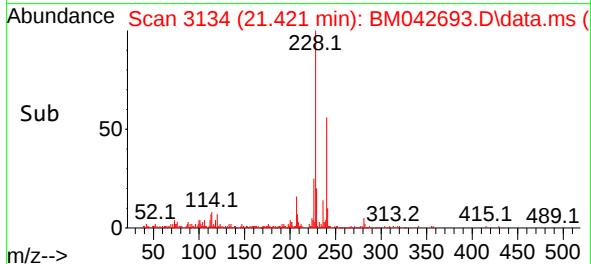
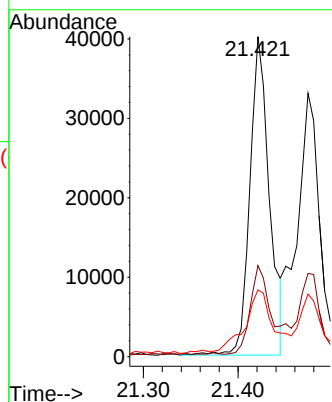
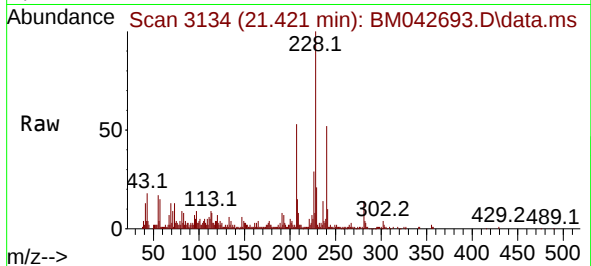




#81
Benzo(a)anthracene
Concen: 3.519 ng
RT: 21.421 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

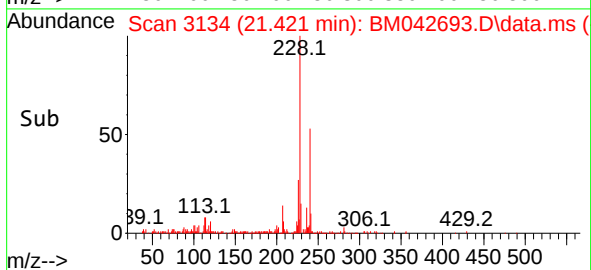
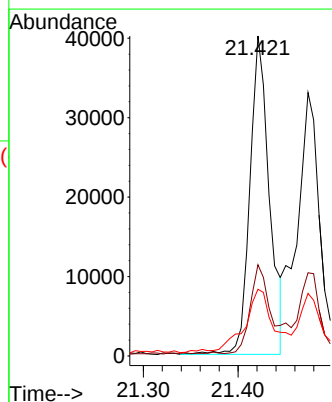
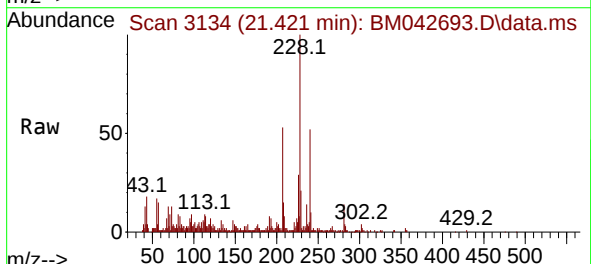
Instrument :
BNA_M
ClientSampleId :

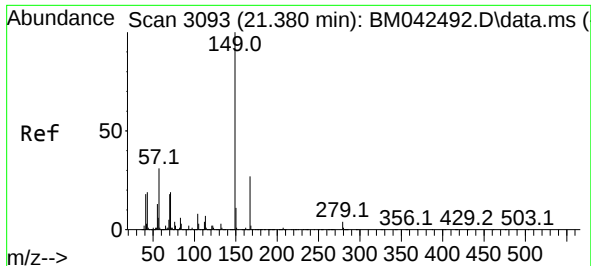
Tgt Ion:228 Resp: 57327
Ion Ratio Lower Upper
228 100
226 28.5 22.3 33.5
229 20.9 15.8 23.8



#83
Chrysene
Concen: 3.465 ng
RT: 21.421 min Scan# 3134
Delta R.T. -0.059 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Tgt Ion:228 Resp: 57327
Ion Ratio Lower Upper
228 100
226 28.5 24.4 36.6
229 20.9 15.7 23.5

