

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
 Data File : BF130950.D
 Acq On : 03 Nov 2022 01:58
 Operator : CG\JU
 Sample : N5392-01DL 4X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OE-1-103122DL

Quant Time: Nov 03 03:52:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 03 03:37:09 2022
 Response via : Initial Calibration

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

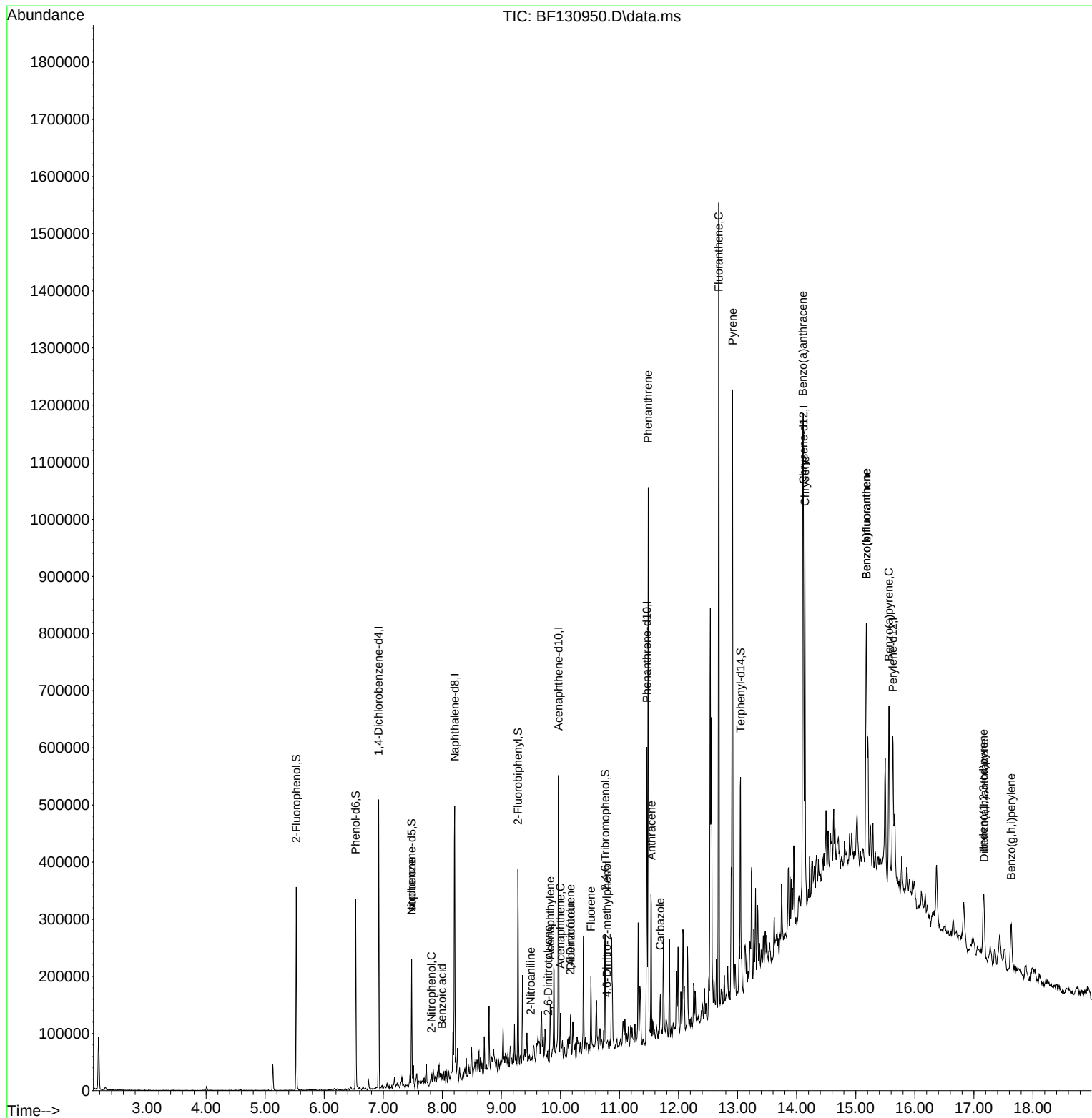
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	60025	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	184690	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	87889	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	174797	20.000	ng	0.00
76) Chrysene-d12	14.115	240	169326	20.000	ng	0.00
86) Perylene-d12	15.627	264	115276	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	76327	22.044	ng	-0.01
7) Phenol-d6	6.534	99	84953	18.881	ng	-0.01
23) Nitrobenzene-d5	7.481	82	54281	17.722	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	18279	24.706	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	86889	14.947	ng	-0.01
79) Terphenyl-d14	13.051	244	123035	13.315	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.481	82	53291	8.437	ng	# 67
26) 2-Nitrophenol	7.816	139	76	4.134	ng	# 1
32) Benzoic acid	7.992	122	54	7.704	ng	# 51
48) 2-Nitroaniline	9.498	65	133	4.222	ng	# 36
49) Acenaphthylene	9.828	152	28817	3.632	ng	98
51) 2,6-Dinitrotoluene	9.792	165	474	3.178	ng	# 13
52) Acenaphthene	9.998	154	10956	2.233	ng	96
55) Dibenzofuran	10.175	168	16349	2.299	ng	97
57) 2,4-Dinitrotoluene	10.169	165	538	4.051	ng	# 1
58) Fluorene	10.516	166	29031	5.184	ng	99
65) 4,6-Dinitro-2-methylph...	10.786	198	100	8.043	ng	# 1
71) Phenanthrene	11.486	178	304451	33.746	ng	99
72) Anthracene	11.539	178	95117	10.689	ng	97
73) Carbazole	11.692	167	19783	2.483	ng	97
75) Fluoranthene	12.680	202	539716	56.305	ng	99
78) Pyrene	12.916	202	439240	30.747	ng	99
81) Benzo(a)anthracene	14.104	228	276449	24.625	ng	95
83) Chrysene	14.139	228	214760	19.833	ng	97
87) Indeno(1,2,3-cd)pyrene	17.162	276	81260	10.615	ng	95
88) Benzo(b)fluoranthene	15.180	252	304418	40.852	ng	97
89) Benzo(k)fluoranthene	15.180	252	304418	41.924	ng	98
90) Benzo(a)pyrene	15.562	252	140678	23.484	ng	96
91) Dibenzo(a,h)anthracene	17.174	278	21146	3.388	ng	# 83
92) Benzo(g,h,i)perylene	17.633	276	71548	11.238	ng	94

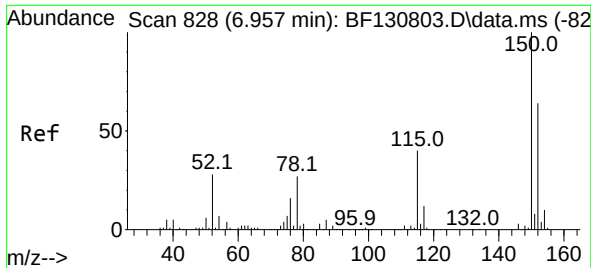
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
Data File : BF130950.D
Acq On : 03 Nov 2022 01:58
Operator : CG\JU
Sample : N5392-01DL 4X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL

Quant Time: Nov 03 03:52:27 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 03 03:37:09 2022
Response via : Initial Calibration

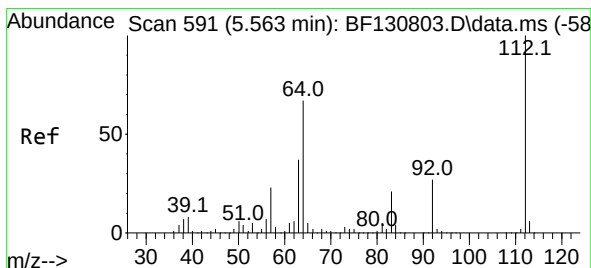
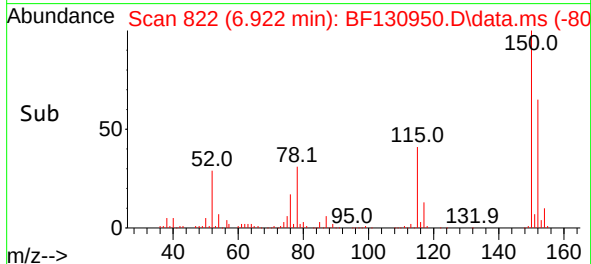
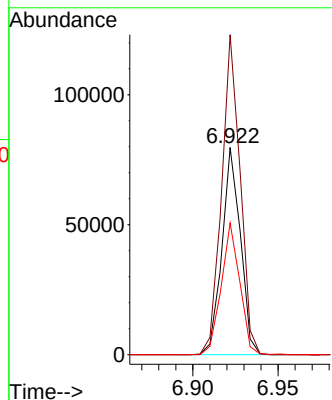
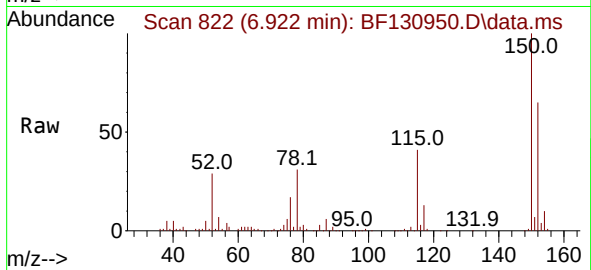




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

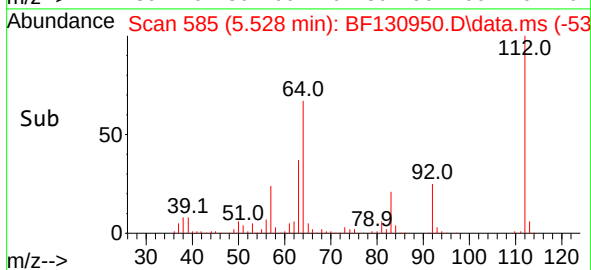
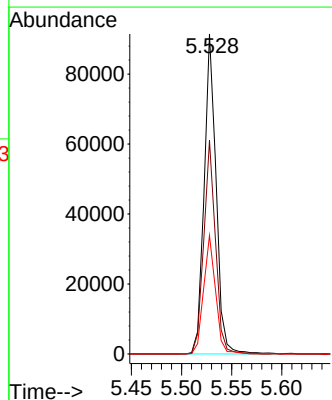
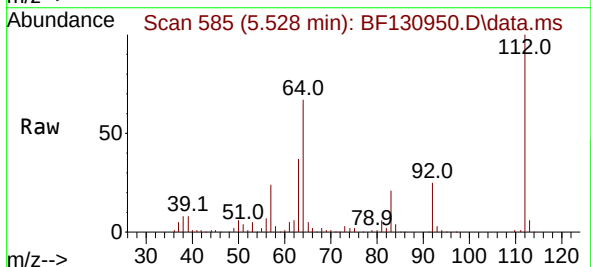
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL

