

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
 Data File : BF131065.D
 Acq On : 08 Nov 2022 14:10
 Operator : CG\JU
 Sample : N5415-09RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-22

Quant Time: Nov 08 15:46:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 01:40:43 2022
 Response via : Initial Calibration

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

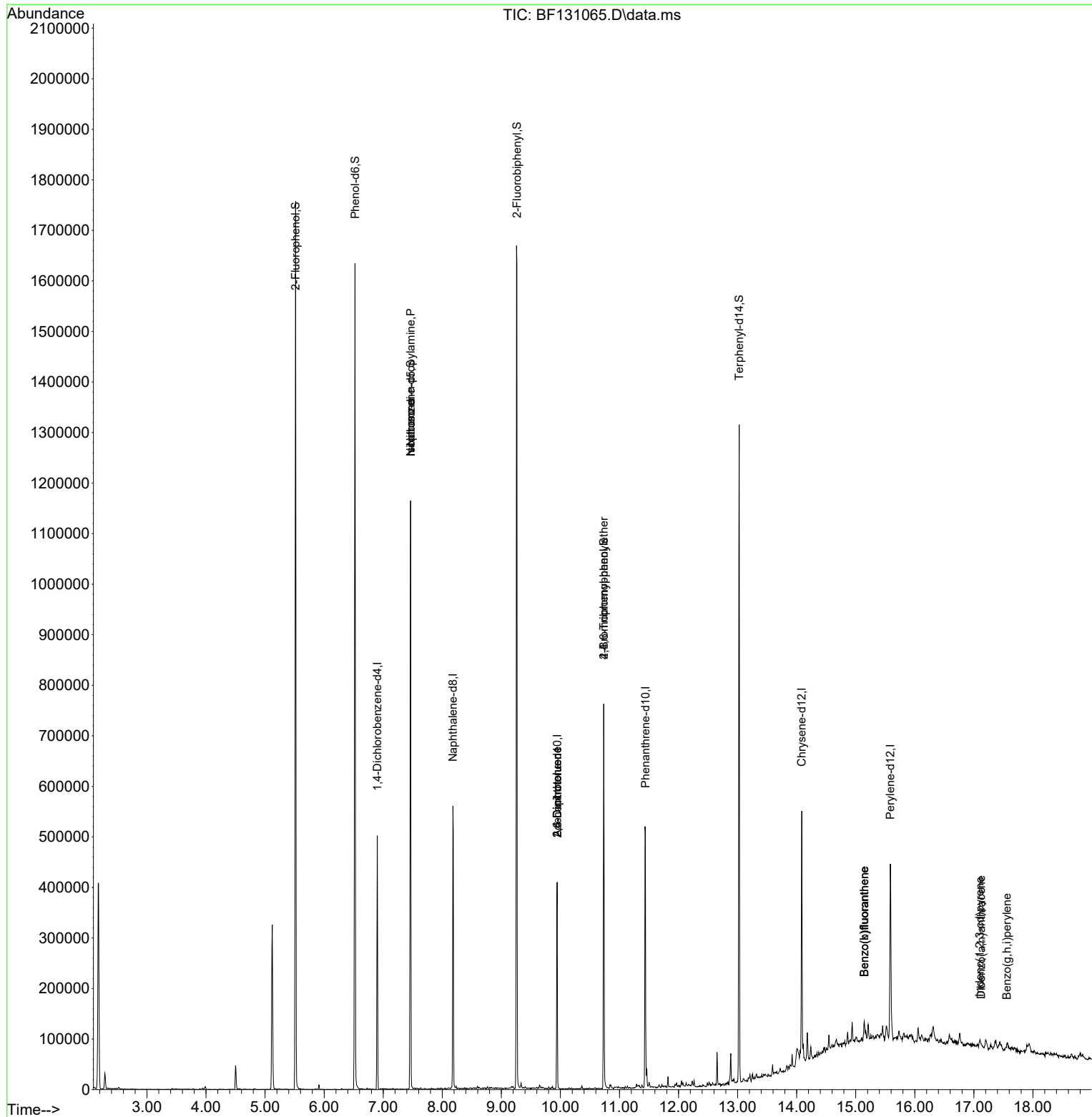
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	60446	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	240178	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	79916	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	195026	20.000	ng	# 0.00
76) Chrysene-d12	14.086	240	152862	20.000	ng	0.00
86) Perylene-d12	15.586	264	155675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	392550	104.719	ng	0.00
7) Phenol-d6	6.522	99	491066	107.328	ng	0.00
23) Nitrobenzene-d5	7.463	82	323823	62.496	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	75329	85.615	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	526680	89.816	ng	0.00
79) Terphenyl-d14	13.027	244	414364	43.460	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	43711	13.406	ng	# 74
25) Isophorone	7.463	82	323821	36.461	ng	# 66
51) 2,6-Dinitrotoluene	9.945	165	10616	8.080	ng	# 17
55) Dibenzofuran	10.151	168	404	Below Cal		# 84
57) 2,4-Dinitrotoluene	9.945	165	10616	6.219	ng	# 18
67) 4-Bromophenyl-phenylether	10.733	248	5237	2.137	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.098	276	8580	3.933	ng	# 78
88) Benzo(b)fluoranthene	15.145	252	24452	2.161	ng	# 93
89) Benzo(k)fluoranthene	15.145	252	24452	2.218	ng	# 92
91) Dibenzo(a,h)anthracene	17.121	278	2515	3.525	ng	# 53
92) Benzo(g,h,i)perylene	17.557	276	9522	4.203	ng	# 90

