

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010824\
 Data File : BF137009.D
 Acq On : 08 Jan 2024 22:40
 Operator : CG\JU
 Sample : P1050-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT24029

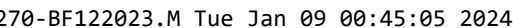
Quant Time: Jan 09 00:44:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

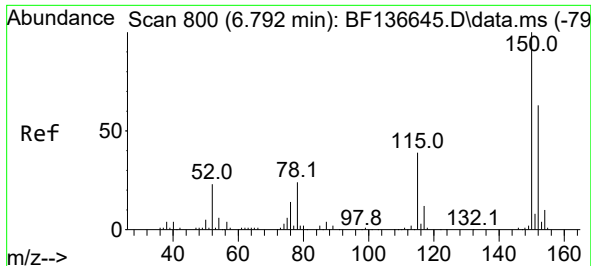
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	48370	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	158667	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	60396	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	69247	20.000	ng	# 0.05
76) Chrysene-d12	14.015	240	84283	20.000	ng	# 0.05
86) Perylene-d12	15.492	264	86217	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	24696	7.966	ng	0.00
7) Phenol-d6	6.445	99	35392	8.811	ng	0.00
23) Nitrobenzene-d5	7.345	82	21476	6.926	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	6034	8.483	ng	0.03
45) 2-Fluorobiphenyl	9.139	172	47001	10.467	ng	-0.01
79) Terphenyl-d14	12.963	244	40623	6.736	ng	0.05
Target Compounds						Qvalue
50) Dimethylphthalate	9.510	163	9302	2.109	ng	# 14
51) 2,6-Dinitrotoluene	9.627	165	8731	8.721	ng	# 36
53) 3-Nitroaniline	9.780	138	8783	8.281	ng	# 14
54) 2,4-Dinitrophenol	9.922	184	454	4.515	ng	# 1
56) 4-Nitrophenol	9.980	139	4092	5.715	ng	# 1
57) 2,4-Dinitrotoluene	10.010	165	10301	7.925	ng	# 33
60) Diethylphthalate	10.263	149	46678	10.198	ng	# 44
62) 4-Nitroaniline	10.386	138	2171	2.123	ng	# 32
63) Azobenzene	10.551	77	14049	3.286	ng	# 48
65) 4,6-Dinitro-2-methylph...	10.469	198	2526	6.365	ng	# 1
66) n-Nitrosodiphenylamine	10.527	169	17846	7.933	ng	# 79
69) Atrazine	11.069	200	10475	18.206	ng	# 1
71) Phenanthrene	11.392	178	10442	2.939	ng	# 1
74) Di-n-butylphthalate	11.927	149	22564	5.451	ng	# 26
75) Fluoranthene	12.604	202	17035	4.482	ng	# 1
78) Pyrene	12.833	202	19875	2.402	ng	# 23
80) Butylbenzylphthalate	13.421	149	15645	5.197	ng	# 79
83) Chrysene	14.039	228	13108	2.290	ng	# 73
84) Bis(2-ethylhexyl)phtha...	13.974	149	19105	5.044	ng	# 77
85) Di-n-octyl phthalate	14.586	149	16163	2.759	ng	# 74
88) Benzo(b)fluoranthene	15.057	252	23468	4.075	ng	# 1
89) Benzo(k)fluoranthene	15.057	252	23468	4.313	ng	# 1

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

Quant Time: Jan 09 00:44:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

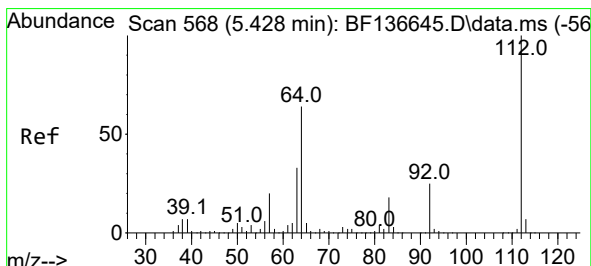
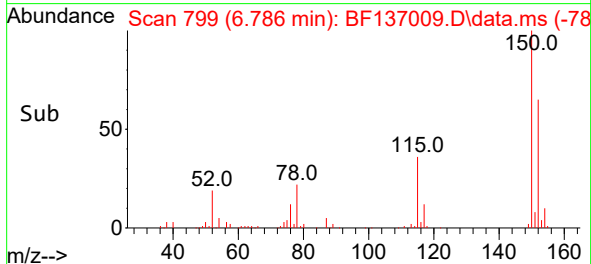
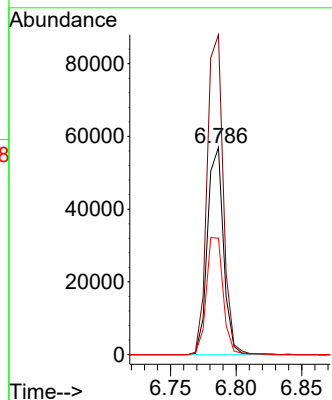
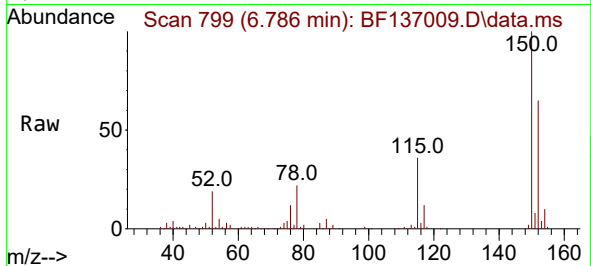




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

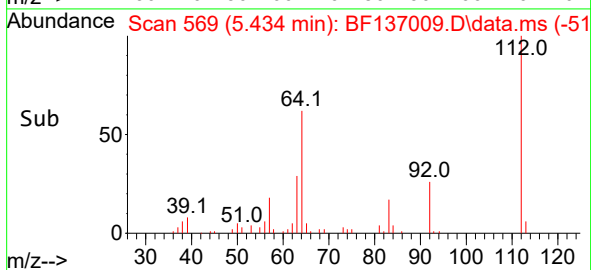
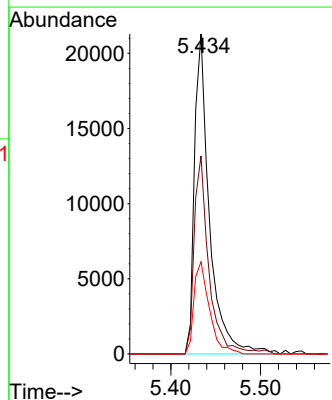
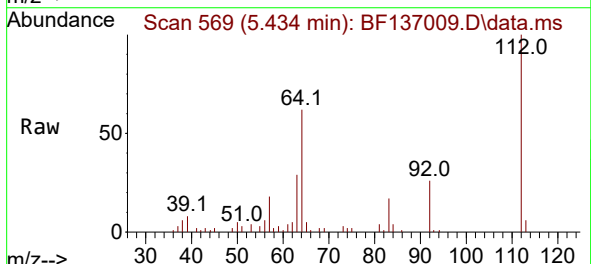
Instrument :
BNA_F
ClientSampleId :
CHRT24029

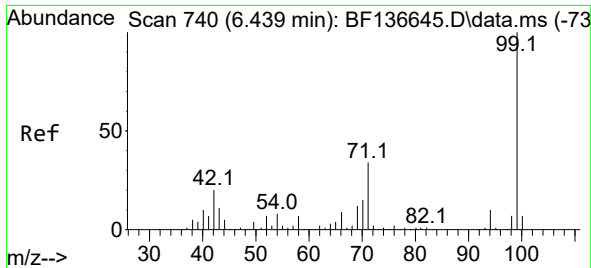
Tgt Ion:152 Resp: 48370
Ion Ratio Lower Upper
152 100
150 154.4 127.0 190.6
115 56.2 49.0 73.4



#5
2-Fluorophenol
Concen: 7.966 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

Tgt Ion:112 Resp: 24696
Ion Ratio Lower Upper
112 100
64 61.9 51.1 76.7
63 28.8 26.1 39.1

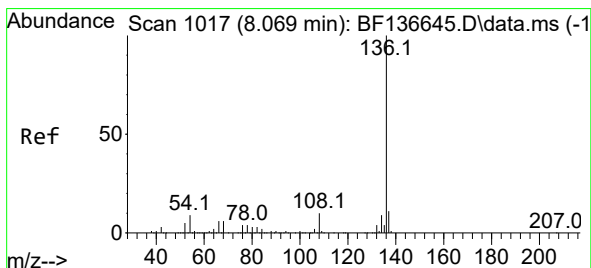
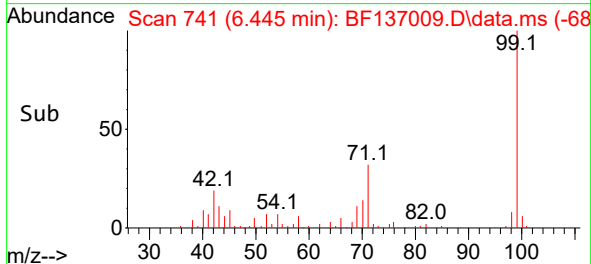
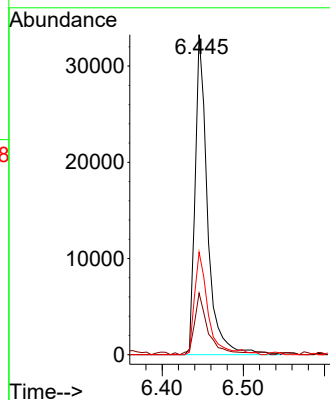
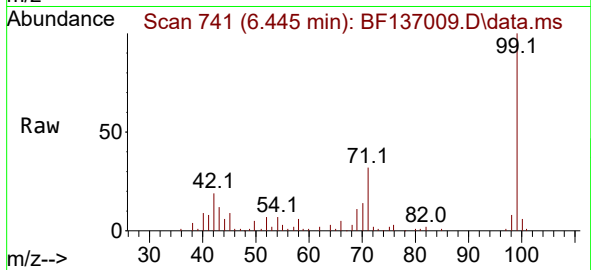




