

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110422\
 Data File : BN022516.D
 Acq On : 04 Nov 2022 20:17
 Operator : CG/JU
 Sample : N5395-09DL2 4X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-6-103122DL2

Quant Time: Nov 05 01:58:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 03:28:17 2022
 Response via : Initial Calibration

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

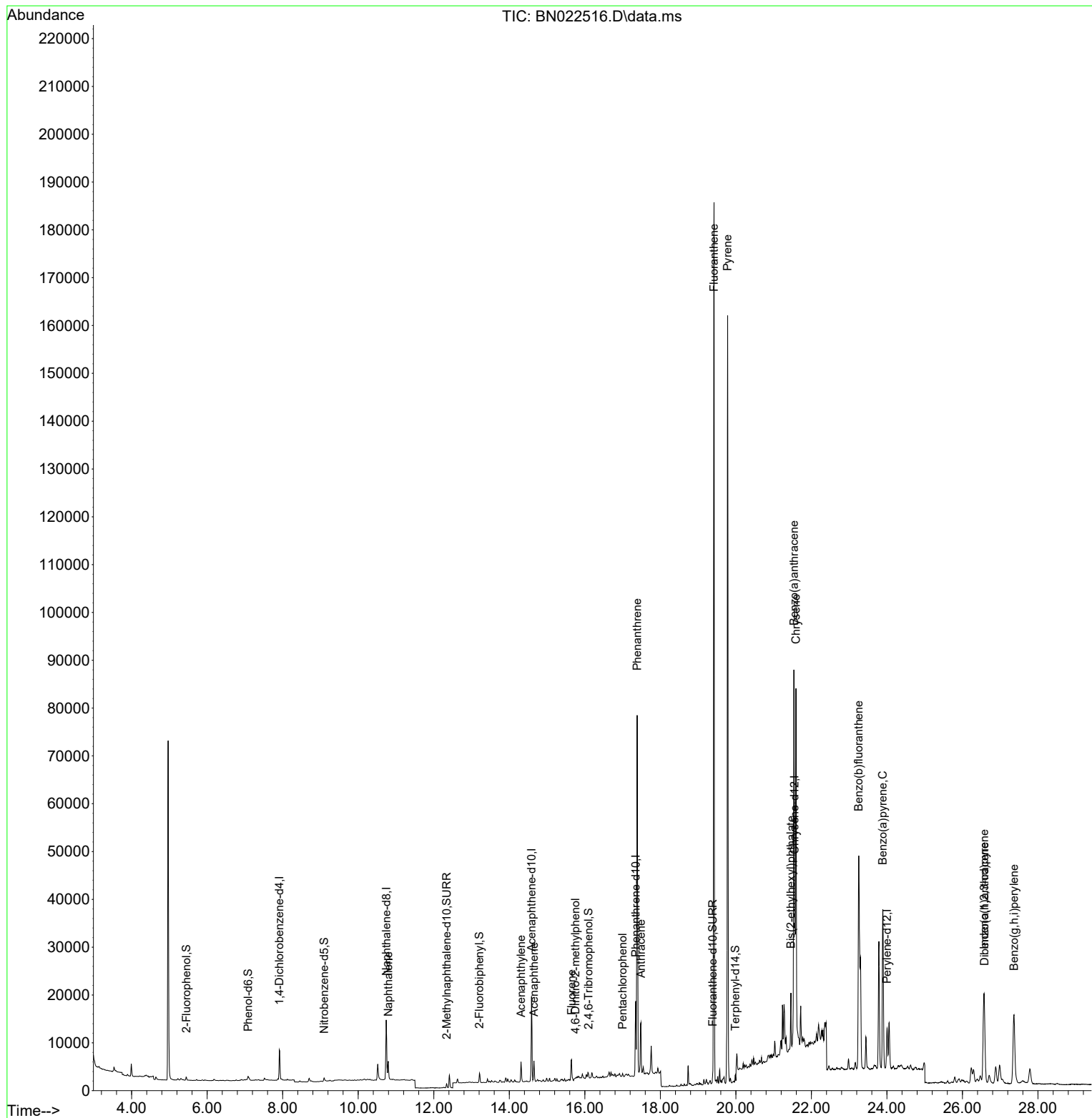
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	3283	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	16716	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	9885	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	20563	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	15141	0.400	ng	0.00
35) Perylene-d12	24.002	264	12013	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.450	112	595	0.064	ng	0.00
5) Phenol-d6	7.083	99	865	0.074	ng	0.00
8) Nitrobenzene-d5	9.097	82	671	0.044	ng	-0.01
11) 2-Methylnaphthalene-d10	12.342	152	1257	0.045	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	283	0.055	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	1890	0.046	ng	-0.01
27) Fluoranthene-d10	19.390	212	2170	0.039	ng	0.00
31) Terphenyl-d14	19.985	244	1869	0.040	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.795	128	4998	0.099	ng	98
16) Acenaphthylene	14.311	152	4790	0.095	ng	98
17) Acenaphthene	14.653	154	2046	0.063	ng	99
18) Fluorene	15.647	166	3181	0.070	ng	# 97
20) 4,6-Dinitro-2-methylph...	15.749	198	12	0.233	ng	# 1
24) Pentachlorophenol	17.002	266	31	0.174	ng	# 79
25) Phenanthrene	17.387	178	72864	1.060	ng	100
26) Anthracene	17.486	178	12991	0.215	ng	# 95
28) Fluoranthene	19.420	202	161570	2.181	ng	99
30) Pyrene	19.782	202	137287	2.100	ng	96
32) Benzo(a)anthracene	21.537	228	61209	1.005	ng	99
33) Chrysene	21.591	228	63770	1.057	ng	98
34) Bis(2-ethylhexyl)phtha...	21.457	149	9751	0.190	ng	97
36) Indeno(1,2,3-cd)pyrene	26.572	276	32567	0.563	ng	95
37) Benzo(b)fluoranthene	23.254	252	76844	1.627	ng	95
39) Benzo(a)pyrene	23.891	252	48887	1.208	ng	93
40) Dibenzo(a,h)anthracene	26.584	278	8018	0.174	ng	# 79
41) Benzo(g,h,i)perylene	27.364	276	32061	0.656	ng	99

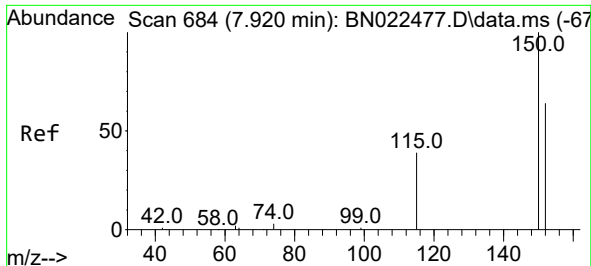
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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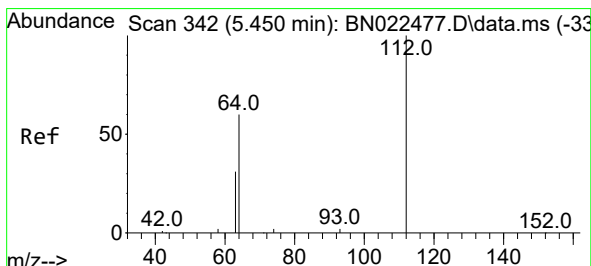
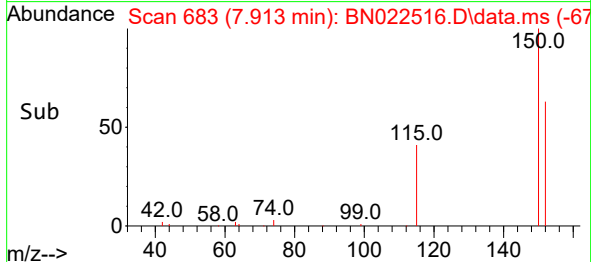
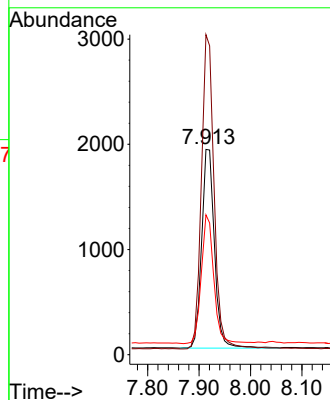
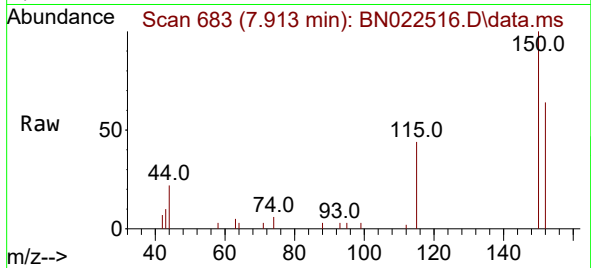




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.913 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

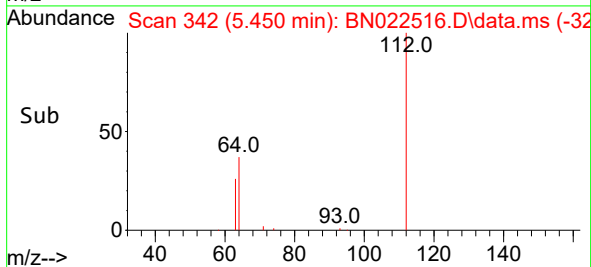
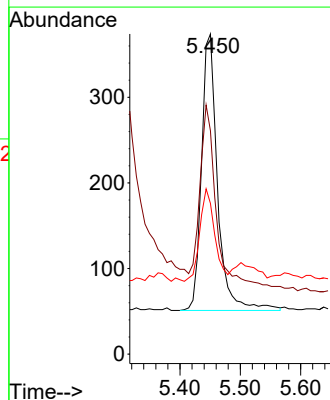
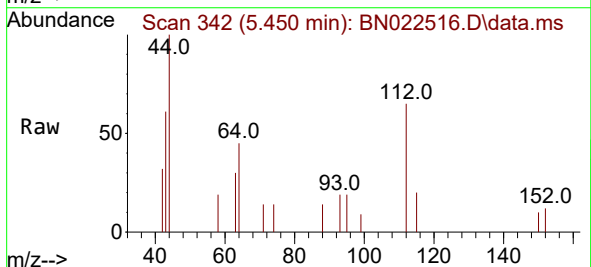
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2