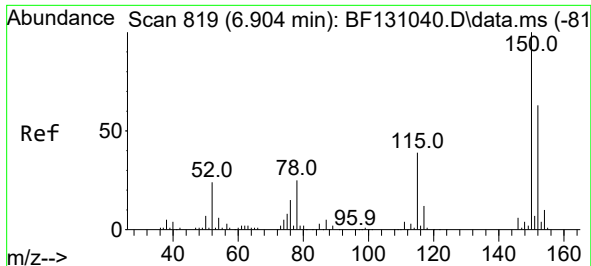
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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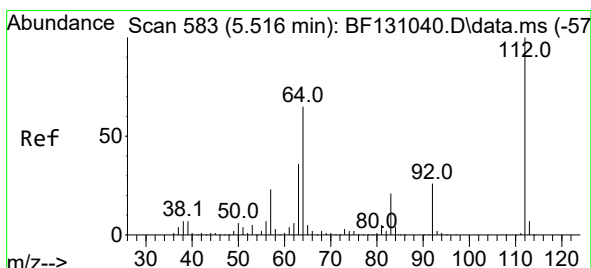
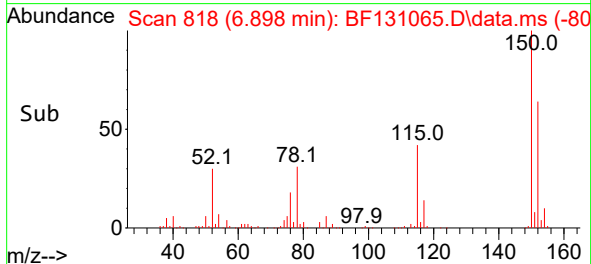
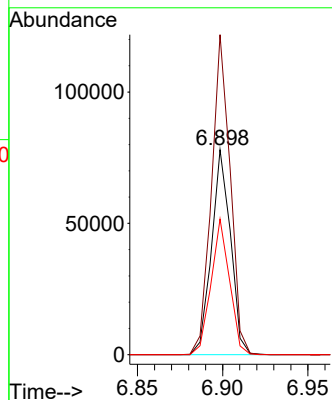
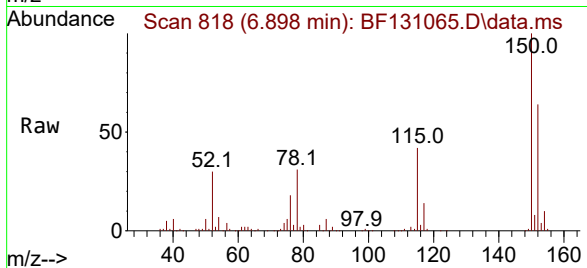




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF131065.D
Acq: 08 Nov 2022 14:10

