

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030824\
 Data File : BF137546.D
 Acq On : 08 Mar 2024 16:41
 Operator : CG\JU
 Sample : P1688-01DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1DL

Quant Time: Mar 08 22:18:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 08 22:10:14 2024
 Response via : Initial Calibration

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

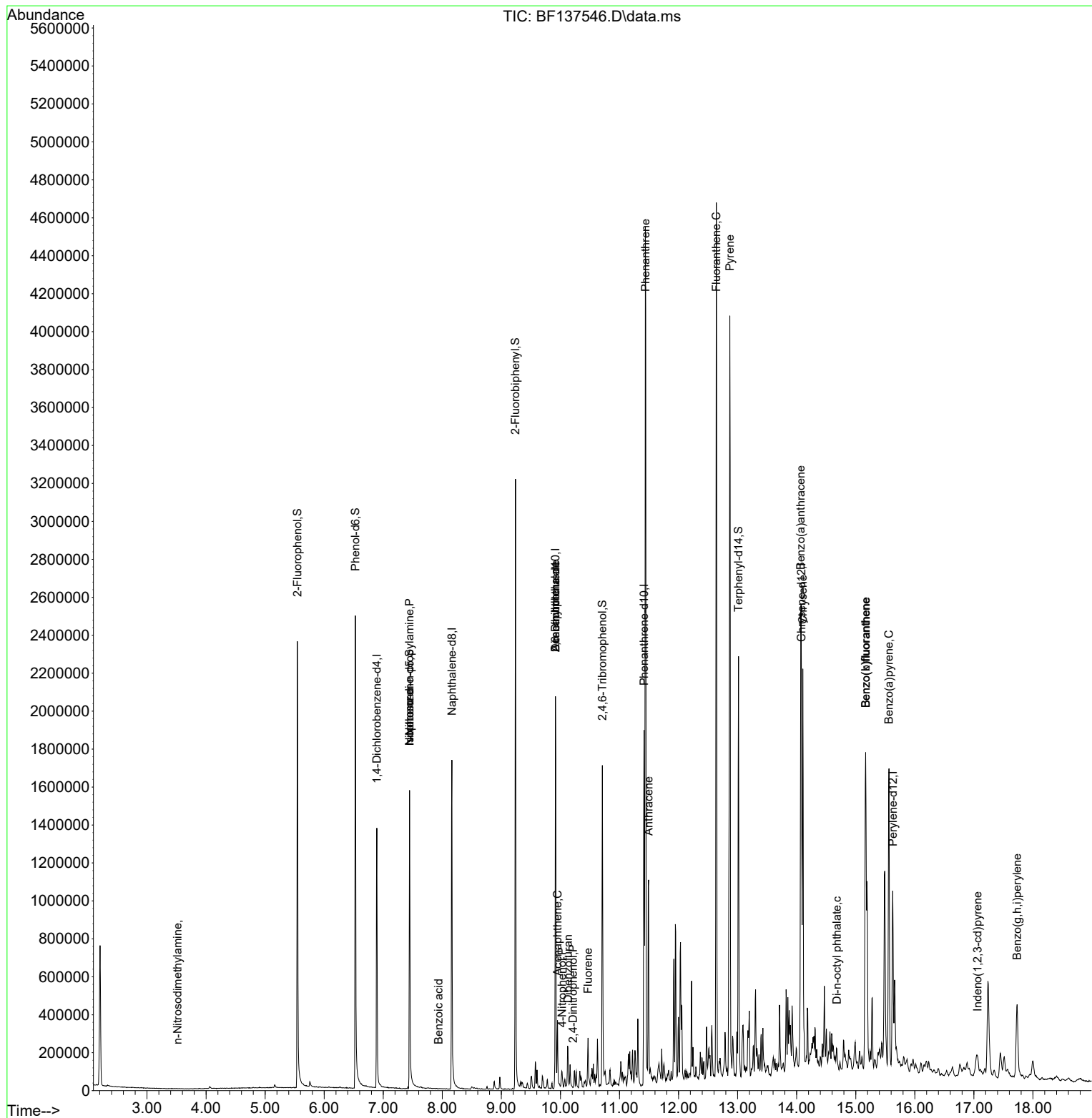
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	205831	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	791160	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	422398	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	661903	20.000	ng	0.00
76) Chrysene-d12	14.080	240	369602	20.000	ng	0.00
86) Perylene-d12	15.627	264	442990	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	669470	49.261	ng	0.00
7) Phenol-d6	6.528	99	908463	46.309	ng	0.00
23) Nitrobenzene-d5	7.445	82	553779	32.523	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	162619	43.840	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	932023	34.540	ng	0.00
79) Terphenyl-d14	13.016	244	714500	26.583	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.516	42	257	3.841	ng	# 1
19) n-Nitroso-di-n-propyla...	7.445	70	71265	5.883	ng	# 80
25) Isophorone	7.445	82	553776	17.119	ng	# 69
32) Benzoic acid	7.939	122	54	6.305	ng	# 1
50) Dimethylphthalate	9.916	163	69493	2.363	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	58339	9.486	ng	# 21
52) Acenaphthene	9.951	154	66180	2.939	ng	99
54) 2,4-Dinitrophenol	10.216	184	59	8.243	ng	# 19
55) Dibenzofuran	10.128	168	74035	2.158	ng	97
56) 4-Nitrophenol	10.028	139	1479	4.828	ng	# 37
58) Fluorene	10.469	166	61663	2.341	ng	99
71) Phenanthrene	11.439	178	1787466	49.621	ng	99
72) Anthracene	11.492	178	444419	12.012	ng	98
75) Fluoranthene	12.639	202	1916463	54.428	ng	99
78) Pyrene	12.868	202	1710759	47.172	ng	99
81) Benzo(a)anthracene	14.068	228	918918	35.473	ng	99
83) Chrysene	14.104	228	776646	29.663	ng	98
85) Di-n-octyl phthalate	14.680	149	469	5.625	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.062	276	68679	2.356	ng	95
88) Benzo(b)fluoranthene	15.168	252	1348824	51.473	ng	99
89) Benzo(k)fluoranthene	15.168	252	1348824	47.922	ng	97
90) Benzo(a)pyrene	15.562	252	793838	30.741	ng	98
92) Benzo(g,h,i)perylene	17.733	276	332588	13.694	ng	99

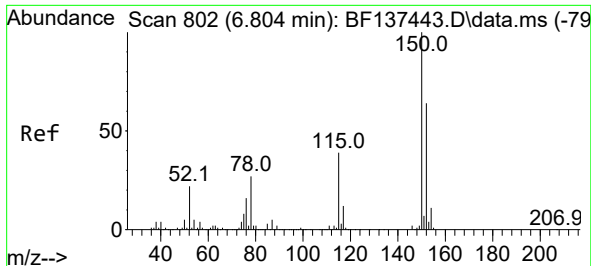
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030824\
Data File : BF137546.D
Acq On : 08 Mar 2024 16:41
Operator : CG\JU
Sample : P1688-01DL 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1DL

Quant Time: Mar 08 22:18:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 08 22:10:14 2024
Response via : Initial Calibration

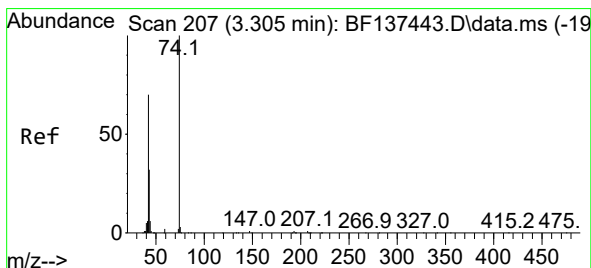
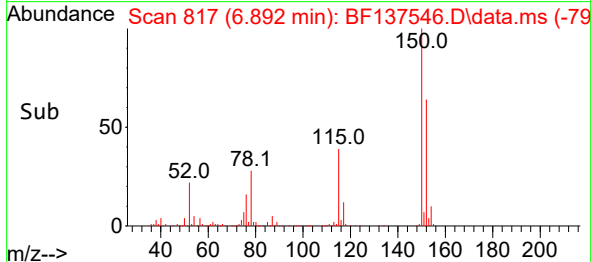
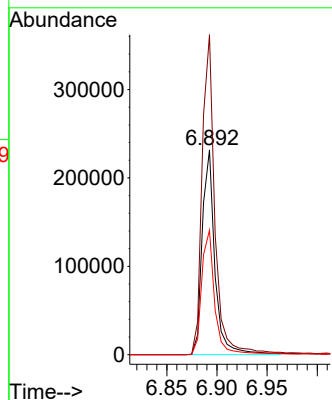
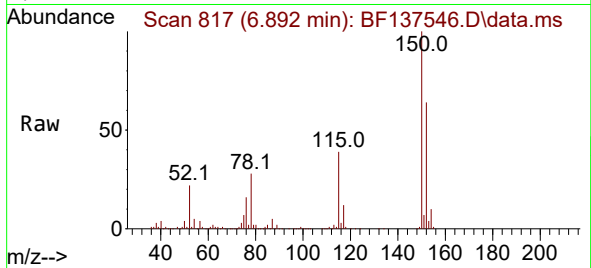




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. 0.005 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

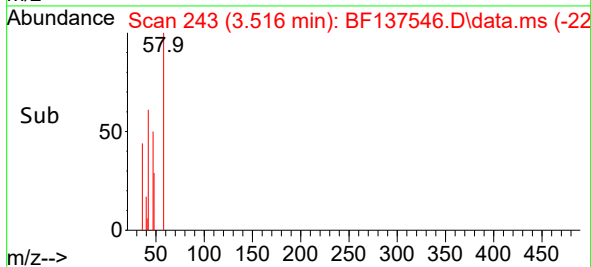
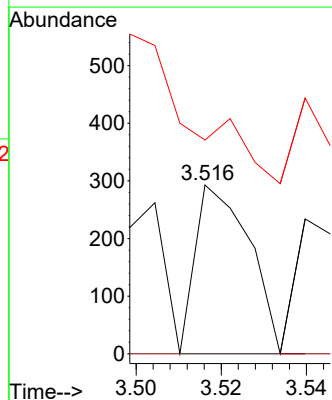
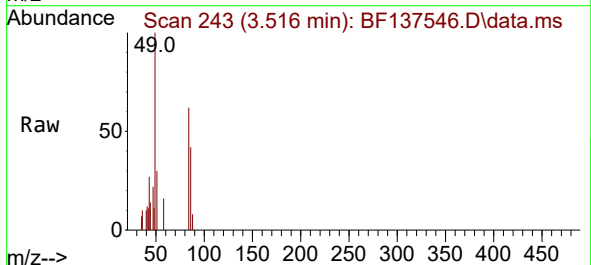
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

