

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062124\
 Data File : BN032157.D
 Acq On : 22 Jun 2024 07:23
 Operator : MA/JU
 Sample : P2927-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-189-GW-520-522

Quant Time: Jun 22 08:10:47 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)

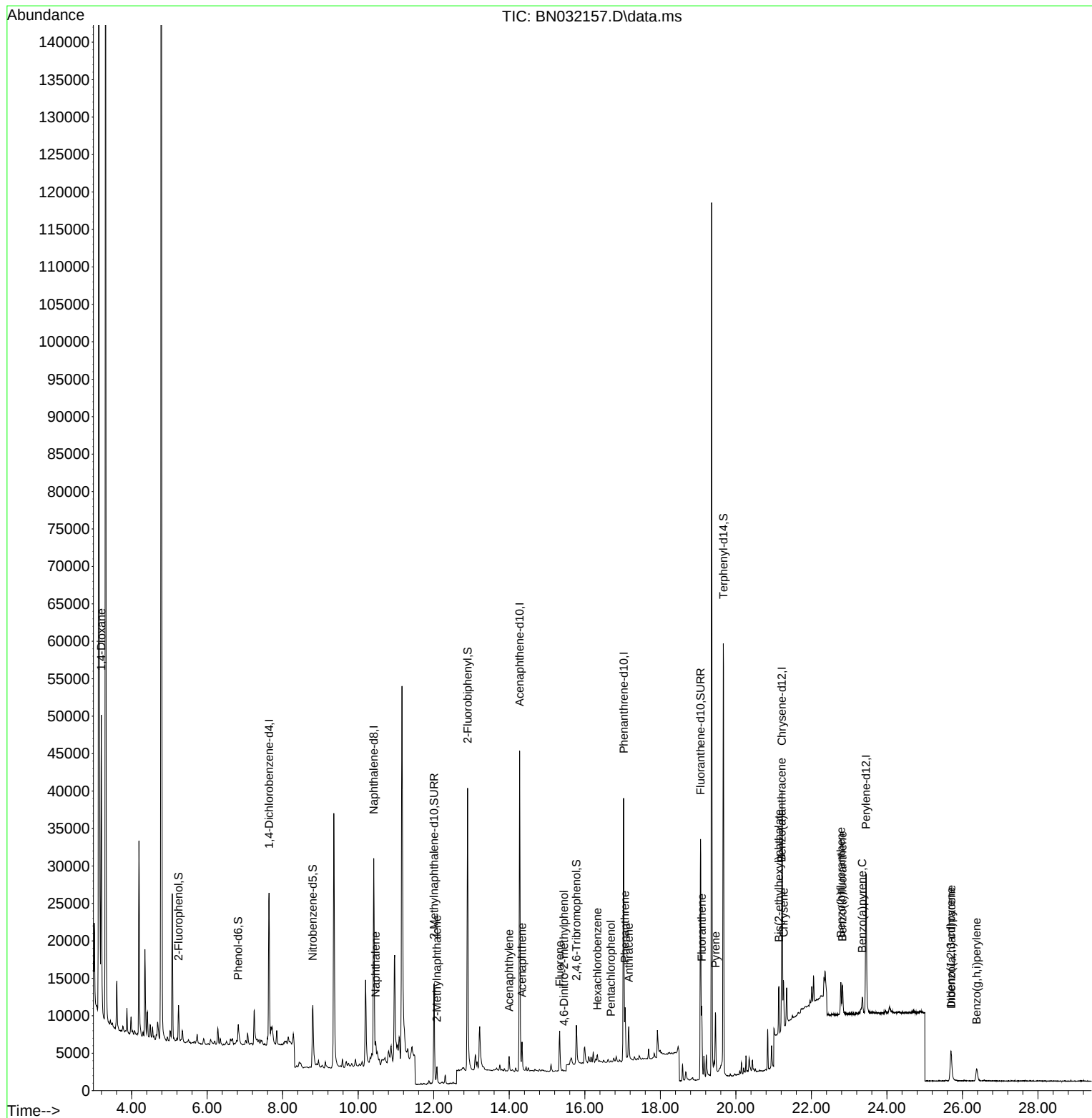
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.639	152	11230	0.400	ng	0.00
7) Naphthalene-d8	10.410	136	38838	0.400	ng	-0.01
13) Acenaphthene-d10	14.274	164	25226	0.400	ng	-0.01
19) Phenanthrene-d10	17.029	188	50709	0.400	ng	0.00
29) Chrysene-d12	21.220	240	28383	0.400	ng	# 0.00
35) Perylene-d12	23.446	264	26341	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.241	112	4498	0.141	ng	0.00
5) Phenol-d6	6.823	99	3696	0.088	ng	0.00
8) Nitrobenzene-d5	8.798	82	9434	0.292	ng	0.00
11) 2-Methylnaphthalene-d10	12.009	152	20544	0.332	ng	-0.01
14) 2,4,6-Tribromophenol	15.775	330	3575	0.296	ng	-0.01
15) 2-Fluorobiphenyl	12.895	172	38026	0.397	ng	-0.01
27) Fluoranthene-d10	19.063	212	38346	0.278	ng	0.00
31) Terphenyl-d14	19.667	244	38242	0.551	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.197	88	25686	1.868	ng	98
9) Naphthalene	10.464	128	2186	0.021	ng	# 81
12) 2-Methylnaphthalene	12.085	142	1580	0.022	ng	# 91
16) Acenaphthylene	13.996	152	2338	0.020	ng	98
17) Acenaphthene	14.338	154	1797	0.024	ng	99
18) Fluorene	15.333	166	3305	0.033	ng	98
20) 4,6-Dinitro-2-methylph...	15.450	198	13	0.176	ng	# 1
22) Hexachlorobenzene	16.334	284	646	0.022	ng	91
24) Pentachlorophenol	16.694	266	190	0.180	ng	93
25) Phenanthrene	17.066	178	6836	0.049	ng	98
26) Anthracene	17.165	178	5824	0.045	ng	99
28) Fluoranthene	19.096	202	7541	0.044	ng	# 71
30) Pyrene	19.458	202	7551	0.067	ng	# 92
32) Benzo(a)anthracene	21.211	228	5538	0.052	ng	95
33) Chrysene	21.265	228	5545	0.055	ng	95
34) Bis(2-ethylhexyl)phtha...	21.139	149	6925	0.095	ng	96
36) Indeno(1,2,3-cd)pyrene	25.691	276	5076	0.052	ng	96
37) Benzo(b)fluoranthene	22.779	252	5435	0.057	ng	# 48
38) Benzo(k)fluoranthene	22.823	252	5048	0.056	ng	# 40
39) Benzo(a)pyrene	23.347	252	3231	0.039	ng	# 7
40) Dibenzo(a,h)anthracene	25.703	278	3874	0.050	ng	# 59
41) Benzo(g,h,i)perylene	26.376	276	3811	0.046	ng	# 71

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062124\
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Sample : P2927-06
Misc :
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Instrument :
BNA_N
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BP-VPB-189-GW-520-522

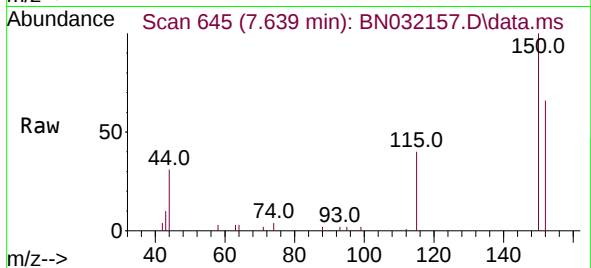
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 19 11:30:34 2024
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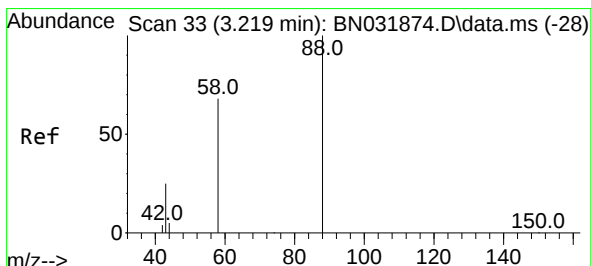
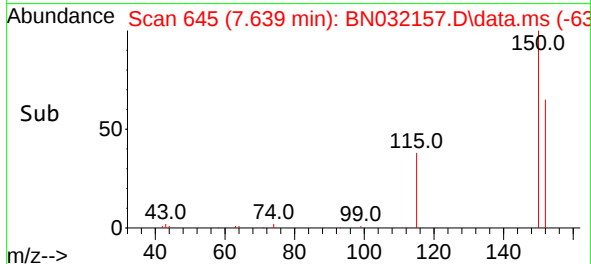
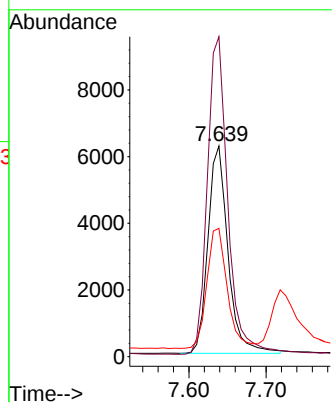


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.639 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN032157.D
 Acq: 22 Jun 2024 07:23

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-189-GW-520-522

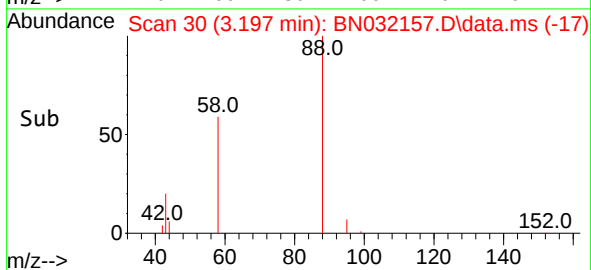
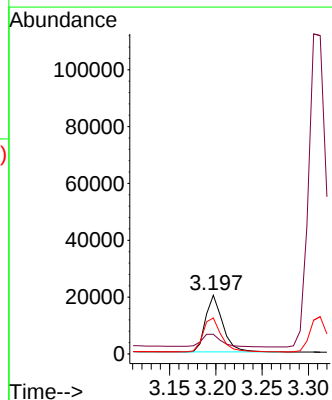
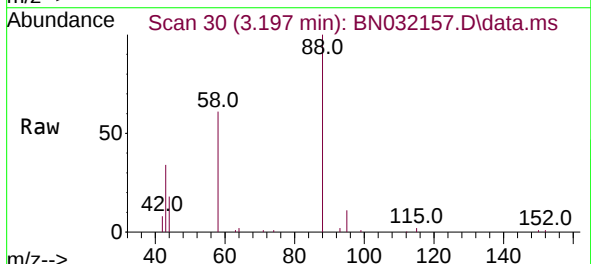


Tgt Ion:152 Resp: 11230
 Ion Ratio Lower Upper
 152 100
 150 151.8 121.0 181.4
 115 60.9 49.4 74.0



#2
 1,4-Dioxane
 Concen: 1.868 ng
 RT: 3.197 min Scan# 30
 Delta R.T. -0.007 min
 Lab File: BN032157.D
 Acq: 22 Jun 2024 07:23

