

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091123\
 Data File : BN027564.D
 Acq On : 11 Sep 2023 06:46
 Operator : MA/JU
 Sample : 04251-01
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OW-02B-20.3-083023

Quant Time: Sep 11 07:54:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 11 05:26:09 2023
 Response via : Initial Calibration

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

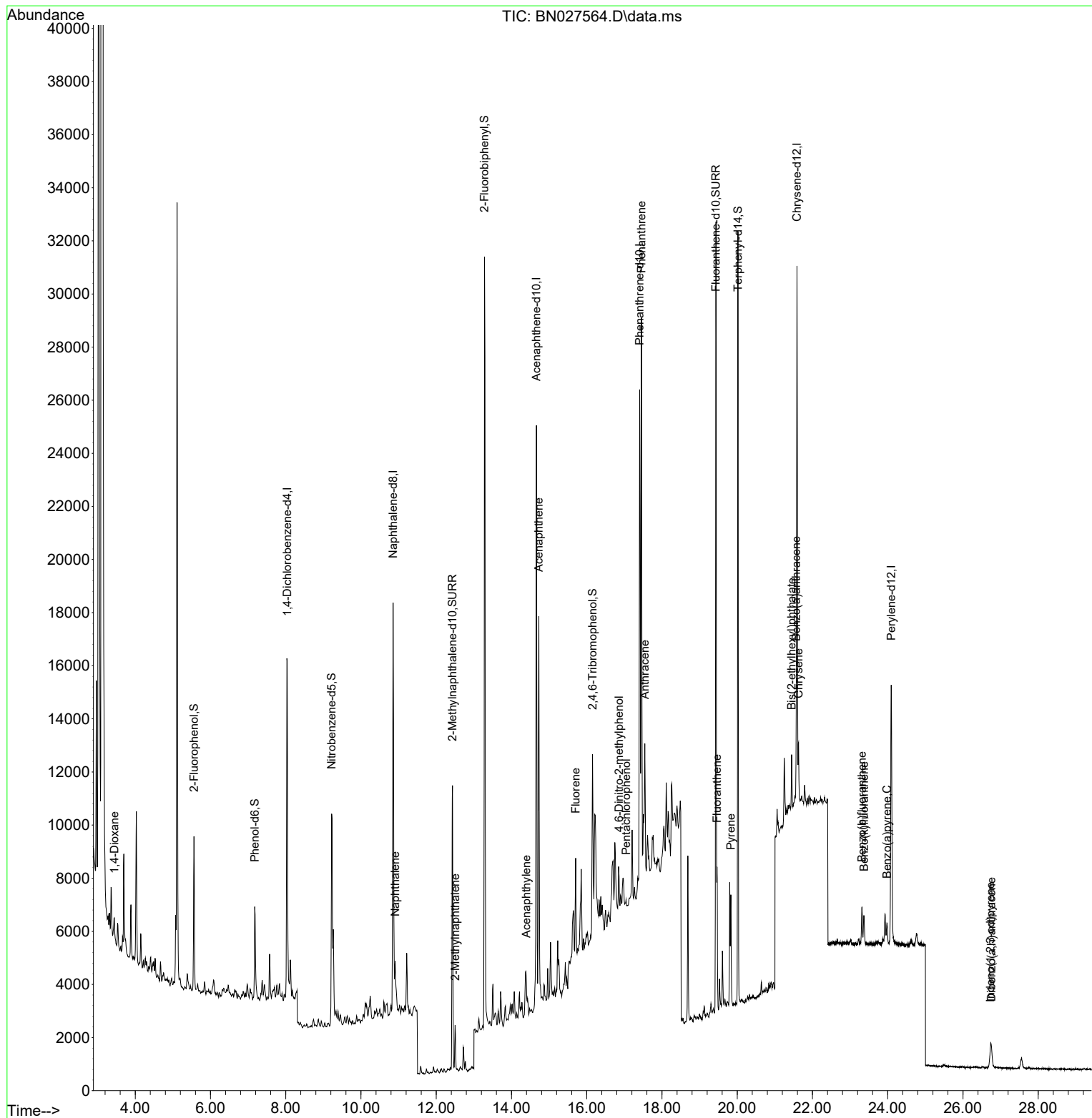
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.037	152	6577	0.400	ng	0.00
7) Naphthalene-d8	10.853	136	20991	0.400	ng	0.00
13) Acenaphthene-d10	14.662	164	12766	0.400	ng	0.00
19) Phenanthrene-d10	17.405	188	27568	0.400	ng	-0.01
29) Chrysene-d12	21.587	240	18468	0.400	ng	0.00
35) Perylene-d12	24.095	264	15211	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.560	112	4726	0.276	ng	0.00
5) Phenol-d6	7.178	99	3518	0.169	ng	0.00
8) Nitrobenzene-d5	9.219	82	8226	0.538	ng	0.00
11) 2-Methylnaphthalene-d10	12.430	152	14720	0.478	ng	0.00
14) 2,4,6-Tribromophenol	16.152	330	3595	0.761	ng	0.00
15) 2-Fluorobiphenyl	13.283	172	25683	0.529	ng	-0.01
27) Fluoranthene-d10	19.435	212	32028	0.467	ng	0.00
31) Terphenyl-d14	20.020	244	28877	0.778	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.444	88	555	0.069	ng	# 67
9) Naphthalene	10.906	128	2144	0.037	ng	# 86
12) 2-Methylnaphthalene	12.502	142	1171	0.029	ng	# 87
16) Acenaphthylene	14.394	152	1406	0.024	ng	# 77
17) Acenaphthene	14.726	154	7360	0.190	ng	99
18) Fluorene	15.705	166	2743	0.053	ng	99
20) 4,6-Dinitro-2-methylph...	16.859	198	58	0.148	ng	# 1
24) Pentachlorophenol	17.045	266	161	0.024	ng	# 79
25) Phenanthrene	17.455	178	21946	0.271	ng	99
26) Anthracene	17.542	178	5474	0.080	ng	# 95
28) Fluoranthene	19.462	202	4558	0.048	ng	# 92
30) Pyrene	19.829	202	3620	0.049	ng	98
32) Benzo(a)anthracene	21.569	228	2349	0.037	ng	# 76
33) Chrysene	21.632	228	1931	0.028	ng	# 74
34) Bis(2-ethylhexyl)phtha...	21.444	149	1858	0.061	ng	# 92
36) Indeno(1,2,3-cd)pyrene	26.729	276	1274	0.021	ng	97
37) Benzo(b)fluoranthene	23.314	252	1768	0.030	ng	# 4
38) Benzo(k)fluoranthene	23.370	252	1592	0.026	ng	# 1
39) Benzo(a)pyrene	23.981	252	1207	0.022	ng	# 1
40) Dibenzo(a,h)anthracene	26.755	278	1091	0.023	ng	# 4

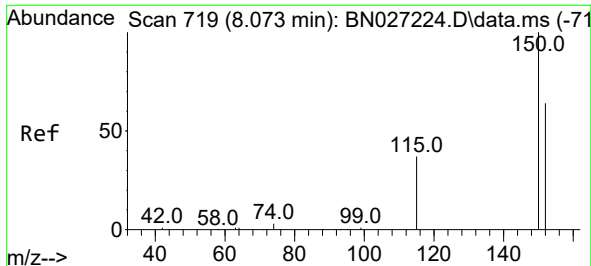
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091123\
Data File : BN027564.D
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Instrument :
BNA_N
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OW-02B-20.3-083023

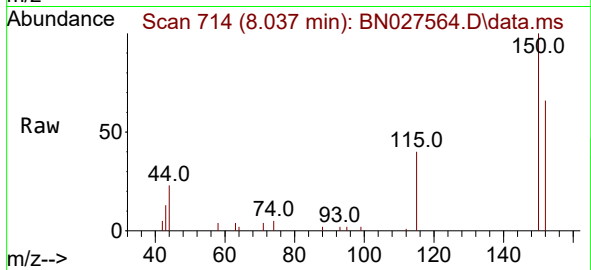
Quant Time: Sep 11 07:54:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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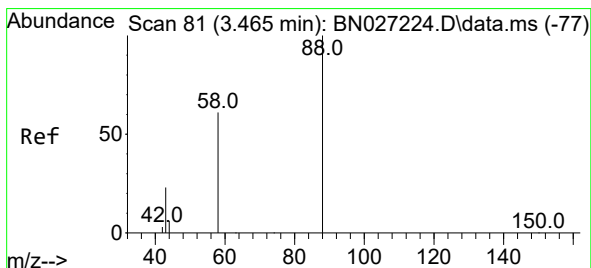
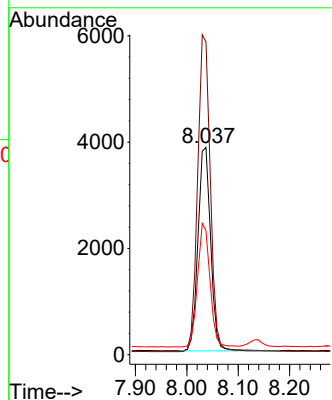
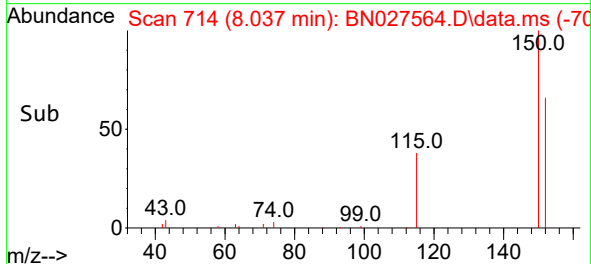


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.037 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BN027564.D
 Acq: 11 Sep 2023 06:46

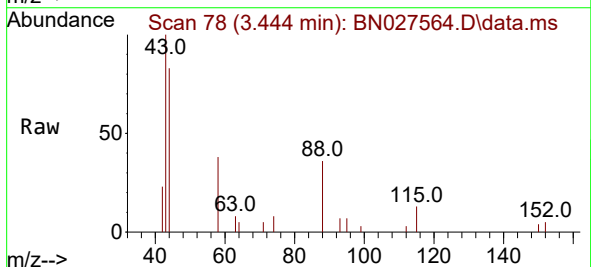
Instrument :
 BNA_N
 ClientSampleId :
 OW-02B-20.3-083023