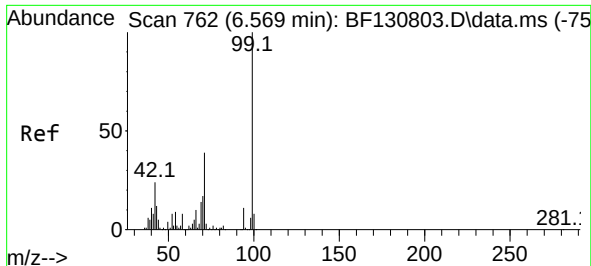
Tgt Ion:152 Resp: 60025
Ion Ratio Lower Upper
152 100
150 154.4 124.1 186.1
115 63.5 50.1 75.1



#5
2-Fluorophenol
Concen: 22.044 ng
RT: 5.528 min Scan# 585
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Tgt Ion:112 Resp: 76327
Ion Ratio Lower Upper
112 100
64 66.8 53.9 80.9
63 37.1 29.4 44.2

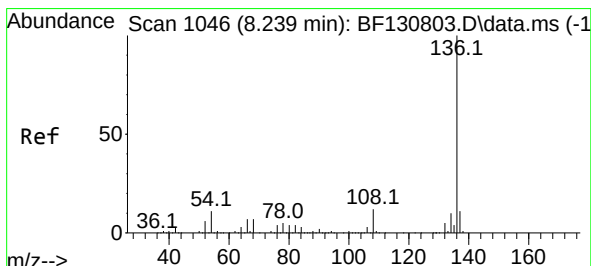
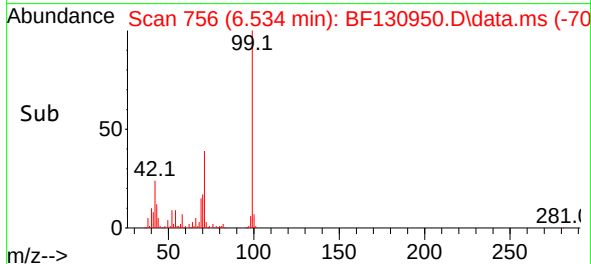
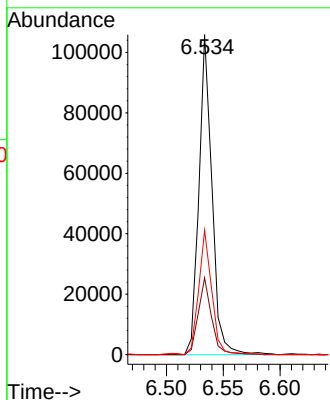
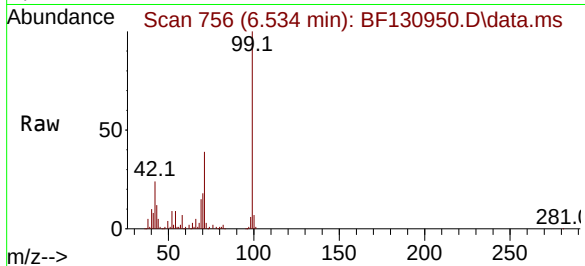




#7
Phenol-d6
Concen: 18.881 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

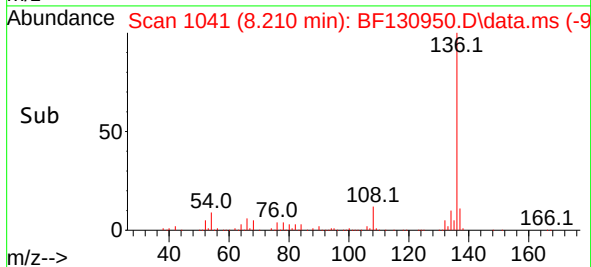
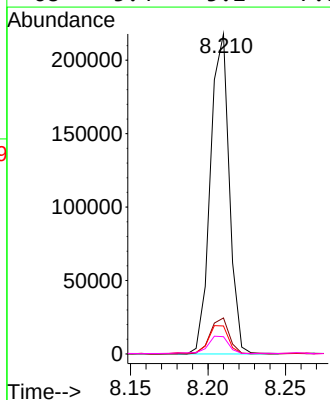
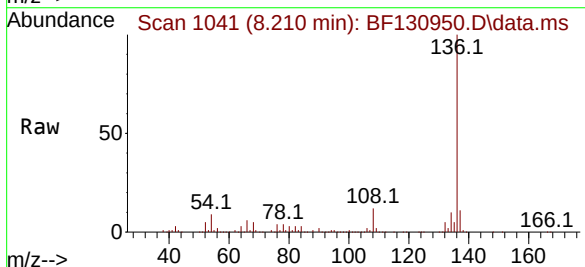
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL

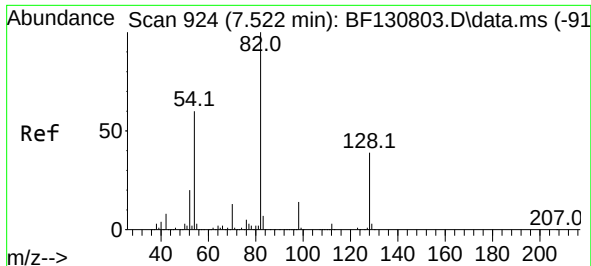
Tgt Ion: 99 Resp: 84953
Ion Ratio Lower Upper
99 100
42 24.0 18.8 28.2
71 38.9 31.4 47.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Tgt Ion: 136 Resp: 184690
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 8.7 8.8 13.2#
68 5.4 5.2 7.8

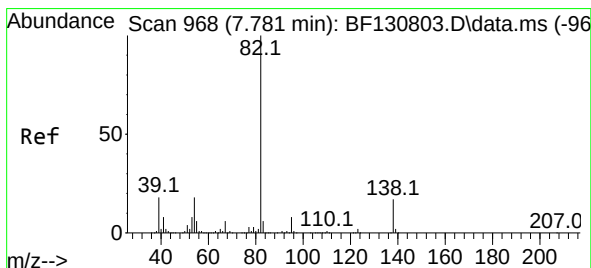
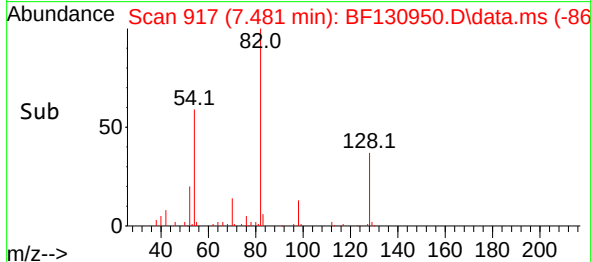
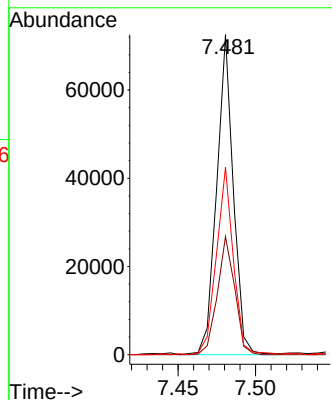
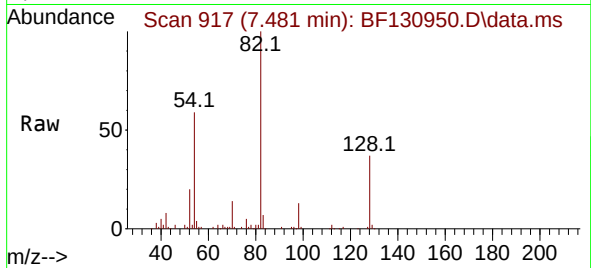




#23
Nitrobenzene-d5
Concen: 17.722 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

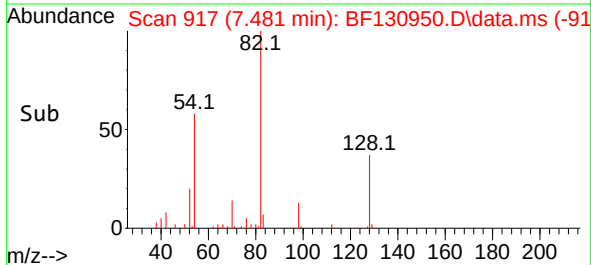
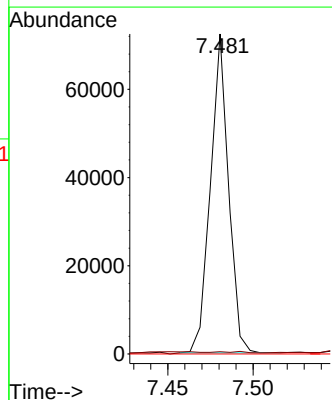
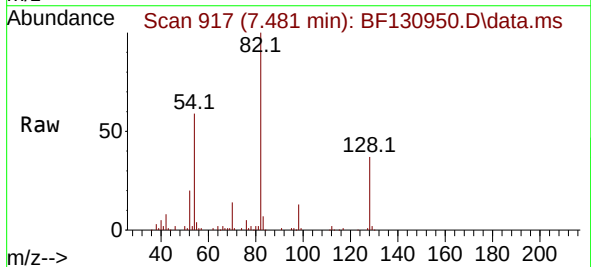
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL

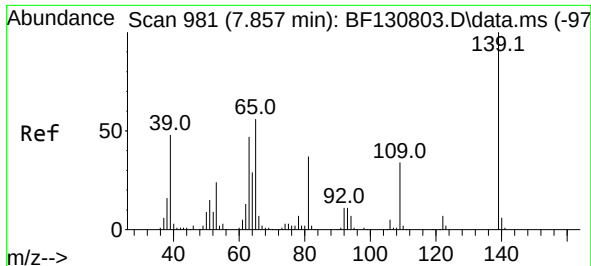
Tgt Ion: 82 Resp: 54281
Ion Ratio Lower Upper
82 100
128 36.9 31.2 46.8
54 58.6 48.0 72.0



#25
Isophorone
Concen: 8.437 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.271 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Tgt Ion: 82 Resp: 53291
Ion Ratio Lower Upper
82 100
95 0.7 6.2 9.4#
138 0.0 13.8 20.6#

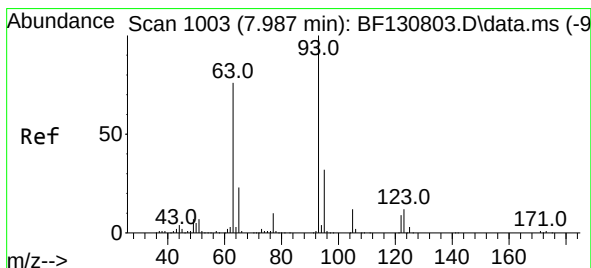
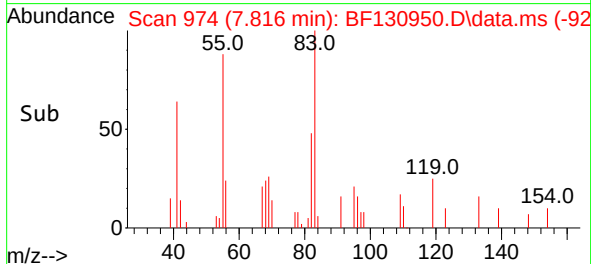
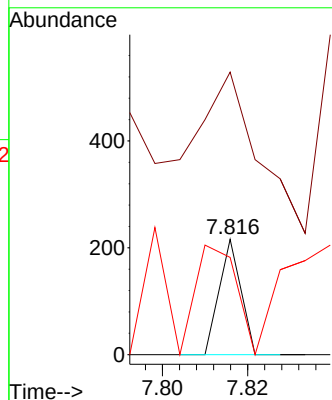
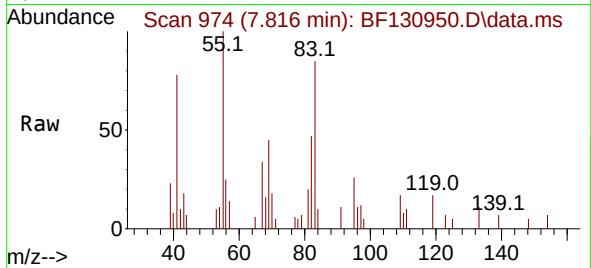




