

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122023\
 Data File : BN029143.D
 Acq On : 20 Dec 2023 20:13
 Operator : MA/JU
 Sample : 05366-01RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 P-13(10-15)RE

Quant Time: Dec 21 01:10:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 18:03:30 2023
 Response via : Initial Calibration

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

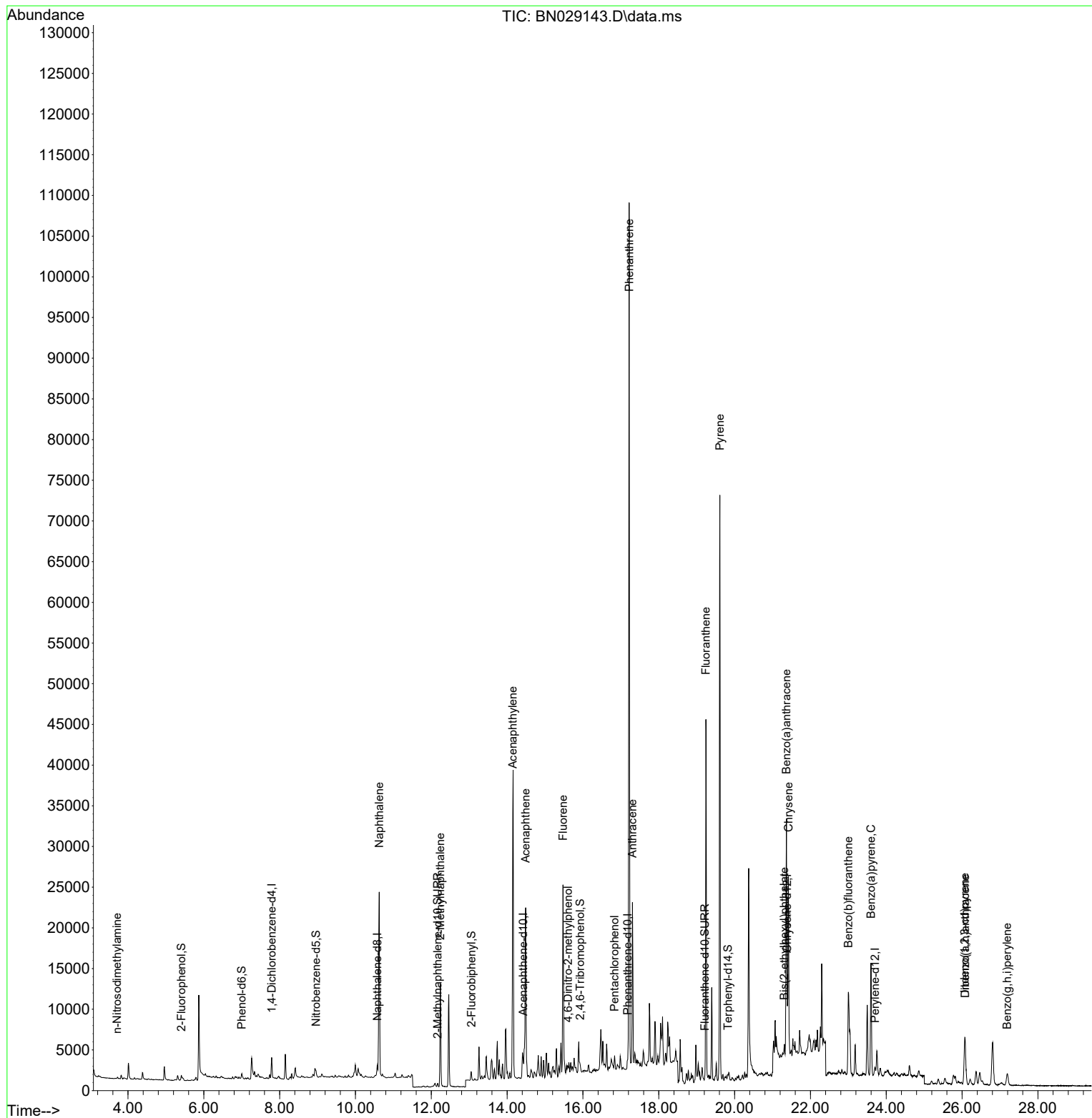
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	1022	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	1898	0.400	ng	-0.01
13) Acenaphthene-d10	14.425	164	1073	0.400	ng	0.00
19) Phenanthrene-d10	17.181	188	1673	0.400	ng	0.00
29) Chrysene-d12	21.384	240	1211	0.400	ng	0.00
35) Perylene-d12	23.703	264	1457	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.406	112	492	0.201	ng	0.00
5) Phenol-d6	7.002	99	535	0.199	ng	0.00
8) Nitrobenzene-d5	8.961	82	540	0.218	ng	0.00
11) 2-Methylnaphthalene-d10	12.166	152	616	0.214	ng	0.00
14) 2,4,6-Tribromophenol	15.927	330	121	0.129	ng	0.00
15) 2-Fluorobiphenyl	13.057	172	976	0.156	ng	0.00
27) Fluoranthene-d10	19.215	212	818	0.202	ng	0.00
31) Terphenyl-d14	19.824	244	477	0.143	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.709	42	31	0.047	ng	# 29
9) Naphthalene	10.626	128	29183	4.719	ng	# 91
12) 2-Methylnaphthalene	12.238	142	8550	2.115	ng	# 97
16) Acenaphthylene	14.147	152	11526	1.524	ng	# 85
17) Acenaphthene	14.490	154	10641	2.346	ng	# 96
18) Fluorene	15.473	166	15052	2.461	ng	# 100
20) 4,6-Dinitro-2-methylph...	15.604	198	2	0.065	ng	# 1
24) Pentachlorophenol	16.833	266	25	0.021	ng	# 41
25) Phenanthrene	17.218	178	99391	14.399	ng	# 96
26) Anthracene	17.305	178	20005	2.998	ng	# 99
28) Fluoranthene	19.243	202	39420	5.524	ng	# 98
30) Pyrene	19.610	202	63227	6.628	ng	# 100
32) Benzo(a)anthracene	21.366	228	22195	3.333	ng	# 95
33) Chrysene	21.420	228	17831	2.708	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.313	149	1277	0.105	ng	# 95
36) Indeno(1,2,3-cd)pyrene	26.072	276	10052	1.071	ng	# 69
37) Benzo(b)fluoranthene	23.002	252	19530	2.636	ng	# 76
39) Benzo(a)pyrene	23.598	252	19442	2.940	ng	# 68
40) Dibenzo(a,h)anthracene	26.083	278	2881	0.399	ng	# 99
41) Benzo(g,h,i)perylene	27.191	276	3337	0.420	ng	# 98

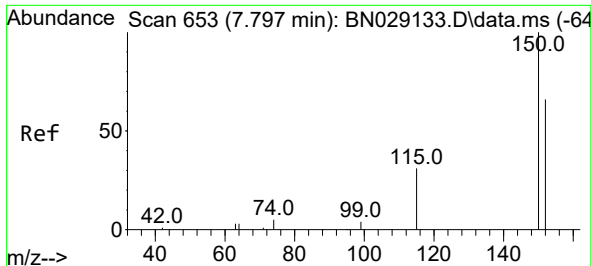
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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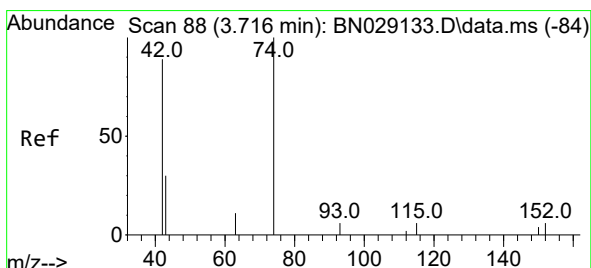
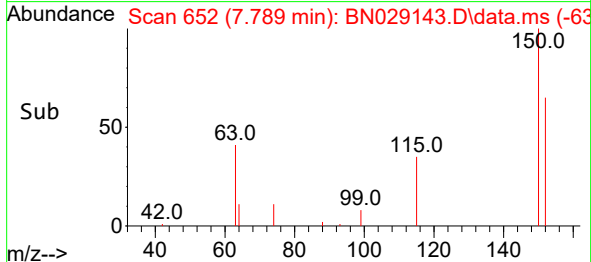
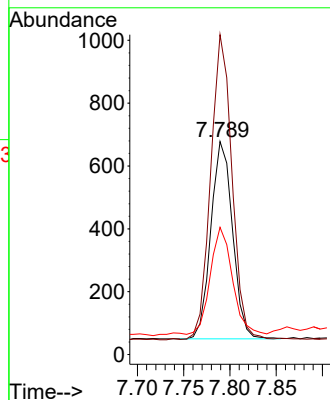
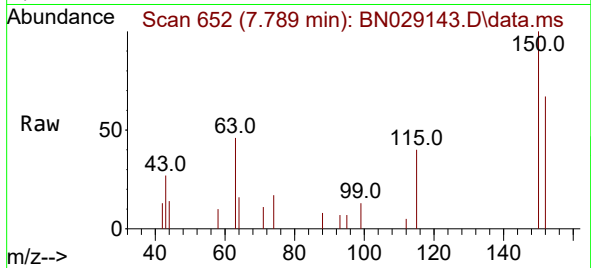




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

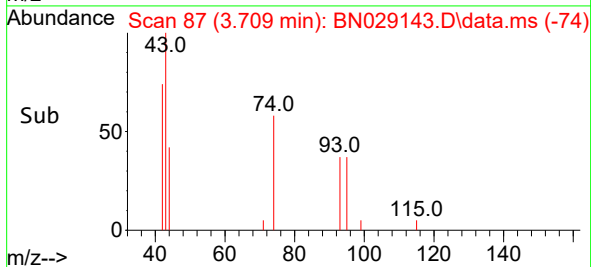
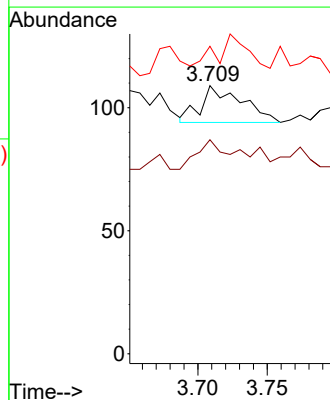
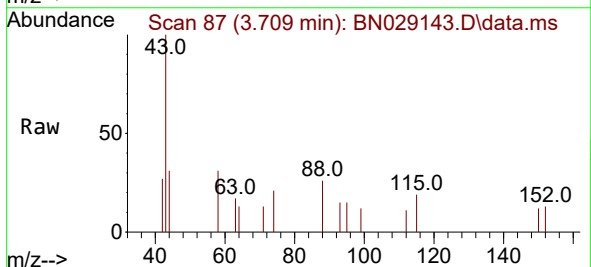
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE

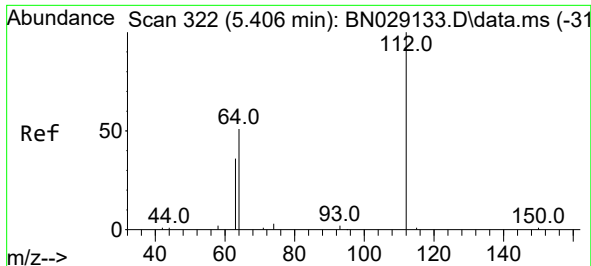
Tgt Ion:152 Resp: 1022
Ion Ratio Lower Upper
152 100
150 150.1 117.6 176.4
115 59.7 44.2 66.2



#3
n-Nitrosodimethylamine
Concen: 0.047 ng
RT: 3.709 min Scan# 87
Delta R.T. -0.007 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

Tgt Ion: 42 Resp: 31
Ion Ratio Lower Upper
42 100
74 51.6 103.0 154.4#
44 71.0 3.2 4.8#

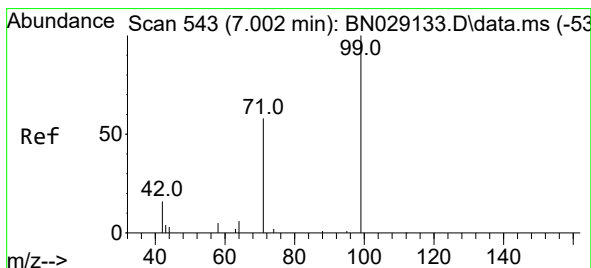
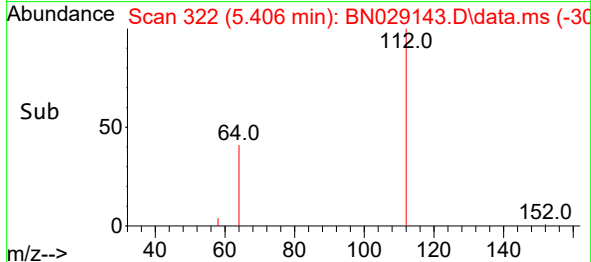
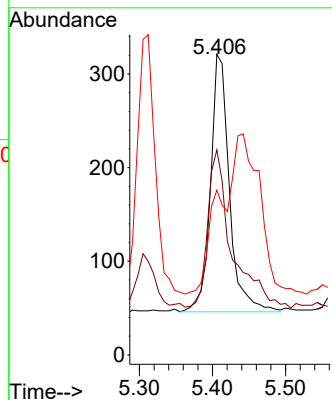
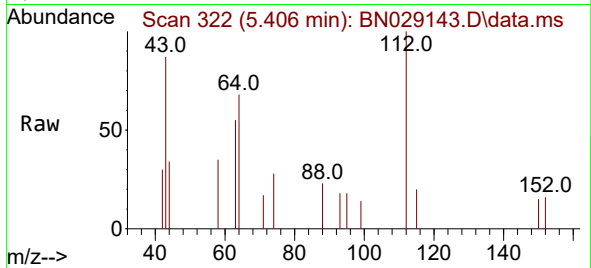




#4
2-Fluorophenol
Concen: 0.201 ng
RT: 5.406 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

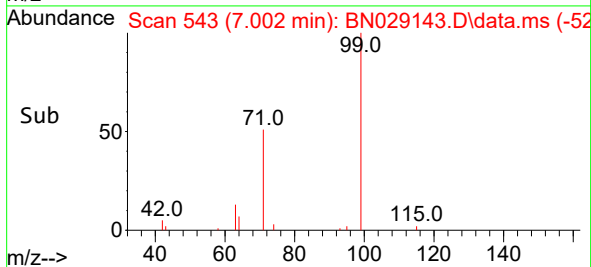
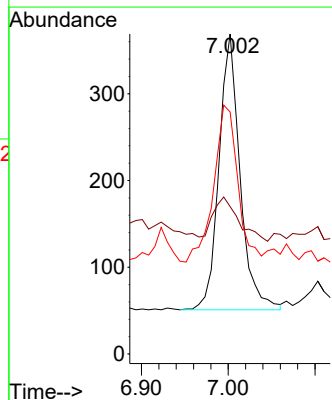
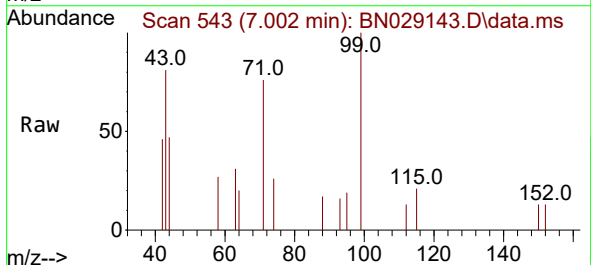
Instrument :
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P-13(10-15)RE

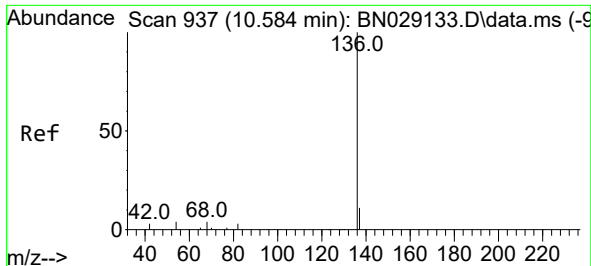
Tgt Ion:112 Resp: 492
Ion Ratio Lower Upper
112 100
64 78.7 38.6 58.0#
63 39.2 30.0 45.0



#5
Phenol-d6
Concen: 0.199 ng
RT: 7.002 min Scan# 543
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

Tgt Ion: 99 Resp: 535
Ion Ratio Lower Upper
99 100
42 19.4 13.8 20.6
71 64.9 45.4 68.2

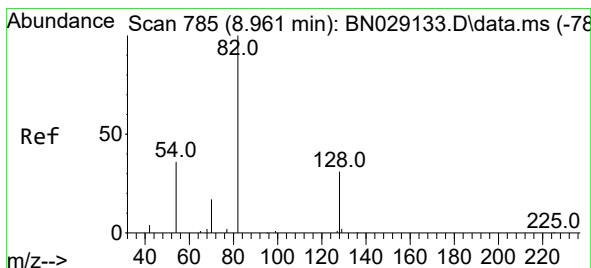
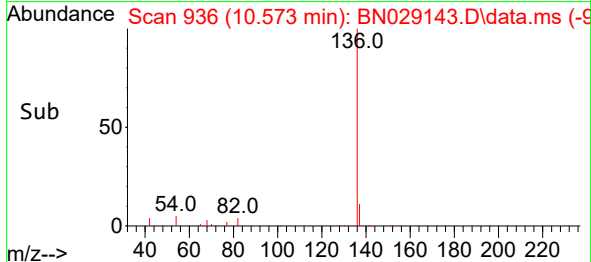
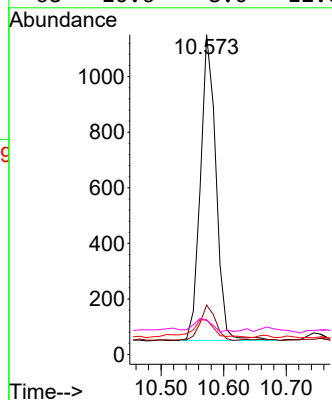
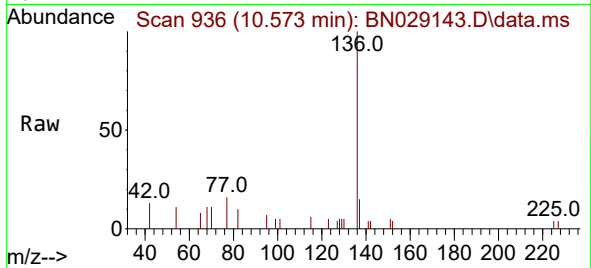




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

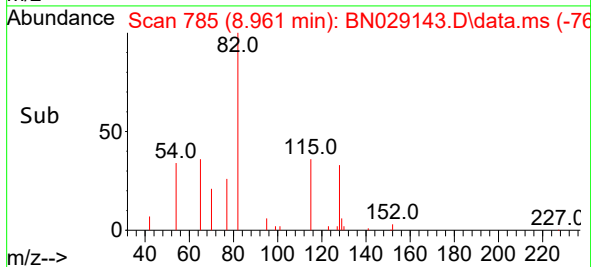
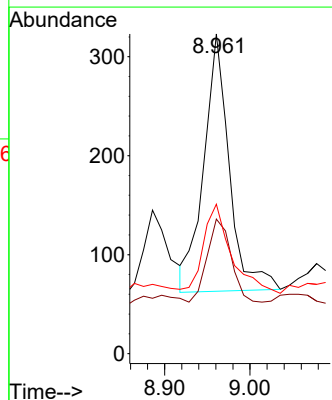
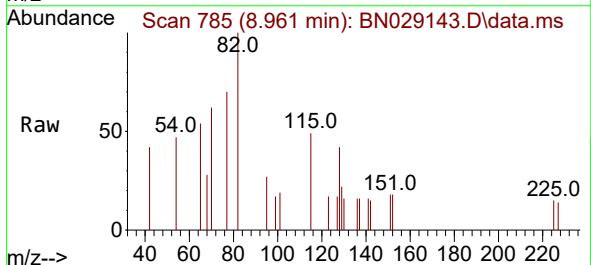
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE

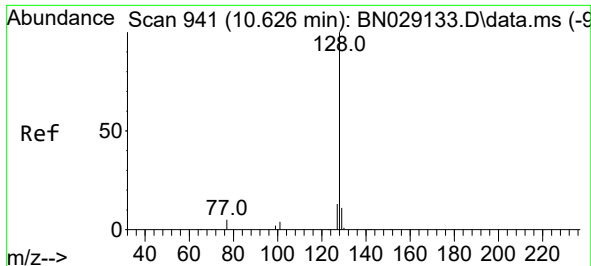
Tgt Ion:	136	Resp:	1898
Ion	Ratio	Lower	Upper
136	100		
137	15.5	13.4	20.0
54	10.9	8.6	13.0
68	10.6	8.0	12.0



#8
Nitrobenzene-d5
Concen: 0.218 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

Tgt Ion:	82	Resp:	540
Ion	Ratio	Lower	Upper
82	100		
128	42.1	33.0	49.4
54	46.7	35.8	53.8

