

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062124\
 Data File : BN032156.D
 Acq On : 22 Jun 2024 06:47
 Operator : MA/JU
 Sample : P2897-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-189-GW-478-480

Quant Time: Jun 22 08:10:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 19 11:30:34 2024
 Response via : Initial Calibration

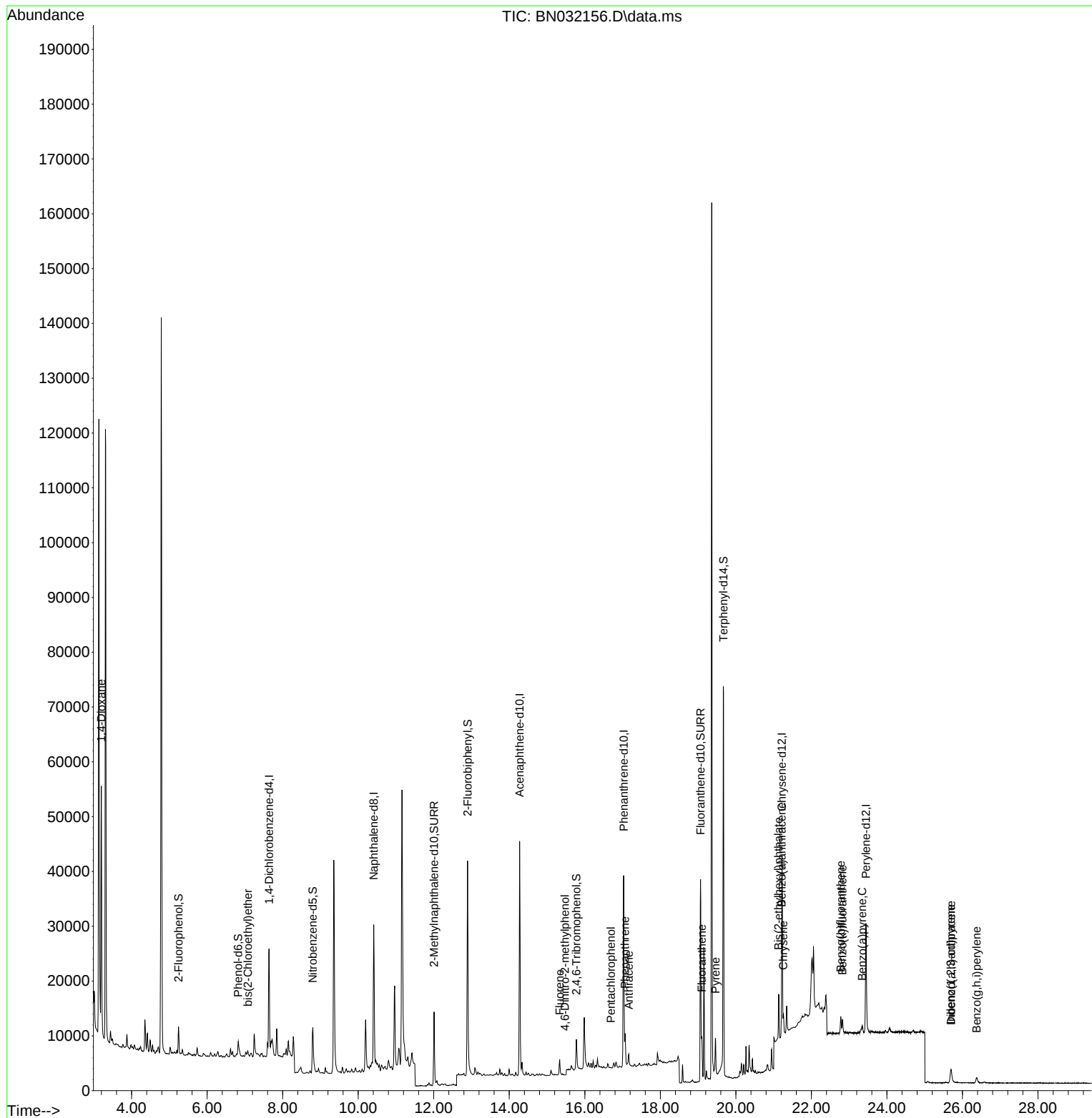
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.639	152	10910	0.400	ng	0.00
7) Naphthalene-d8	10.411	136	37908	0.400	ng	-0.01
13) Acenaphthene-d10	14.274	164	25208	0.400	ng	-0.01
19) Phenanthrene-d10	17.029	188	51217	0.400	ng	0.00
29) Chrysene-d12	21.220	240	29773	0.400	ng	# 0.00
35) Perylene-d12	23.443	264	27374	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.241	112	4550	0.147	ng	0.00
5) Phenol-d6	6.823	99	3891	0.096	ng	0.00
8) Nitrobenzene-d5	8.798	82	9206	0.292	ng	0.00
11) 2-Methylnaphthalene-d10	12.009	152	20228	0.335	ng	-0.01
14) 2,4,6-Tribromophenol	15.775	330	3654	0.302	ng	-0.01
15) 2-Fluorobiphenyl	12.895	172	39318	0.411	ng	-0.01
27) Fluoranthene-d10	19.063	212	43046	0.309	ng	0.00
31) Terphenyl-d14	19.667	244	40258	0.553	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.197	88	30562	2.288	ng	98
6) bis(2-Chloroethyl)ether	7.076	93	936	0.027	ng	91
18) Fluorene	15.333	166	2128	0.021	ng	100
20) 4,6-Dinitro-2-methylph...	15.472	198	10	0.175	ng	# 1
24) Pentachlorophenol	16.694	266	61	0.174	ng	# 51
25) Phenanthrene	17.066	178	5270	0.037	ng	98
26) Anthracene	17.165	178	2898	0.022	ng	100
28) Fluoranthene	19.096	202	6284	0.036	ng	# 57
30) Pyrene	19.458	202	6259	0.053	ng	# 81
32) Benzo(a)anthracene	21.211	228	3468	0.031	ng	# 83
33) Chrysene	21.256	228	2906	0.027	ng	# 78
34) Bis(2-ethylhexyl)phtha...	21.130	149	8880	0.116	ng	97
36) Indeno(1,2,3-cd)pyrene	25.695	276	3071	0.030	ng	96
37) Benzo(b)fluoranthene	22.777	252	3858	0.039	ng	# 21
38) Benzo(k)fluoranthene	22.823	252	2917	0.031	ng	# 4
39) Benzo(a)pyrene	23.347	252	1971	0.023	ng	# 1
40) Dibenzo(a,h)anthracene	25.700	278	2383	0.030	ng	# 28
41) Benzo(g,h,i)perylene	26.376	276	2226	0.026	ng	# 51

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

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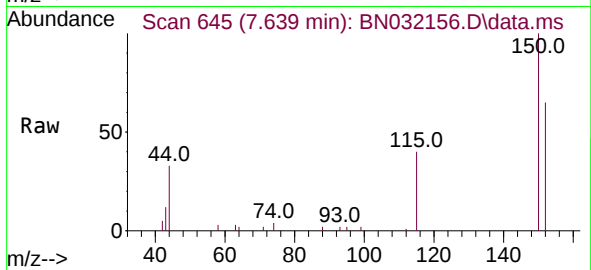
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 19 11:30:34 2024
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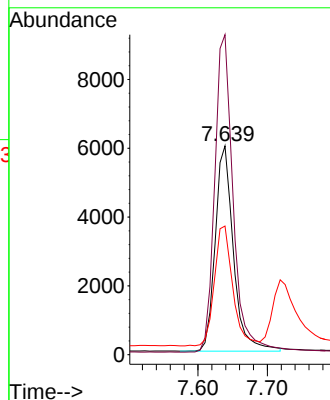
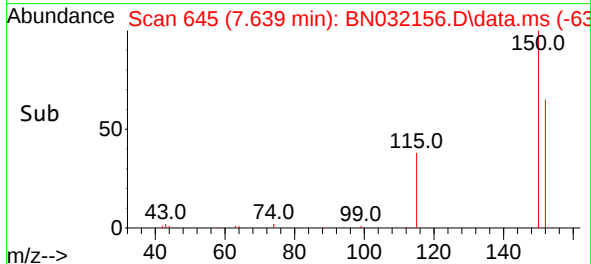


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.639 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN032156.D
 Acq: 22 Jun 2024 06:47

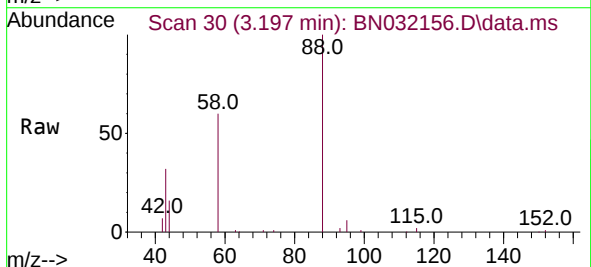
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 BP-VPB-189-GW-478-480



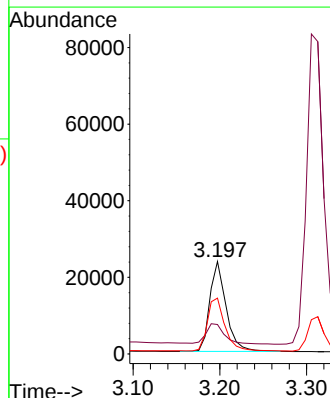
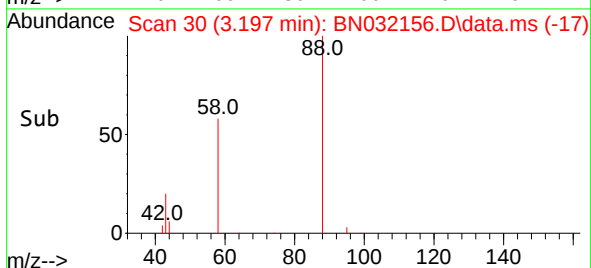
Tgt Ion:152 Resp: 10910
 Ion Ratio Lower Upper
 152 100
 150 153.2 121.0 181.4
 115 61.6 49.4 74.0