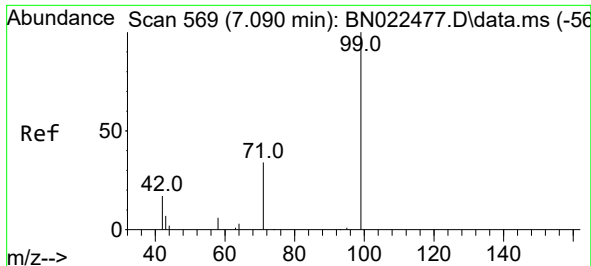
Tgt Ion:152 Resp: 3283
Ion Ratio Lower Upper
152 100
150 155.8 123.4 185.2
115 68.1 54.9 82.3



#4
2-Fluorophenol
Concen: 0.064 ng
RT: 5.450 min Scan# 342
Delta R.T. 0.000 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Tgt Ion:112 Resp: 595
Ion Ratio Lower Upper
112 100
64 65.2 47.1 70.7
63 30.9 24.6 36.8

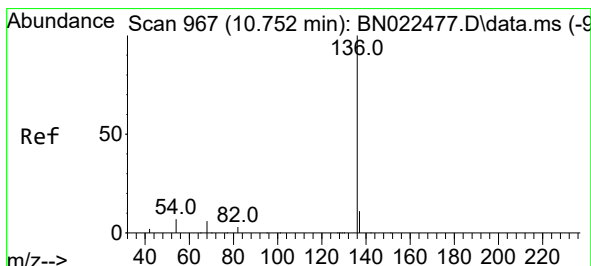
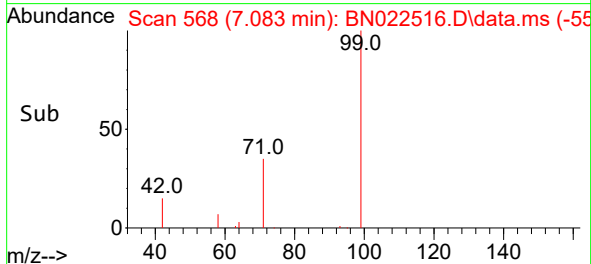
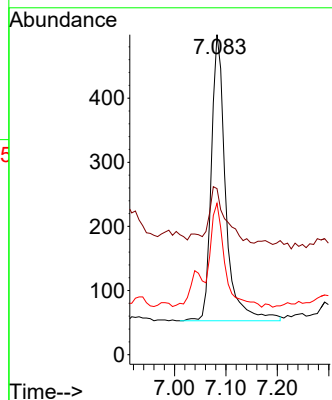
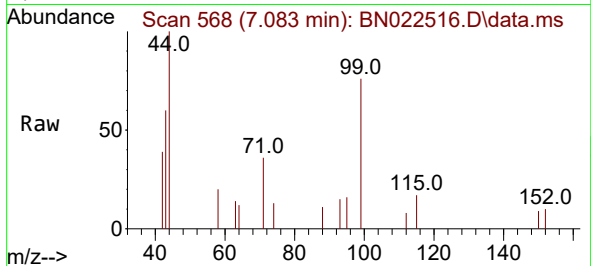




#5
Phenol-d6
Concen: 0.074 ng
RT: 7.083 min Scan# 50
Delta R.T. -0.007 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

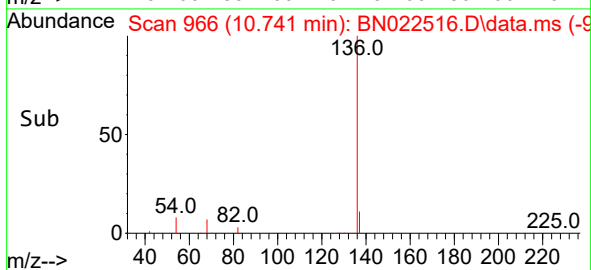
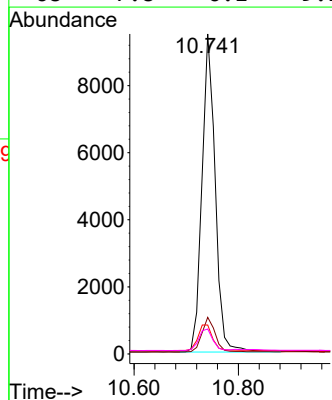
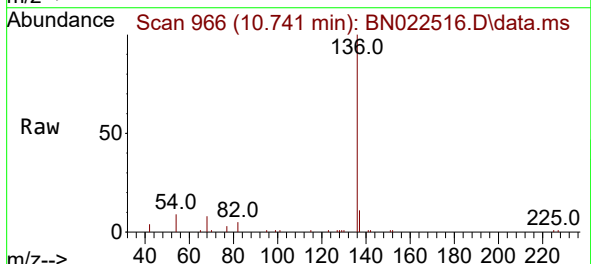
Instrument :
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ClientSampleId :
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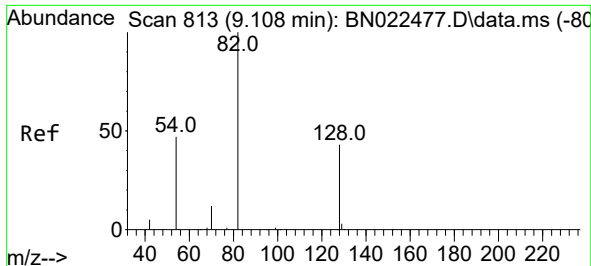
Tgt Ion:	99	Resp:	865
Ion	Ratio	Lower	Upper
99	100		
42	21.5	14.7	22.1
71	35.3	27.0	40.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 966
Delta R.T. -0.011 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Tgt Ion:	136	Resp:	16716
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.5	14.3
54	9.1	7.1	10.7
68	7.8	6.1	9.1

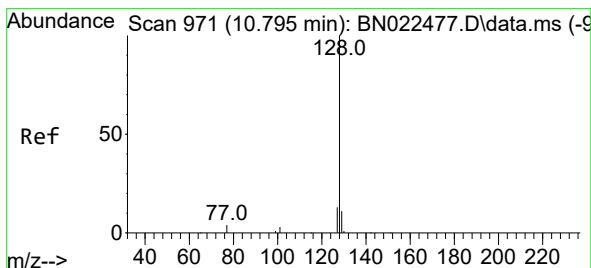
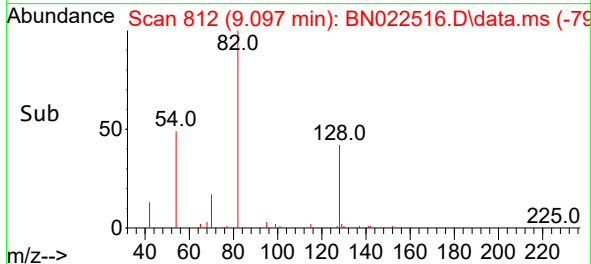
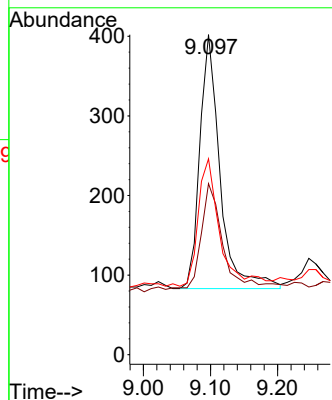
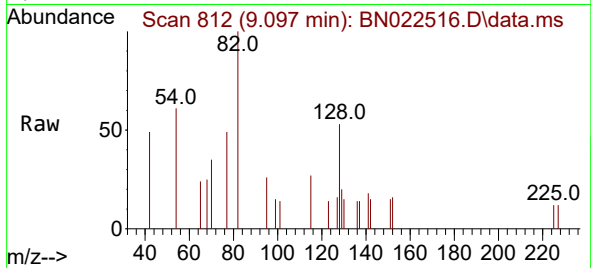




#8
Nitrobenzene-d5
Concen: 0.044 ng
RT: 9.097 min Scan# 813
Delta R.T. -0.011 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

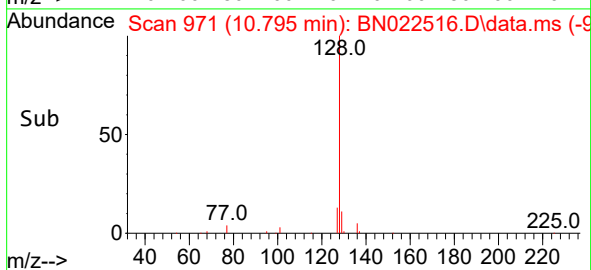
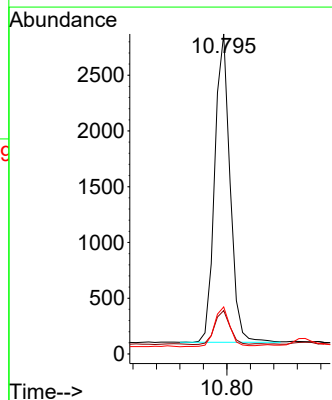
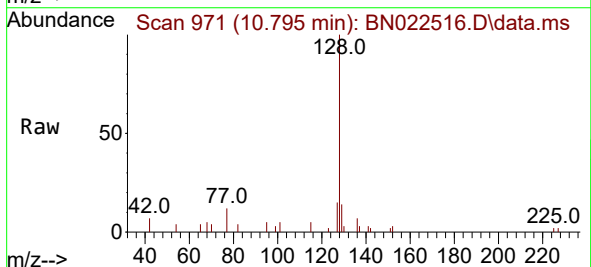
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2

