

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012623\
 Data File : BN023807.D
 Acq On : 25 Jan 2023 23:02
 Operator : CG/JU
 Sample : 01259-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SP-303-20230120

Quant Time: Jan 26 00:44:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 26 00:40:21 2023
 Response via : Initial Calibration

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

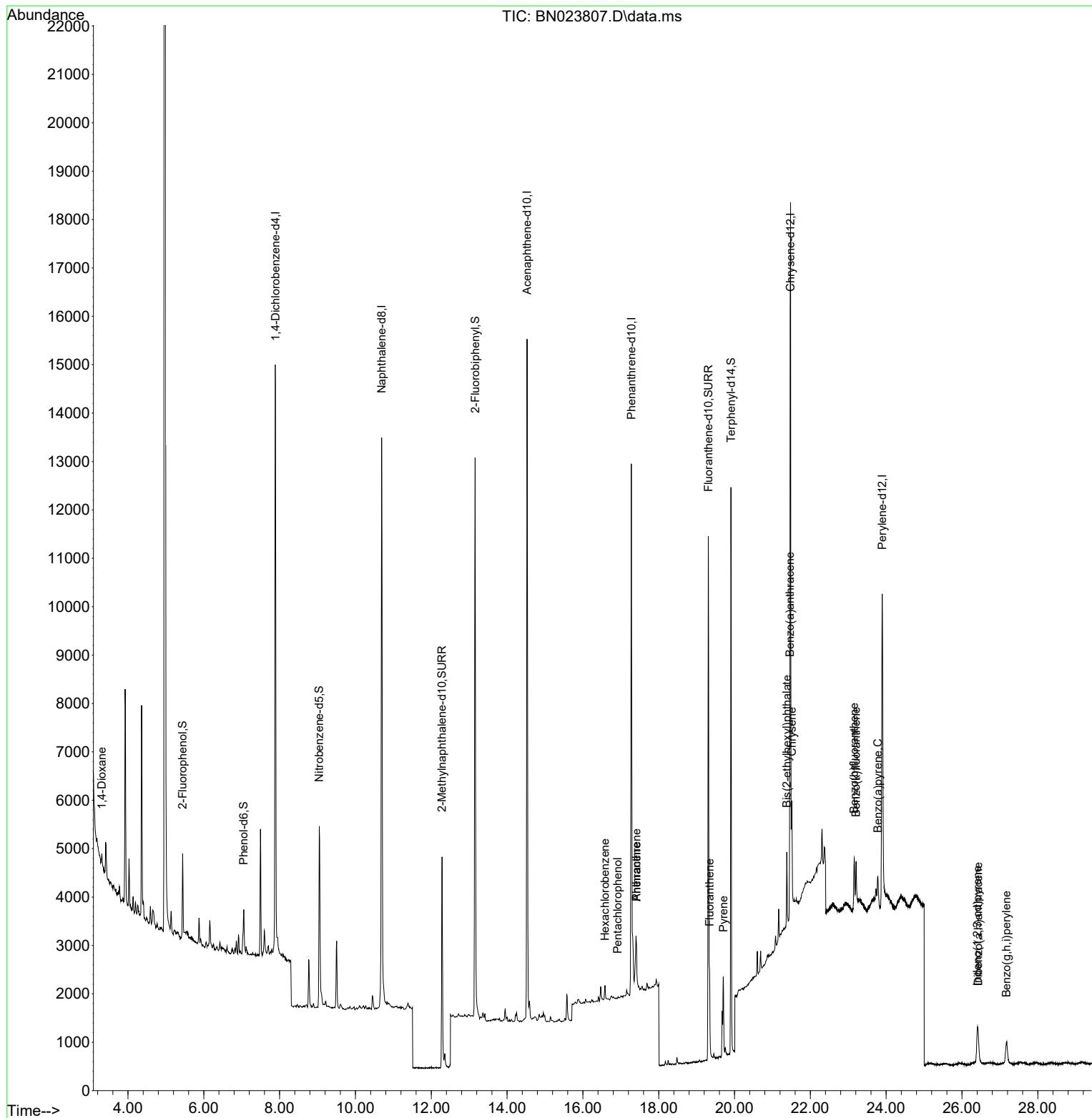
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.890	152	6106	0.400	ng	0.00
7) Naphthalene-d8	10.690	136	16535	0.400	ng	0.00
13) Acenaphthene-d10	14.527	164	8138	0.400	ng	0.00
19) Phenanthrene-d10	17.278	188	15336	0.400	ng	0.00
29) Chrysene-d12	21.477	240	13911	0.400	ng	# 0.00
35) Perylene-d12	23.896	264	9803	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.442	112	1366	0.106	ng	0.00
5) Phenol-d6	7.053	99	991	0.065	ng	0.00
8) Nitrobenzene-d5	9.046	82	3633	0.278	ng	0.00
11) 2-Methylnaphthalene-d10	12.283	152	6462	0.283	ng	0.00
14) 2,4,6-Tribromophenol	16.024	330	16	0.005	ng	0.00
15) 2-Fluorobiphenyl	13.159	172	10748	0.310	ng	0.00
27) Fluoranthene-d10	19.308	212	12717	0.354	ng	0.00
31) Terphenyl-d14	19.907	244	13703	0.625	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.311	88	138	0.021	ng	# 7
22) Hexachlorobenzene	16.583	284	246	0.023	ng	98
24) Pentachlorophenol	16.918	266	10	0.164	ng	# 1
25) Phenanthrene	17.414	178	918	0.021	ng	100
26) Anthracene	17.414	178	836	0.023	ng	97
28) Fluoranthene	19.342	202	1452	0.030	ng	97
30) Pyrene	19.705	202	1519	0.029	ng	98
32) Benzo(a)anthracene	21.459	228	1454	0.033	ng	94
33) Chrysene	21.513	228	1750	0.035	ng	95
34) Bis(2-ethylhexyl)phtha...	21.378	149	1502	0.076	ng	# 93
36) Indeno(1,2,3-cd)pyrene	26.402	276	1100	0.025	ng	94
37) Benzo(b)fluoranthene	23.157	252	1425	0.035	ng	# 20
38) Benzo(k)fluoranthene	23.206	252	1209	0.029	ng	# 15
39) Benzo(a)pyrene	23.782	252	929	0.031	ng	# 1
40) Dibenzo(a,h)anthracene	26.425	278	821	0.023	ng	# 21
41) Benzo(g,h,i)perylene	27.174	276	1073	0.029	ng	# 64

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

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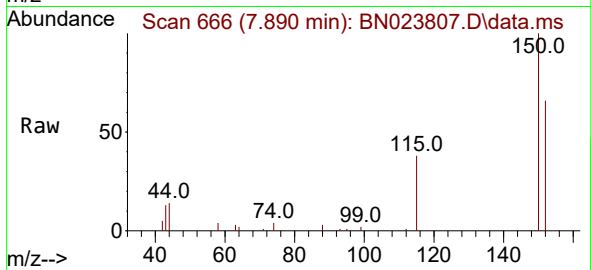
Quant Time: Jan 26 00:44:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 26 00:40:21 2023
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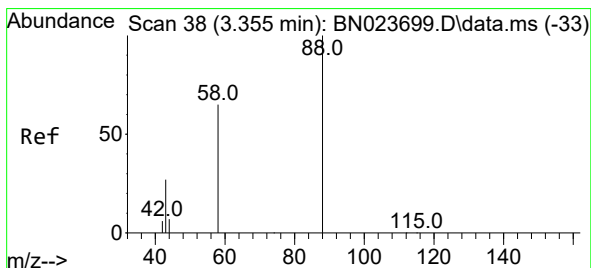
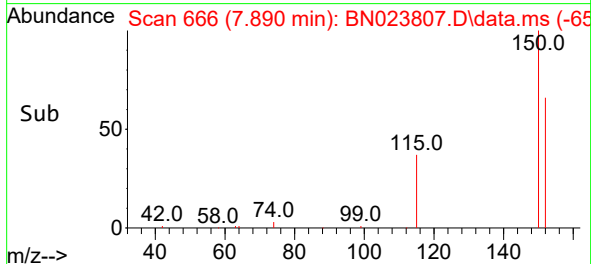
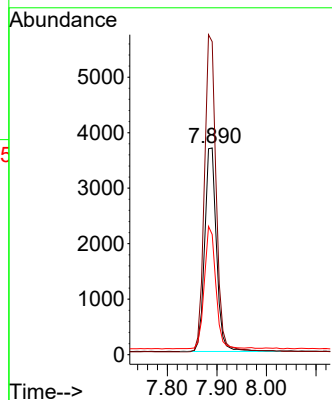


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.890 min Scan# 61
 Delta R.T. -0.001 min
 Lab File: BN023807.D
 Acq: 25 Jan 2023 23:02

Instrument :
 BNA_N
 ClientSampleId :
 SP-303-20230120

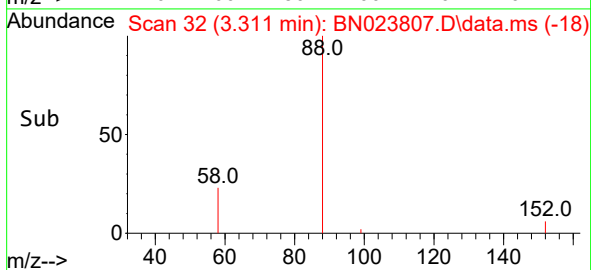
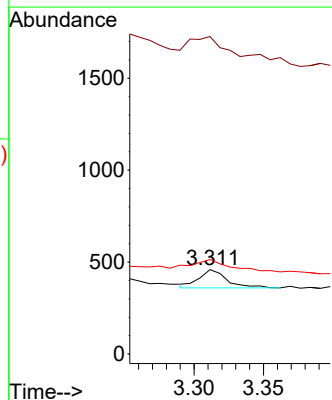
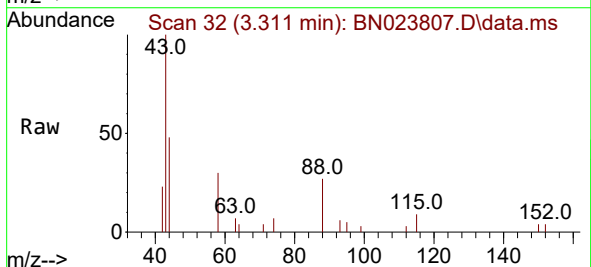