#2
 1,4-Dioxane
 Concen: 2.288 ng
 RT: 3.197 min Scan# 30
 Delta R.T. -0.007 min
 Lab File: BN032156.D
 Acq: 22 Jun 2024 06:47



Tgt Ion: 88 Resp: 30562
 Ion Ratio Lower Upper
 88 100
 43 26.0 22.7 34.1
 58 63.0 51.3 76.9

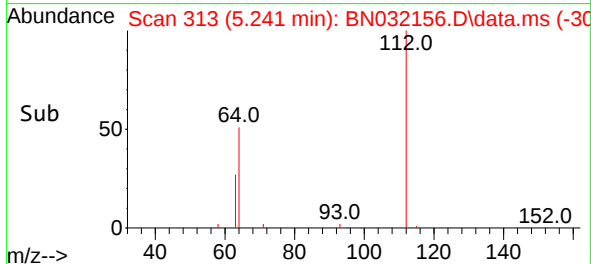
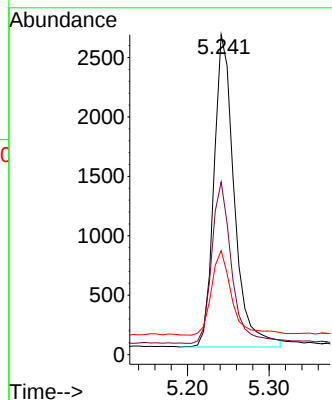
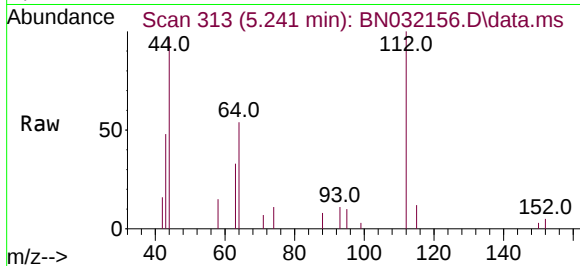




#4
2-Fluorophenol
Concen: 0.147 ng
RT: 5.241 min Scan# 317
Delta R.T. -0.007 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

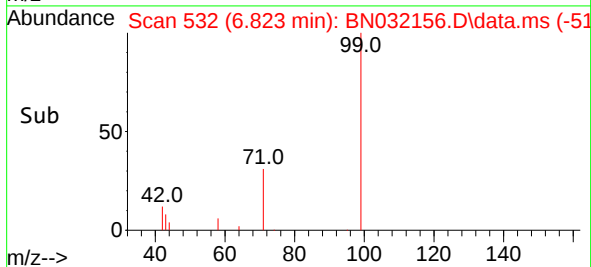
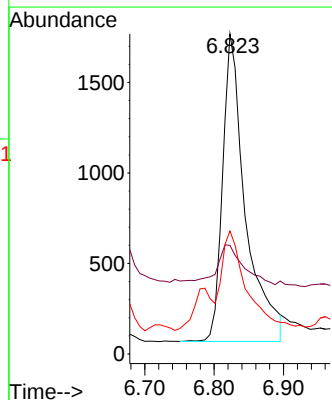
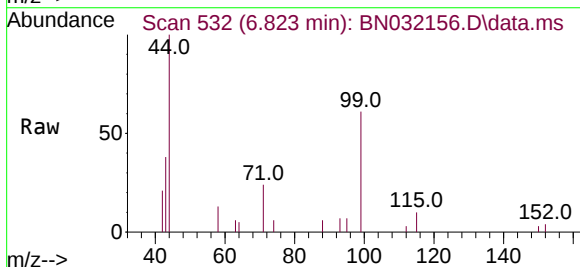
Instrument :
BNA_N
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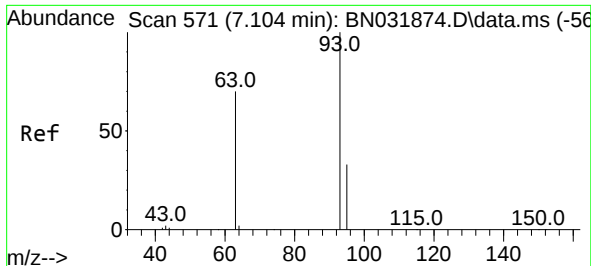
Tgt Ion:112 Resp: 4550
Ion Ratio Lower Upper
112 100
64 50.7 42.4 63.6
63 27.2 22.1 33.1



#5
Phenol-d6
Concen: 0.096 ng
RT: 6.823 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

Tgt Ion: 99 Resp: 3891
Ion Ratio Lower Upper
99 100
42 14.8 12.8 19.2
71 29.7 25.4 38.2

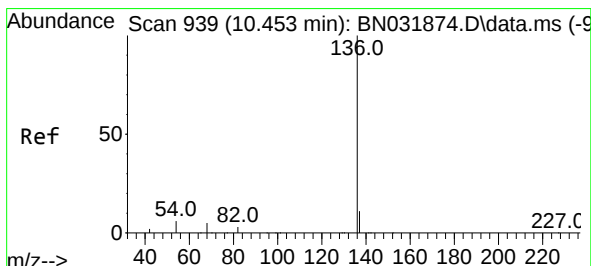
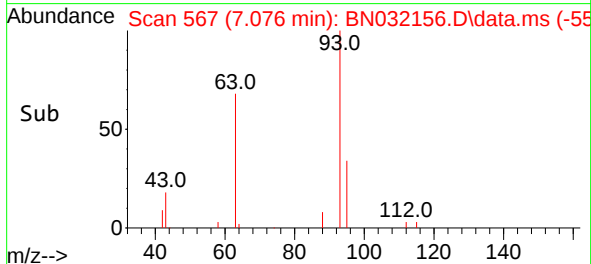
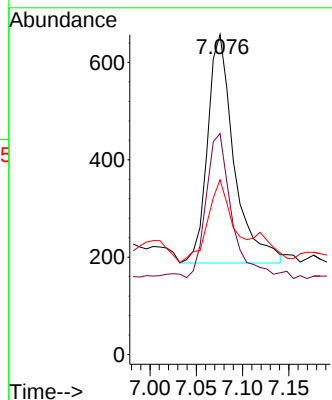
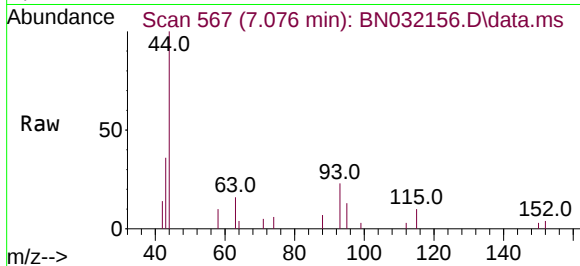




#6
bis(2-Chloroethyl)ether
Concen: 0.027 ng
RT: 7.076 min Scan# 50
Delta R.T. -0.007 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

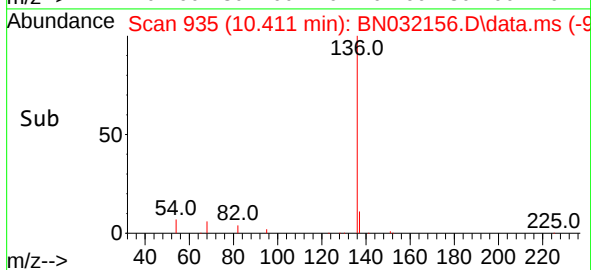
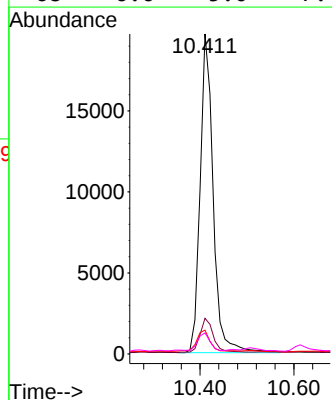
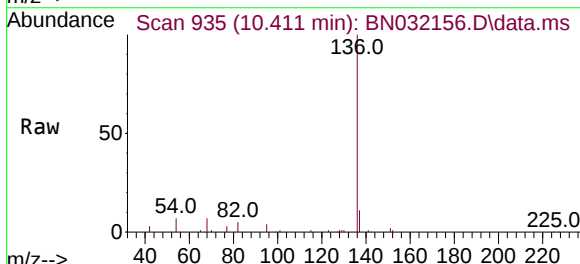
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480

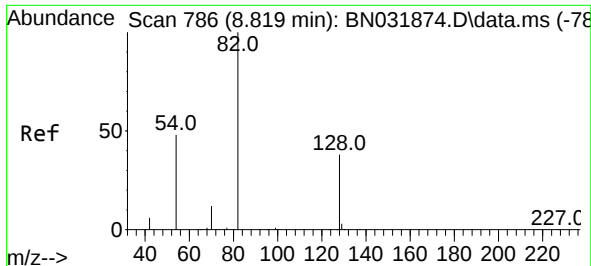
Tgt Ion: 93	Resp:	936	
Ion	Ratio	Lower	Upper
93	100		
63	60.3	56.2	84.2
95	33.9	26.4	39.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.411 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

Tgt	Ion:136	Resp:	37908
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.5	5.6	8.4
68	6.6	5.0	7.4