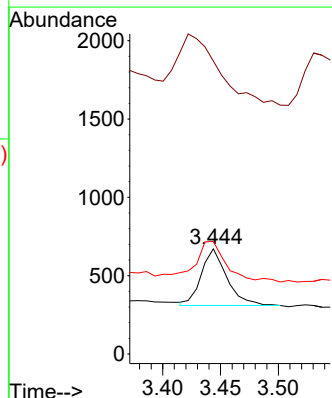
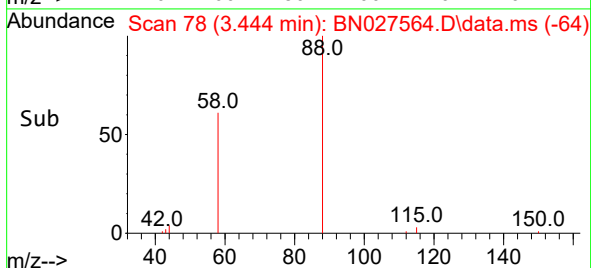
Tgt Ion:152 Resp: 6577
 Ion Ratio Lower Upper
 152 100
 150 151.1 122.7 184.1
 115 59.9 48.6 73.0

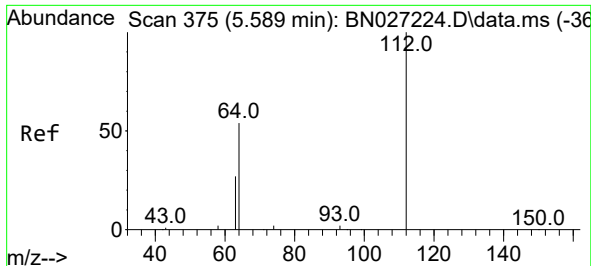


#2
 1,4-Dioxane
 Concen: 0.069 ng
 RT: 3.444 min Scan# 78
 Delta R.T. -0.000 min
 Lab File: BN027564.D
 Acq: 11 Sep 2023 06:46



Tgt Ion: 88 Resp: 555
 Ion Ratio Lower Upper
 88 100
 43 0.0 19.1 28.7#
 58 87.2 52.2 78.2#

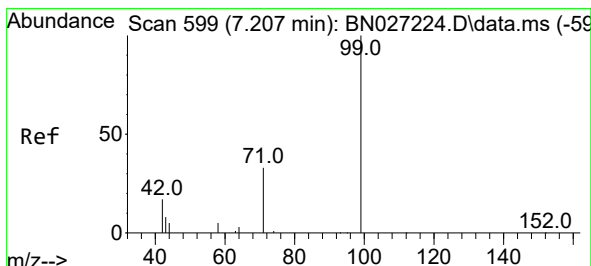
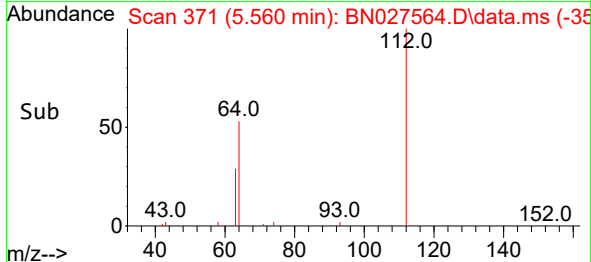
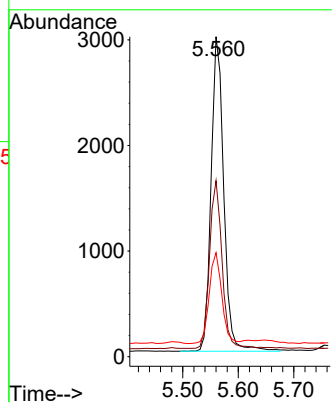
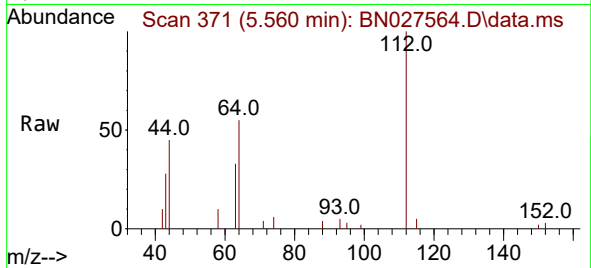




#4
2-Fluorophenol
Concen: 0.276 ng
RT: 5.560 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

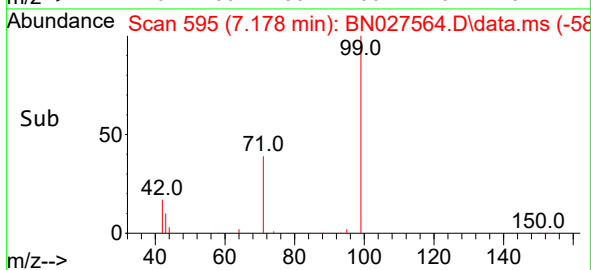
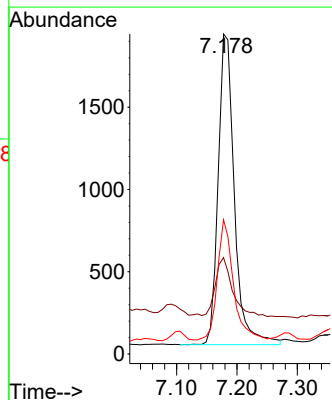
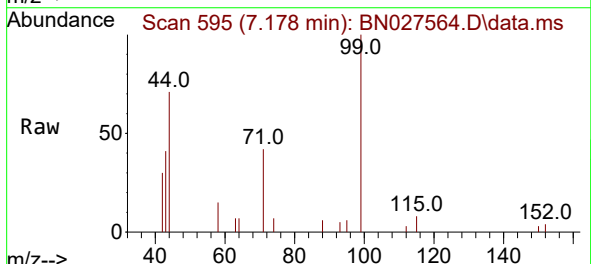
Instrument :
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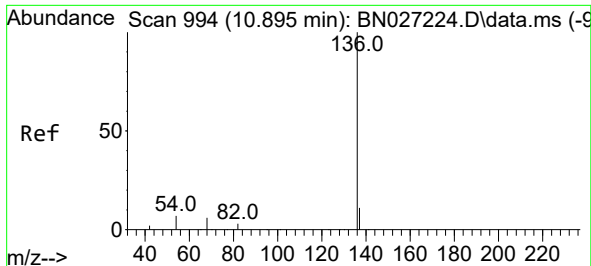
Tgt Ion:112 Resp: 4726
Ion Ratio Lower Upper
112 100
64 52.9 44.4 66.6
63 28.7 23.1 34.7



#5
Phenol-d6
Concen: 0.169 ng
RT: 7.178 min Scan# 595
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion: 99 Resp: 3518
Ion Ratio Lower Upper
99 100
42 22.2 14.5 21.7#
71 38.0 25.8 38.6

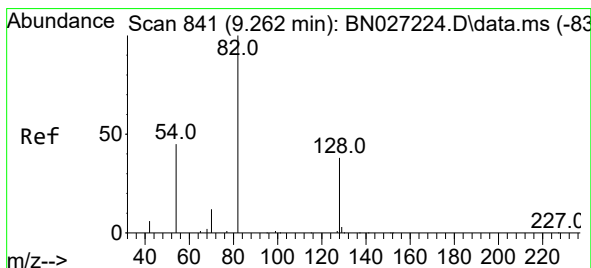
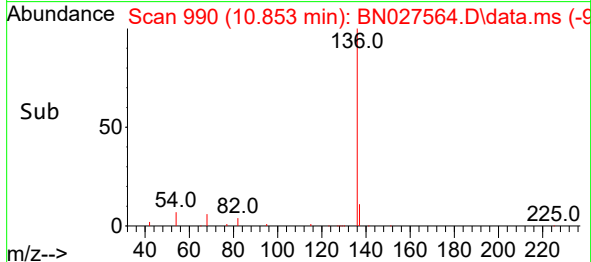
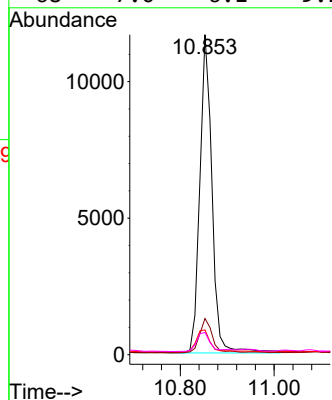
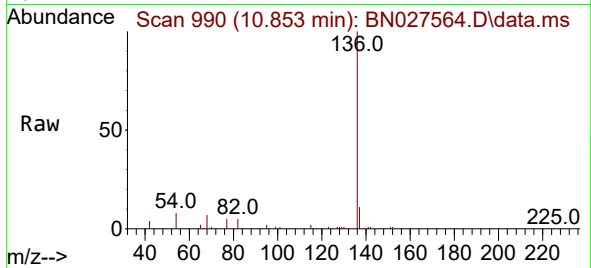




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.853 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

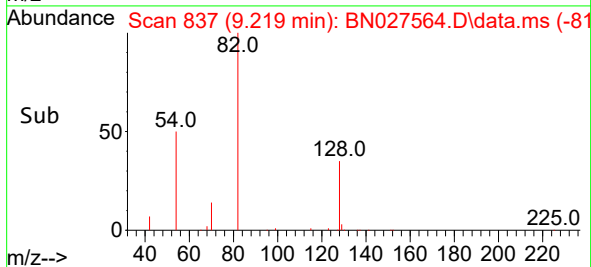
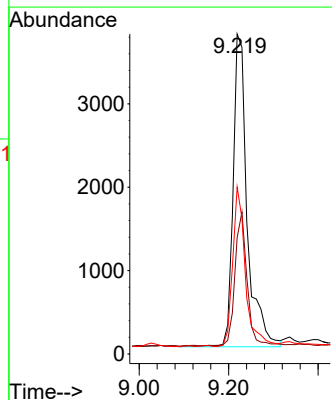
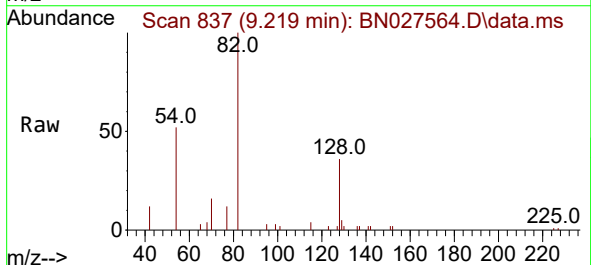
Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

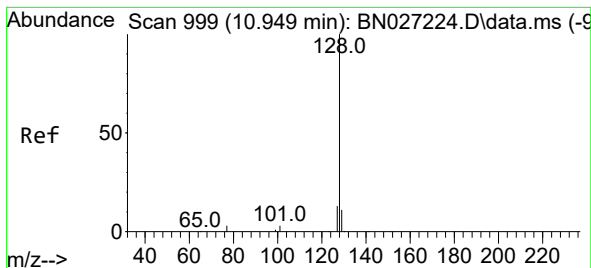
Tgt Ion:	136	Resp:	20991
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.3	13.9
54	7.8	6.7	10.1
68	7.0	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.538 ng
RT: 9.219 min Scan# 837
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:	82	Resp:	8226
Ion Ratio	Lower	Upper	
82	100		
128	36.4	33.4	50.0
54	52.1	37.7	56.5