#7
Phenol-d6
Concen: 8.811 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

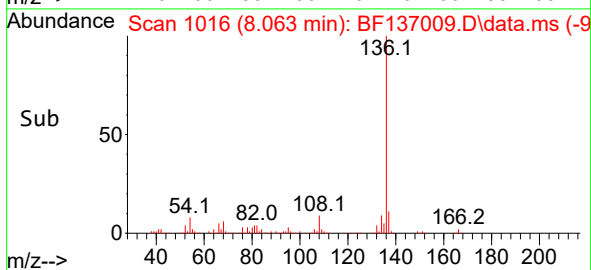
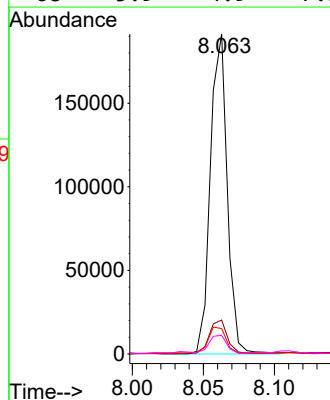
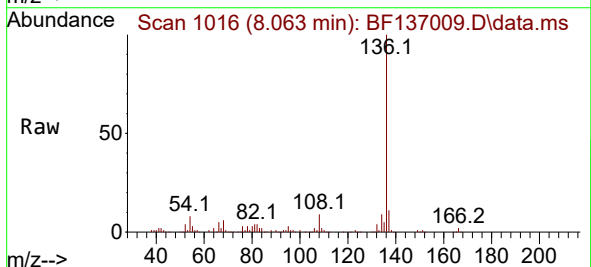
Instrument :
BNA_F
ClientSampleId :
CHRT24029

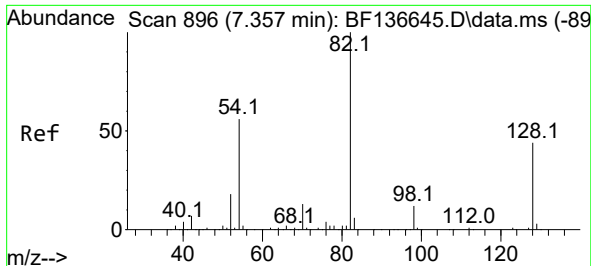
Tgt Ion: 99 Resp: 35392
Ion Ratio Lower Upper
99 100
42 19.2 16.1 24.1
71 32.1 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

Tgt Ion: 136 Resp: 158667
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 7.9 7.2 10.8
68 5.9 4.9 7.3

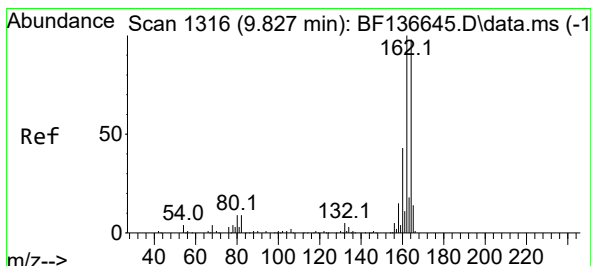
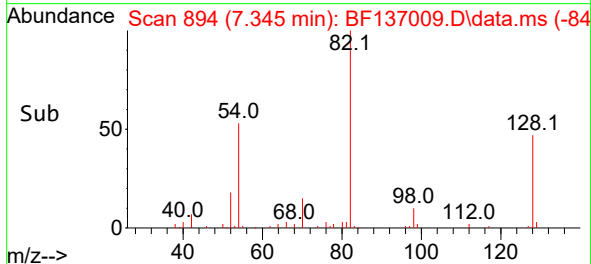
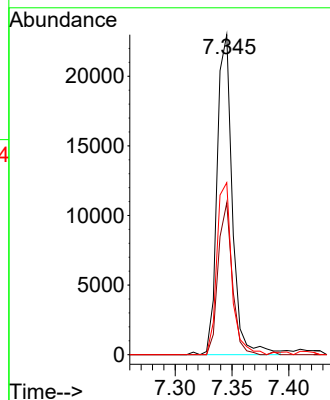
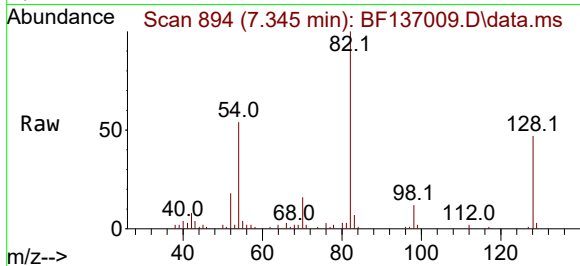




#23
Nitrobenzene-d5
Concen: 6.926 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

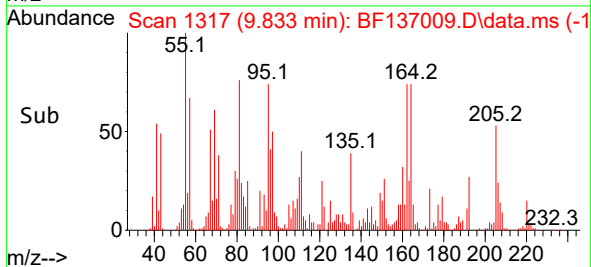
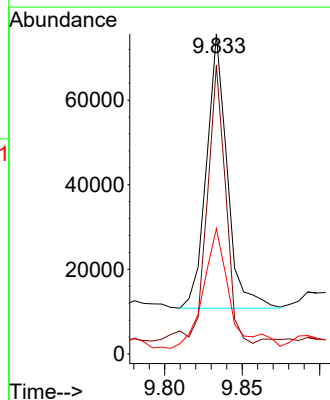
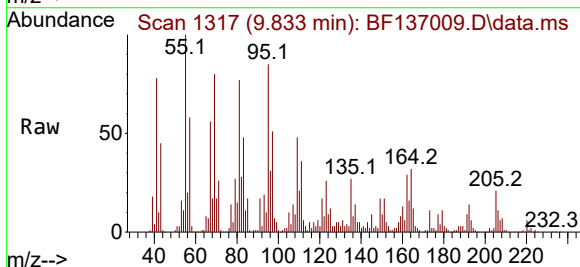
Instrument :
BNA_F
ClientSampleId :
CHRT24029

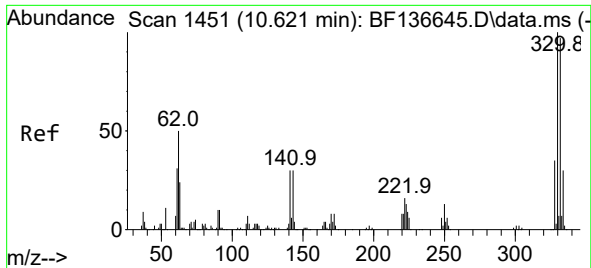
Tgt Ion: 82 Resp: 21476
Ion Ratio Lower Upper
82 100
128 47.5 35.3 52.9
54 53.7 44.5 66.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

Tgt Ion:164 Resp: 60396
Ion Ratio Lower Upper
164 100
162 90.3 81.6 122.4
160 39.1 34.9 52.3

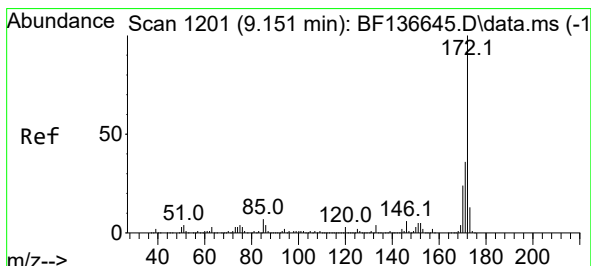
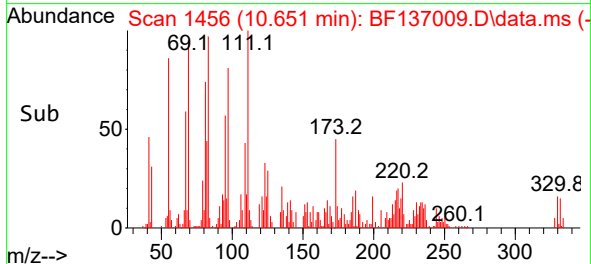
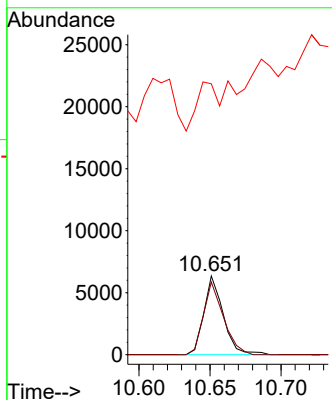
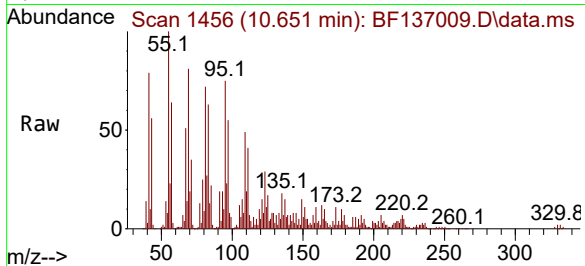




#42
2,4,6-Tribromophenol
Concen: 8.483 ng
RT: 10.651 min Scan# 1451
Delta R.T. 0.029 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

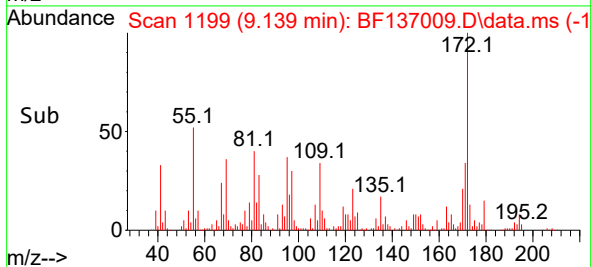
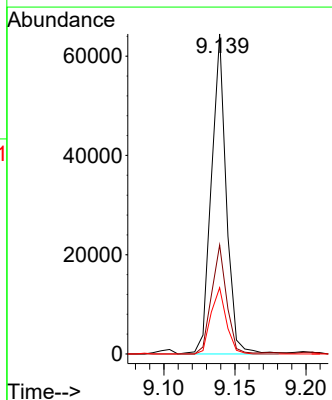
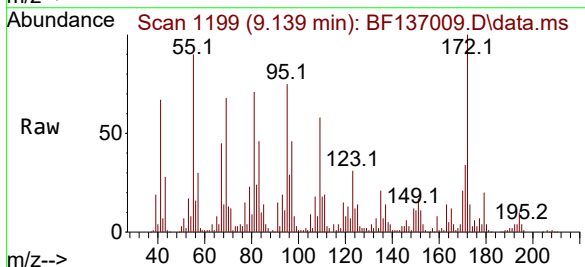
Instrument :
BNA_F
ClientSampleId :
CHRT24029