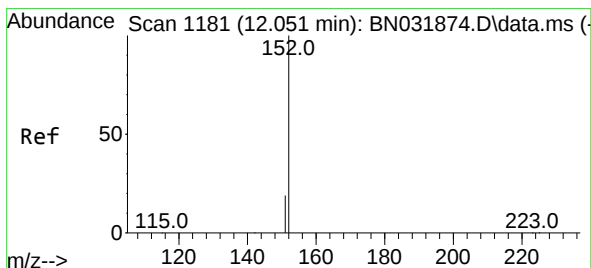
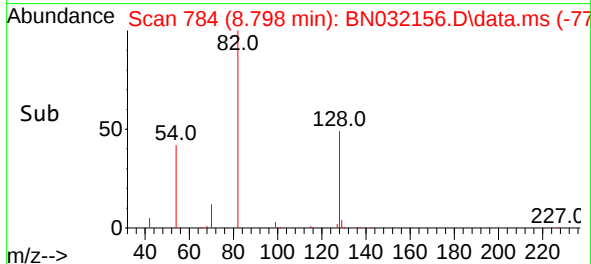
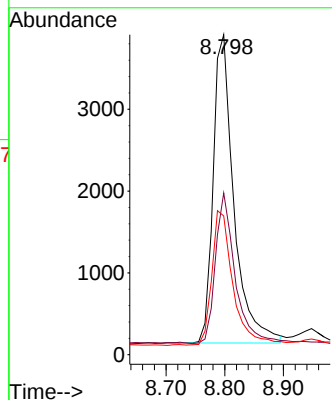
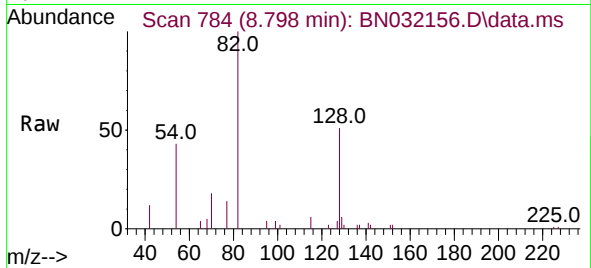




#8
Nitrobenzene-d5
Concen: 0.292 ng
RT: 8.798 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

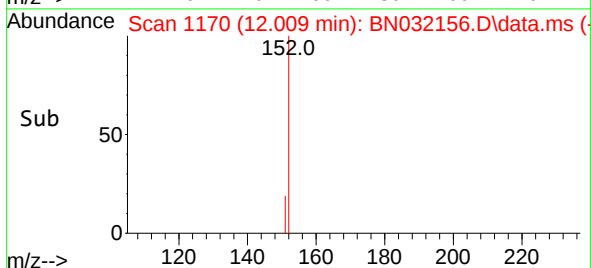
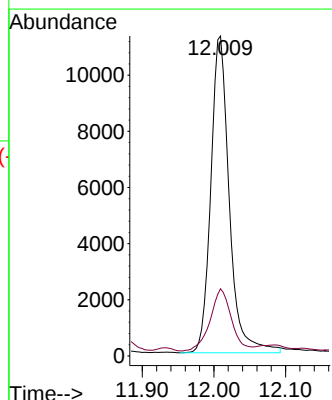
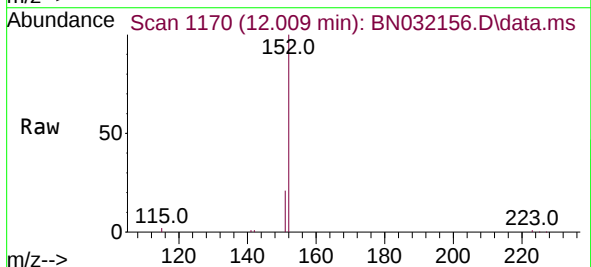
Instrument :
BNA_N
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BP-VPB-189-GW-478-480

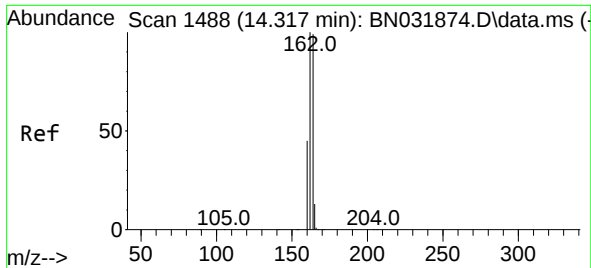
Tgt Ion: 82 Resp: 9206
Ion Ratio Lower Upper
82 100
128 50.6 32.1 48.1#
54 43.4 39.7 59.5



#11
2-Methylnaphthalene-d10
Concen: 0.335 ng
RT: 12.009 min Scan# 1170
Delta R.T. -0.011 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

Tgt Ion: 152 Resp: 20228
Ion Ratio Lower Upper
152 100
151 22.7 16.3 24.5

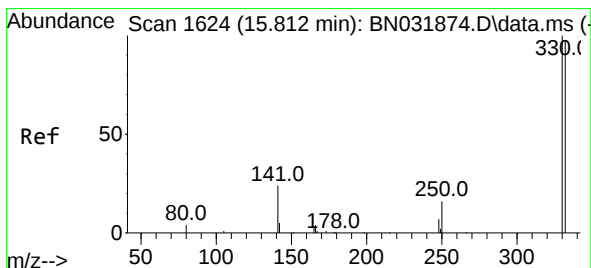
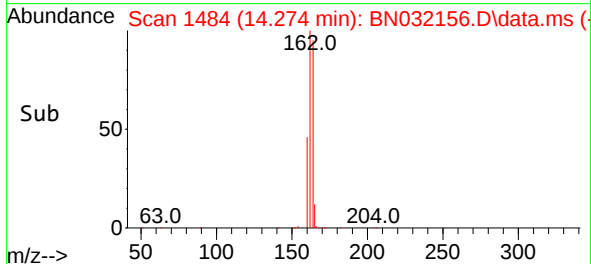
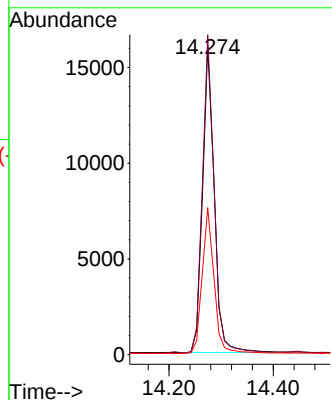
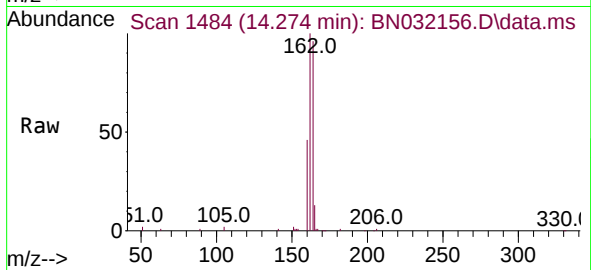




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.274 min Scan# 1488
Delta R.T. -0.011 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

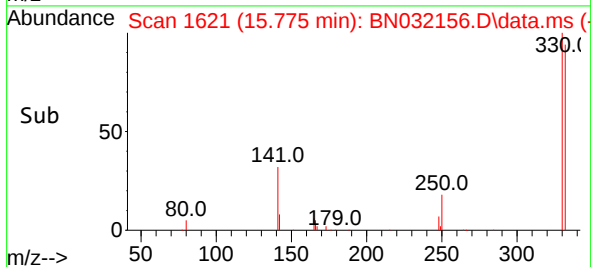
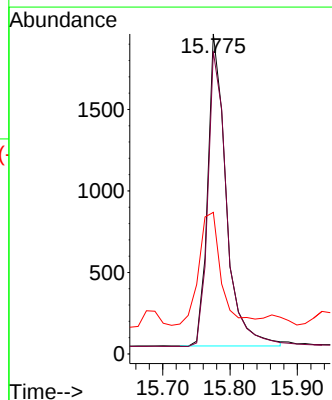
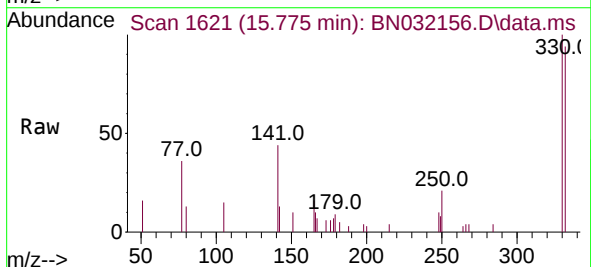
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480

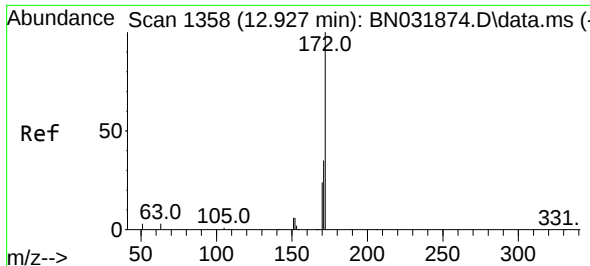
Tgt Ion:164 Resp: 25208
Ion Ratio Lower Upper
164 100
162 104.1 80.7 121.1
160 47.8 36.2 54.4



#14
2,4,6-Tribromophenol
Concen: 0.302 ng
RT: 15.775 min Scan# 1621
Delta R.T. -0.012 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

Tgt Ion:330 Resp: 3654
Ion Ratio Lower Upper
330 100
332 97.2 77.5 116.3
141 43.9 34.7 52.1

