

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052324\
 Data File : BF138036.D
 Acq On : 23 May 2024 19:31
 Operator : CG\JU
 Sample : P2558-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: May 24 01:26:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

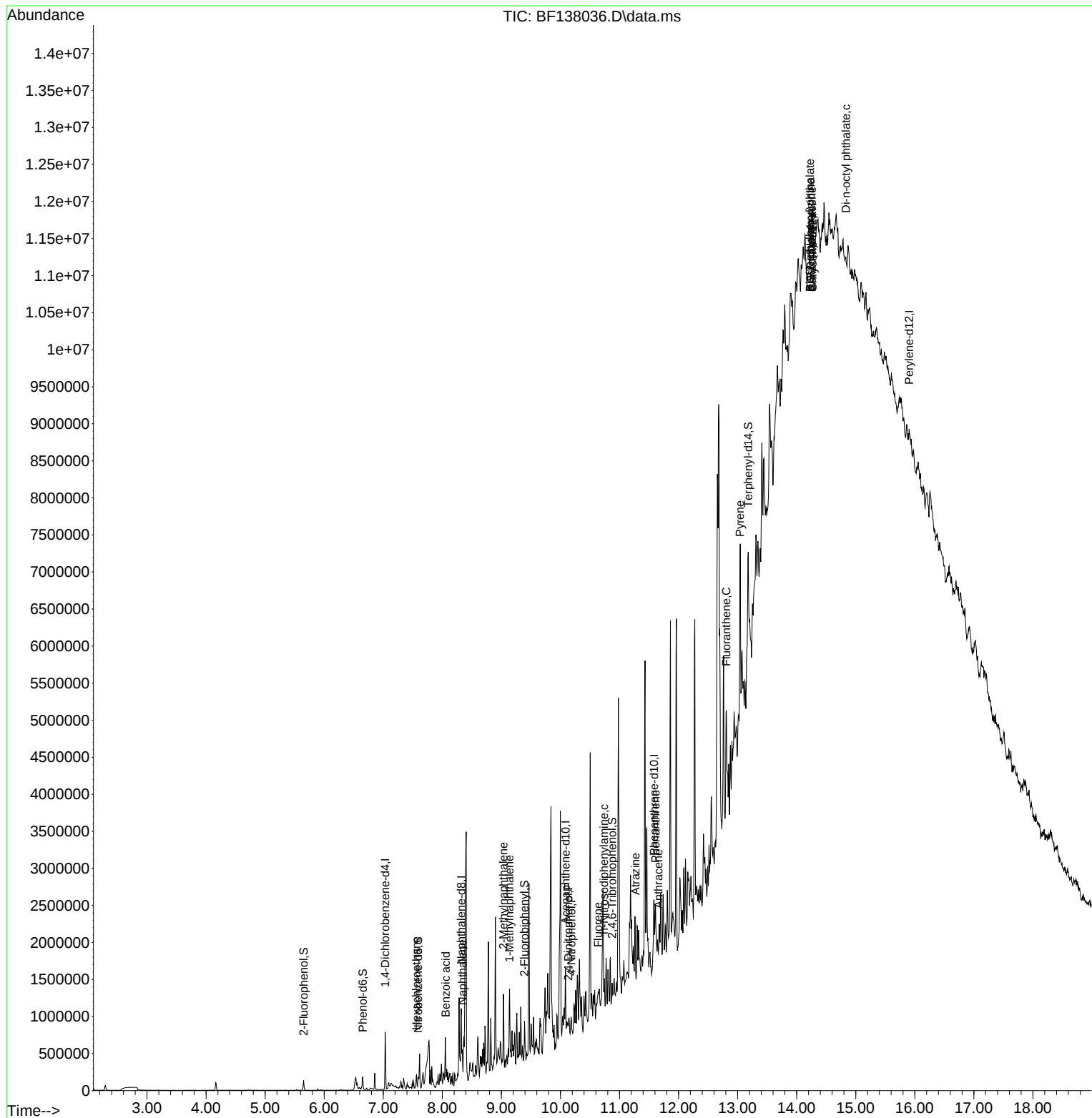
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	107049	20.000	ng	-0.01
21) Naphthalene-d8	8.322	136	357770	20.000	ng	0.00
39) Acenaphthene-d10	10.086	164	175918	20.000	ng	0.00
64) Phenanthrene-d10	11.586	188	288228	20.000	ng	0.00
76) Chrysene-d12	14.268	240	122822	20.000	ng	# 0.04
86) Perylene-d12	15.904	264	145466	20.000	ng	# 0.12
System Monitoring Compounds						
5) 2-Fluorophenol	5.651	112	36320	5.763	ng	-0.01
7) Phenol-d6	6.651	99	71456	9.205	ng	0.00
23) Nitrobenzene-d5	7.592	82	32698	5.379	ng	-0.02
42) 2,4,6-Tribromophenol	10.875	330	29352	16.548	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	122624	10.737	ng	0.00
79) Terphenyl-d14	13.180	244	132653	15.918	ng	0.02
Target Compounds						Qvalue
18) Hexachloroethane	7.563	117	8131	3.034	ng	# 1
31) Naphthalene	8.339	128	96763	5.379	ng	# 96
32) Benzoic acid	8.057	122	11856	3.515	ng	# 66
37) 2-Methylnaphthalene	9.034	142	281274	24.325	ng	99
38) 1-Methylnaphthalene	9.134	142	164201	14.444	ng	99
54) 2,4-Dinitrophenol	10.133	184	207	7.106	ng	# 1
56) 4-Nitrophenol	10.186	139	6408	3.605	ng	# 20
58) Fluorene	10.639	166	29925	2.777	ng	# 33
66) n-Nitrosodiphenylamine	10.739	169	34125	3.861	ng	# 51
69) Atrazine	11.269	200	5348	2.216	ng	# 59
71) Phenanthrene	11.610	178	113642	8.001	ng	# 90
72) Anthracene	11.657	178	42995	3.051	ng	# 81
75) Fluoranthene	12.810	202	41683	2.891	ng	75
78) Pyrene	13.039	202	101059	9.407	ng	# 94
81) Benzo(a)anthracene	14.257	228	17713	2.280	ng	# 29
82) 3,3'-Dichlorobenzidine	14.239	252	13950	6.478	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.227	149	37998	9.329	ng	# 27
85) Di-n-octyl phthalate	14.833	149	16056	2.918	ng	# 1

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

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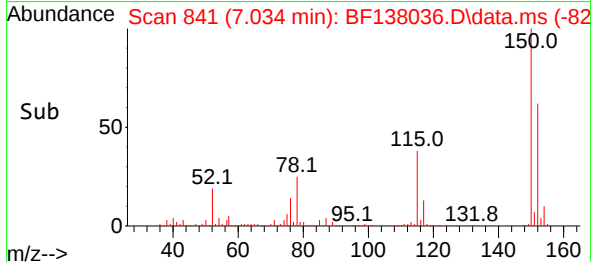
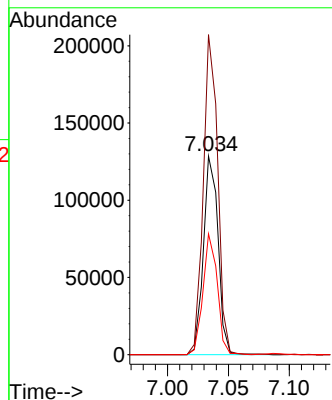
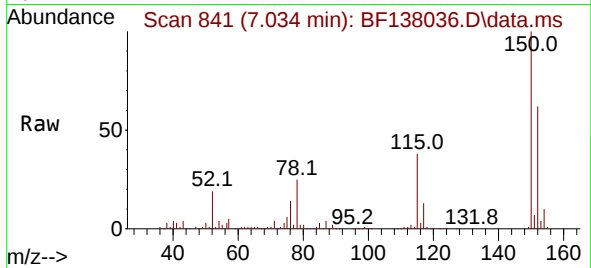




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.011 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

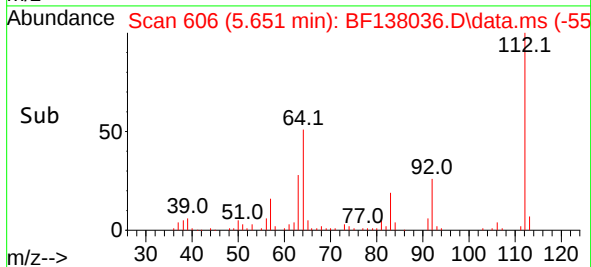
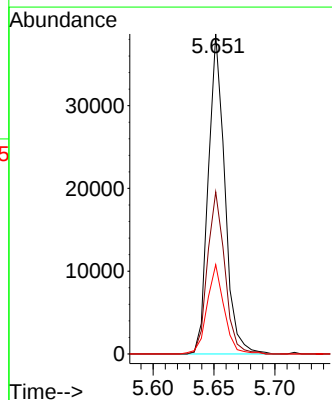
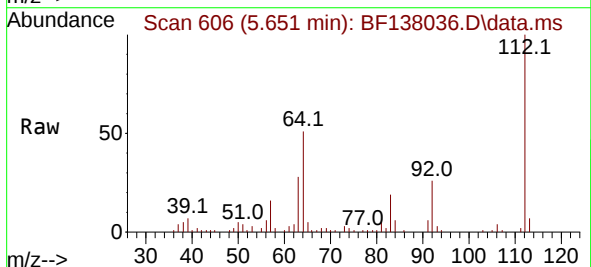
Instrument :
BNA_F
ClientSampleId :
COMP-1