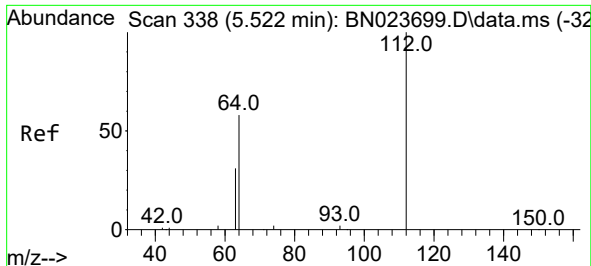
Tgt Ion:152 Resp: 6106
 Ion Ratio Lower Upper
 152 100
 150 151.5 122.4 183.6
 115 58.1 48.2 72.4



#2
 1,4-Dioxane
 Concen: 0.021 ng
 RT: 3.311 min Scan# 32
 Delta R.T. -0.000 min
 Lab File: BN023807.D
 Acq: 25 Jan 2023 23:02

Tgt Ion: 88 Resp: 138
 Ion Ratio Lower Upper
 88 100
 43 167.4 26.8 40.2#
 58 96.4 58.5 87.7#

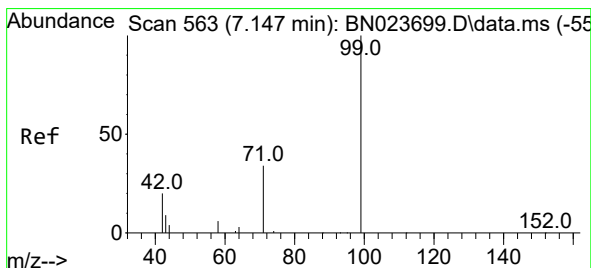
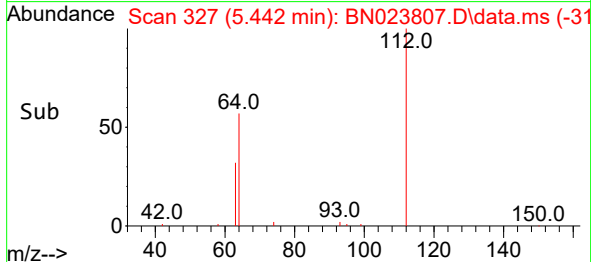
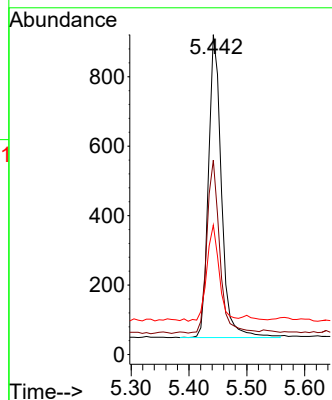
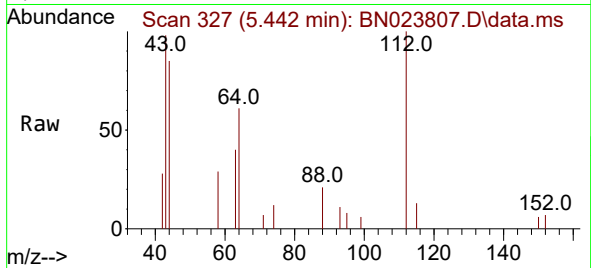




#4
2-Fluorophenol
Concen: 0.106 ng
RT: 5.442 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

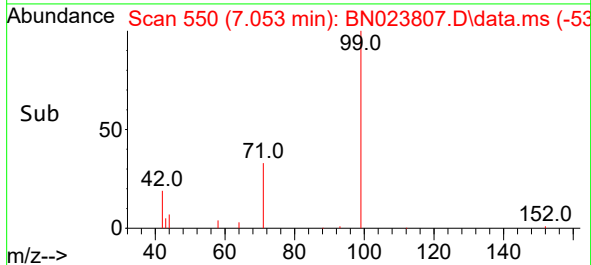
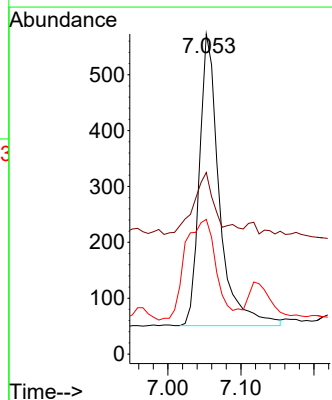
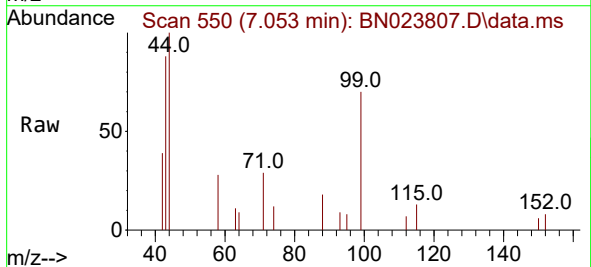
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BNA_N
ClientSampleId :
SP-303-20230120

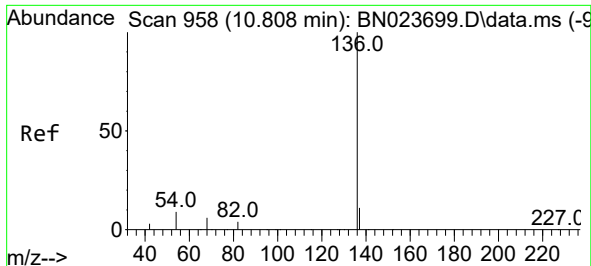
Tgt Ion:112 Resp: 1366
Ion Ratio Lower Upper
112 100
64 55.9 45.8 68.8
63 30.2 25.3 37.9



#5
Phenol-d6
Concen: 0.065 ng
RT: 7.053 min Scan# 550
Delta R.T. -0.000 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

Tgt Ion: 99 Resp: 991
Ion Ratio Lower Upper
99 100
42 23.3 19.4 29.0
71 53.0 28.7 43.1#

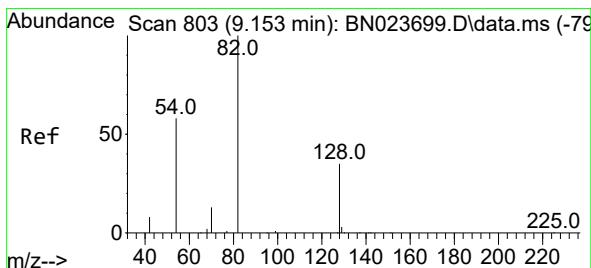
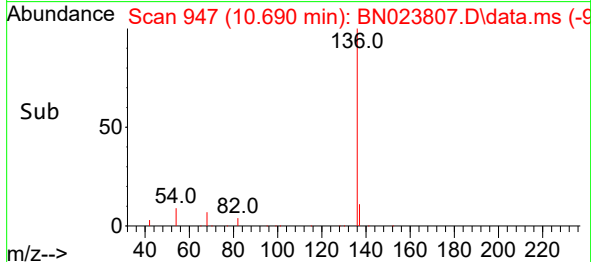
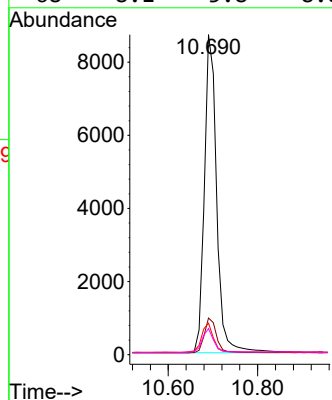
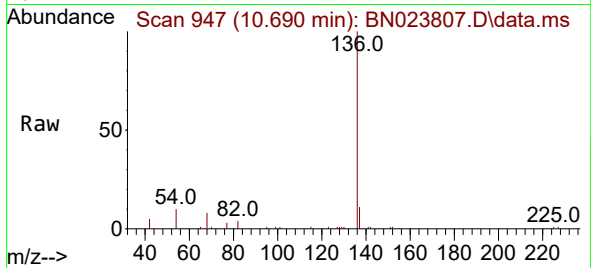




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.690 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