#26
2-Nitrophenol
Concen: 4.134 ng
RT: 7.816 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

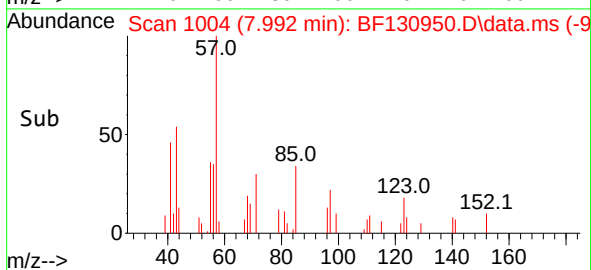
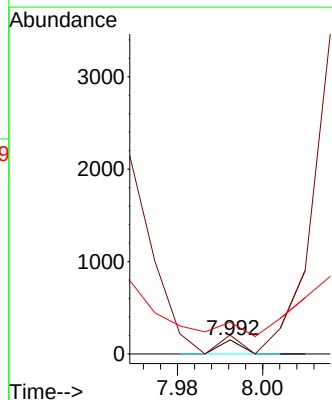
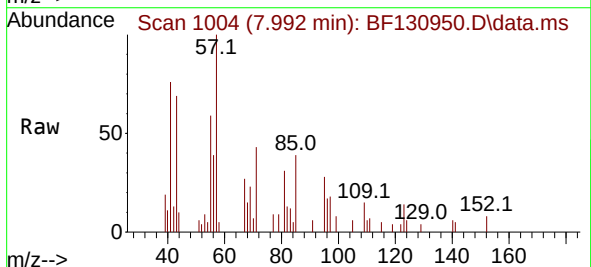
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL

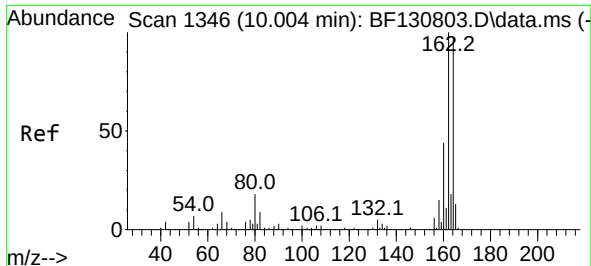
Tgt Ion:139 Resp: 76
Ion Ratio Lower Upper
139 100
109 244.9 27.3 40.9#
65 84.3 44.6 67.0#



#32
Benzoic acid
Concen: 7.704 ng
RT: 7.992 min Scan# 1004
Delta R.T. 0.023 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 133.3 114.5 154.5
77 224.2 89.8 129.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130950.D

Acq: 03 Nov 2022 01:58

Instrument :

BNA_F

ClientSampleId :

OE-1-103122DL

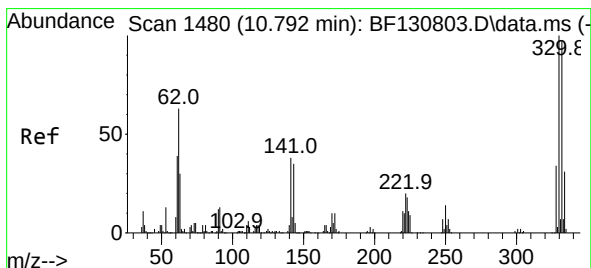
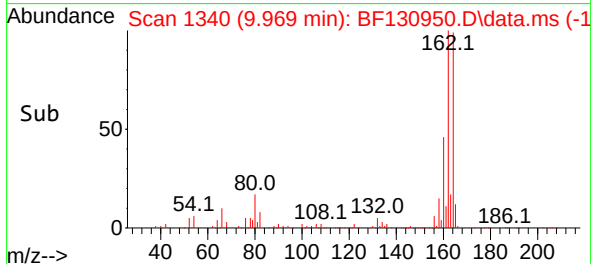
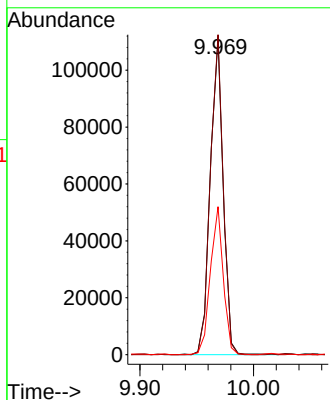
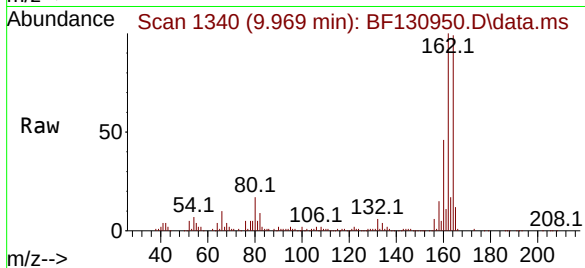
Tgt Ion:164 Resp: 87889

Ion Ratio Lower Upper

164 100

162 101.3 82.2 123.2

160 46.8 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 24.706 ng

RT: 10.757 min Scan# 1474

Delta R.T. -0.012 min

Lab File: BF130950.D

Acq: 03 Nov 2022 01:58

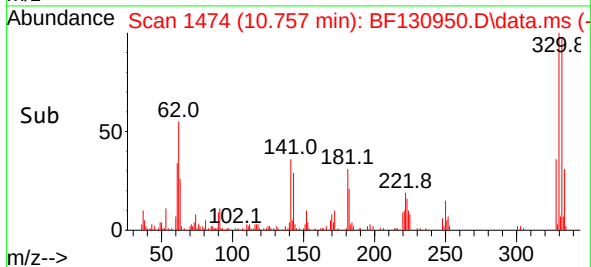
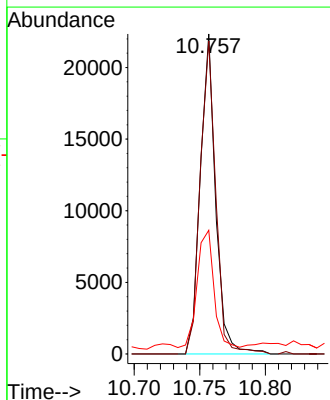
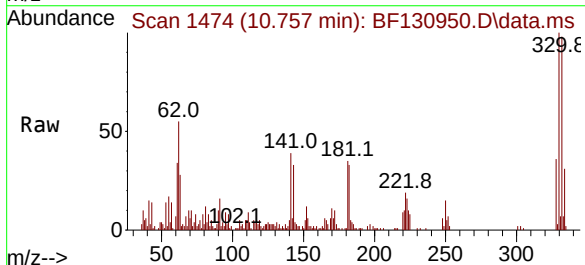
Tgt Ion:330 Resp: 18279

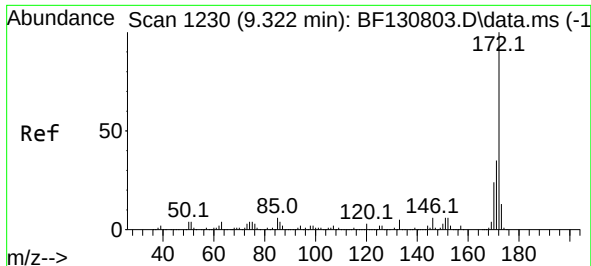
Ion Ratio Lower Upper

330 100

332 98.8 76.2 114.4

141 39.7 31.4 47.0

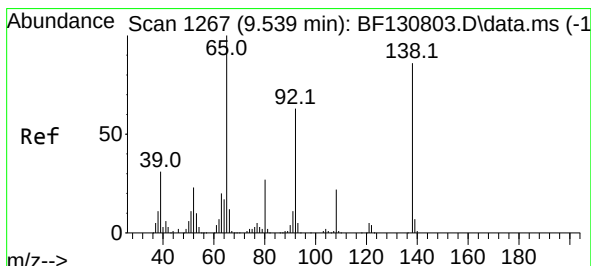
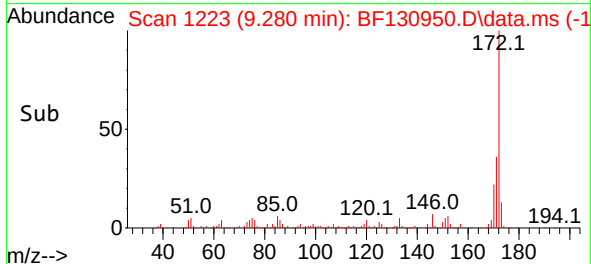
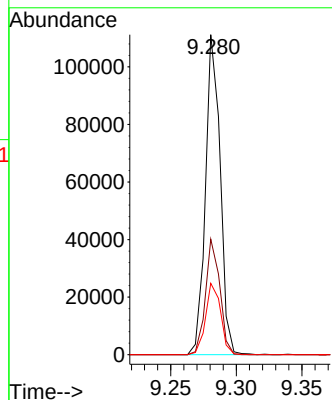
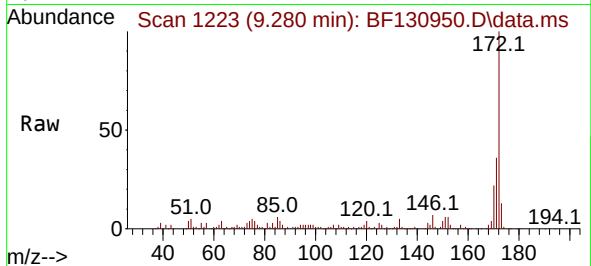




#45
2-Fluorobiphenyl
Concen: 14.947 ng
RT: 9.280 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