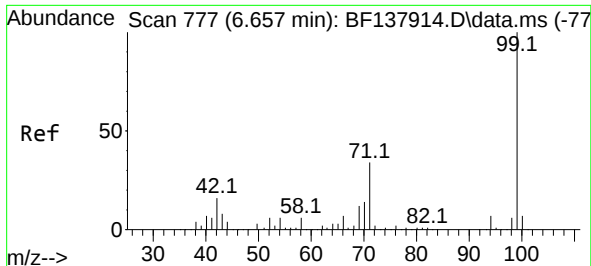
Tgt Ion:152 Resp: 107049
Ion Ratio Lower Upper
152 100
150 161.2 125.7 188.5
115 60.9 47.0 70.6



#5
2-Fluorophenol
Concen: 5.763 ng
RT: 5.651 min Scan# 606
Delta R.T. -0.012 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

Tgt Ion:112 Resp: 36320
Ion Ratio Lower Upper
112 100
64 50.7 42.4 63.6
63 27.9 21.4 32.2

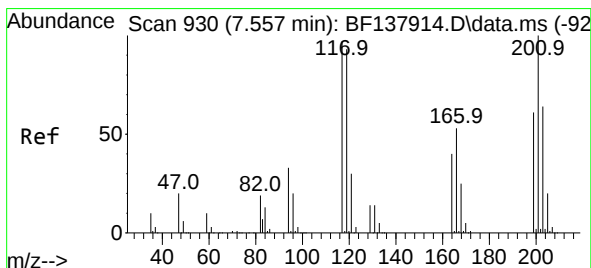
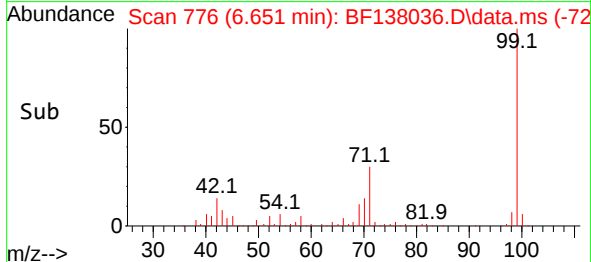
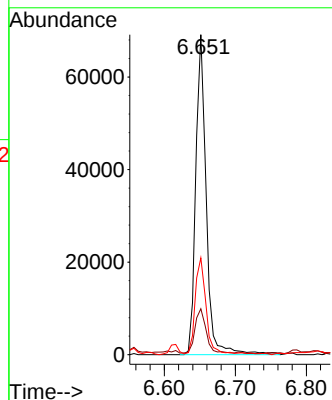
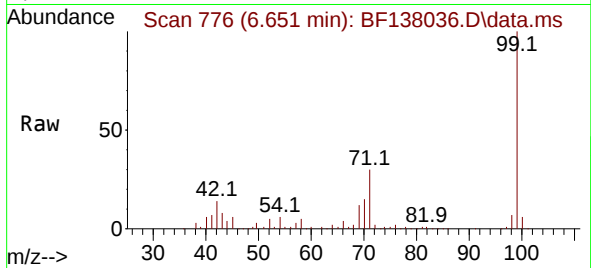




#7
Phenol-d6
Concen: 9.205 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

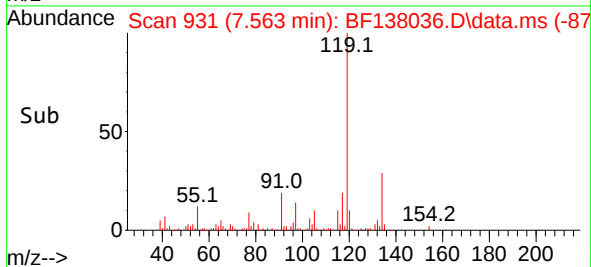
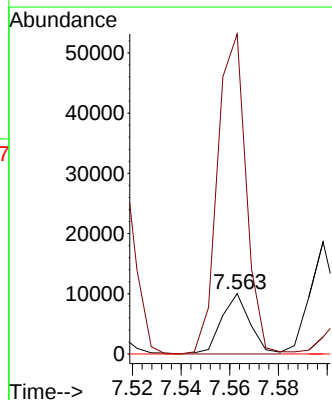
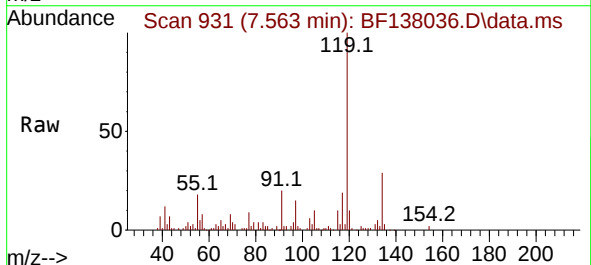
Instrument :
BNA_F
ClientSampleId :
COMP-1

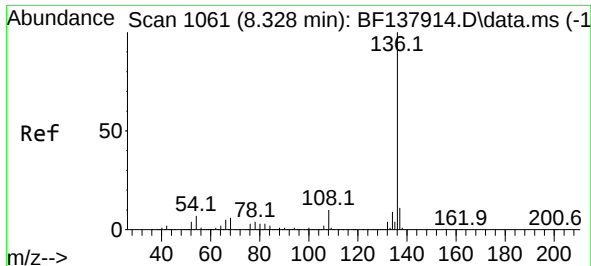
Tgt Ion: 99 Resp: 71456
Ion Ratio Lower Upper
99 100
42 14.4 12.6 18.8
71 30.2 27.1 40.7



#18
Hexachloroethane
Concen: 3.034 ng
RT: 7.563 min Scan# 931
Delta R.T. 0.006 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

Tgt Ion: 117 Resp: 8131
Ion Ratio Lower Upper
117 100
119 530.0 76.8 115.2#
201 0.0 82.7 124.1#



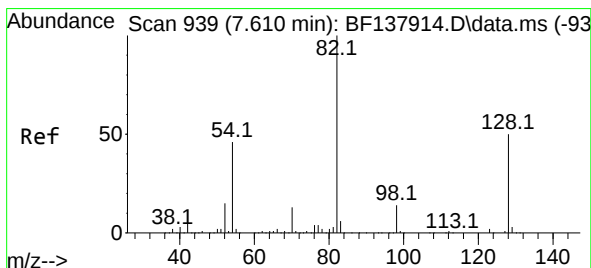
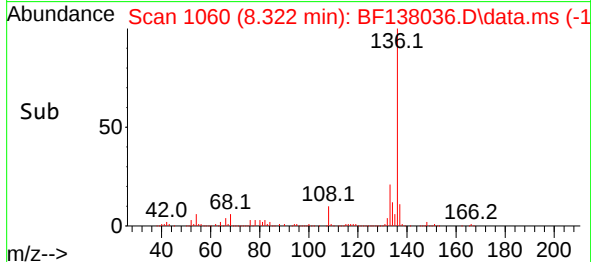
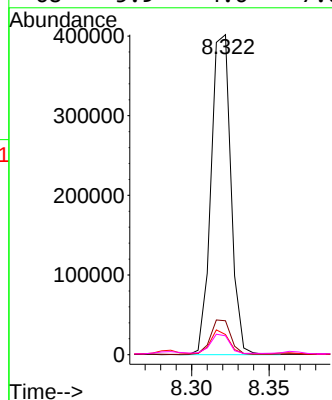
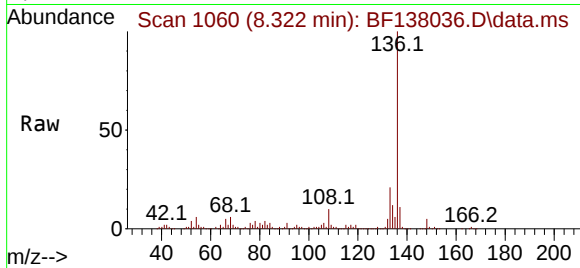


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:136 Resp: 357770

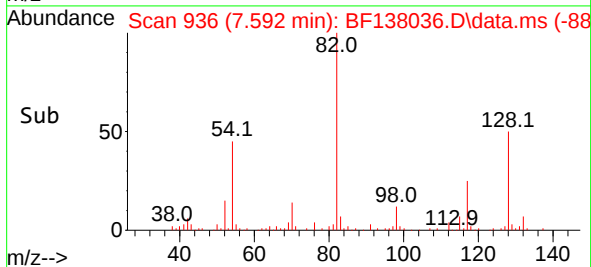
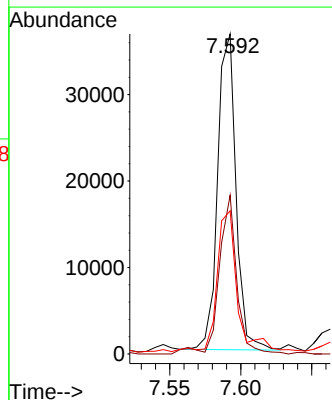
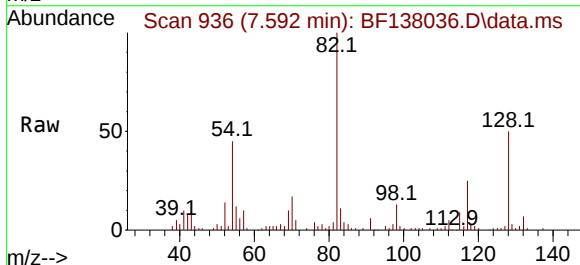
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	6.3	5.4	8.2
68	5.9	4.6	7.0