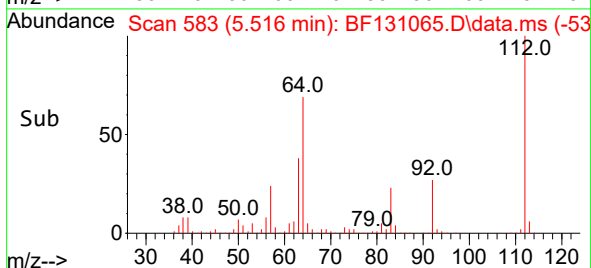
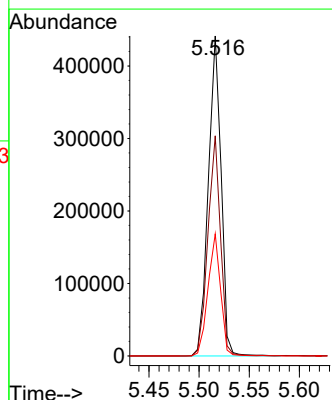
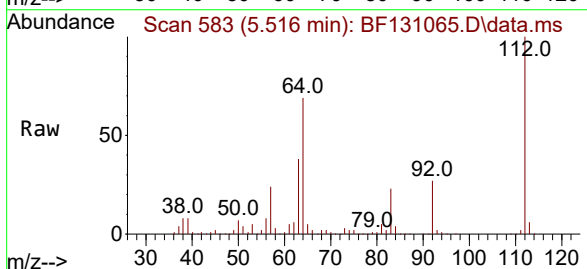
Instrument :
BNA_F
ClientSampleId :
R-22

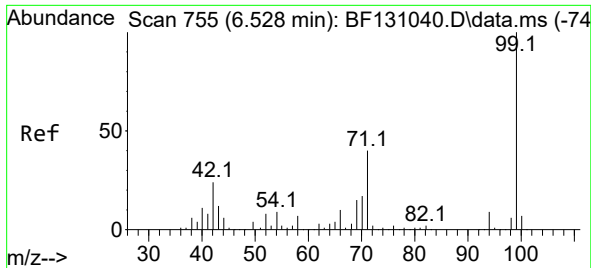
Tgt Ion:152 Resp: 60446
Ion Ratio Lower Upper
152 100
150 156.1 126.6 189.8
115 66.2 49.1 73.7



#5
2-Fluorophenol
Concen: 104.719 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.000 min
Lab File: BF131065.D
Acq: 08 Nov 2022 14:10

Tgt Ion:112 Resp: 392550
Ion Ratio Lower Upper
112 100
64 68.8 52.2 78.4
63 38.2 29.0 43.4

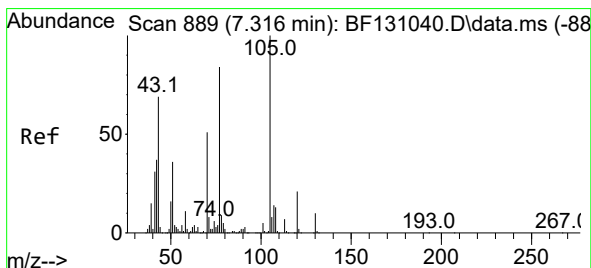
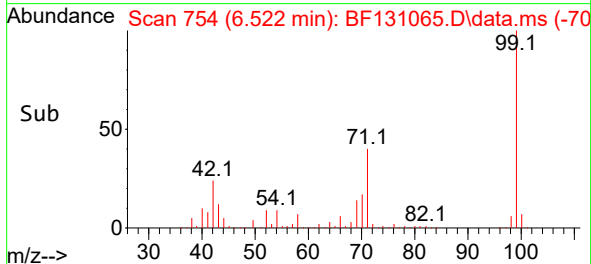
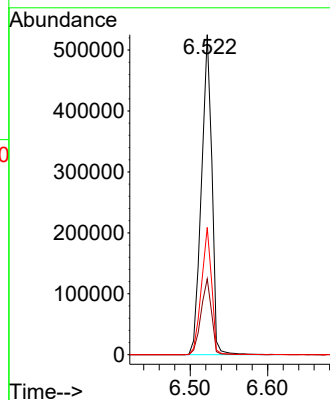
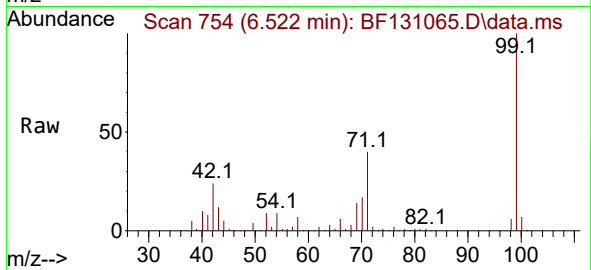