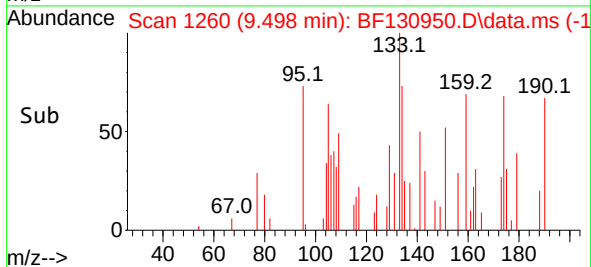
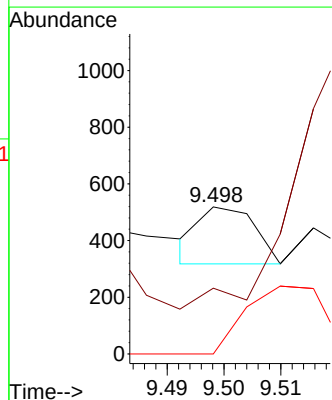
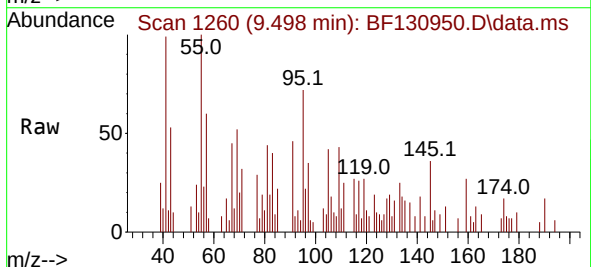
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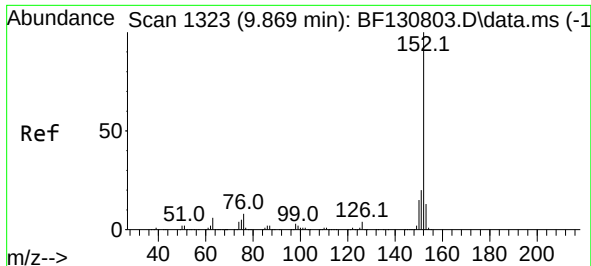
Tgt Ion:172 Resp: 86889
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 22.3 19.0 28.4



#48
2-Nitroaniline
Concen: 4.222 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.018 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Tgt Ion: 65 Resp: 133
Ion Ratio Lower Upper
65 100
92 44.7 50.1 75.1#
138 0.0 69.2 103.8#





#49

Acenaphthylene

Concen: 3.632 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF130950.D

Acq: 03 Nov 2022 01:58

Instrument :

BNA_F

ClientSampleId :

OE-1-103122DL

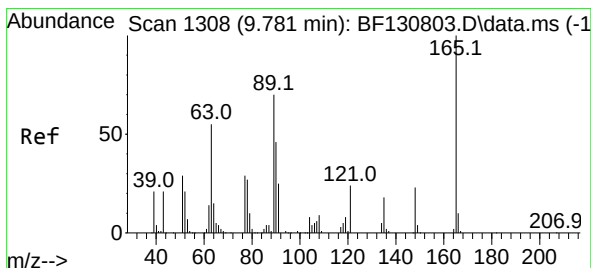
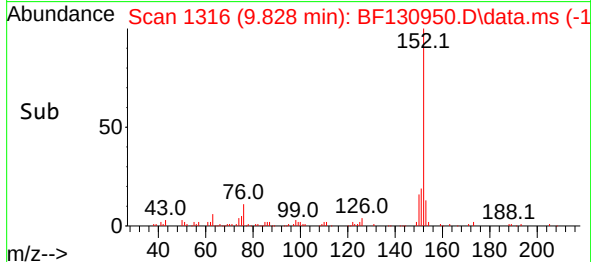
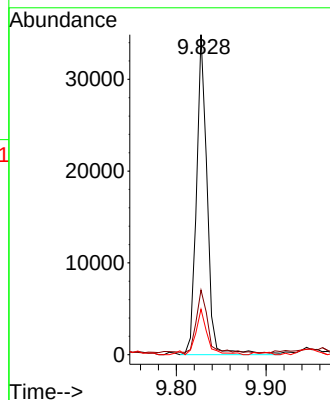
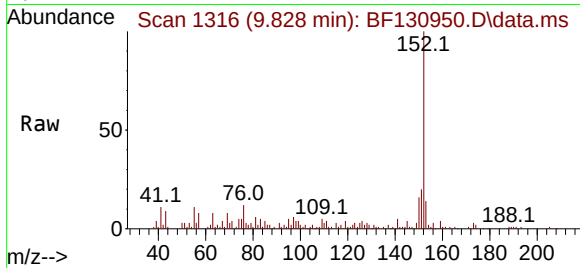
Tgt Ion:152 Resp: 28817

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.8

153 14.2 10.2 15.4



#51

2,6-Dinitrotoluene

Concen: 3.178 ng

RT: 9.792 min Scan# 1310

Delta R.T. 0.035 min

Lab File: BF130950.D

Acq: 03 Nov 2022 01:58

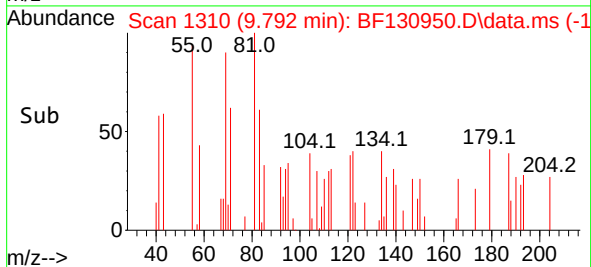
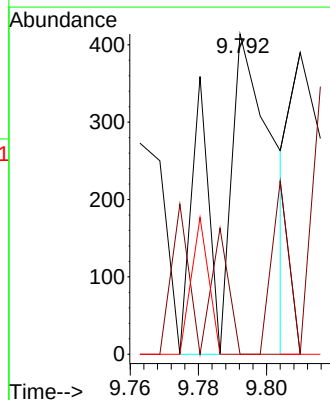
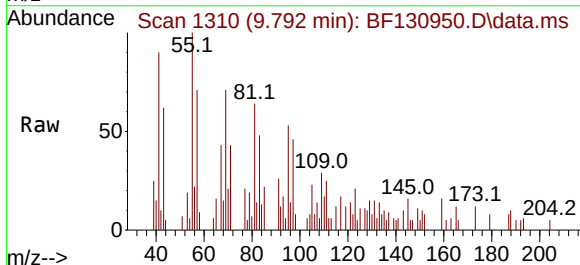
Tgt Ion:165 Resp: 474

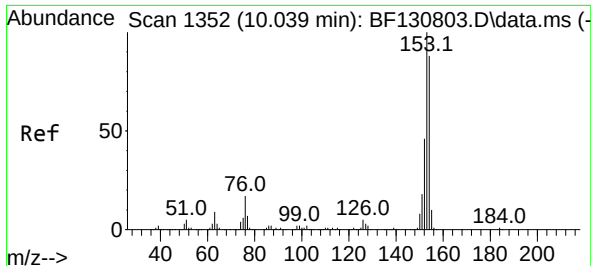
Ion Ratio Lower Upper

165 100

63 0.0 61.8 92.8#

89 0.0 56.2 84.4#

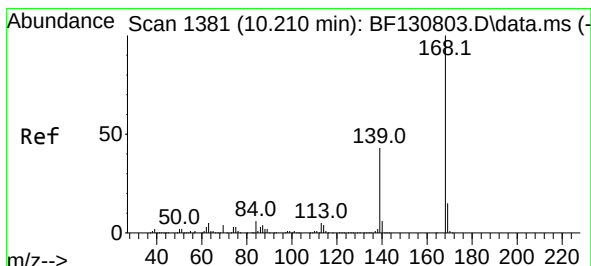
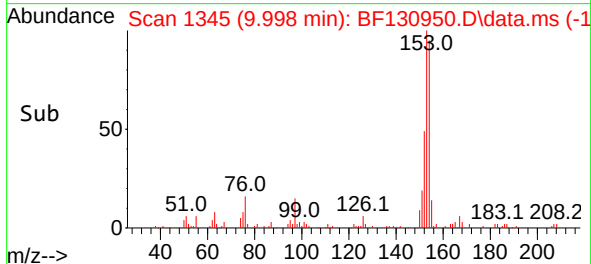
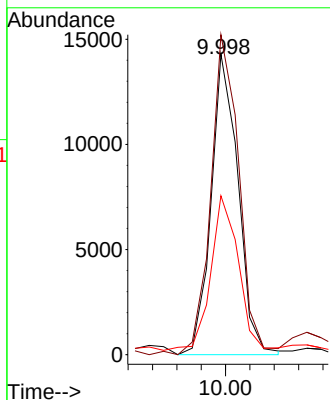
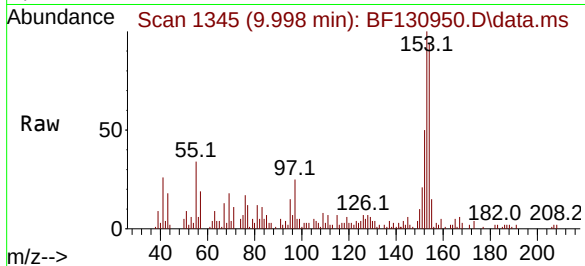




#52
Acenaphthene
Concen: 2.233 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

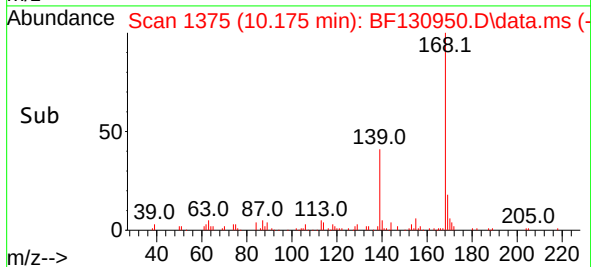
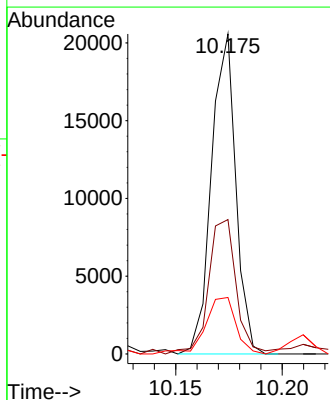
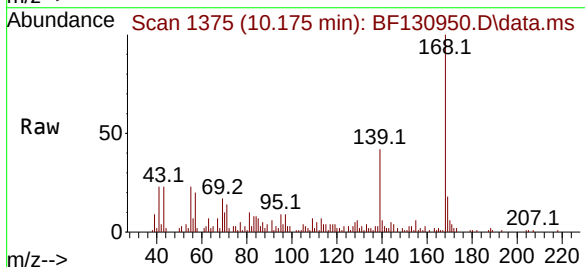
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL

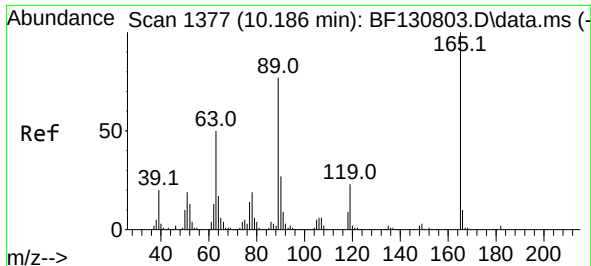
Tgt Ion:154 Resp: 10956
Ion Ratio Lower Upper
154 100
153 106.4 90.5 135.7
152 52.8 42.0 63.0



#55
Dibenzofuran
Concen: 2.299 ng
RT: 10.175 min Scan# 1375
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Tgt Ion:168 Resp: 16349
Ion Ratio Lower Upper
168 100
139 42.0 34.3 51.5
169 17.6 11.9 17.9