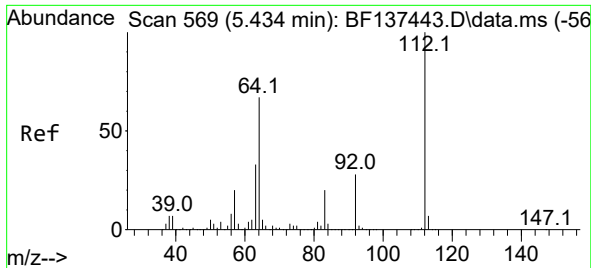
Tgt Ion:152 Resp: 205831
Ion Ratio Lower Upper
152 100
150 156.2 125.8 188.6
115 60.8 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.841 ng
RT: 3.516 min Scan# 243
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Tgt Ion: 42 Resp: 257
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 126.6 7.0 10.4#

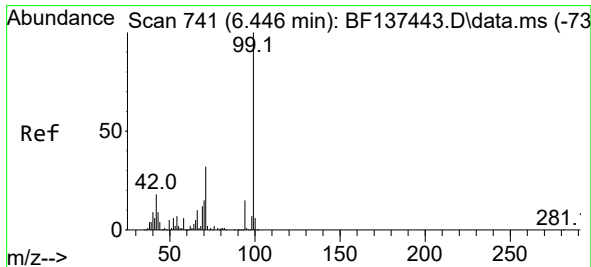
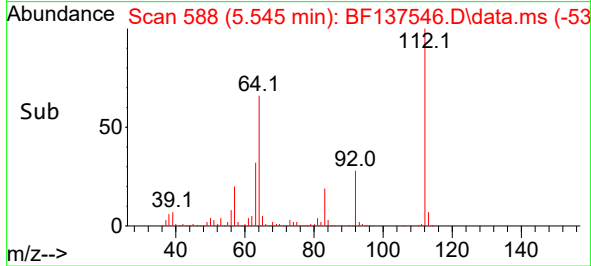
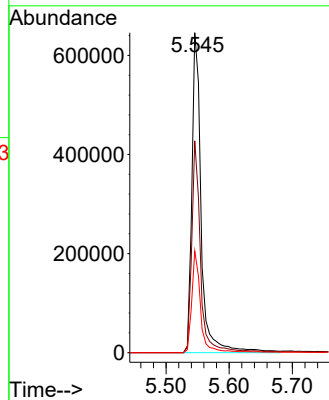
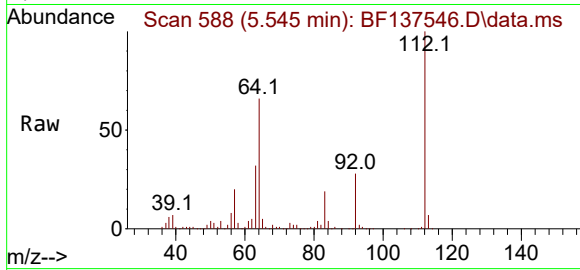




#5
2-Fluorophenol
Concen: 49.261 ng
RT: 5.545 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

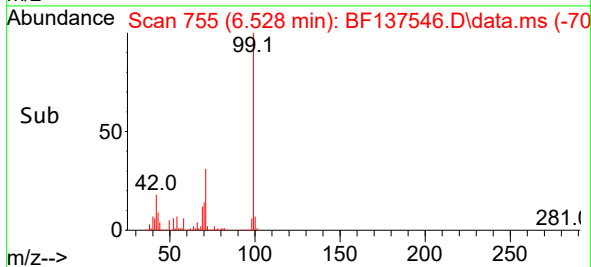
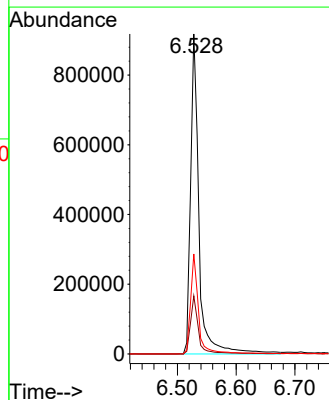
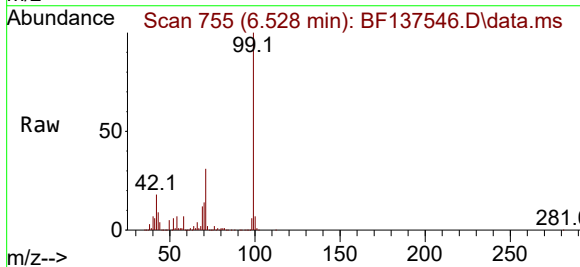
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

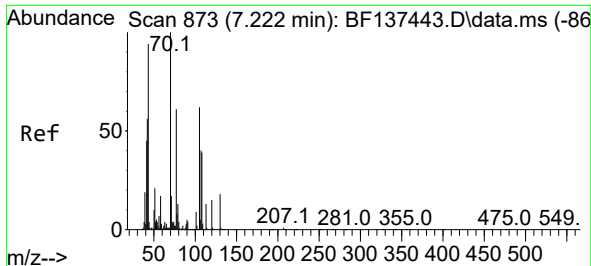
Tgt Ion:112 Resp: 669470
Ion Ratio Lower Upper
112 100
64 66.2 53.4 80.2
63 31.8 26.2 39.2



#7
Phenol-d6
Concen: 46.309 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Tgt Ion: 99 Resp: 908463
Ion Ratio Lower Upper
99 100
42 18.2 14.6 21.8
71 31.2 25.3 37.9





#19

n-Nitroso-di-n-propylamine

Concen: 5.883 ng

RT: 7.445 min Scan# 91

Delta R.T. 0.141 min

Lab File: BF137546.D

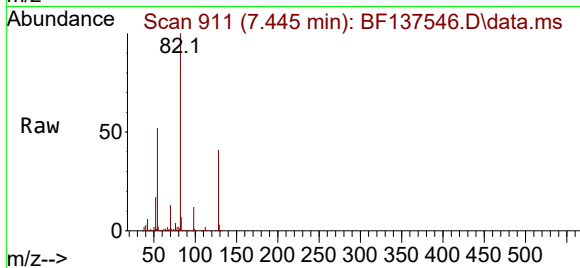
Acq: 08 Mar 2024 16:41

Instrument :

BNA_F

ClientSampleId :

COMP-1DL



Tgt Ion: 70 Resp: 71265

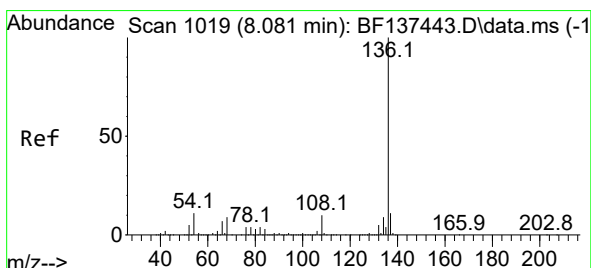
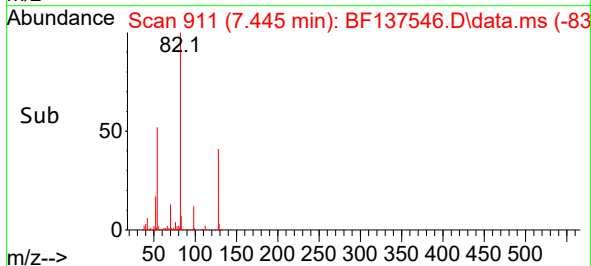
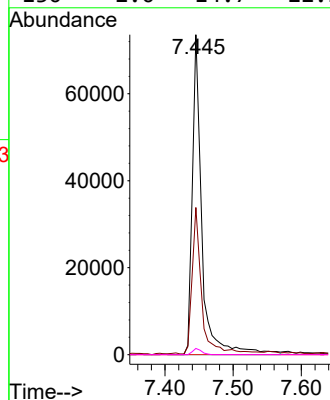
Ion Ratio Lower Upper

70 100

42 46.0 45.2 67.8

101 0.0 7.3 10.9#

130 2.0 14.7 22.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1033

Delta R.T. 0.006 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

Tgt Ion:136 Resp: 791160

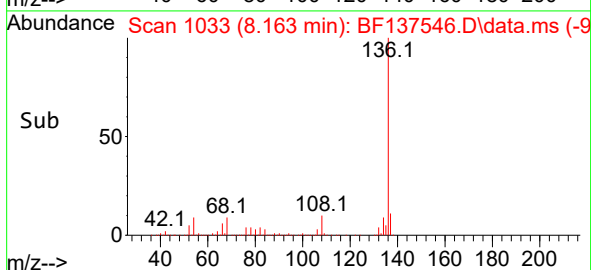
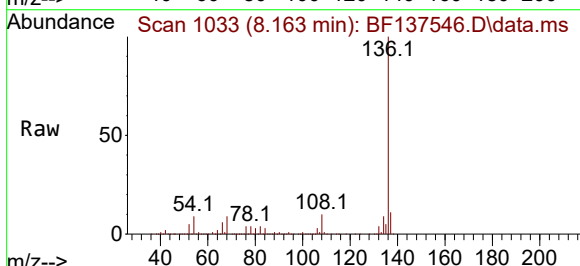
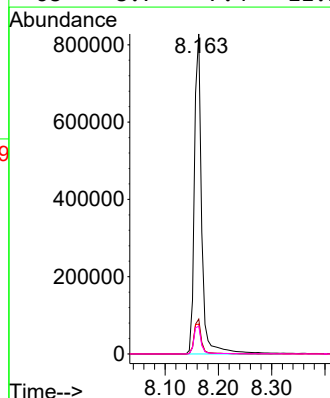
Ion Ratio Lower Upper