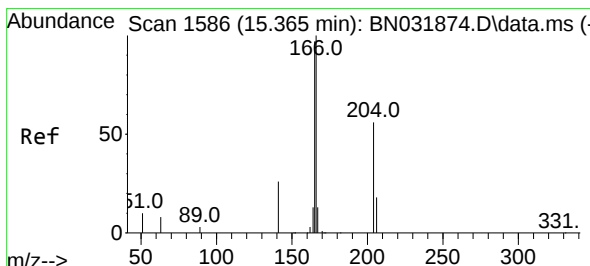
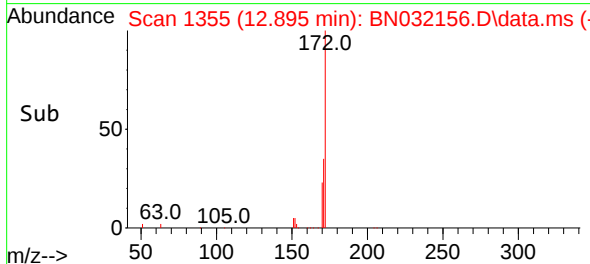
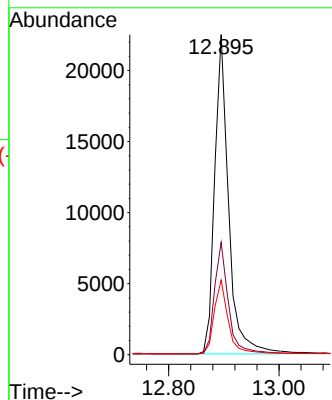
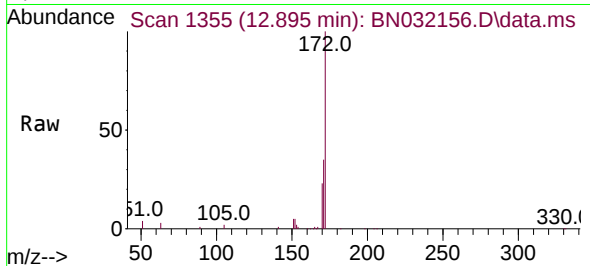




#15
2-Fluorobiphenyl
Concen: 0.411 ng
RT: 12.895 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

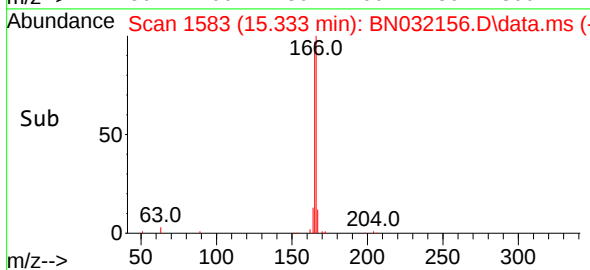
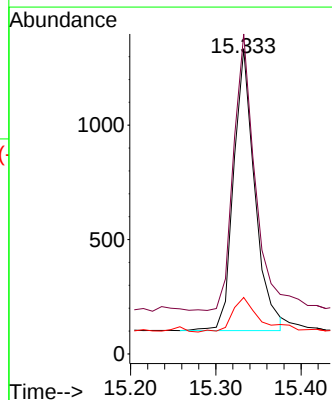
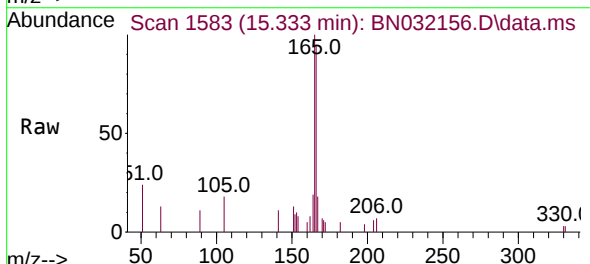
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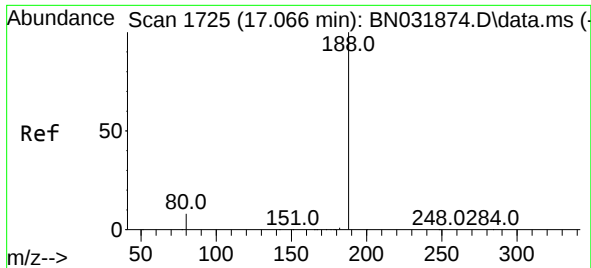
Tgt Ion:172 Resp: 39318
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.3 19.2 28.8



#18
Fluorene
Concen: 0.021 ng
RT: 15.333 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

Tgt Ion:166 Resp: 2128
Ion Ratio Lower Upper
166 100
165 97.7 78.3 117.5
167 13.8 10.7 16.1

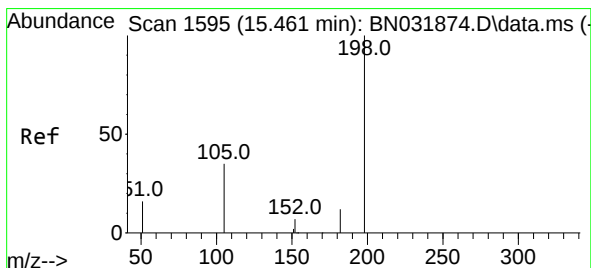
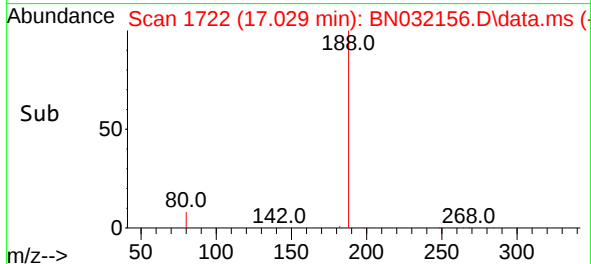
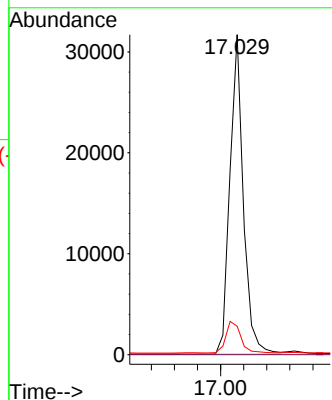
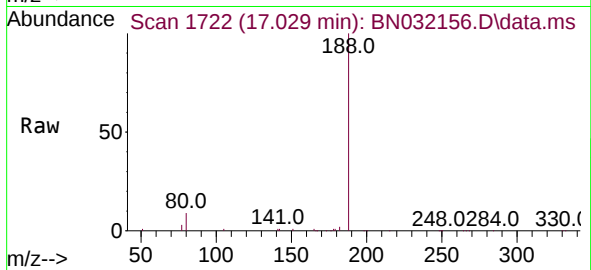




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.029 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

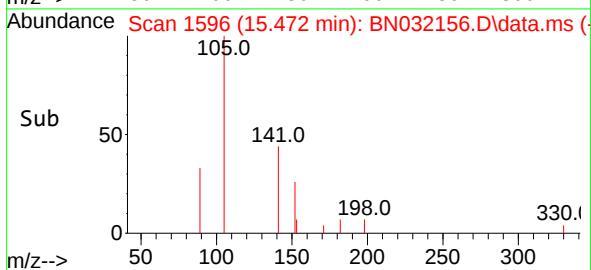
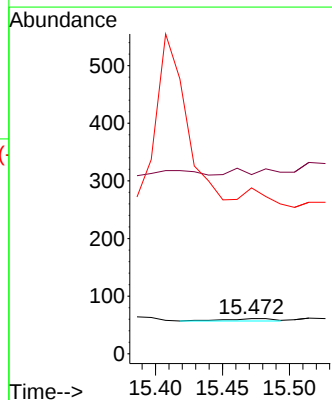
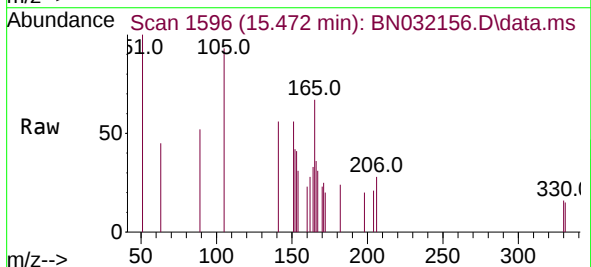
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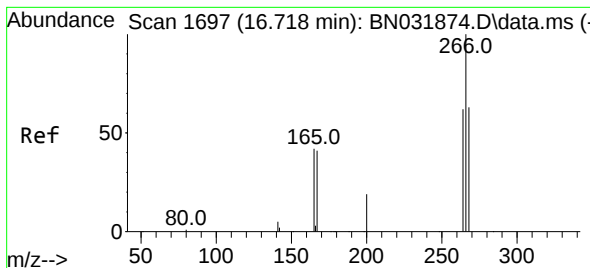
Tgt Ion:188 Resp: 51217
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.9 6.4 9.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.175 ng
RT: 15.472 min Scan# 1596
Delta R.T. 0.032 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

Tgt Ion:198 Resp: 10
Ion Ratio Lower Upper
198 100
51 509.8 42.7 64.1#
105 472.1 41.8 62.8#





#24

Pentachlorophenol

Concen: 0.174 ng

RT: 16.694 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN032156.D

Acq: 22 Jun 2024 06:47

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-478-480

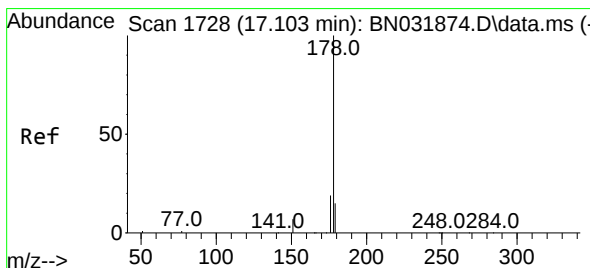
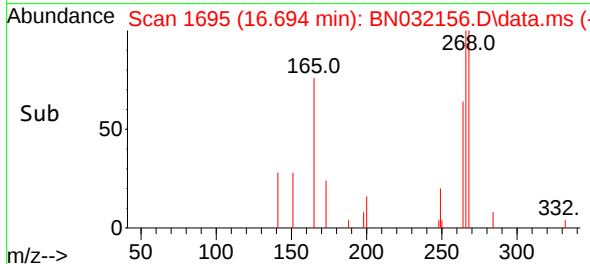
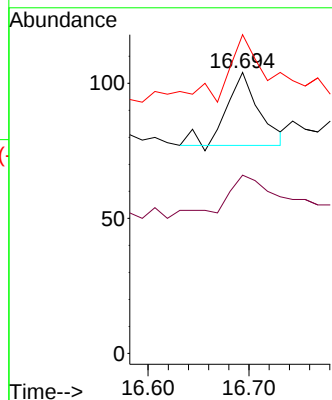
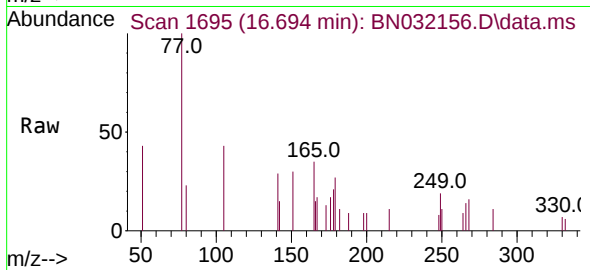
Tgt Ion:266 Resp: 61