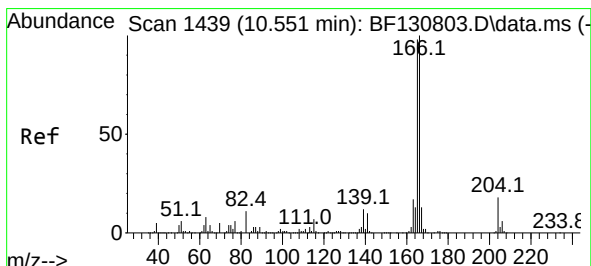
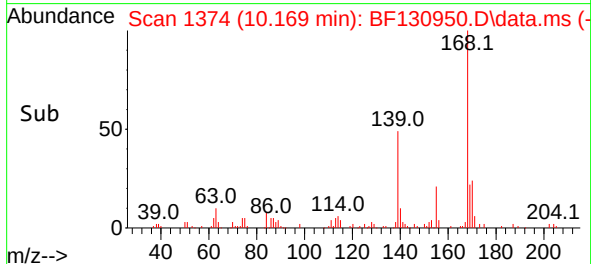
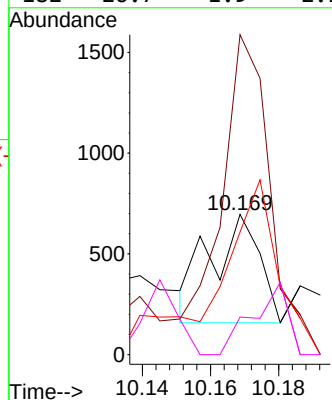
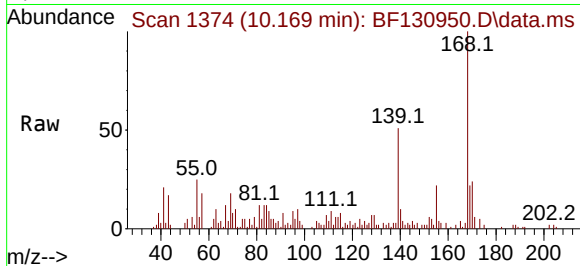




#57
2,4-Dinitrotoluene
Concen: 4.051 ng
RT: 10.169 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

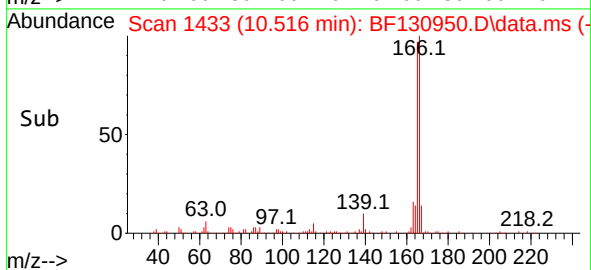
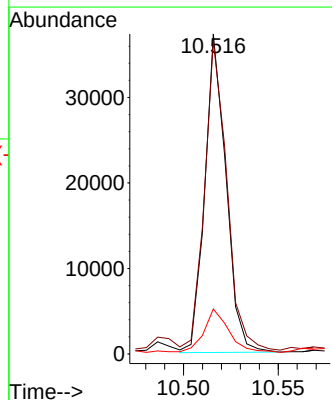
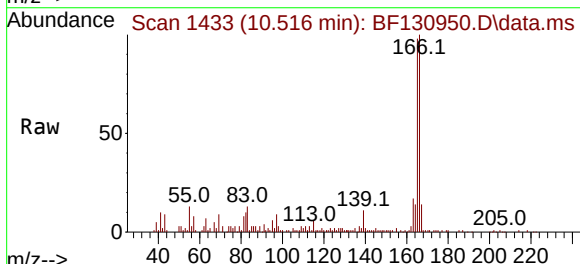
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL

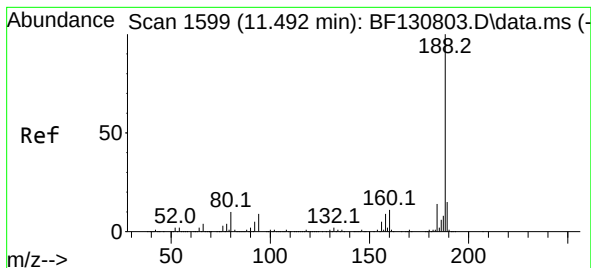
Tgt Ion:165	Resp:	538
Ion	Ratio	Lower Upper
165	100	
63	228.2	39.8 59.6#
89	87.4	61.9 92.9
182	26.7	1.9 2.9#



#58
Fluorene
Concen: 5.184 ng
RT: 10.516 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Tgt Ion:166	Resp:	29031
Ion	Ratio	Lower Upper
166	100	
165	97.9	78.1 117.1
167	14.1	10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.463 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130950.D

Acq: 03 Nov 2022 01:58

Instrument :

BNA_F

ClientSampleId :

OE-1-103122DL

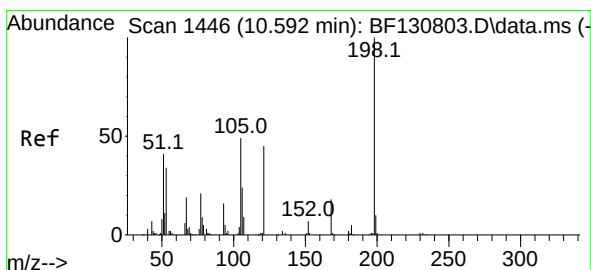
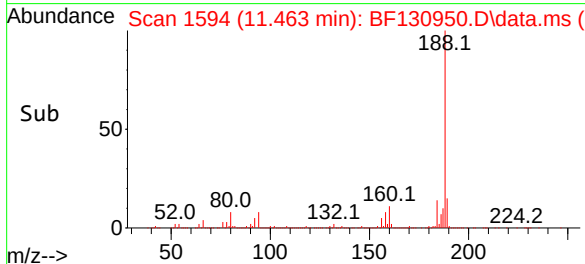
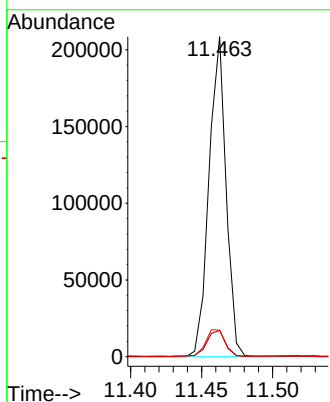
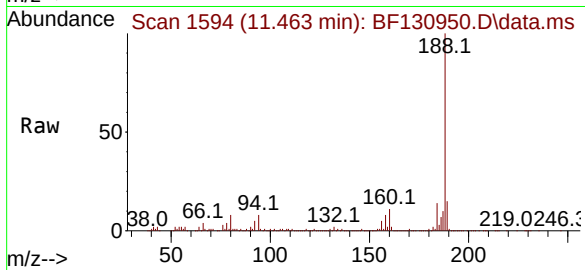
Tgt Ion:188 Resp: 174797

Ion Ratio Lower Upper

188 100

94 8.2 7.4 11.2

80 8.3 8.0 12.0



#65

4,6-Dinitro-2-methylphenol

Concen: 8.043 ng

RT: 10.786 min Scan# 1479

Delta R.T. 0.218 min

Lab File: BF130950.D

Acq: 03 Nov 2022 01:58

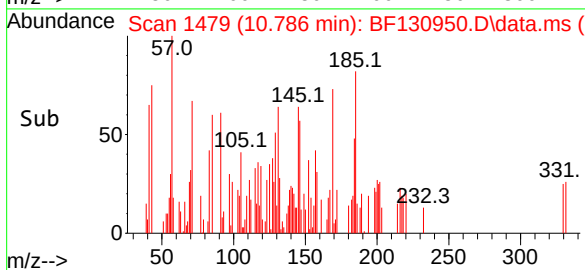
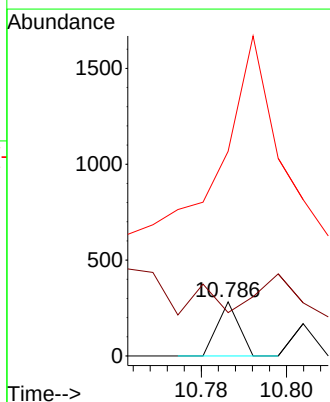
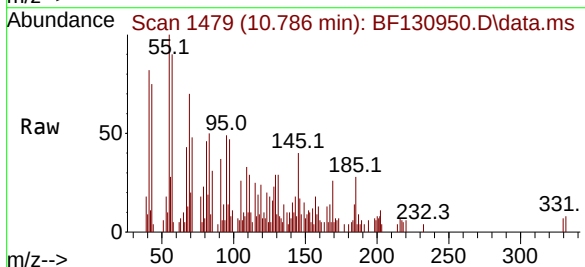
Tgt Ion:198 Resp: 100

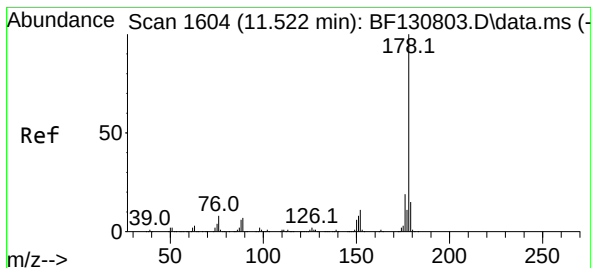
Ion Ratio Lower Upper

198 100

51 80.1 39.0 79.0#

105 378.4 30.6 70.6#





#71

Phenanthrene

Concen: 33.746 ng

RT: 11.486 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130950.D

Acq: 03 Nov 2022 01:58

Instrument :

BNA_F

ClientSampleId :

OE-1-103122DL

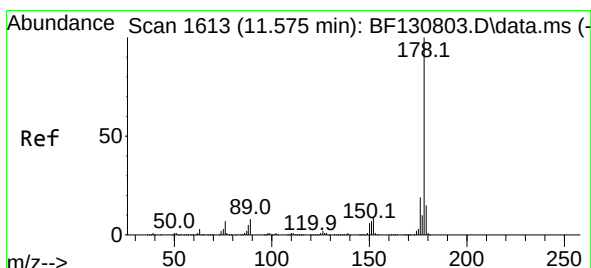
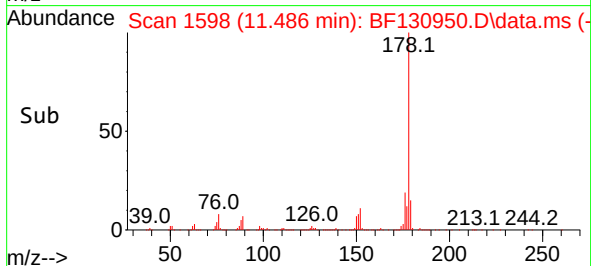
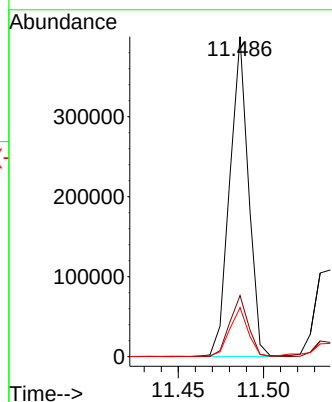
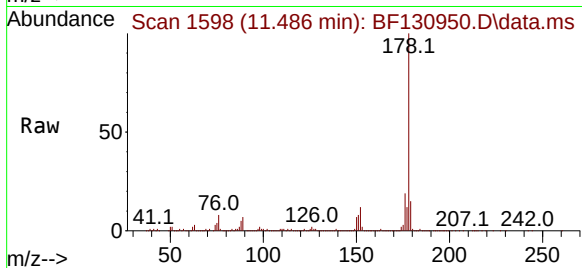
Tgt Ion:178 Resp: 304451