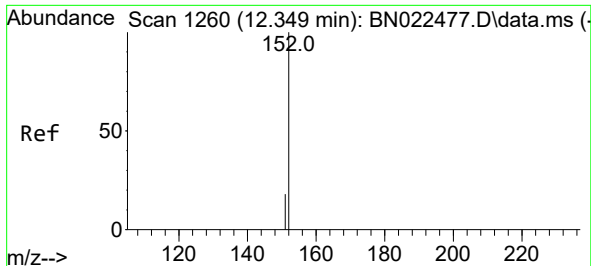
Tgt Ion: 82 Resp: 671
Ion Ratio Lower Upper
82 100
128 53.5 37.3 55.9
54 61.2 40.0 60.0#



#9
Naphthalene
Concen: 0.099 ng
RT: 10.795 min Scan# 971
Delta R.T. 0.000 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Tgt Ion: 128 Resp: 4998
Ion Ratio Lower Upper
128 100
129 13.6 9.8 14.6
127 14.7 11.4 17.2

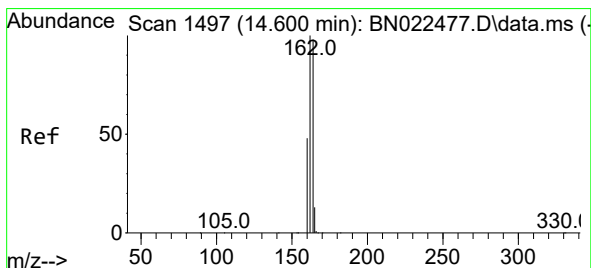
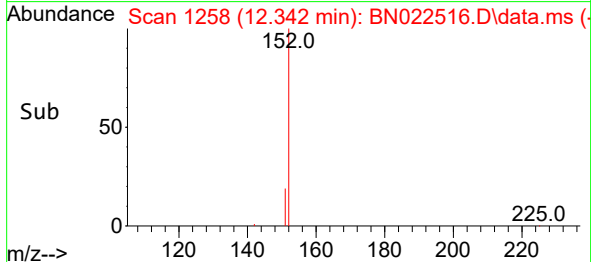
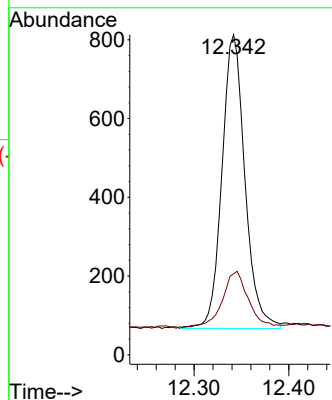
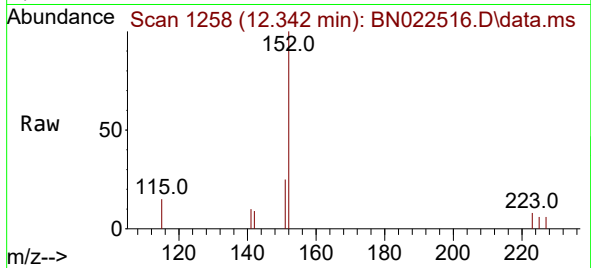




#11
2-Methylnaphthalene-d10
Concen: 0.045 ng
RT: 12.342 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

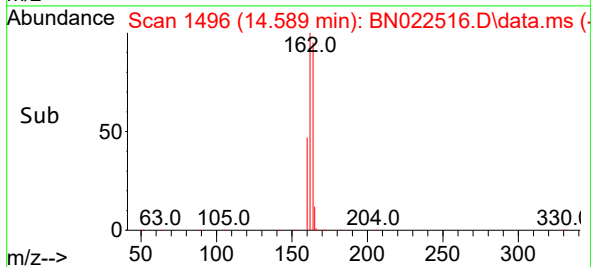
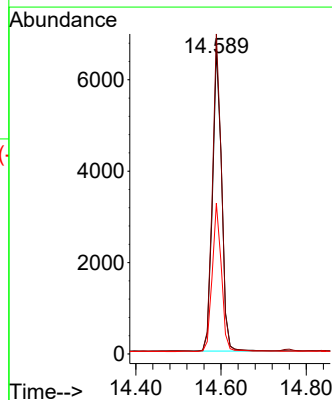
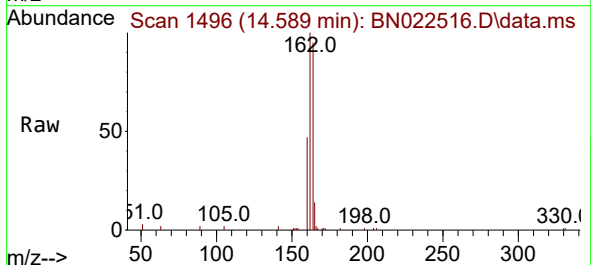
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2

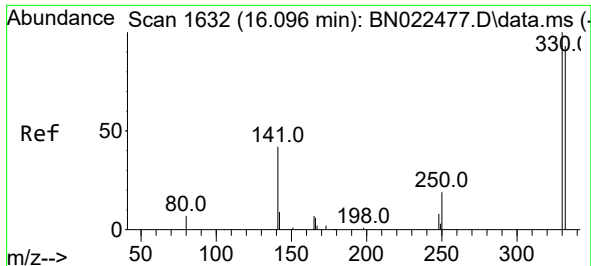
Tgt Ion:152 Resp: 1257
Ion Ratio Lower Upper
152 100
151 22.4 16.6 25.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Tgt Ion:164 Resp: 9885
Ion Ratio Lower Upper
164 100
162 105.2 82.0 123.0
160 49.6 39.4 59.2

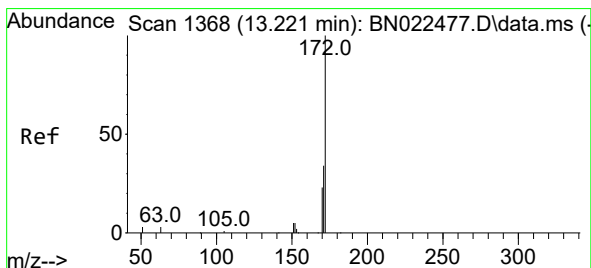
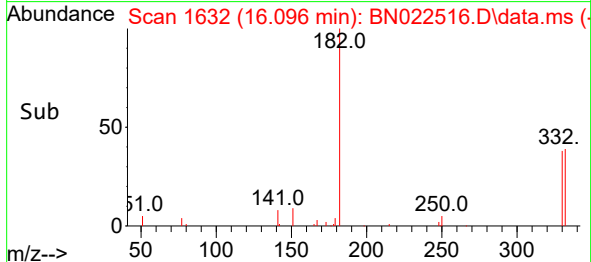
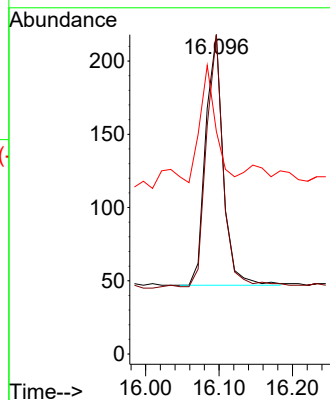
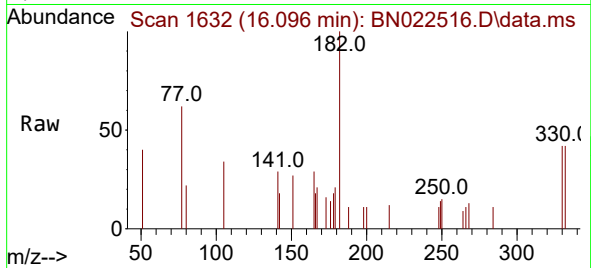




#14
2,4,6-Tribromophenol
Concen: 0.055 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

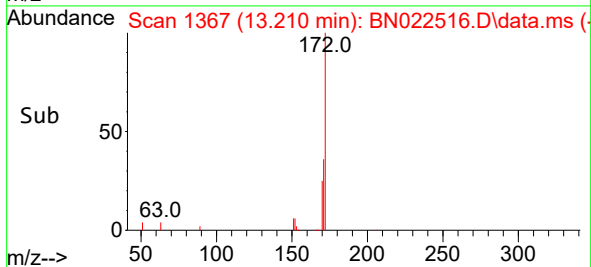
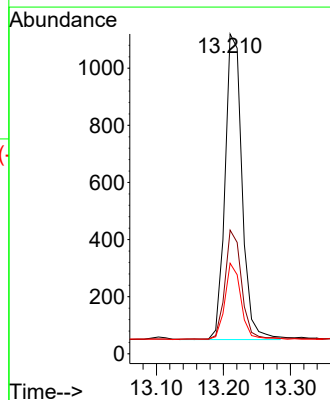
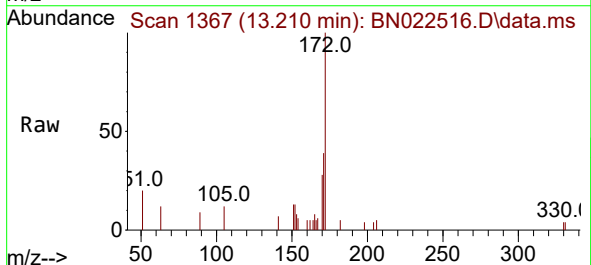
Instrument :
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ClientSampleId :
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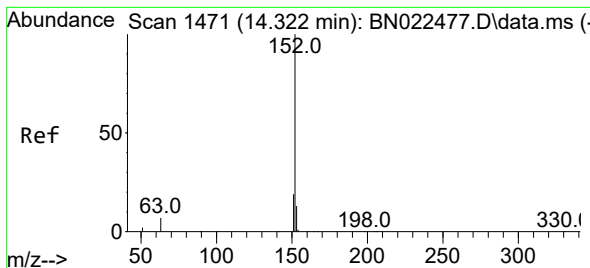
Tgt Ion: 330 Resp: 283
Ion Ratio Lower Upper
330 100
332 100.4 77.8 116.8
141 57.2 35.0 52.6#



#15
2-Fluorobiphenyl
Concen: 0.046 ng
RT: 13.210 min Scan# 1367
Delta R.T. -0.011 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Tgt Ion: 172 Resp: 1890
Ion Ratio Lower Upper
172 100
171 38.7 27.9 41.9
170 28.3 19.2 28.8