Tgt Ion: 88 Resp: 25686
 Ion Ratio Lower Upper
 88 100
 43 26.0 22.7 34.1
 58 62.8 51.3 76.9

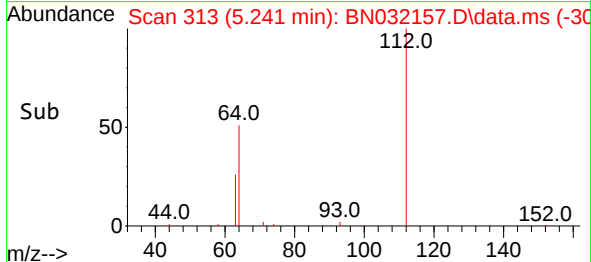
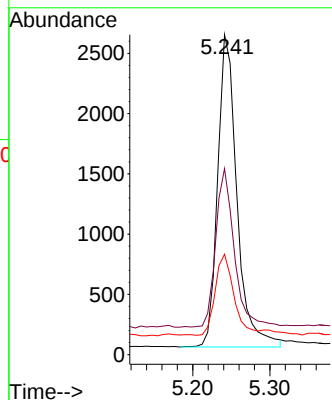
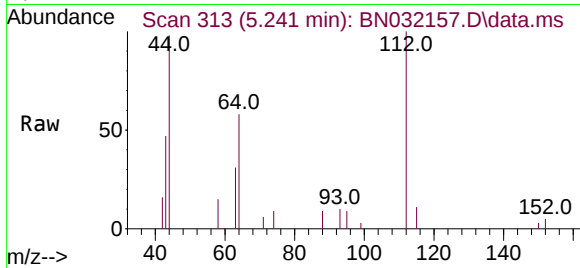




#4
2-Fluorophenol
Concen: 0.141 ng
RT: 5.241 min Scan# 317
Delta R.T. -0.007 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

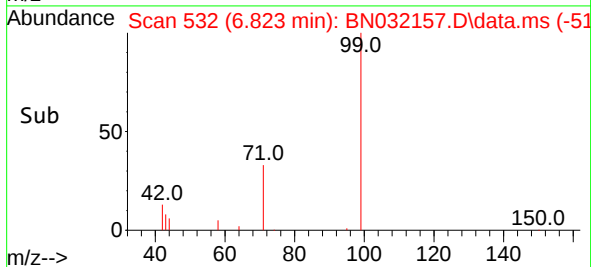
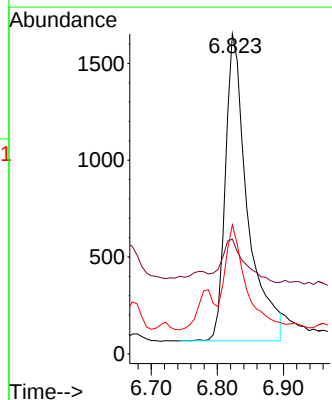
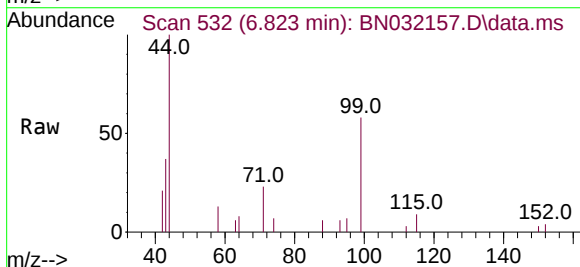
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Tgt Ion:112 Resp: 4498
Ion Ratio Lower Upper
112 100
64 49.0 42.4 63.6
63 26.6 22.1 33.1



#5
Phenol-d6
Concen: 0.088 ng
RT: 6.823 min Scan# 532
Delta R.T. -0.007 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

Tgt Ion: 99 Resp: 3696
Ion Ratio Lower Upper
99 100
42 14.4 12.8 19.2
71 27.8 25.4 38.2

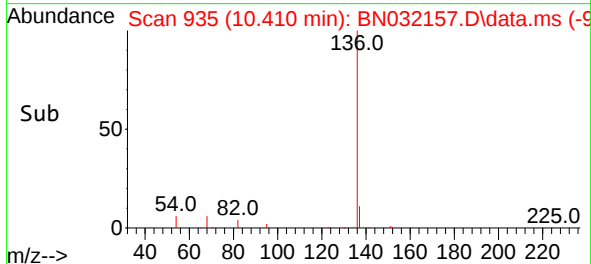
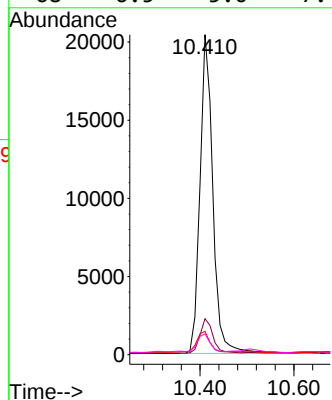
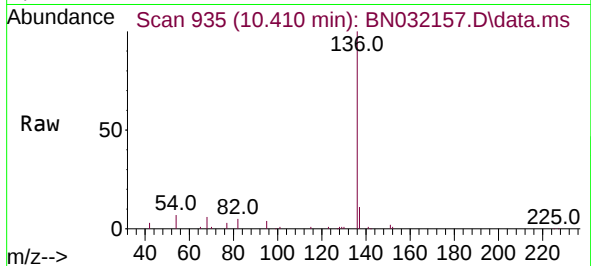




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.410 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

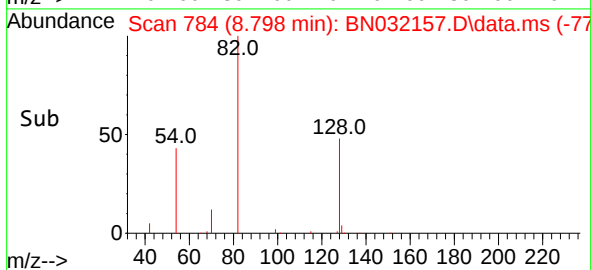
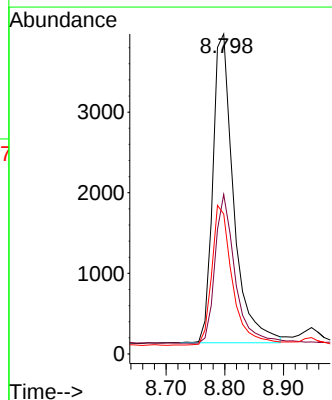
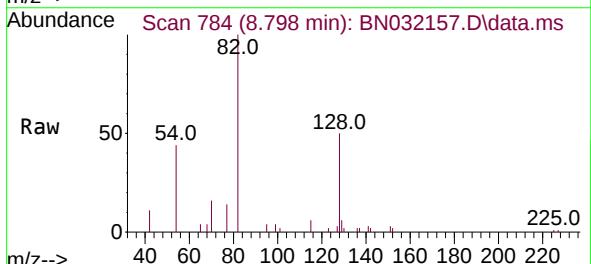
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-520-522

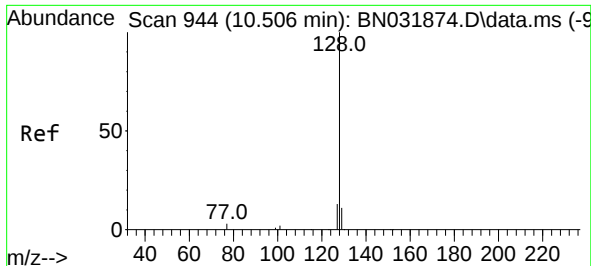
Tgt Ion:	136	Resp:	38838
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	7.3	5.6	8.4
68	6.5	5.0	7.4



#8
Nitrobenzene-d5
Concen: 0.292 ng
RT: 8.798 min Scan# 784
Delta R.T. 0.000 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

Tgt Ion:	82	Resp:	9434
Ion Ratio	Lower	Upper	
82	100		
128	49.9	32.1	48.1
54	43.7	39.7	59.5

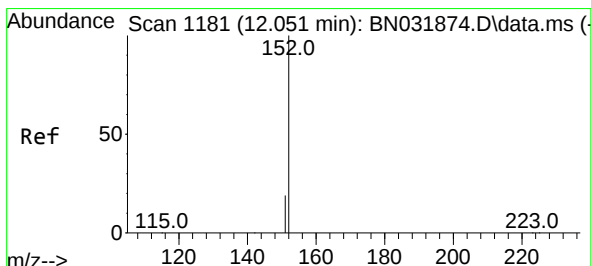
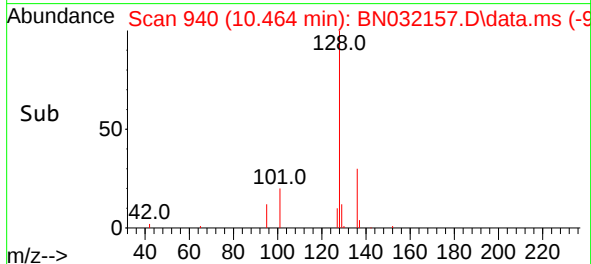
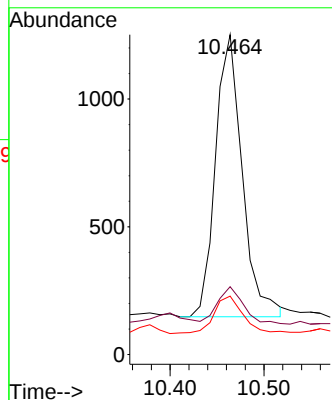
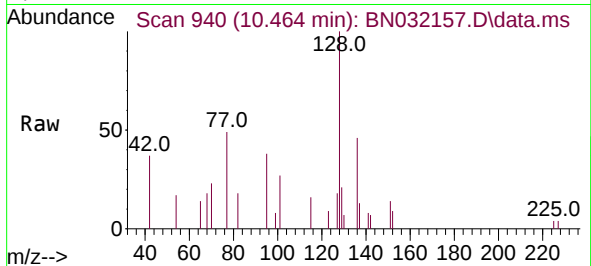




#9
Naphthalene
Concen: 0.021 ng
RT: 10.464 min Scan# 944
Delta R.T. -0.011 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

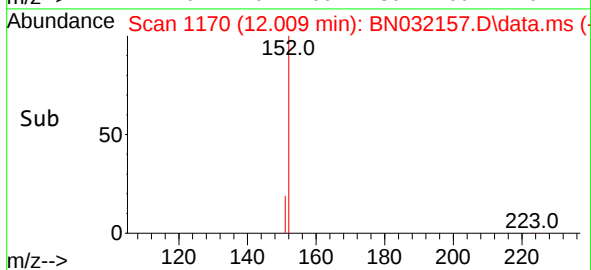
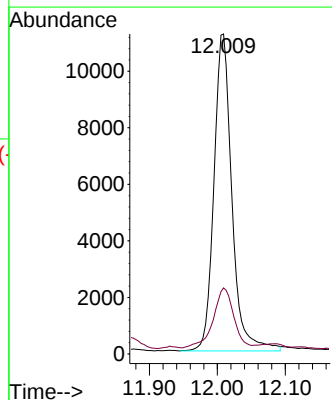
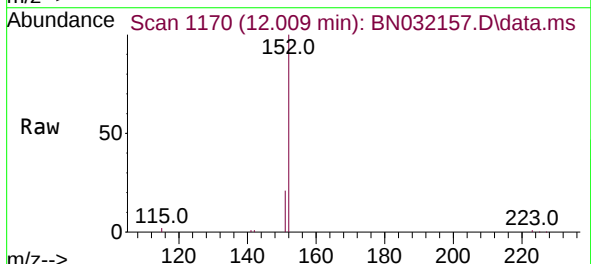
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-520-522