#7
Phenol-d6
Concen: 107.328 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131065.D
Acq: 08 Nov 2022 14:10

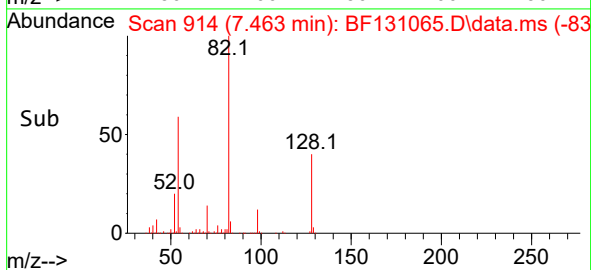
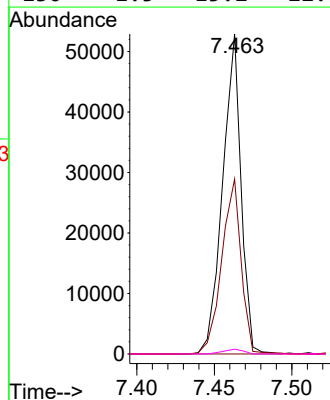
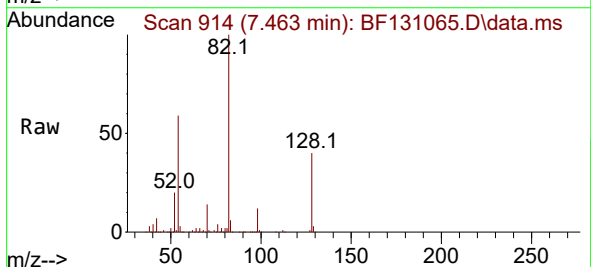
Instrument :
BNA_F
ClientSampleId :
R-22

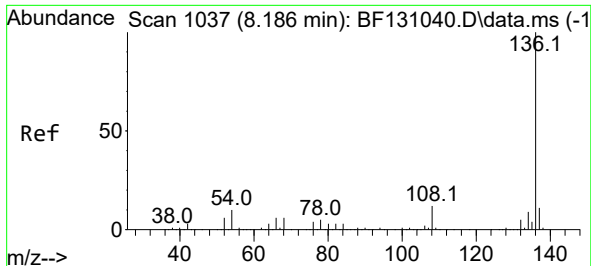
Tgt Ion: 99 Resp: 491066
Ion Ratio Lower Upper
99 100
42 23.7 19.4 29.0
71 39.7 31.8 47.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.406 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.147 min
Lab File: BF131065.D
Acq: 08 Nov 2022 14:10

Tgt Ion: 70 Resp: 43711
Ion Ratio Lower Upper
70 100
42 54.7 59.0 88.4#
101 0.0 8.0 12.0#
130 1.5 15.2 22.8#

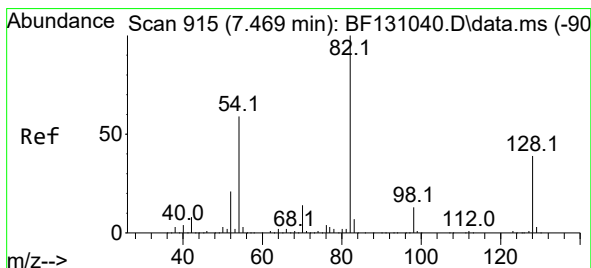
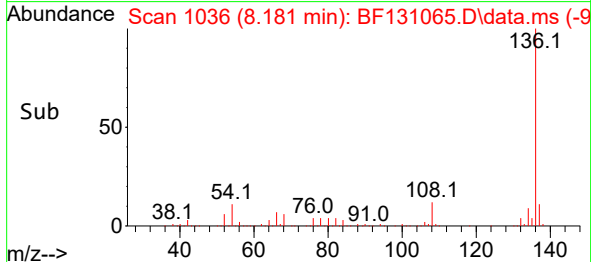
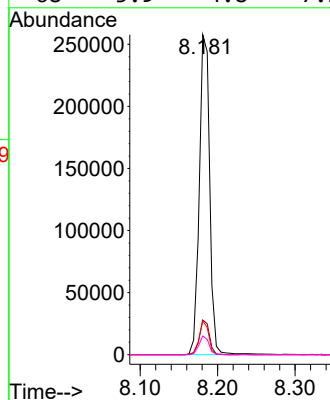
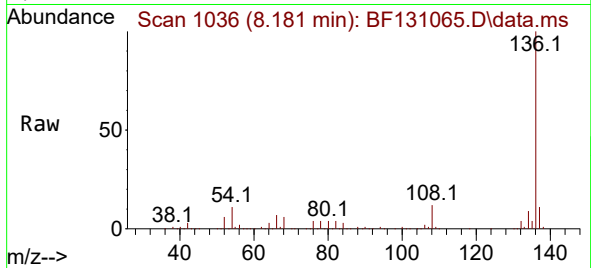