#16

Acenaphthylene

Concen: 0.095 ng

RT: 14.311 min Scan# 1470

Delta R.T. -0.011 min

Lab File: BN022516.D

Acq: 04 Nov 2022 20:17

Instrument :

BNA_N

ClientSampleId :

S-6-103122DL2

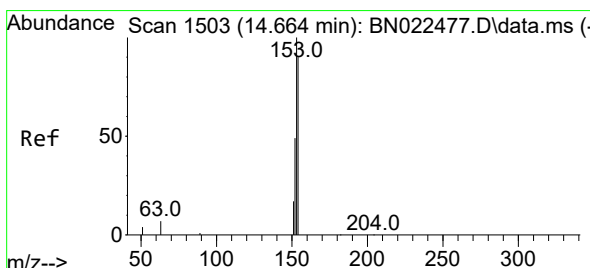
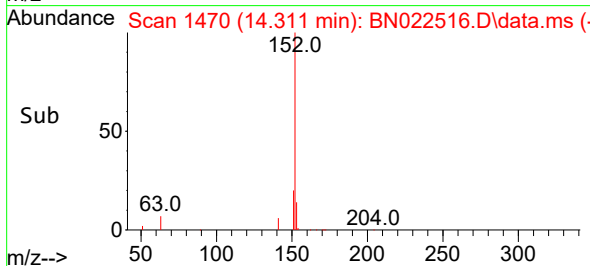
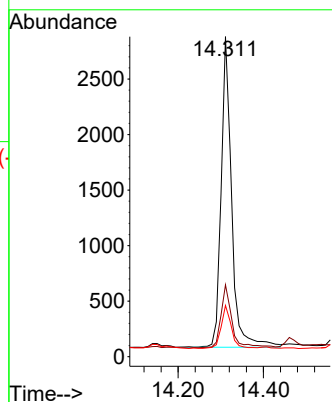
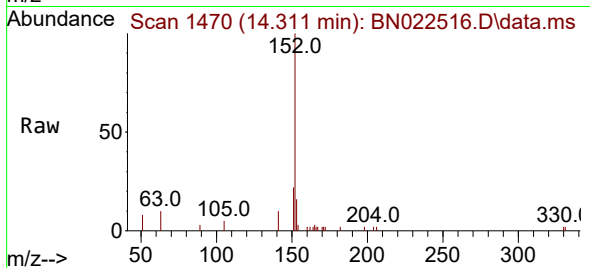
Tgt Ion:152 Resp: 4790

Ion Ratio Lower Upper

152 100

151 20.5 15.8 23.6

153 13.3 10.3 15.5



#17

Acenaphthene

Concen: 0.063 ng

RT: 14.653 min Scan# 1502

Delta R.T. -0.011 min

Lab File: BN022516.D

Acq: 04 Nov 2022 20:17

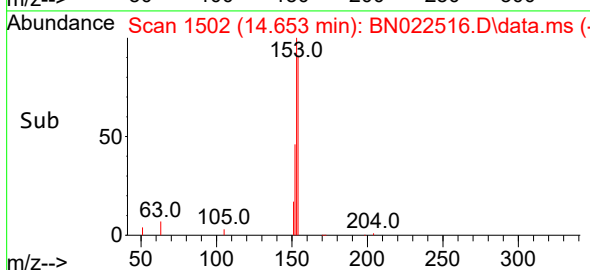
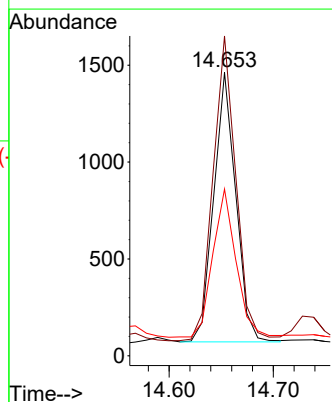
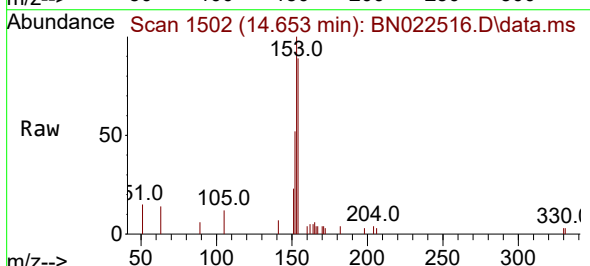
Tgt Ion:154 Resp: 2046

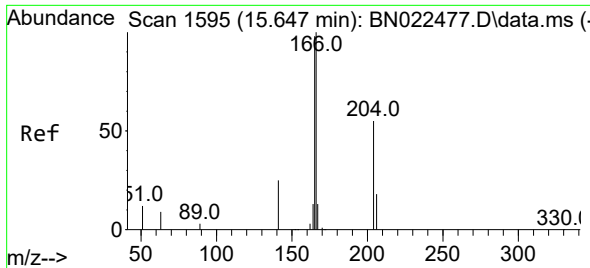
Ion Ratio Lower Upper

154 100

153 116.3 91.8 137.8

152 58.2 45.7 68.5

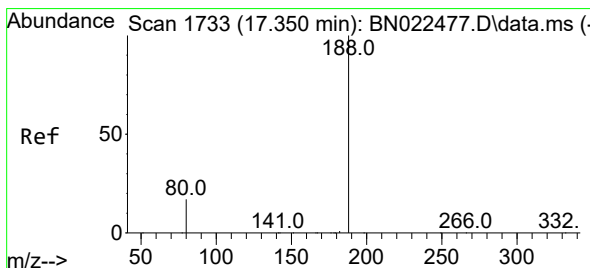
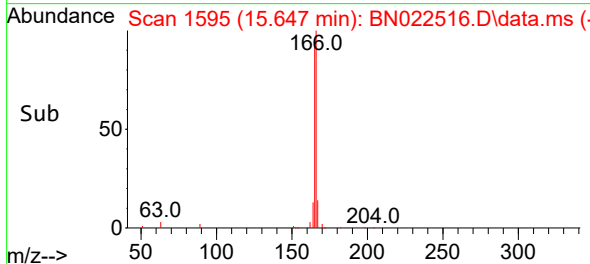
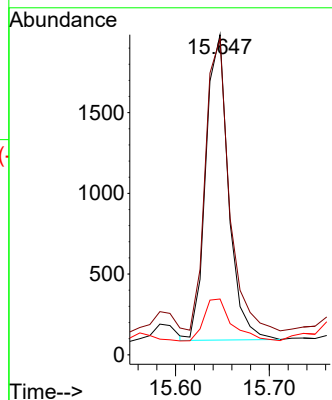
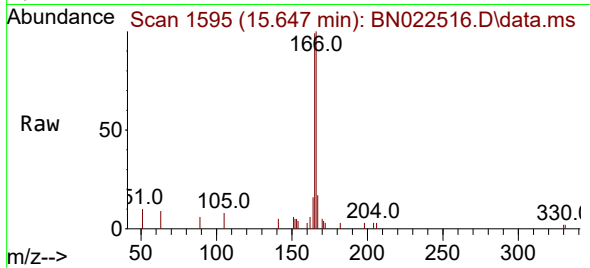




#18
Fluorene
Concen: 0.070 ng
RT: 15.647 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

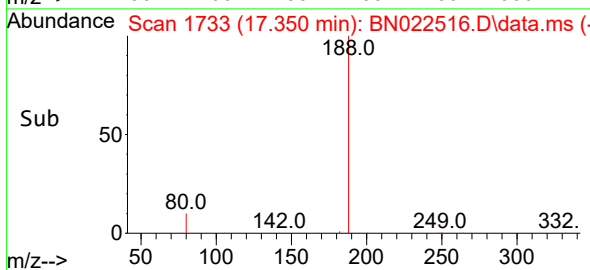
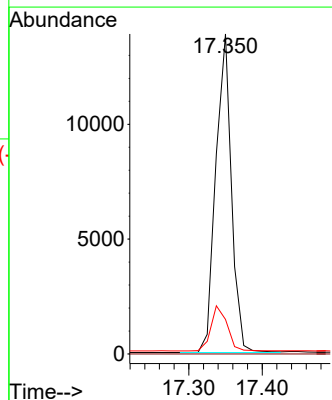
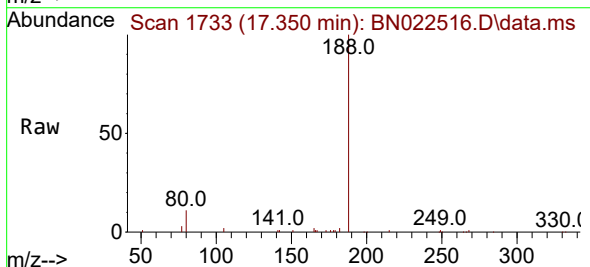
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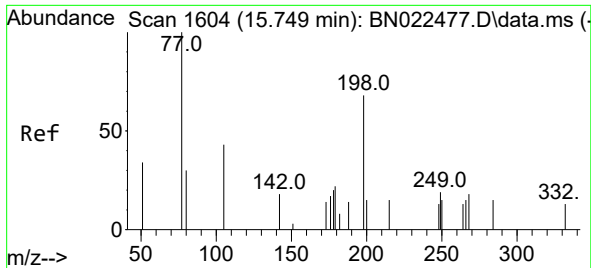
Tgt Ion:166 Resp: 3181
Ion Ratio Lower Upper
166 100
165 100.3 78.7 118.1
167 17.2 10.2 15.2#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Tgt Ion:188 Resp: 20563
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.8 14.6 21.8#