Ion Ratio Lower Upper

266 100

264 113.1 50.0 75.0#

268 90.2 51.0 76.6#



#25

Phenanthrene

Concen: 0.037 ng

RT: 17.066 min Scan# 1725

Delta R.T. -0.012 min

Lab File: BN032156.D

Acq: 22 Jun 2024 06:47

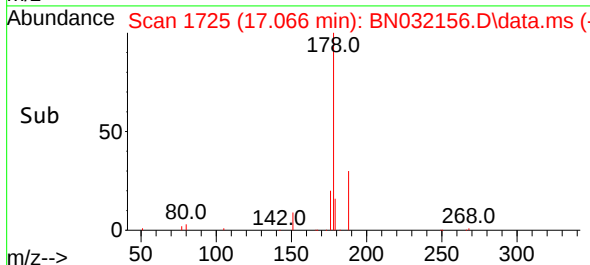
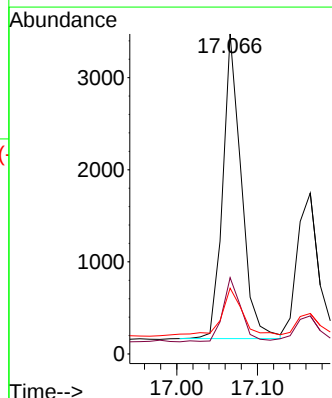
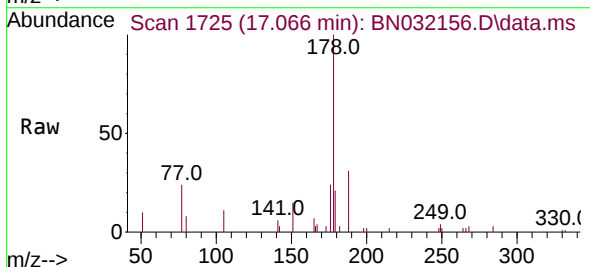
Tgt Ion:178 Resp: 5270

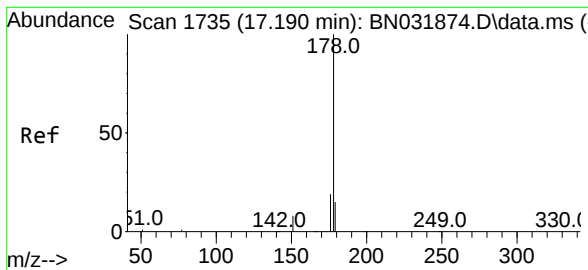
Ion Ratio Lower Upper

178 100

176 20.6 15.4 23.0

179 15.8 12.2 18.2

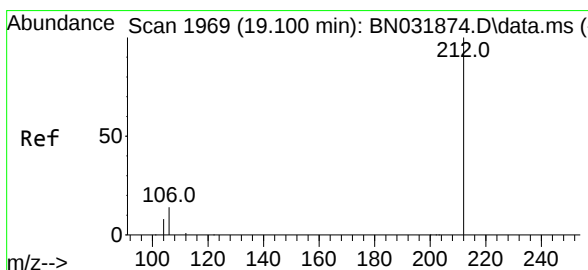
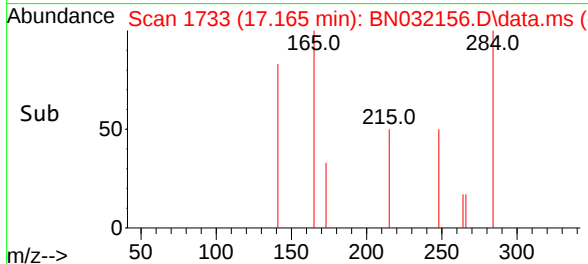
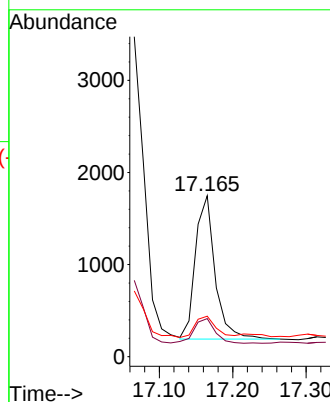
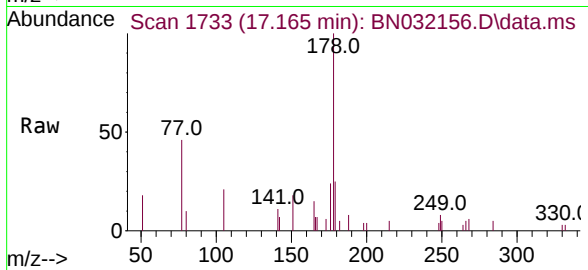




#26
 Anthracene
 Concen: 0.022 ng
 RT: 17.165 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN032156.D
 Acq: 22 Jun 2024 06:47

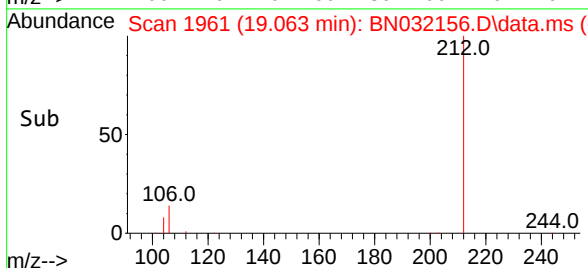
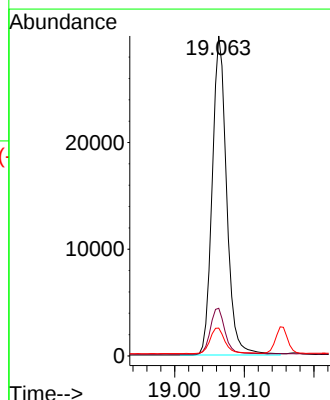
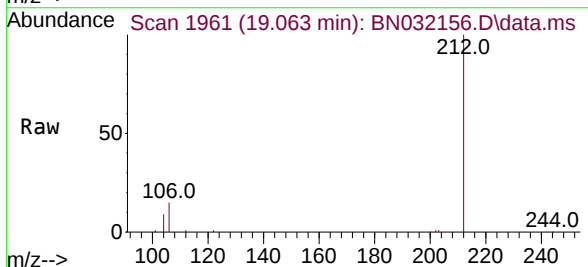
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-189-GW-478-480

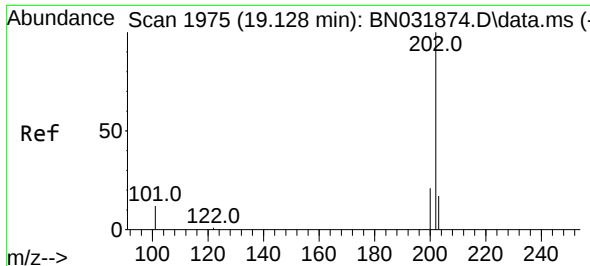
Tgt Ion:	178	Resp:	2898
Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.5	12.2	18.2



#27
 Fluoranthene-d10
 Concen: 0.309 ng
 RT: 19.063 min Scan# 1961
 Delta R.T. -0.009 min
 Lab File: BN032156.D
 Acq: 22 Jun 2024 06:47

Tgt Ion:	212	Resp:	43046
Ion	Ratio	Lower	Upper
212	100		
106	14.8	11.8	17.8
104	8.5	6.6	10.0

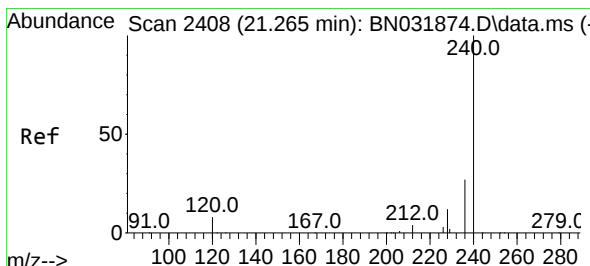
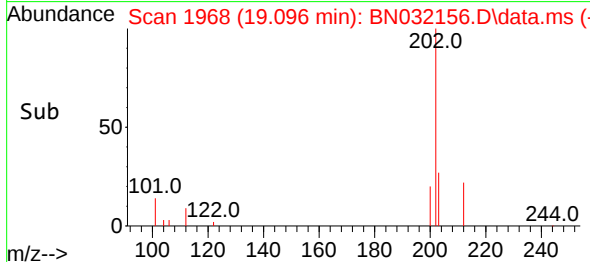
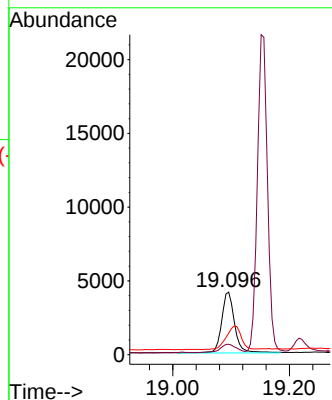
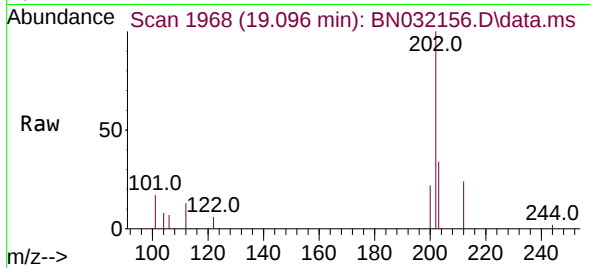