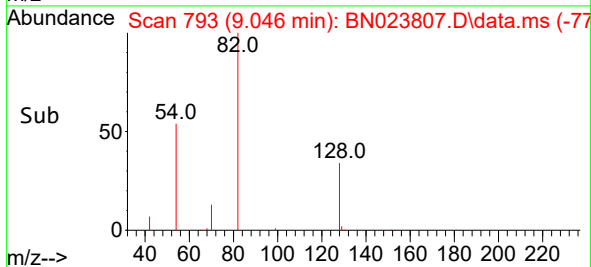
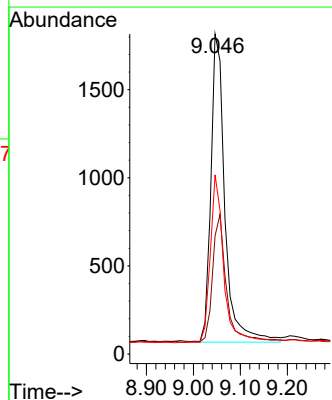
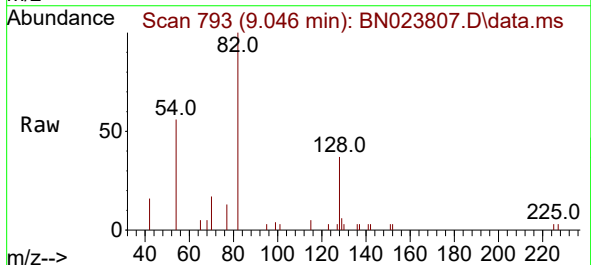
Instrument :
BNA_N
ClientSampleId :
SP-303-20230120

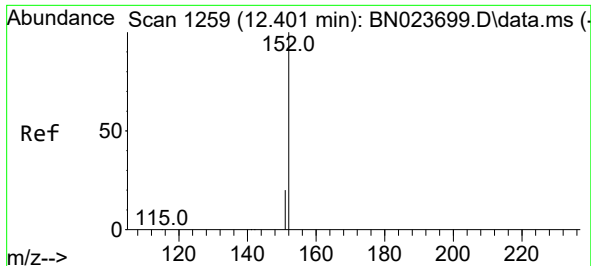
Tgt Ion:	136	Resp:	16535
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.2	13.8
54	9.9	7.5	11.3
68	8.1	5.8	8.8



#8
Nitrobenzene-d5
Concen: 0.278 ng
RT: 9.046 min Scan# 793
Delta R.T. -0.000 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

Tgt Ion:	82	Resp:	3633
Ion Ratio	Lower	Upper	
82	100		
128	36.9	30.2	45.2
54	55.9	47.3	70.9





#11

2-Methylnaphthalene-d10

Concen: 0.283 ng

RT: 12.283 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN023807.D

Acq: 25 Jan 2023 23:02

Instrument :

BNA_N

ClientSampleId :

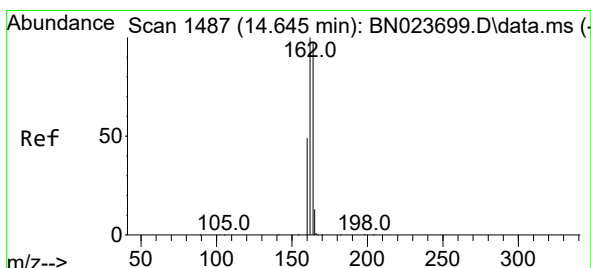
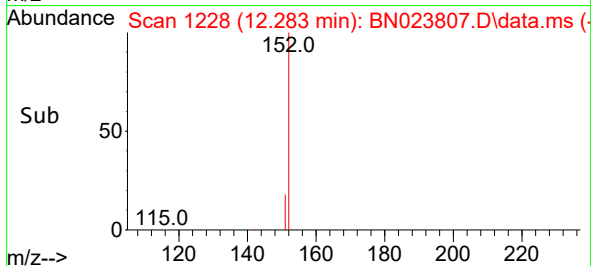
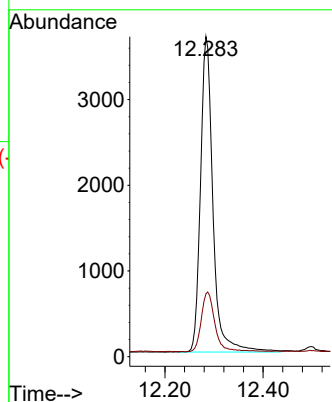
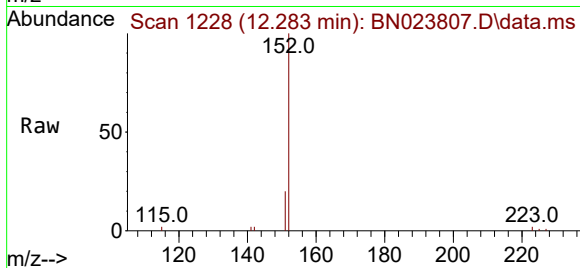
SP-303-20230120

Tgt Ion:152 Resp: 6462

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.527 min Scan# 1476

Delta R.T. -0.000 min

Lab File: BN023807.D

Acq: 25 Jan 2023 23:02

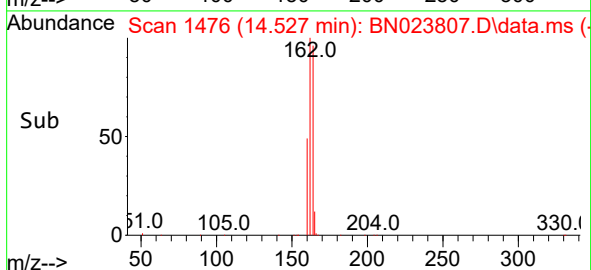
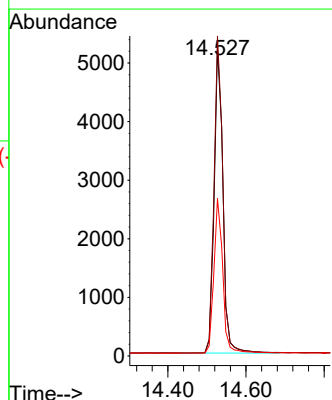
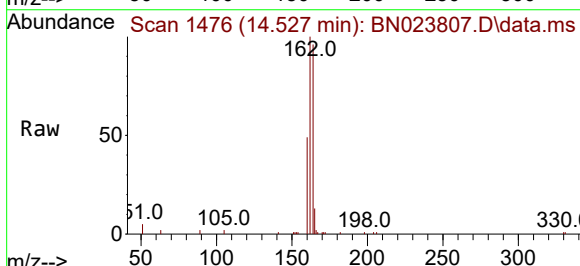
Tgt Ion:164 Resp: 8138

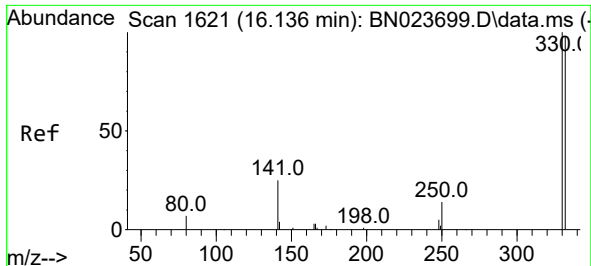
Ion Ratio Lower Upper

164 100

162 104.0 81.8 122.6

160 51.2 40.3 60.5

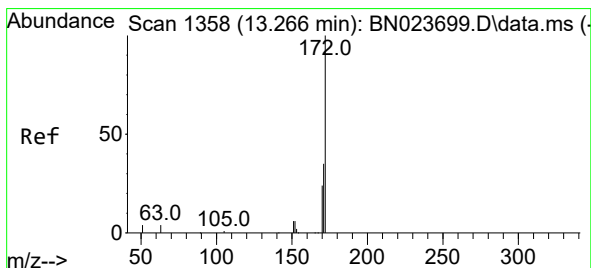
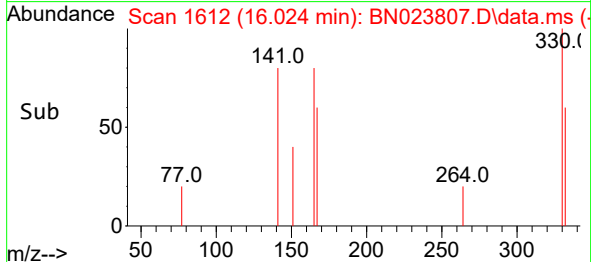
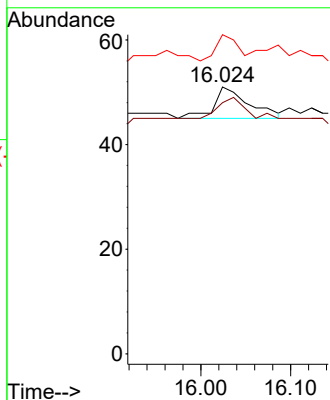
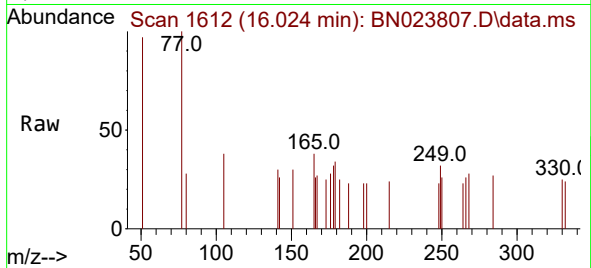




#14
2,4,6-Tribromophenol
Concen: 0.005 ng
RT: 16.024 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