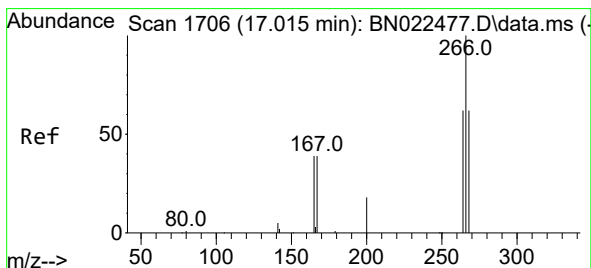
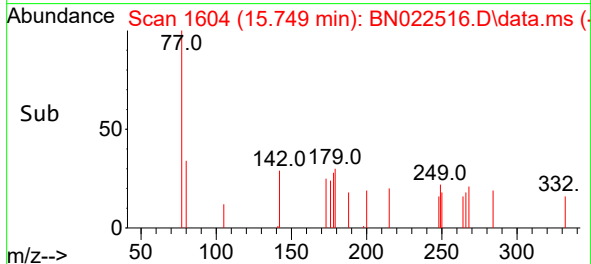
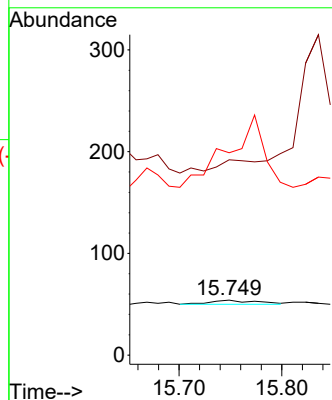
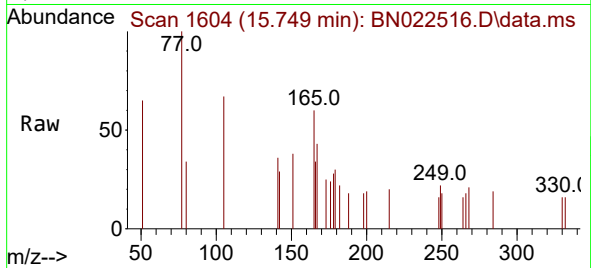




#20
4,6-Dinitro-2-methylphenol
Concen: 0.233 ng
RT: 15.749 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

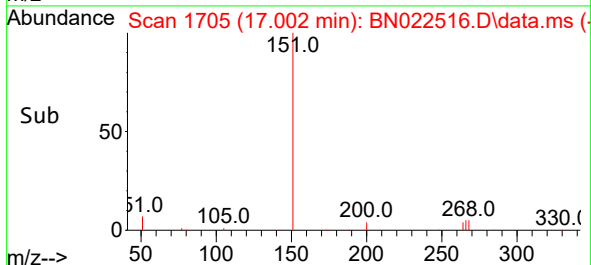
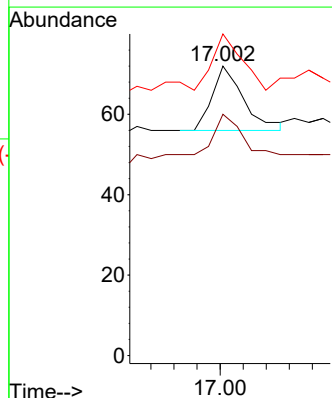
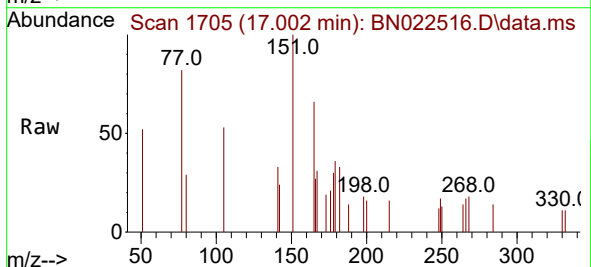
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2

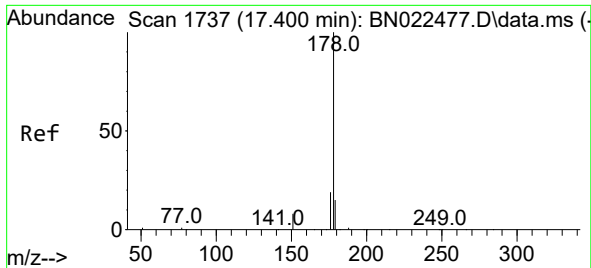
Tgt Ion:198 Resp: 12
Ion Ratio Lower Upper
198 100
51 355.6 83.8 125.8#
105 368.5 71.4 107.2#



#24
Pentachlorophenol
Concen: 0.174 ng
RT: 17.002 min Scan# 1705
Delta R.T. -0.013 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Tgt Ion:266 Resp: 31
Ion Ratio Lower Upper
266 100
264 74.2 50.6 75.8
268 90.3 54.1 81.1#

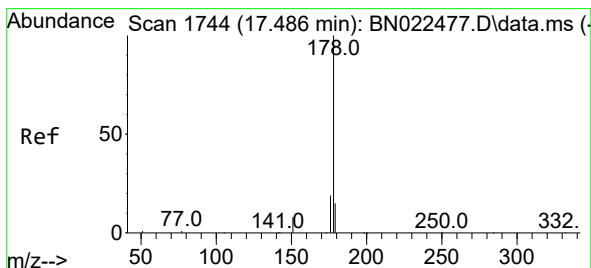
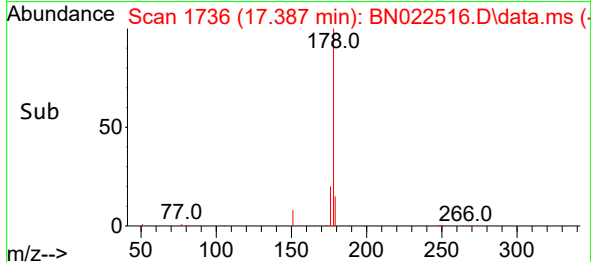
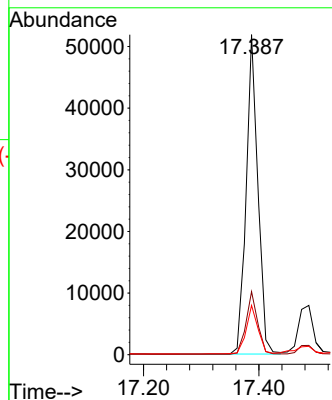
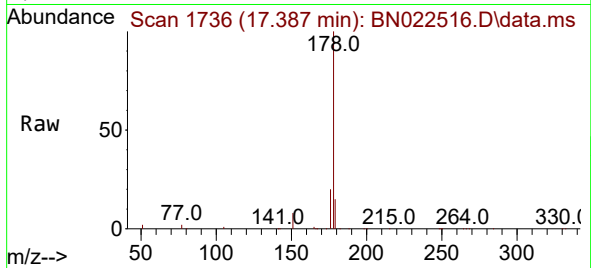




#25
Phenanthrene
Concen: 1.060 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.013 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

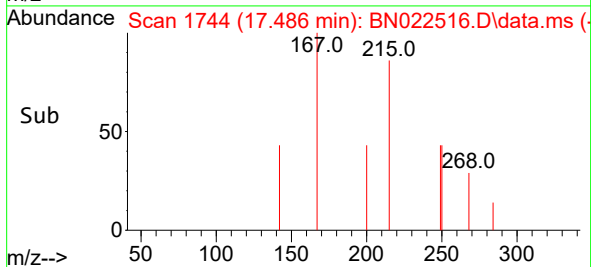
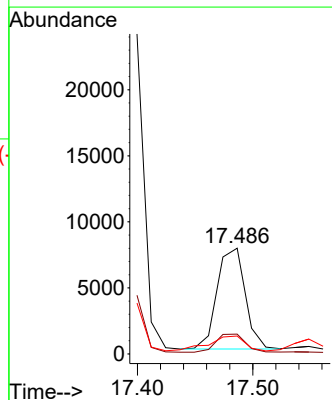
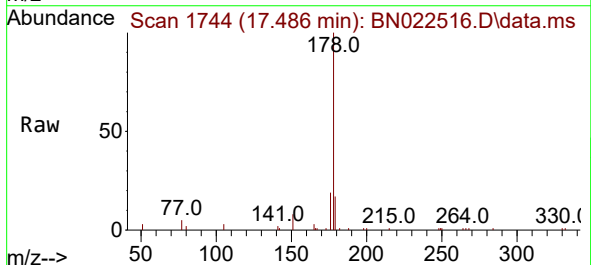
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2

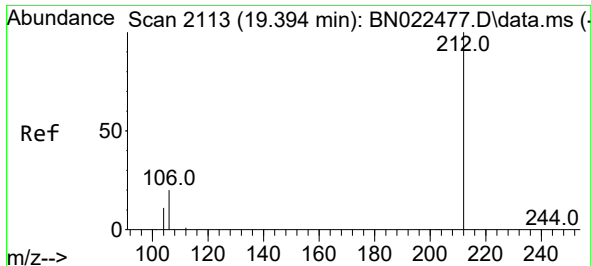
Tgt Ion:178 Resp: 72864
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.3 12.2 18.4



#26
Anthracene
Concen: 0.215 ng
RT: 17.486 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Tgt Ion:178 Resp: 12991
Ion Ratio Lower Upper
178 100
176 19.7 14.8 22.2
179 18.8 12.2 18.2#

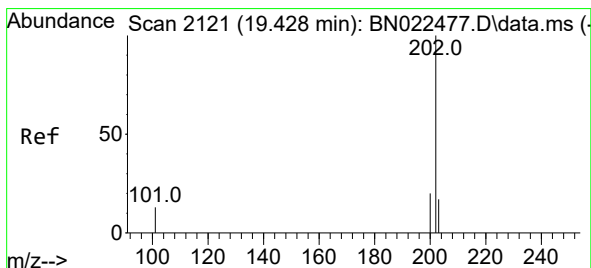
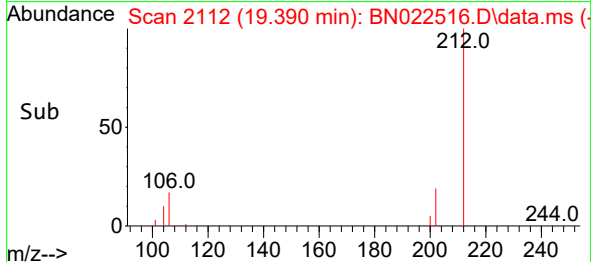
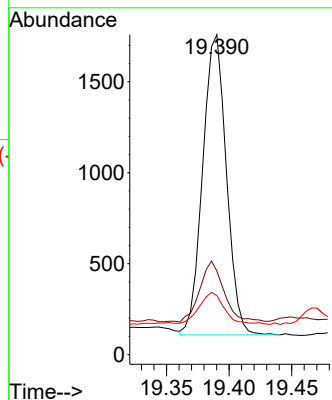
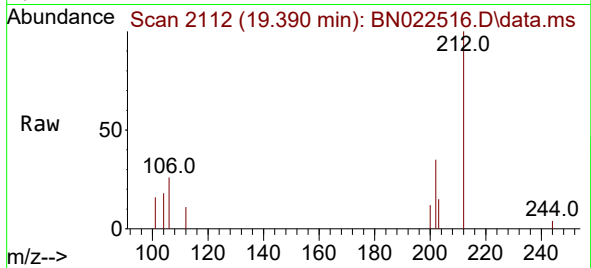