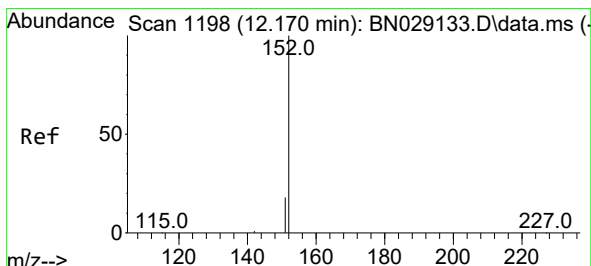
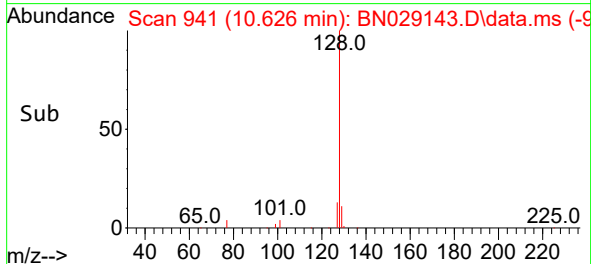
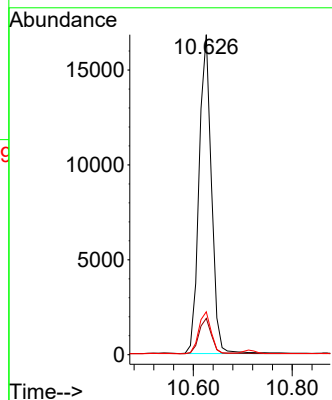
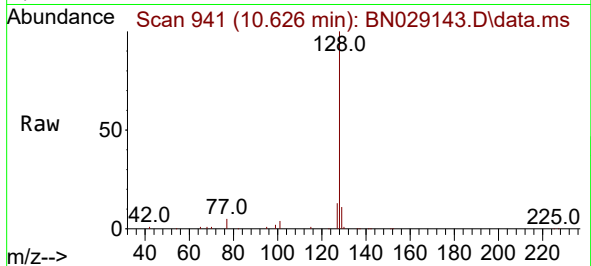




#9
Naphthalene
Concen: 4.719 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

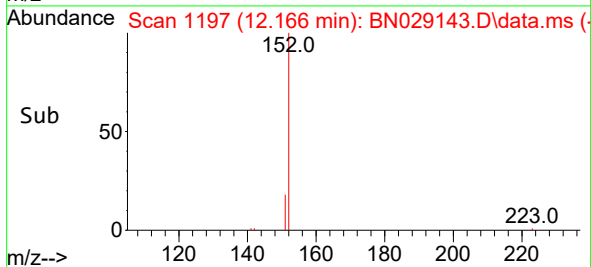
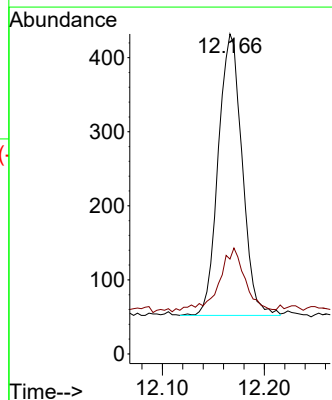
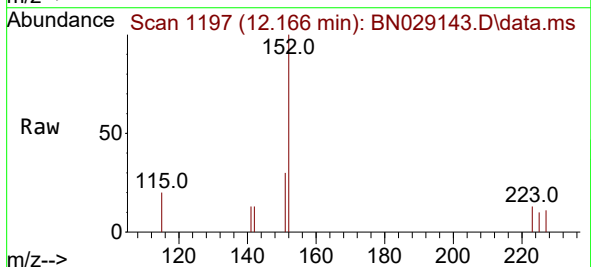
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE

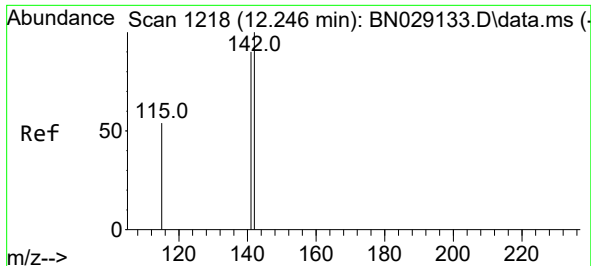
Tgt Ion:128 Resp: 29183
Ion Ratio Lower Upper
128 100
129 11.3 12.0 18.0#
127 13.4 14.1 21.1#



#11
2-Methylnaphthalene-d10
Concen: 0.214 ng
RT: 12.166 min Scan# 1197
Delta R.T. -0.004 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

Tgt Ion:152 Resp: 616
Ion Ratio Lower Upper
152 100
151 25.2 17.4 26.2

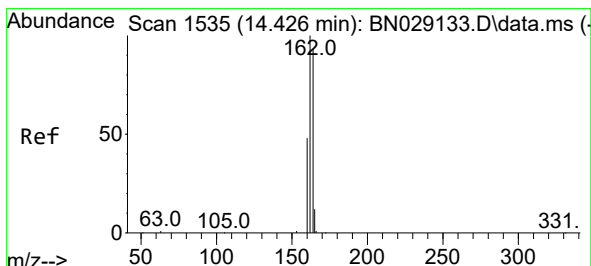
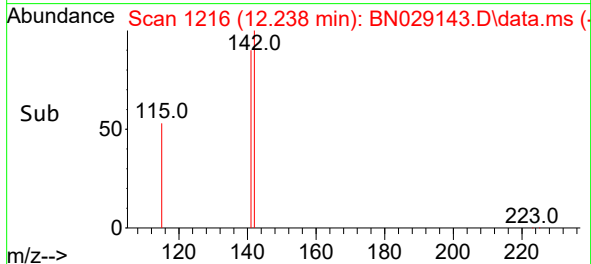
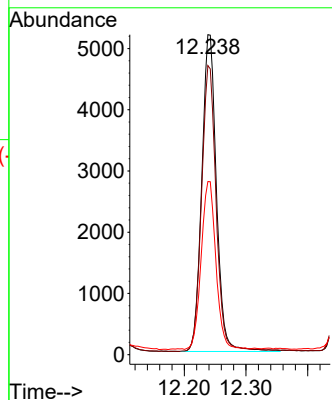
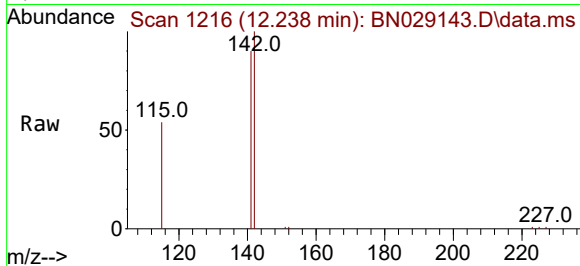




#12
2-Methylnaphthalene
Concen: 2.115 ng
RT: 12.238 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

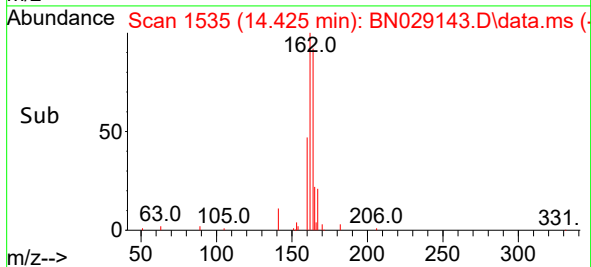
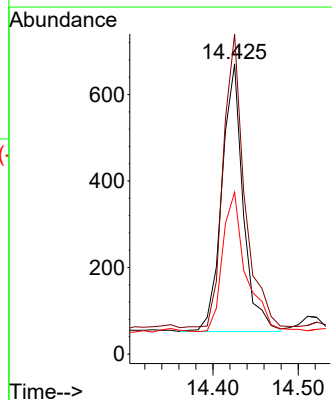
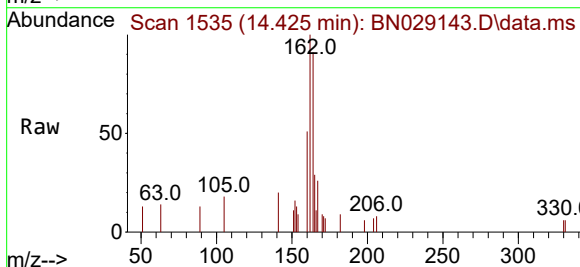
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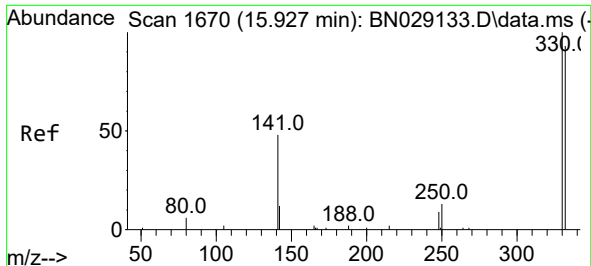
Tgt Ion:142 Resp: 8550
Ion Ratio Lower Upper
142 100
141 90.4 73.0 109.4
115 54.1 46.8 70.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.425 min Scan# 1535
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

Tgt Ion:164 Resp: 1073
Ion Ratio Lower Upper
164 100
162 110.3 85.0 127.4
160 55.7 45.8 68.8

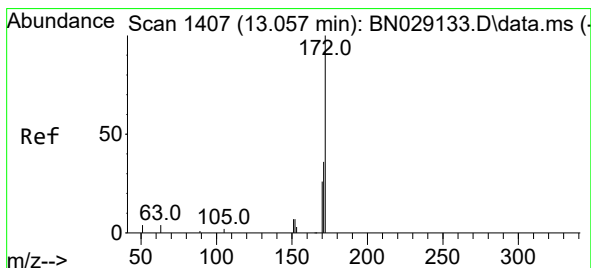
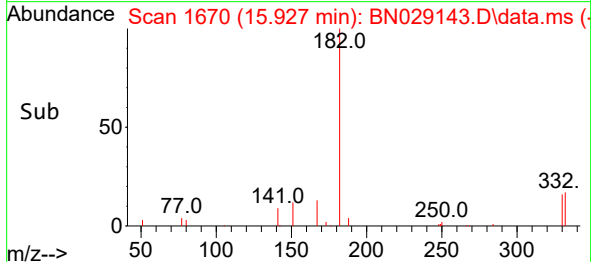
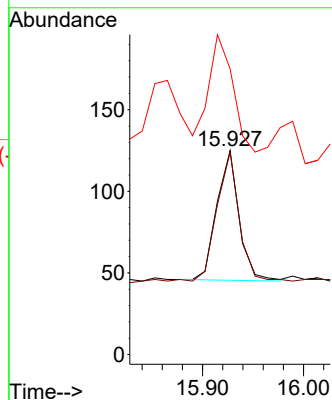
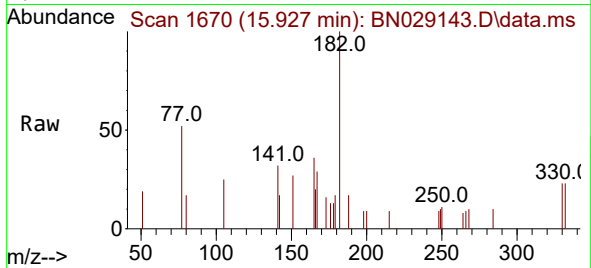