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF131065.D
Acq: 08 Nov 2022 14:10

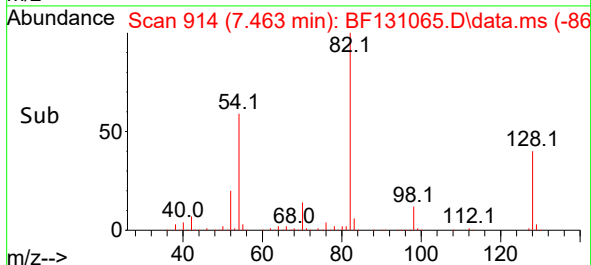
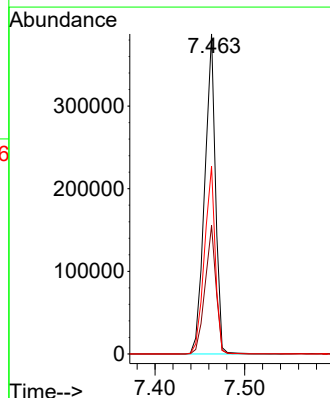
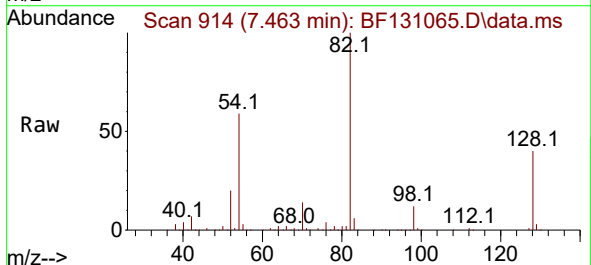
Instrument :
BNA_F
ClientSampleId :
R-22

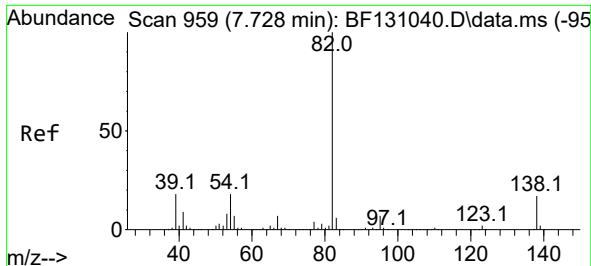
Tgt Ion:	136	Resp:	240178
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	10.6	8.2	12.2
68	5.9	4.8	7.2



#23
Nitrobenzene-d5
Concen: 62.496 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.006 min
Lab File: BF131065.D
Acq: 08 Nov 2022 14:10

Tgt Ion:	82	Resp:	323823
Ion	Ratio	Lower	Upper
82	100		
128	40.2	31.3	46.9
54	58.6	47.2	70.8