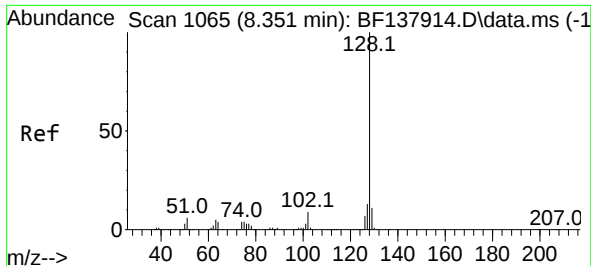


#23
Nitrobenzene-d5
Concen: 5.379 ng
RT: 7.592 min Scan# 936
Delta R.T. -0.018 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

Tgt Ion: 82 Resp: 32698

Ion	Ratio	Lower	Upper
82	100		
128	49.6	40.3	60.5
54	44.7	36.8	55.2

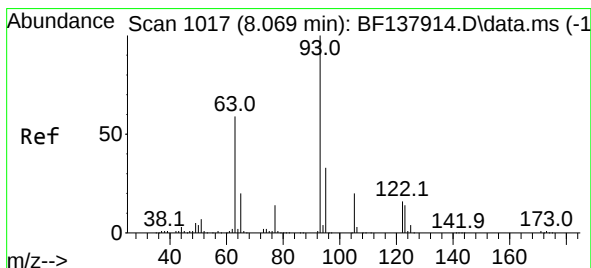
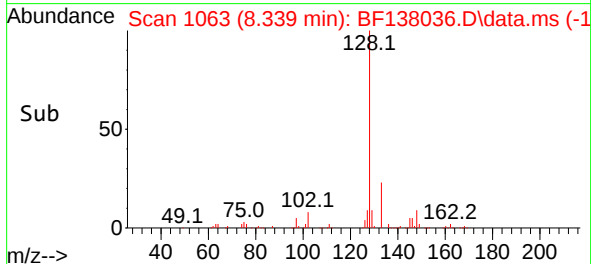
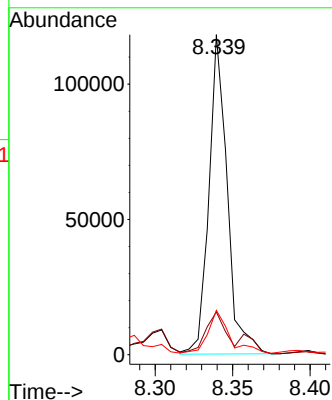
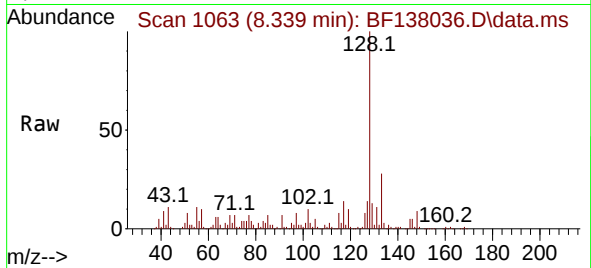




#31
Naphthalene
Concen: 5.379 ng
RT: 8.339 min Scan# 1063
Delta R.T. -0.012 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

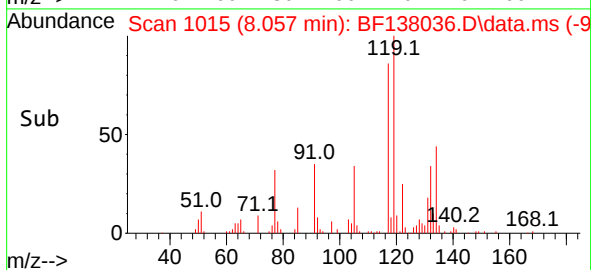
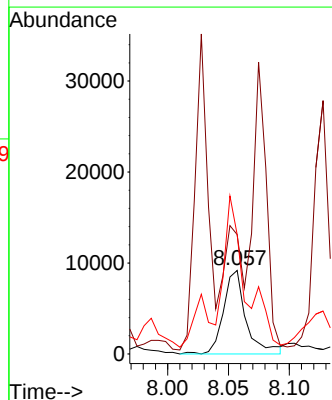
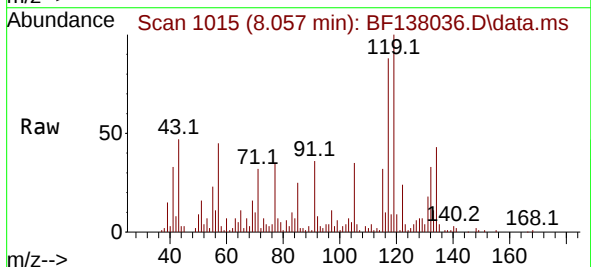
Instrument :
BNA_F
ClientSampleId :
COMP-1

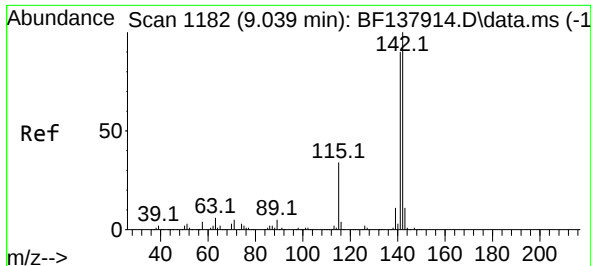
Tgt Ion:128 Resp: 96763
Ion Ratio Lower Upper
128 100
129 13.4 8.7 13.1#
127 13.8 10.6 16.0



#32
Benzoic acid
Concen: 3.515 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

Tgt Ion:122 Resp: 11856
Ion Ratio Lower Upper
122 100
105 142.8 103.8 143.8
77 142.8 68.4 108.4#





#37

2-Methylnaphthalene

Concen: 24.325 ng

RT: 9.034 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF138036.D

Acq: 23 May 2024 19:31

Instrument :

BNA_F

ClientSampleId :

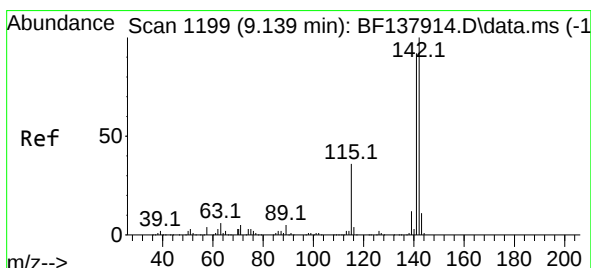
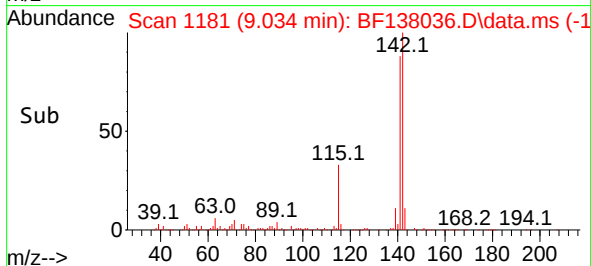
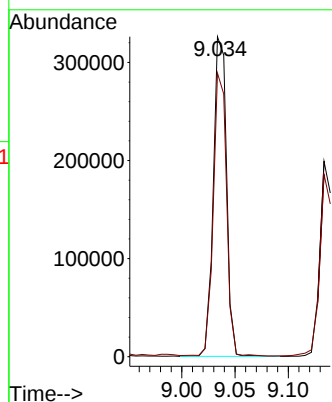
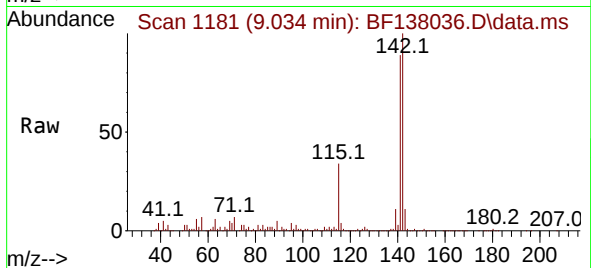
COMP-1