#14
2,4,6-Tribromophenol
Concen: 0.129 ng
RT: 15.927 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

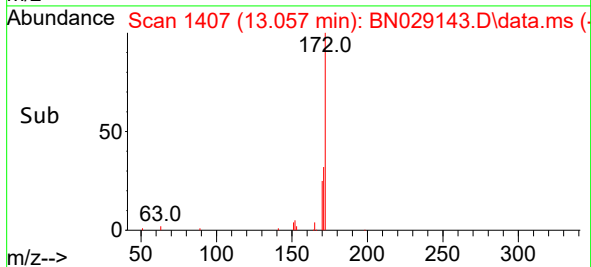
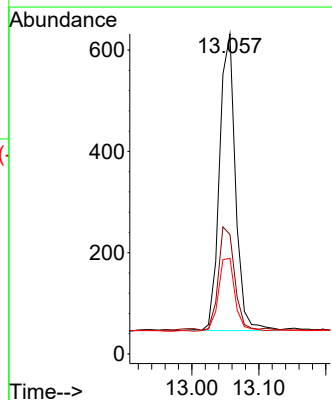
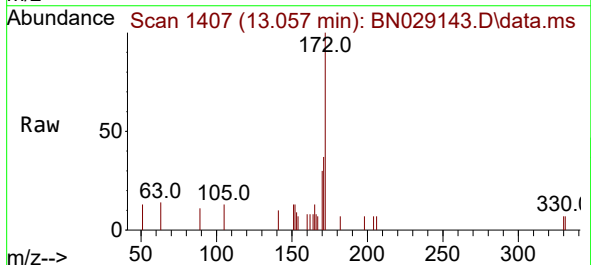
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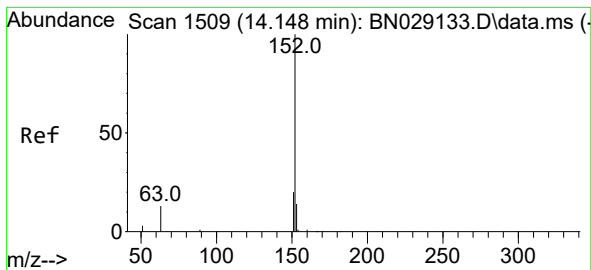
Tgt Ion:330 Resp: 121
Ion Ratio Lower Upper
330 100
332 100.0 83.4 125.0
141 98.3 43.8 65.8#



#15
2-Fluorobiphenyl
Concen: 0.156 ng
RT: 13.057 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

Tgt Ion:172 Resp: 976
Ion Ratio Lower Upper
172 100
171 37.3 32.2 48.4
170 29.9 25.0 37.4





#16

Acenaphthylene

Concen: 1.524 ng

RT: 14.147 min Scan# 1509

Delta R.T. -0.000 min

Lab File: BN029143.D

Acq: 20 Dec 2023 20:13

Instrument :

BNA_N

ClientSampleId :

P-13(10-15)RE

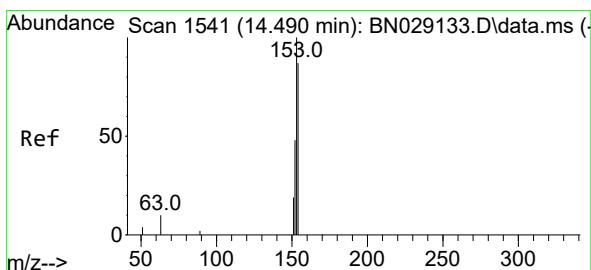
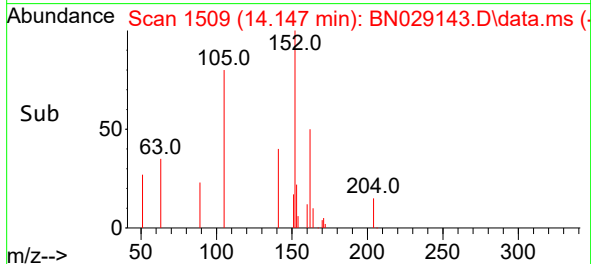
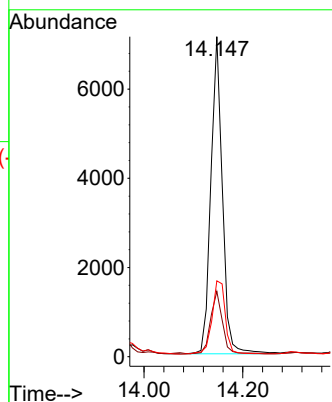
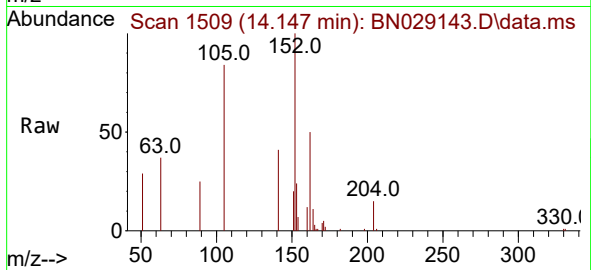
Tgt Ion:152 Resp: 11526

Ion Ratio Lower Upper

152 100

151 19.7 16.3 24.5

153 26.7 10.1 15.1#



#17

Acenaphthene

Concen: 2.346 ng

RT: 14.490 min Scan# 1541

Delta R.T. -0.000 min

Lab File: BN029143.D

Acq: 20 Dec 2023 20:13

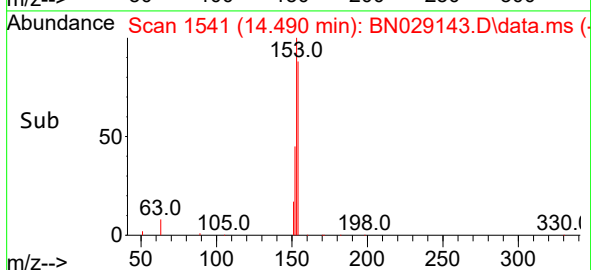
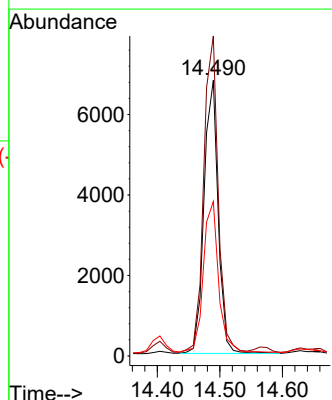
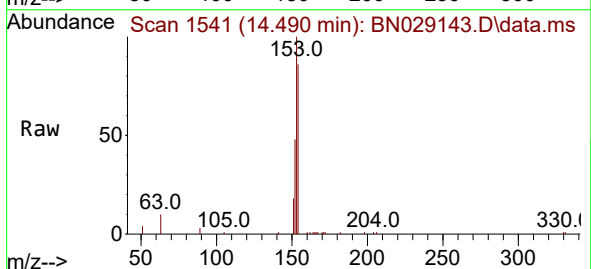
Tgt Ion:154 Resp: 10641

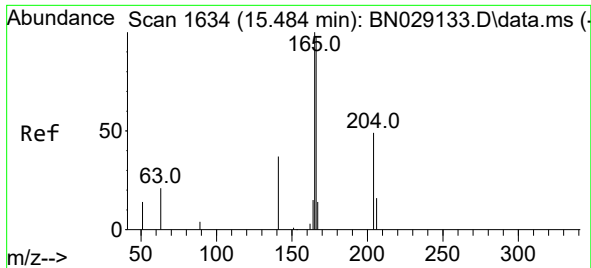
Ion Ratio Lower Upper

154 100

153 118.4 99.9 149.9

152 59.8 47.4 71.2

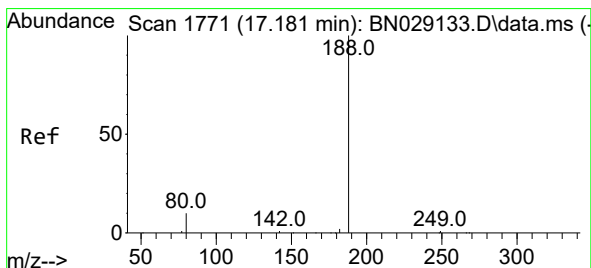
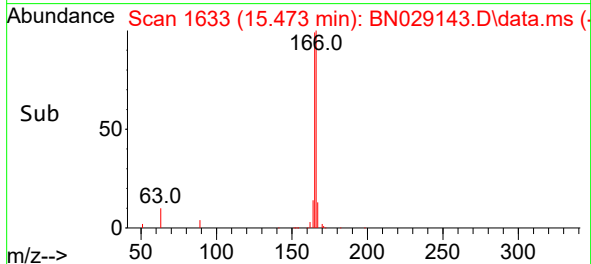
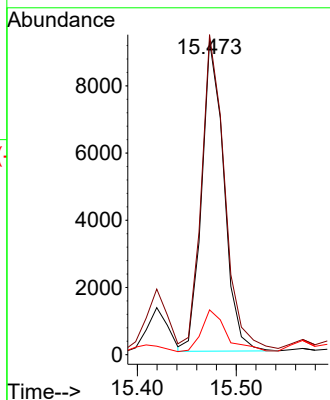
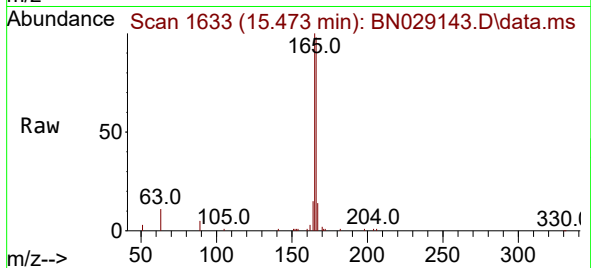




#18
Fluorene
Concen: 2.461 ng
RT: 15.473 min Scan# 1634
Delta R.T. -0.011 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

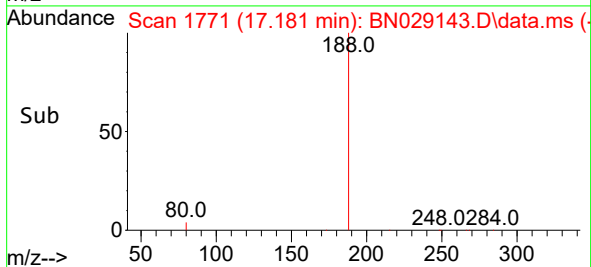
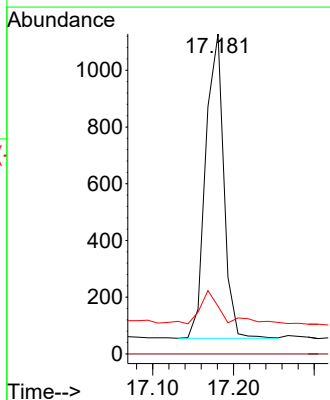
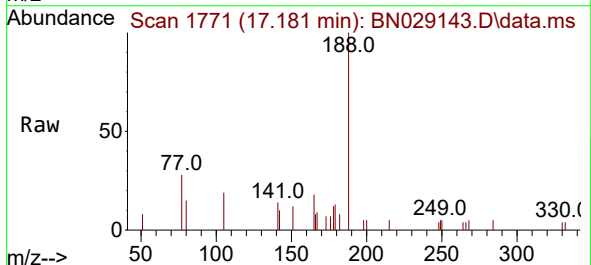
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE

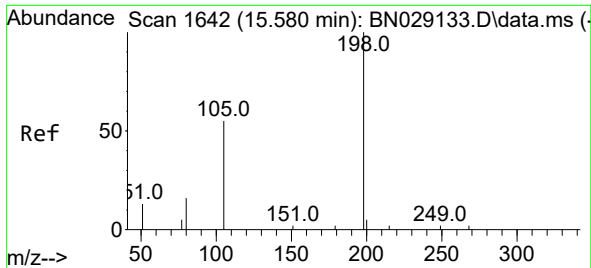
Tgt Ion:166 Resp: 15052
Ion Ratio Lower Upper
166 100
165 104.3 83.4 125.0
167 15.0 11.8 17.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.181 min Scan# 1771
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

Tgt Ion:188 Resp: 1673
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.9 13.7 20.5

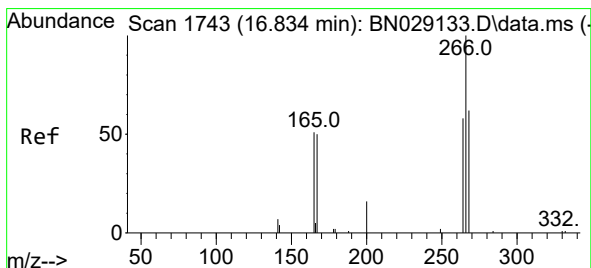
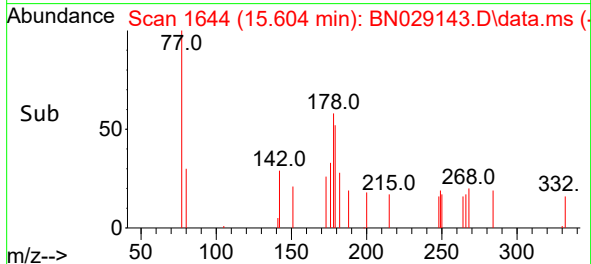
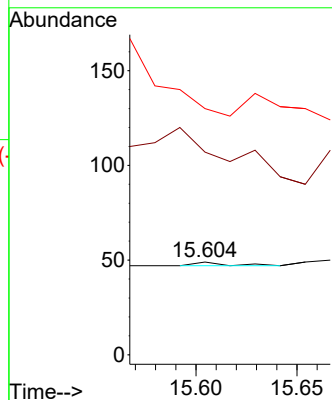
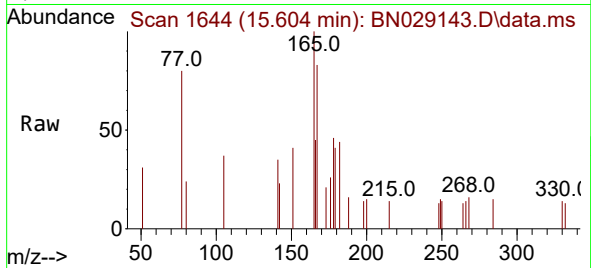




#20
4,6-Dinitro-2-methylphenol
Concen: 0.065 ng
RT: 15.604 min Scan# 1644
Delta R.T. 0.025 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

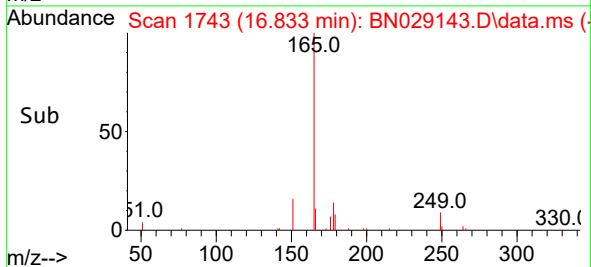
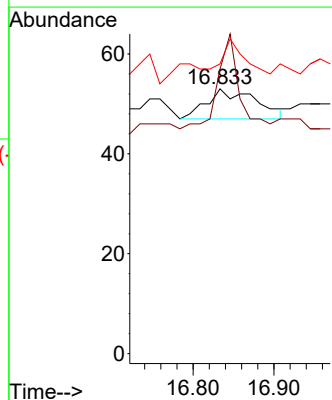
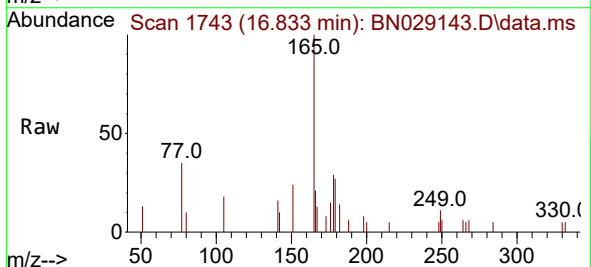
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE

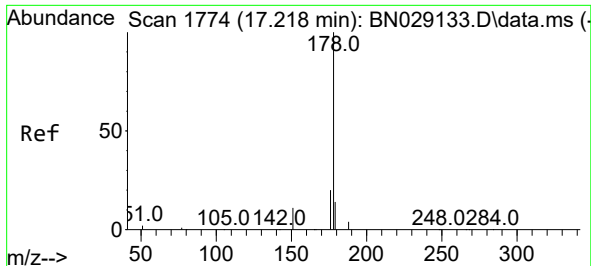
Tgt Ion:198 Resp: 2
Ion Ratio Lower Upper
198 100
51 218.4 53.6 80.4#
105 265.3 65.6 98.4#



#24
Pentachlorophenol
Concen: 0.021 ng
RT: 16.833 min Scan# 1743
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

Tgt Ion:266 Resp: 25
Ion Ratio Lower Upper
266 100
264 136.0 45.0 67.6#
268 84.0 55.5 83.3#

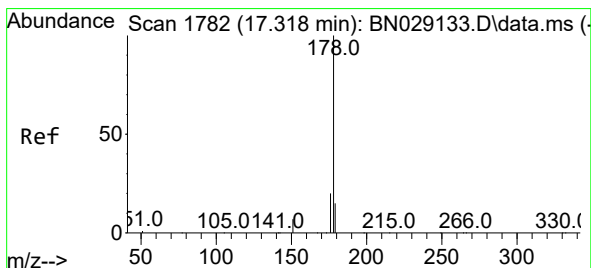
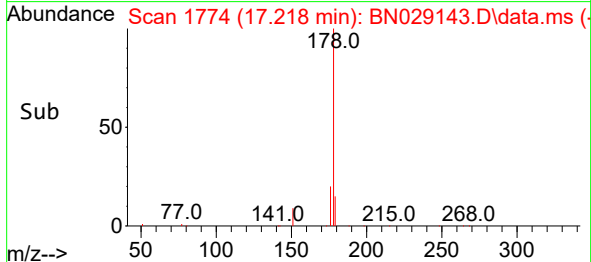
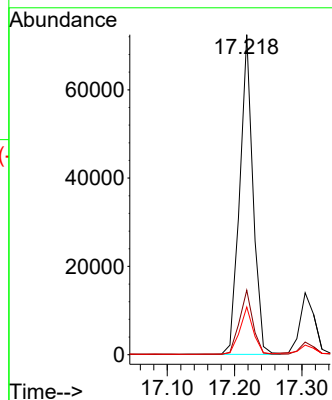
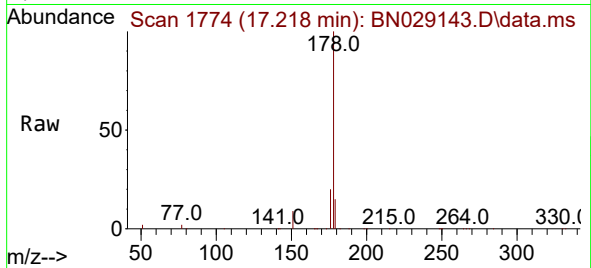




#25
 Phenanthrene
 Concen: 14.399 ng
 RT: 17.218 min Scan# 1774
 Delta R.T. -0.000 min
 Lab File: BN029143.D
 Acq: 20 Dec 2023 20:13

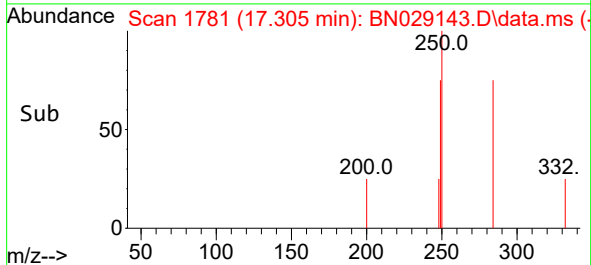
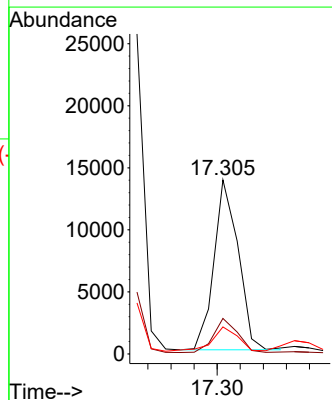
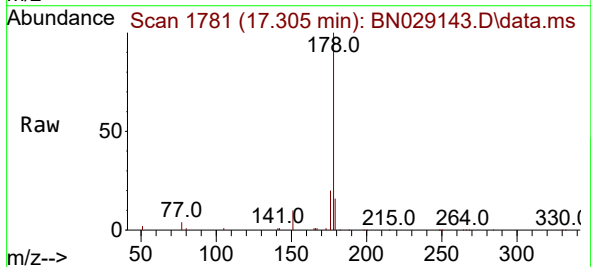
Instrument :
 BNA_N
 ClientSampleId :
 P-13(10-15)RE

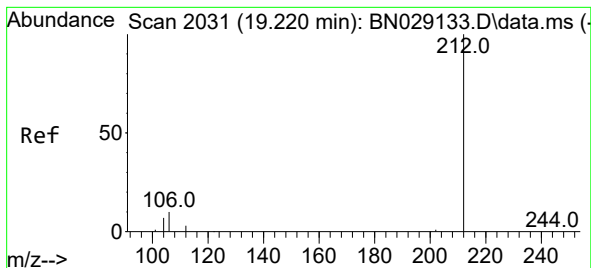
Tgt Ion:178 Resp: 99391
 Ion Ratio Lower Upper
 178 100
 176 20.3 17.4 26.0
 179 15.1 13.7 20.5