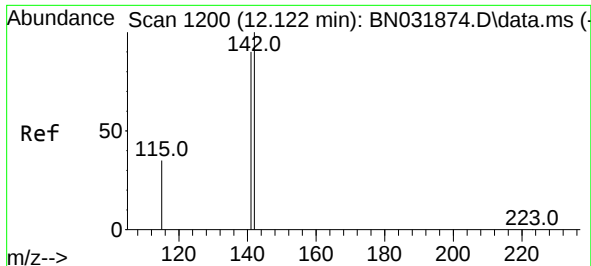
Tgt Ion:128 Resp: 2186
Ion Ratio Lower Upper
128 100
129 21.2 9.2 13.8#
127 18.3 10.5 15.7#



#11
2-Methylnaphthalene-d10
Concen: 0.332 ng
RT: 12.009 min Scan# 1170
Delta R.T. -0.011 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

Tgt Ion:152 Resp: 20544
Ion Ratio Lower Upper
152 100
151 21.5 16.3 24.5

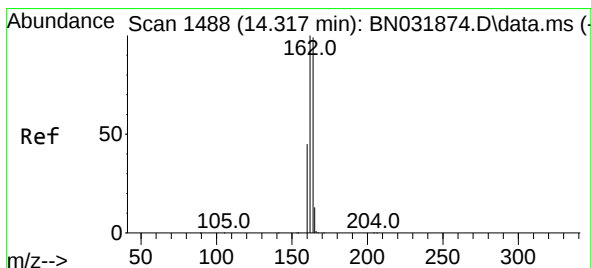
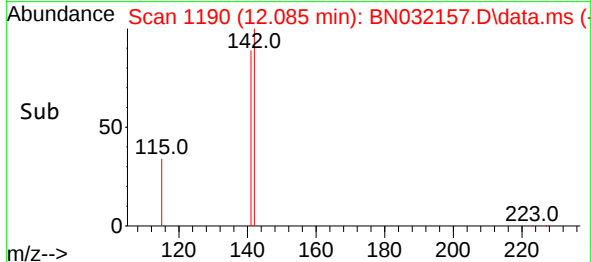
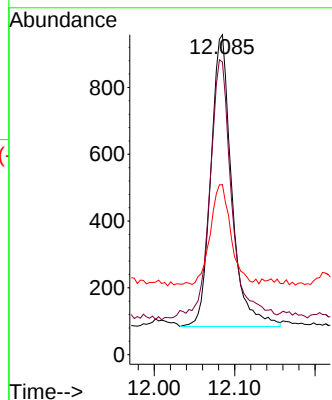
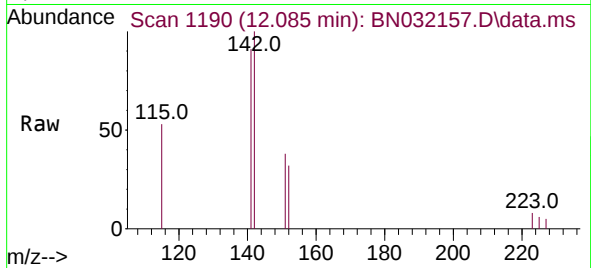




#12
2-Methylnaphthalene
Concen: 0.022 ng
RT: 12.085 min Scan# 111
Delta R.T. -0.008 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

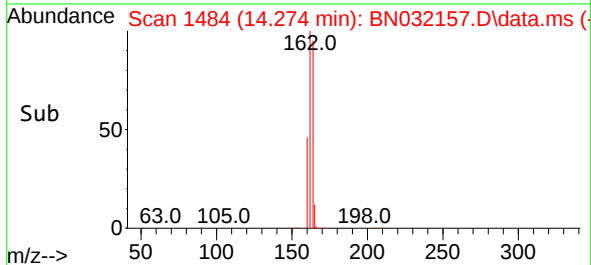
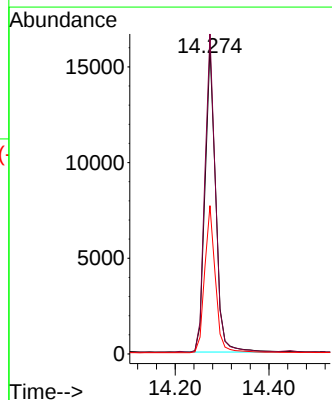
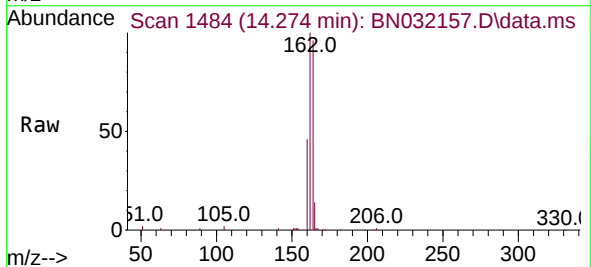
Instrument :
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ClientSampleId :
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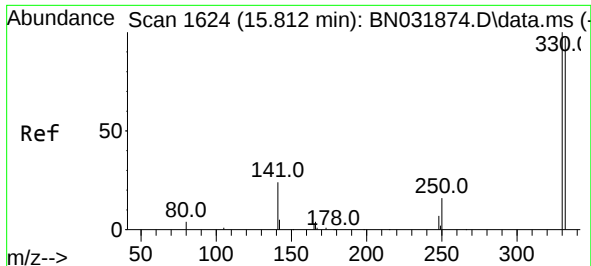
Tgt Ion:142 Resp: 1580
Ion Ratio Lower Upper
142 100
141 91.4 72.2 108.2
115 53.1 28.6 43.0#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.274 min Scan# 1484
Delta R.T. -0.011 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

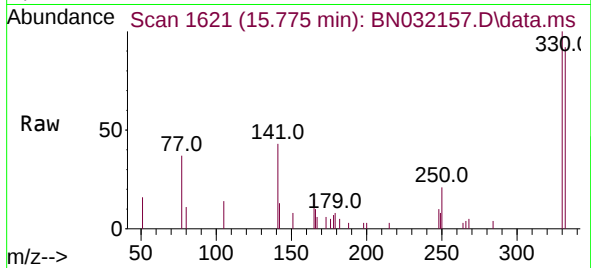
Tgt Ion:164 Resp: 25226
Ion Ratio Lower Upper
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162 104.4 80.7 121.1
160 48.4 36.2 54.4



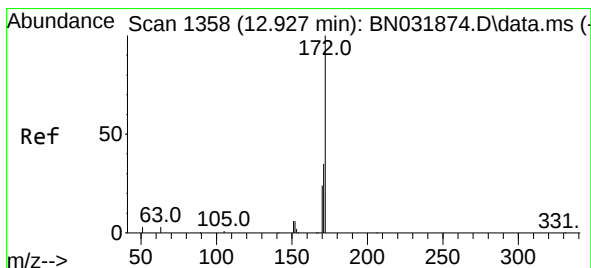
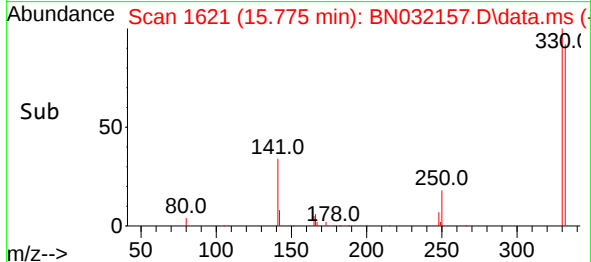
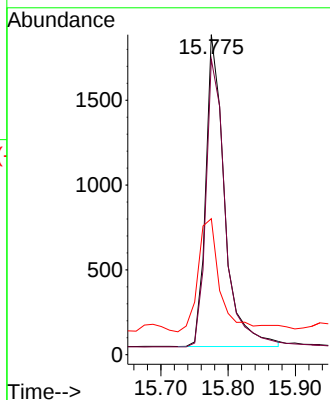


#14
2,4,6-Tribromophenol
Concen: 0.296 ng
RT: 15.775 min Scan# 1621
Delta R.T. -0.012 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-520-522

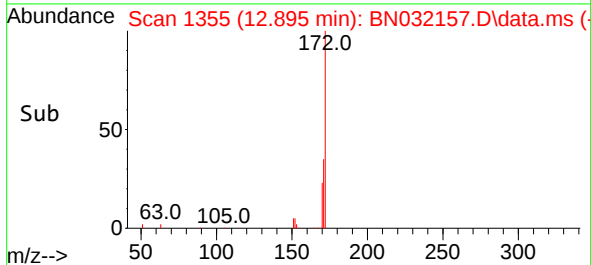
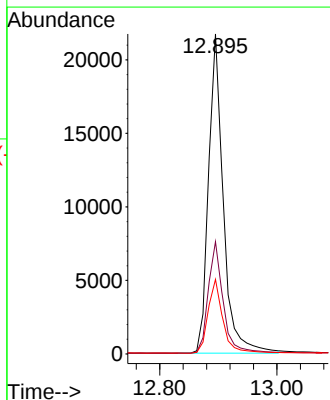
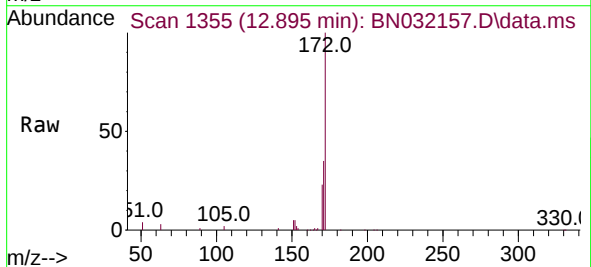


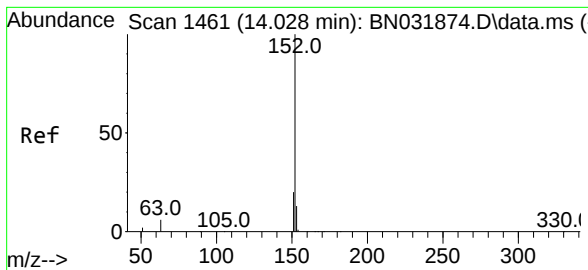
Tgt Ion:330 Resp: 3575
Ion Ratio Lower Upper
330 100
332 95.5 77.5 116.3
141 43.1 34.7 52.1



#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 12.895 min Scan# 1355
Delta R.T. -0.011 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

Tgt Ion:172 Resp: 38026
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.3 19.2 28.8