#28
Fluoranthene
Concen: 0.036 ng
RT: 19.096 min Scan# 1968
Delta R.T. -0.005 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

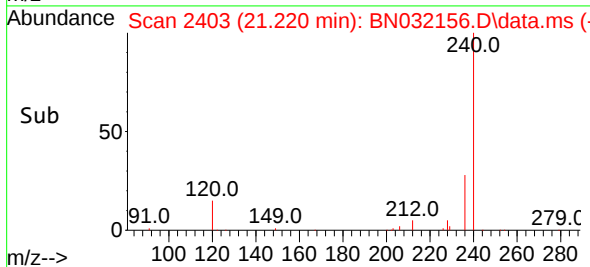
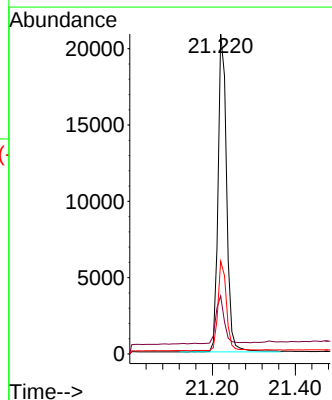
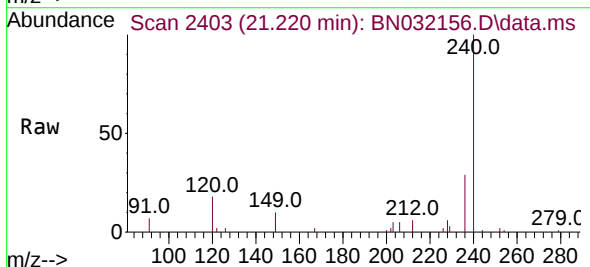
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480

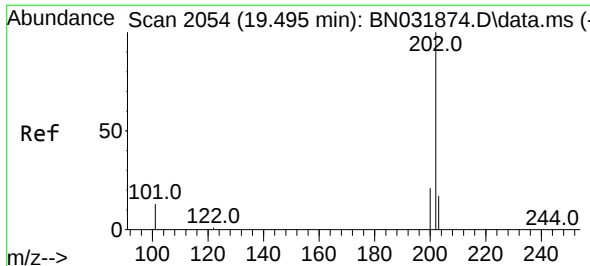
Tgt Ion:202 Resp: 6284
Ion Ratio Lower Upper
202 100
101 17.7 9.8 14.6#
203 44.9 13.7 20.5#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.220 min Scan# 2403
Delta R.T. -0.009 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

Tgt Ion:240 Resp: 29773
Ion Ratio Lower Upper
240 100
120 18.2 8.2 12.4#
236 29.0 21.8 32.8

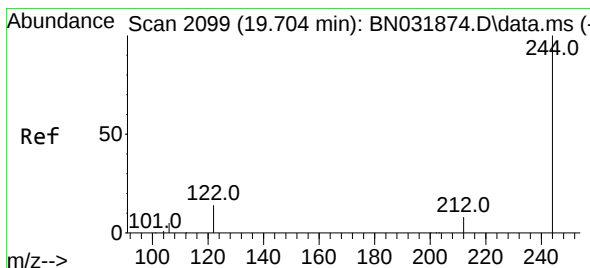
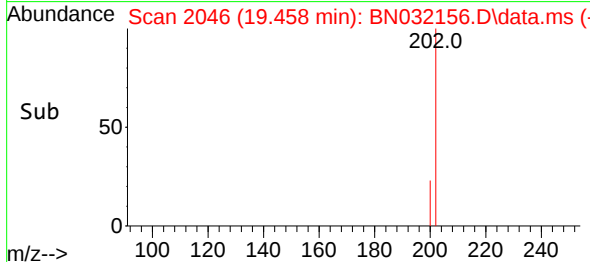
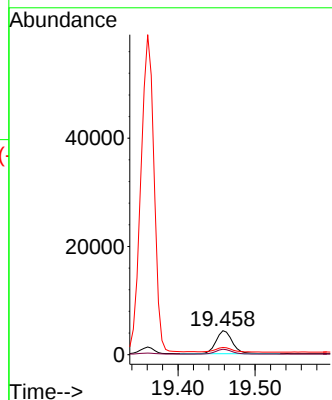
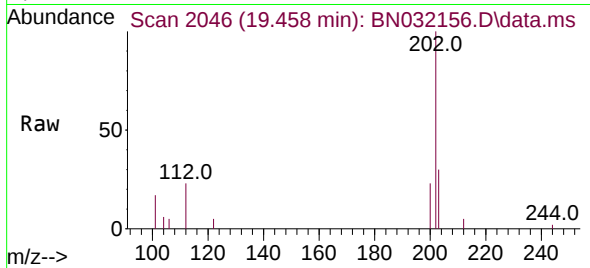




#30
Pyrene
Concen: 0.053 ng
RT: 19.458 min Scan# 2046
Delta R.T. -0.009 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

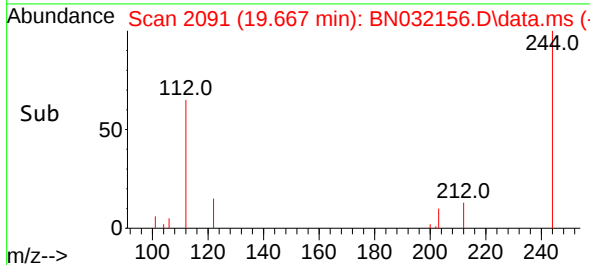
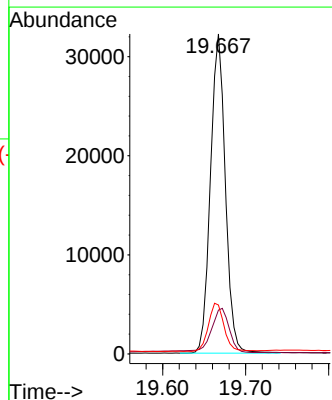
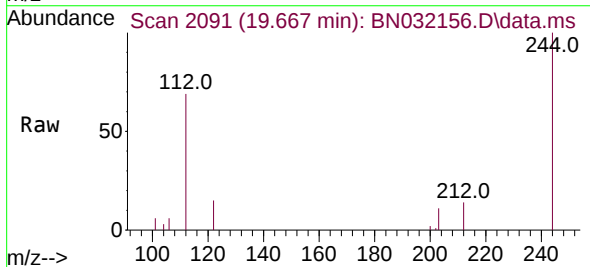
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480

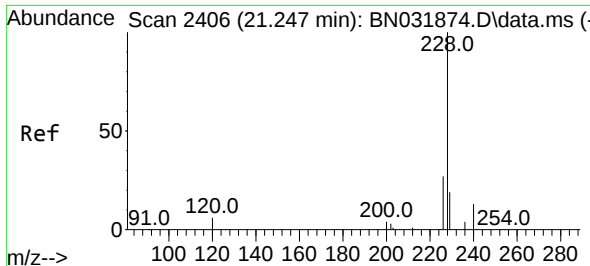
Tgt Ion:202 Resp: 6259
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 0.0 14.3 21.5#



#31
Terphenyl-d14
Concen: 0.553 ng
RT: 19.667 min Scan# 2091
Delta R.T. -0.005 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

Tgt Ion:244 Resp: 40258
Ion Ratio Lower Upper
244 100
212 13.7 6.5 9.7#
122 15.3 11.4 17.0

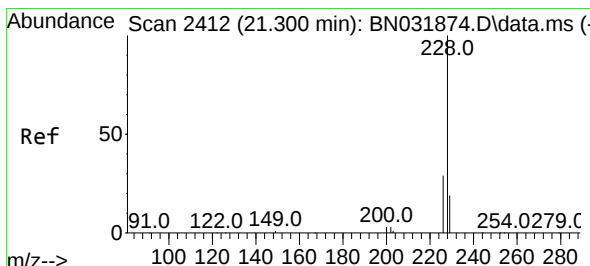
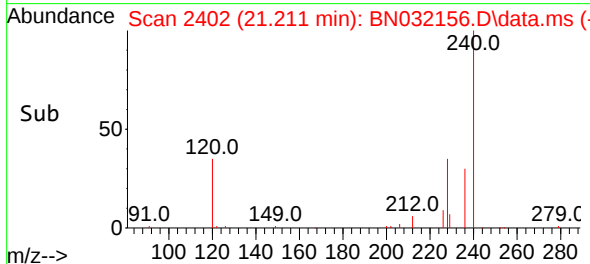
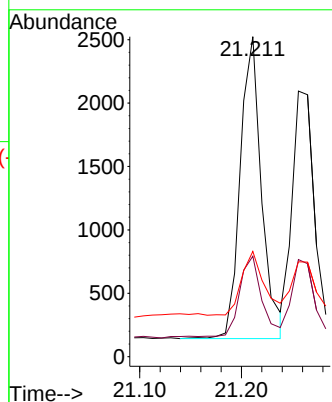
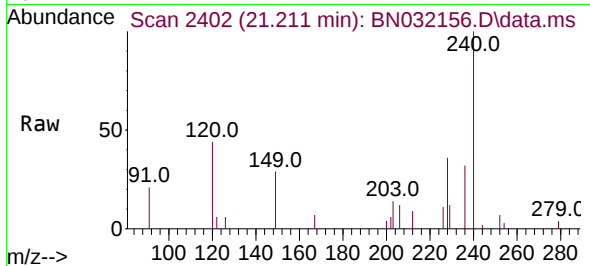