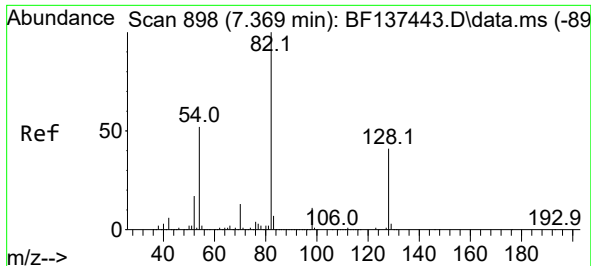
136 100

137 10.9 9.1 13.7

54 9.3 8.5 12.7

68 8.7 7.4 11.2





#23

Nitrobenzene-d5

Concen: 32.523 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

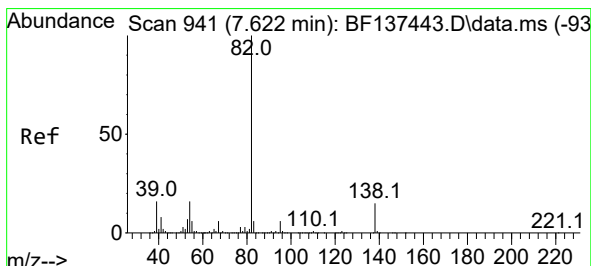
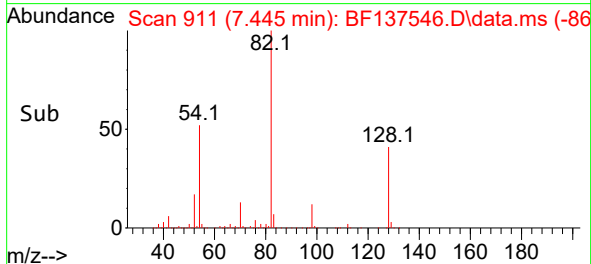
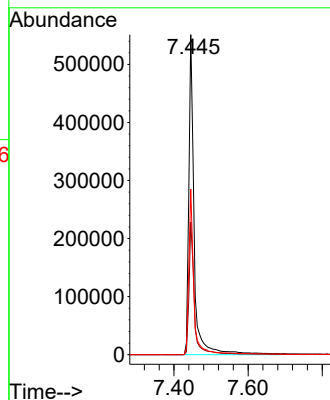
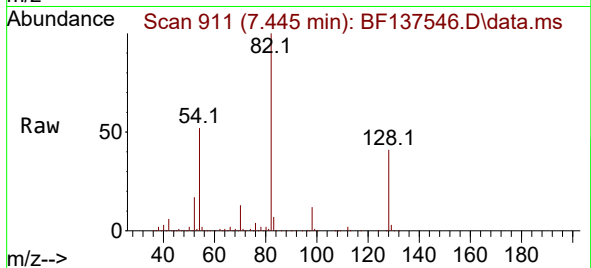
Tgt Ion: 82 Resp: 553779

Ion Ratio Lower Upper

82 100

128 41.5 32.5 48.7

54 51.8 41.5 62.3



#25

Isophorone

Concen: 17.119 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.259 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

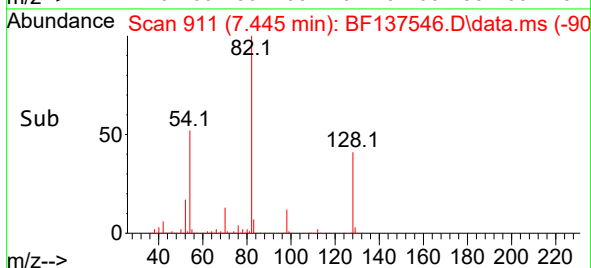
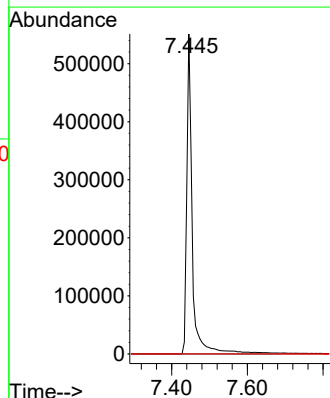
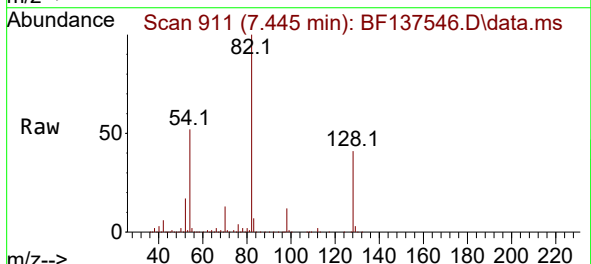
Tgt Ion: 82 Resp: 553776

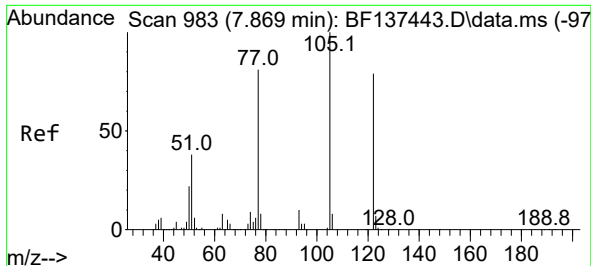
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

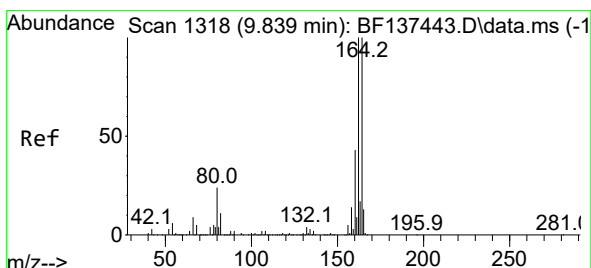
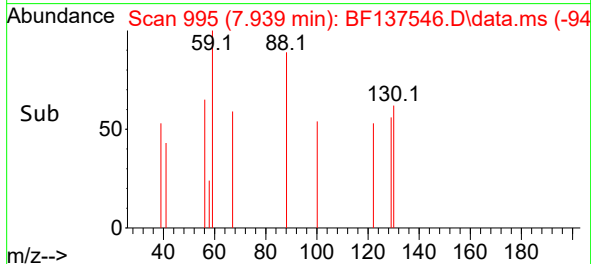
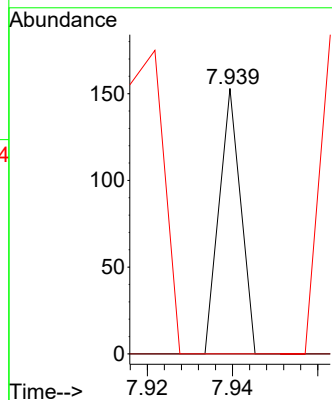
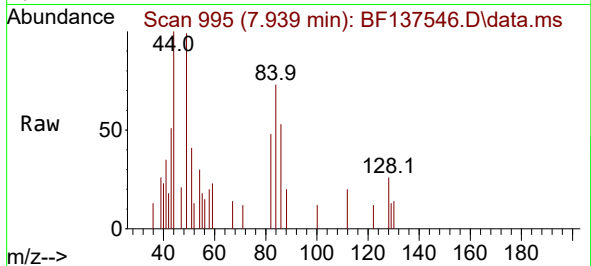




#32
Benzoic acid
Concen: 6.305 ng
RT: 7.939 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

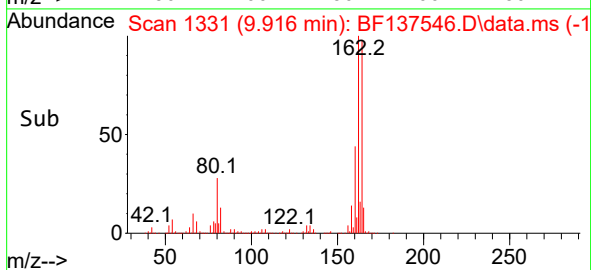
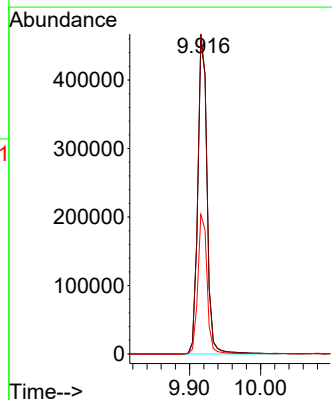
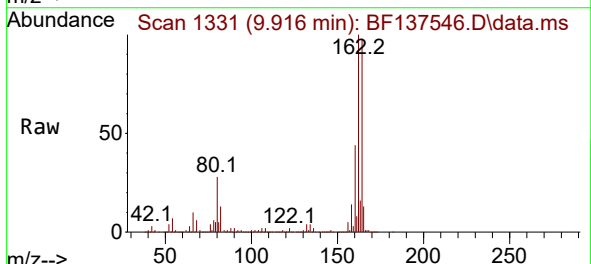
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

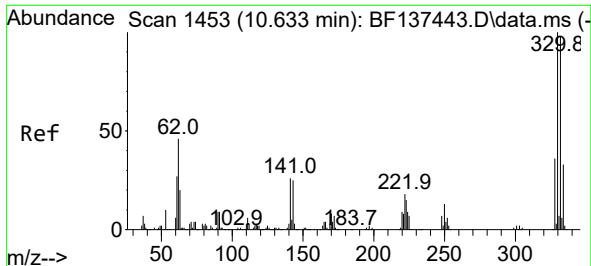
Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 102.4 142.4#
77 0.0 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Tgt Ion:164 Resp: 422398
Ion Ratio Lower Upper
164 100
162 101.9 79.8 119.8
160 44.4 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 43.840 ng

RT: 10.710 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

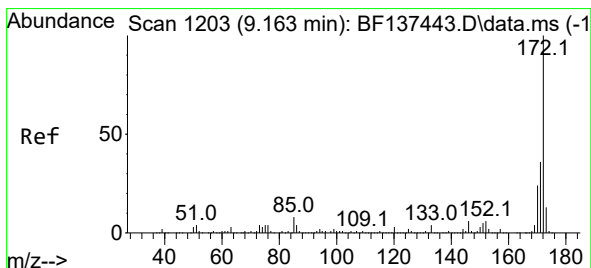
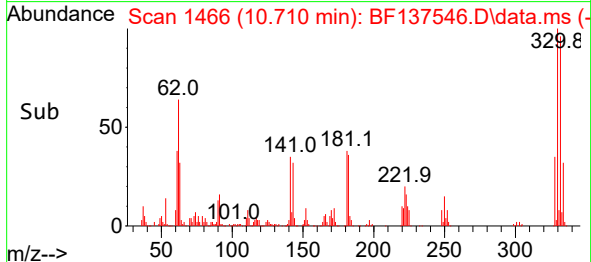
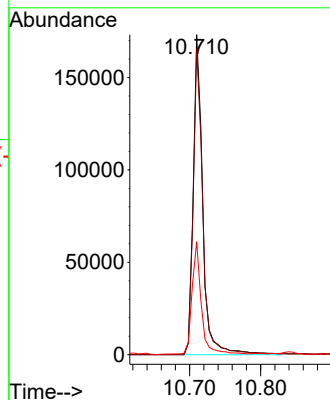
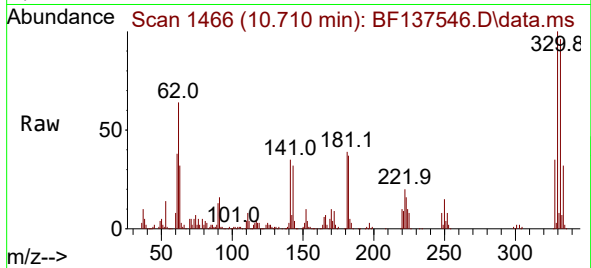
Tgt Ion:330 Resp: 162619