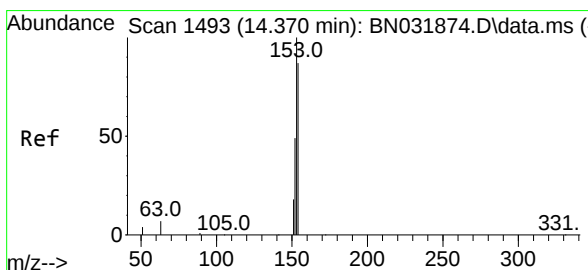
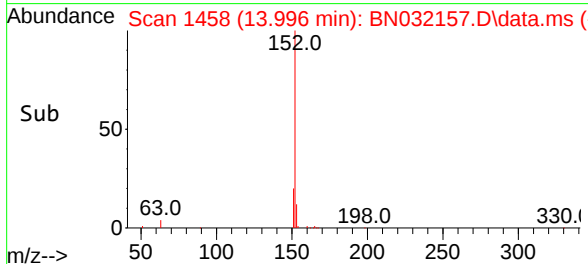
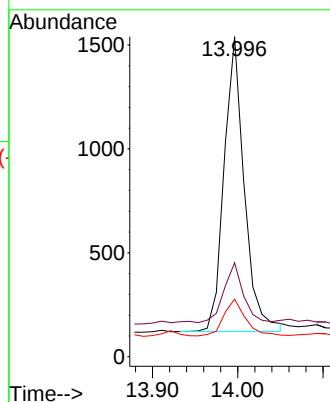
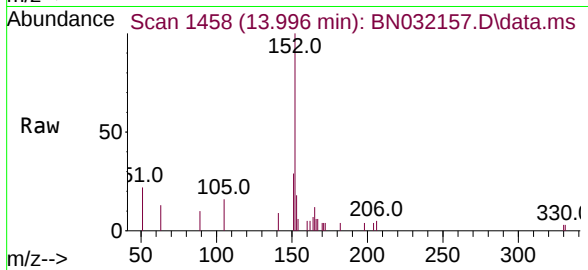




#16
Acenaphthylene
Concen: 0.020 ng
RT: 13.996 min Scan# 1461
Delta R.T. -0.011 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

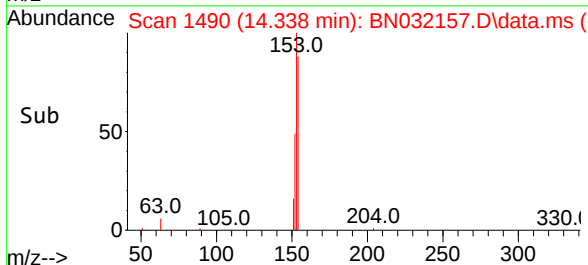
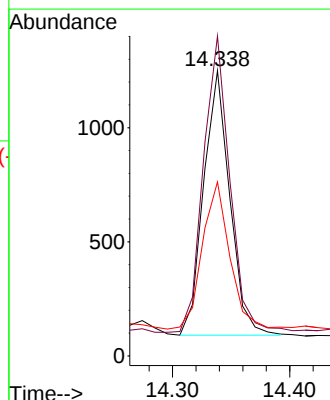
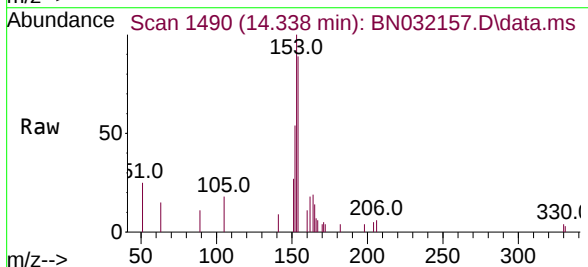
Instrument :
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BP-VPB-189-GW-520-522

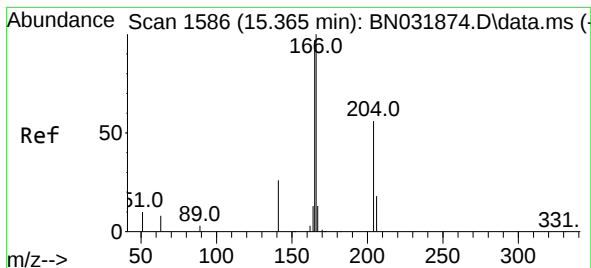
Tgt Ion:152	Resp:	2338
Ion Ratio	Lower	Upper
152	100	
151	18.5	15.7 23.5
153	13.4	10.5 15.7



#17
Acenaphthene
Concen: 0.024 ng
RT: 14.338 min Scan# 1490
Delta R.T. -0.011 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

Tgt Ion:154	Resp:	1797
Ion Ratio	Lower	Upper
154	100	
153	113.0	90.8 136.2
152	57.8	44.3 66.5





#18

Fluorene

Concen: 0.033 ng

RT: 15.333 min Scan# 1583

Delta R.T. -0.000 min

Lab File: BN032157.D

Acq: 22 Jun 2024 07:23

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-520-522

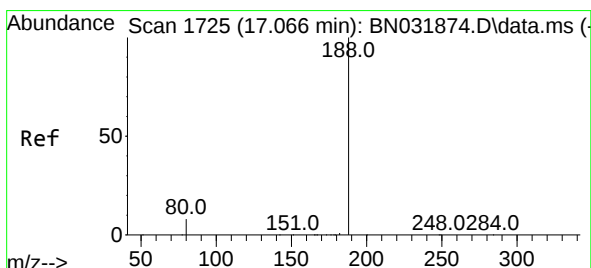
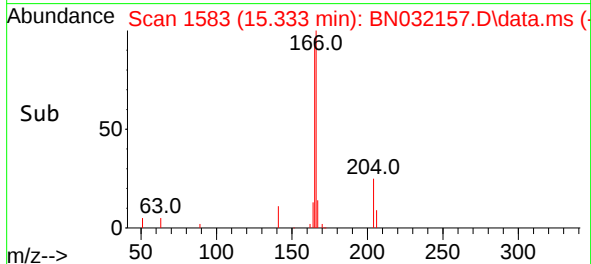
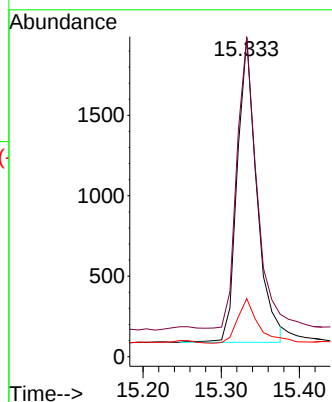
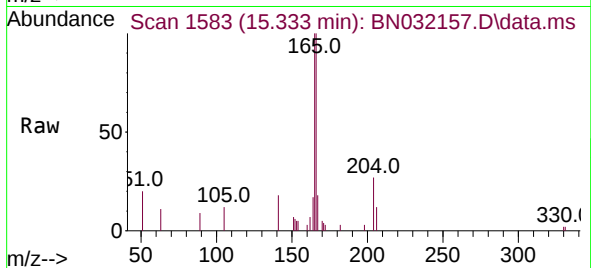
Tgt Ion:166 Resp: 3305

Ion Ratio Lower Upper

166 100

165 95.8 78.3 117.5

167 15.2 10.7 16.1



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.029 min Scan# 1722

Delta R.T. -0.000 min

Lab File: BN032157.D

Acq: 22 Jun 2024 07:23

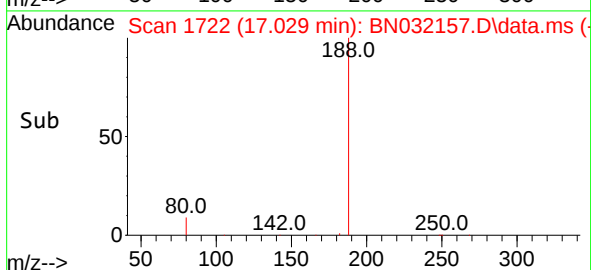
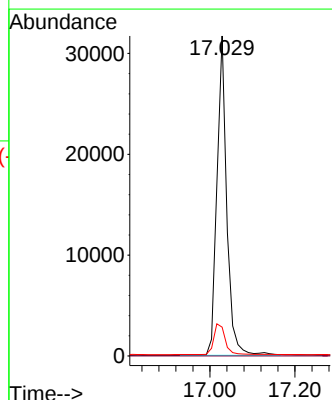
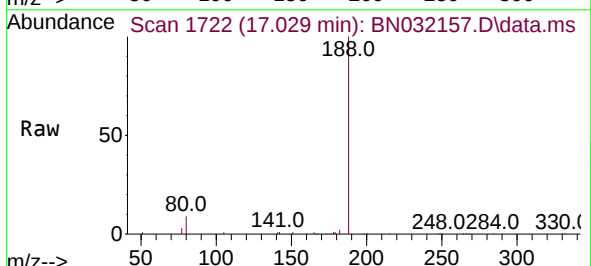
Tgt Ion:188 Resp: 50709

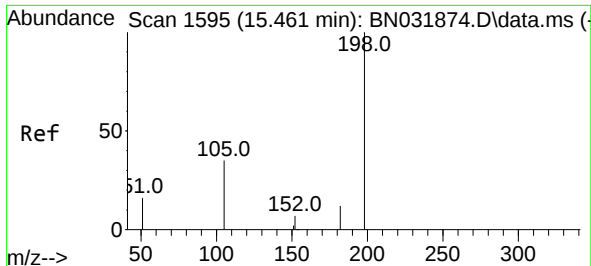
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.0 6.4 9.6

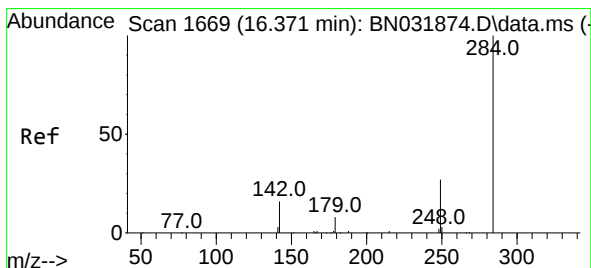
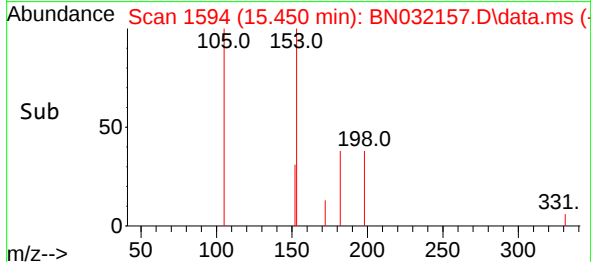
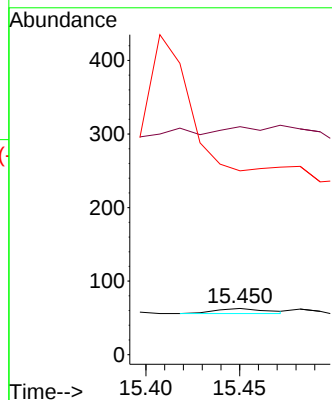
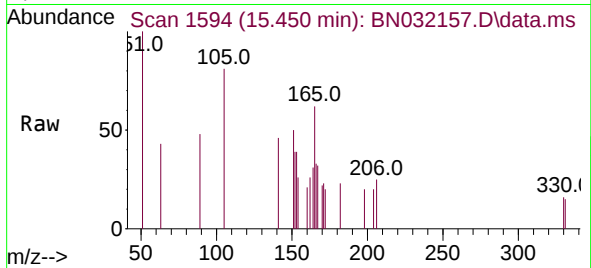