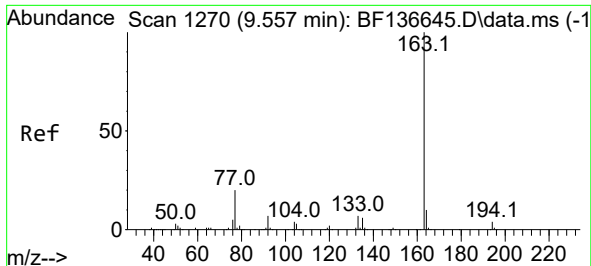
Tgt Ion: 330 Resp: 6034
Ion Ratio Lower Upper
330 100
332 95.4 77.4 116.0
141 67.2 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 10.467 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

Tgt Ion: 172 Resp: 47001
Ion Ratio Lower Upper
172 100
171 34.1 29.0 43.6
170 20.7 19.0 28.4

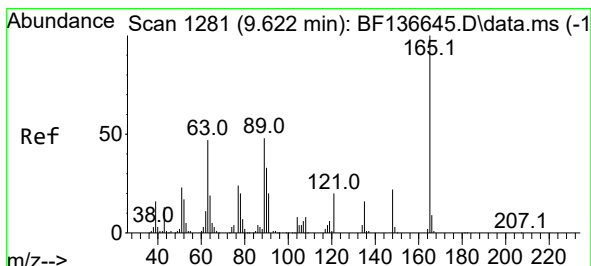
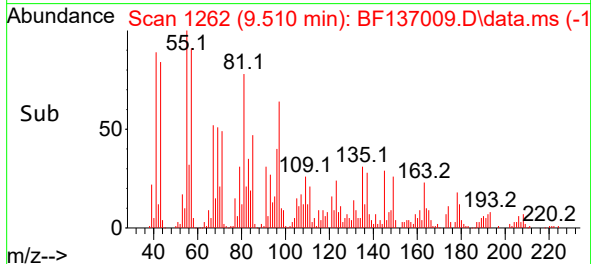
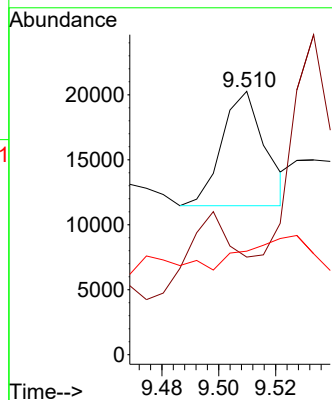
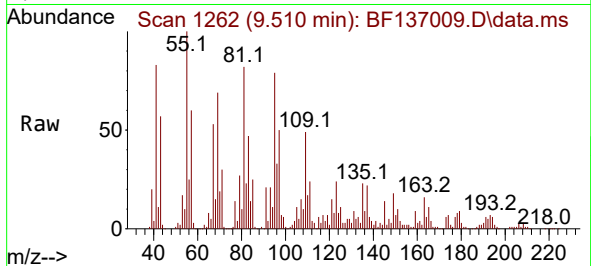




#50
Dimethylphthalate
Concen: 2.109 ng
RT: 9.510 min Scan# 1262
Delta R.T. -0.047 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

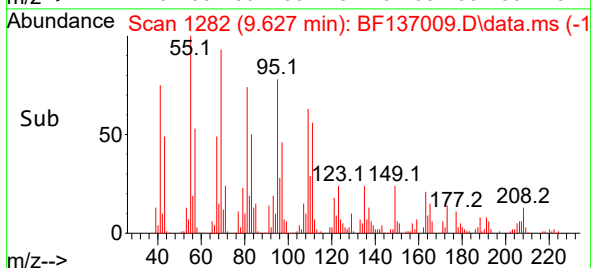
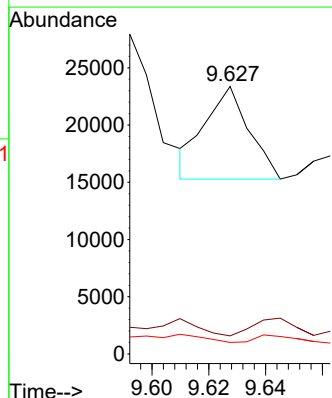
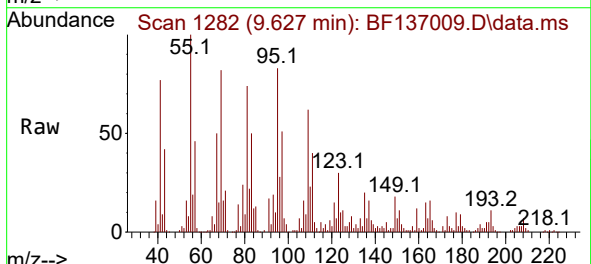
Instrument :
BNA_F
ClientSampleId :
CHRT24029

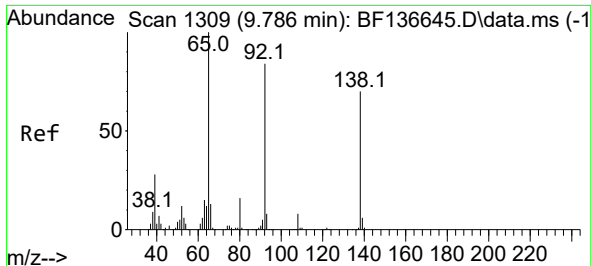
Tgt Ion:163 Resp: 9302
Ion Ratio Lower Upper
163 100
194 37.1 3.3 4.9#
164 39.3 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.721 ng
RT: 9.627 min Scan# 1282
Delta R.T. 0.006 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

Tgt Ion:165 Resp: 8731
Ion Ratio Lower Upper
165 100
63 6.8 39.8 59.6#
89 4.3 38.8 58.2#

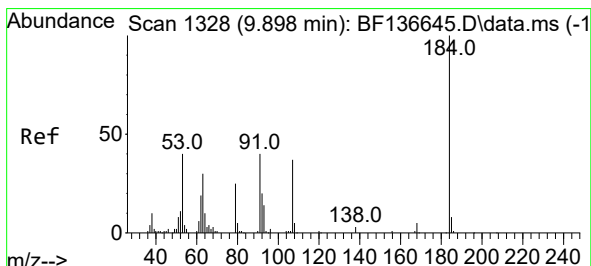
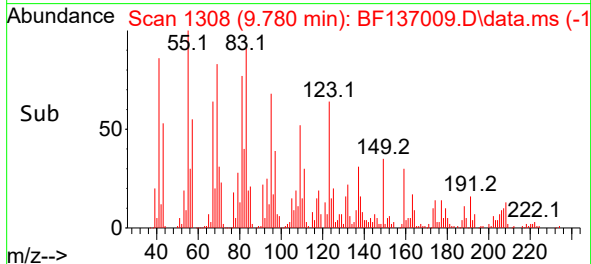
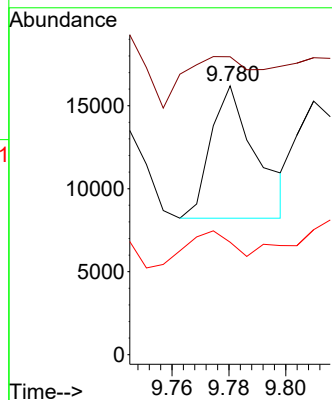
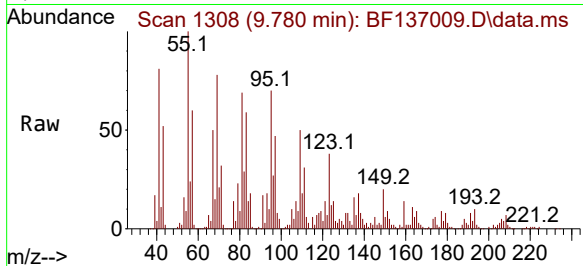




#53
3-Nitroaniline
Concen: 8.281 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

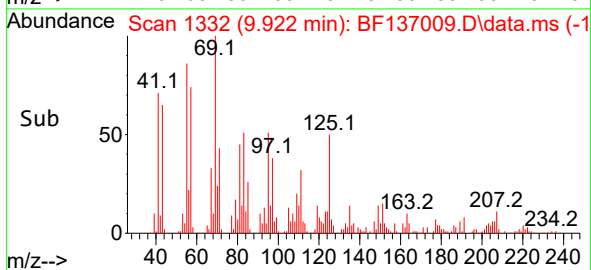
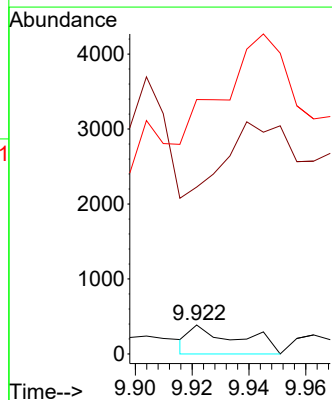
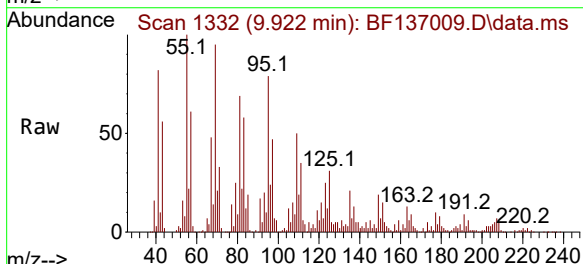
Instrument :
BNA_F
ClientSampleId :
CHRT24029

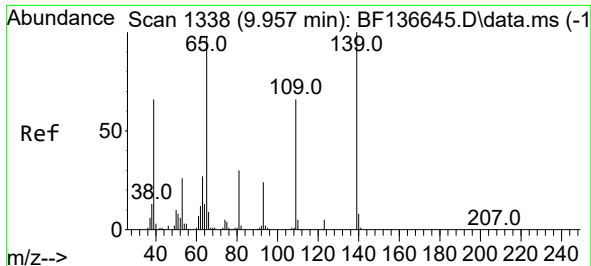
Tgt Ion:138 Resp: 8783
Ion Ratio Lower Upper
138 100
108 110.8 8.6 12.8#
92 41.9 95.2 142.8#