Tgt Ion:142 Resp: 281274

Ion Ratio Lower Upper

142 100

141 88.6 72.0 108.0



#38

1-Methylnaphthalene

Concen: 14.444 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF138036.D

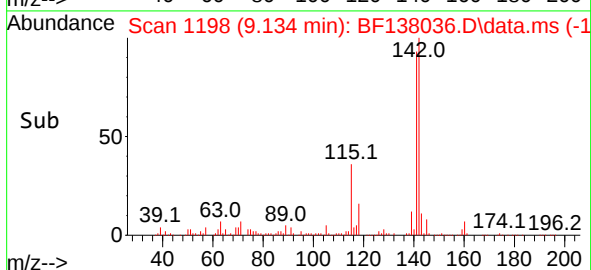
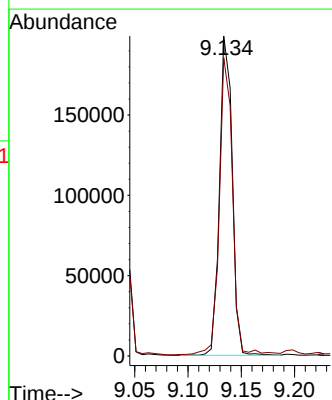
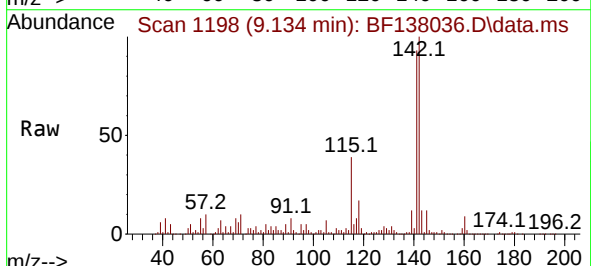
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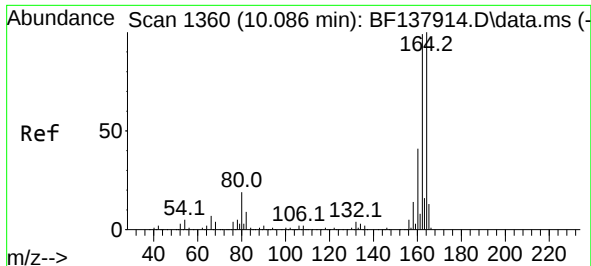
Tgt Ion:142 Resp: 164201

Ion Ratio Lower Upper

142 100

141 93.3 73.7 110.5

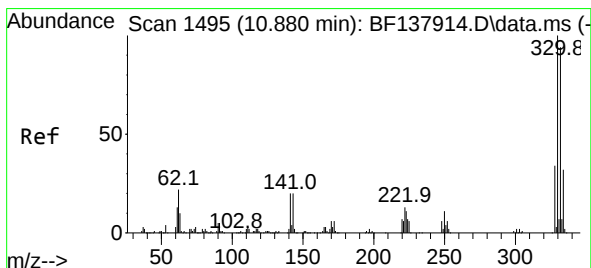
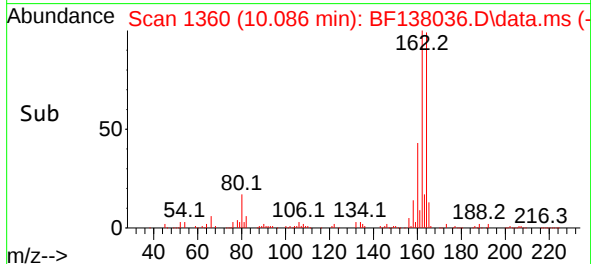
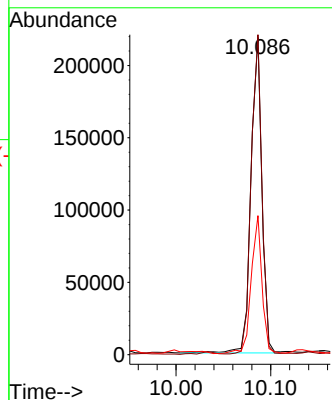
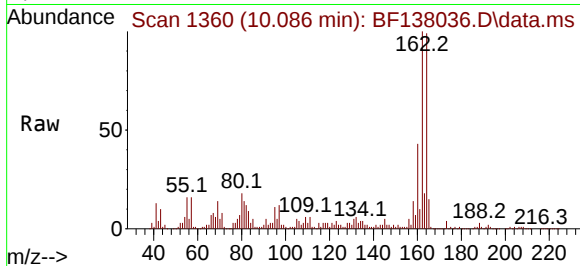




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.086 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

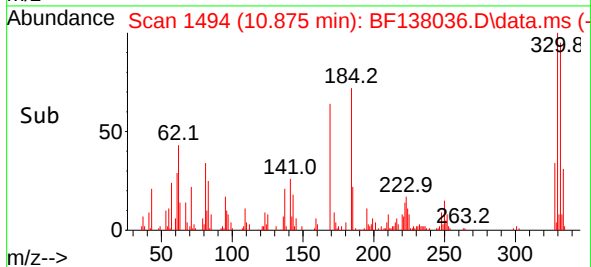
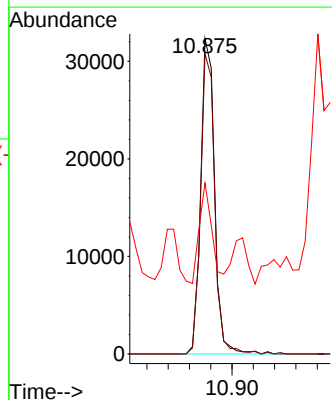
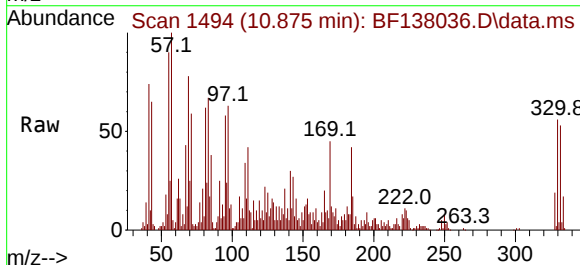
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COMP-1

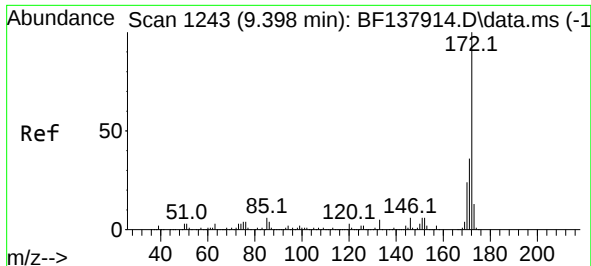
Tgt Ion:164 Resp: 175918
Ion Ratio Lower Upper
164 100
162 100.8 79.4 119.2
160 43.8 33.1 49.7



#42
2,4,6-Tribromophenol
Concen: 16.548 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

Tgt Ion:330 Resp: 29352
Ion Ratio Lower Upper
330 100
332 96.4 75.8 113.8
141 28.7 23.8 35.6





#45

2-Fluorobiphenyl

Concen: 10.737 ng

RT: 9.392 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138036.D

Acq: 23 May 2024 19:31

Instrument :

BNA_F

ClientSampleId :

COMP-1

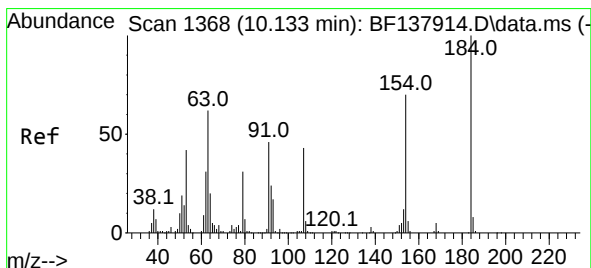
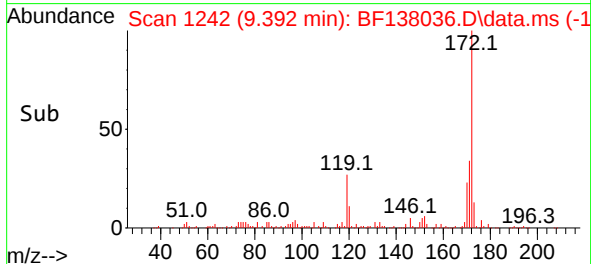
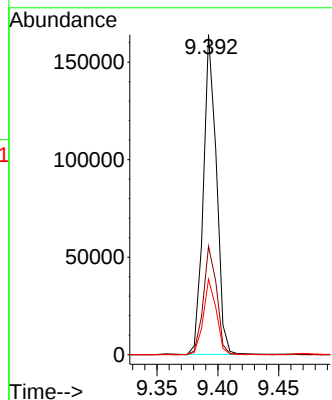
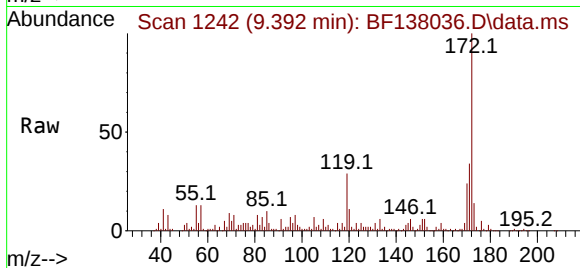
Tgt Ion:172 Resp: 122624

Ion Ratio Lower Upper

172 100

171 33.9 28.9 43.3

170 23.6 18.9 28.3



#54

2,4-Dinitrophenol

Concen: 7.106 ng

RT: 10.133 min Scan# 1368

Delta R.T. 0.000 min

Lab File: BF138036.D

Acq: 23 May 2024 19:31

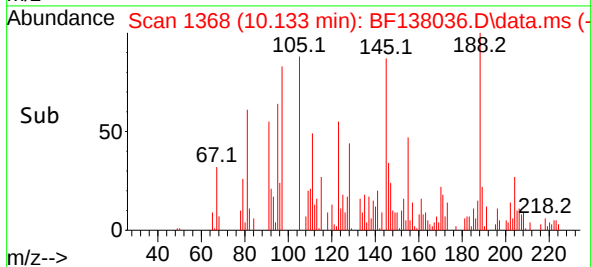
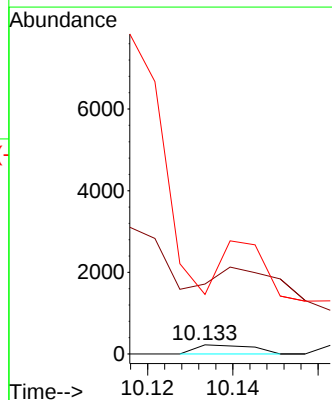
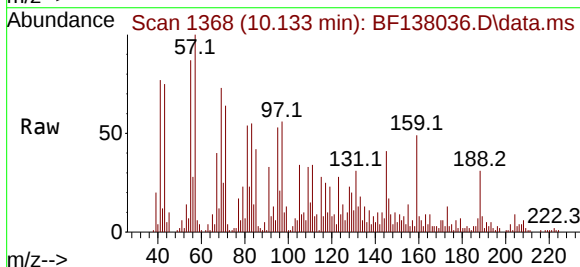
Tgt Ion:184 Resp: 207