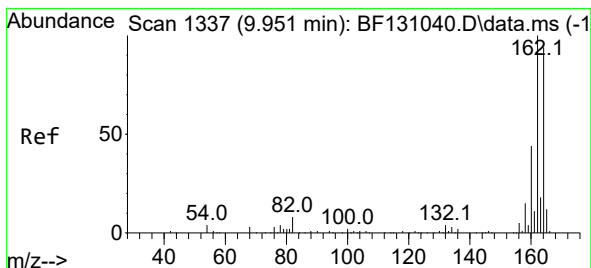
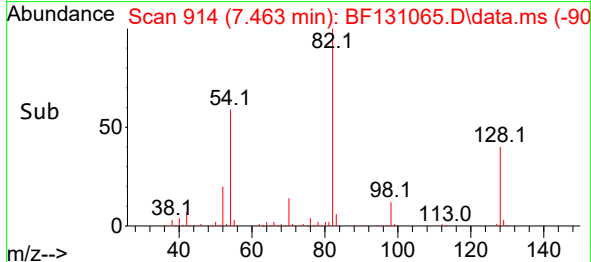
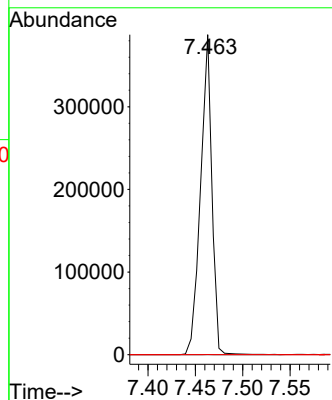
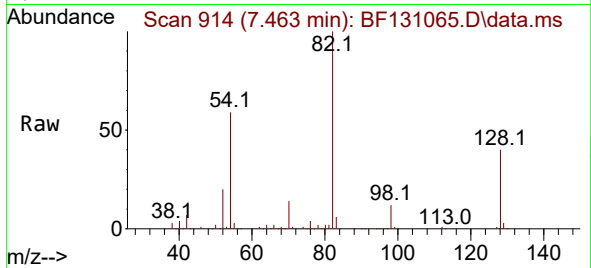




#25
Isophorone
Concen: 36.461 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.264 min
Lab File: BF131065.D
Acq: 08 Nov 2022 14:10

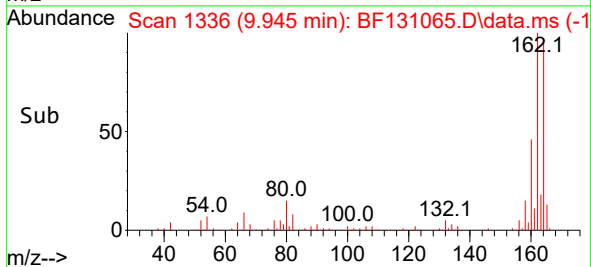
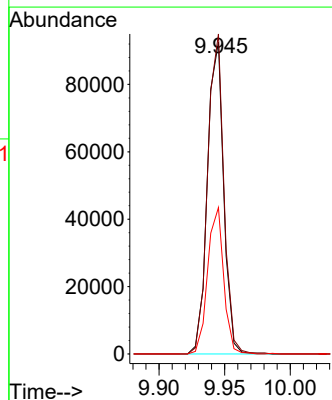
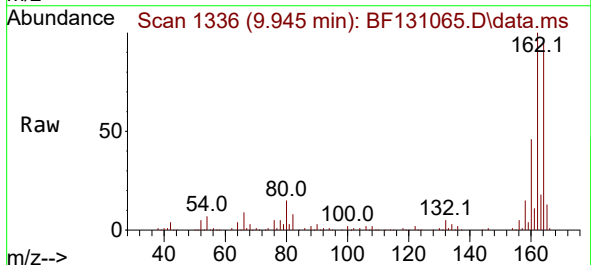
Instrument :
BNA_F
ClientSampleId :
R-22

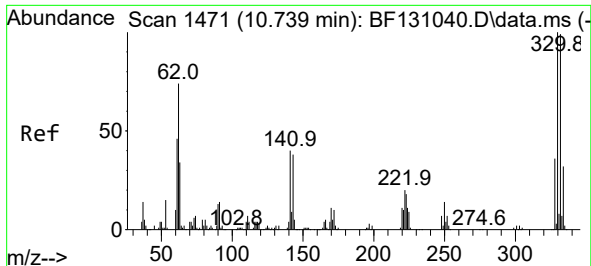
Tgt Ion: 82 Resp: 323821
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 13.5 20.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF131065.D
Acq: 08 Nov 2022 14:10

Tgt Ion:164 Resp: 79916
Ion Ratio Lower Upper
164 100
162 102.6 85.0 127.6
160 47.0 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 85.615 ng