#26
 Anthracene
 Concen: 2.998 ng
 RT: 17.305 min Scan# 1781
 Delta R.T. -0.013 min
 Lab File: BN029143.D
 Acq: 20 Dec 2023 20:13

Tgt Ion:178 Resp: 20005
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.8 23.8
 179 15.2 11.4 17.0





#27

Fluoranthene-d10

Concen: 0.202 ng

RT: 19.215 min Scan# 2030

Delta R.T. -0.005 min

Lab File: BN029143.D

Acq: 20 Dec 2023 20:13

Instrument :

BNA_N

ClientSampleId :

P-13(10-15)RE

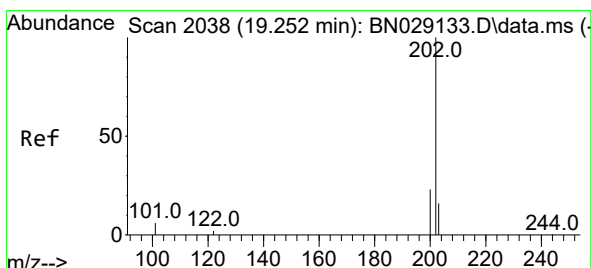
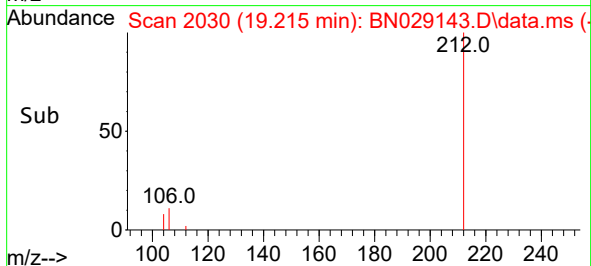
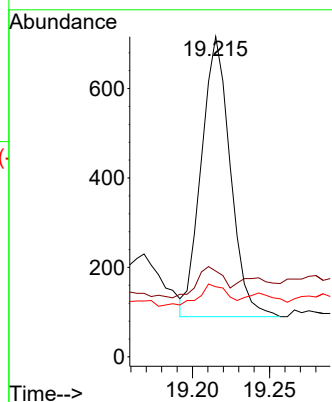
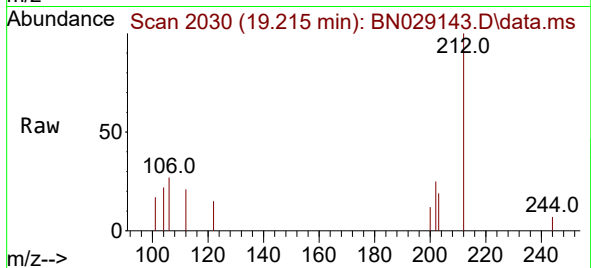
Tgt Ion:212 Resp: 818

Ion Ratio Lower Upper

212 100

106 10.1 9.6 14.4

104 7.5 6.5 9.7



#28

Fluoranthene

Concen: 5.524 ng

RT: 19.243 min Scan# 2036

Delta R.T. -0.010 min

Lab File: BN029143.D

Acq: 20 Dec 2023 20:13

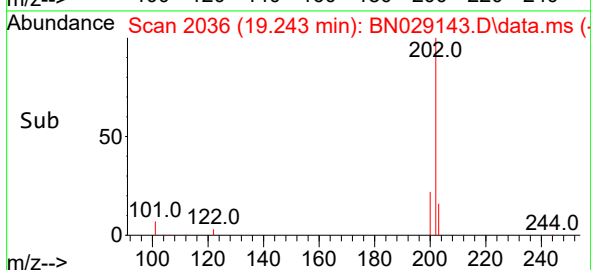
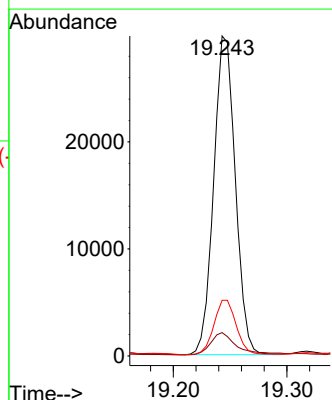
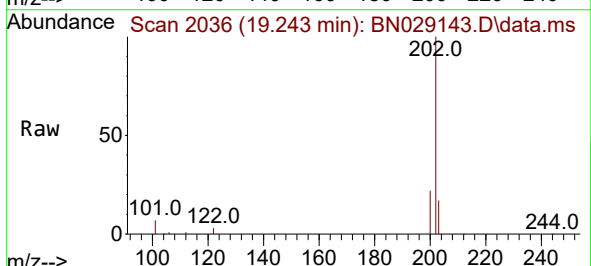
Tgt Ion:202 Resp: 39420

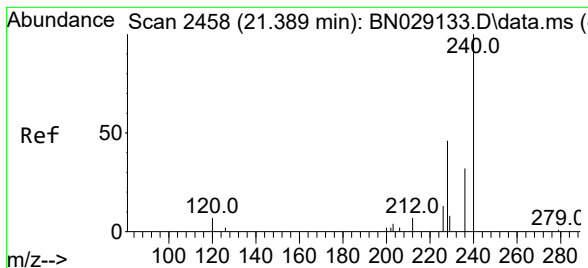
Ion Ratio Lower Upper

202 100

101 8.8 5.3 7.9

203 17.6 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.384 min Scan# 2458

Delta R.T. -0.005 min

Lab File: BN029143.D

Acq: 20 Dec 2023 20:13

Instrument :

BNA_N

ClientSampleId :

P-13(10-15)RE

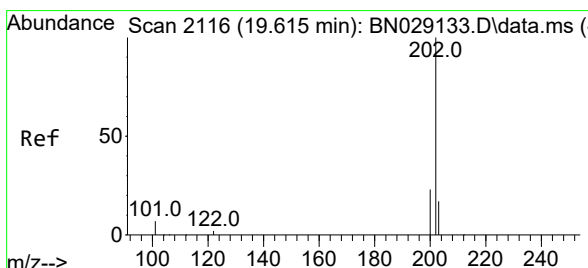
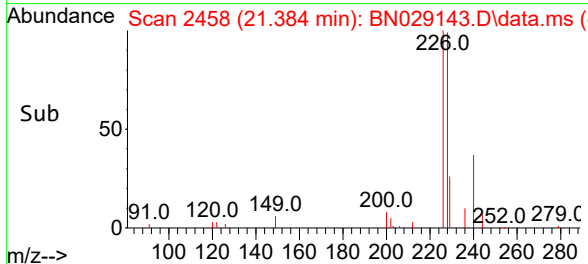
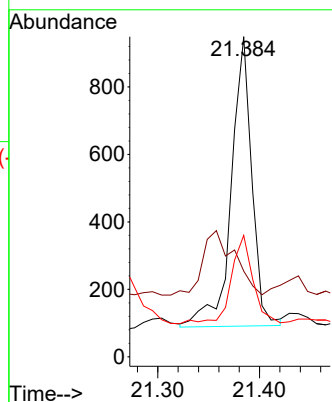
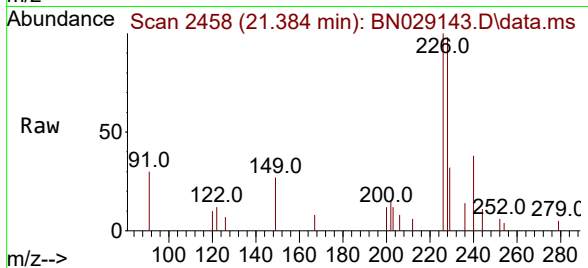
Tgt Ion:240 Resp: 1211

Ion Ratio Lower Upper

240 100

120 26.8 21.4 32.0

236 37.9 33.5 50.3



#30

Pyrene

Concen: 6.628 ng

RT: 19.610 min Scan# 2115

Delta R.T. -0.005 min

Lab File: BN029143.D

Acq: 20 Dec 2023 20:13

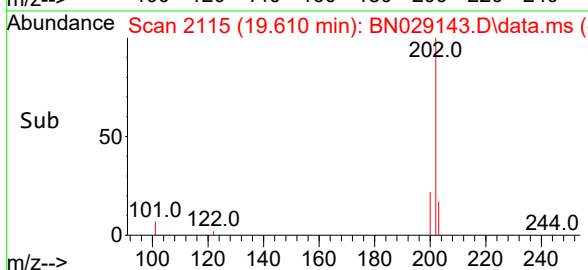
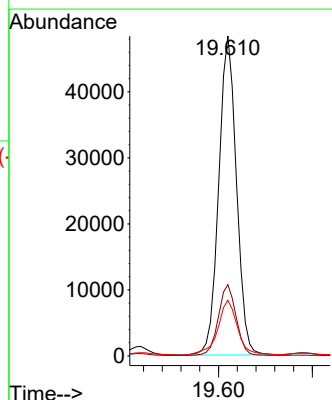
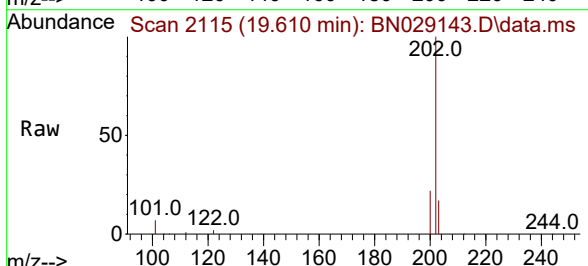
Tgt Ion:202 Resp: 63227

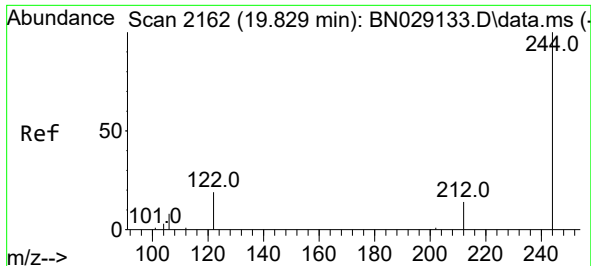
Ion Ratio Lower Upper

202 100

200 22.3 18.0 27.0

203 19.1 15.1 22.7

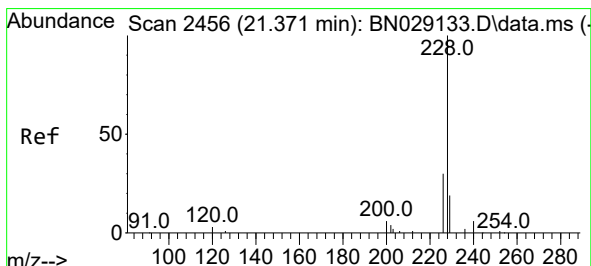
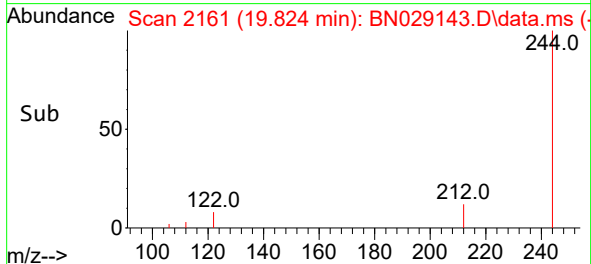
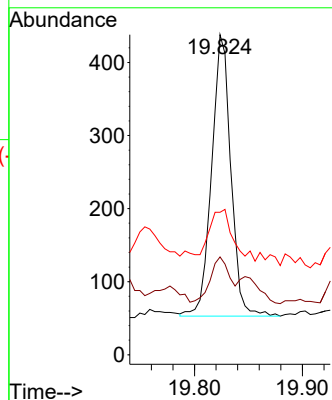
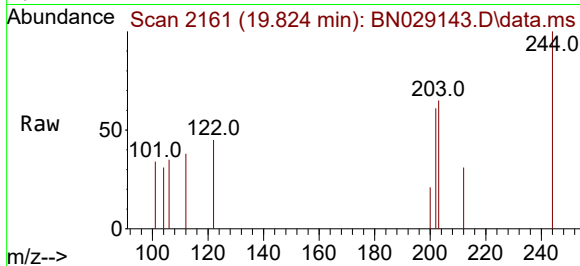