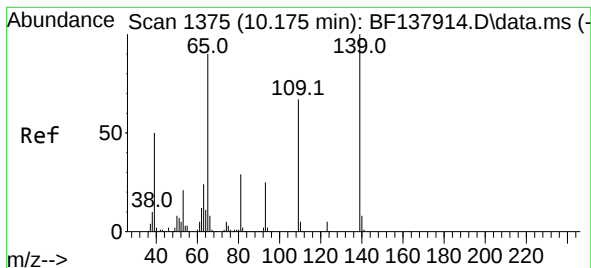
Ion Ratio Lower Upper

184 100

63 767.7 50.4 75.6#

154 653.4 63.7 95.5#

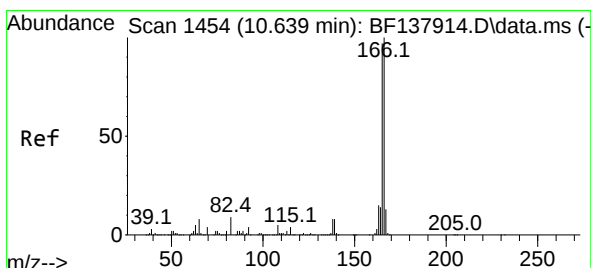
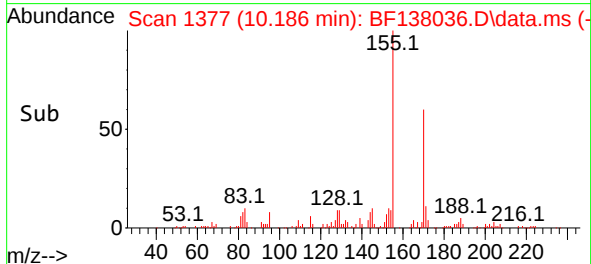
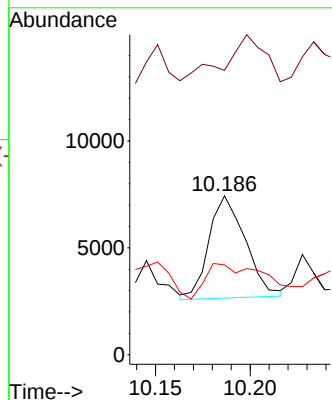
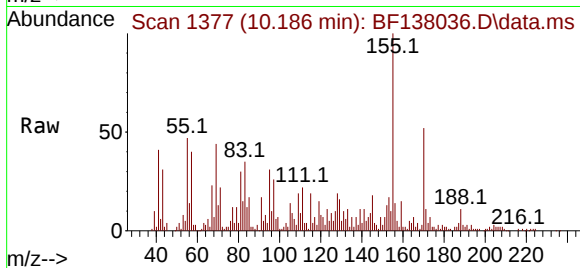




#56
4-Nitrophenol
Concen: 3.605 ng
RT: 10.186 min Scan# 1377
Delta R.T. 0.012 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

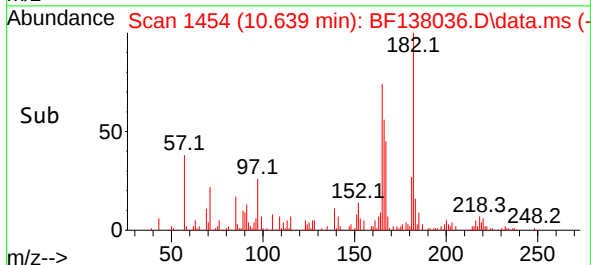
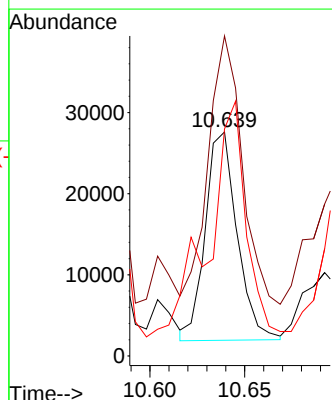
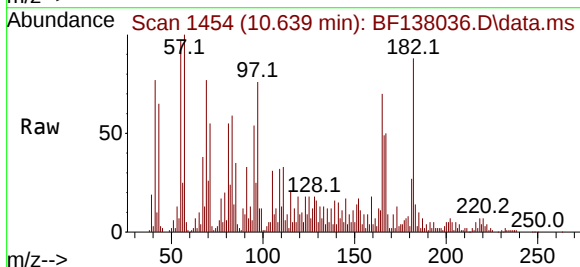
Instrument :
BNA_F
ClientSampleId :
COMP-1

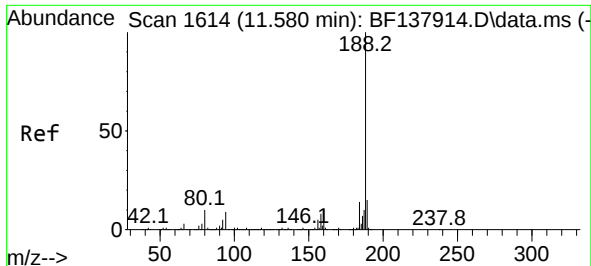
Tgt Ion:139 Resp: 6408
Ion Ratio Lower Upper
139 100
109 178.9 46.5 86.5#
65 56.5 70.4 110.4#



#58
Fluorene
Concen: 2.777 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

Tgt Ion:166 Resp: 29925
Ion Ratio Lower Upper
166 100
165 142.9 77.8 116.8#
167 101.4 10.4 15.6#

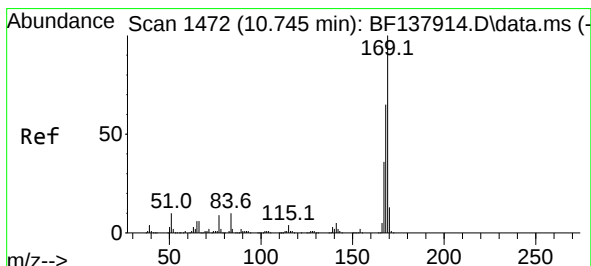
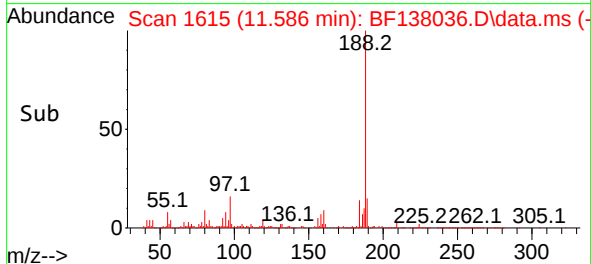
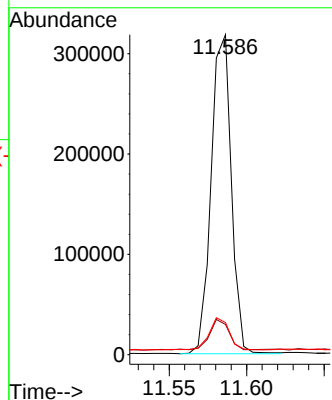
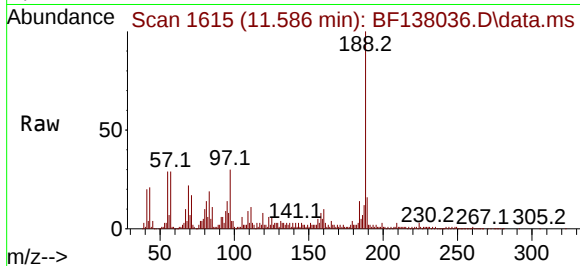




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

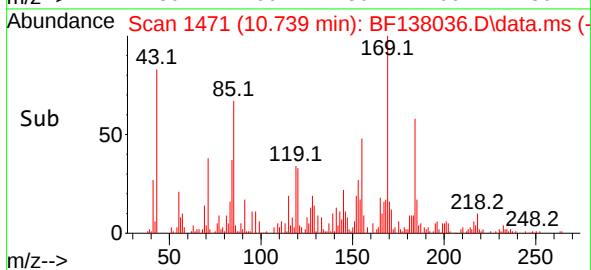
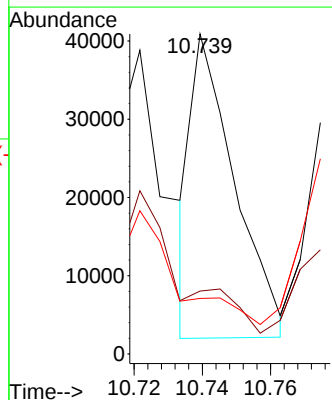
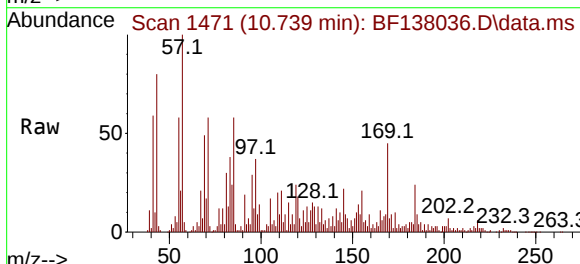
Instrument :
BNA_F
ClientSampleId :
COMP-1