#54
2,4-Dinitrophenol
Concen: 4.515 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.024 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

Tgt Ion:184 Resp: 454
Ion Ratio Lower Upper
184 100
63 574.9 40.9 61.3#
154 876.7 42.7 64.1#

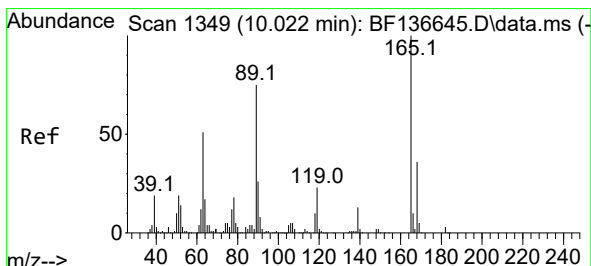
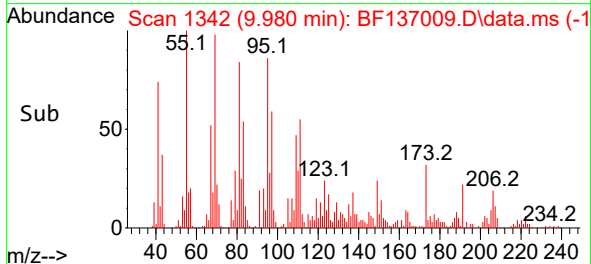
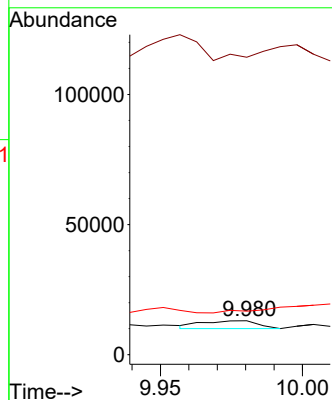
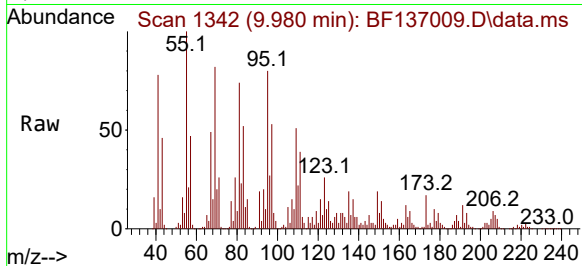




#56
4-Nitrophenol
Concen: 5.715 ng
RT: 9.980 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

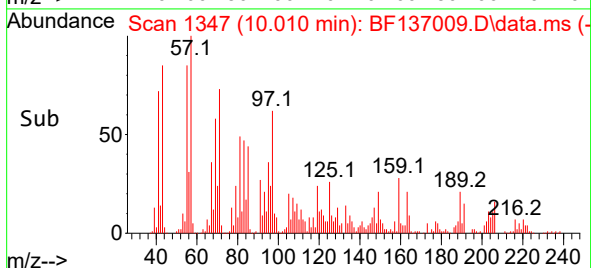
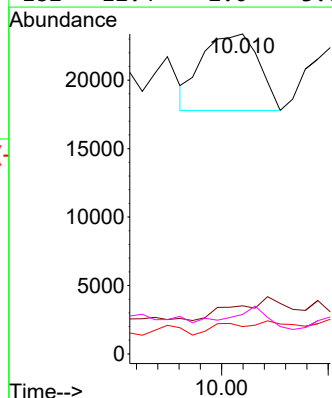
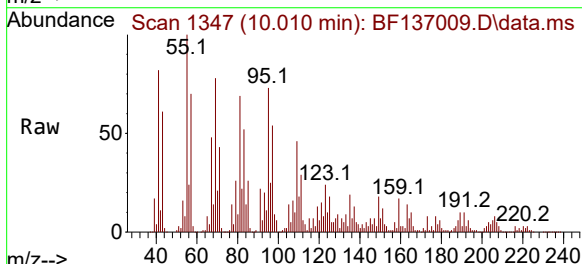
Instrument :
BNA_F
ClientSampleId :
CHRT24029

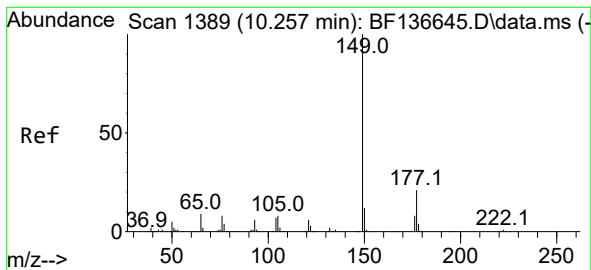
Tgt Ion:139 Resp: 4092
Ion Ratio Lower Upper
139 100
109 874.6 45.8 85.8#
65 128.1 77.8 117.8#



#57
2,4-Dinitrotoluene
Concen: 7.925 ng
RT: 10.010 min Scan# 1347
Delta R.T. -0.012 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

Tgt Ion:165 Resp: 10301
Ion Ratio Lower Upper
165 100
63 15.1 41.0 61.6#
89 8.6 59.9 89.9#
182 12.4 2.0 3.0#





#60

Diethylphthalate

Concen: 10.198 ng

RT: 10.263 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF137009.D

Acq: 08 Jan 2024 22:40

Instrument :

BNA_F

ClientSampleId :

CHRT24029

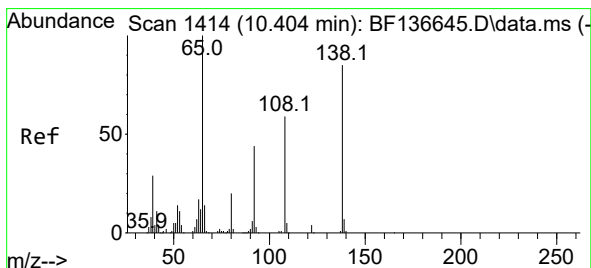
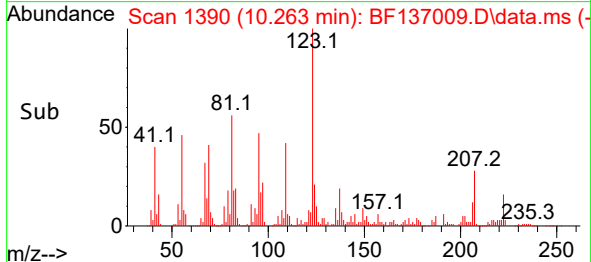
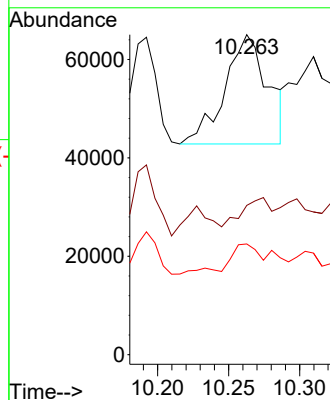
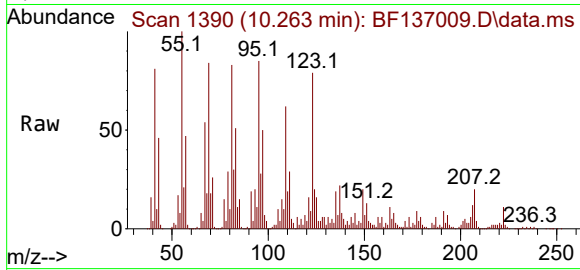
Tgt Ion:149 Resp: 46678

Ion Ratio Lower Upper

149 100

177 46.6 16.9 25.3#

150 34.6 9.3 13.9#



#62

4-Nitroaniline

Concen: 2.123 ng

RT: 10.386 min Scan# 1411

Delta R.T. -0.018 min

Lab File: BF137009.D

Acq: 08 Jan 2024 22:40

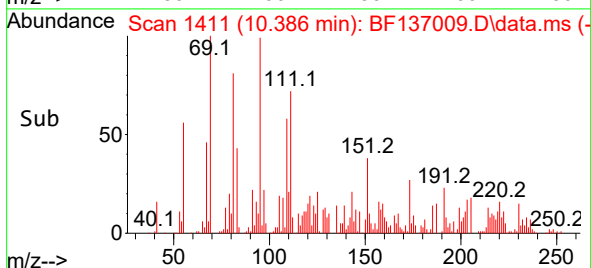
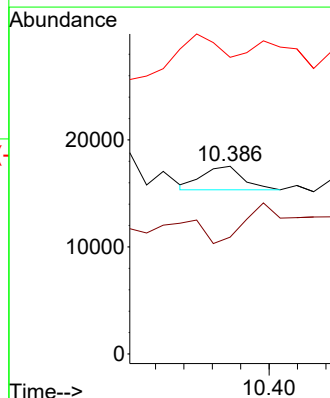
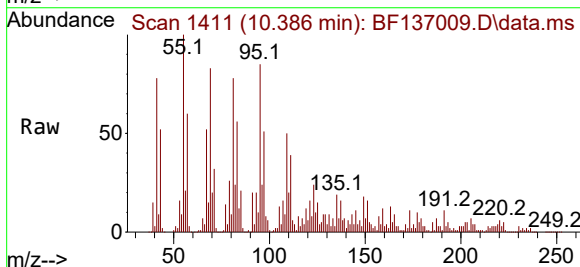
Tgt Ion:138 Resp: 2171