#20
4,6-Dinitro-2-methylphenol
Concen: 0.176 ng
RT: 15.450 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

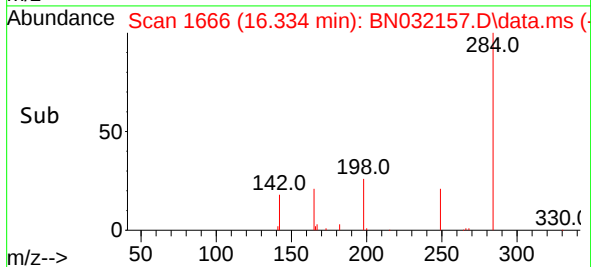
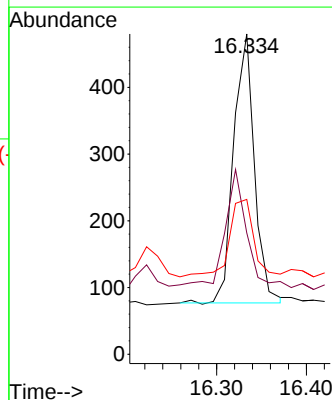
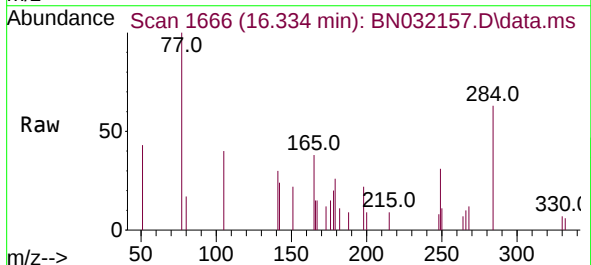
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-520-522

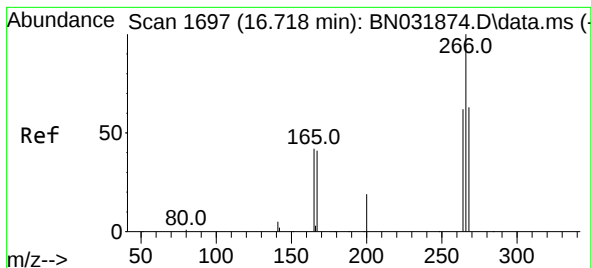
Tgt Ion:198 Resp: 13
Ion Ratio Lower Upper
198 100
51 492.1 42.7 64.1#
105 396.8 41.8 62.8#



#22
Hexachlorobenzene
Concen: 0.022 ng
RT: 16.334 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

Tgt Ion:284 Resp: 646
Ion Ratio Lower Upper
284 100
142 45.4 30.7 46.1
249 33.9 25.0 37.4





#24

Pentachlorophenol

Concen: 0.180 ng

RT: 16.694 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN032157.D

Acq: 22 Jun 2024 07:23

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-520-522

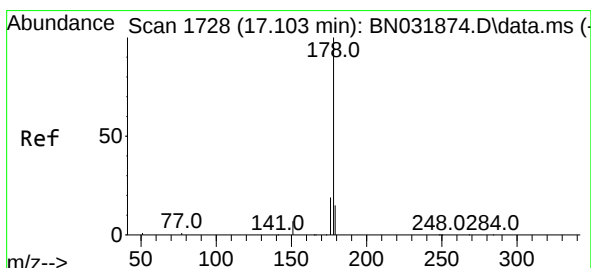
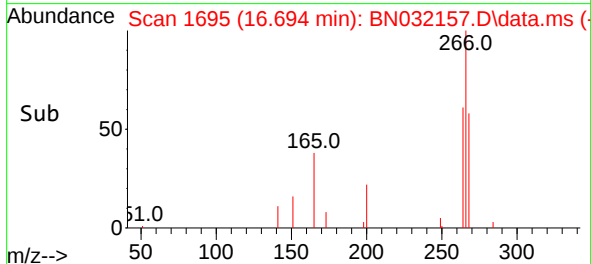
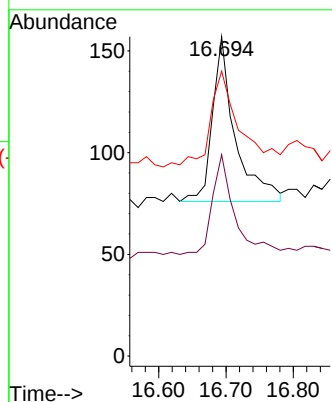
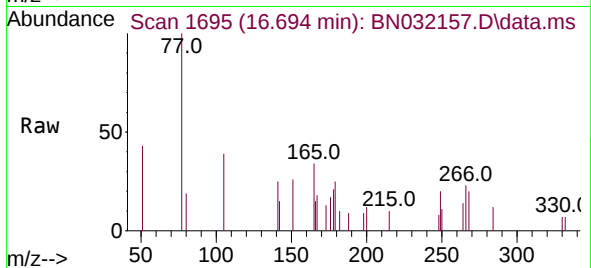
Tgt Ion:266 Resp: 190

Ion Ratio Lower Upper

266 100

264 58.9 50.0 75.0

268 71.1 51.0 76.6



#25

Phenanthrene

Concen: 0.049 ng

RT: 17.066 min Scan# 1725

Delta R.T. -0.012 min

Lab File: BN032157.D

Acq: 22 Jun 2024 07:23

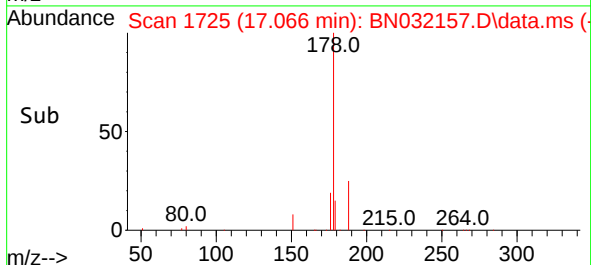
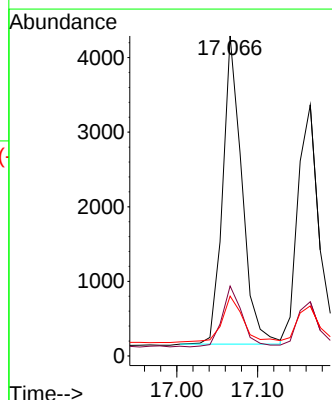
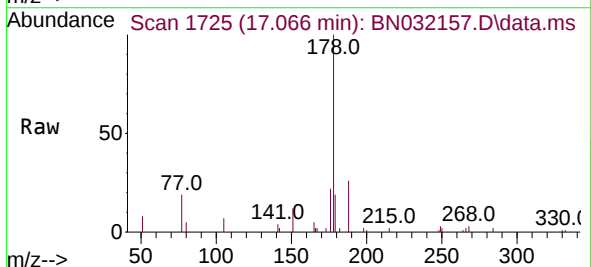
Tgt Ion:178 Resp: 6836

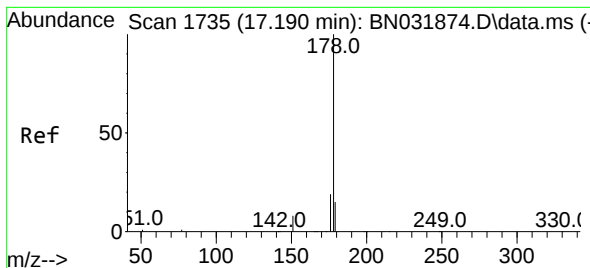
Ion Ratio Lower Upper

178 100

176 20.4 15.4 23.0

179 15.8 12.2 18.2





#26

Anthracene

Concen: 0.045 ng

RT: 17.165 min Scan# 1733

Delta R.T. -0.000 min

Lab File: BN032157.D

Acq: 22 Jun 2024 07:23

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-520-522

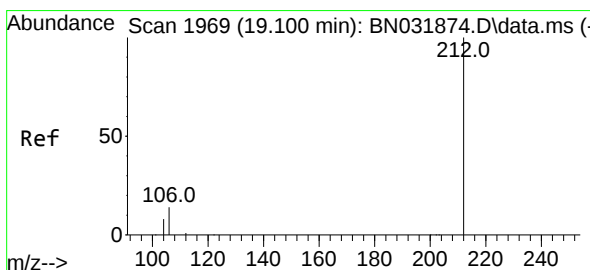
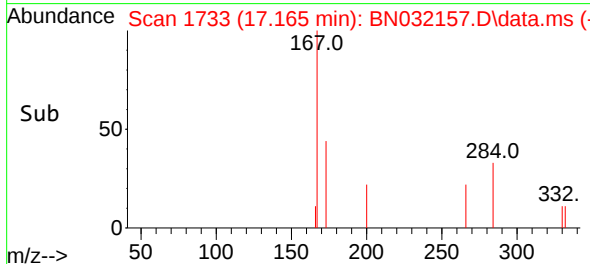
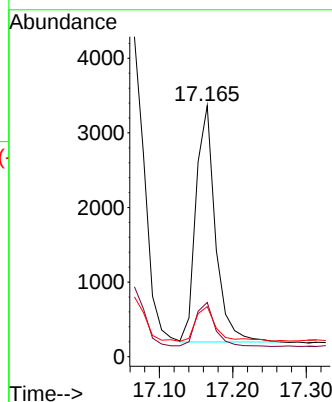
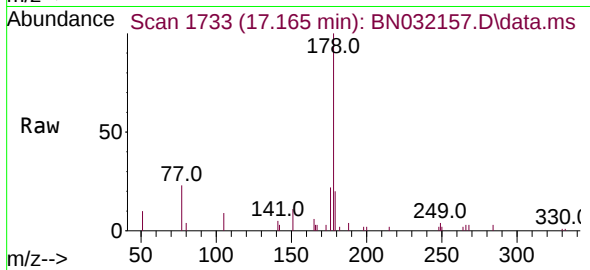
Tgt Ion:178 Resp: 5824