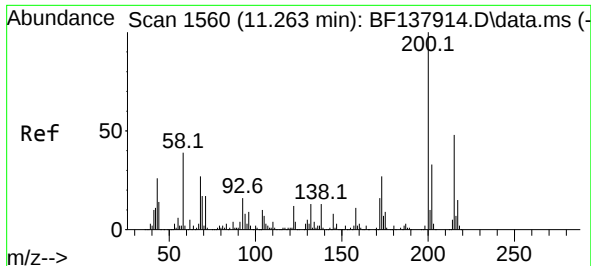
Tgt Ion:188 Resp: 288228
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.4
80 10.1 7.7 11.5



#66
n-Nitrosodiphenylamine
Concen: 3.861 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.006 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

Tgt Ion:169 Resp: 34125
Ion Ratio Lower Upper
169 100
168 19.6 52.4 78.6#
167 17.3 28.9 43.3#

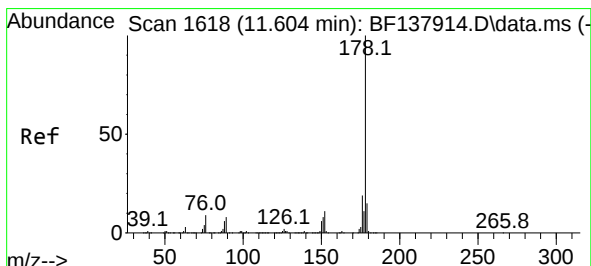
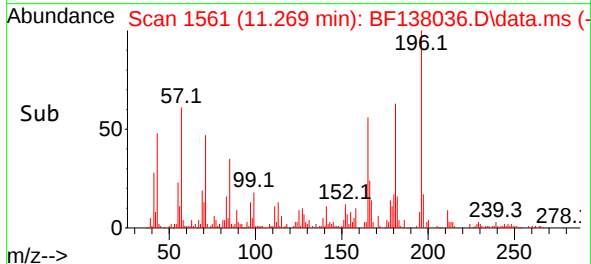
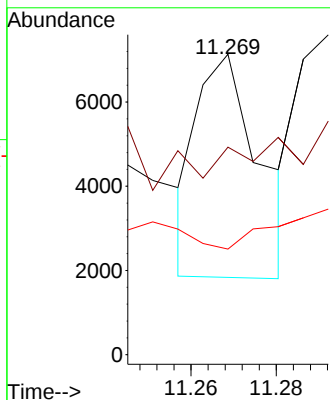
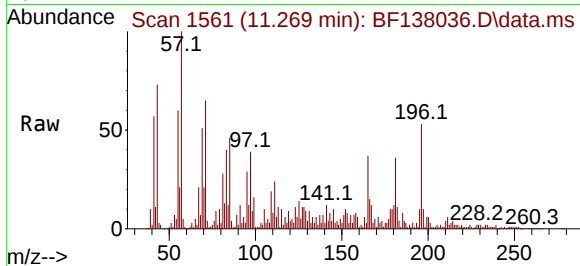




#69
 Atrazine
 Concen: 2.216 ng
 RT: 11.269 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF138036.D
 Acq: 23 May 2024 19:31

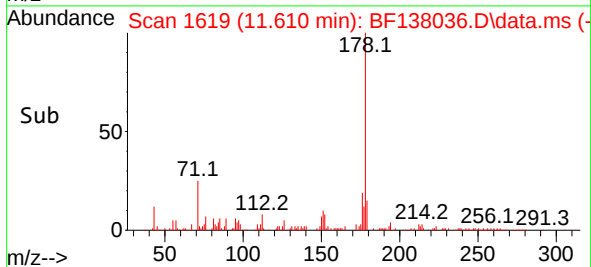
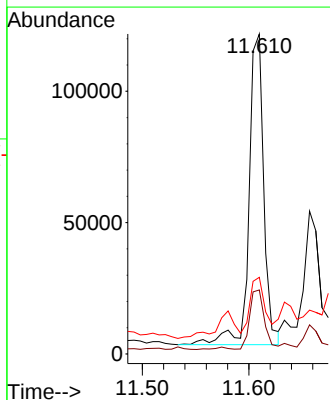
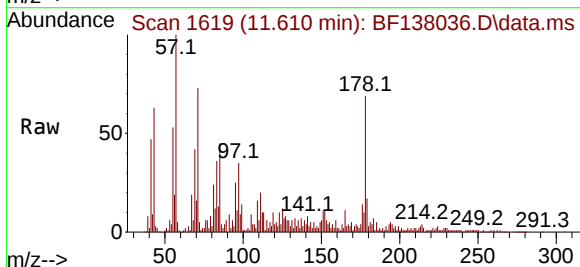
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

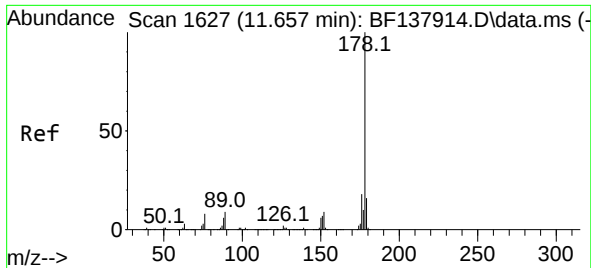
Tgt Ion:200 Resp: 5348
 Ion Ratio Lower Upper
 200 100
 173 69.1 6.6 46.6#
 215 35.2 27.5 67.5



#71
 Phenanthrene
 Concen: 8.001 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. 0.006 min
 Lab File: BF138036.D
 Acq: 23 May 2024 19:31

Tgt Ion:178 Resp: 113642
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.2 22.8
 179 24.0 12.2 18.4#

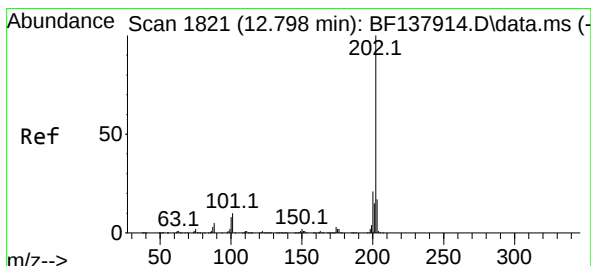
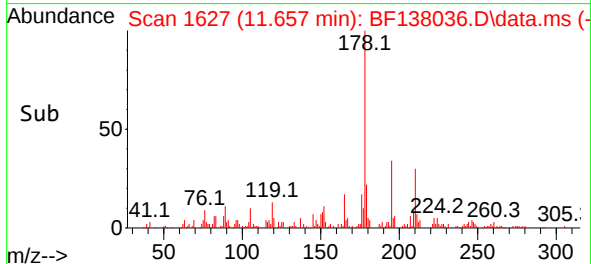
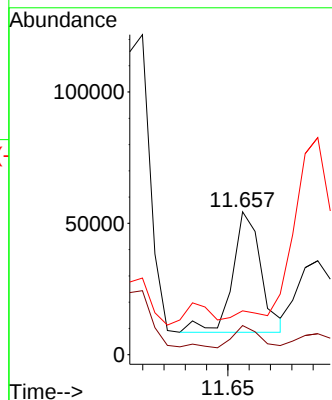
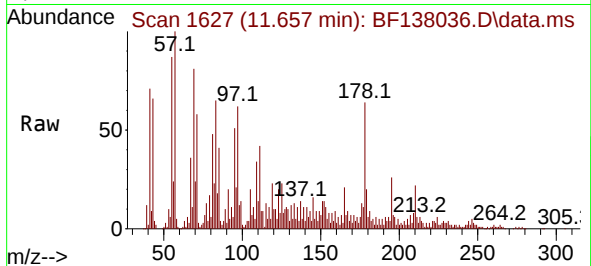




#72
 Anthracene
 Concen: 3.051 ng
 RT: 11.657 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BF138036.D
 Acq: 23 May 2024 19:31

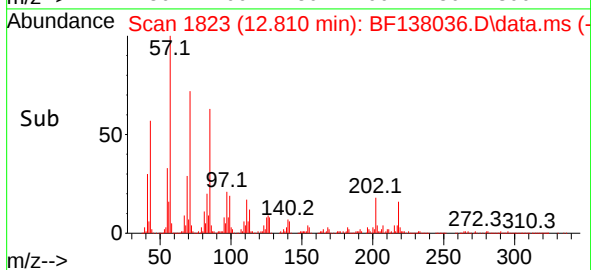
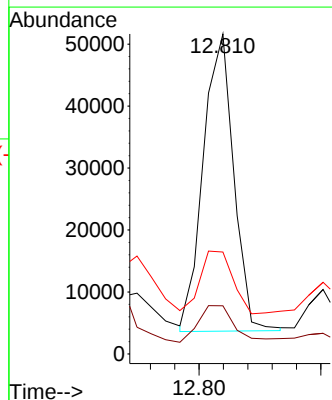
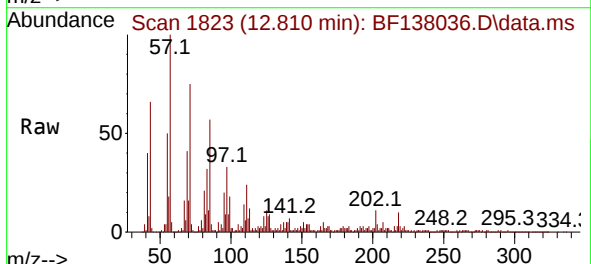
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