#32
Benzo(a)anthracene
Concen: 0.031 ng
RT: 21.211 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

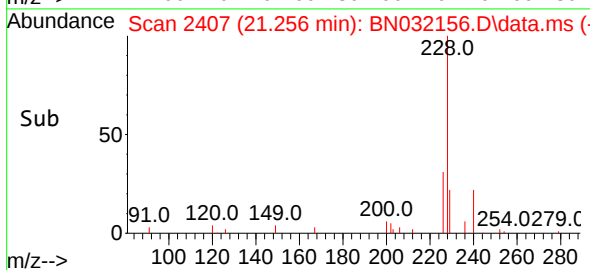
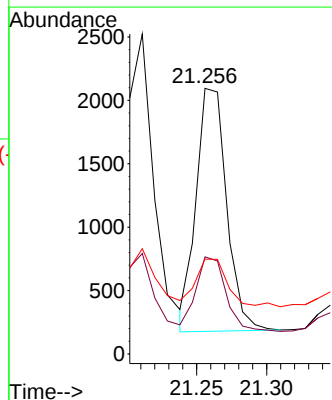
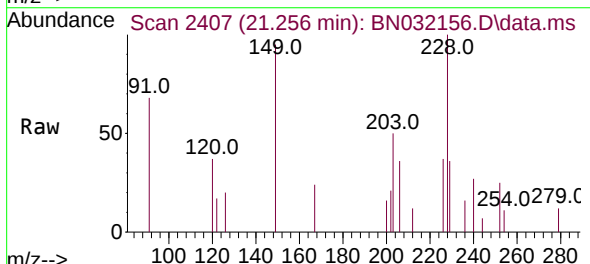
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480

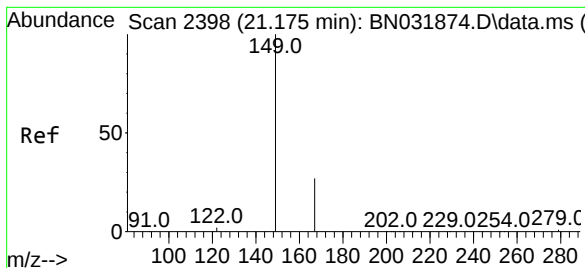
Tgt Ion:228 Resp: 3468
Ion Ratio Lower Upper
228 100
226 31.4 21.8 32.6
229 32.9 15.8 23.8#



#33
Chrysene
Concen: 0.027 ng
RT: 21.256 min Scan# 2407
Delta R.T. -0.009 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

Tgt Ion:228 Resp: 2906
Ion Ratio Lower Upper
228 100
226 36.6 23.6 35.4#
229 35.7 15.8 23.6#





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.116 ng

RT: 21.130 min Scan# 21

Delta R.T. -0.018 min

Lab File: BN032156.D

Acq: 22 Jun 2024 06:47

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-478-480

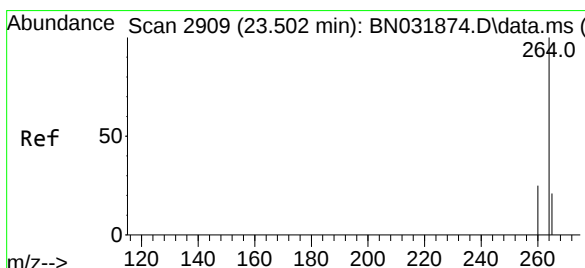
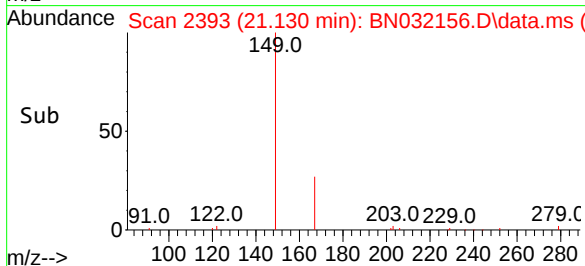
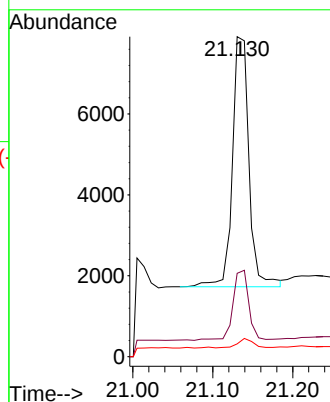
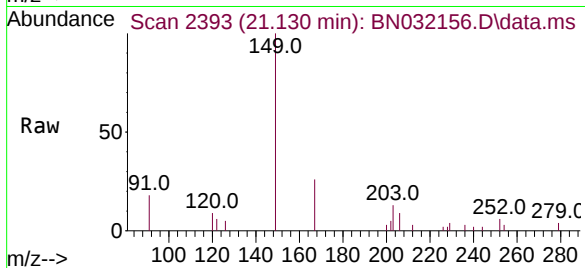
Tgt Ion:149 Resp: 8880

Ion Ratio Lower Upper

149 100

167 26.4 22.5 33.7

279 3.5 2.9 4.3



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.443 min Scan# 2889

Delta R.T. -0.009 min

Lab File: BN032156.D

Acq: 22 Jun 2024 06:47

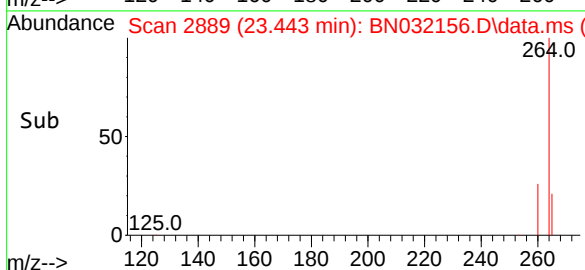
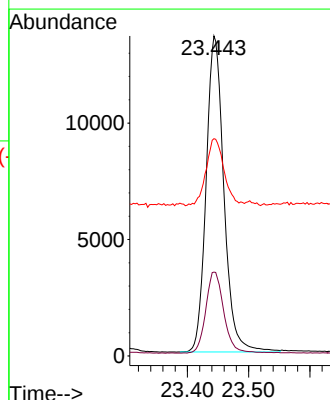
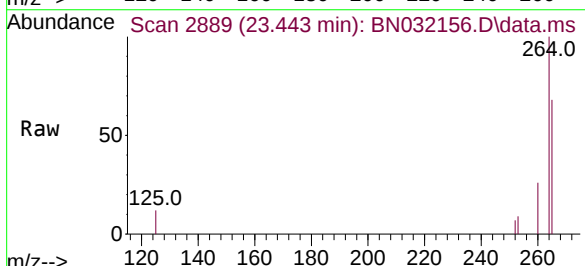
Tgt Ion:264 Resp: 27374

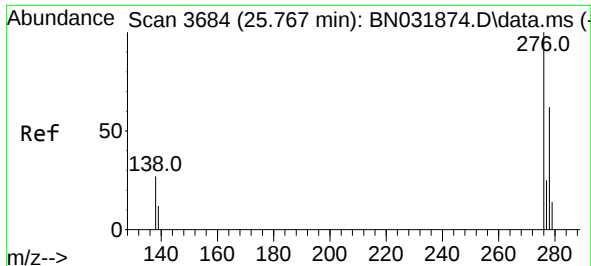
Ion Ratio Lower Upper

264 100

260 26.2 20.5 30.7

265 67.9 39.6 59.4#

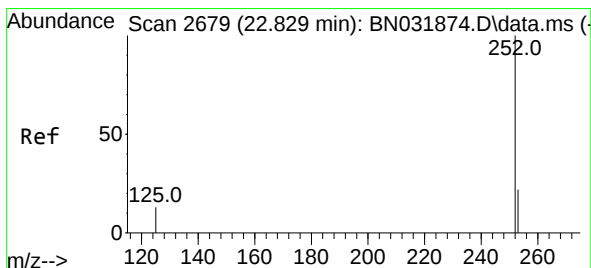
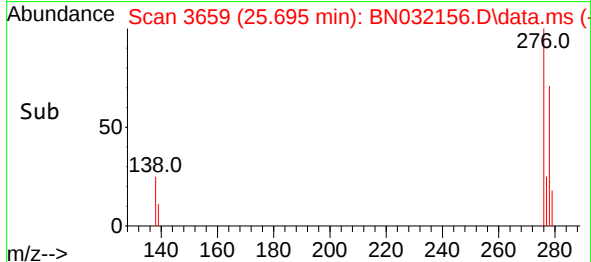
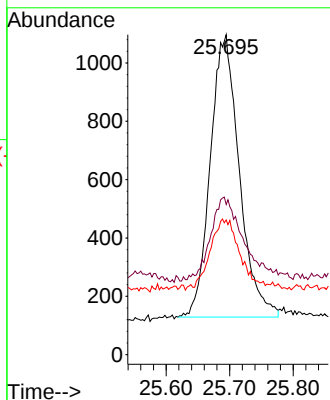
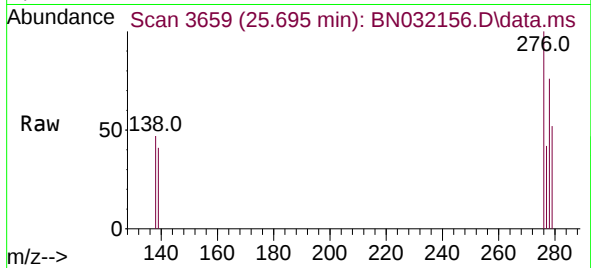




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.030 ng
RT: 25.695 min Scan# 3071
Delta R.T. 0.000 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