#27
Fluoranthene-d10
Concen: 0.039 ng
RT: 19.390 min Scan# 2112
Delta R.T. -0.004 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

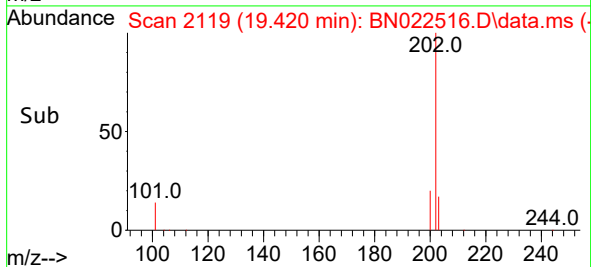
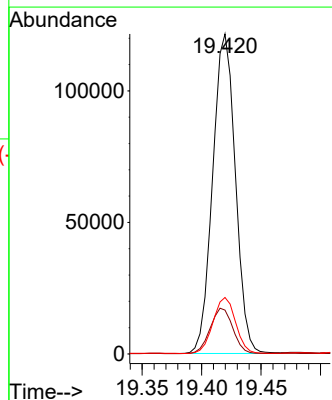
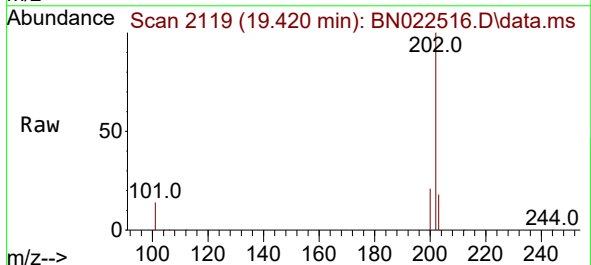
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2

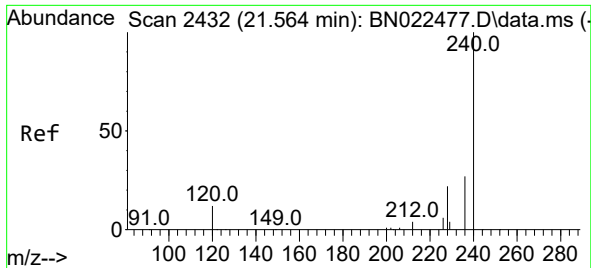
Tgt Ion:212 Resp: 2170
Ion Ratio Lower Upper
212 100
106 20.3 15.2 22.8
104 12.2 8.6 12.8



#28
Fluoranthene
Concen: 2.181 ng
RT: 19.420 min Scan# 2119
Delta R.T. -0.008 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Tgt Ion:202 Resp: 161570
Ion Ratio Lower Upper
202 100
101 14.2 11.2 16.8
203 17.4 13.6 20.4

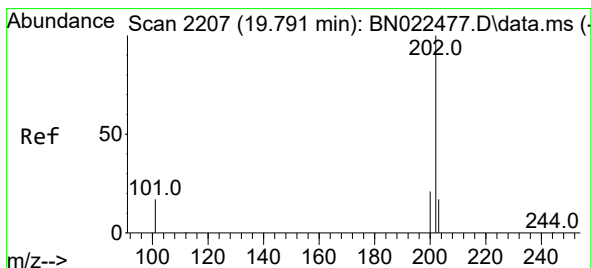
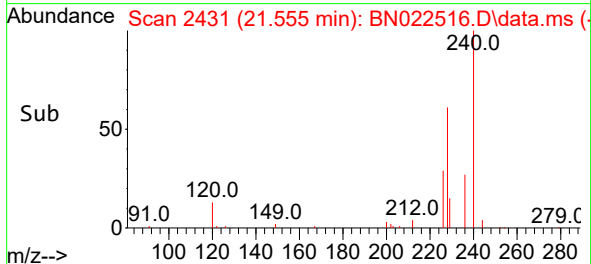
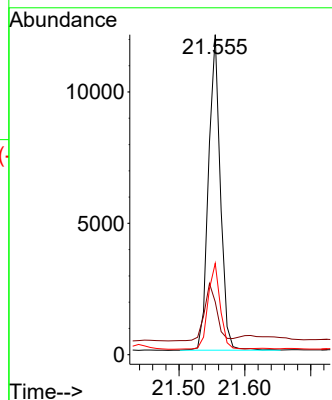
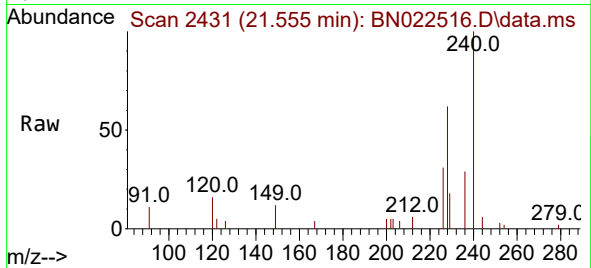




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. -0.009 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

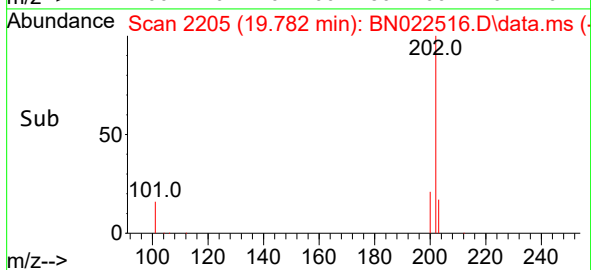
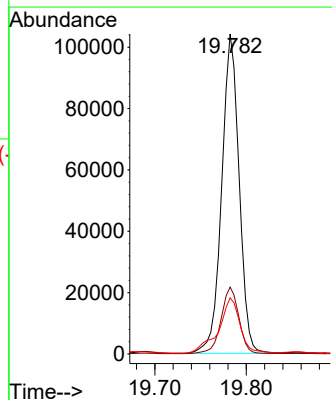
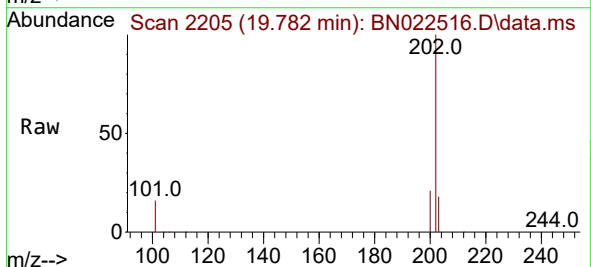
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2

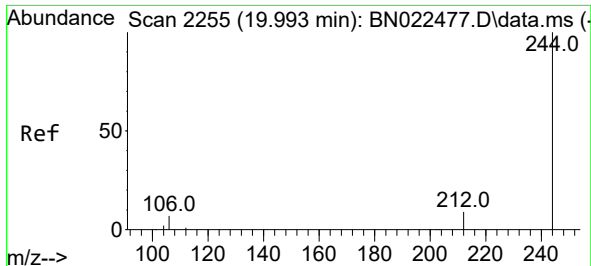
Tgt Ion:240 Resp: 15141
Ion Ratio Lower Upper
240 100
120 16.5 12.4 18.6
236 28.6 22.7 34.1



#30
Pyrene
Concen: 2.100 ng
RT: 19.782 min Scan# 2205
Delta R.T. -0.008 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Tgt Ion:202 Resp: 137287
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 21.3 14.3 21.5

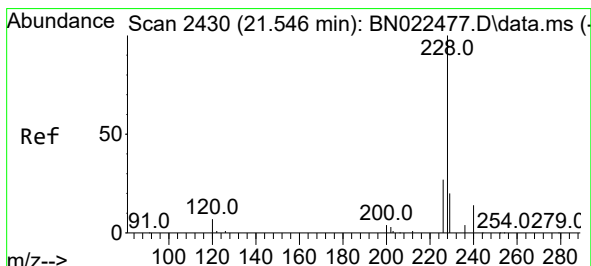
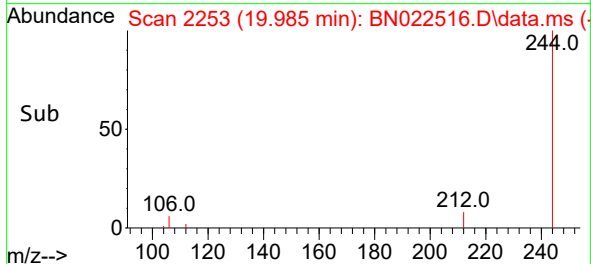
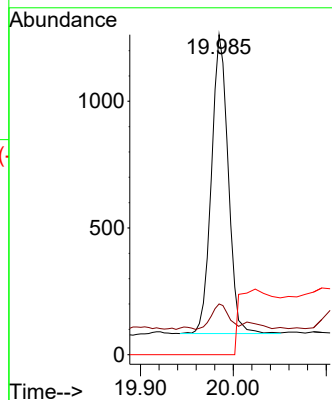
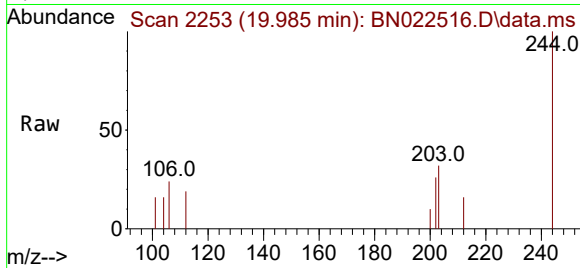