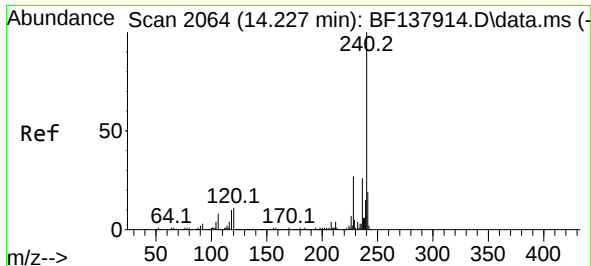
Tgt Ion:178 Resp: 42995
 Ion Ratio Lower Upper
 178 100
 176 20.4 14.7 22.1
 179 30.7 12.4 18.6#



#75
 Fluoranthene
 Concen: 2.891 ng
 RT: 12.810 min Scan# 1823
 Delta R.T. 0.012 min
 Lab File: BF138036.D
 Acq: 23 May 2024 19:31

Tgt Ion:202 Resp: 41683
 Ion Ratio Lower Upper
 202 100
 101 15.1 0.0 30.5
 203 31.9 0.0 37.3

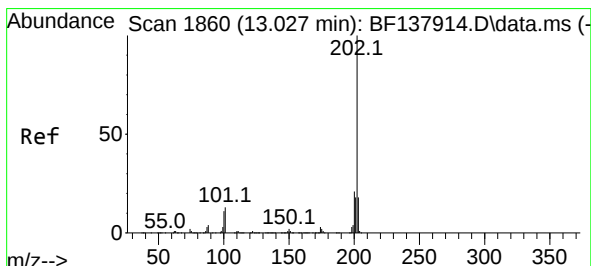
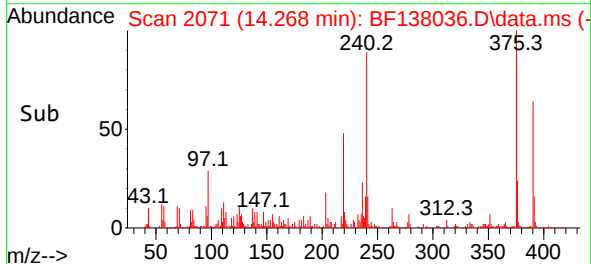
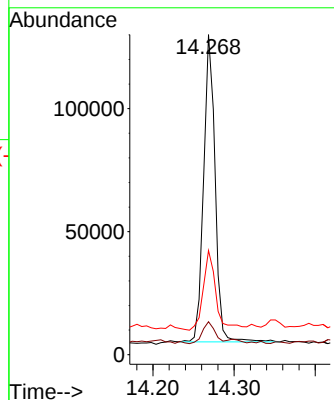
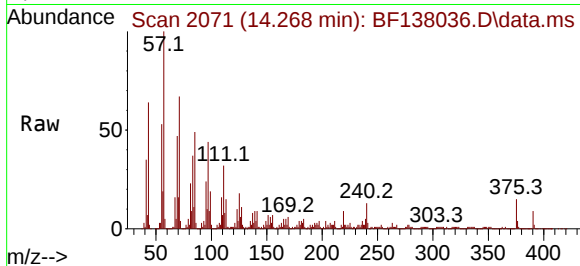




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.268 min Scan# 2064
Delta R.T. 0.041 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

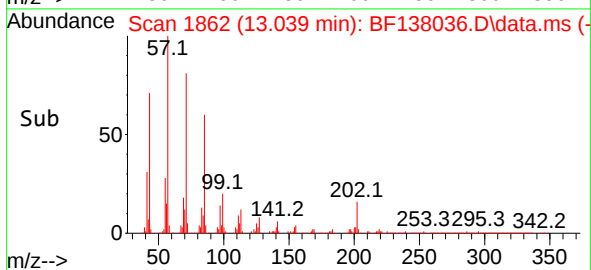
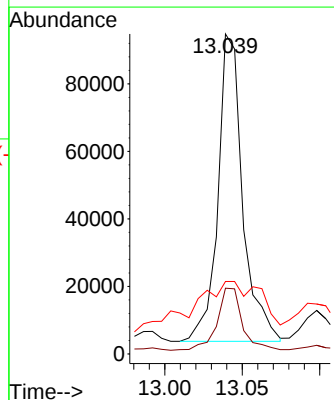
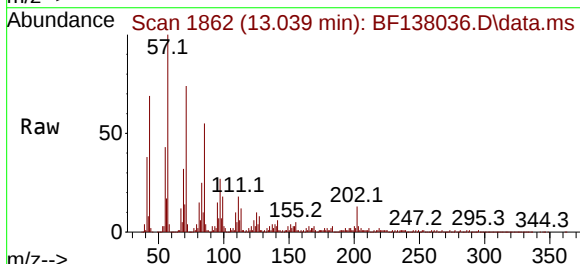
Instrument :
BNA_F
ClientSampleId :
COMP-1

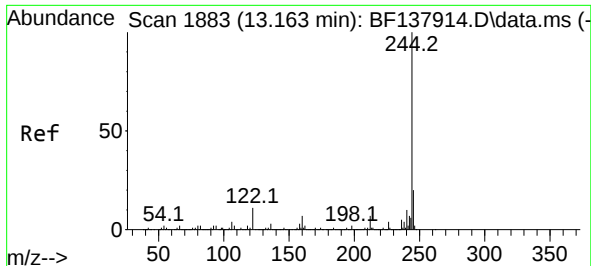
Tgt Ion:240 Resp: 122822
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 32.6 21.0 31.4#



#78
Pyrene
Concen: 9.407 ng
RT: 13.039 min Scan# 1862
Delta R.T. 0.012 min
Lab File: BF138036.D
Acq: 23 May 2024 19:31

Tgt Ion:202 Resp: 101059
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.4
203 22.7 14.1 21.1#

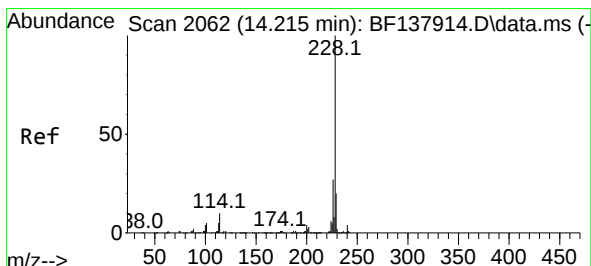
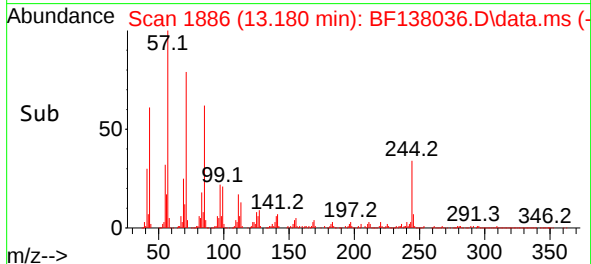
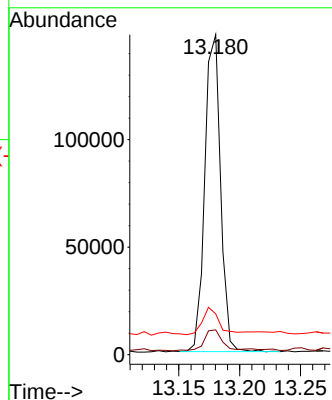
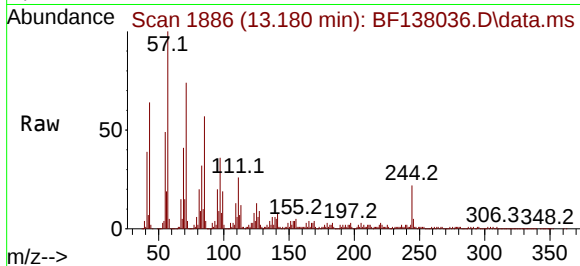




#79
 Terphenyl-d14
 Concen: 15.918 ng
 RT: 13.180 min Scan# 1886
 Delta R.T. 0.018 min
 Lab File: BF138036.D
 Acq: 23 May 2024 19:31