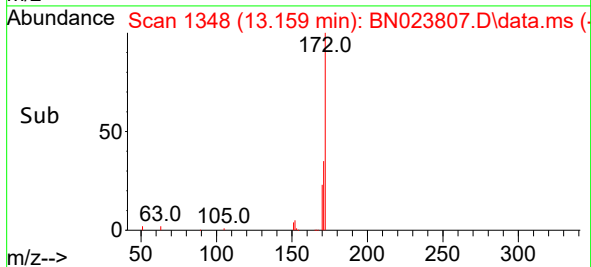
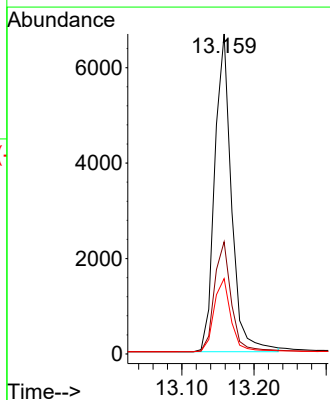
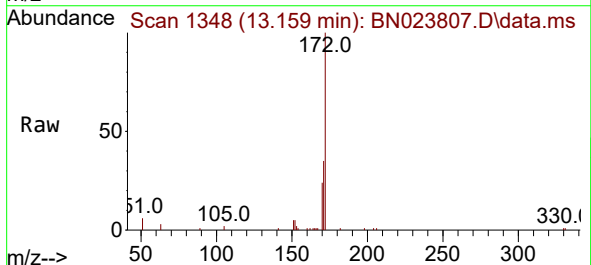
Instrument :
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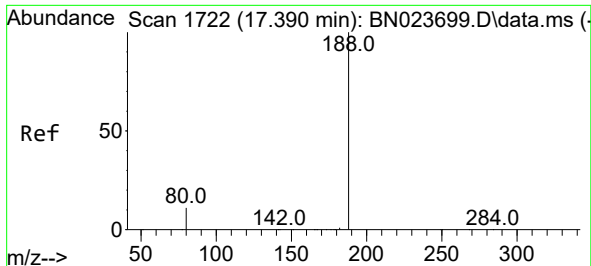
Tgt Ion:330 Resp: 16
Ion Ratio Lower Upper
330 100
332 50.0 77.6 116.4#
141 62.5 35.0 52.4#



#15
2-Fluorobiphenyl
Concen: 0.310 ng
RT: 13.159 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

Tgt Ion:172 Resp: 10748
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.6 20.0 30.0

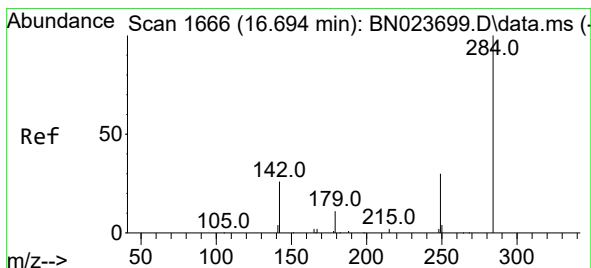
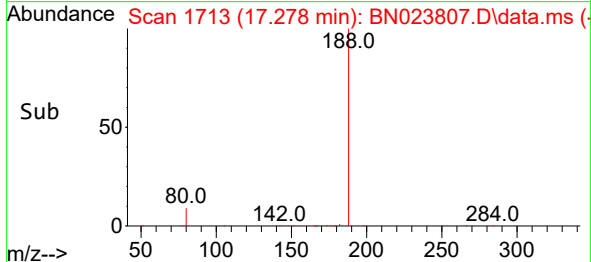
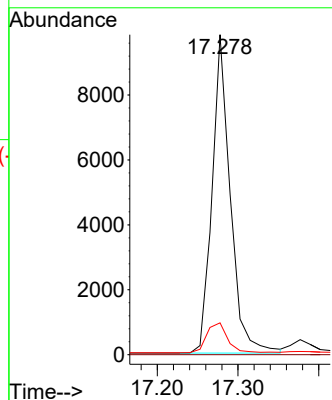
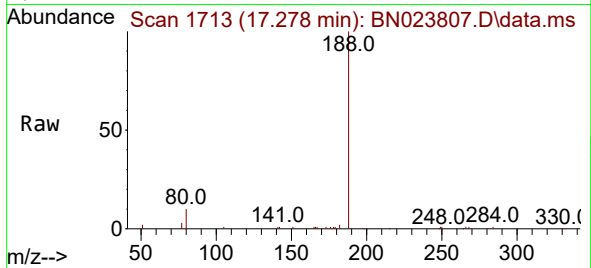




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.278 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

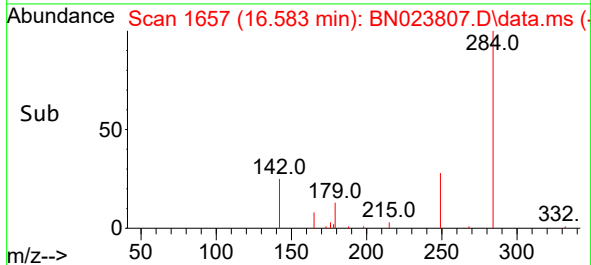
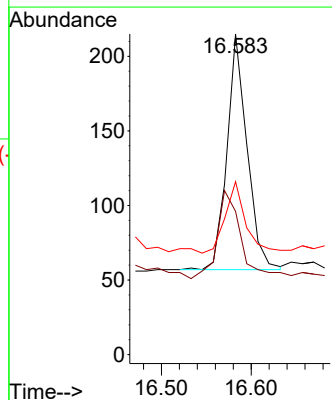
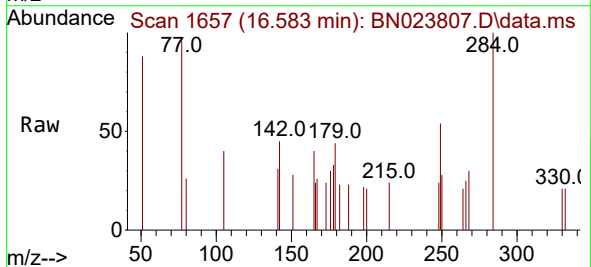
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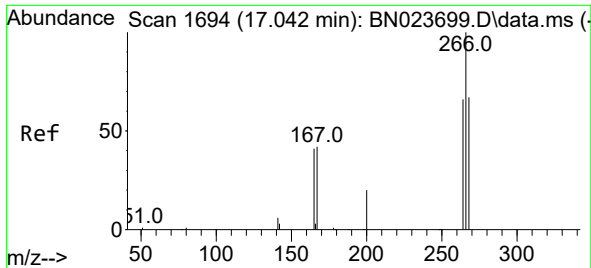
Tgt Ion:188 Resp: 15336
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.0 9.5 14.3



#22
Hexachlorobenzene
Concen: 0.023 ng
RT: 16.583 min Scan# 1657
Delta R.T. -0.000 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

Tgt Ion:284 Resp: 246
Ion Ratio Lower Upper
284 100
142 42.3 32.3 48.5
249 30.9 25.0 37.4

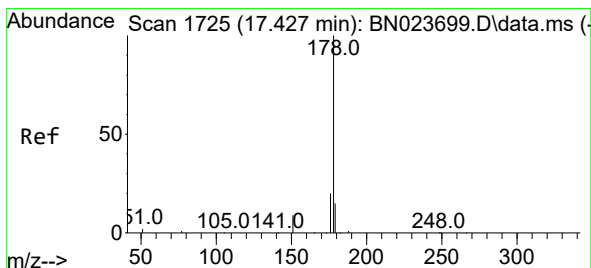
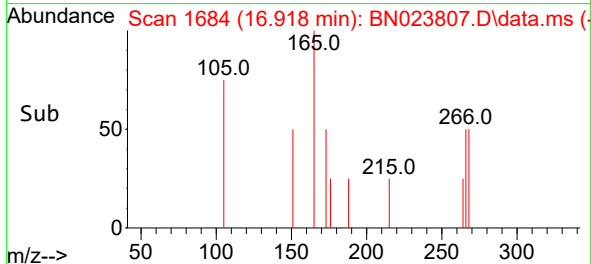
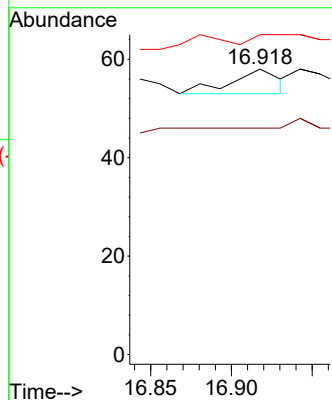
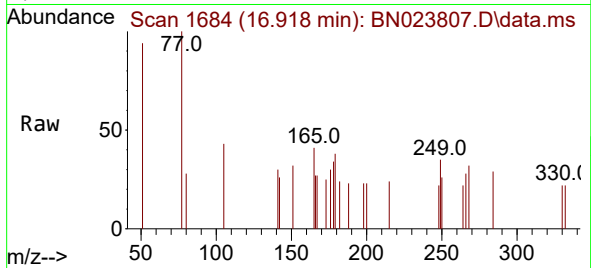




#24
Pentachlorophenol
Concen: 0.164 ng
RT: 16.918 min Scan# 1684
Delta R.T. -0.013 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

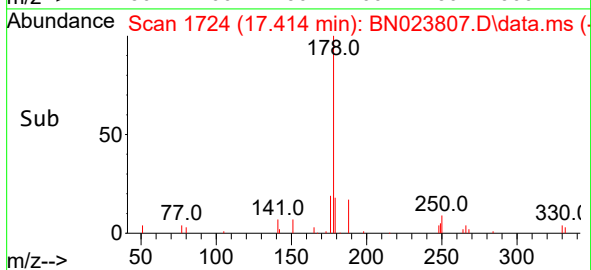
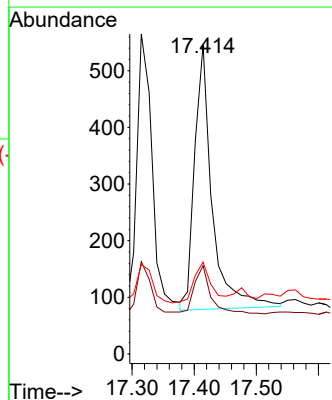
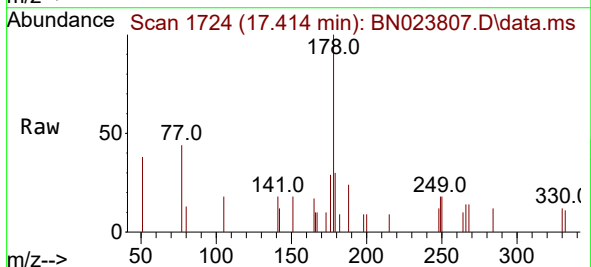
Instrument :
BNA_N
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SP-303-20230120