#31
Terphenyl-d14
Concen: 0.040 ng
RT: 19.985 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

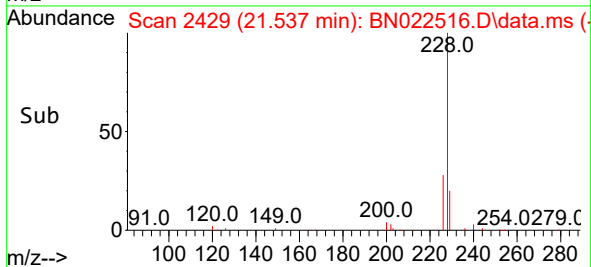
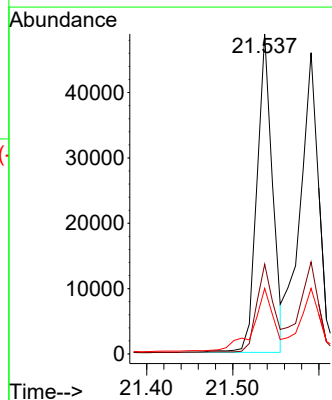
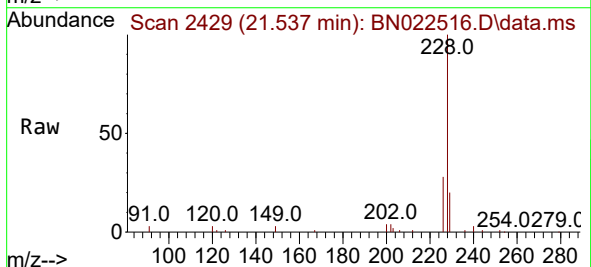
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2

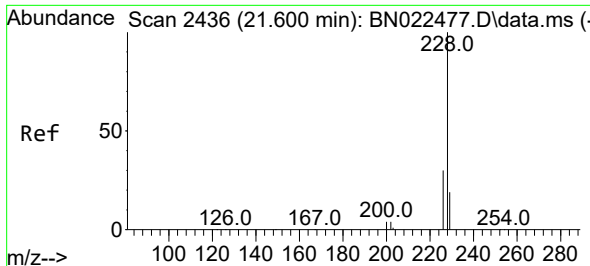
Tgt Ion:244 Resp: 1869
Ion Ratio Lower Upper
244 100
212 15.8 7.8 11.8#
122 0.0 0.0 0.0



#32
Benzo(a)anthracene
Concen: 1.005 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Tgt Ion:228 Resp: 61209
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 20.5 16.4 24.6





#33

Chrysene

Concen: 1.057 ng

RT: 21.591 min Scan# 2436

Delta R.T. -0.009 min

Lab File: BN022516.D

Acq: 04 Nov 2022 20:17

Instrument :

BNA_N

ClientSampleId :

S-6-103122DL2

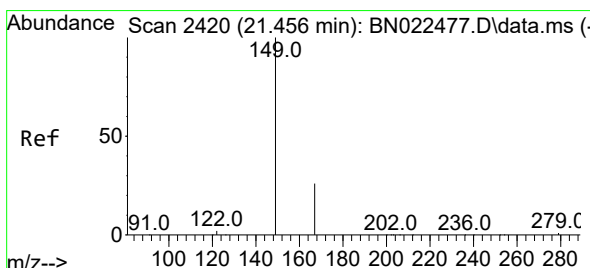
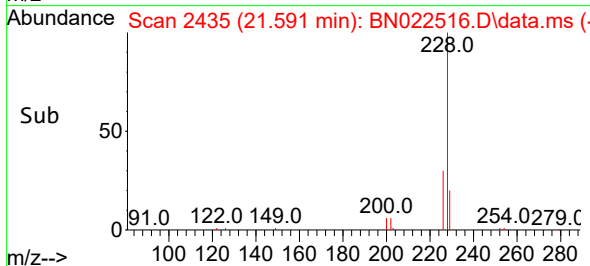
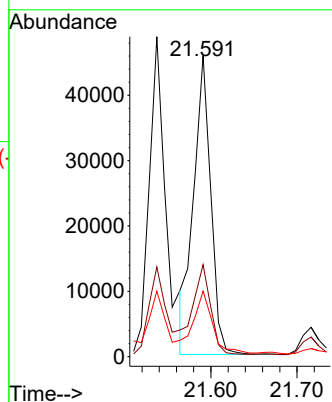
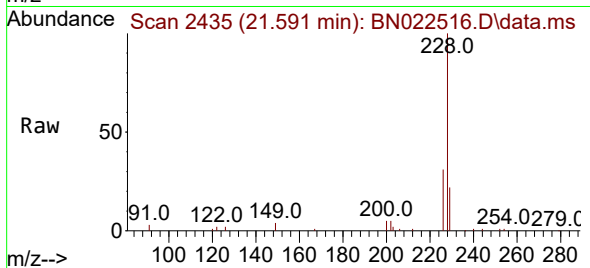
Tgt Ion:228 Resp: 63770

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

229 21.8 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.190 ng

RT: 21.457 min Scan# 2420

Delta R.T. 0.000 min

Lab File: BN022516.D

Acq: 04 Nov 2022 20:17

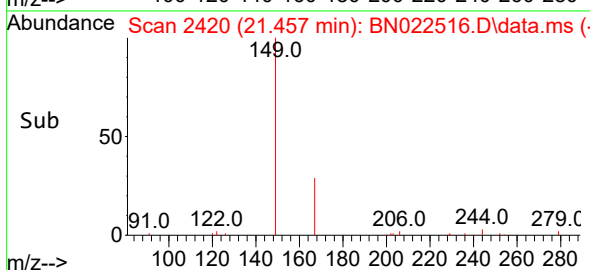
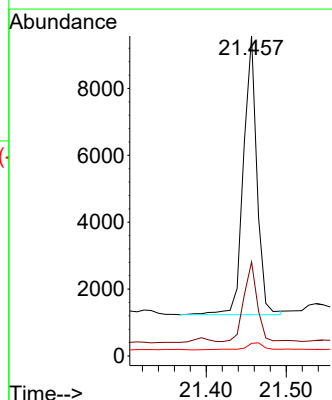
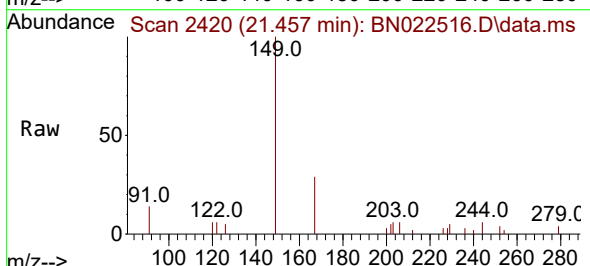
Tgt Ion:149 Resp: 9751

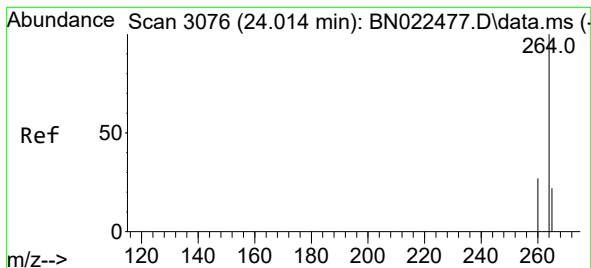
Ion Ratio Lower Upper

149 100

167 28.6 21.3 31.9

279 3.5 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.002 min Scan# 30

Delta R.T. -0.012 min

Lab File: BN022516.D

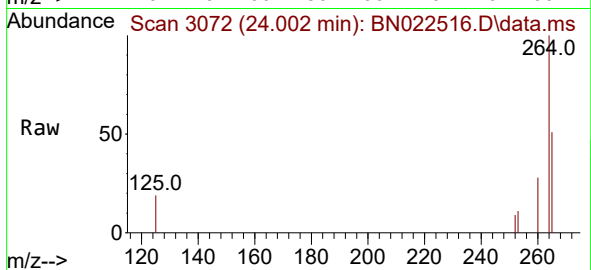
Acq: 04 Nov 2022 20:17

Instrument :

BNA_N

ClientSampleId :

S-6-103122DL2



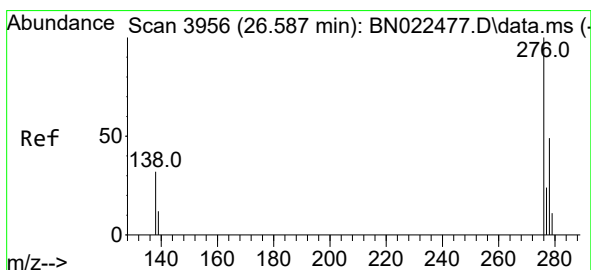
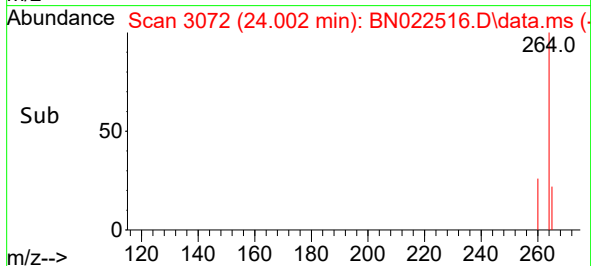
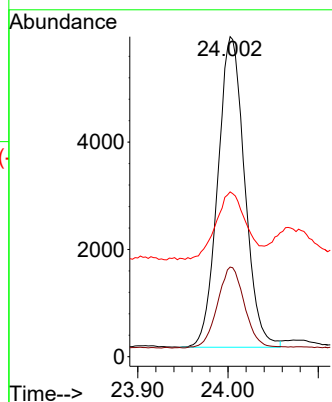
Tgt Ion:264 Resp: 12013