Ion Ratio Lower Upper

178 100

176 18.6 14.8 22.2

179 15.7 12.2 18.2



#27

Fluoranthene-d10

Concen: 0.278 ng

RT: 19.063 min Scan# 1961

Delta R.T. -0.009 min

Lab File: BN032157.D

Acq: 22 Jun 2024 07:23

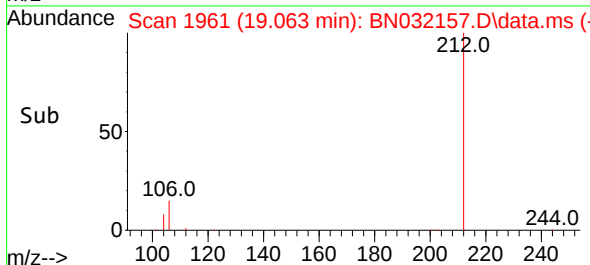
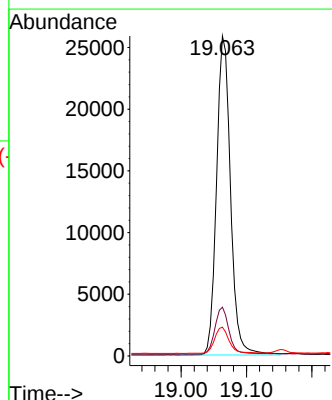
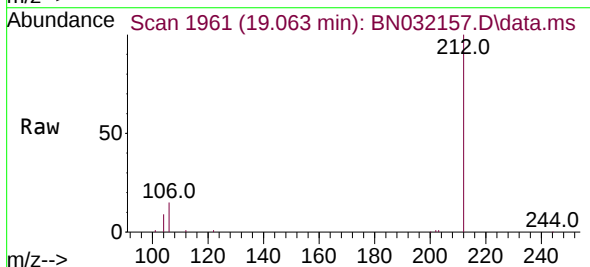
Tgt Ion:212 Resp: 38346

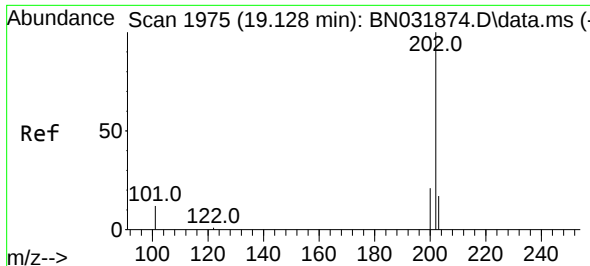
Ion Ratio Lower Upper

212 100

106 15.0 11.8 17.8

104 8.4 6.6 10.0

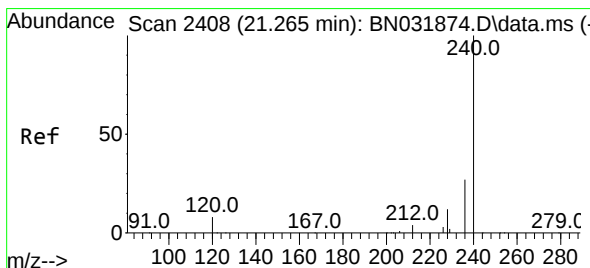
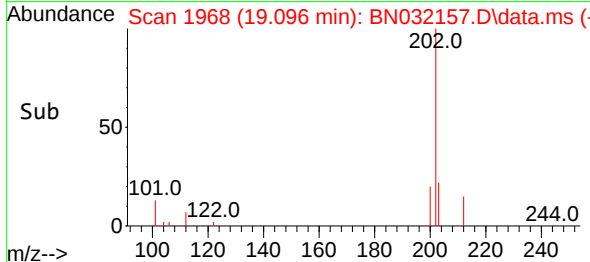
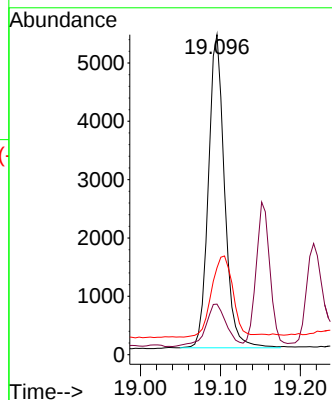
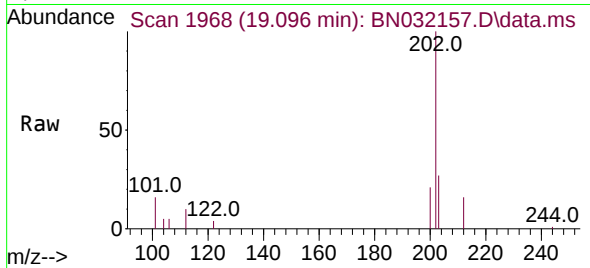




#28
Fluoranthene
Concen: 0.044 ng
RT: 19.096 min Scan# 1975
Delta R.T. -0.005 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

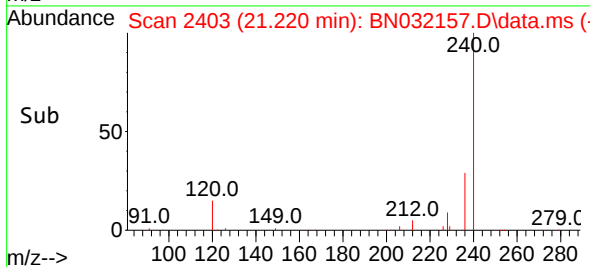
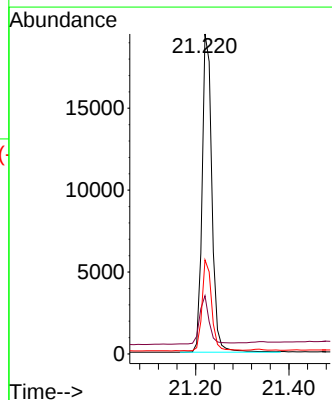
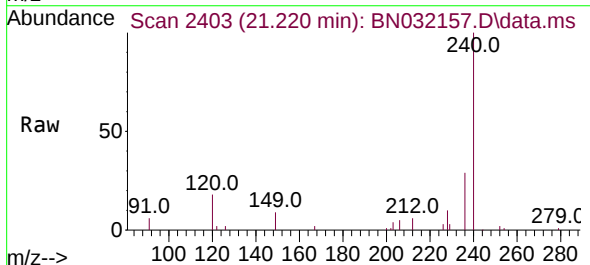
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-520-522

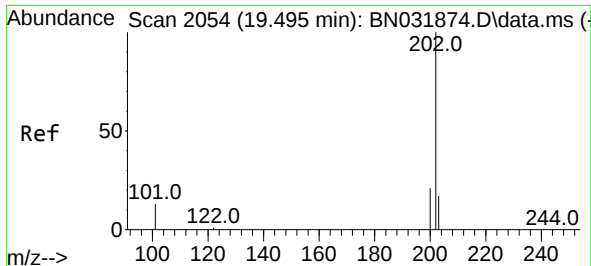
Tgt Ion:202 Resp: 7541
Ion Ratio Lower Upper
202 100
101 17.5 9.8 14.6#
203 34.4 13.7 20.5#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.220 min Scan# 2403
Delta R.T. -0.009 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

Tgt Ion:240 Resp: 28383
Ion Ratio Lower Upper
240 100
120 18.2 8.2 12.4#
236 29.4 21.8 32.8

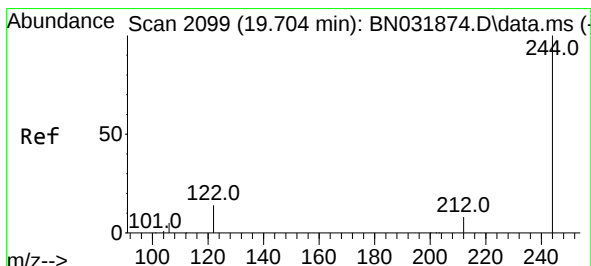
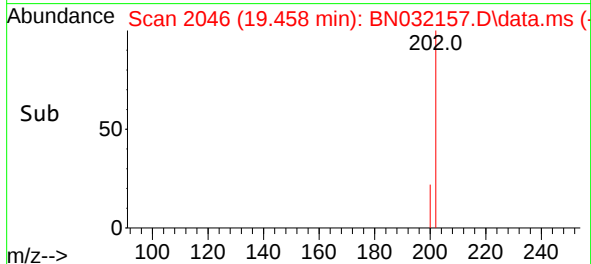
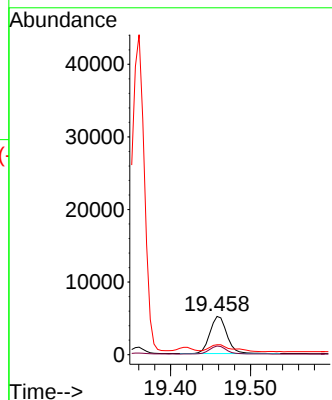
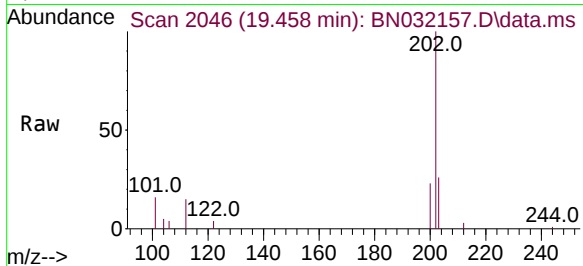




#30
Pyrene
Concen: 0.067 ng
RT: 19.458 min Scan# 2046
Delta R.T. -0.009 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

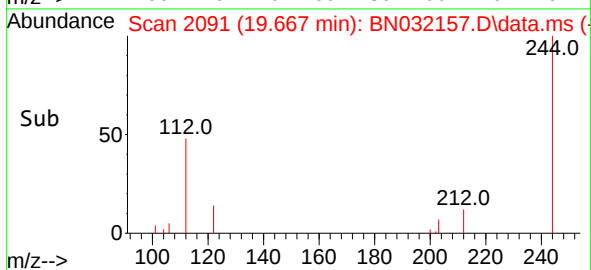
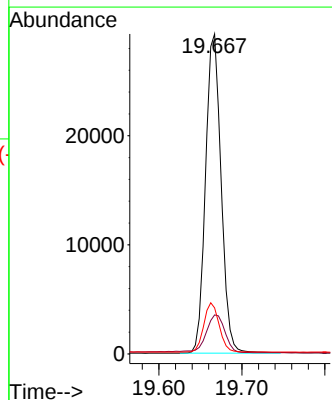
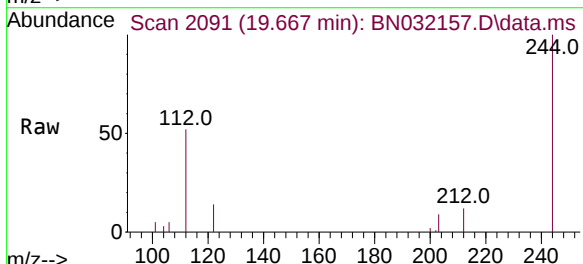
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-520-522

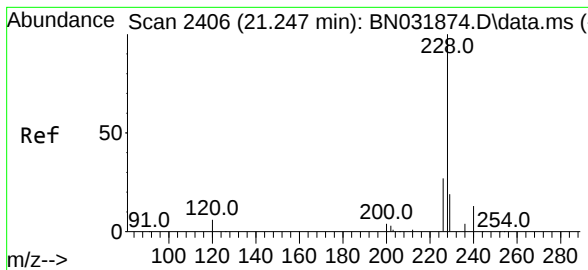
Tgt Ion:202 Resp: 7551
Ion Ratio Lower Upper
202 100
200 21.6 16.7 25.1
203 24.6 14.3 21.5#