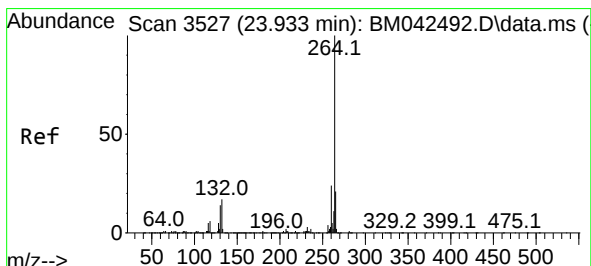
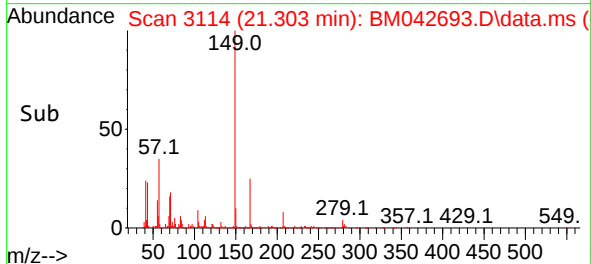
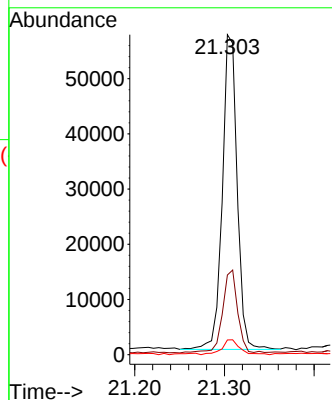
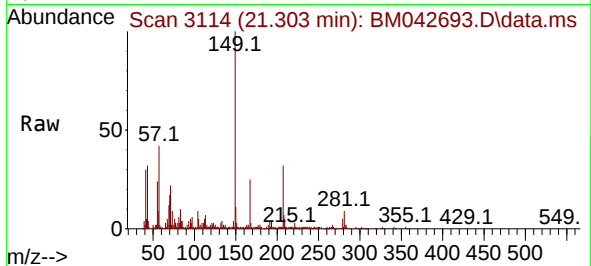




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.777 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

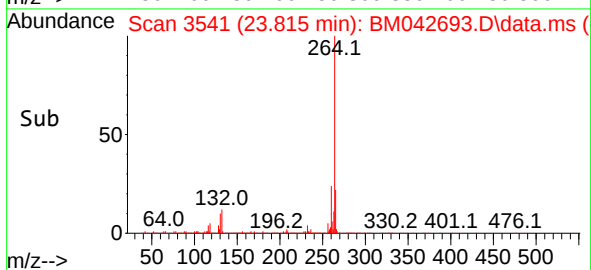
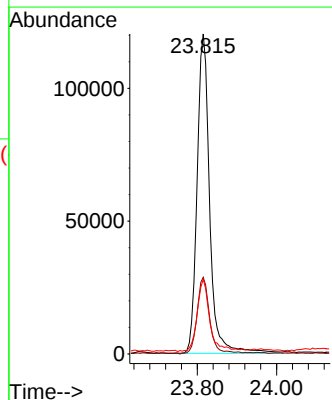
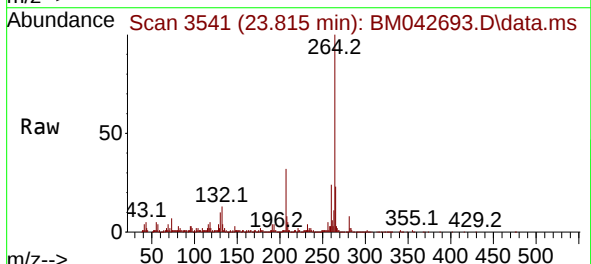
Instrument :
BNA_M
ClientSampleId :

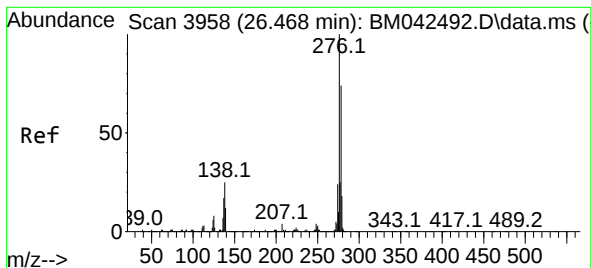
Tgt Ion:149 Resp: 65549
Ion Ratio Lower Upper
149 100
167 24.9 21.4 32.0
279 4.6 3.4 5.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.815 min Scan# 3541
Delta R.T. -0.000 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Tgt Ion:264 Resp: 264031
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 23.4 18.7 28.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.007 ng