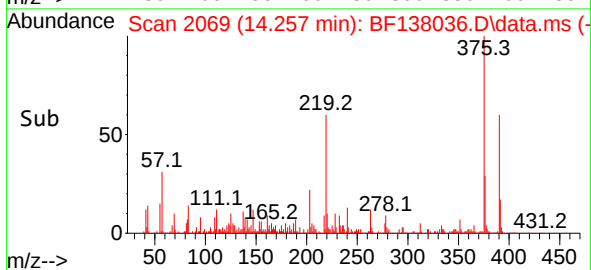
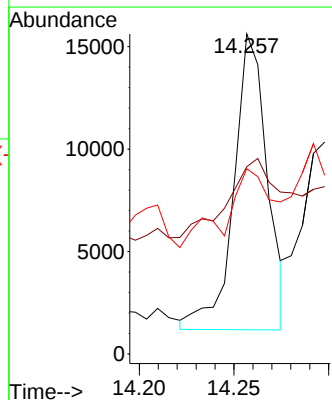
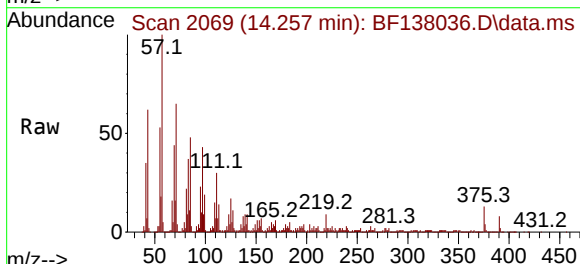
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

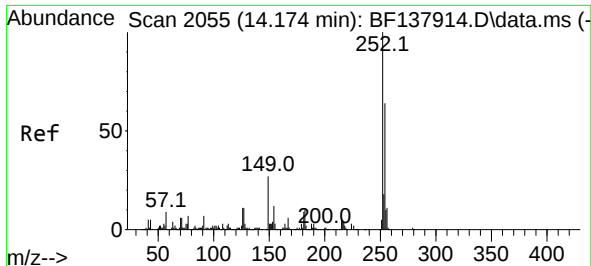
Tgt Ion:244 Resp: 132653
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.6 8.4
 122 12.8 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 2.280 ng
 RT: 14.257 min Scan# 2069
 Delta R.T. 0.041 min
 Lab File: BF138036.D
 Acq: 23 May 2024 19:31

Tgt Ion:228 Resp: 17713
 Ion Ratio Lower Upper
 228 100
 226 58.5 21.3 31.9#
 229 57.9 15.7 23.5#

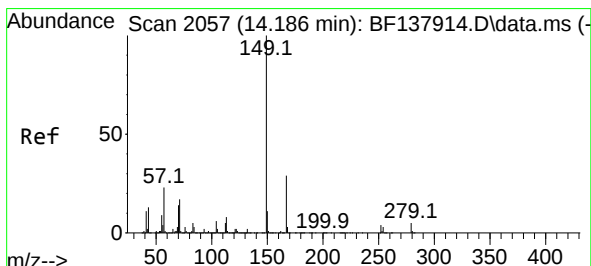
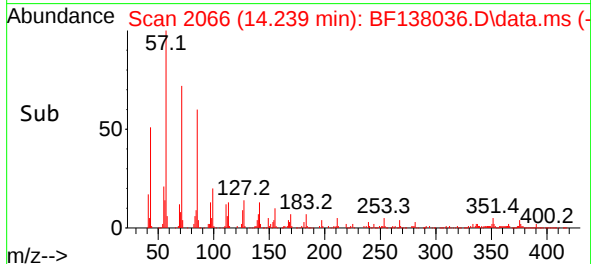
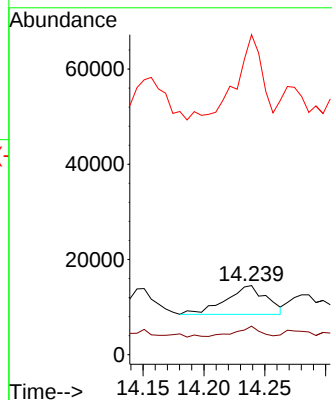
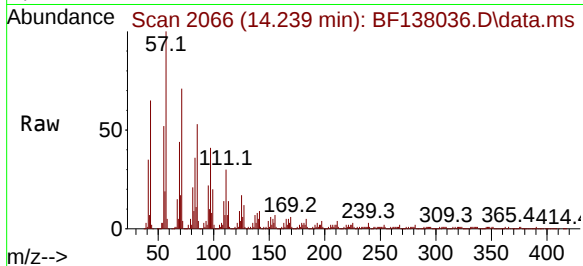




#82
 3,3'-Dichlorobenzidine
 Concen: 6.478 ng
 RT: 14.239 min Scan# 2066
 Delta R.T. 0.065 min
 Lab File: BF138036.D
 Acq: 23 May 2024 19:31

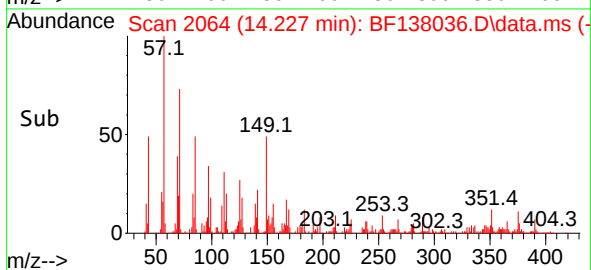
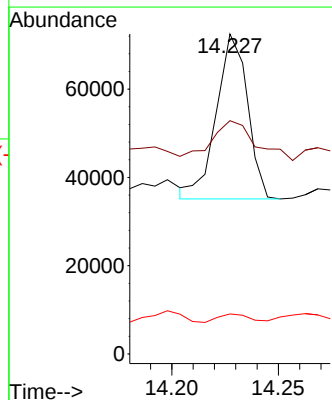
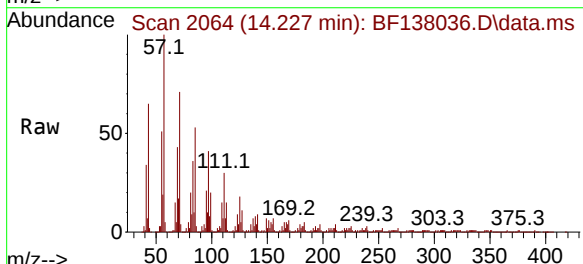
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

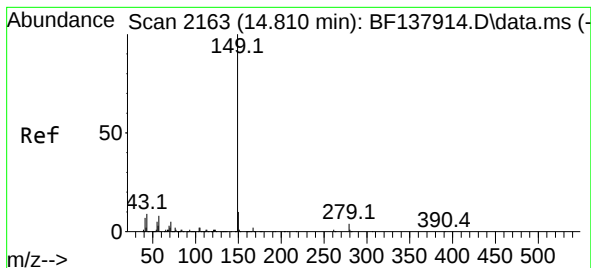
Tgt Ion:252 Resp: 13950
 Ion Ratio Lower Upper
 252 100
 254 41.2 51.2 76.8#
 126 462.4 8.7 13.1#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 9.329 ng
 RT: 14.227 min Scan# 2064
 Delta R.T. 0.041 min
 Lab File: BF138036.D
 Acq: 23 May 2024 19:31

Tgt Ion:149 Resp: 37998
 Ion Ratio Lower Upper
 149 100
 167 72.9 23.2 34.8#
 279 12.5 4.1 6.1#





#85

Di-n-octyl phthalate

Concen: 2.918 ng

RT: 14.833 min Scan# 2167

Delta R.T. 0.024 min

Lab File: BF138036.D

Acq: 23 May 2024 19:31

Instrument :

BNA_F

ClientSampleId :

COMP-1

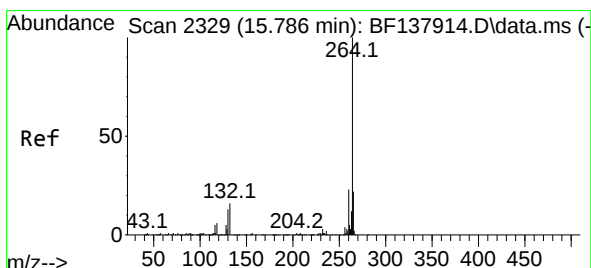
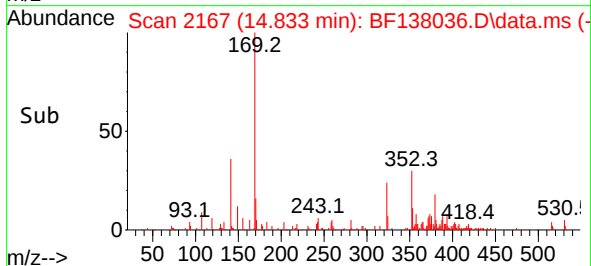
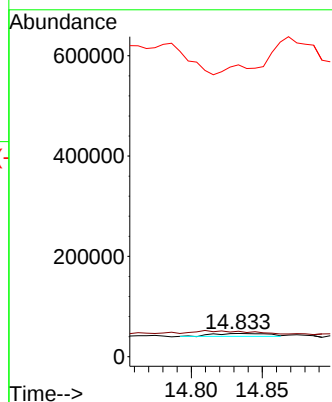
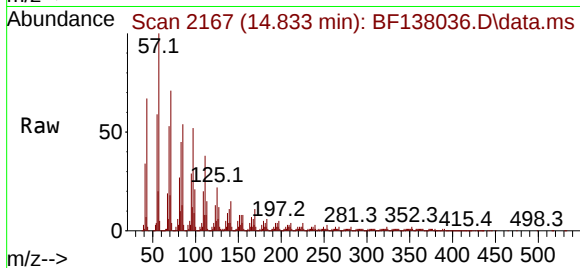
Tgt Ion:149 Resp: 16056

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

43 119.5 6.6 9.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.904 min Scan# 2349

Delta R.T. 0.118 min

Lab File: BF138036.D

Acq: 23 May 2024 19:31

Tgt Ion:264 Resp: 145466

Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

265 28.7 17.6 26.4#