#9

Naphthalene

Concen: 0.037 ng

RT: 10.906 min Scan# 99

Delta R.T. -0.000 min

Lab File: BN027564.D

Acq: 11 Sep 2023 06:46

Instrument :

BNA_N

ClientSampleId :

OW-02B-20.3-083023

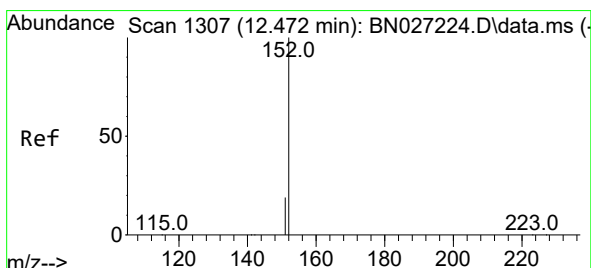
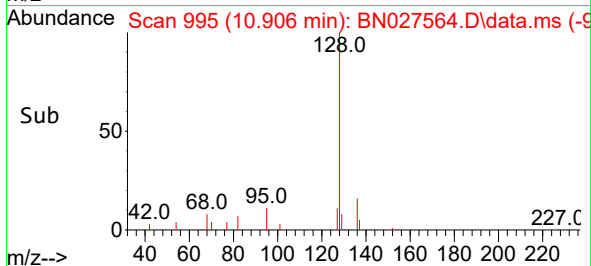
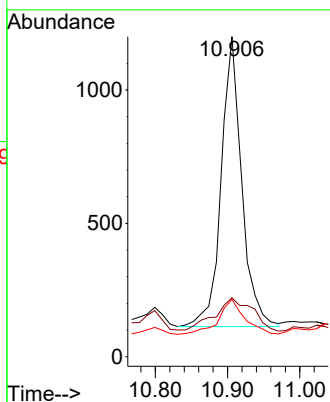
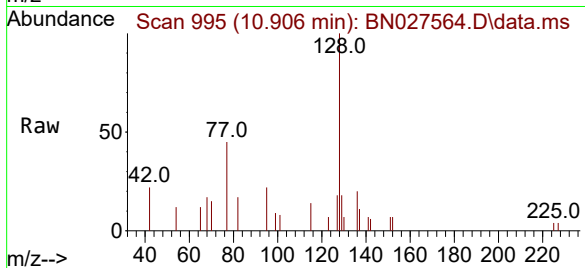
Tgt Ion:128 Resp: 2144

Ion Ratio Lower Upper

128 100

129 18.4 9.4 14.0#

127 17.9 10.6 15.8#



#11

2-Methylnaphthalene-d10

Concen: 0.478 ng

RT: 12.430 min Scan# 1296

Delta R.T. -0.000 min

Lab File: BN027564.D

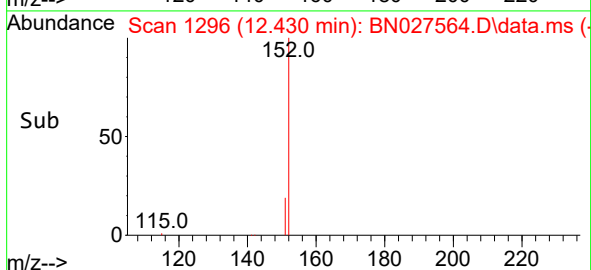
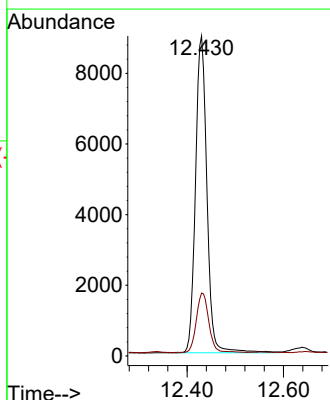
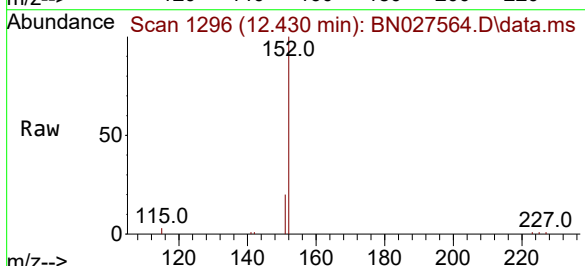
Acq: 11 Sep 2023 06:46

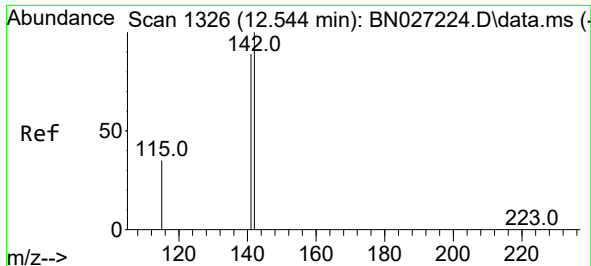
Tgt Ion:152 Resp: 14720

Ion Ratio Lower Upper

152 100

151 20.3 16.6 25.0

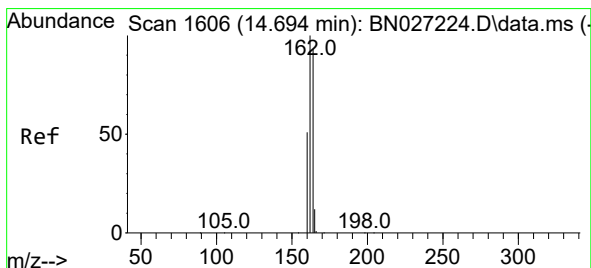
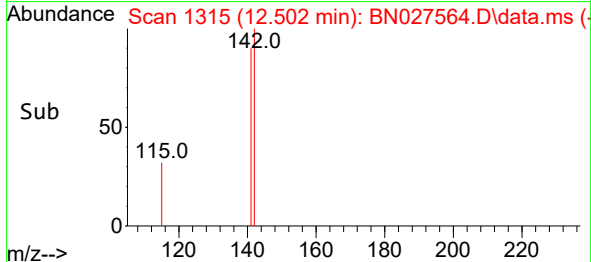
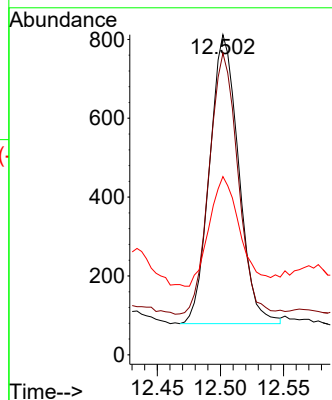
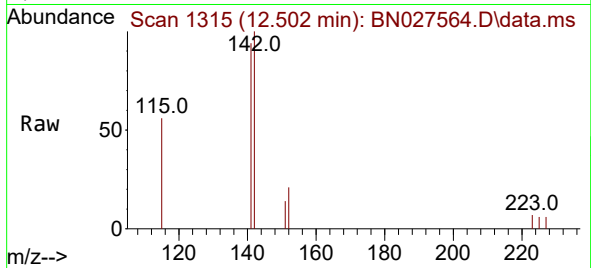




#12
2-Methylnaphthalene
Concen: 0.029 ng
RT: 12.502 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

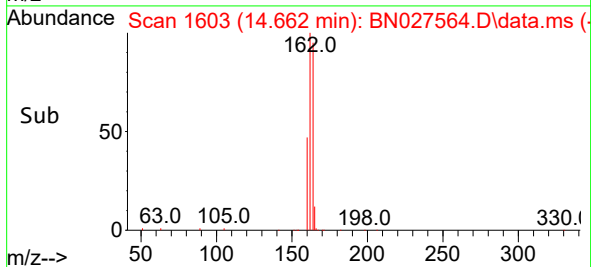
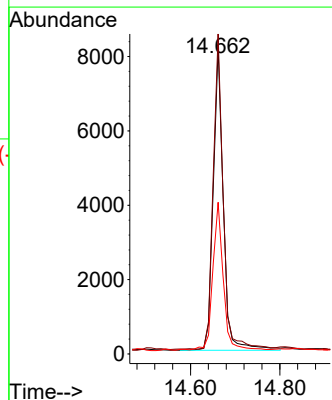
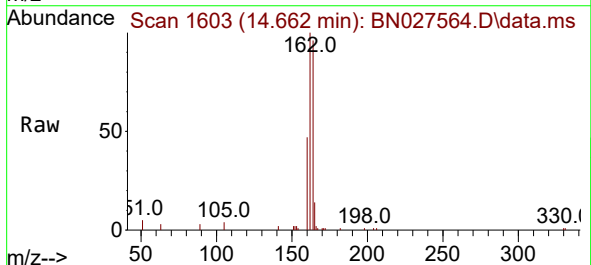
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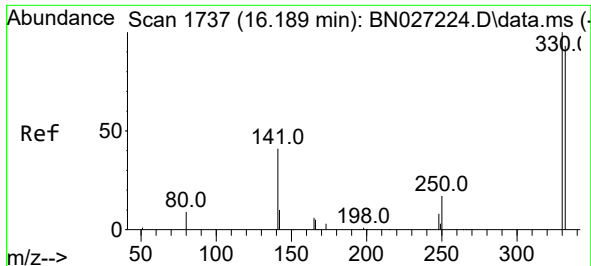
Tgt Ion:142 Resp: 1171
Ion Ratio Lower Upper
142 100
141 94.2 71.1 106.7
115 55.7 29.6 44.4#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.662 min Scan# 1603
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:164 Resp: 12766
Ion Ratio Lower Upper
164 100
162 104.4 85.8 128.8
160 49.5 44.2 66.2