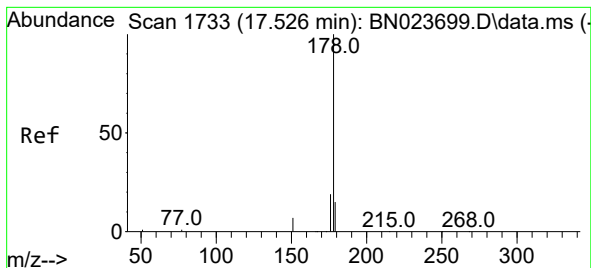
Tgt Ion:266 Resp: 10
Ion Ratio Lower Upper
266 100
264 0.0 51.4 77.2#
268 170.0 52.3 78.5#



#25
Phenanthrene
Concen: 0.021 ng
RT: 17.414 min Scan# 1724
Delta R.T. 0.099 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

Tgt Ion:178 Resp: 918
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.6 12.2 18.4





#26

Anthracene

Concen: 0.023 ng

RT: 17.414 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN023807.D

Acq: 25 Jan 2023 23:02

Instrument :

BNA_N

ClientSampleId :

SP-303-20230120

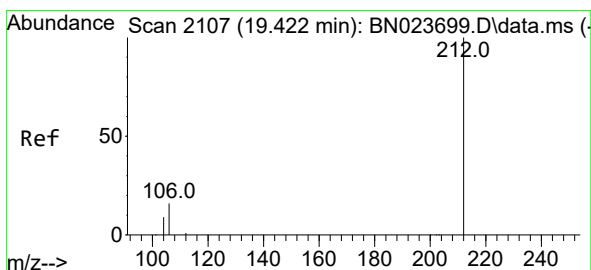
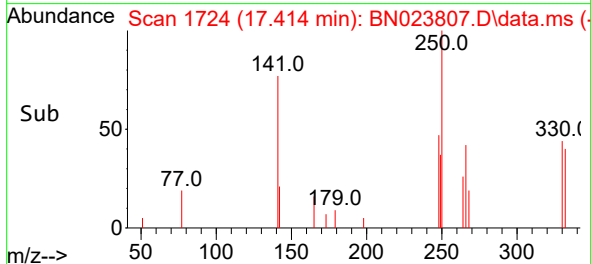
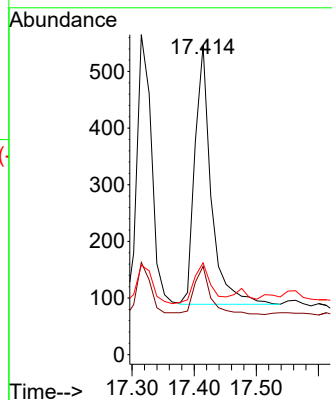
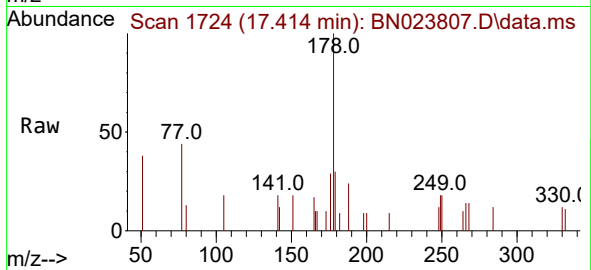
Tgt Ion:178 Resp: 836

Ion Ratio Lower Upper

178 100

176 18.3 15.2 22.8

179 16.7 12.0 18.0



#27

Fluoranthene-d10

Concen: 0.354 ng

RT: 19.308 min Scan# 2080

Delta R.T. -0.000 min

Lab File: BN023807.D

Acq: 25 Jan 2023 23:02

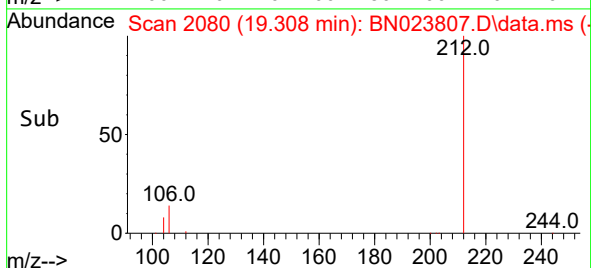
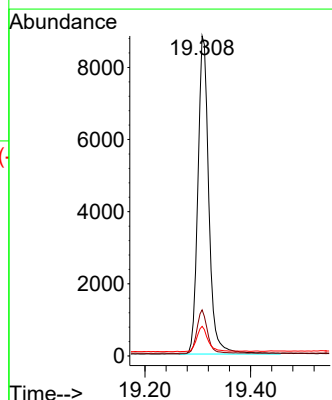
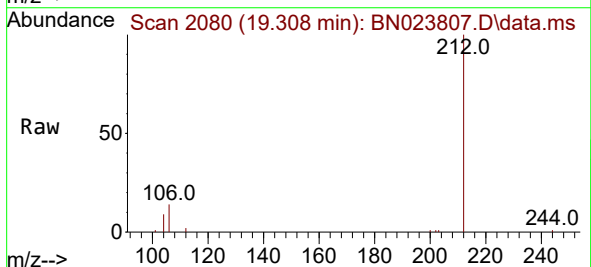
Tgt Ion:212 Resp: 12717

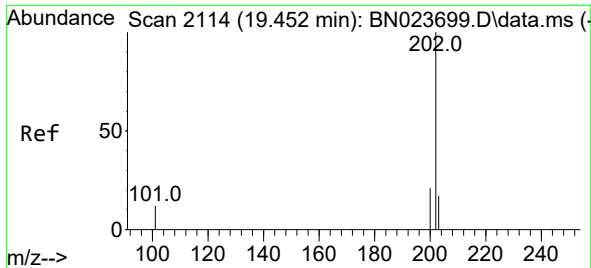
Ion Ratio Lower Upper

212 100

106 13.5 12.4 18.6

104 8.1 7.1 10.7

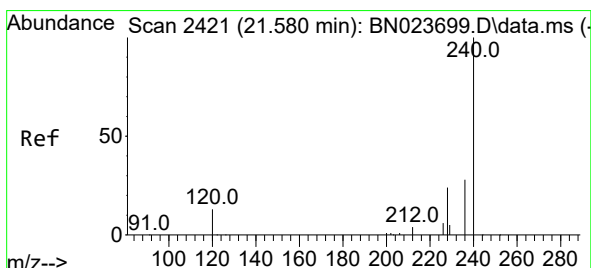
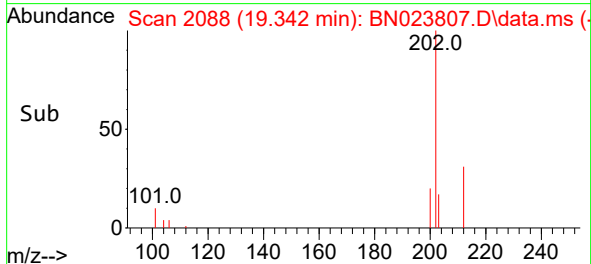
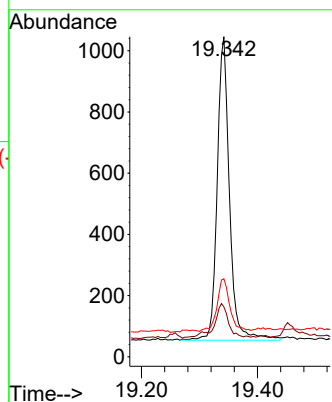
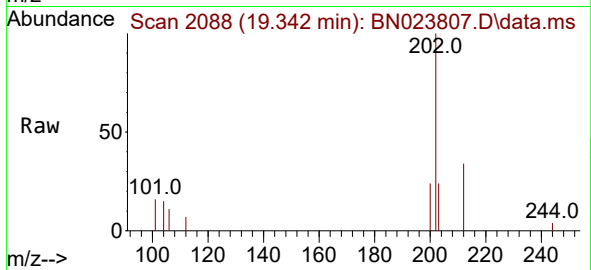




#28
Fluoranthene
Concen: 0.030 ng
RT: 19.342 min Scan# 2088
Delta R.T. -0.000 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

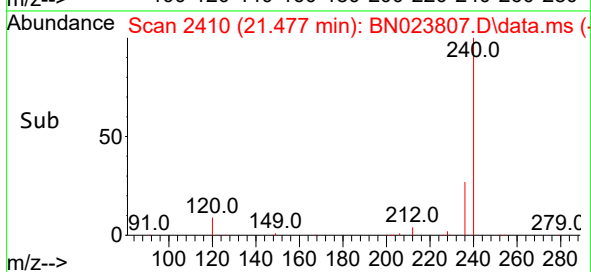
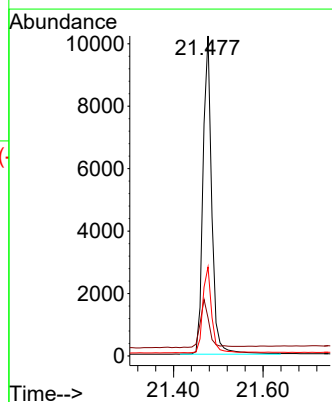
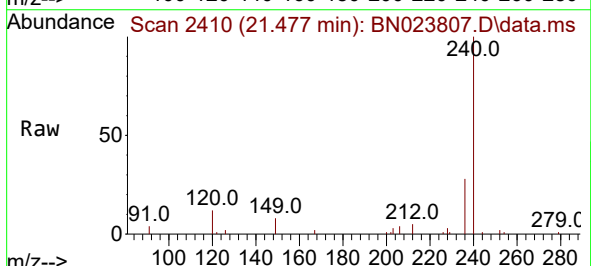
Instrument :
BNA_N
ClientSampleId :
SP-303-20230120