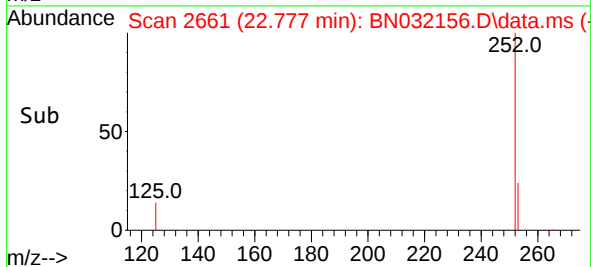
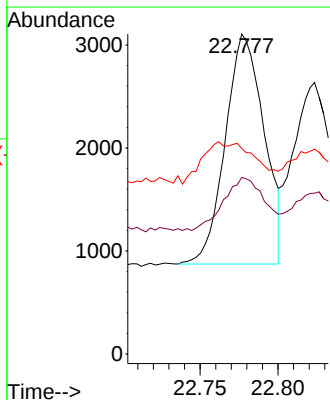
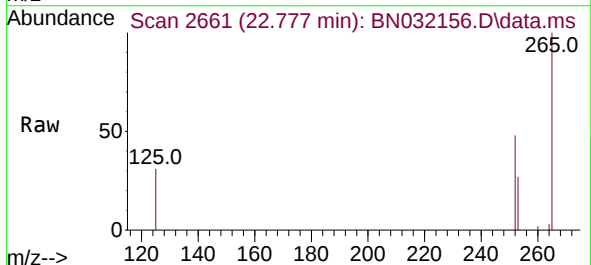
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480

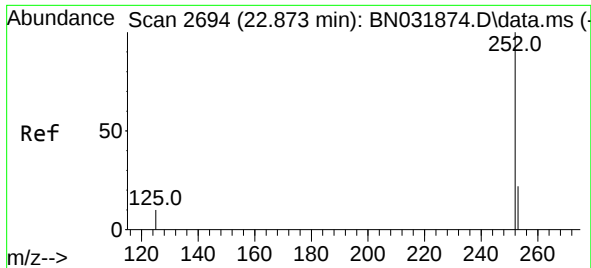
Tgt Ion:276 Resp: 3071
Ion Ratio Lower Upper
276 100
138 30.5 21.5 32.3
277 24.4 19.8 29.8



#37
Benzo(b)fluoranthene
Concen: 0.039 ng
RT: 22.777 min Scan# 2661
Delta R.T. -0.009 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

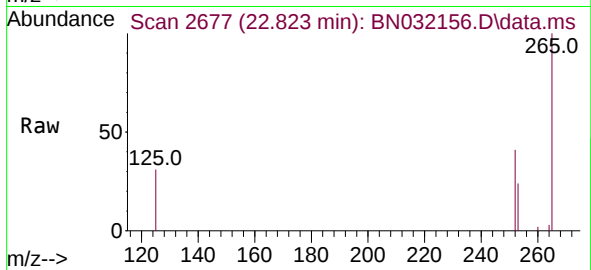
Tgt Ion:252 Resp: 3858
Ion Ratio Lower Upper
252 100
253 55.2 20.2 30.2#
125 64.2 14.2 21.4#



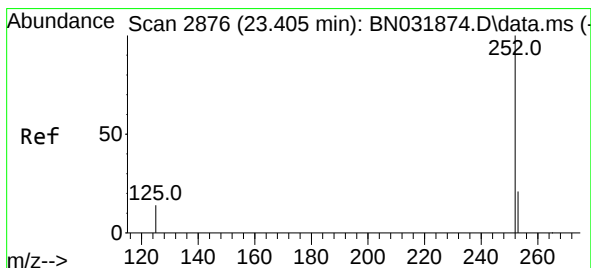
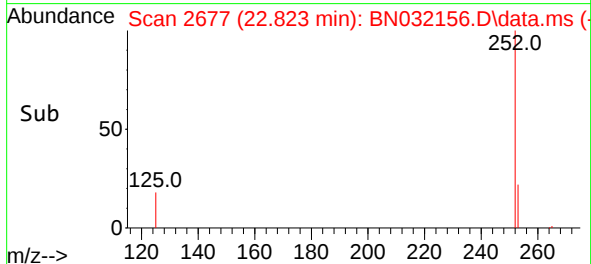
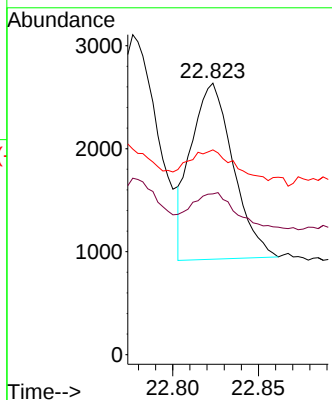


#38
Benzo(k)fluoranthene
Concen: 0.031 ng
RT: 22.823 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480

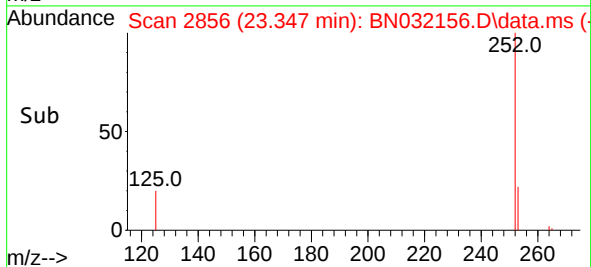
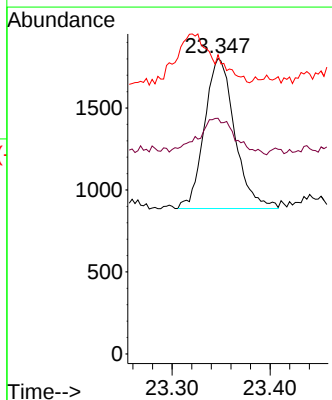
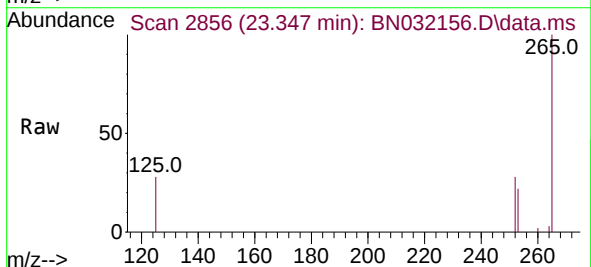


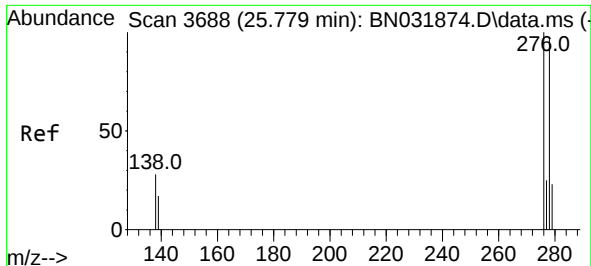
Tgt Ion:252 Resp: 2917
Ion Ratio Lower Upper
252 100
253 59.3 19.9 29.9#
125 75.4 13.0 19.4#



#39
Benzo(a)pyrene
Concen: 0.023 ng
RT: 23.347 min Scan# 2856
Delta R.T. -0.012 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

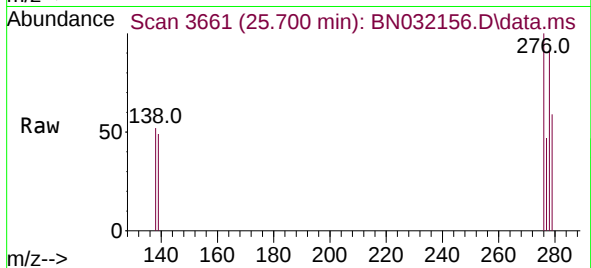
Tgt Ion:252 Resp: 1971
Ion Ratio Lower Upper
252 100
253 79.8 20.5 30.7#
125 101.2 16.4 24.6#



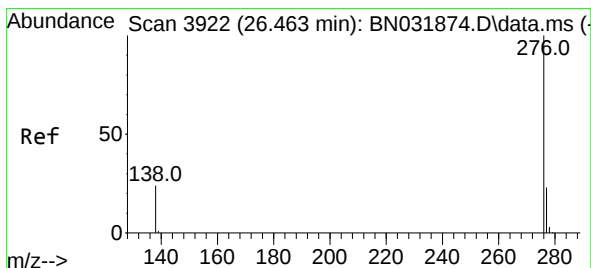
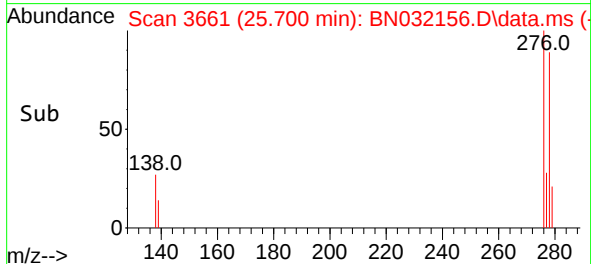
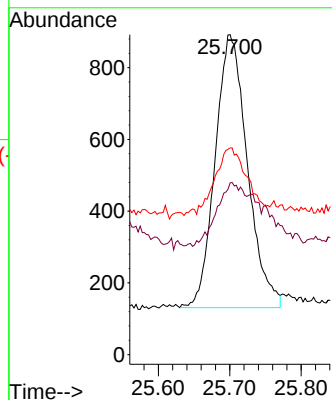


#40
Dibenzo(a,h)anthracene
Concen: 0.030 ng
RT: 25.700 min Scan# 3661
Delta R.T. -0.006 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-478-480



Tgt Ion:278 Resp: 2383
Ion Ratio Lower Upper
278 100
139 53.7 17.0 25.4#
279 64.6 21.4 32.0#



#41
Benzo(g,h,i)perylene
Concen: 0.026 ng
RT: 26.376 min Scan# 3892
Delta R.T. -0.003 min
Lab File: BN032156.D
Acq: 22 Jun 2024 06:47

Tgt Ion:276 Resp: 2226
Ion Ratio Lower Upper
276 100
277 48.3 20.2 30.2#
138 52.6 20.6 31.0#