#31
Terphenyl-d14
Concen: 0.551 ng
RT: 19.667 min Scan# 2091
Delta R.T. -0.005 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

Tgt Ion:244 Resp: 38242
Ion Ratio Lower Upper
244 100
212 12.2 6.5 9.7#
122 14.4 11.4 17.0





#32

Benzo(a)anthracene

Concen: 0.052 ng

RT: 21.211 min Scan# 2402

Delta R.T. -0.000 min

Lab File: BN032157.D

Acq: 22 Jun 2024 07:23

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-520-522

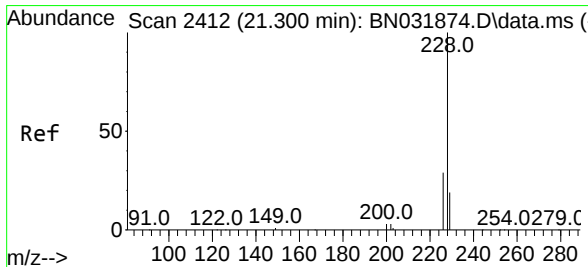
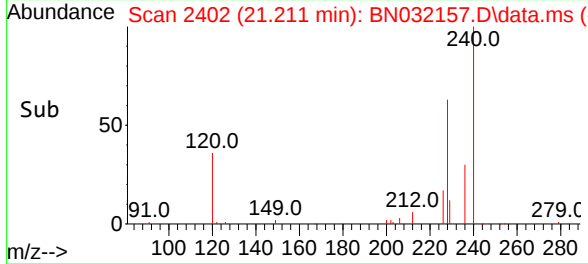
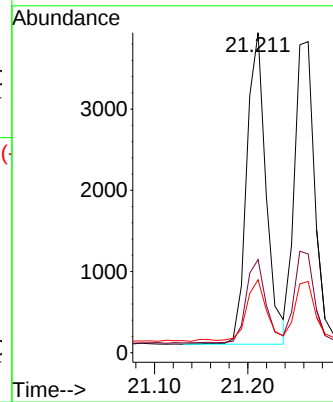
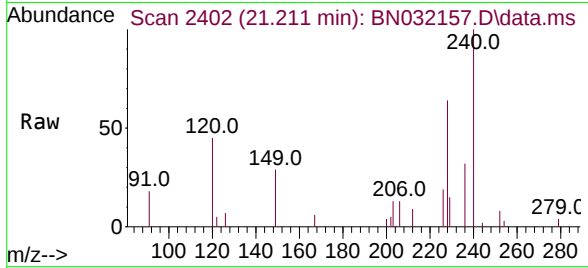
Tgt Ion:228 Resp: 5538

Ion Ratio Lower Upper

228 100

226 29.1 21.8 32.6

229 22.8 15.8 23.8



#33

Chrysene

Concen: 0.055 ng

RT: 21.265 min Scan# 2408

Delta R.T. -0.000 min

Lab File: BN032157.D

Acq: 22 Jun 2024 07:23

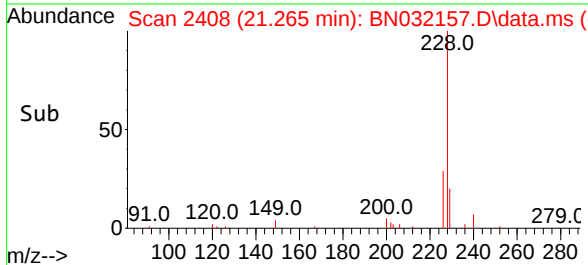
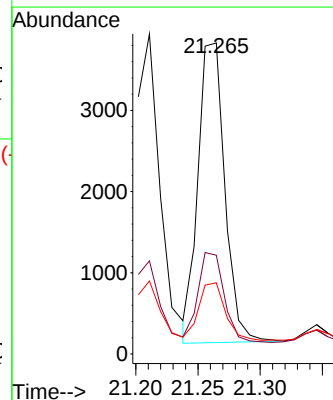
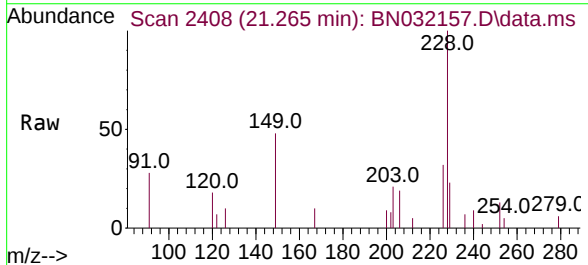
Tgt Ion:228 Resp: 5545

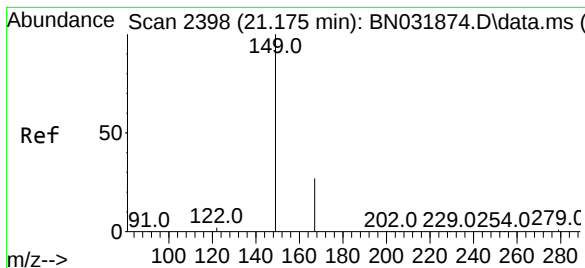
Ion Ratio Lower Upper

228 100

226 31.7 23.6 35.4

229 22.9 15.8 23.6

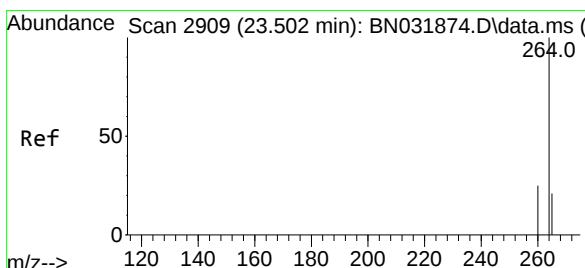
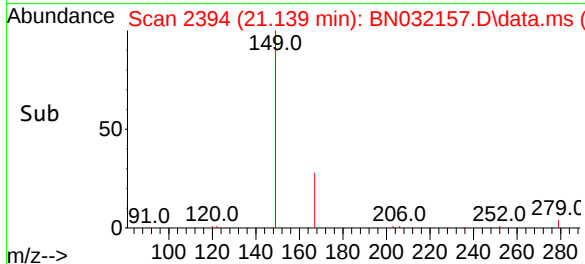
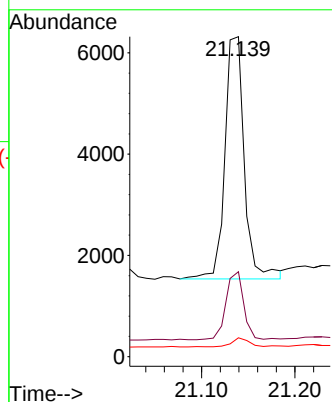
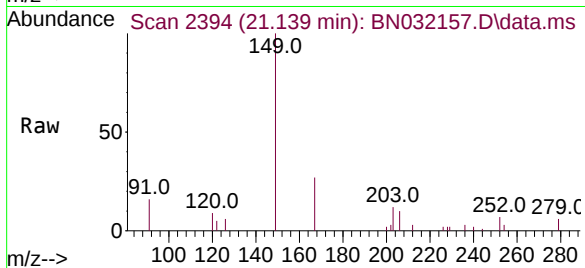




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.095 ng
RT: 21.139 min Scan# 21139
Delta R.T. -0.009 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

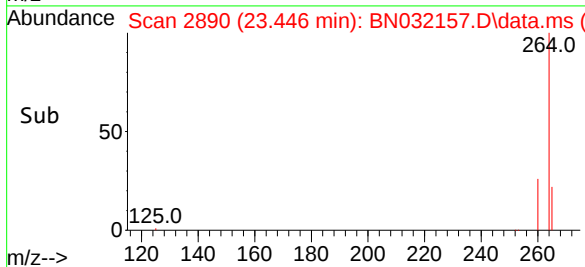
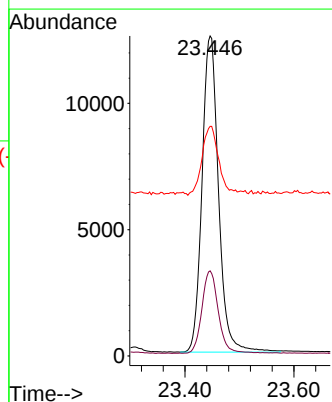
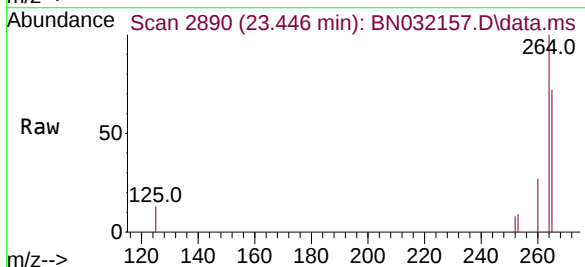
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-520-522

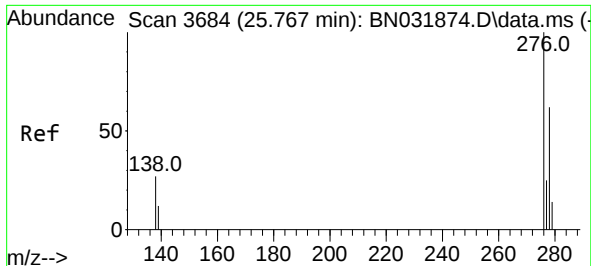
Tgt Ion:149 Resp: 6925
Ion Ratio Lower Upper
149 100
167 25.8 22.5 33.7
279 3.9 2.9 4.3



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.446 min Scan# 2890
Delta R.T. -0.006 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

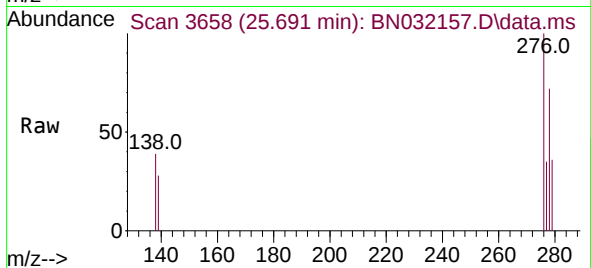
Tgt Ion:264 Resp: 26341
Ion Ratio Lower Upper
264 100
260 26.6 20.5 30.7
265 71.7 39.6 59.4#



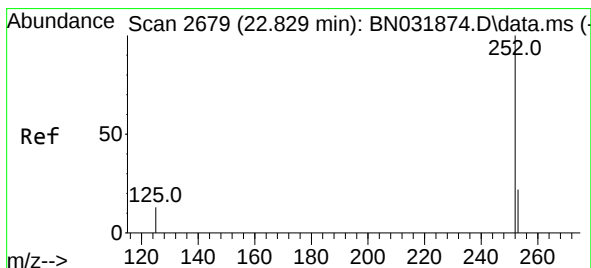
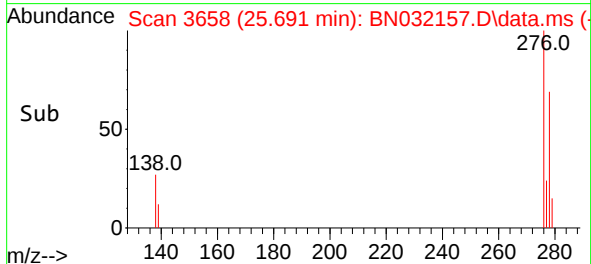
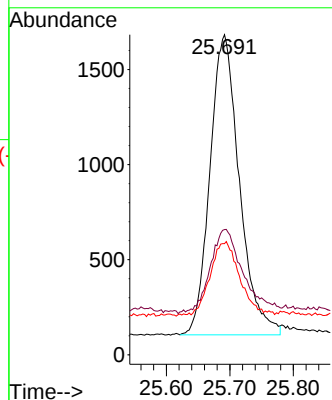