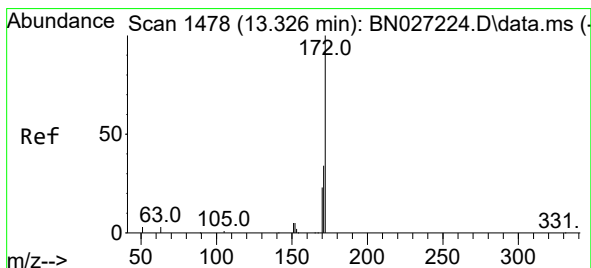
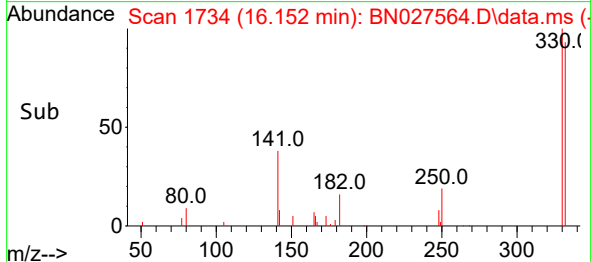
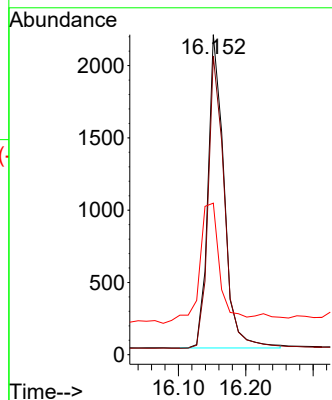
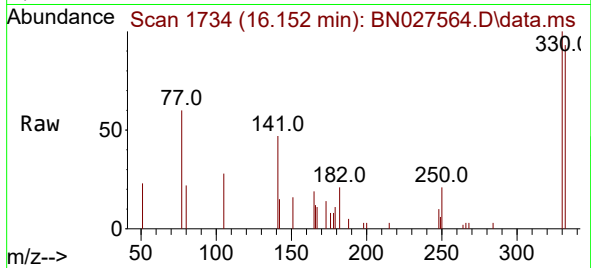




#14
2,4,6-Tribromophenol
Concen: 0.761 ng
RT: 16.152 min Scan# 1734
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

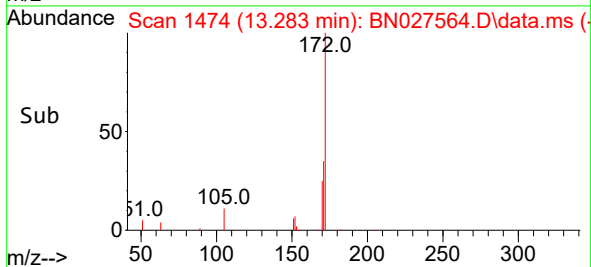
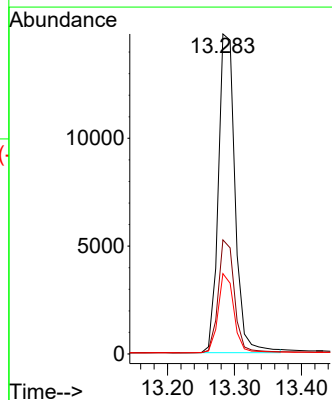
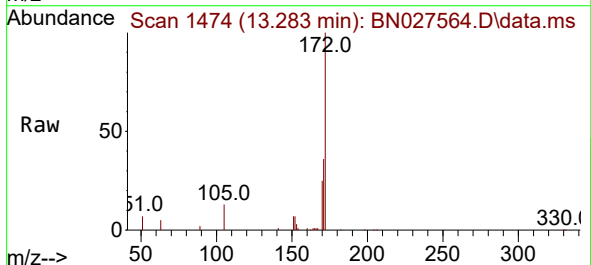
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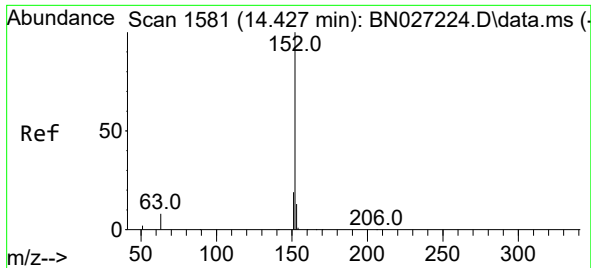
Tgt Ion:330 Resp: 3595
Ion Ratio Lower Upper
330 100
332 94.6 75.2 112.8
141 48.8 36.2 54.4



#15
2-Fluorobiphenyl
Concen: 0.529 ng
RT: 13.283 min Scan# 1474
Delta R.T. -0.011 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:172 Resp: 25683
Ion Ratio Lower Upper
172 100
171 35.7 27.8 41.8
170 25.1 19.3 28.9

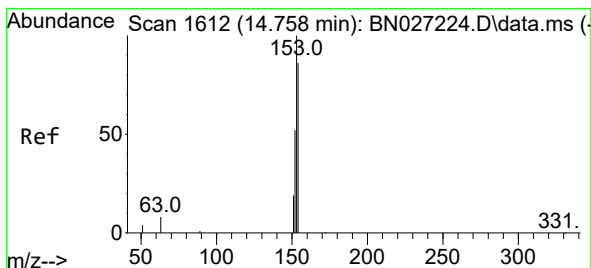
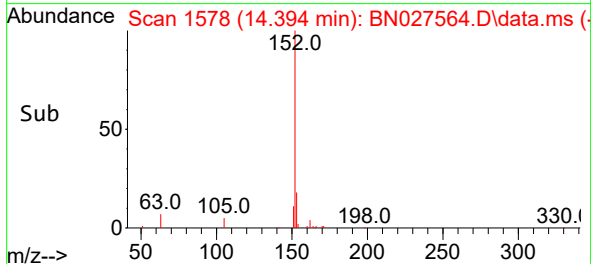
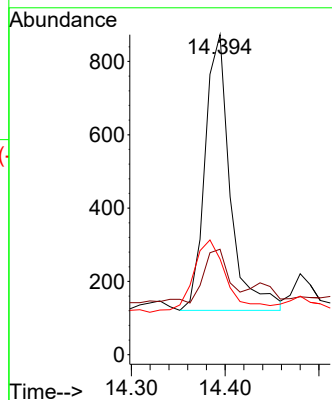
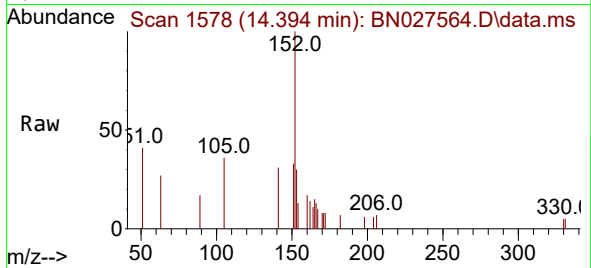




#16
Acenaphthylene
Concen: 0.024 ng
RT: 14.394 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

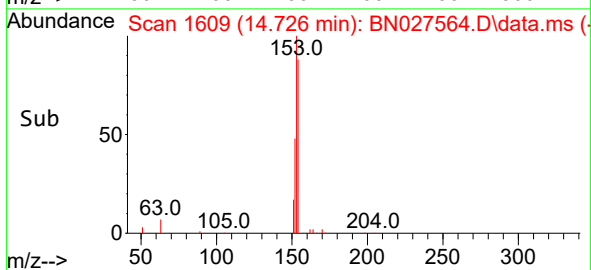
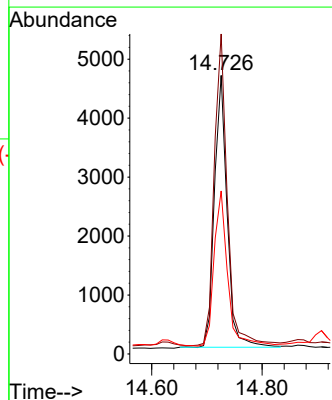
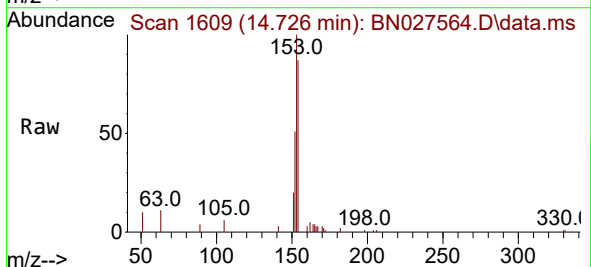
Instrument :
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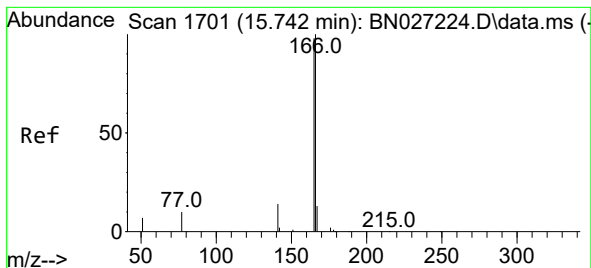
Tgt Ion:152 Resp: 1406
Ion Ratio Lower Upper
152 100
151 19.9 15.5 23.3
153 35.4 10.3 15.5#



#17
Acenaphthene
Concen: 0.190 ng
RT: 14.726 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:154 Resp: 7360
Ion Ratio Lower Upper
154 100
153 117.7 93.1 139.7
152 61.2 48.6 73.0





#18

Fluorene

Concen: 0.053 ng

RT: 15.705 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN027564.D

Acq: 11 Sep 2023 06:46

Instrument :

BNA_N

ClientSampleId :

OW-02B-20.3-083023

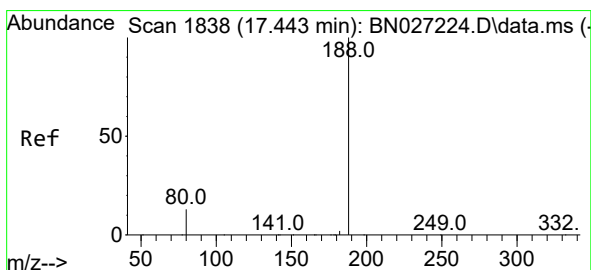
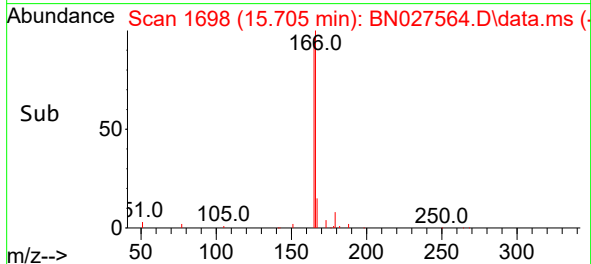
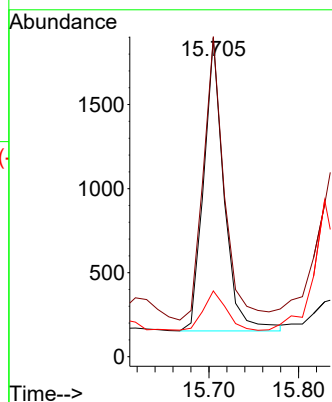
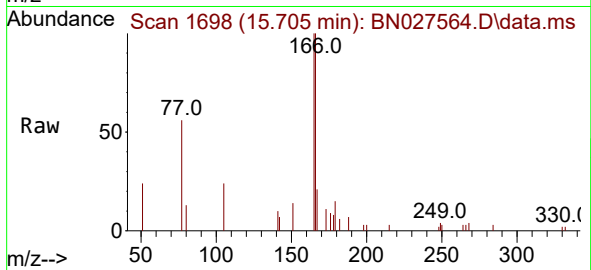
Tgt Ion:166 Resp: 2743