Ion Ratio Lower Upper

330 100

332 96.7 78.0 117.0

141 35.3 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 34.540 ng

RT: 9.239 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

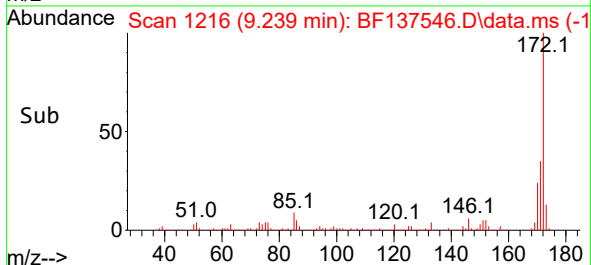
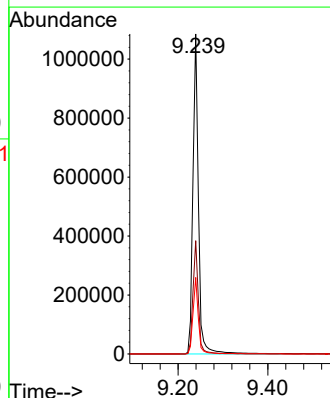
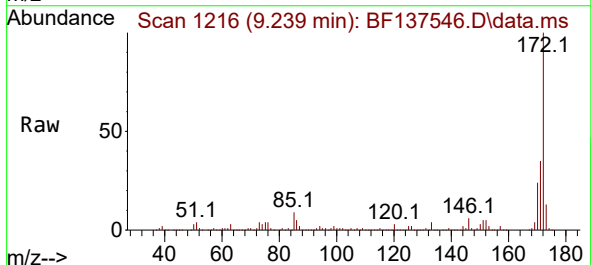
Tgt Ion:172 Resp: 932023

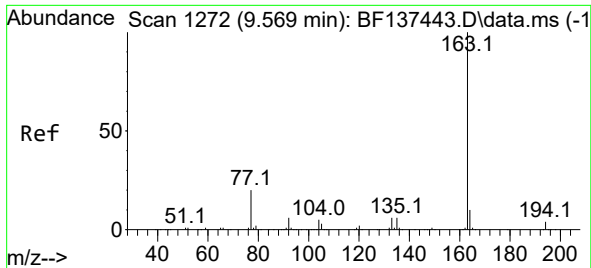
Ion Ratio Lower Upper

172 100

171 35.4 28.5 42.7

170 23.9 19.0 28.6

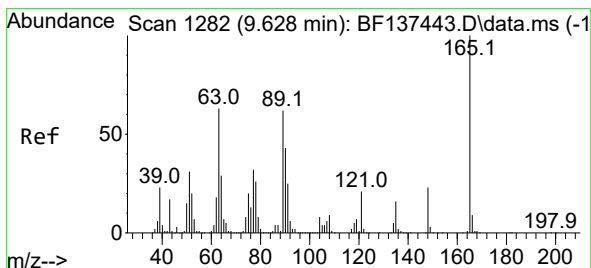
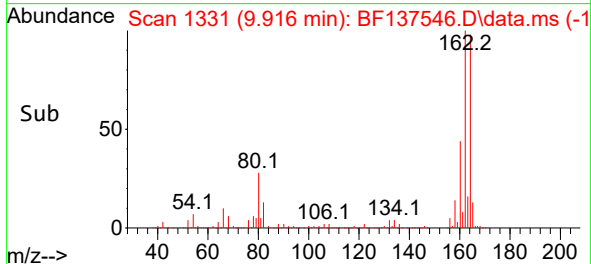
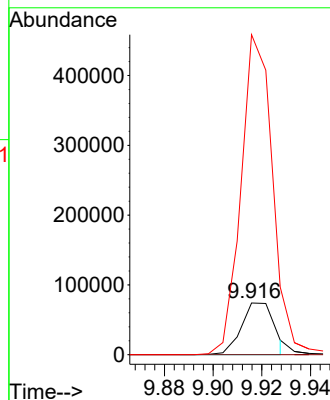
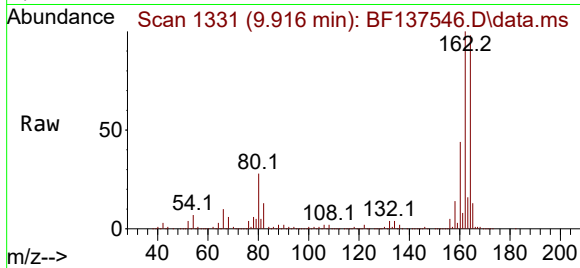




#50
Dimethylphthalate
Concen: 2.363 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.265 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

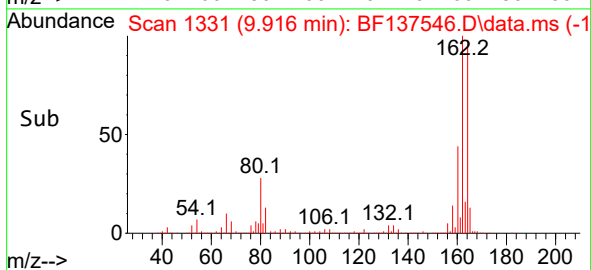
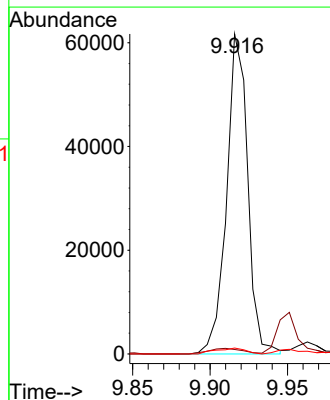
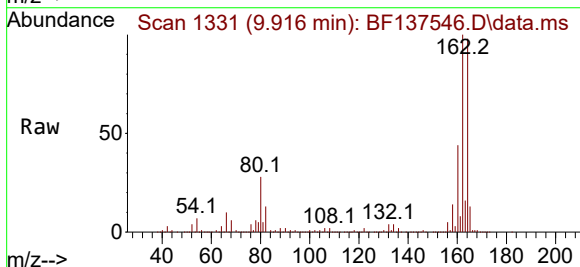
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

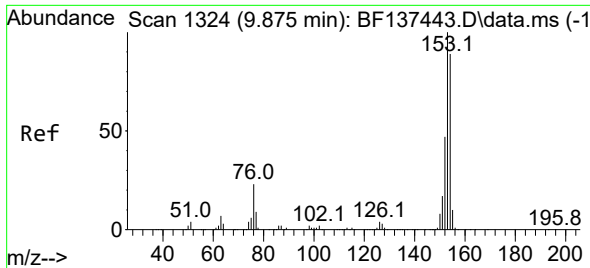
Tgt Ion:163 Resp: 69493
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 620.0 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.486 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.206 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Tgt Ion:165 Resp: 58339
Ion Ratio Lower Upper
165 100
63 1.4 50.7 76.1#
89 1.8 50.0 75.0#

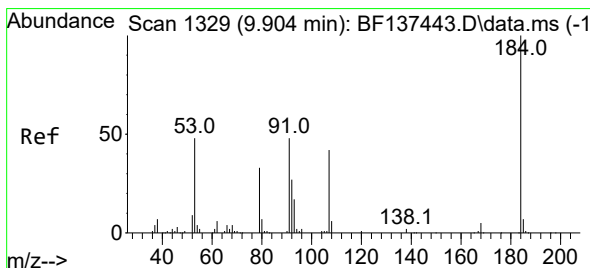
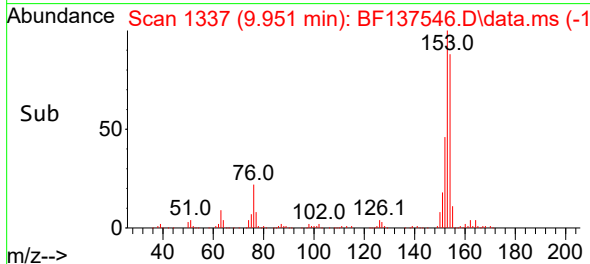
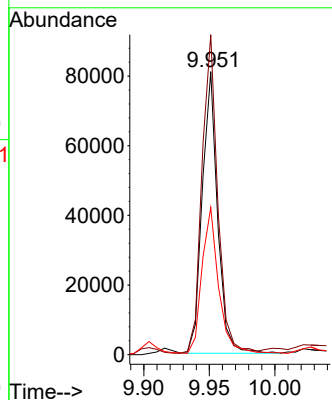
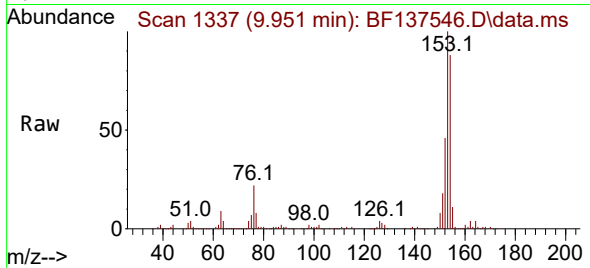




#52
Acenaphthene
Concen: 2.939 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

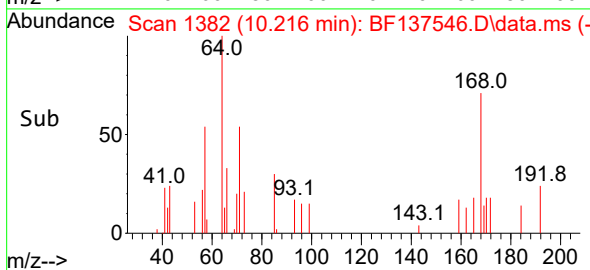
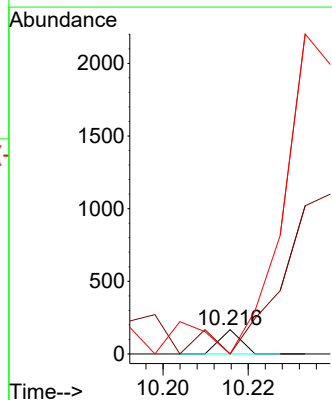
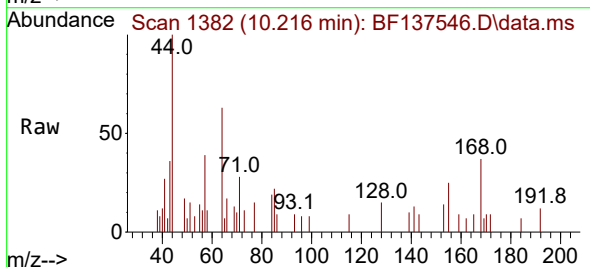
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