RT: 10.733 min Scan# 1471

Delta R.T. -0.006 min

Lab File: BF131065.D

Acq: 08 Nov 2022 14:10

Instrument :

BNA_F

ClientSampleId :

R-22

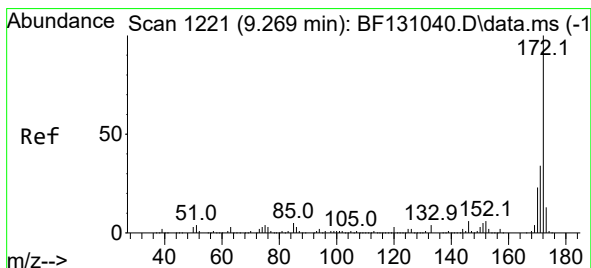
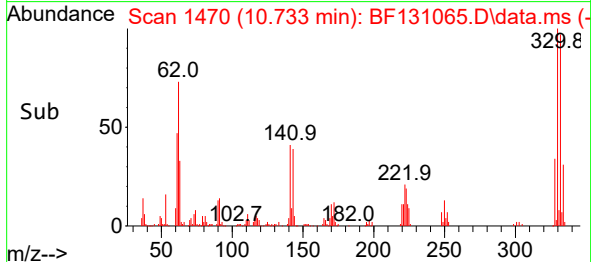
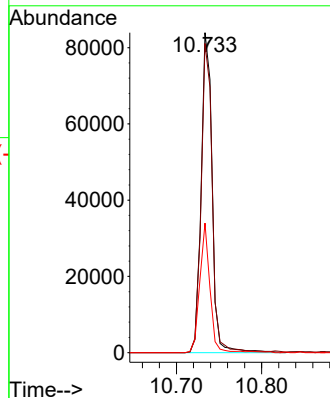
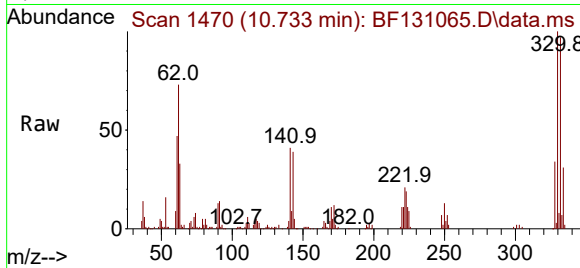
Tgt Ion:330 Resp: 75329

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.4

141 37.9 28.3 42.5



#45

2-Fluorobiphenyl

Concen: 89.816 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF131065.D

Acq: 08 Nov 2022 14:10

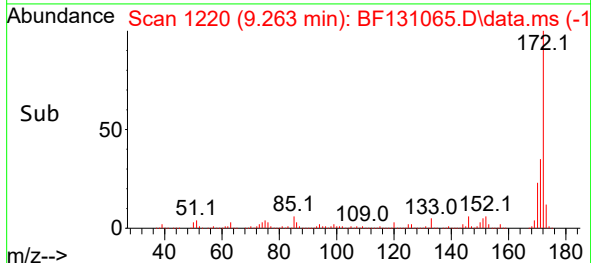
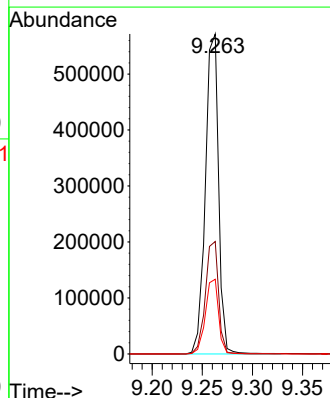
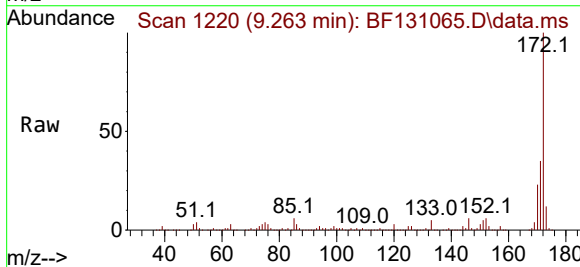
Tgt Ion:172 Resp: 526680