Ion Ratio Lower Upper

166 100

165 99.1 79.0 118.4

167 15.0 10.8 16.2



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.405 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BN027564.D

Acq: 11 Sep 2023 06:46

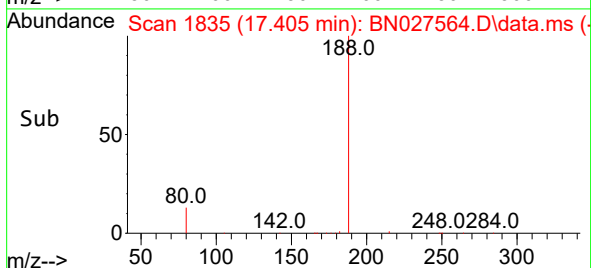
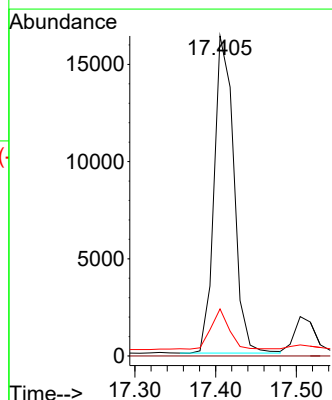
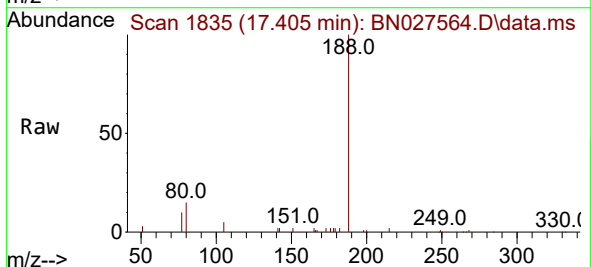
Tgt Ion:188 Resp: 27568

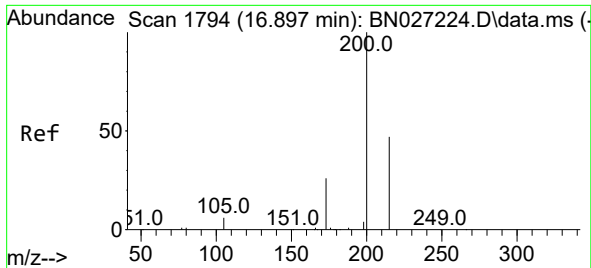
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.7 11.0 16.6

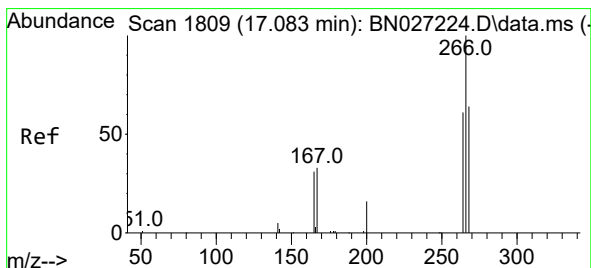
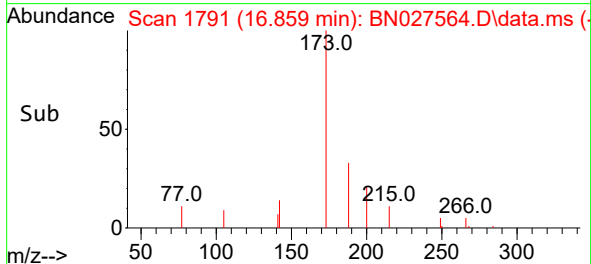
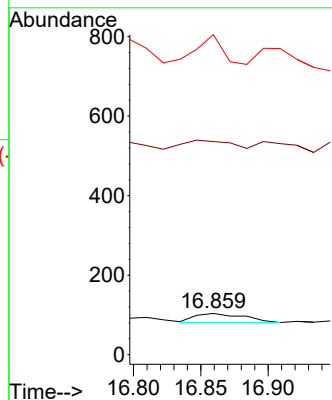
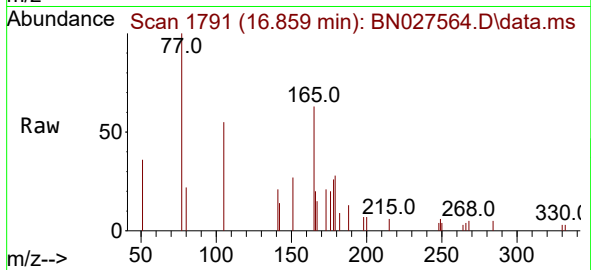




#20
4,6-Dinitro-2-methylphenol
Concen: 0.148 ng
RT: 16.859 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

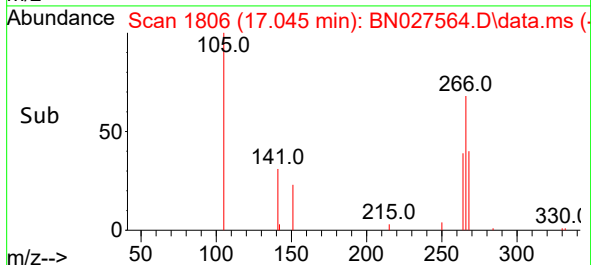
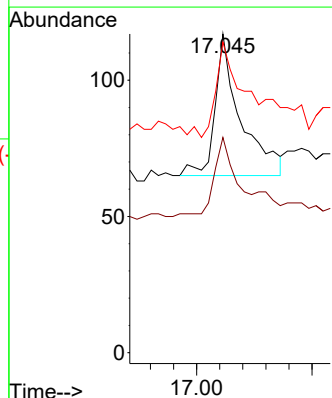
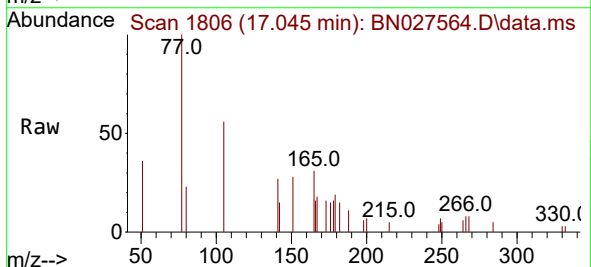
Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

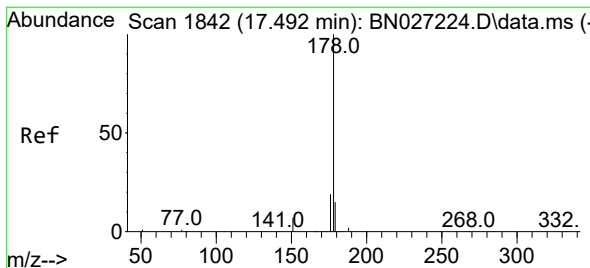
Tgt Ion:198 Resp: 58
Ion Ratio Lower Upper
198 100
51 515.4 282.2 423.2#
105 774.0 168.7 253.1#



#24
Pentachlorophenol
Concen: 0.024 ng
RT: 17.045 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:266 Resp: 161
Ion Ratio Lower Upper
266 100
264 60.9 50.3 75.5
268 95.0 52.0 78.0#





#25

Phenanthrene

Concen: 0.271 ng

RT: 17.455 min Scan# 1839

Delta R.T. -0.000 min

Lab File: BN027564.D

Acq: 11 Sep 2023 06:46

Instrument :

BNA_N

ClientSampleId :

OW-02B-20.3-083023

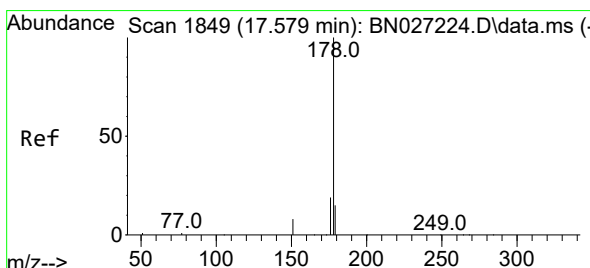
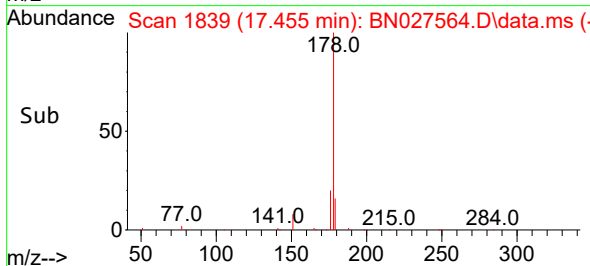
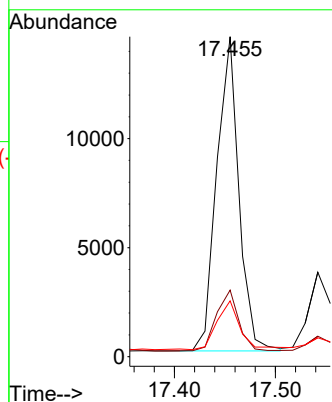
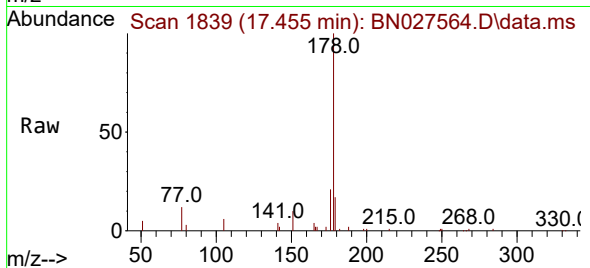
Tgt Ion:178 Resp: 21946

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 15.9 12.3 18.5



#26

Anthracene

Concen: 0.080 ng

RT: 17.542 min Scan# 1846

Delta R.T. -0.000 min

Lab File: BN027564.D

Acq: 11 Sep 2023 06:46

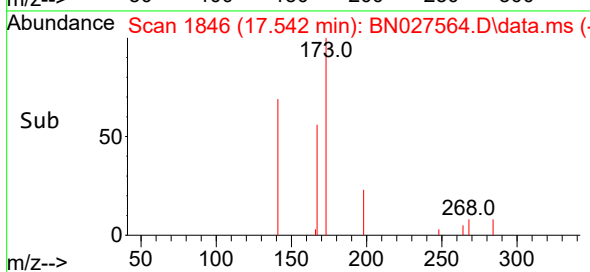
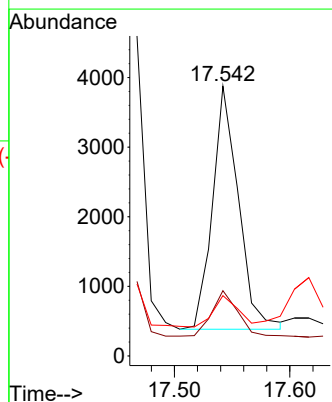
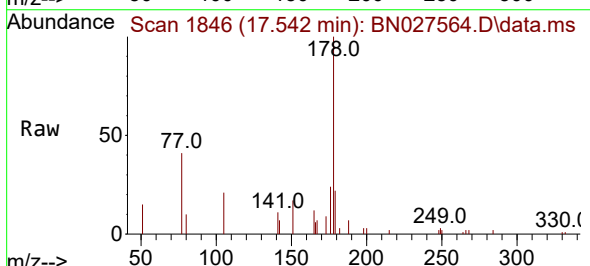
Tgt Ion:178 Resp: 5474