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.3 12.2 18.2



#72

Anthracene

Concen: 10.689 ng

RT: 11.539 min Scan# 1607

Delta R.T. -0.006 min

Lab File: BF130950.D

Acq: 03 Nov 2022 01:58

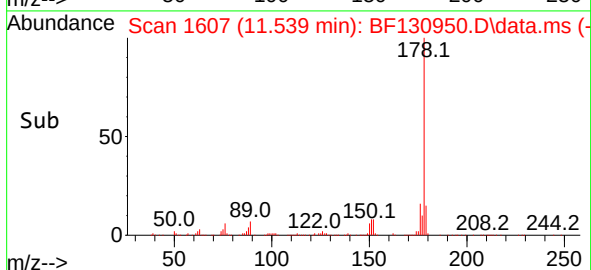
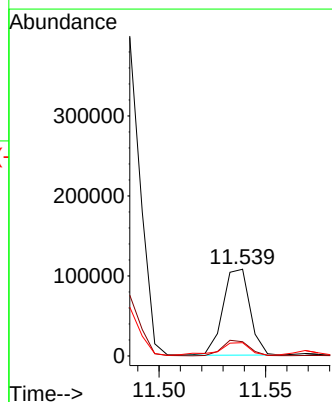
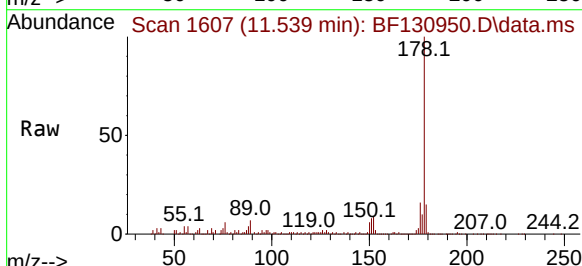
Tgt Ion:178 Resp: 95117

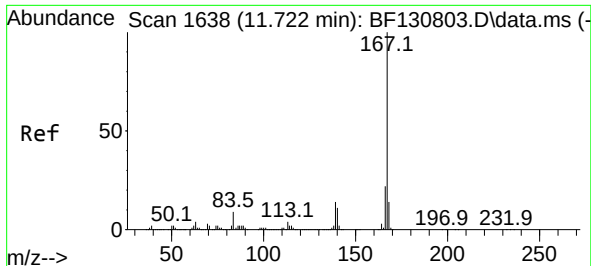
Ion Ratio Lower Upper

178 100

176 16.4 15.4 23.0

179 15.3 12.2 18.4

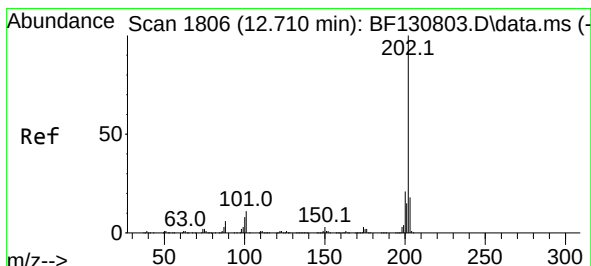
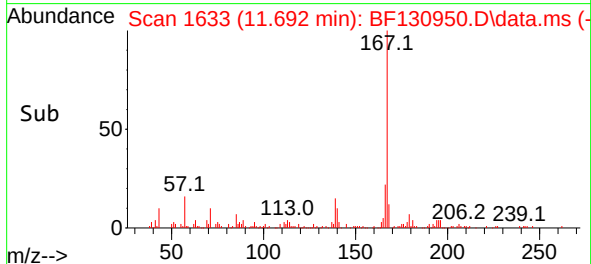
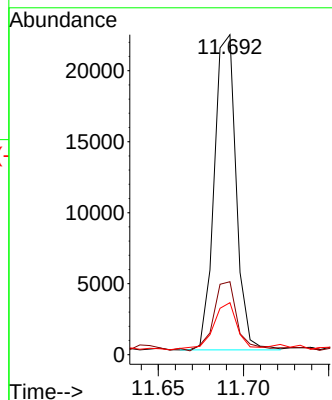
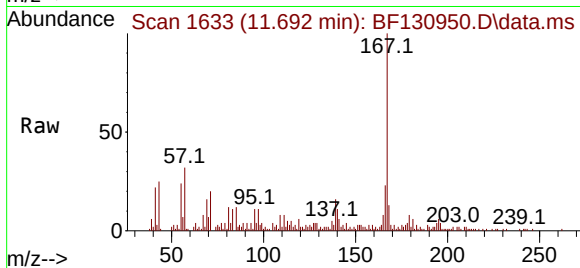




#73
 Carbazole
 Concen: 2.483 ng
 RT: 11.692 min Scan# 11692
 Delta R.T. -0.006 min
 Lab File: BF130950.D
 Acq: 03 Nov 2022 01:58

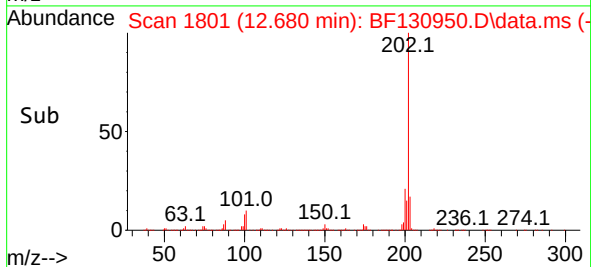
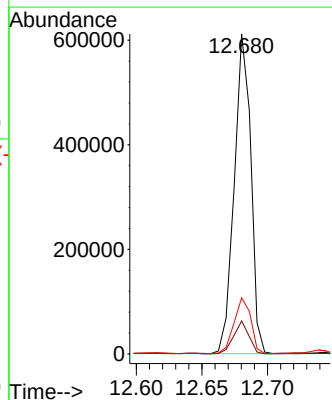
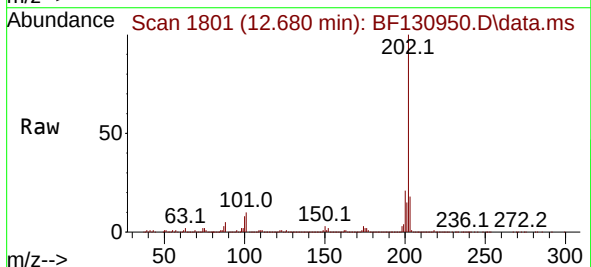
Instrument :
 BNA_F
 ClientSampleId :
 OE-1-103122DL

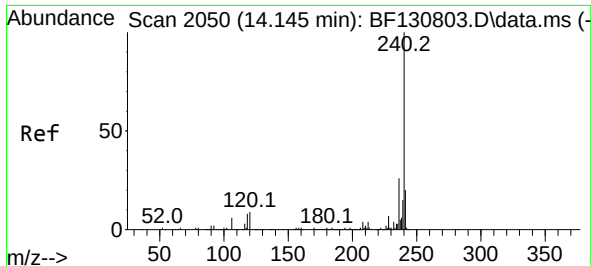
Tgt Ion:167 Resp: 19783
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.4 26.0
 139 16.2 11.3 16.9



#75
 Fluoranthene
 Concen: 56.305 ng
 RT: 12.680 min Scan# 1801
 Delta R.T. -0.006 min
 Lab File: BF130950.D
 Acq: 03 Nov 2022 01:58

Tgt Ion:202 Resp: 539716
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 30.9
 203 17.6 0.0 37.7

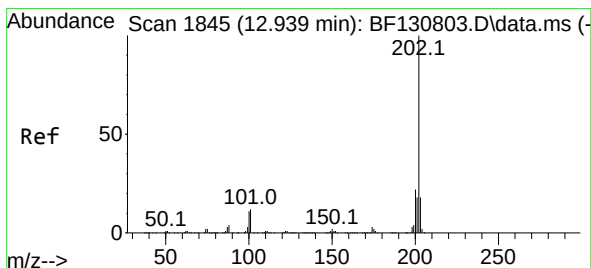
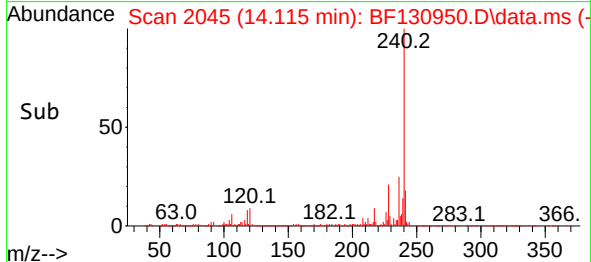
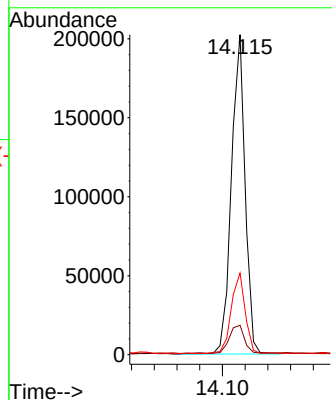
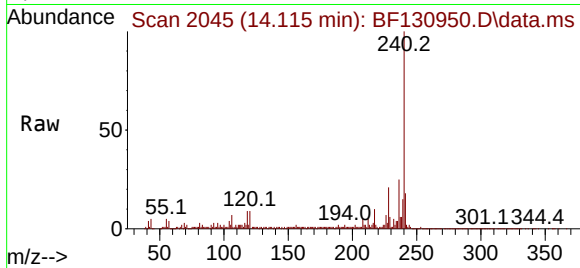




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.115 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

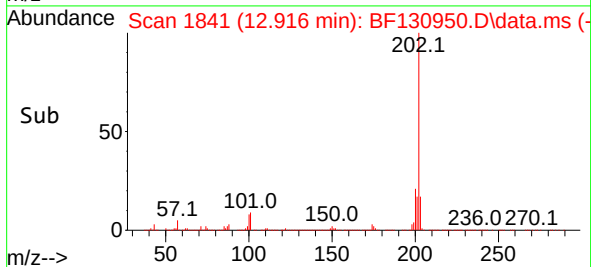
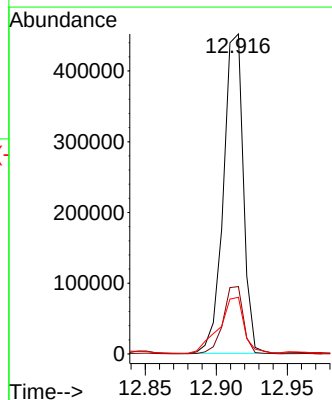
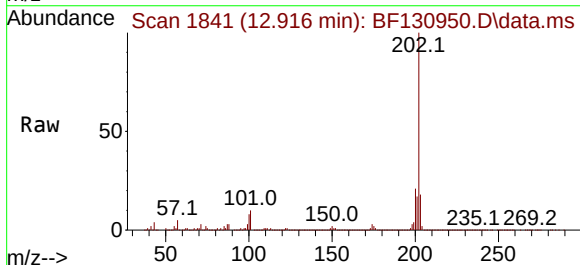
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL

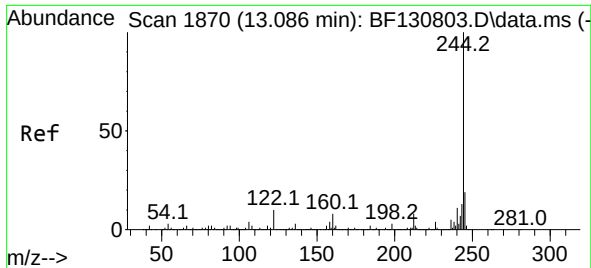
Tgt Ion:240 Resp: 169326
Ion Ratio Lower Upper
240 100
120 9.2 7.0 10.4
236 25.5 20.5 30.7



#78
Pyrene
Concen: 30.747 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.000 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Tgt Ion:202 Resp: 439240
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.7 14.5 21.7

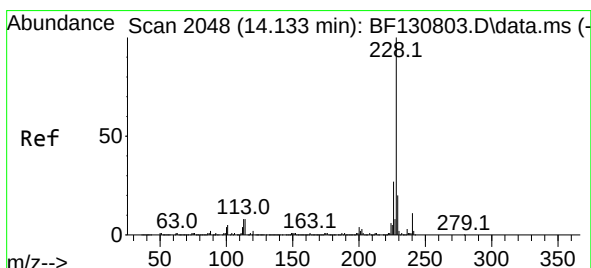
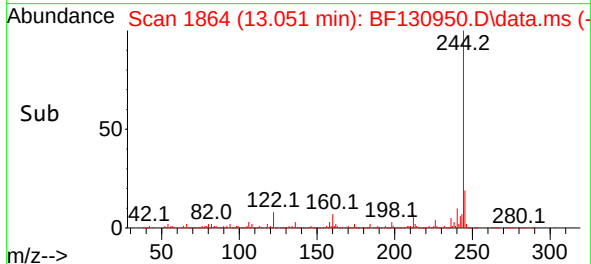
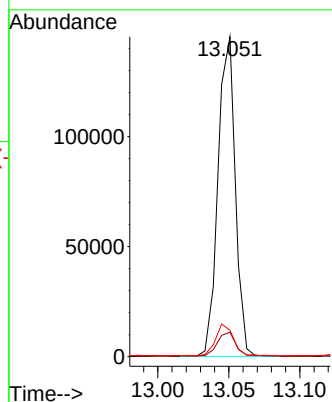
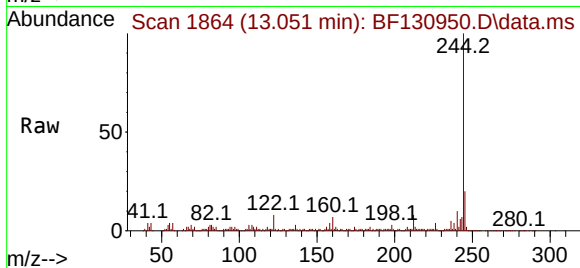




#79
 Terphenyl-d14
 Concen: 13.315 ng
 RT: 13.051 min Scan# 1864
 Delta R.T. -0.006 min
 Lab File: BF130950.D
 Acq: 03 Nov 2022 01:58

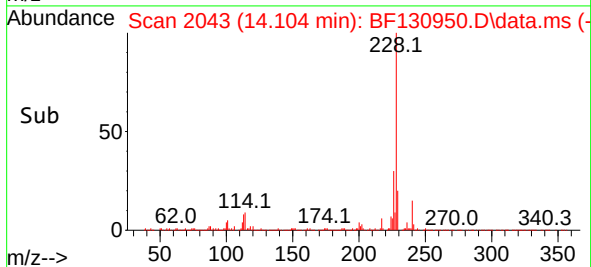
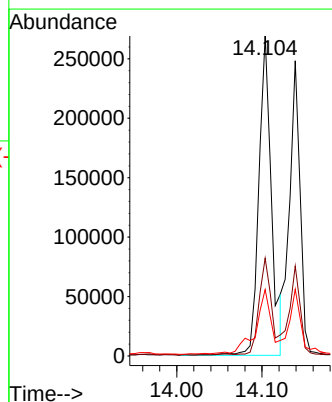
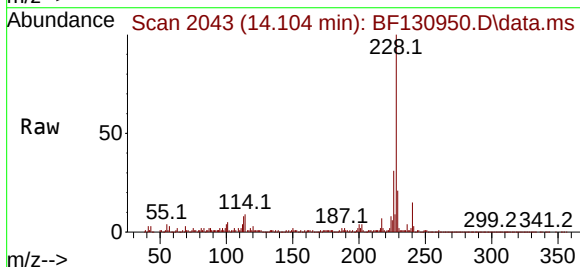
Instrument :
 BNA_F
 ClientSampleId :
 OE-1-103122DL

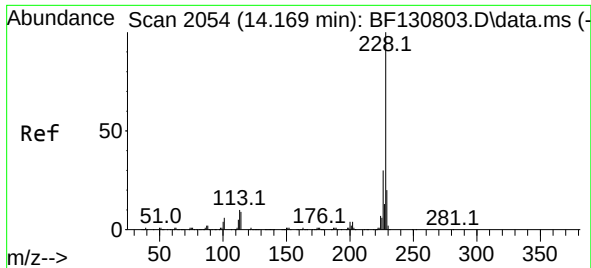
Tgt Ion:244 Resp: 123035
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 8.3 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 24.625 ng
 RT: 14.104 min Scan# 2043
 Delta R.T. -0.006 min
 Lab File: BF130950.D
 Acq: 03 Nov 2022 01:58

Tgt Ion:228 Resp: 276449
 Ion Ratio Lower Upper
 228 100
 226 30.6 21.4 32.2
 229 20.7 15.8 23.6

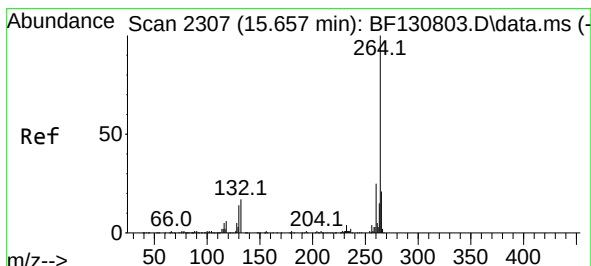
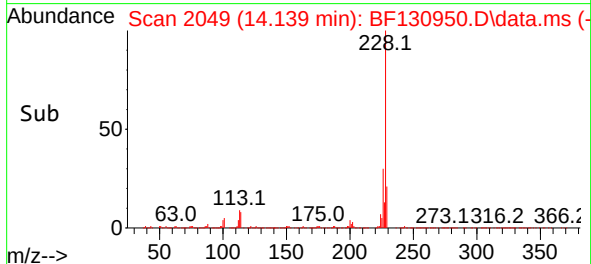
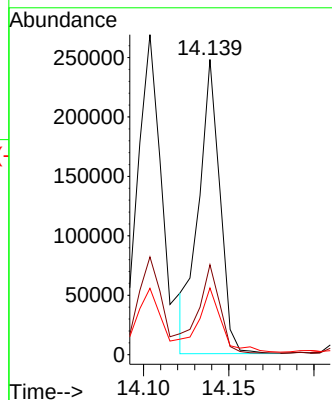
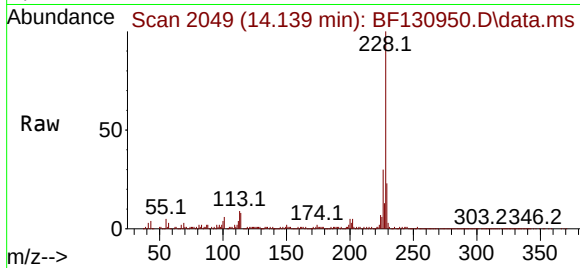




#83
Chrysene
Concen: 19.833 ng
RT: 14.139 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

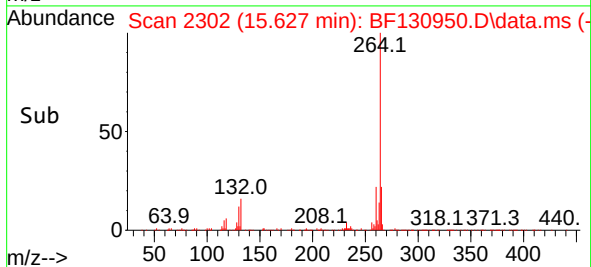
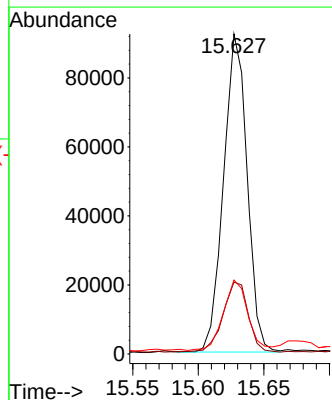
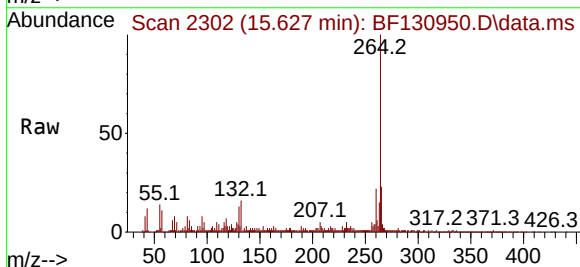
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL

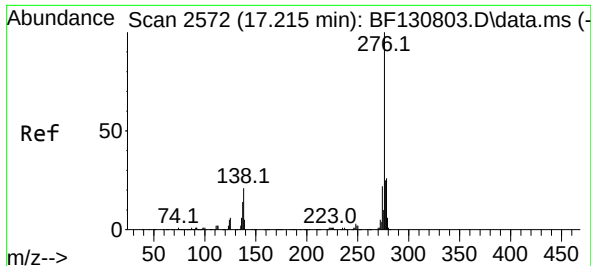
Tgt Ion:228 Resp: 214760
Ion Ratio Lower Upper
228 100
226 30.5 23.9 35.9
229 22.6 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2302
Delta R.T. -0.000 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Tgt Ion:264 Resp: 115276
Ion Ratio Lower Upper
264 100
260 22.4 19.9 29.9
265 23.1 17.0 25.6

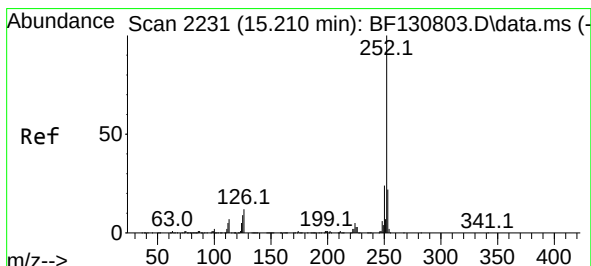
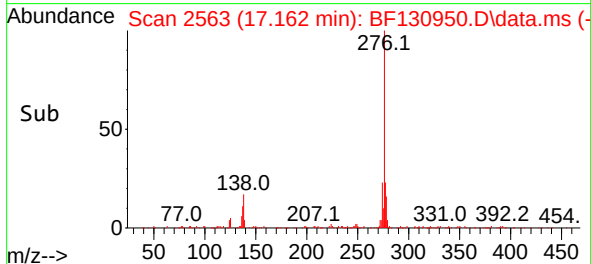
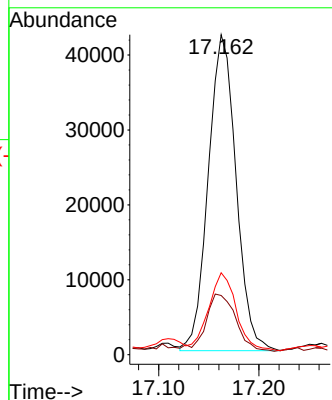
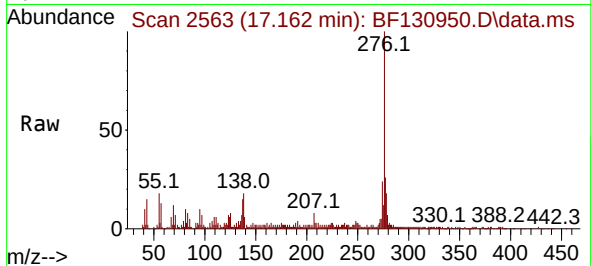