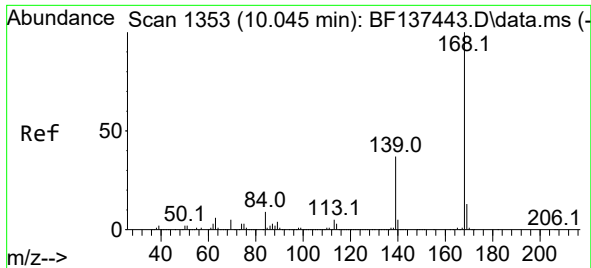
Tgt Ion:154 Resp: 66180
Ion Ratio Lower Upper
154 100
153 113.1 90.3 135.5
152 52.0 42.7 64.1



#54
2,4-Dinitrophenol
Concen: 8.243 ng
RT: 10.216 min Scan# 1382
Delta R.T. 0.229 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 53.3 79.9#
154 0.0 47.4 71.0#

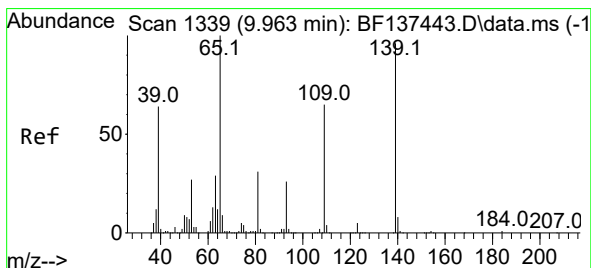
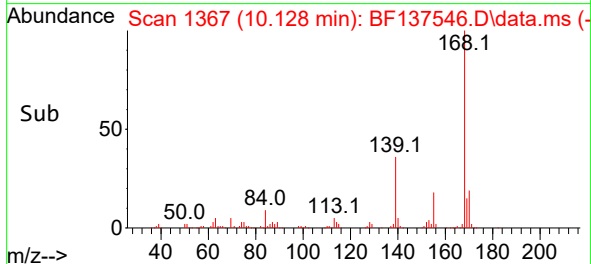
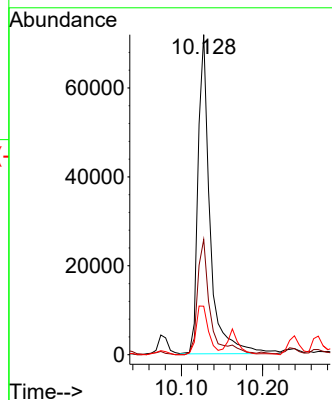
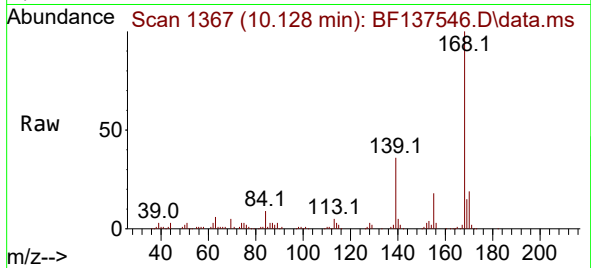




#55
Dibenzenofuran
Concen: 2.158 ng
RT: 10.128 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

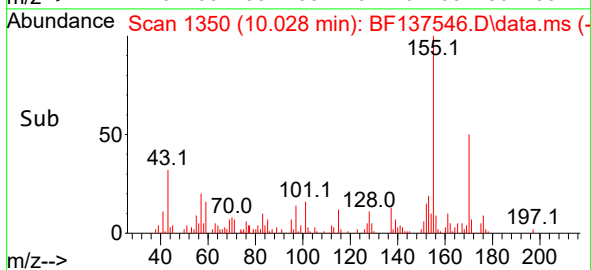
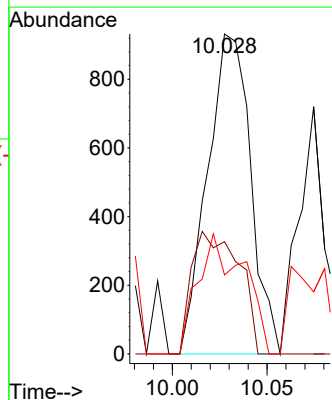
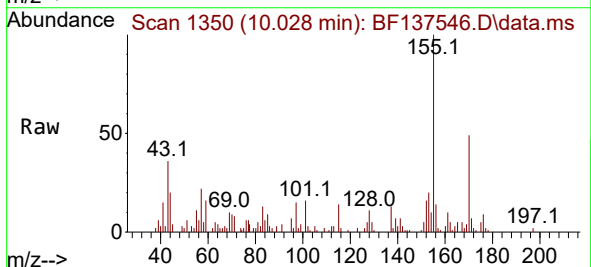
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

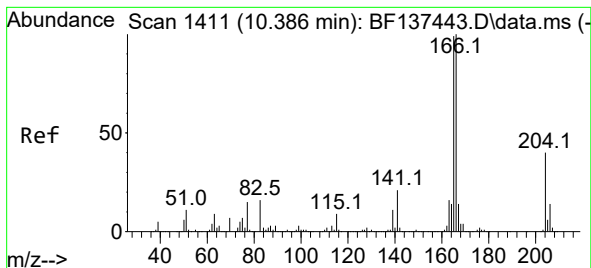
Tgt Ion:168 Resp: 74035
Ion Ratio Lower Upper
168 100
139 36.0 29.8 44.6
169 15.2 10.8 16.2



#56
4-Nitrophenol
Concen: 4.828 ng
RT: 10.028 min Scan# 1350
Delta R.T. -0.018 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Tgt Ion:139 Resp: 1479
Ion Ratio Lower Upper
139 100
109 35.1 47.1 87.1#
65 24.7 85.1 125.1#





#58

Fluorene

Concen: 2.341 ng

RT: 10.469 min Scan# 1411

Delta R.T. 0.000 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

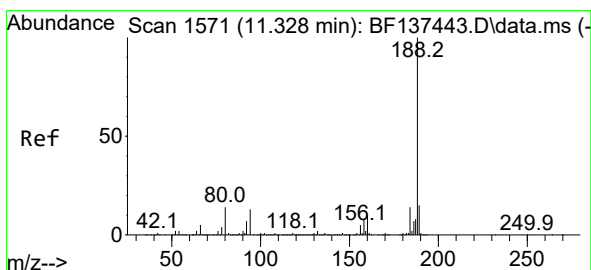
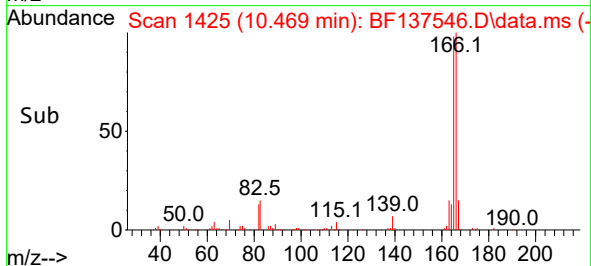
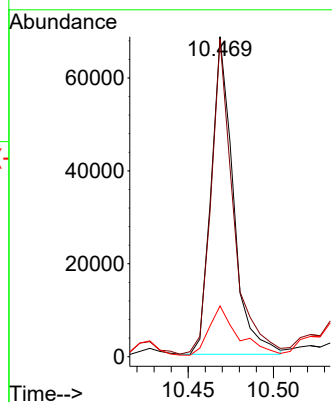
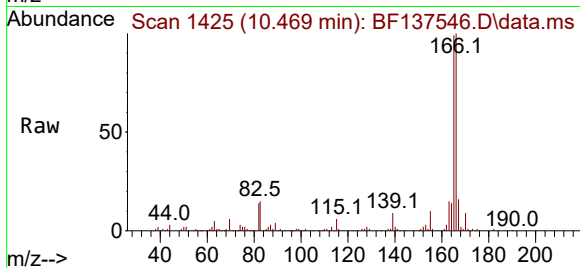
Tgt Ion:166 Resp: 61663

Ion Ratio Lower Upper

166 100

165 99.3 79.2 118.8

167 15.9 11.0 16.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.006 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

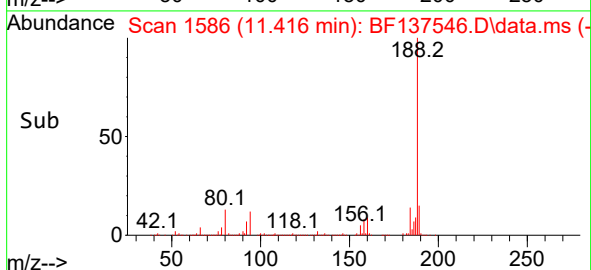
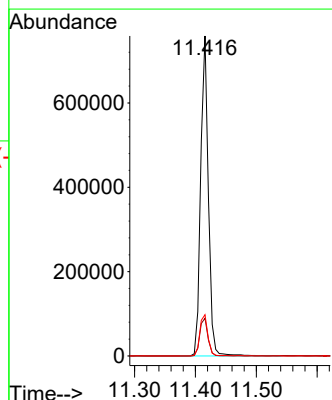
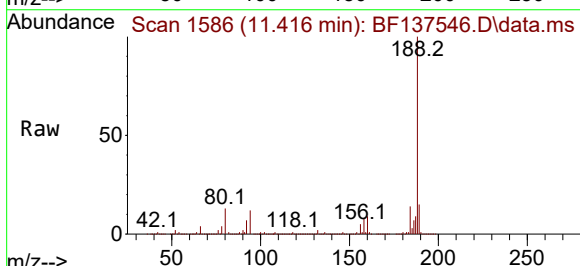
Tgt Ion:188 Resp: 661903

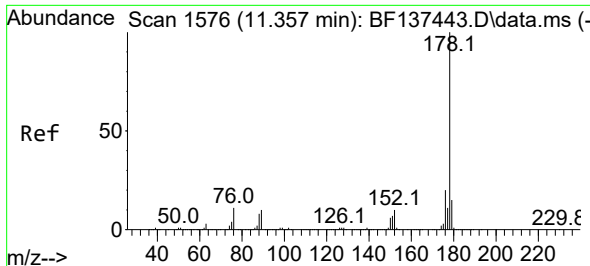
Ion Ratio Lower Upper

188 100

94 11.8 10.6 15.8

80 12.9 11.5 17.3

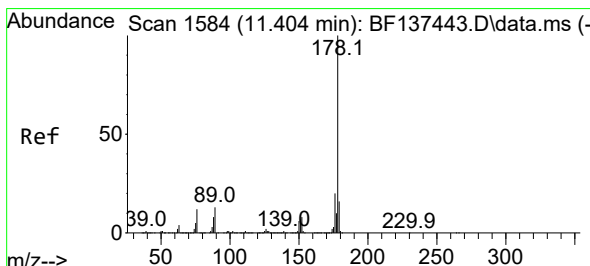
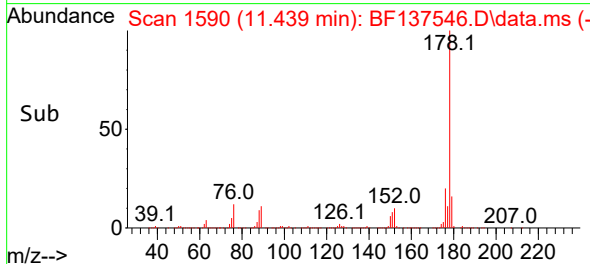
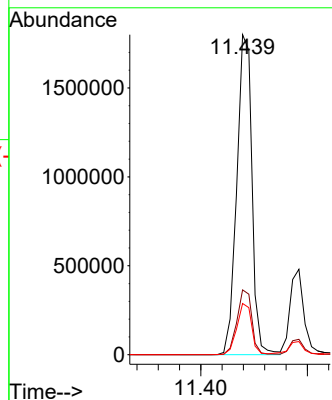
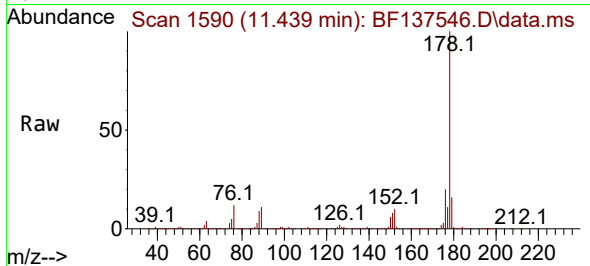