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.052 ng
RT: 25.691 min Scan# 30
Delta R.T. -0.003 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-520-522

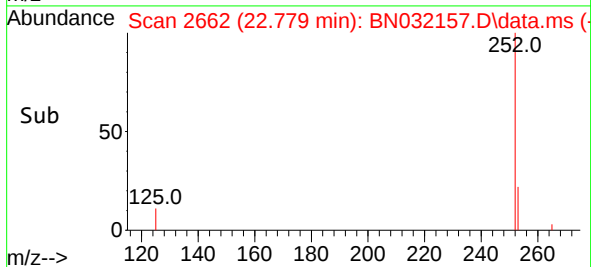
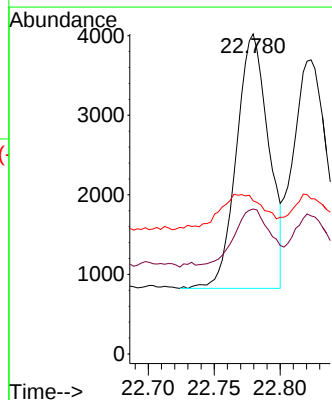
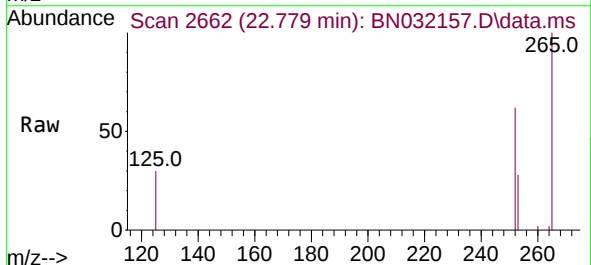


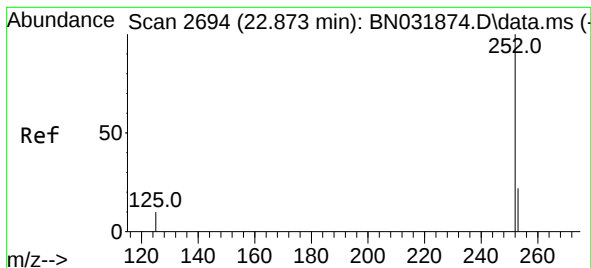
Tgt Ion:276 Resp: 5076
Ion Ratio Lower Upper
276 100
138 30.2 21.5 32.3
277 23.6 19.8 29.8



#37
Benzo(b)fluoranthene
Concen: 0.057 ng
RT: 22.779 min Scan# 2662
Delta R.T. -0.006 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

Tgt Ion:252 Resp: 5435
Ion Ratio Lower Upper
252 100
253 45.3 20.2 30.2#
125 47.9 14.2 21.4#





#38

Benzo(k)fluoranthene

Concen: 0.056 ng

RT: 22.823 min Scan# 2

Delta R.T. -0.006 min

Lab File: BN032157.D

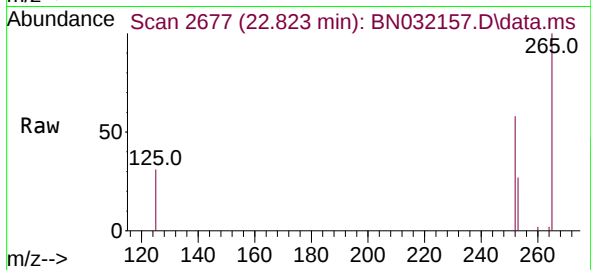
Acq: 22 Jun 2024 07:23

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-520-522



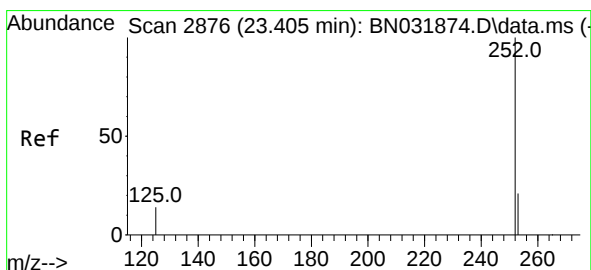
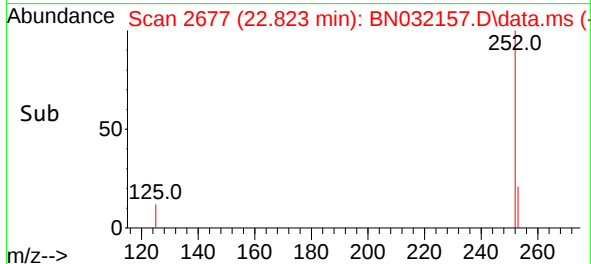
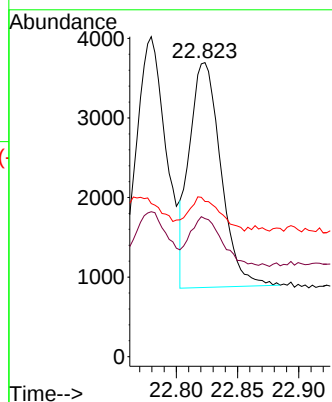
Tgt Ion:252 Resp: 5048

Ion Ratio Lower Upper

252 100

253 47.0 19.9 29.9#

125 52.8 13.0 19.4#



#39

Benzo(a)pyrene

Concen: 0.039 ng

RT: 23.347 min Scan# 2856

Delta R.T. -0.012 min

Lab File: BN032157.D

Acq: 22 Jun 2024 07:23

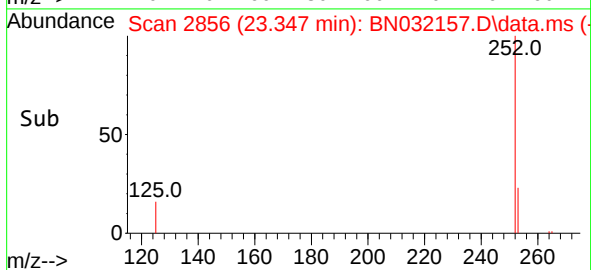
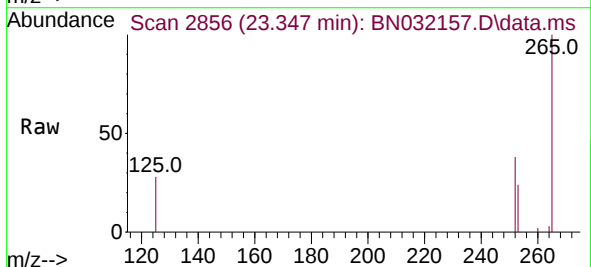
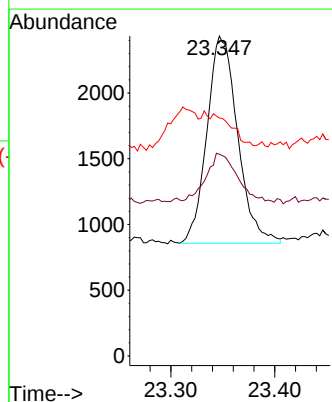
Tgt Ion:252 Resp: 3231

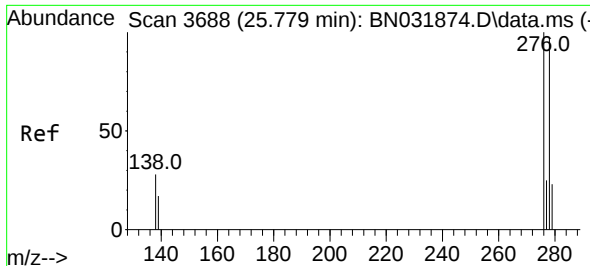
Ion Ratio Lower Upper

252 100

253 63.1 20.5 30.7#

125 74.4 16.4 24.6#

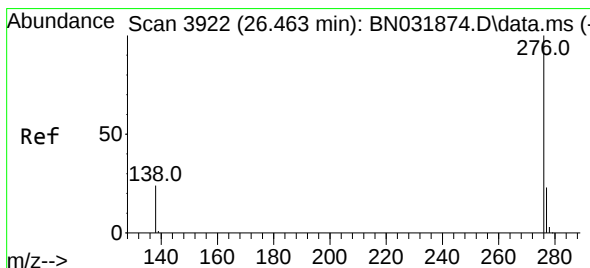
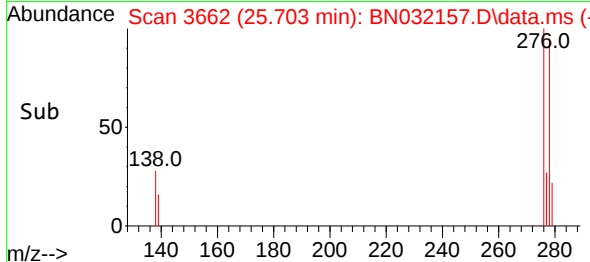
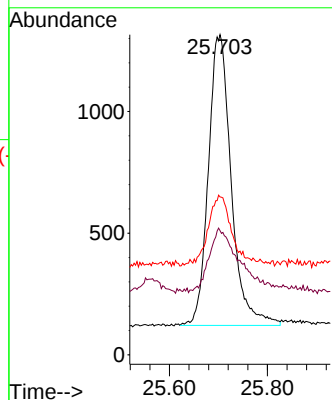
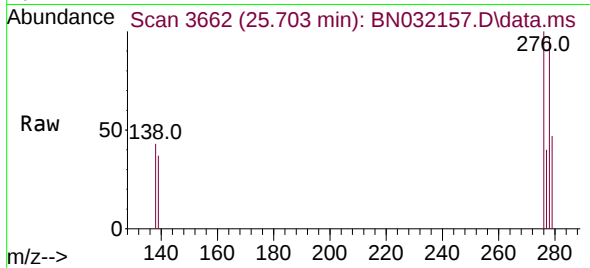




#40
Dibenzo(a,h)anthracene
Concen: 0.050 ng
RT: 25.703 min Scan# 30
Delta R.T. -0.003 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-520-522

Tgt Ion:278 Resp: 3874
Ion Ratio Lower Upper
278 100
139 38.8 17.0 25.4#
279 49.3 21.4 32.0#



#41
Benzo(g,h,i)perylene
Concen: 0.046 ng
RT: 26.376 min Scan# 3892
Delta R.T. -0.003 min
Lab File: BN032157.D
Acq: 22 Jun 2024 07:23

Tgt Ion:276 Resp: 3811
Ion Ratio Lower Upper
276 100
277 39.3 20.2 30.2#
138 41.0 20.6 31.0#