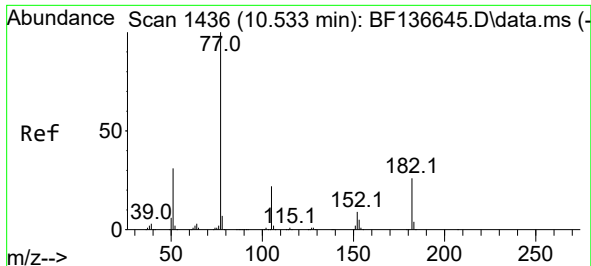
Ion Ratio Lower Upper

138 100

92 62.2 32.1 72.1

108 158.0 50.1 90.1#

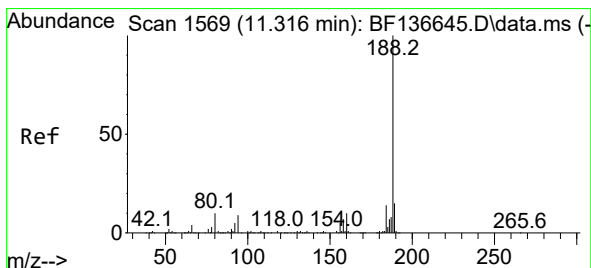
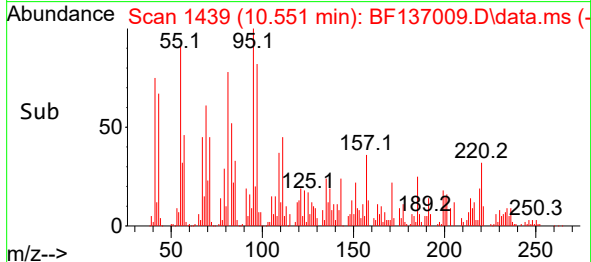
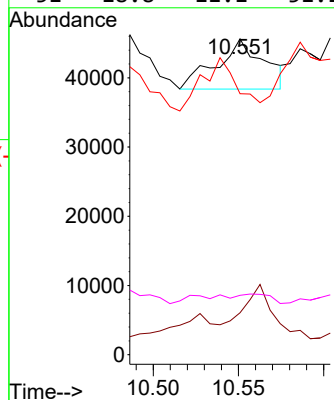
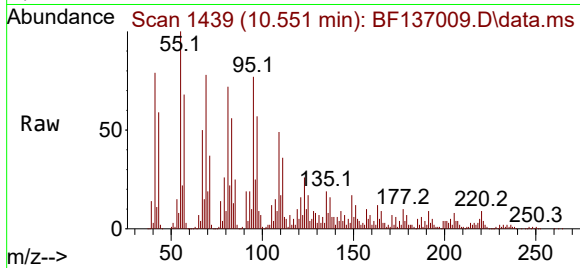




#63
Azobenzene
Concen: 3.286 ng
RT: 10.551 min Scan# 1436
Delta R.T. 0.018 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

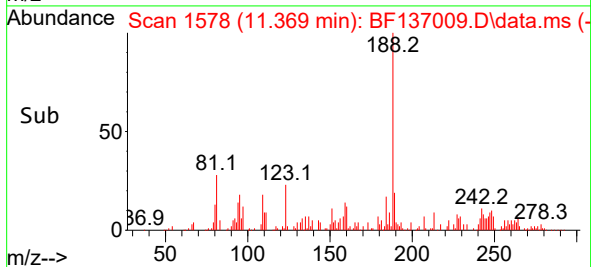
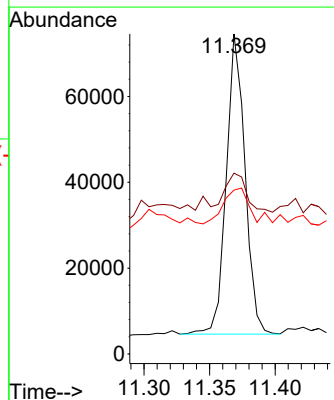
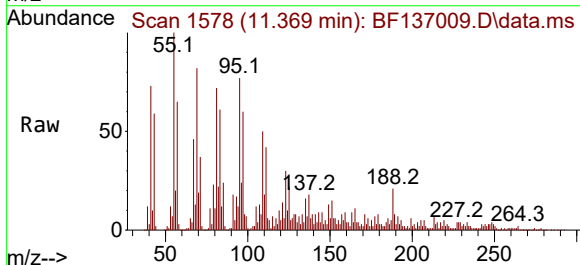
Instrument :
BNA_F
ClientSampleId :
CHRT24029

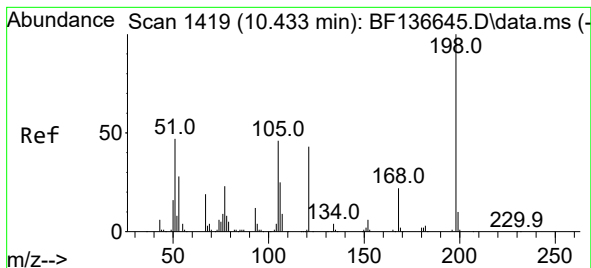
Tgt Ion: 77	Resp: 14049
Ion Ratio	Lower Upper
77 100	
182 13.3	6.0 46.0
105 82.7	2.3 42.3#
51 18.8	11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.053 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

Tgt Ion:188	Resp: 69247
Ion Ratio	Lower Upper
188 100	
94 56.5	7.5 11.3#
80 51.2	8.1 12.1#

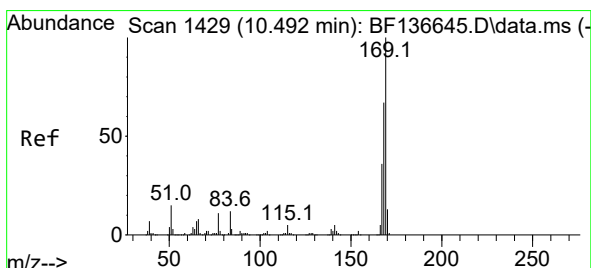
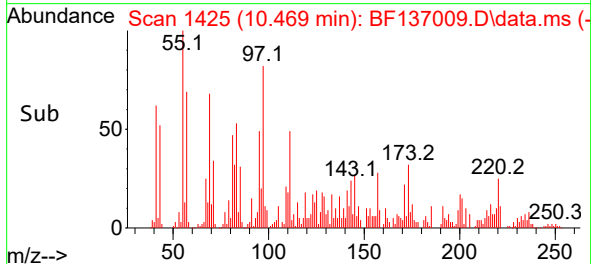
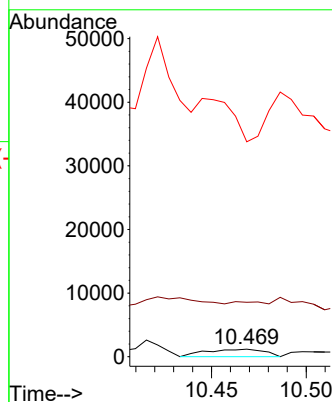
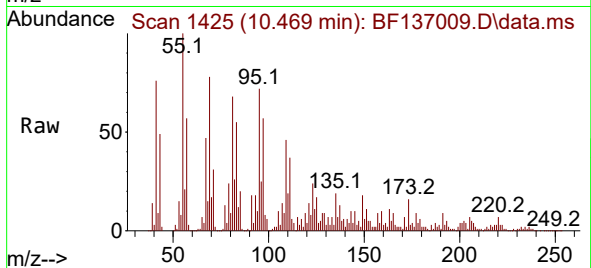




#65
4,6-Dinitro-2-methylphenol
Concen: 6.365 ng
RT: 10.469 min Scan# 1419
Delta R.T. 0.035 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

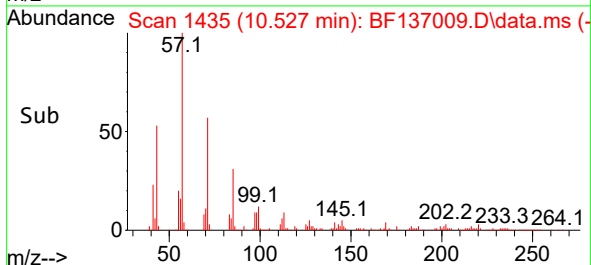
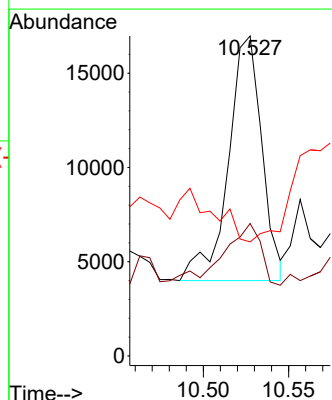
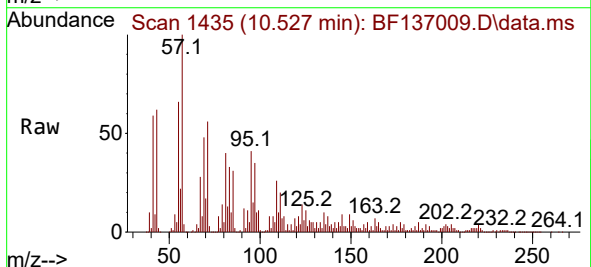
Instrument :
BNA_F
ClientSampleId :
CHRT24029

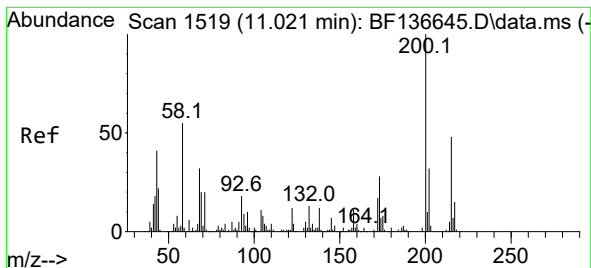
Tgt Ion:198 Resp: 2526
Ion Ratio Lower Upper
198 100
51 715.0 34.1 74.1#
105 2826.4 27.3 67.3#



#66
n-Nitrosodiphenylamine
Concen: 7.933 ng
RT: 10.527 min Scan# 1435
Delta R.T. 0.035 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

Tgt Ion:169 Resp: 17846
Ion Ratio Lower Upper
169 100
168 41.4 53.8 80.6#
167 35.7 28.7 43.1





#69

Atrazine

Concen: 18.206 ng

RT: 11.069 min Scan# 11

Delta R.T. 0.047 min

Lab File: BF137009.D

Acq: 08 Jan 2024 22:40

Instrument :

BNA_F

ClientSampleId :