RT: 26.285 min Scan# 3417

Delta R.T. -0.018 min

Lab File: BM042693.D

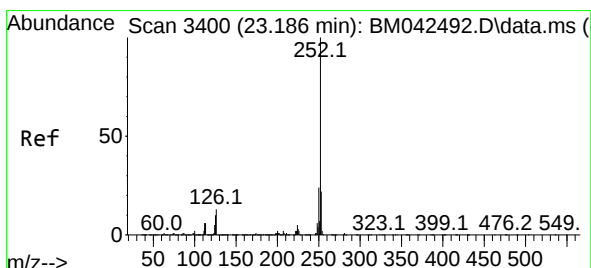
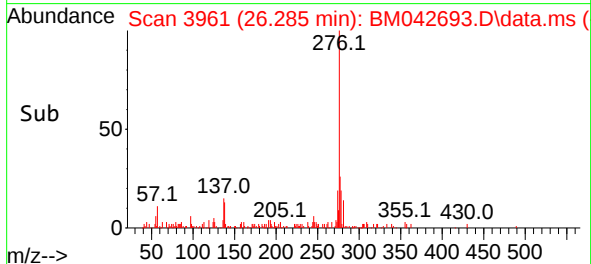
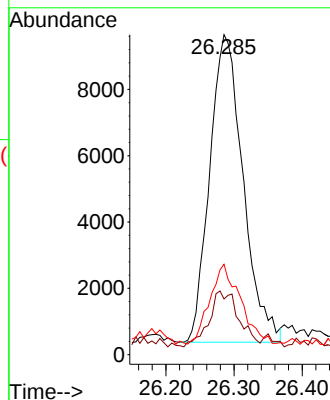
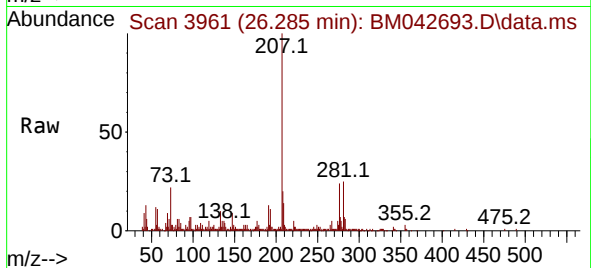
Acq: 10 Nov 2023 16:09

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	276	Resp:	31544
Ion Ratio	Lower	Upper	
276	100		
138	16.2	20.6	31.0#
277	24.0	19.5	29.3



#88

Benzo(b)fluoranthene

Concen: 4.620 ng

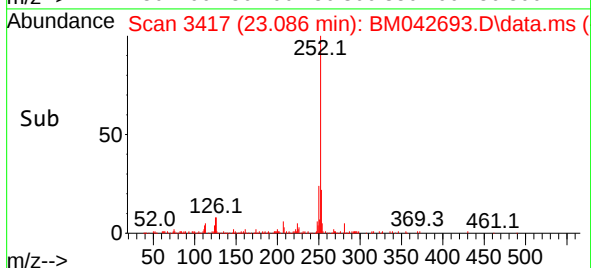
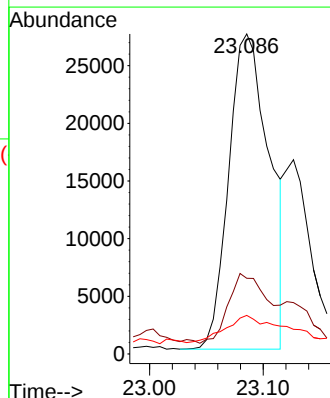
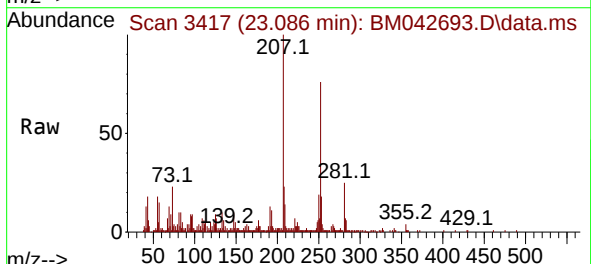
RT: 23.086 min Scan# 3417