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.615 ng
 RT: 17.162 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF130950.D
 Acq: 03 Nov 2022 01:58

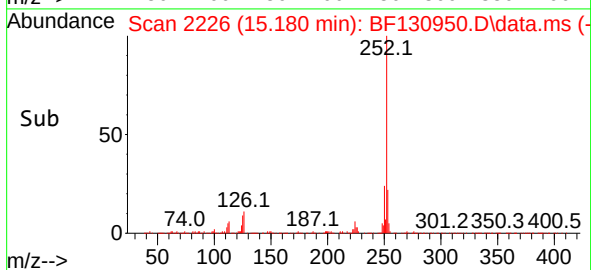
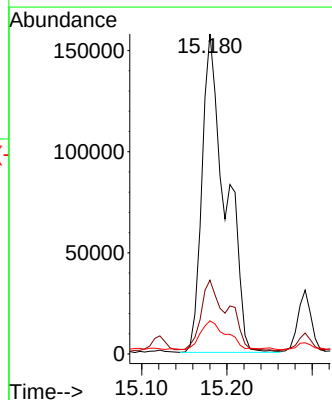
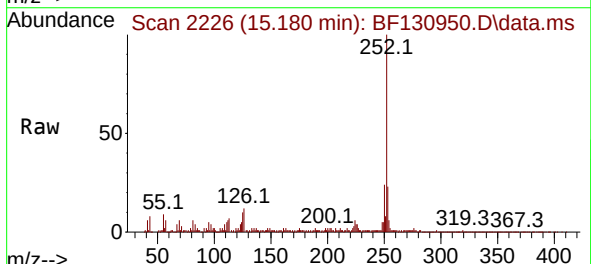
Instrument :
 BNA_F
 ClientSampleId :
 OE-1-103122DL

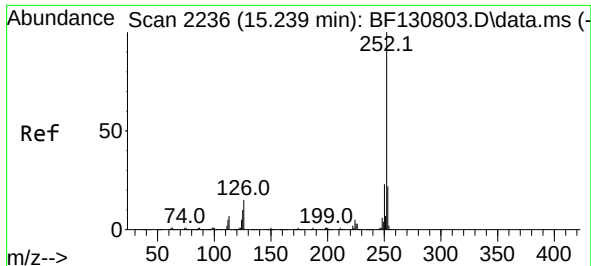
Tgt Ion:276 Resp: 81260
 Ion Ratio Lower Upper
 276 100
 138 19.5 19.1 28.7
 277 24.7 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 40.852 ng
 RT: 15.180 min Scan# 2226
 Delta R.T. -0.000 min
 Lab File: BF130950.D
 Acq: 03 Nov 2022 01:58

Tgt Ion:252 Resp: 304418
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.5 26.3
 125 10.4 7.0 10.4

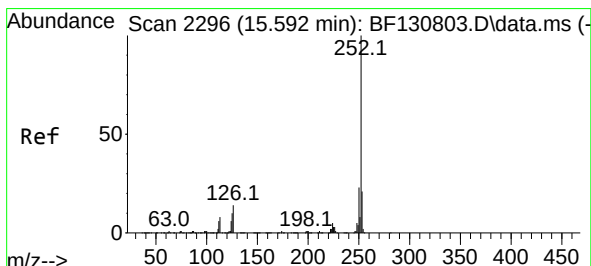
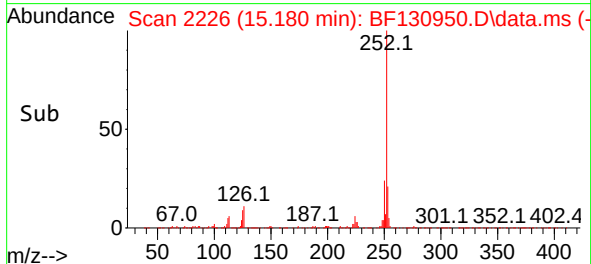
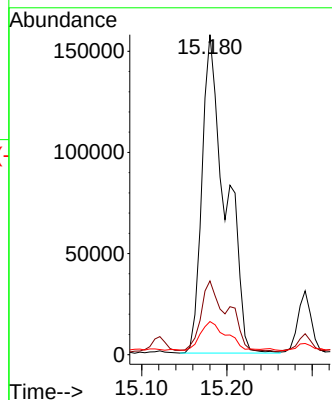
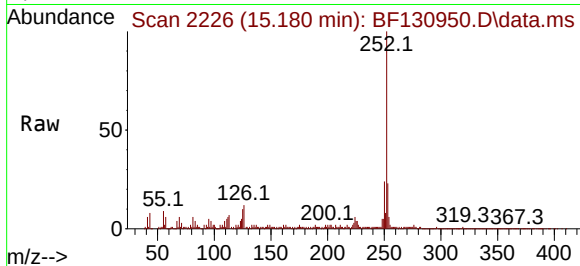




#89
Benzo(k)fluoranthene
Concen: 41.924 ng
RT: 15.180 min Scan# 2218
Delta R.T. -0.035 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

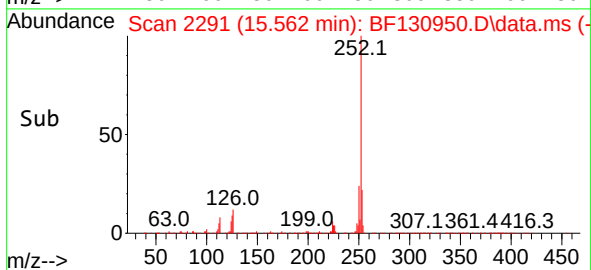
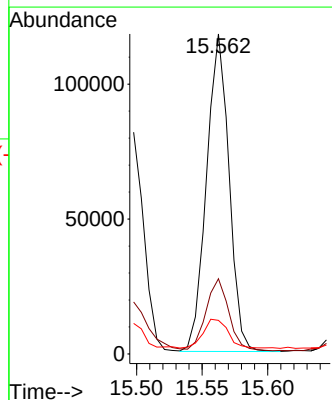
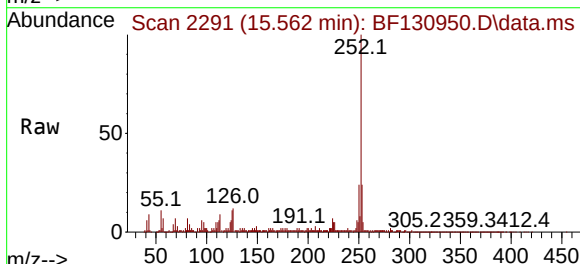
Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL

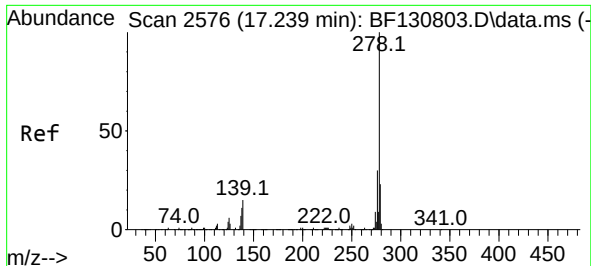
Tgt Ion:252 Resp: 304418
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.4 8.0 12.0



#90
Benzo(a)pyrene
Concen: 23.484 ng
RT: 15.562 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Tgt Ion:252 Resp: 140678
Ion Ratio Lower Upper
252 100
253 23.5 16.8 25.2
125 10.5 8.3 12.5

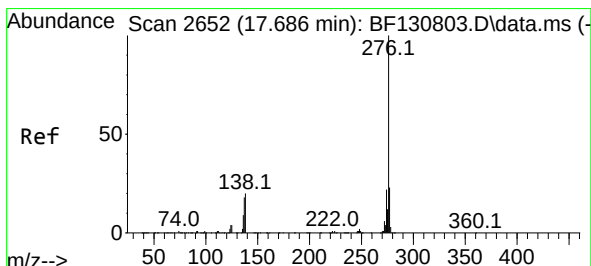
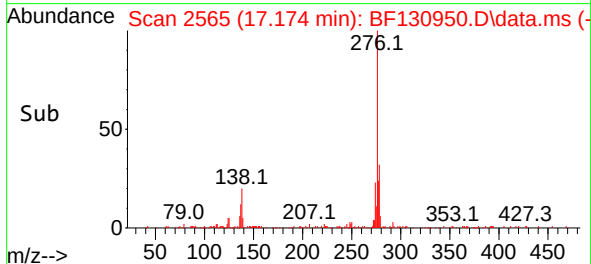
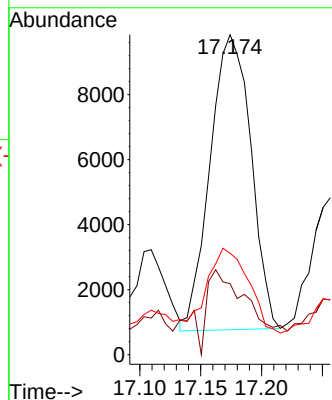
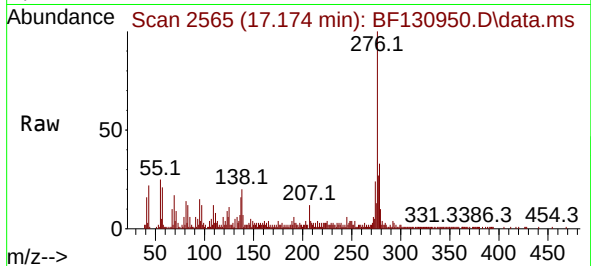




#91
Dibenzo(a,h)anthracene
Concen: 3.388 ng
RT: 17.174 min Scan# 21146
Delta R.T. -0.024 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Instrument :
BNA_F
ClientSampleId :
OE-1-103122DL

Tgt Ion:278 Resp: 21146
Ion Ratio Lower Upper
278 100
139 22.2 11.9 17.9#
279 31.7 18.6 28.0#



#92
Benzo(g,h,i)perylene
Concen: 11.238 ng
RT: 17.633 min Scan# 2643
Delta R.T. -0.018 min
Lab File: BF130950.D
Acq: 03 Nov 2022 01:58

Tgt Ion:276 Resp: 71548
Ion Ratio Lower Upper
276 100
277 26.9 18.8 28.2
138 18.0 16.3 24.5