#71
Phenanthrene
Concen: 49.621 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

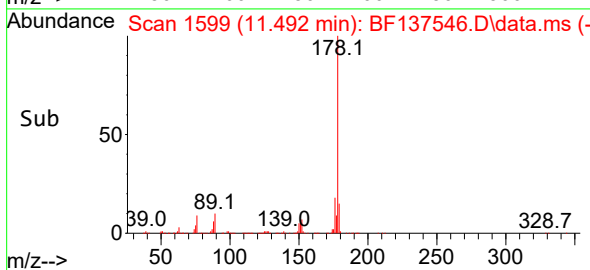
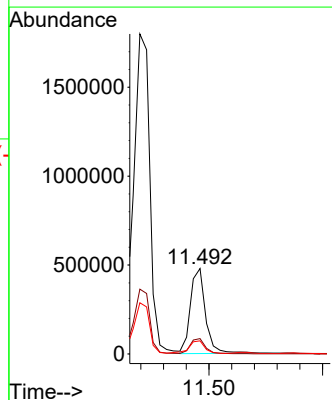
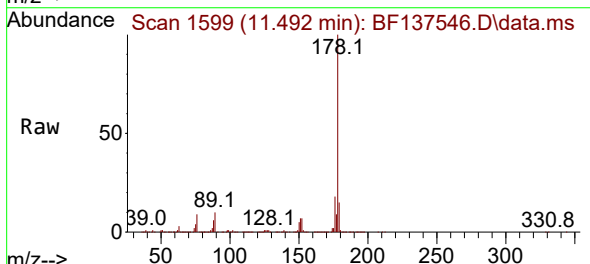
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

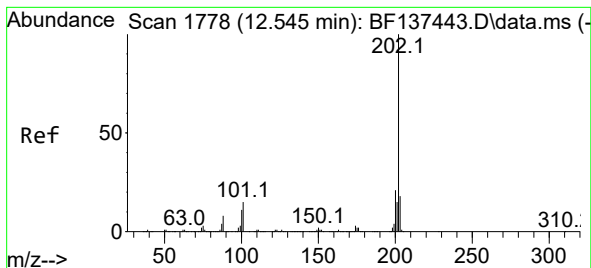
Tgt Ion:178 Resp: 1787466
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.8
179 16.0 12.2 18.2



#72
Anthracene
Concen: 12.012 ng
RT: 11.492 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Tgt Ion:178 Resp: 444419
Ion Ratio Lower Upper
178 100
176 18.1 15.7 23.5
179 15.5 12.7 19.1





#75

Fluoranthene

Concen: 54.428 ng

RT: 12.639 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

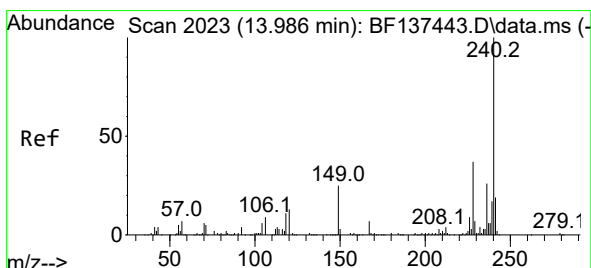
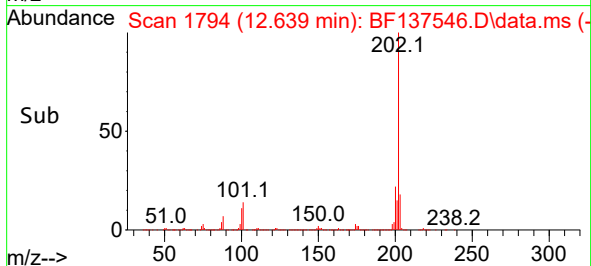
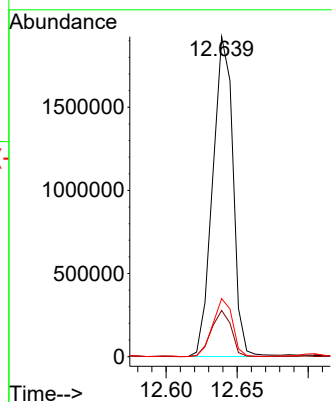
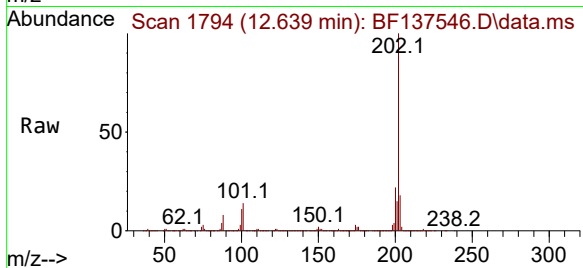
Tgt Ion:202 Resp: 1916463

Ion Ratio Lower Upper

202 100

101 14.4 0.0 35.0

203 18.2 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2039

Delta R.T. 0.006 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

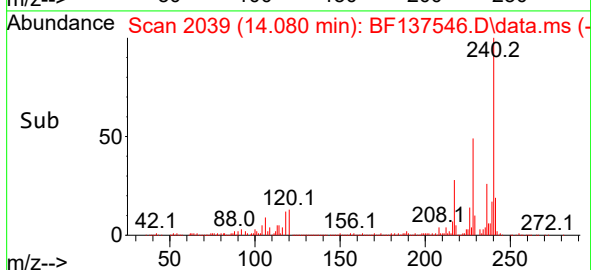
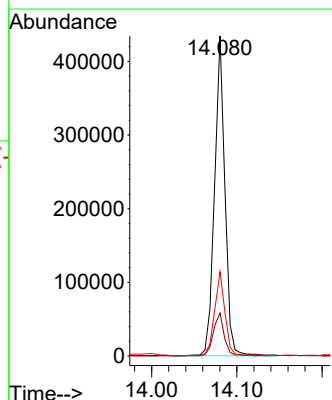
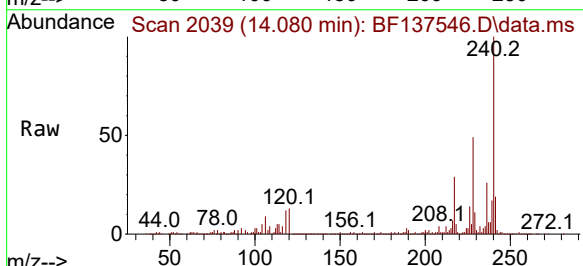
Tgt Ion:240 Resp: 369602

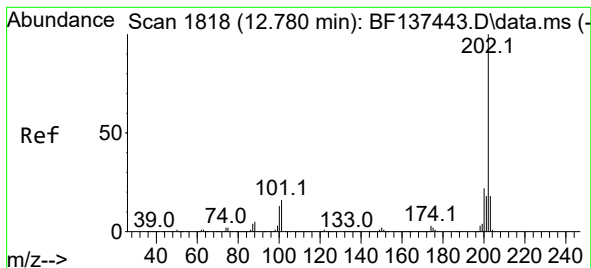
Ion Ratio Lower Upper

240 100

120 13.4 10.4 15.6

236 26.3 20.9 31.3





#78

Pyrene

Concen: 47.172 ng

RT: 12.868 min Scan# 1833

Delta R.T. 0.006 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

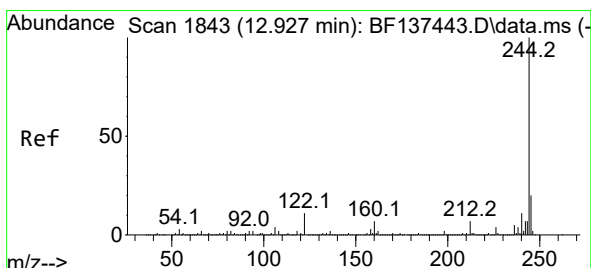
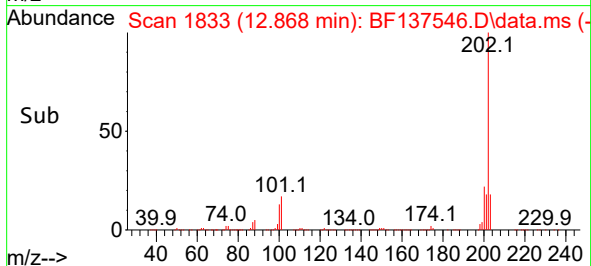
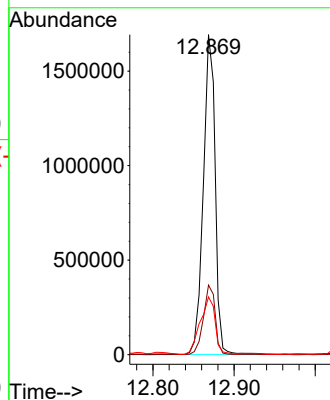
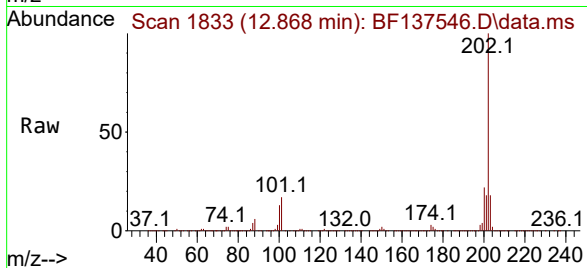
Tgt Ion:202 Resp: 1710759