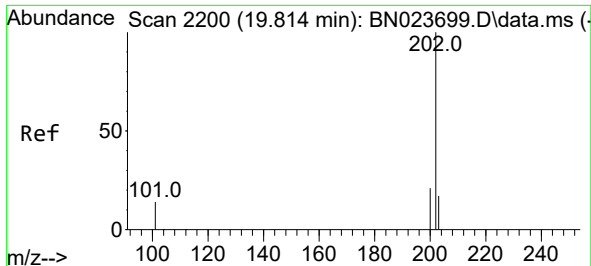
Tgt Ion:202 Resp: 1452
Ion Ratio Lower Upper
202 100
101 10.5 9.7 14.5
203 18.2 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.477 min Scan# 2410
Delta R.T. 0.004 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

Tgt Ion:240 Resp: 13911
Ion Ratio Lower Upper
240 100
120 11.9 12.0 18.0#
236 27.8 22.8 34.2

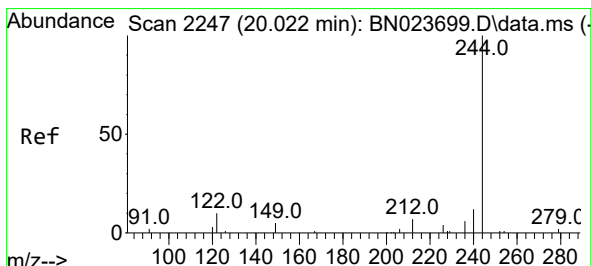
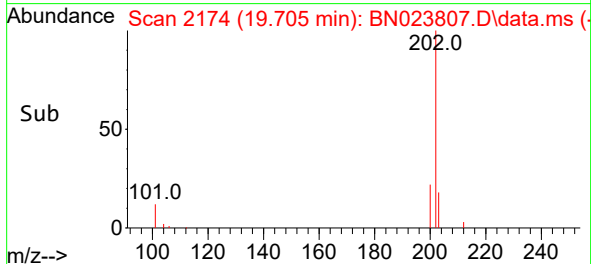
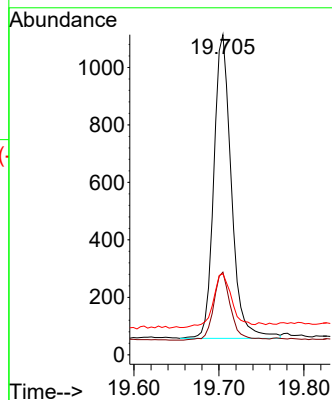
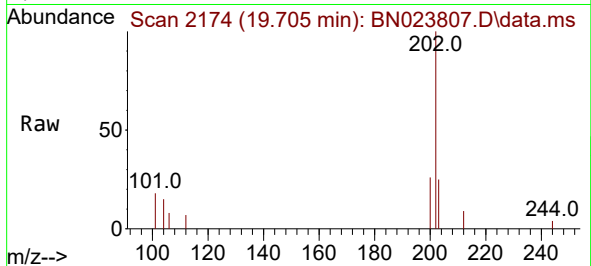




#30
Pyrene
Concen: 0.029 ng
RT: 19.705 min Scan# 2174
Delta R.T. -0.000 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

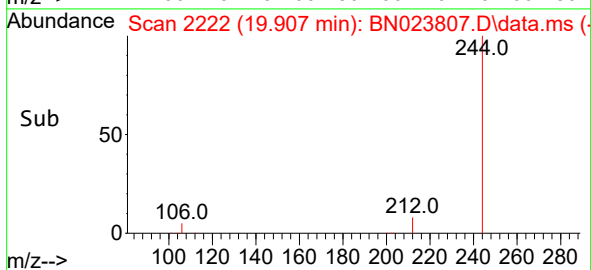
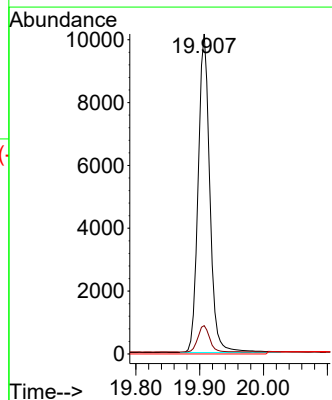
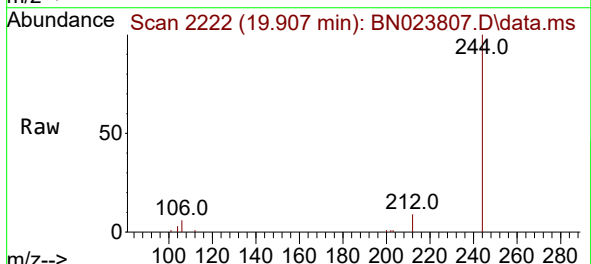
Instrument :
BNA_N
ClientSampleId :
SP-303-20230120

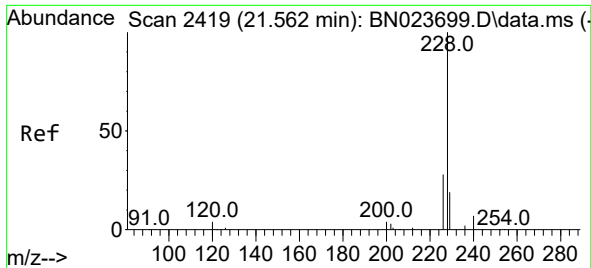
Tgt Ion:202 Resp: 1519
Ion Ratio Lower Upper
202 100
200 21.7 16.9 25.3
203 19.0 14.4 21.6



#31
Terphenyl-d14
Concen: 0.625 ng
RT: 19.907 min Scan# 2222
Delta R.T. -0.000 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

Tgt Ion:244 Resp: 13703
Ion Ratio Lower Upper
244 100
212 8.9 6.5 9.7
122 0.0 7.6 11.4

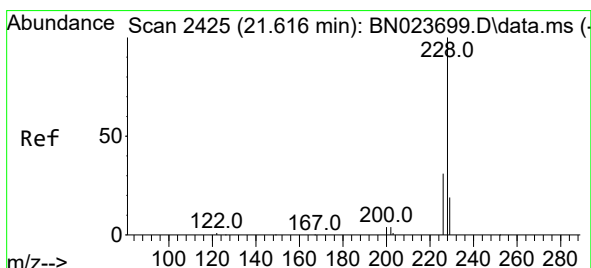
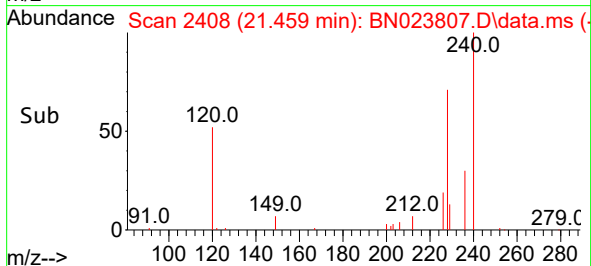
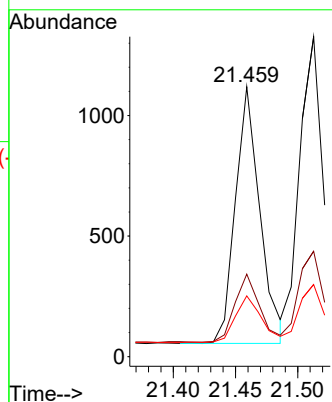
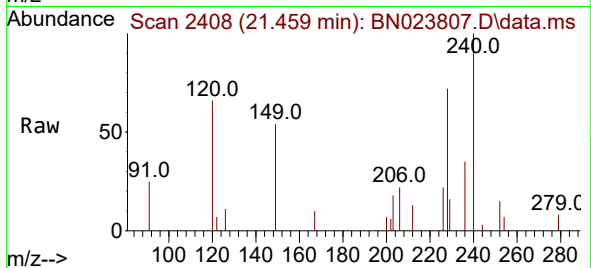




#32
Benzo(a)anthracene
Concen: 0.033 ng
RT: 21.459 min Scan# 2408
Delta R.T. 0.004 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

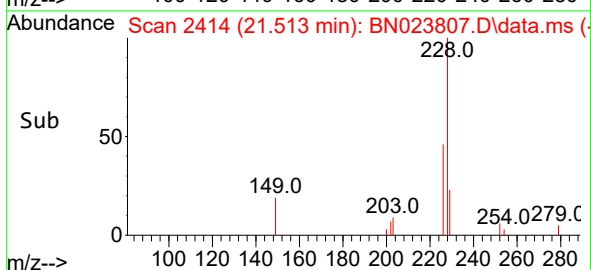
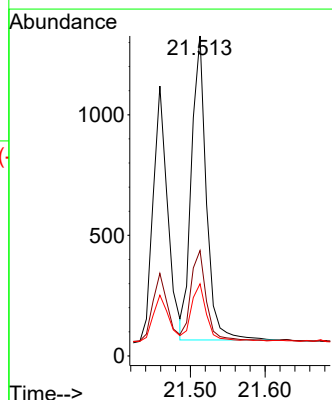
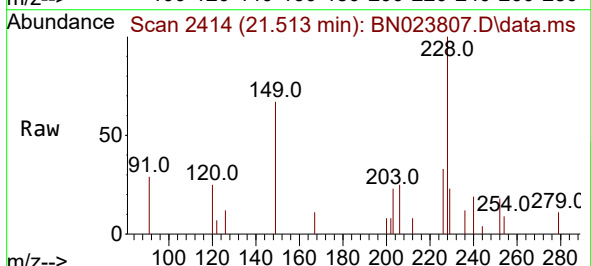
Instrument :
BNA_N
ClientSampleId :
SP-303-20230120