CHRT24029

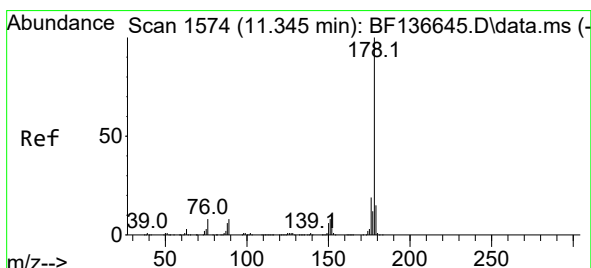
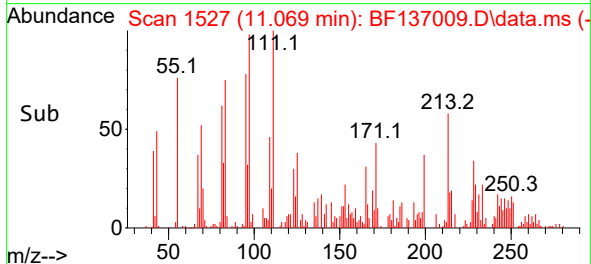
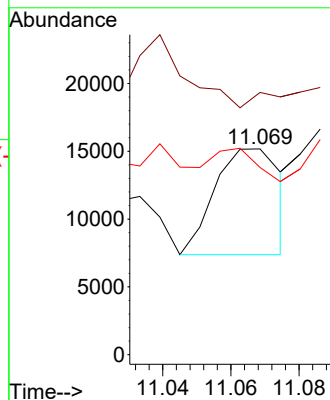
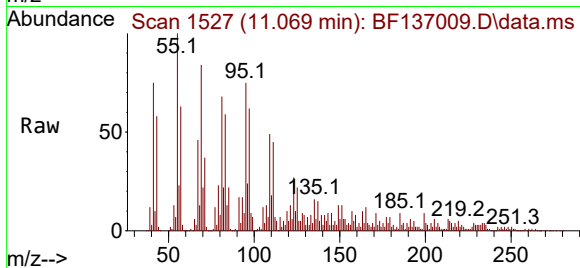
Tgt Ion:200 Resp: 10475

Ion Ratio Lower Upper

200 100

173 127.5 7.6 47.6#

215 91.0 28.3 68.3#



#71

Phenanthrene

Concen: 2.939 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.047 min

Lab File: BF137009.D

Acq: 08 Jan 2024 22:40

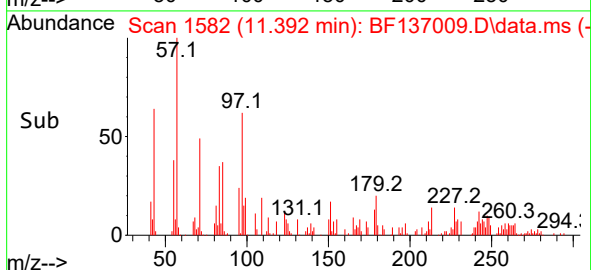
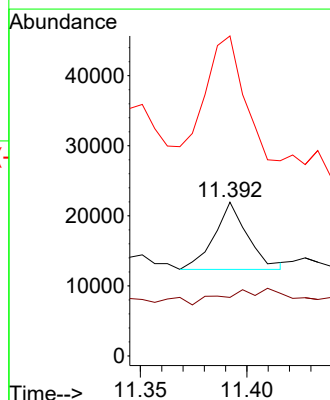
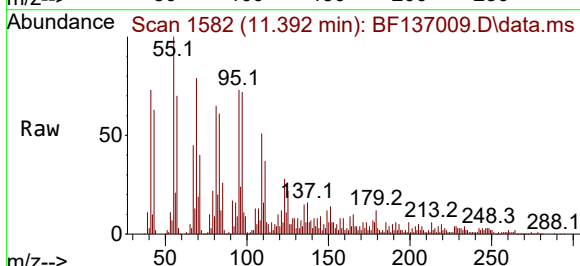
Tgt Ion:178 Resp: 10442

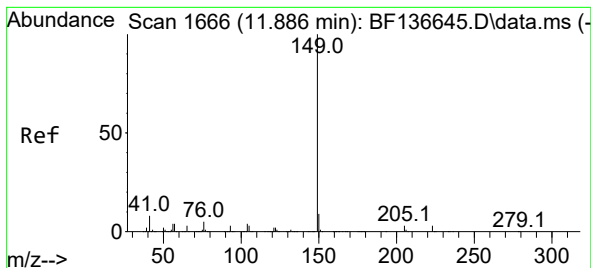
Ion Ratio Lower Upper

178 100

176 38.1 15.3 22.9#

179 208.2 11.9 17.9#





#74

Di-n-butylphthalate

Concen: 5.451 ng

RT: 11.927 min Scan# 1

Delta R.T. 0.041 min

Lab File: BF137009.D

Acq: 08 Jan 2024 22:40

Instrument :

BNA_F

ClientSampleId :

CHRT24029

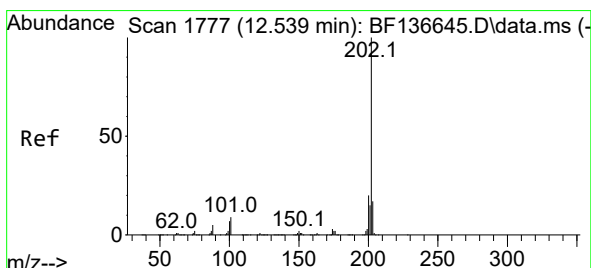
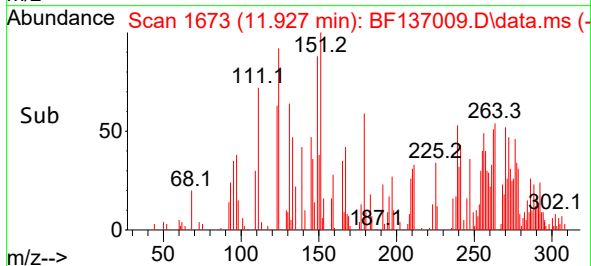
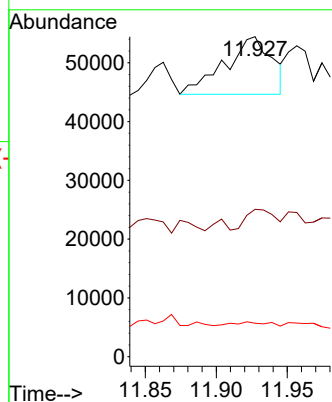
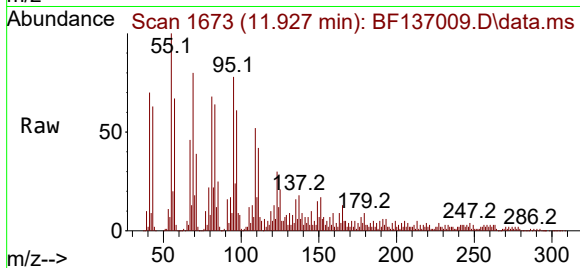
Tgt Ion:149 Resp: 22564

Ion Ratio Lower Upper

149 100

150 46.1 7.4 11.2#

104 10.4 3.6 5.4#



#75

Fluoranthene

Concen: 4.482 ng

RT: 12.604 min Scan# 1788

Delta R.T. 0.065 min

Lab File: BF137009.D

Acq: 08 Jan 2024 22:40

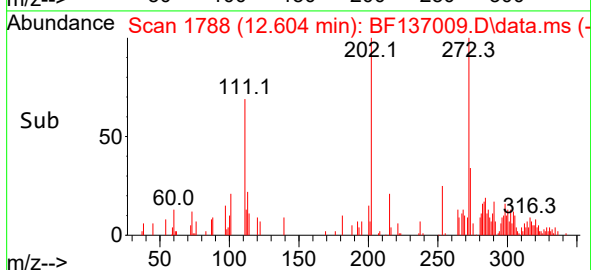
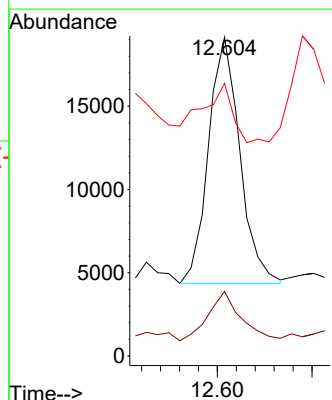
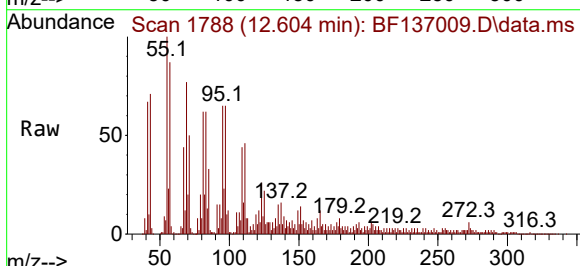
Tgt Ion:202 Resp: 17035

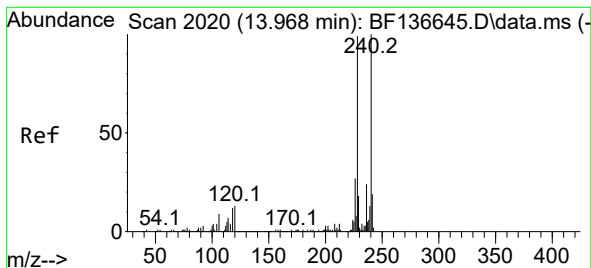
Ion Ratio Lower Upper

202 100

101 20.2 0.0 29.3

203 85.6 0.0 37.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 20

Delta R.T. 0.047 min

Lab File: BF137009.D

Acq: 08 Jan 2024 22:40

Instrument :

BNA_F

ClientSampleId :

CHRT24029

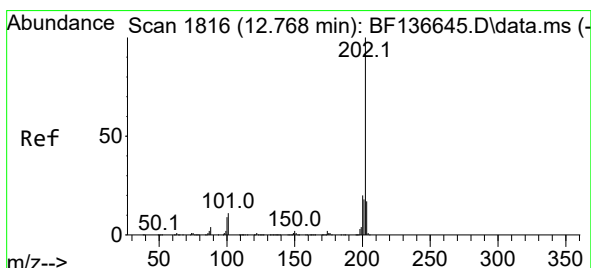
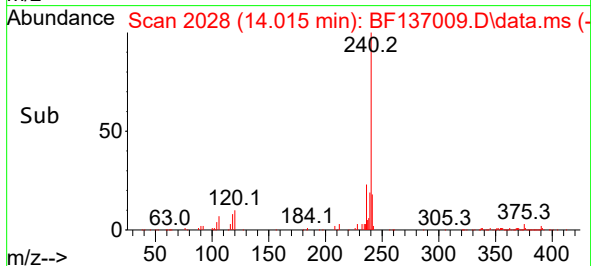
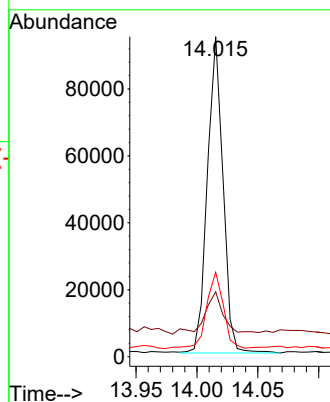
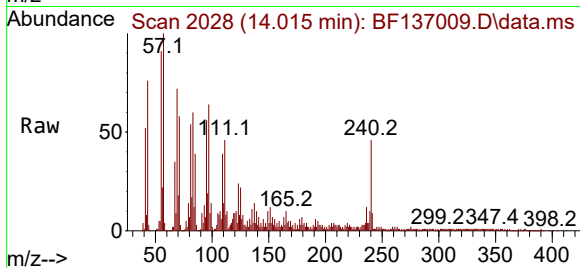
Tgt Ion:240 Resp: 84283