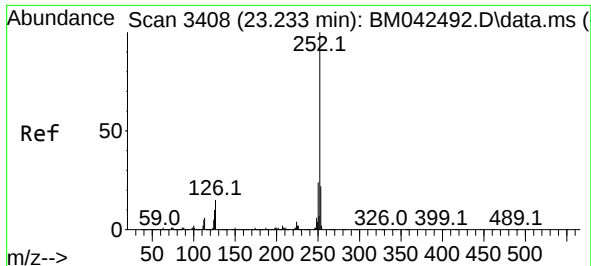
Delta R.T. -0.000 min

Lab File: BM042693.D

Acq: 10 Nov 2023 16:09

Tgt Ion:	252	Resp:	67954
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.5	26.3
125	12.0	7.8	11.6#

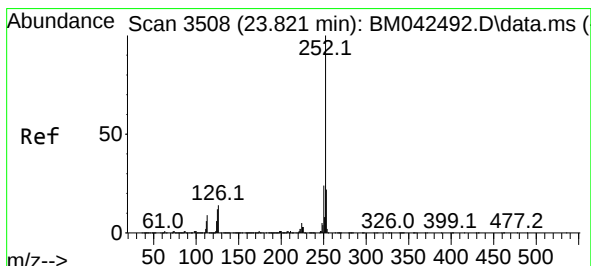
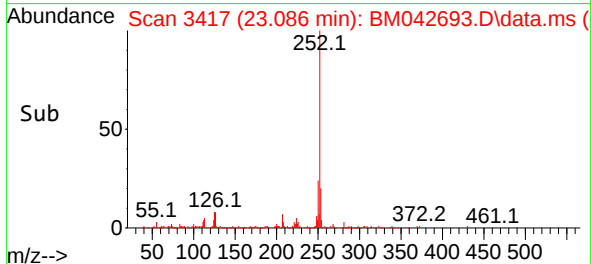
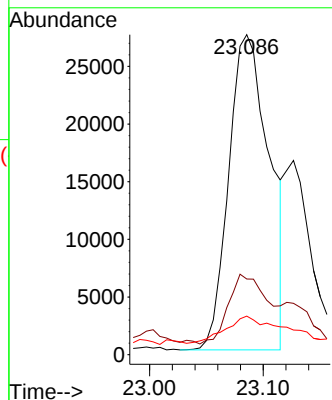
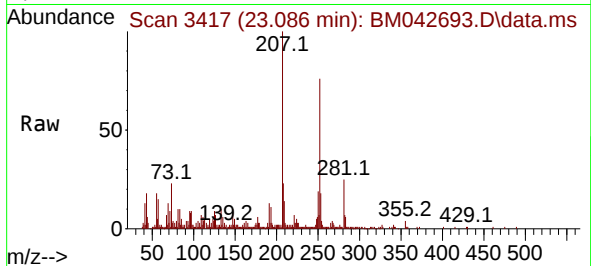




#89
Benzo(k)fluoranthene
Concen: 4.146 ng
RT: 23.086 min Scan# 34
Delta R.T. -0.053 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

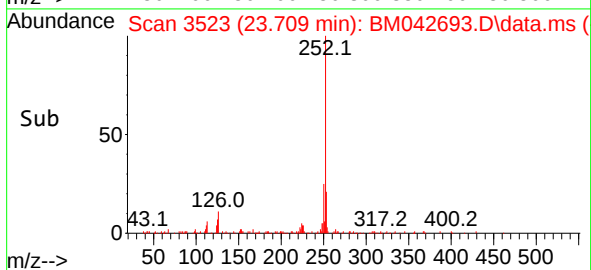
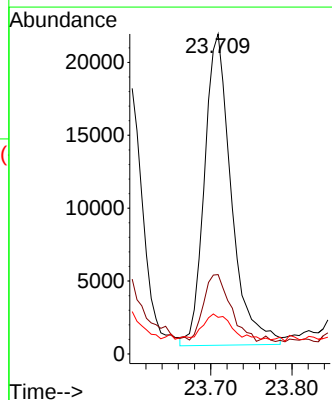
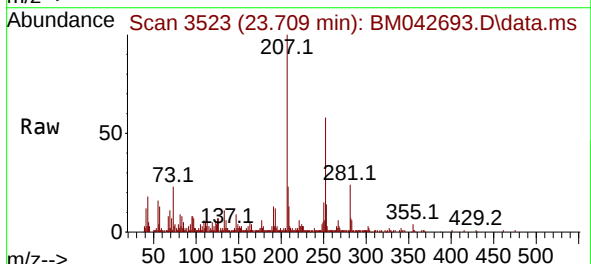
Instrument :
BNA_M
ClientSampleId :