#31
Terphenyl-d14
Concen: 0.143 ng
RT: 19.824 min Scan# 2162
Delta R.T. -0.005 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

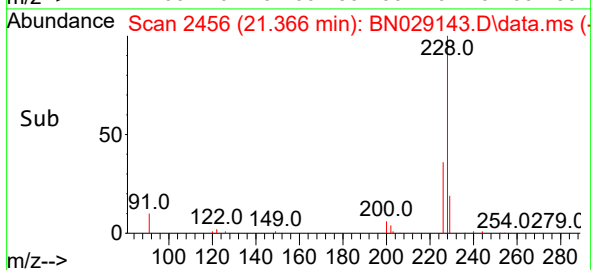
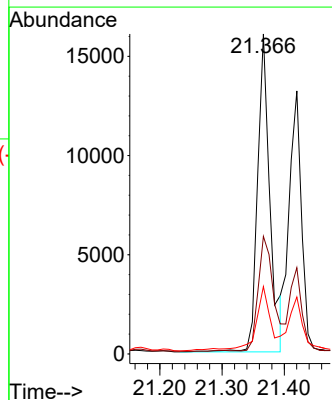
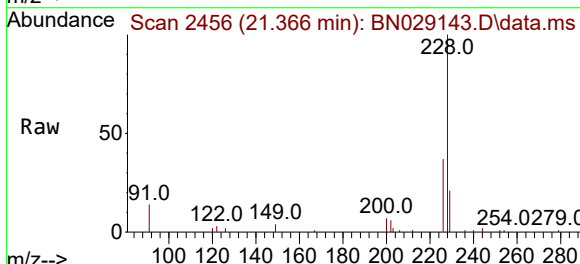
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE

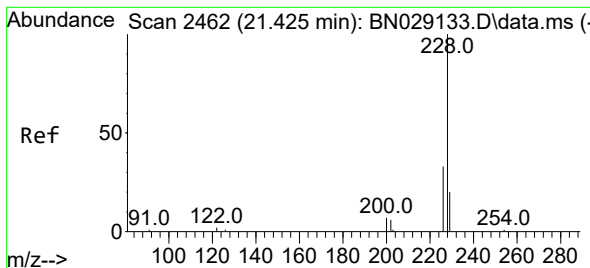
Tgt Ion:244 Resp: 477
Ion Ratio Lower Upper
244 100
212 30.6 19.0 28.6#
122 44.5 22.5 33.7#



#32
Benzo(a)anthracene
Concen: 3.333 ng
RT: 21.366 min Scan# 2456
Delta R.T. -0.005 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

Tgt Ion:228 Resp: 22195
Ion Ratio Lower Upper
228 100
226 36.8 27.6 41.4
229 21.0 19.4 29.0





#33

Chrysene

Concen: 2.708 ng

RT: 21.420 min Scan# 2462

Delta R.T. -0.005 min

Lab File: BN029143.D

Acq: 20 Dec 2023 20:13

Instrument :

BNA_N

ClientSampleId :

P-13(10-15)RE

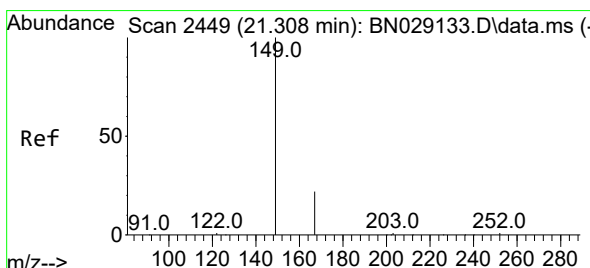
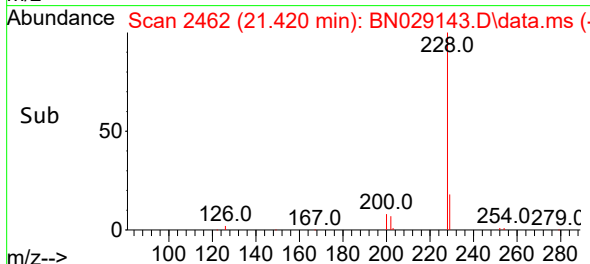
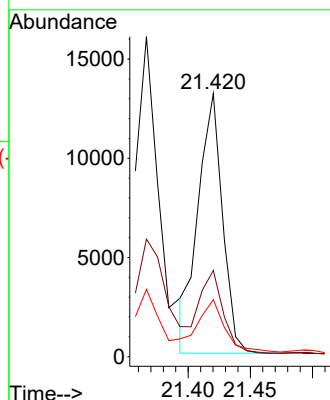
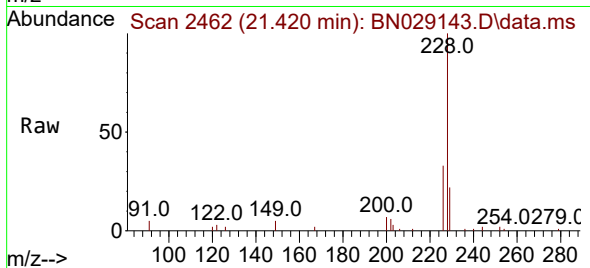
Tgt Ion:228 Resp: 17831

Ion Ratio Lower Upper

228 100

226 32.8 29.2 43.8

229 21.6 19.3 28.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.105 ng

RT: 21.313 min Scan# 2450

Delta R.T. 0.004 min

Lab File: BN029143.D

Acq: 20 Dec 2023 20:13

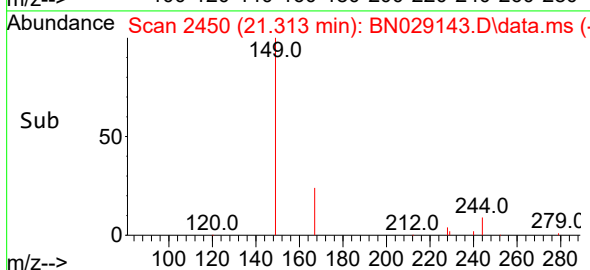
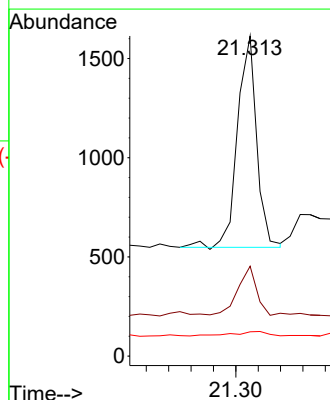
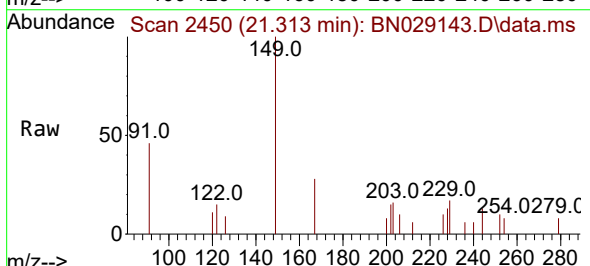
Tgt Ion:149 Resp: 1277

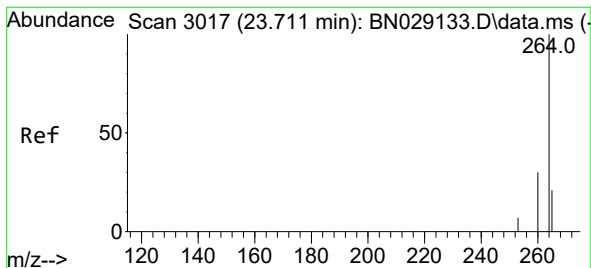
Ion Ratio Lower Upper

149 100

167 22.6 20.2 30.2

279 3.8 2.5 3.7#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.703 min Scan# 3017

Delta R.T. -0.008 min

Lab File: BN029143.D

Acq: 20 Dec 2023 20:13

Instrument :

BNA_N

ClientSampleId :

P-13(10-15)RE

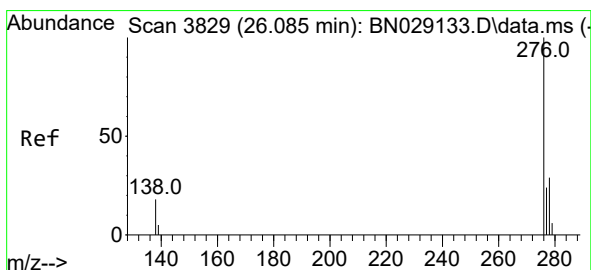
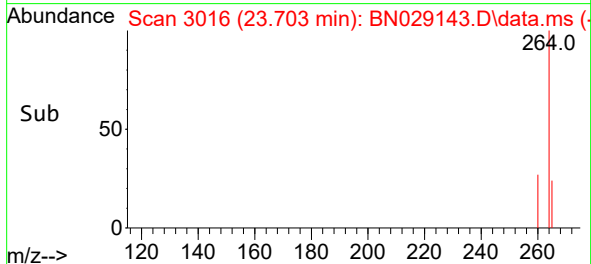
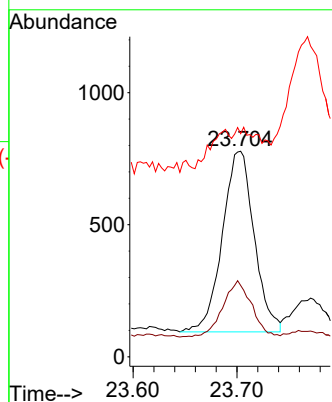
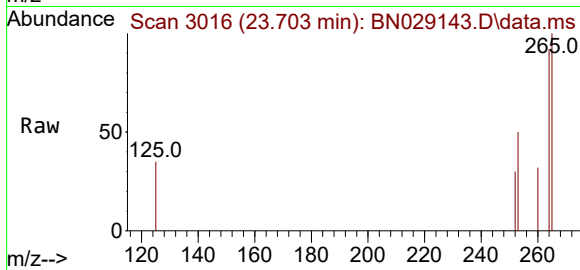
Tgt Ion:264 Resp: 1457