Ion Ratio Lower Upper

264 100

260 28.0 22.4 33.6

265 51.5 44.4 66.6



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.563 ng

RT: 26.572 min Scan# 3951

Delta R.T. -0.015 min

Lab File: BN022516.D

Acq: 04 Nov 2022 20:17

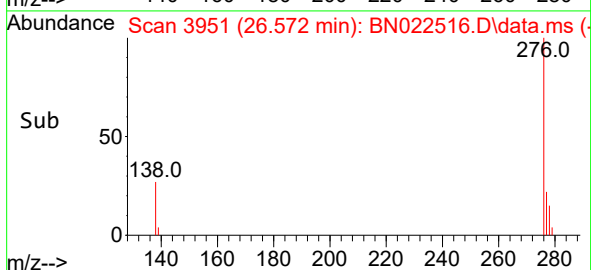
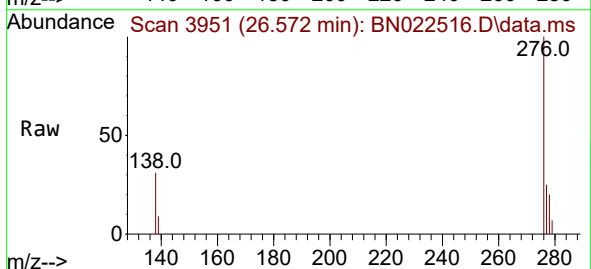
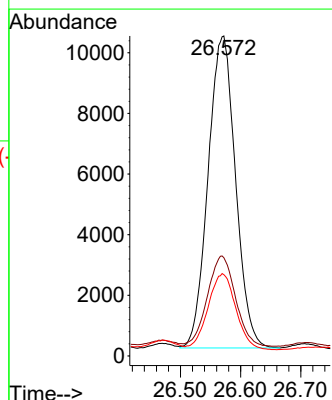
Tgt Ion:276 Resp: 32567

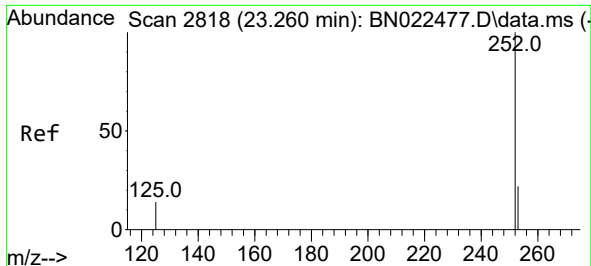
Ion Ratio Lower Upper

276 100

138 29.5 27.5 41.3

277 24.9 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 1.627 ng

RT: 23.254 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN022516.D

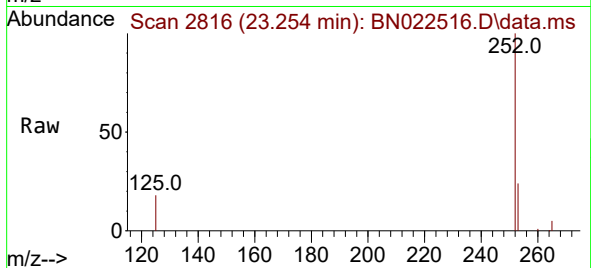
Acq: 04 Nov 2022 20:17

Instrument :

BNA_N

ClientSampleId :

S-6-103122DL2



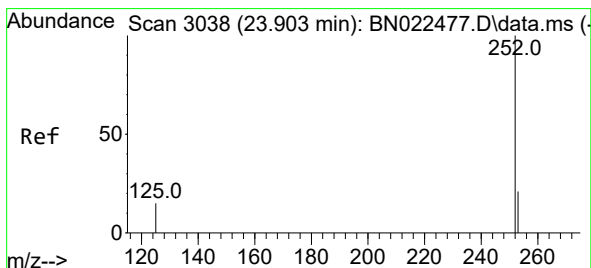
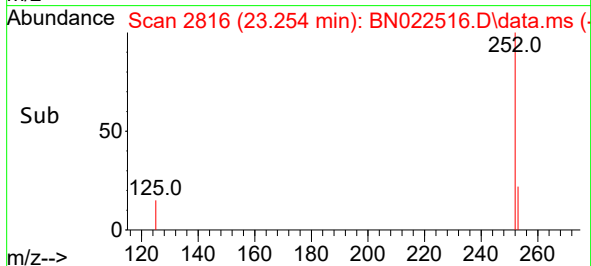
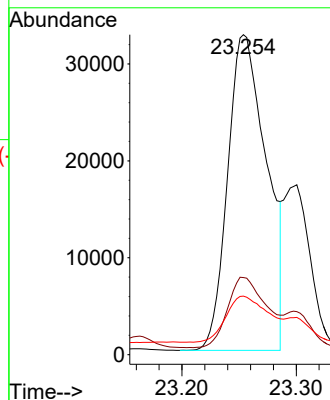
Tgt Ion:252 Resp: 76844

Ion Ratio Lower Upper

252 100

253 24.1 21.1 31.7

125 18.3 16.8 25.2



#39

Benzo(a)pyrene

Concen: 1.208 ng

RT: 23.891 min Scan# 3034

Delta R.T. -0.012 min

Lab File: BN022516.D

Acq: 04 Nov 2022 20:17

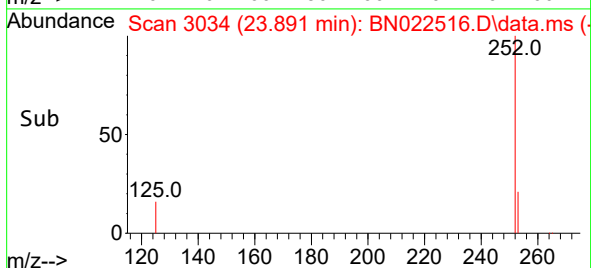
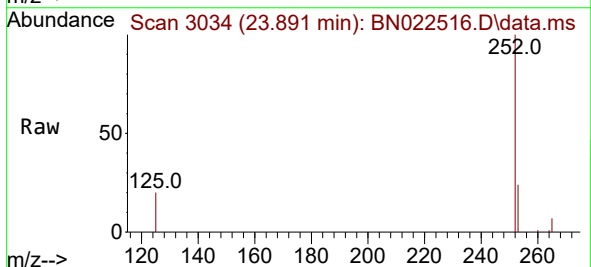
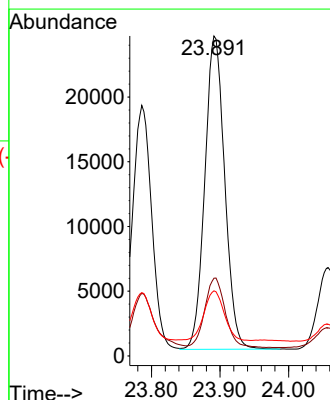
Tgt Ion:252 Resp: 48887

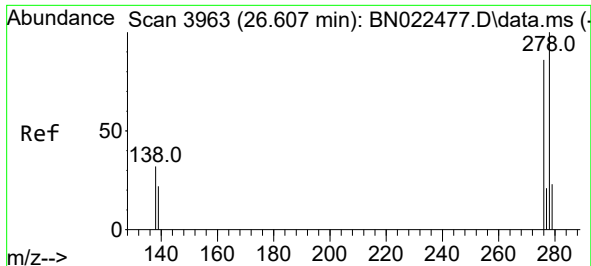
Ion Ratio Lower Upper

252 100

253 24.3 22.0 33.0

125 20.3 19.8 29.8

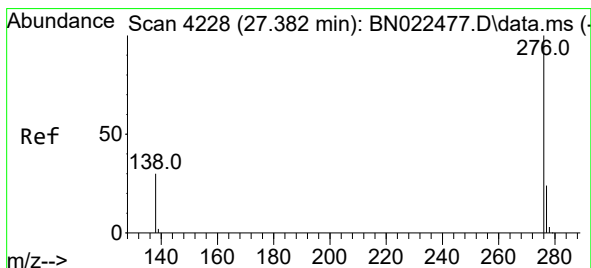
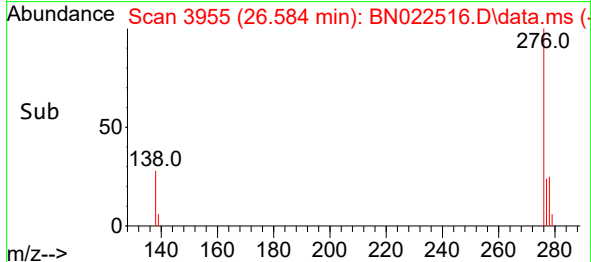
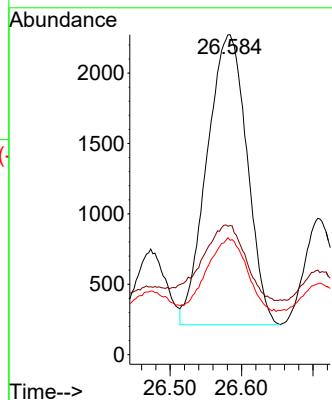
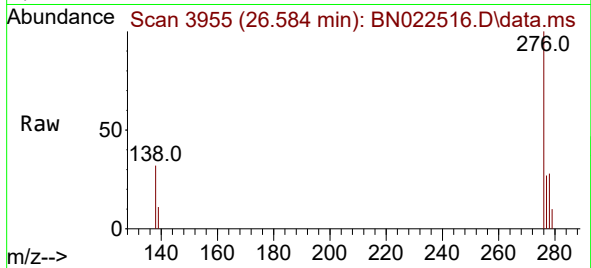




#40
Dibenzo(a,h)anthracene
Concen: 0.174 ng
RT: 26.584 min Scan# 3963
Delta R.T. -0.023 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Instrument :
BNA_N
ClientSampleId :
S-6-103122DL2

Tgt Ion:278 Resp: 8018
Ion Ratio Lower Upper
278 100
139 40.3 21.8 32.6#
279 35.8 21.5 32.3#



#41
Benzo(g,h,i)perylene
Concen: 0.656 ng
RT: 27.364 min Scan# 4222
Delta R.T. -0.018 min
Lab File: BN022516.D
Acq: 04 Nov 2022 20:17

Tgt Ion:276 Resp: 32061
Ion Ratio Lower Upper
276 100
277 25.3 21.0 31.4
138 31.8 26.0 39.0