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 26.583 ng

RT: 13.016 min Scan# 1858

Delta R.T. 0.000 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

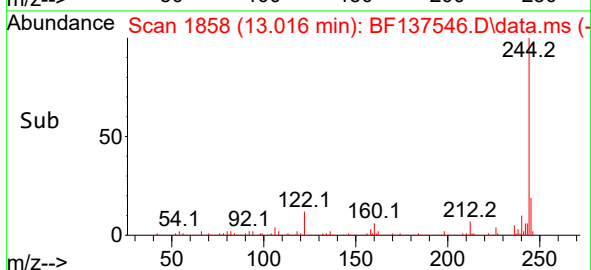
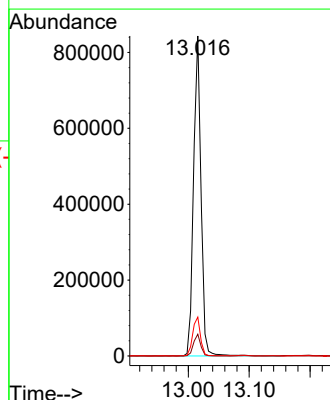
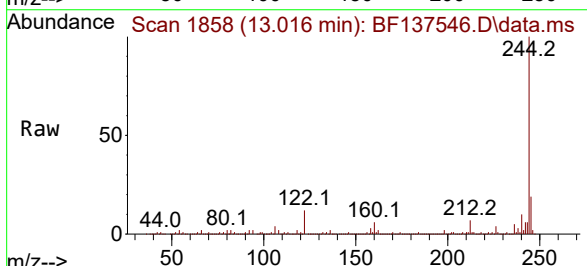
Tgt Ion:244 Resp: 714500

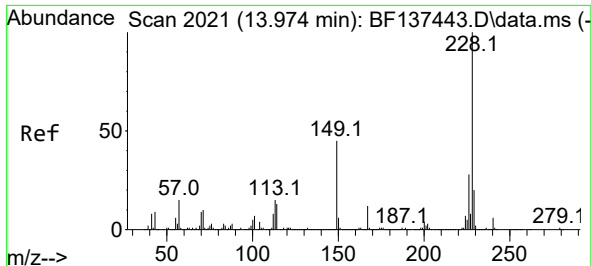
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 12.1 9.1 13.7

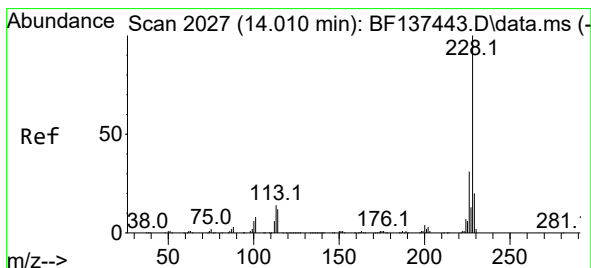
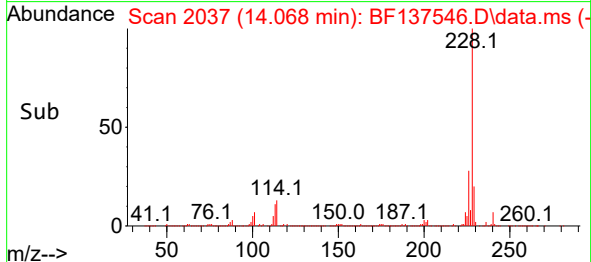
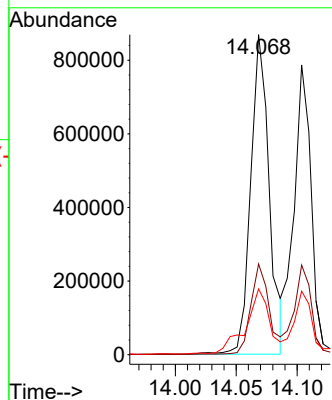
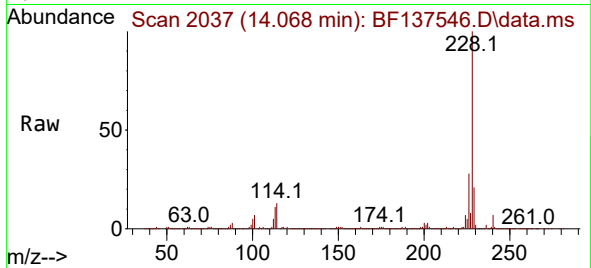




#81
Benzo(a)anthracene
Concen: 35.473 ng
RT: 14.068 min Scan# 2043
Delta R.T. 0.006 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

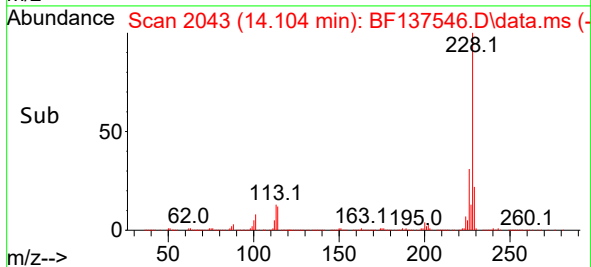
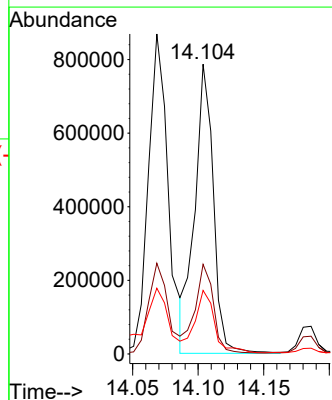
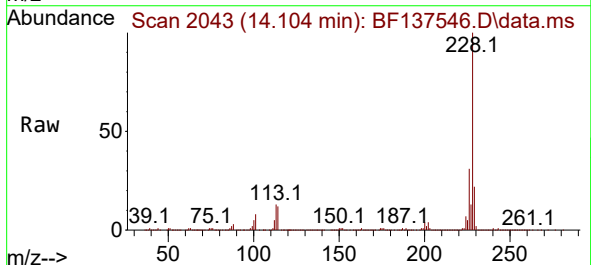
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

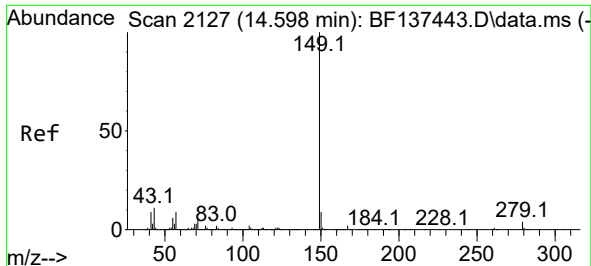
Tgt Ion:228 Resp: 918918
Ion Ratio Lower Upper
228 100
226 28.3 22.3 33.5
229 20.6 16.3 24.5



#83
Chrysene
Concen: 29.663 ng
RT: 14.104 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Tgt Ion:228 Resp: 776646
Ion Ratio Lower Upper
228 100
226 30.9 24.7 37.1
229 21.9 15.9 23.9

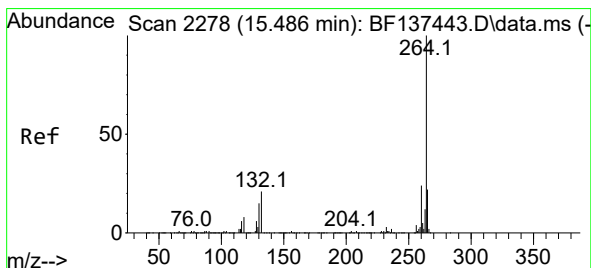
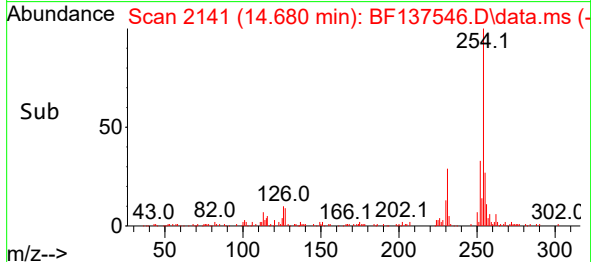
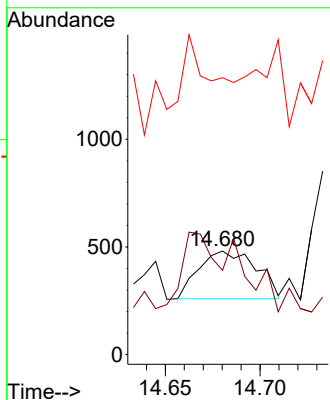
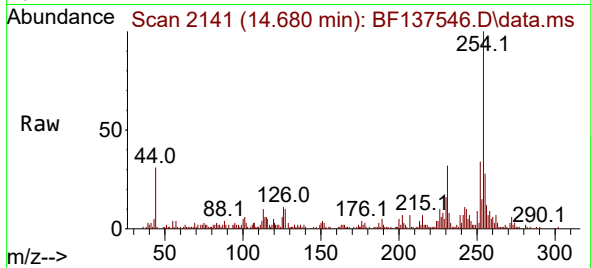




#85
Di-n-octyl phthalate
Concen: 5.625 ng
RT: 14.680 min Scan# 2127
Delta R.T. -0.012 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

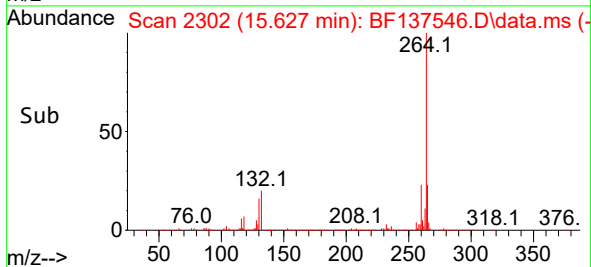
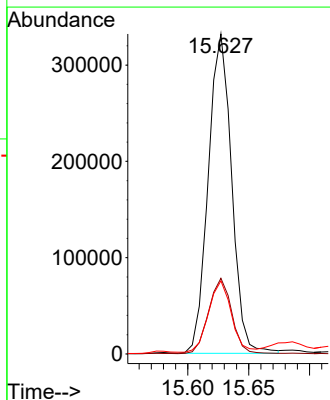
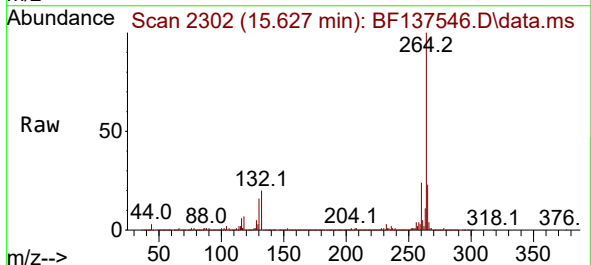
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