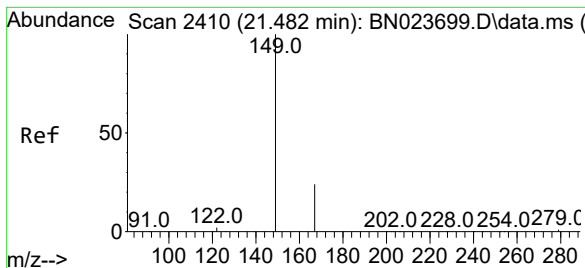
Tgt Ion:228 Resp: 1454
Ion Ratio Lower Upper
228 100
226 30.6 22.4 33.6
229 22.5 15.5 23.3



#33
Chrysene
Concen: 0.035 ng
RT: 21.513 min Scan# 2414
Delta R.T. 0.004 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

Tgt Ion:228 Resp: 1750
Ion Ratio Lower Upper
228 100
226 32.9 24.6 36.8
229 22.5 15.4 23.0

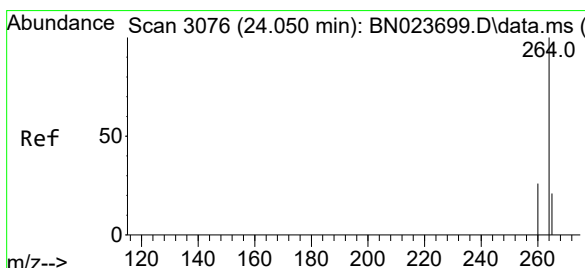
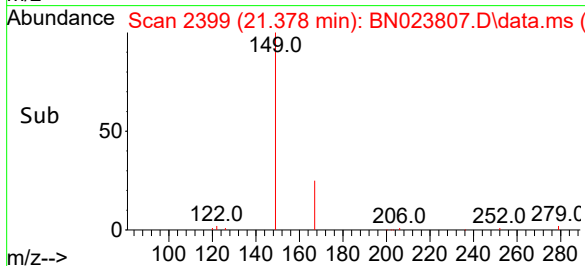
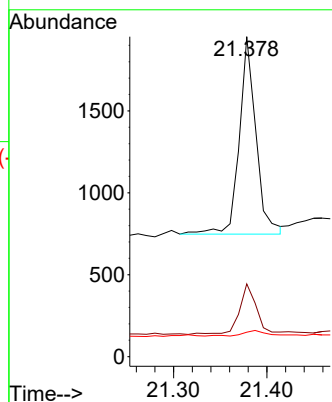
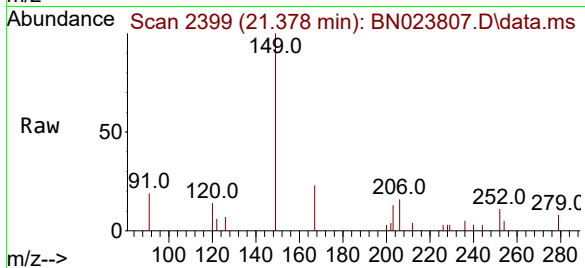




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.076 ng
 RT: 21.378 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BN023807.D
 Acq: 25 Jan 2023 23:02

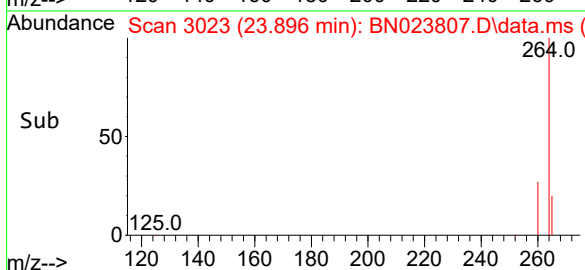
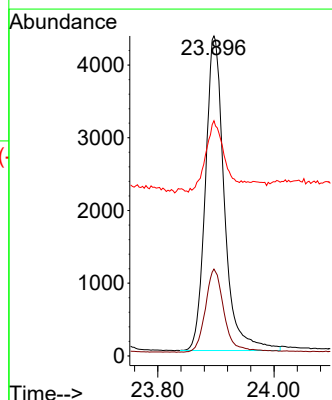
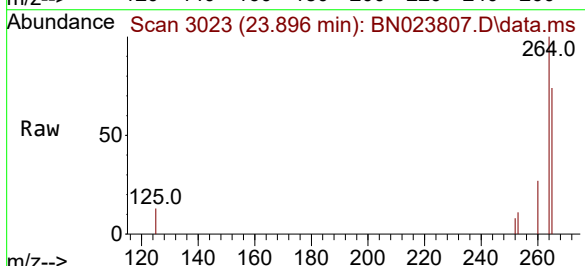
Instrument :
 BNA_N
 ClientSampleId :
 SP-303-20230120

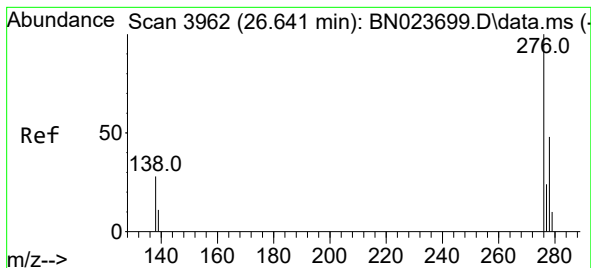
Tgt Ion:149 Resp: 1502
 Ion Ratio Lower Upper
 149 100
 167 28.4 19.8 29.8
 279 4.0 2.5 3.7#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.896 min Scan# 3023
 Delta R.T. 0.001 min
 Lab File: BN023807.D
 Acq: 25 Jan 2023 23:02

Tgt Ion:264 Resp: 9803
 Ion Ratio Lower Upper
 264 100
 260 27.2 21.0 31.6
 265 73.5 49.9 74.9





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.025 ng

RT: 26.402 min Scan# 31

Delta R.T. -0.002 min

Lab File: BN023807.D

Acq: 25 Jan 2023 23:02

Instrument :

BNA_N

ClientSampleId :

SP-303-20230120

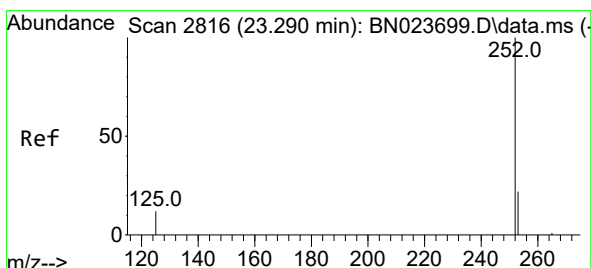
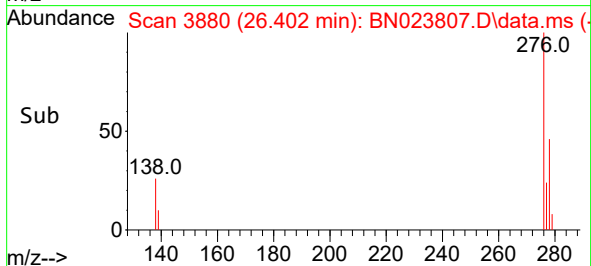
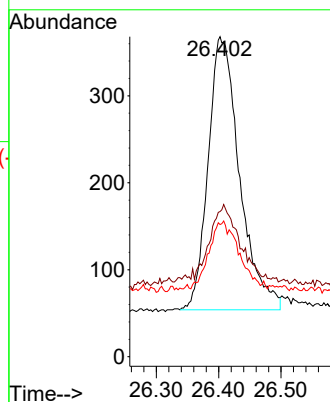
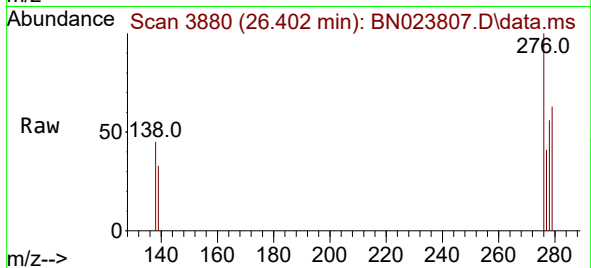
Tgt Ion:276 Resp: 1100