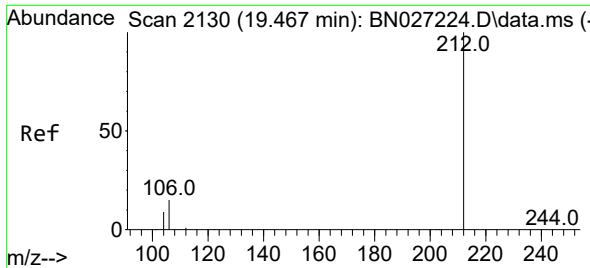
Ion Ratio Lower Upper

178 100

176 19.9 14.9 22.3

179 11.7 12.0 18.0#

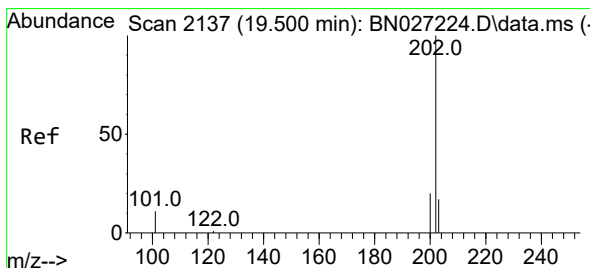
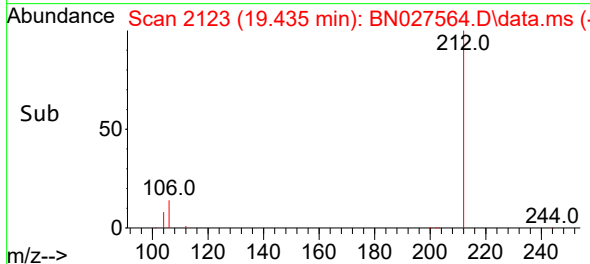
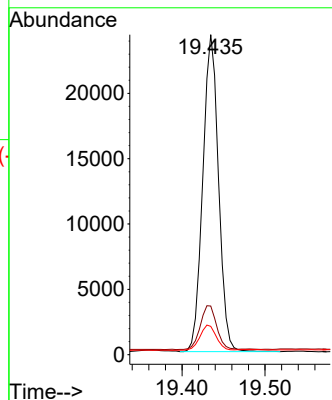
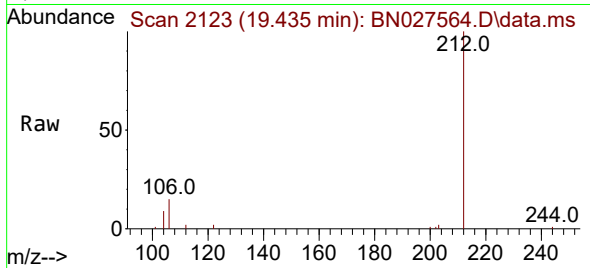




#27
Fluoranthene-d10
Concen: 0.467 ng
RT: 19.435 min Scan# 2112
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

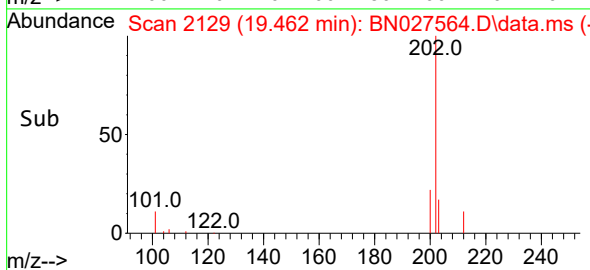
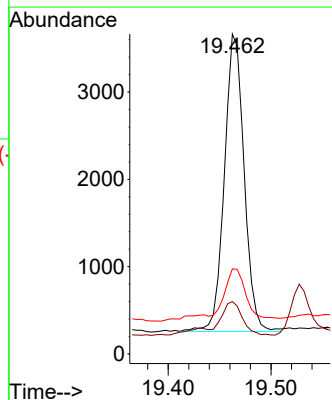
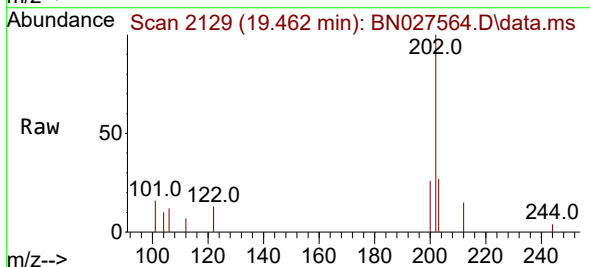
Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

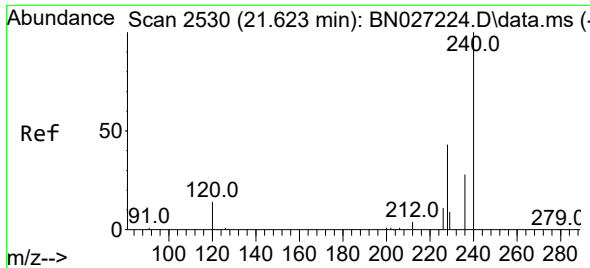
Tgt Ion:212 Resp: 32028
Ion Ratio Lower Upper
212 100
106 14.4 12.1 18.1
104 8.2 6.9 10.3



#28
Fluoranthene
Concen: 0.048 ng
RT: 19.462 min Scan# 2129
Delta R.T. -0.005 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:202 Resp: 4558
Ion Ratio Lower Upper
202 100
101 11.6 9.6 14.4
203 22.6 13.6 20.4#

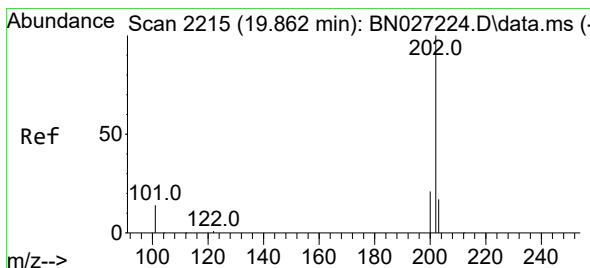
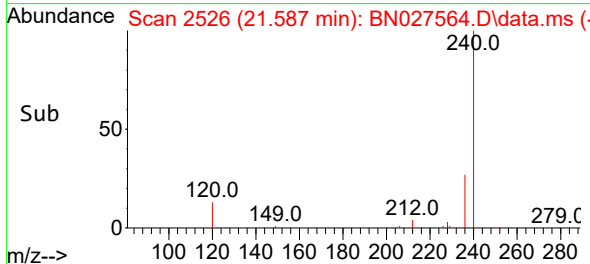
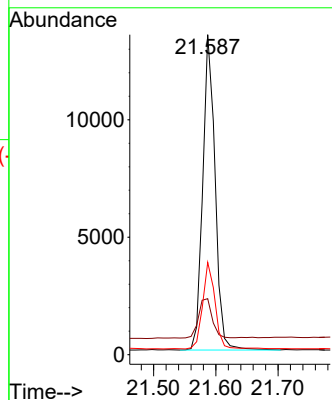
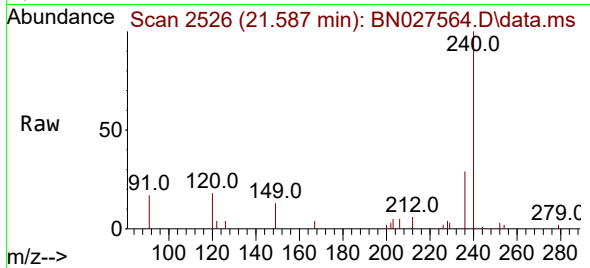




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.587 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

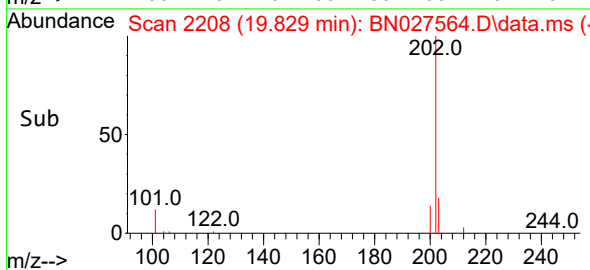
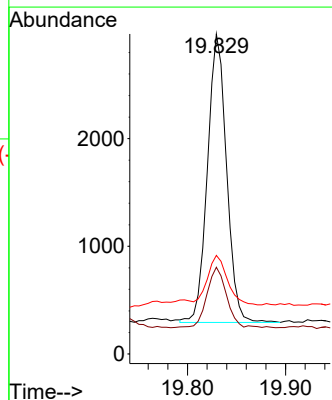
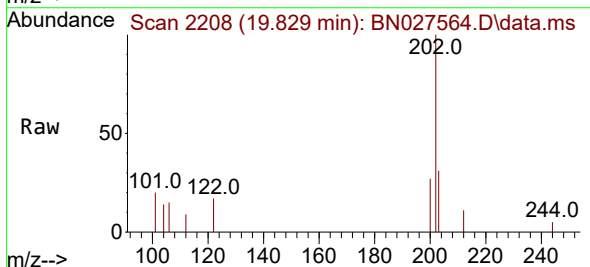
Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

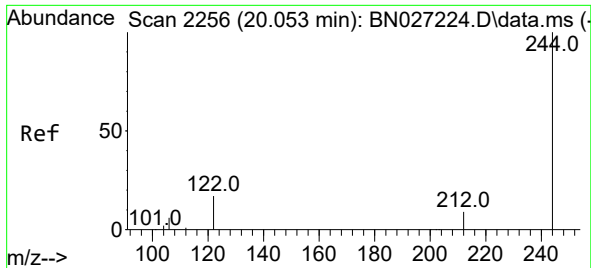
Tgt Ion:240 Resp: 18468
Ion Ratio Lower Upper
240 100
120 17.5 14.2 21.4
236 28.9 22.9 34.3



#30
Pyrene
Concen: 0.049 ng
RT: 19.829 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:202 Resp: 3620
Ion Ratio Lower Upper
202 100
200 22.0 16.6 25.0
203 18.5 14.2 21.4