Ion Ratio Lower Upper

240 100

120 20.3 10.3 15.5#

236 26.4 19.4 29.2



#78

Pyrene

Concen: 2.402 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.065 min

Lab File: BF137009.D

Acq: 08 Jan 2024 22:40

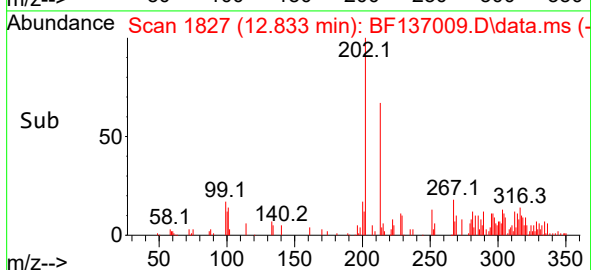
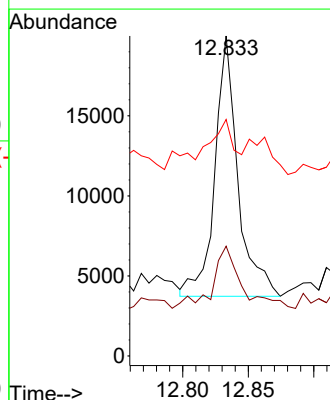
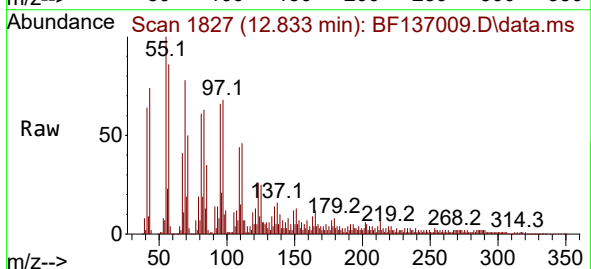
Tgt Ion:202 Resp: 19875

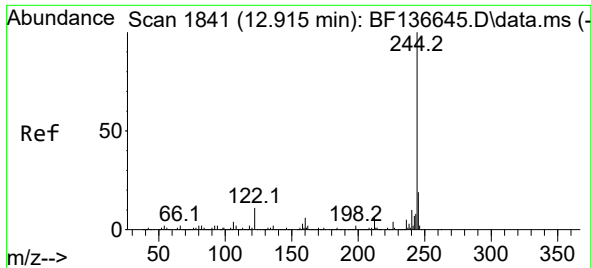
Ion Ratio Lower Upper

202 100

200 34.3 15.9 23.9#

203 73.9 13.8 20.6#

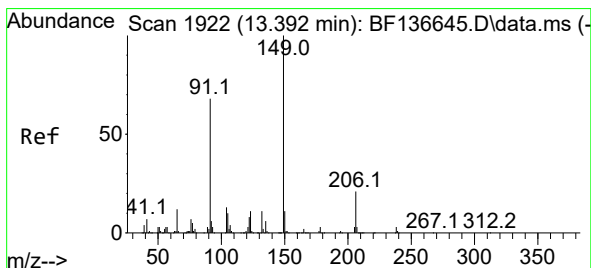
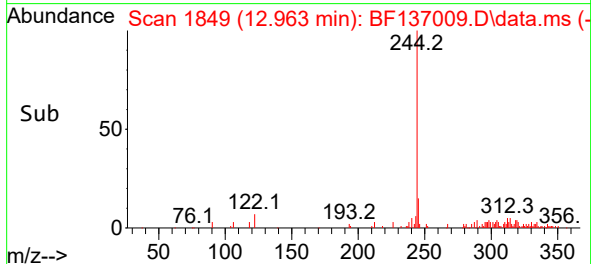
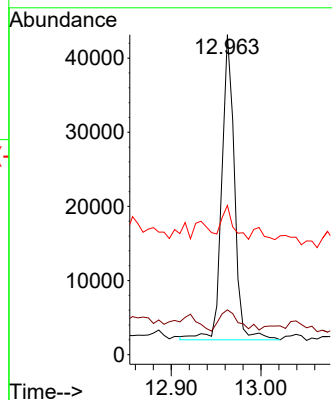
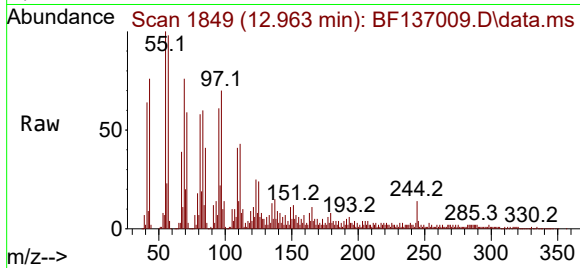




#79
 Terphenyl-d14
 Concen: 6.736 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. 0.047 min
 Lab File: BF137009.D
 Acq: 08 Jan 2024 22:40

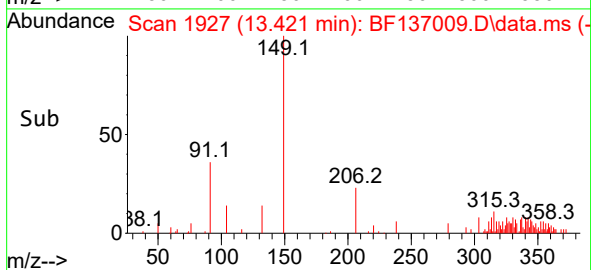
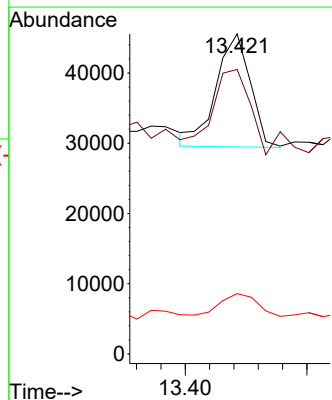
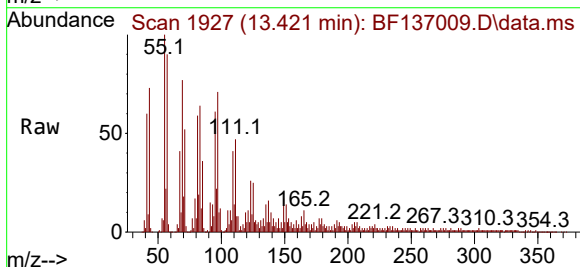
Instrument :
 BNA_F
 ClientSampleId :
 CHRT24029

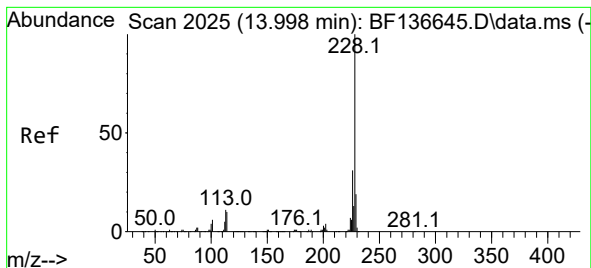
Tgt Ion:244 Resp: 40623
 Ion Ratio Lower Upper
 244 100
 212 14.0 5.0 7.4#
 122 46.6 9.0 13.4#



#80
 Butylbenzylphthalate
 Concen: 5.197 ng
 RT: 13.421 min Scan# 1927
 Delta R.T. 0.029 min
 Lab File: BF137009.D
 Acq: 08 Jan 2024 22:40

Tgt Ion:149 Resp: 15645
 Ion Ratio Lower Upper
 149 100
 91 88.9 54.1 81.1#
 206 18.8 17.1 25.7





#83

Chrysene

Concen: 2.290 ng

RT: 14.039 min Scan# 2021

Delta R.T. 0.041 min

Lab File: BF137009.D

Acq: 08 Jan 2024 22:40

Instrument :

BNA_F

ClientSampleId :

CHRT24029

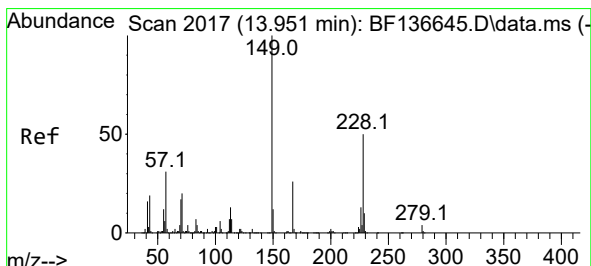
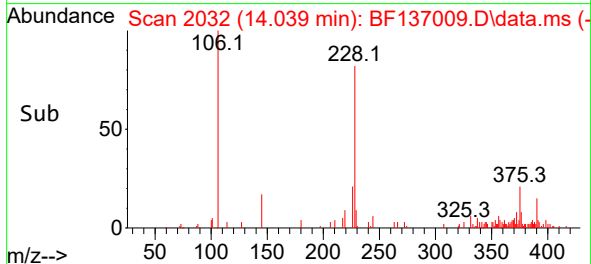
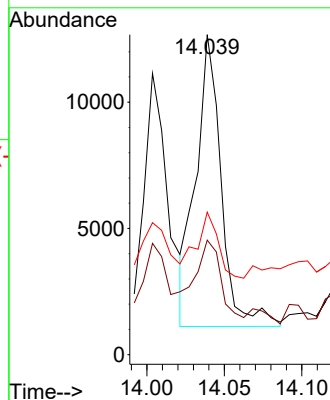
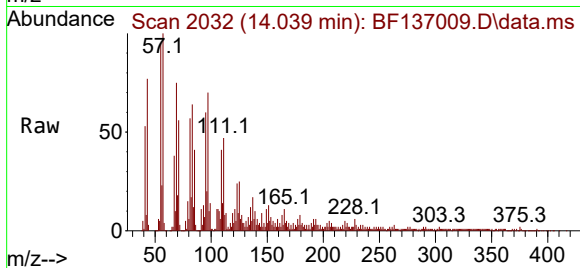
Tgt Ion:228 Resp: 13108