Ion Ratio Lower Upper

276 100

138 25.6 24.0 36.0

277 23.2 19.8 29.8



#37

Benzo(b)fluoranthene

Concen: 0.035 ng

RT: 23.157 min Scan# 2770

Delta R.T. 0.001 min

Lab File: BN023807.D

Acq: 25 Jan 2023 23:02

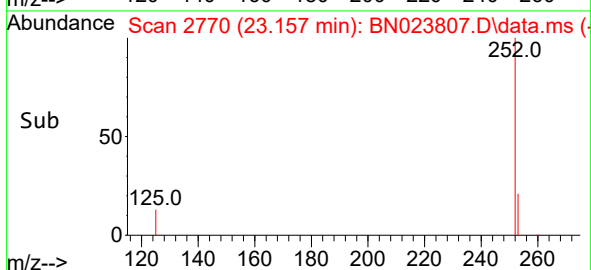
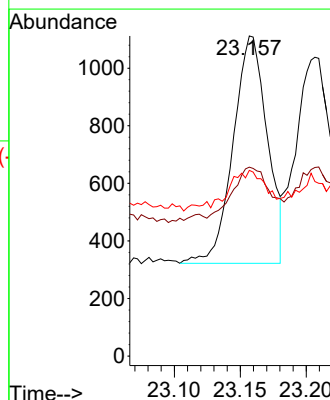
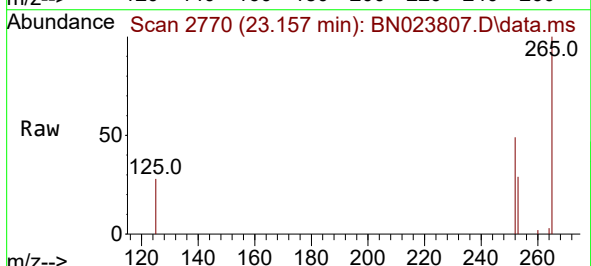
Tgt Ion:252 Resp: 1425

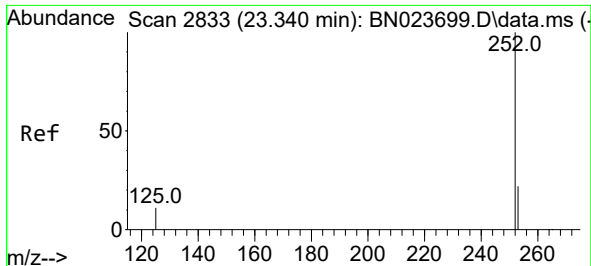
Ion Ratio Lower Upper

252 100

253 59.0 19.9 29.9#

125 58.0 13.2 19.8#

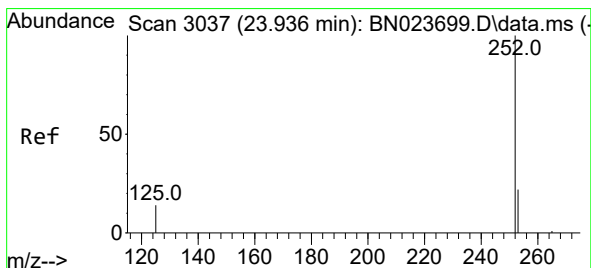
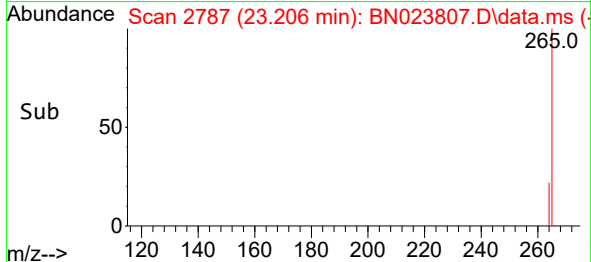
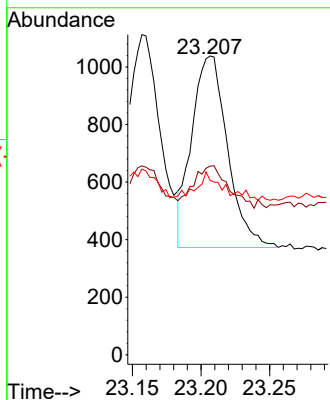
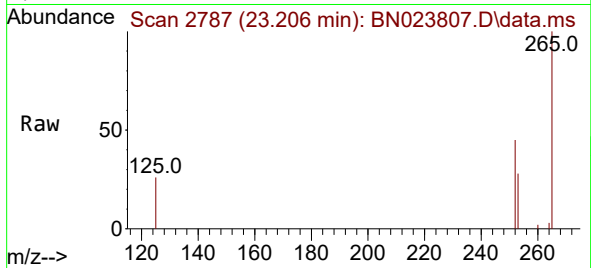




#38
Benzo(k)fluoranthene
Concen: 0.029 ng
RT: 23.206 min Scan# 21
Delta R.T. 0.001 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

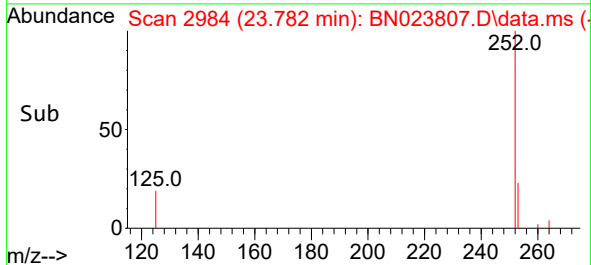
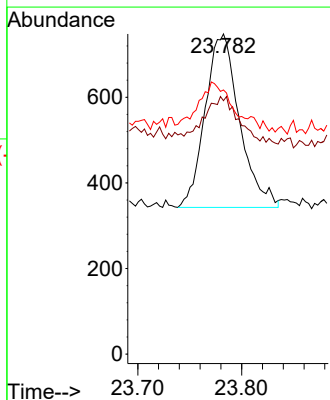
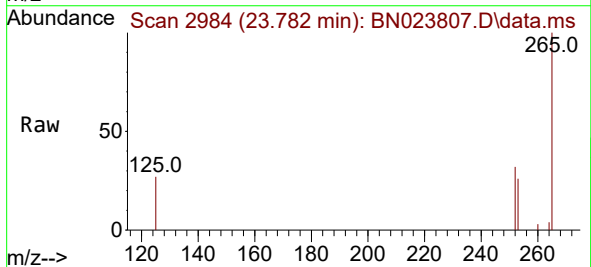
Instrument :
BNA_N
ClientSampleId :
SP-303-20230120

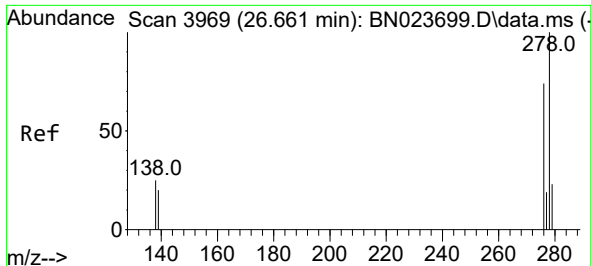
Tgt Ion:252 Resp: 1209
Ion Ratio Lower Upper
252 100
253 63.1 20.2 30.2#
125 58.4 12.8 19.2#



#39
Benzo(a)pyrene
Concen: 0.031 ng
RT: 23.782 min Scan# 2984
Delta R.T. 0.001 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

Tgt Ion:252 Resp: 929
Ion Ratio Lower Upper
252 100
253 79.1 22.4 33.6#
125 82.5 17.7 26.5#

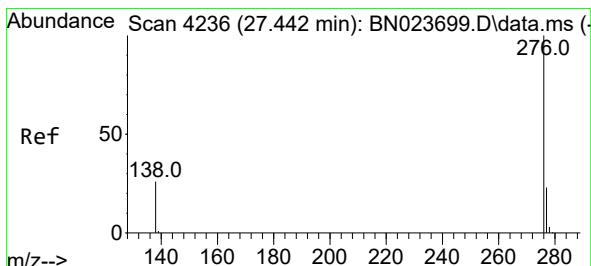
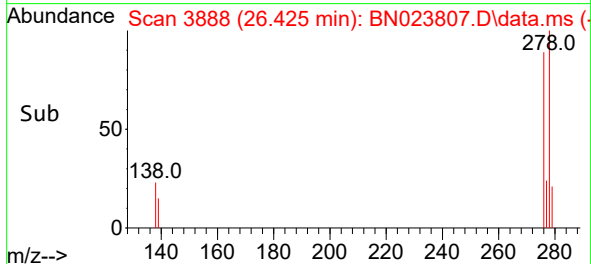
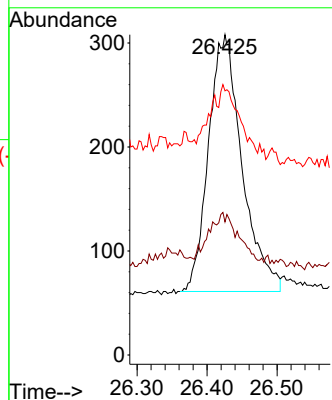
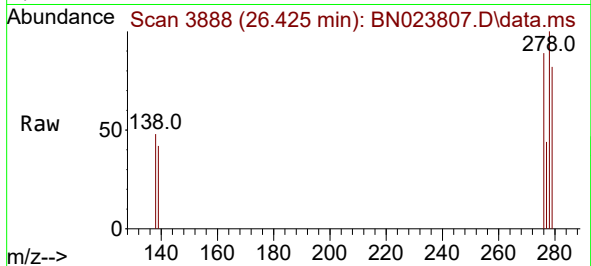




#40
Dibenzo(a,h)anthracene
Concen: 0.023 ng
RT: 26.425 min Scan# 311
Delta R.T. 0.004 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

Instrument :
BNA_N
ClientSampleId :
SP-303-20230120

Tgt Ion:278 Resp: 821
Ion Ratio Lower Upper
278 100
139 41.6 17.2 25.8#
279 82.5 21.4 32.2#



#41
Benzo(g,h,i)perylene
Concen: 0.029 ng
RT: 27.174 min Scan# 4144
Delta R.T. 0.007 min
Lab File: BN023807.D
Acq: 25 Jan 2023 23:02

Tgt Ion:276 Resp: 1073
Ion Ratio Lower Upper
276 100
277 43.0 19.4 29.0#
138 44.8 21.8 32.8#