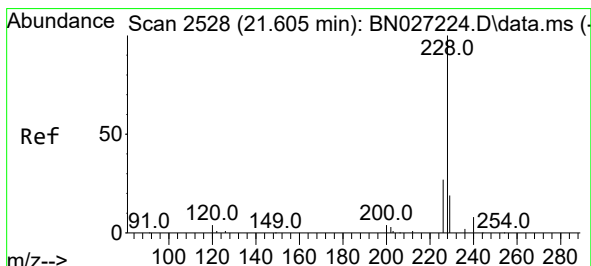
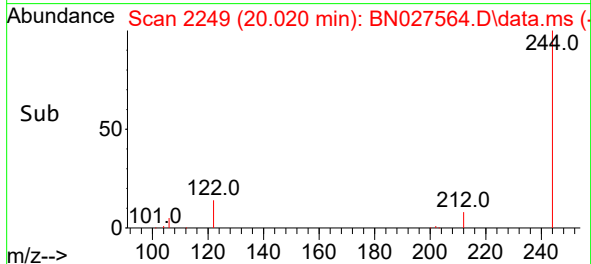
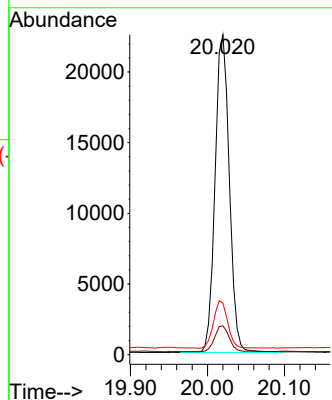
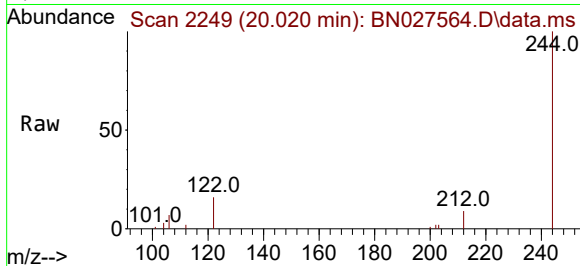




#31
Terphenyl-d14
Concen: 0.778 ng
RT: 20.020 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

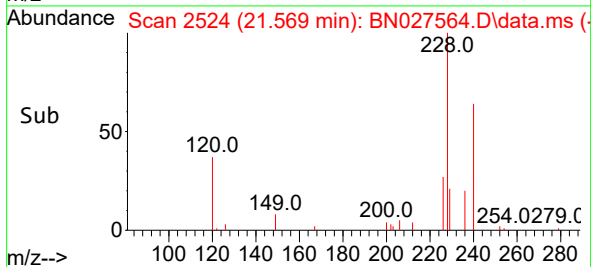
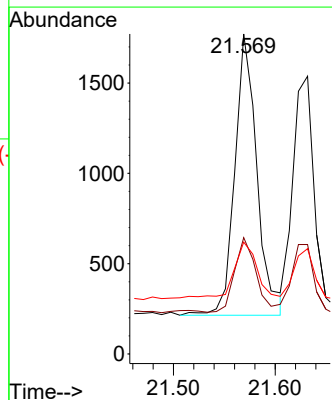
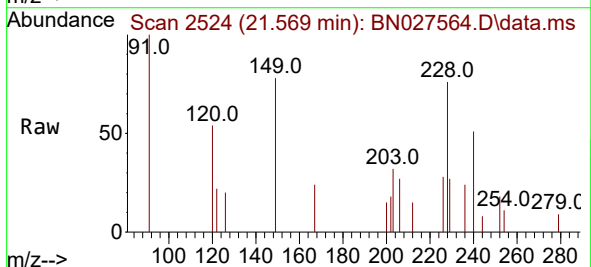
Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

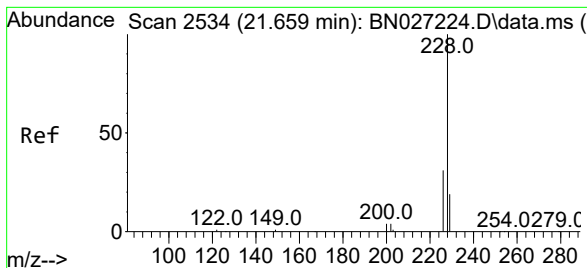
Tgt Ion:244 Resp: 28877
Ion Ratio Lower Upper
244 100
212 9.0 7.5 11.3
122 16.2 14.0 21.0



#32
Benzo(a)anthracene
Concen: 0.037 ng
RT: 21.569 min Scan# 2524
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:228 Resp: 2349
Ion Ratio Lower Upper
228 100
226 36.3 21.9 32.9#
229 34.9 15.7 23.5#





#33

Chrysene

Concen: 0.028 ng

RT: 21.632 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN027564.D

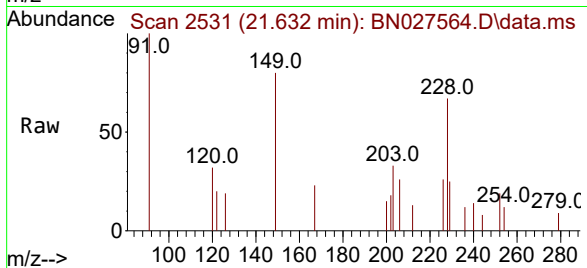
Acq: 11 Sep 2023 06:46

Instrument :

BNA_N

ClientSampleId :

OW-02B-20.3-083023



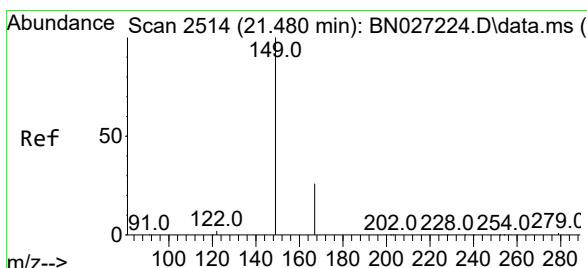
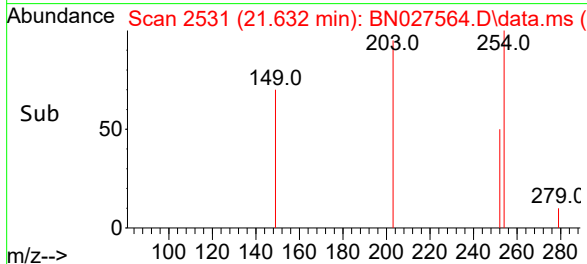
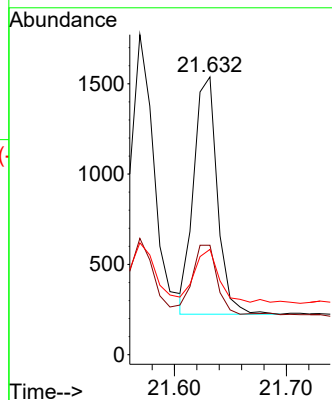
Tgt Ion:228 Resp: 1931

Ion Ratio Lower Upper

228 100

226 39.4 24.3 36.5#

229 37.9 15.4 23.2#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.061 ng

RT: 21.444 min Scan# 2510

Delta R.T. -0.000 min

Lab File: BN027564.D

Acq: 11 Sep 2023 06:46

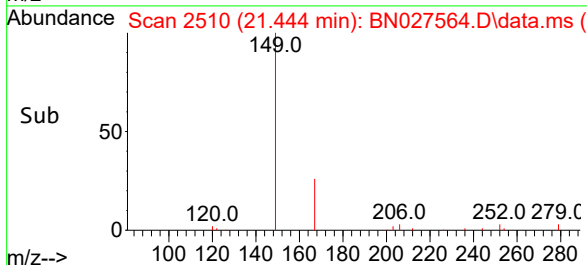
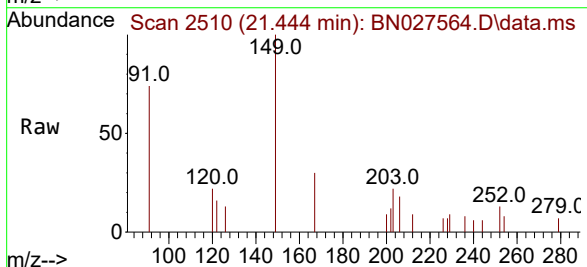
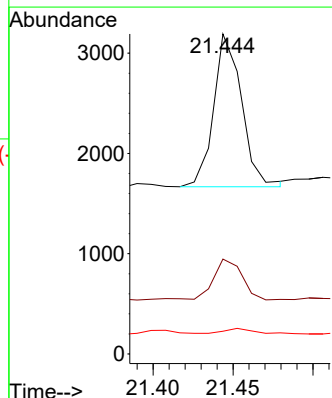
Tgt Ion:149 Resp: 1858

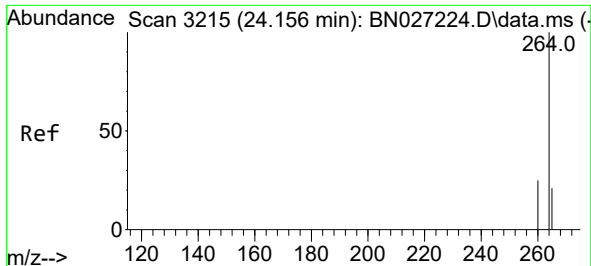
Ion Ratio Lower Upper

149 100

167 32.3 22.1 33.1

279 4.4 2.7 4.1#



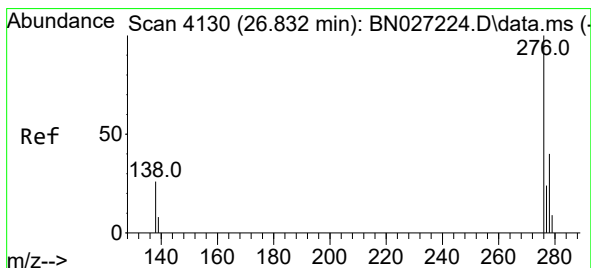
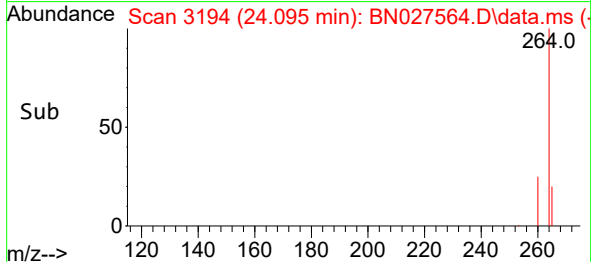
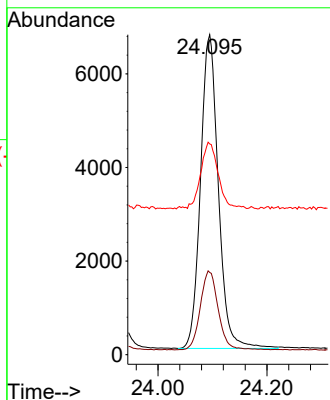
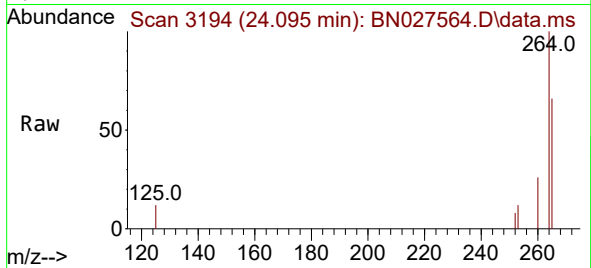