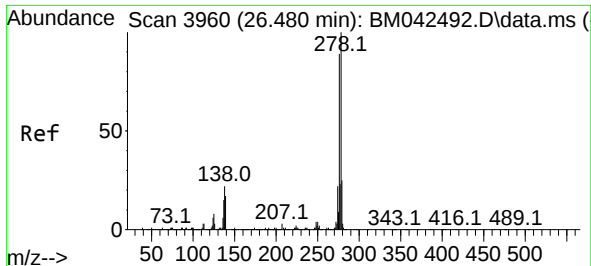
Tgt Ion:252 Resp: 67954
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 12.0 8.2 12.4



#90
Benzo(a)pyrene
Concen: 3.392 ng
RT: 23.709 min Scan# 3523
Delta R.T. -0.006 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Tgt Ion:252 Resp: 49120
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 11.4 9.4 14.2

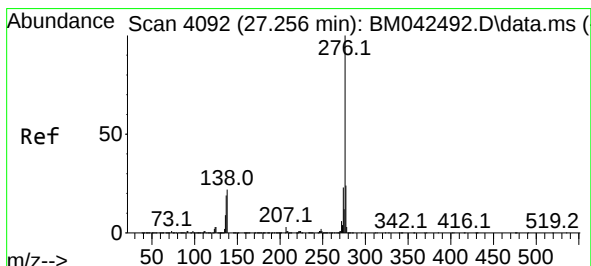
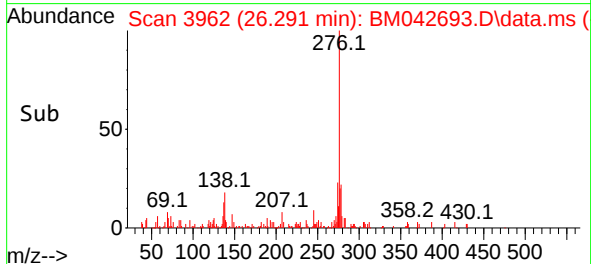
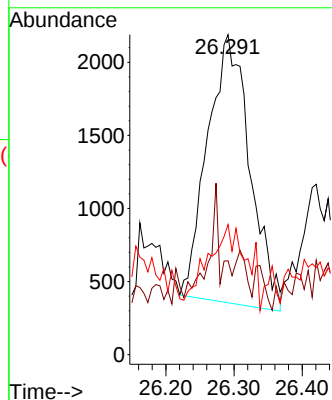
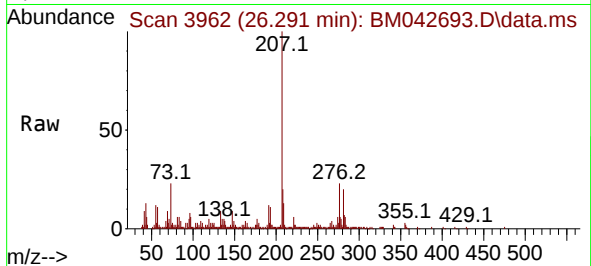




#91
Dibenzo(a,h)anthracene
Concen: 4.635 ng
RT: 26.291 min Scan# 3962
Delta R.T. -0.024 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 7892
Ion Ratio Lower Upper
278 100
139 29.3 13.4 20.2#
279 40.7 19.7 29.5#



#92
Benzo(g,h,i)perylene
Concen: 2.467 ng
RT: 27.062 min Scan# 4093
Delta R.T. -0.018 min
Lab File: BM042693.D
Acq: 10 Nov 2023 16:09

Tgt Ion:276 Resp: 34174
Ion Ratio Lower Upper
276 100
277 29.2 19.2 28.8#
138 22.0 17.3 25.9