Ion Ratio Lower Upper

264 100

260 34.7 31.0 46.6

265 108.6 105.3 157.9



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.071 ng

RT: 26.072 min Scan# 3826

Delta R.T. -0.013 min

Lab File: BN029143.D

Acq: 20 Dec 2023 20:13

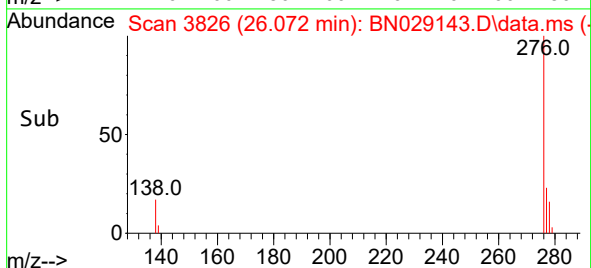
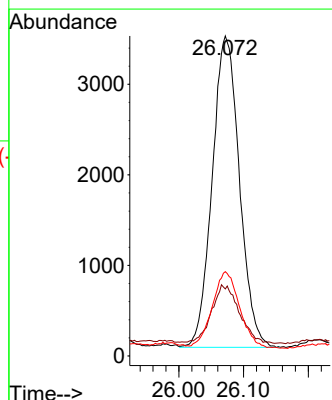
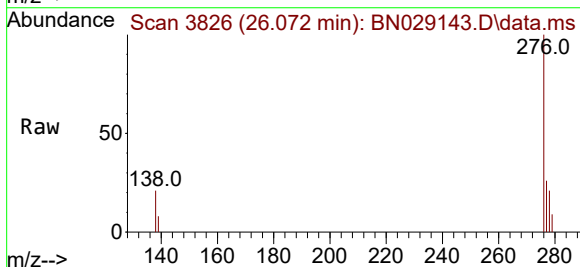
Tgt Ion:276 Resp: 10052

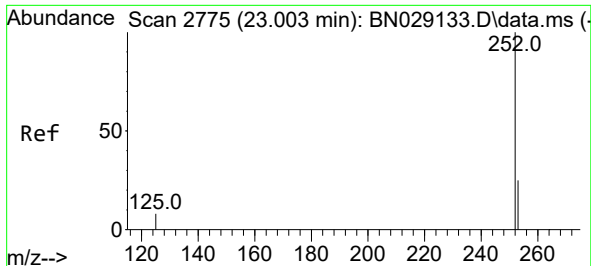
Ion Ratio Lower Upper

276 100

138 19.0 7.8 11.6#

277 25.1 9.2 13.8#





#37

Benzo(b)fluoranthene

Concen: 2.636 ng

RT: 23.002 min Scan# 21

Delta R.T. -0.002 min

Lab File: BN029143.D

Acq: 20 Dec 2023 20:13

Instrument :

BNA_N

ClientSampleId :

P-13(10-15)RE

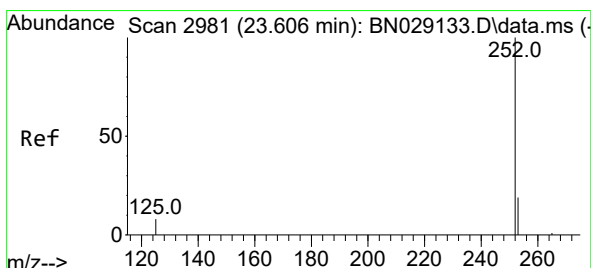
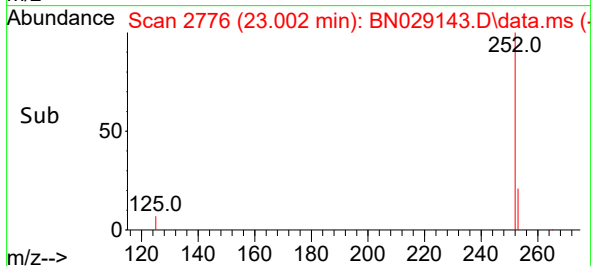
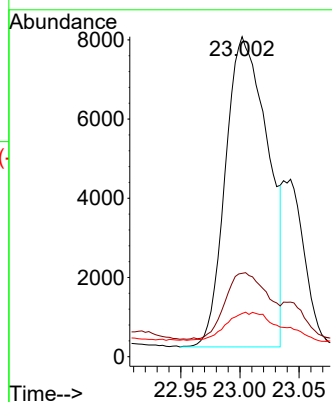
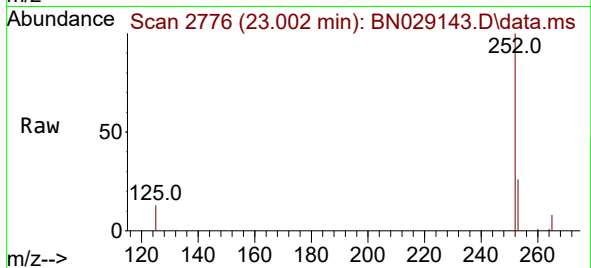
Tgt Ion:252 Resp: 19530

Ion Ratio Lower Upper

252 100

253 26.1 36.0 54.0#

125 13.5 14.6 21.8#



#39

Benzo(a)pyrene

Concen: 2.940 ng

RT: 23.598 min Scan# 2980

Delta R.T. -0.007 min

Lab File: BN029143.D

Acq: 20 Dec 2023 20:13

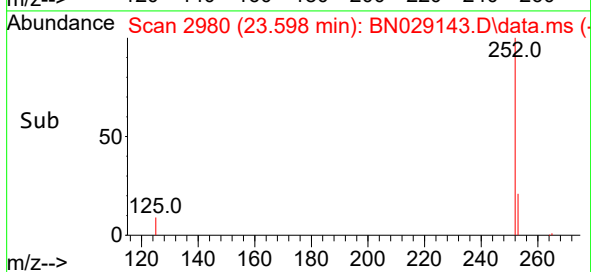
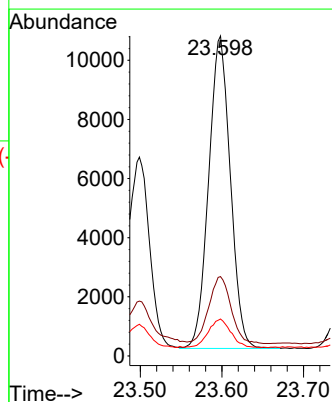
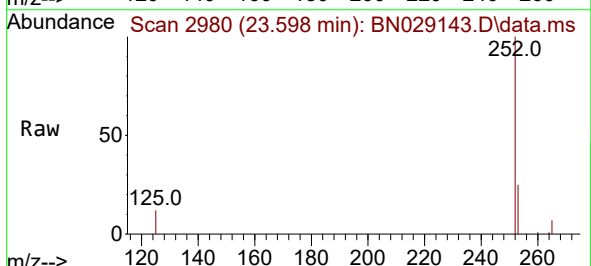
Tgt Ion:252 Resp: 19442

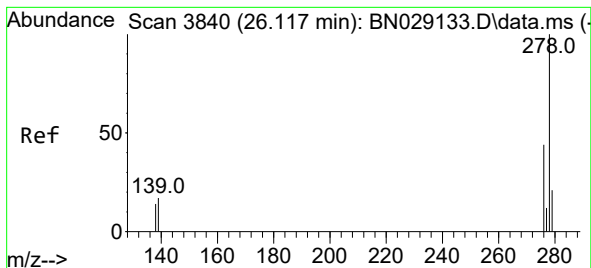
Ion Ratio Lower Upper

252 100

253 24.8 40.3 60.5#

125 11.5 16.7 25.1#





#40

Dibenzo(a,h)anthracene

Concen: 0.399 ng

RT: 26.083 min Scan# 3840

Delta R.T. -0.034 min

Lab File: BN029143.D

Acq: 20 Dec 2023 20:13

Instrument :

BNA_N

ClientSampleId :

P-13(10-15)RE

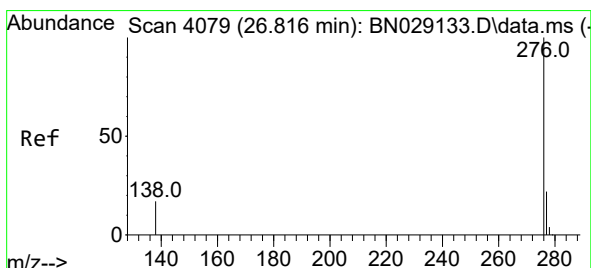
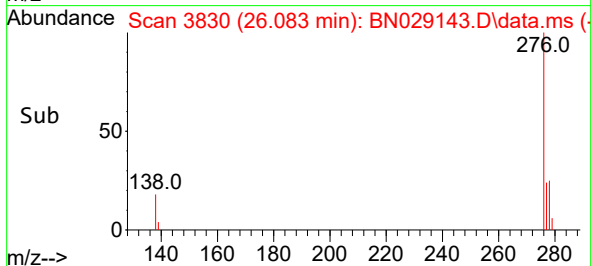
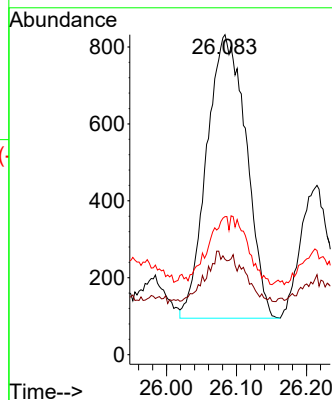
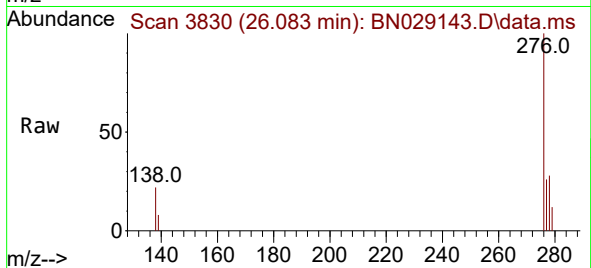
Tgt Ion:278 Resp: 2881

Ion Ratio Lower Upper

278 100

139 29.8 24.2 36.2

279 43.1 34.9 52.3



#41

Benzo(g,h,i)perylene

Concen: 0.420 ng

RT: 27.191 min Scan# 4209

Delta R.T. 0.376 min

Lab File: BN029143.D

Acq: 20 Dec 2023 20:13

Tgt Ion:276 Resp: 3337

Ion Ratio Lower Upper

276 100

277 30.8 25.5 38.3

138 29.2 22.9 34.3