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.095 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

Tgt Ion:264 Resp: 15211

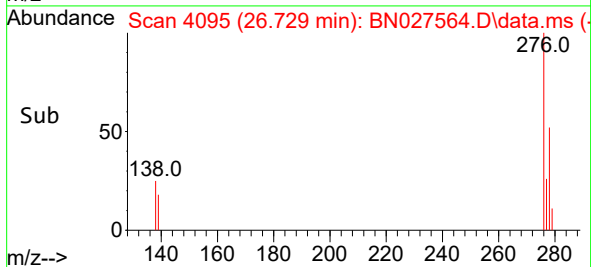
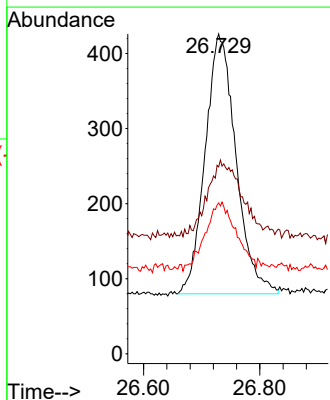
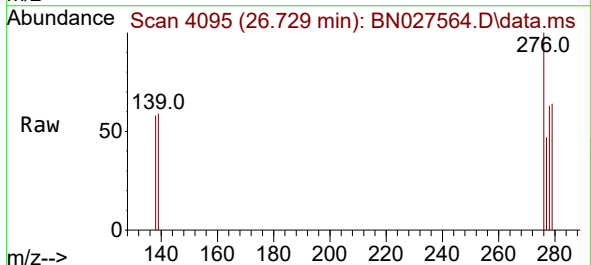
Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.7	31.1
265	65.9	53.3	79.9

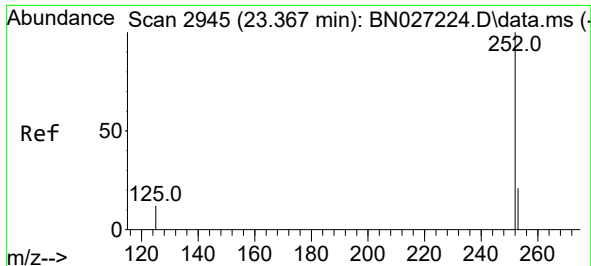


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.021 ng
RT: 26.729 min Scan# 4095
Delta R.T. -0.006 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:276 Resp: 1274

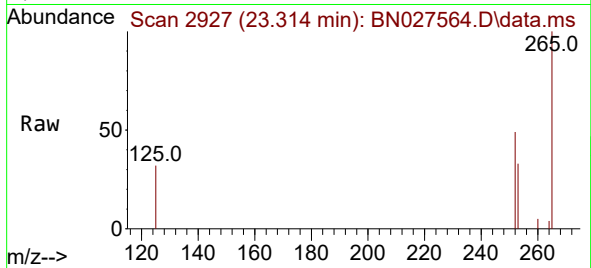
Ion	Ratio	Lower	Upper
276	100		
138	28.7	23.4	35.2
277	26.9	19.8	29.8



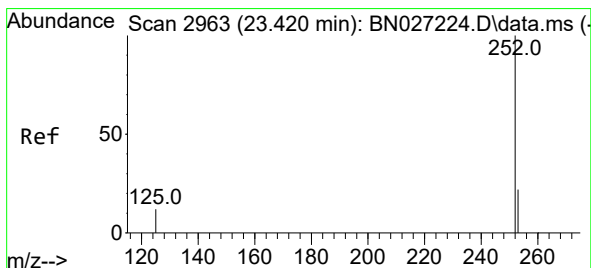
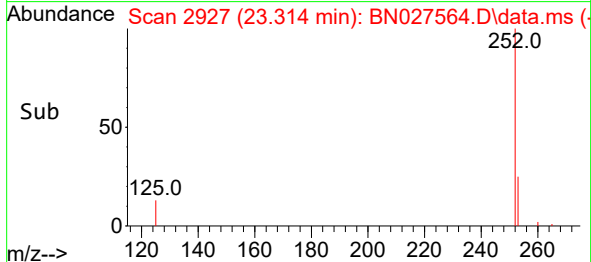
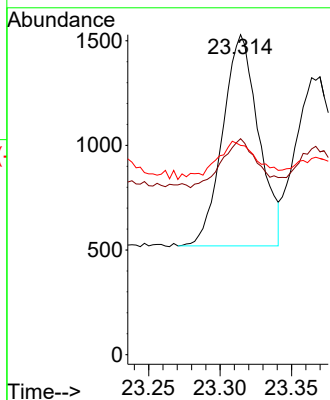


#37
Benzo(b)fluoranthene
Concen: 0.030 ng
RT: 23.314 min Scan# 2945
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023

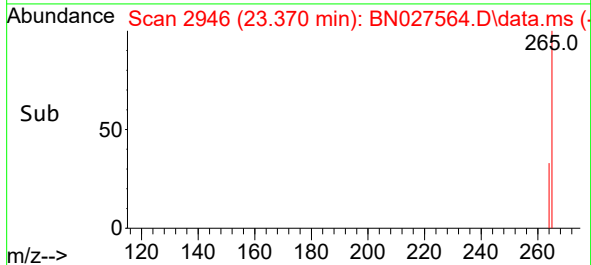
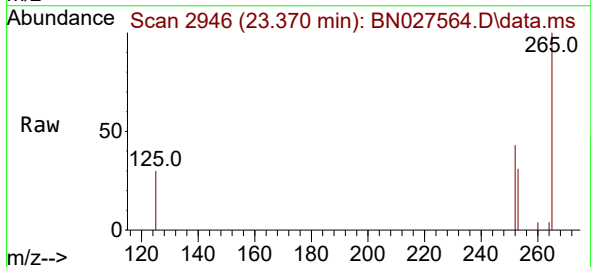
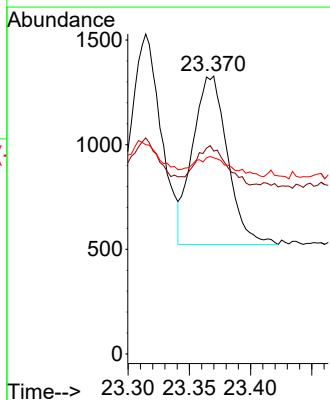


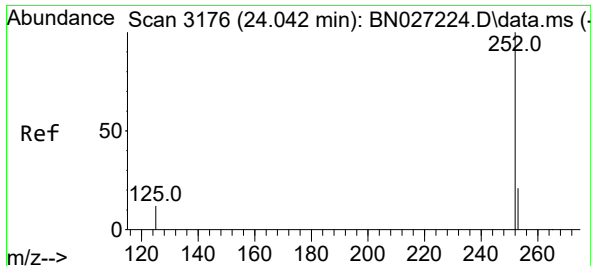
Tgt Ion:252 Resp: 1768
Ion Ratio Lower Upper
252 100
253 67.5 19.9 29.9#
125 65.4 13.8 20.6#



#38
Benzo(k)fluoranthene
Concen: 0.026 ng
RT: 23.370 min Scan# 2946
Delta R.T. 0.006 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

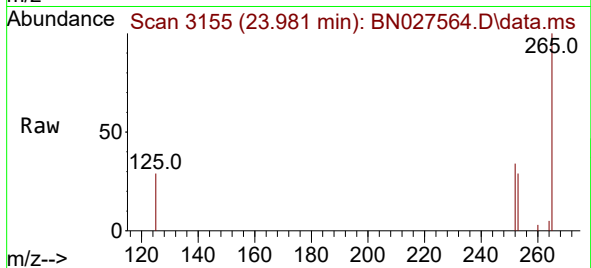
Tgt Ion:252 Resp: 1592
Ion Ratio Lower Upper
252 100
253 73.0 20.2 30.2#
125 70.6 14.1 21.1#



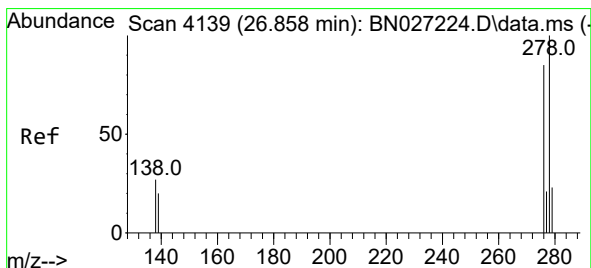
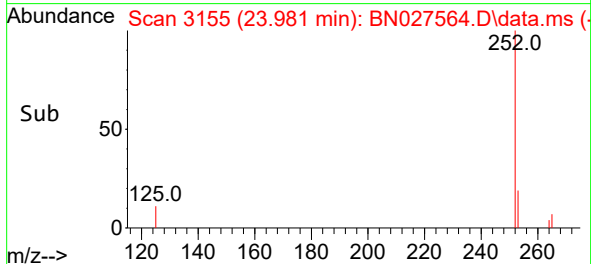
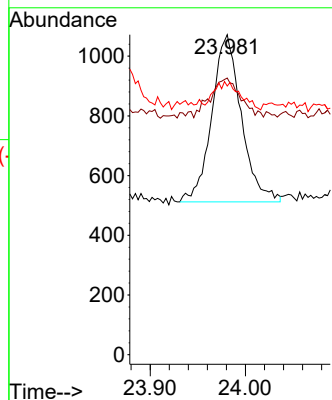


#39
Benzo(a)pyrene
Concen: 0.022 ng
RT: 23.981 min Scan# 3176
Delta R.T. -0.000 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Instrument :
BNA_N
ClientSampleId :
OW-02B-20.3-083023



Tgt Ion:252 Resp: 1207
Ion Ratio Lower Upper
252 100
253 86.5 21.4 32.0#
125 84.0 16.5 24.7#



#40
Dibenzo(a,h)anthracene
Concen: 0.023 ng
RT: 26.755 min Scan# 4104
Delta R.T. -0.003 min
Lab File: BN027564.D
Acq: 11 Sep 2023 06:46

Tgt Ion:278 Resp: 1091
Ion Ratio Lower Upper
278 100
139 71.9 17.9 26.9#
279 73.8 21.8 32.6#