Ion Ratio Lower Upper

228 100

226 35.8 24.7 37.1

229 44.5 15.4 23.0#



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.044 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.024 min

Lab File: BF137009.D

Acq: 08 Jan 2024 22:40

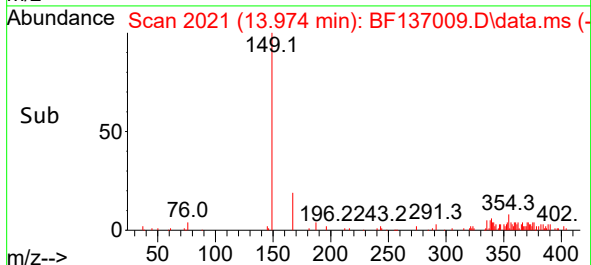
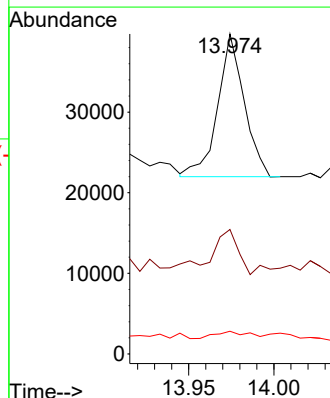
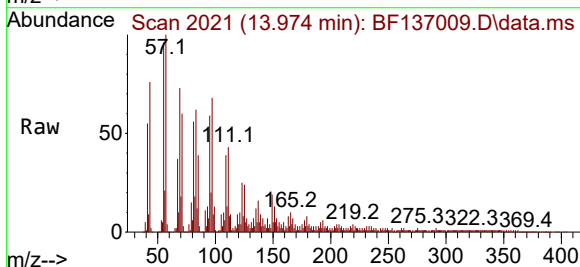
Tgt Ion:149 Resp: 19105

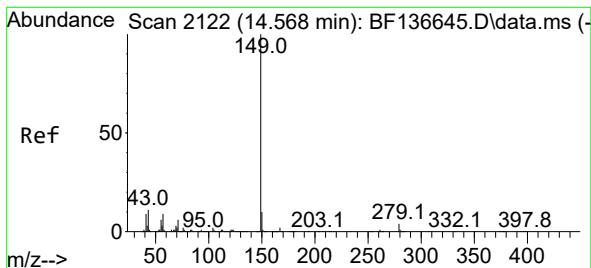
Ion Ratio Lower Upper

149 100

167 38.9 20.9 31.3#

279 7.1 2.9 4.3#





#85

Di-n-octyl phthalate

Concen: 2.759 ng

RT: 14.586 min Scan# 2125

Delta R.T. 0.018 min

Lab File: BF137009.D

Acq: 08 Jan 2024 22:40

Instrument :

BNA_F

ClientSampleId :

CHRT24029

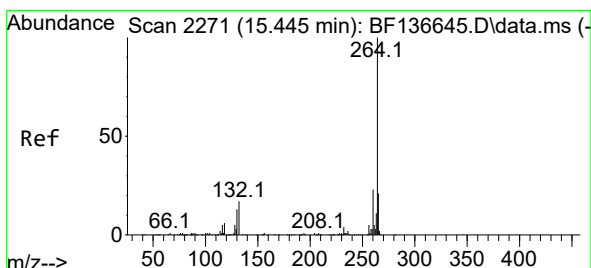
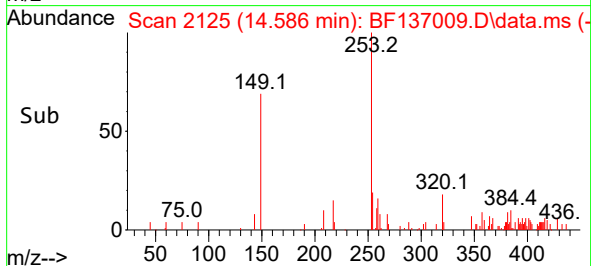
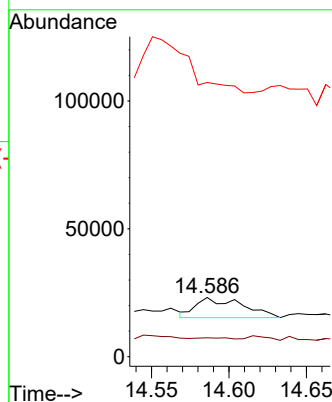
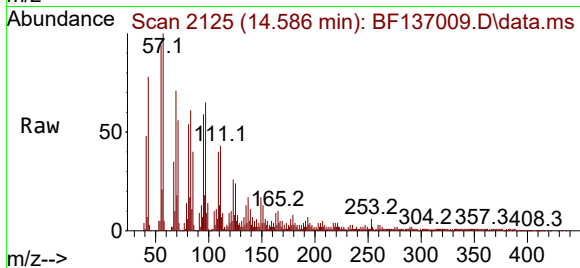
Tgt Ion:149 Resp: 16163

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 8.9 13.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.047 min

Lab File: BF137009.D

Acq: 08 Jan 2024 22:40

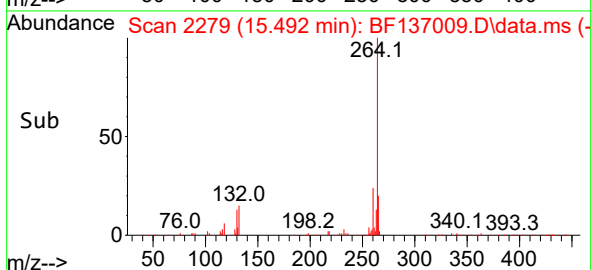
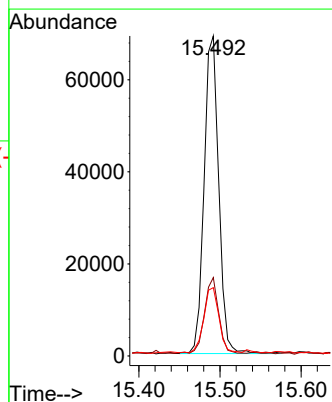
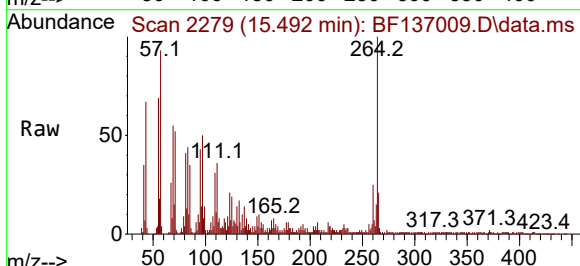
Tgt Ion:264 Resp: 86217

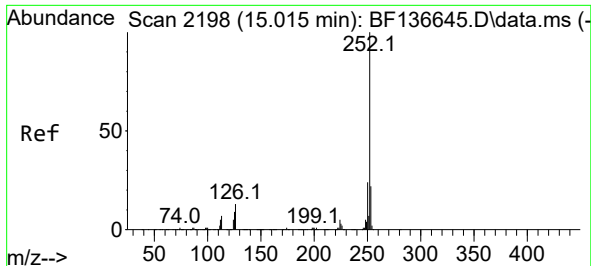
Ion Ratio Lower Upper

264 100

260 24.5 18.3 27.5

265 21.4 17.0 25.6

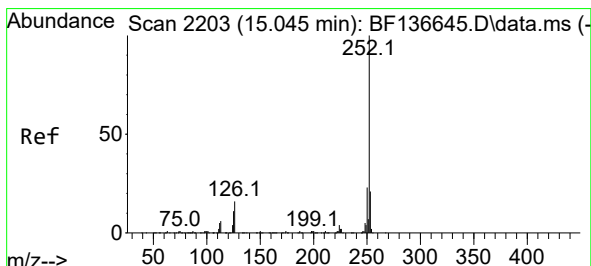
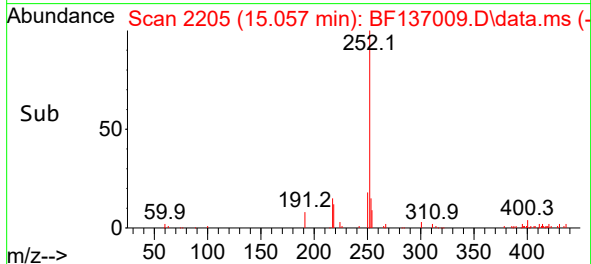
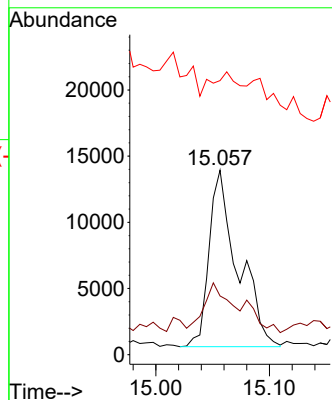
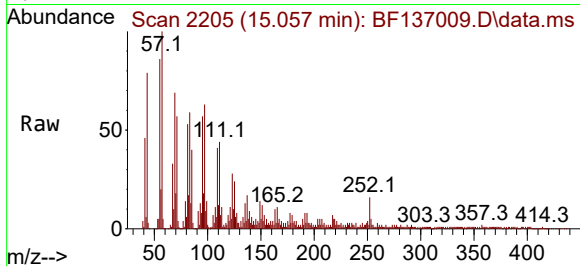




#88
Benzo(b)fluoranthene
Concen: 4.075 ng
RT: 15.057 min Scan# 2198
Delta R.T. 0.041 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

Instrument :
BNA_F
ClientSampleId :
CHRT24029

Tgt Ion:252 Resp: 23468
Ion Ratio Lower Upper
252 100
253 31.9 17.4 26.0#
125 148.5 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 4.313 ng
RT: 15.057 min Scan# 2205
Delta R.T. 0.012 min
Lab File: BF137009.D
Acq: 08 Jan 2024 22:40

Tgt Ion:252 Resp: 23468
Ion Ratio Lower Upper
252 100
253 31.9 17.0 25.6#
125 148.5 8.2 12.4#