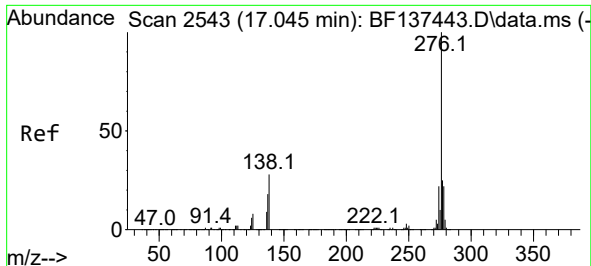
Tgt Ion:149 Resp: 469
Ion Ratio Lower Upper
149 100
167 174.8 1.2 1.8#
43 71.0 9.6 14.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2302
Delta R.T. 0.012 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Tgt Ion:264 Resp: 442990
Ion Ratio Lower Upper
264 100
260 23.6 19.3 28.9
265 22.8 17.4 26.0

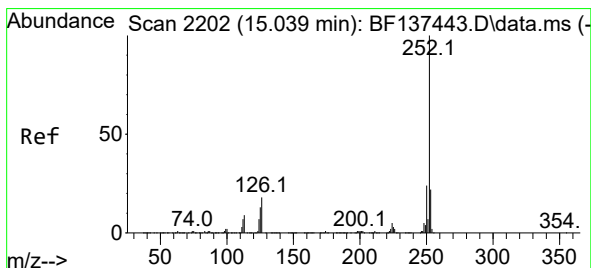
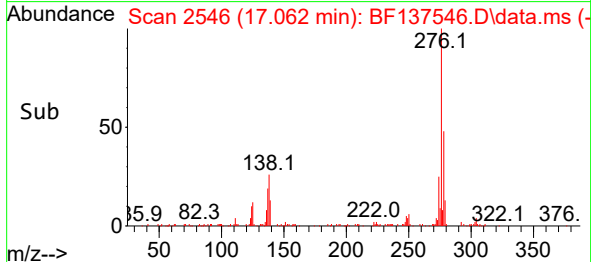
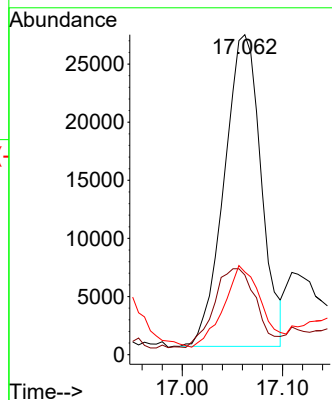
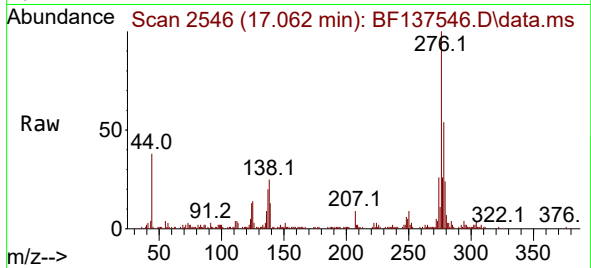




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.356 ng
RT: 17.062 min Scan# 21
Delta R.T. -0.176 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

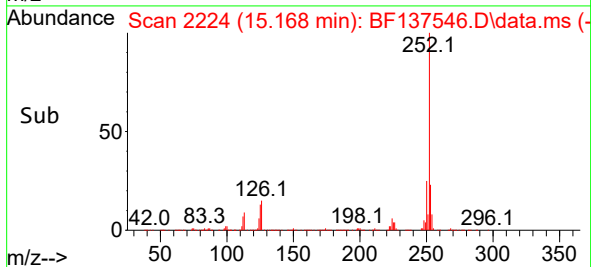
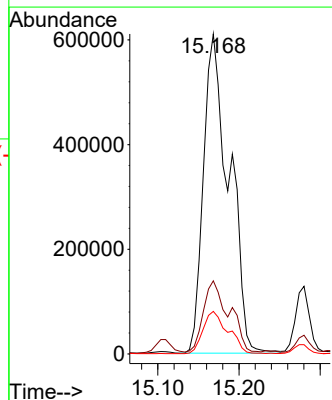
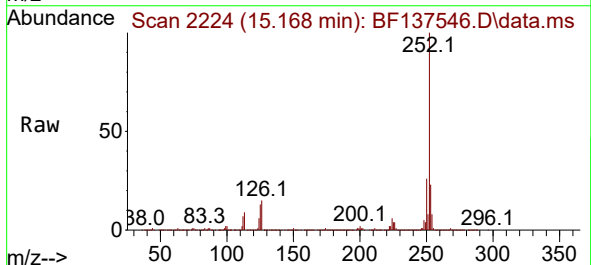
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

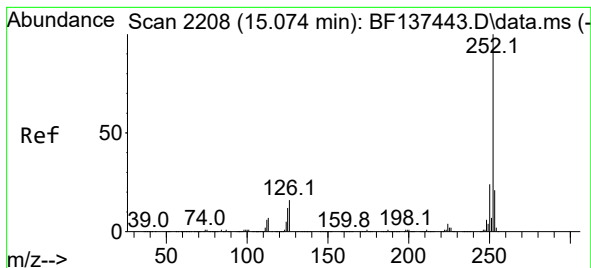
Tgt Ion:276 Resp: 68679
Ion Ratio Lower Upper
276 100
138 28.6 25.8 38.8
277 26.7 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 51.473 ng
RT: 15.168 min Scan# 2224
Delta R.T. 0.012 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Tgt Ion:252 Resp: 1348824
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 13.3 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 47.922 ng

RT: 15.168 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

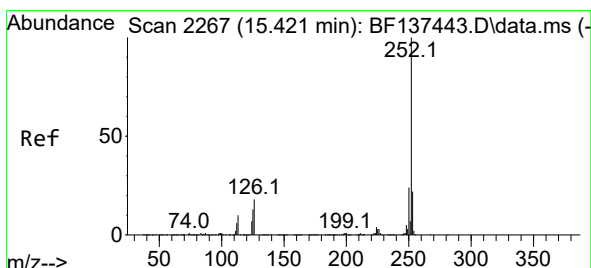
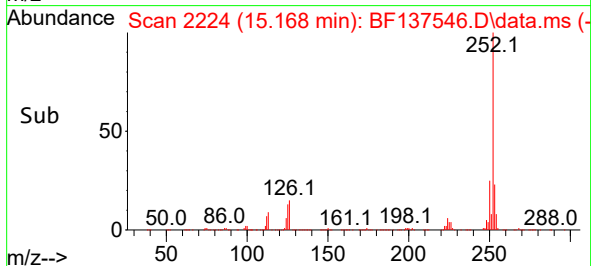
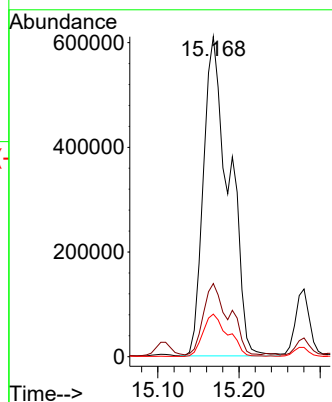
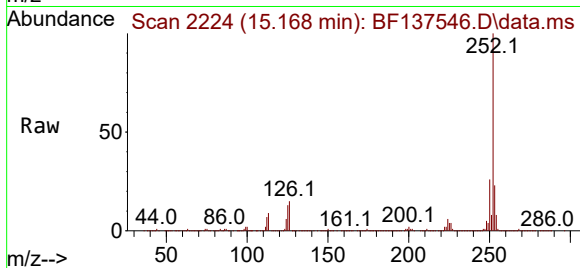
Tgt Ion:252 Resp: 1348824

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 13.3 9.6 14.4



#90

Benzo(a)pyrene

Concen: 30.741 ng

RT: 15.562 min Scan# 2291

Delta R.T. 0.012 min

Lab File: BF137546.D

Acq: 08 Mar 2024 16:41

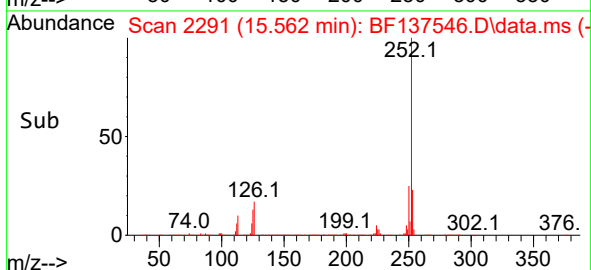
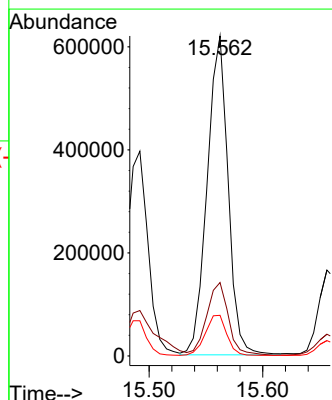
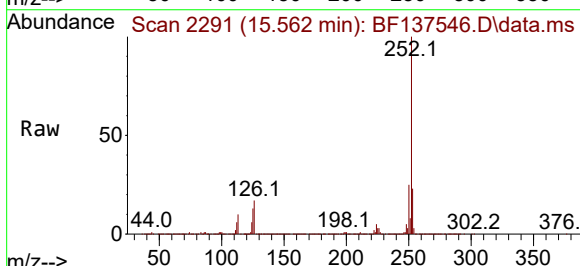
Tgt Ion:252 Resp: 793838

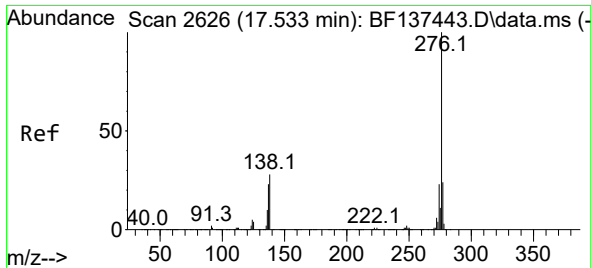
Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

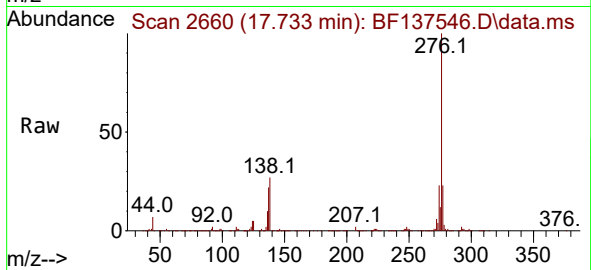
125 12.7 10.4 15.6





#92
Benzo(g,h,i)perylene
Concen: 13.694 ng
RT: 17.733 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF137546.D
Acq: 08 Mar 2024 16:41

Instrument :
BNA_F
ClientSampleId :
COMP-1DL



Tgt Ion:276 Resp: 332588
Ion Ratio Lower Upper
276 100
277 23.4 19.0 28.4
138 27.2 22.2 33.2