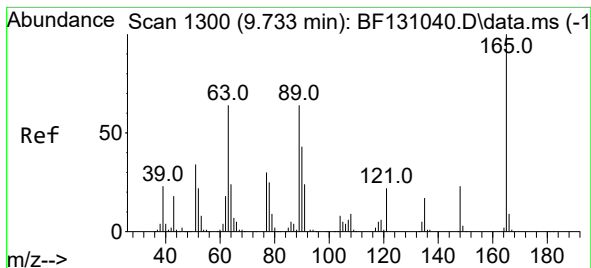
Ion Ratio Lower Upper

172 100

171 35.1 27.7 41.5

170 23.3 18.4 27.6





#51

2,6-Dinitrotoluene

Concen: 8.080 ng

RT: 9.945 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF131065.D

Acq: 08 Nov 2022 14:10

Instrument :

BNA_F

ClientSampleId :

R-22

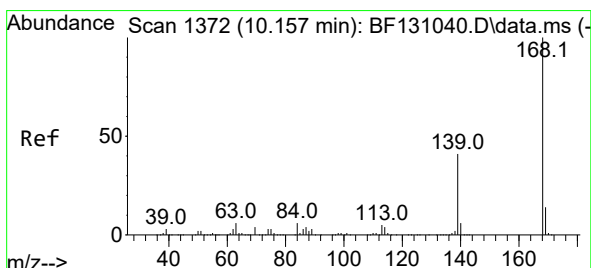
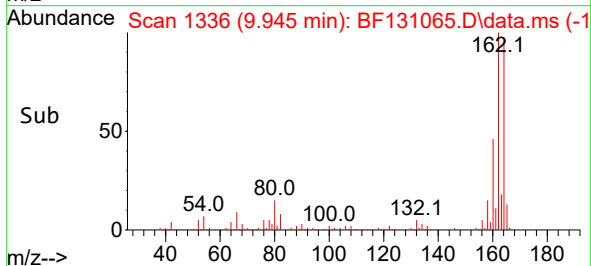
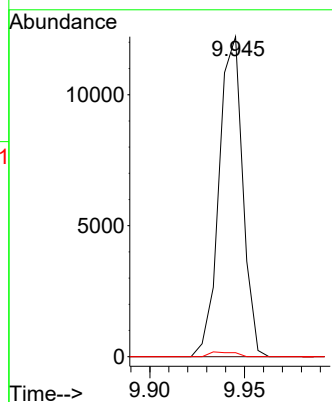
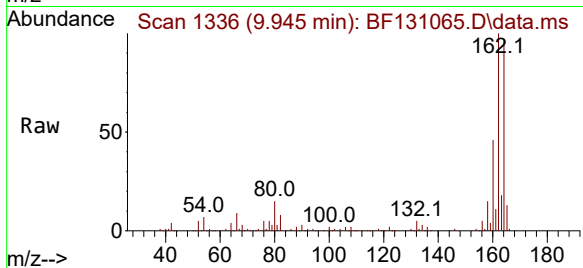
Tgt Ion:165 Resp: 10616

Ion Ratio Lower Upper

165 100

63 0.0 57.2 85.8#

89 1.2 51.4 77.2#



#55

Dibenzofuran

Concen: Below Cal

RT: 10.151 min Scan# 1371

Delta R.T. -0.006 min

Lab File: BF131065.D

Acq: 08 Nov 2022 14:10

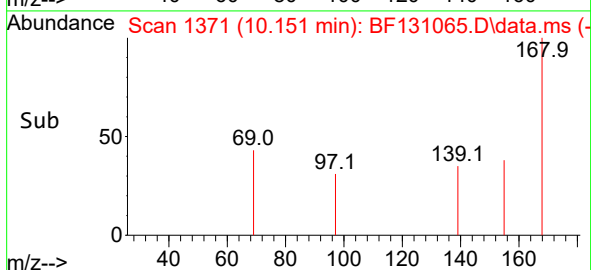
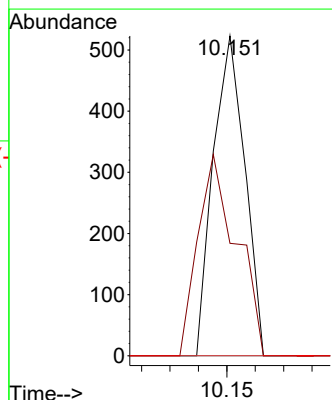
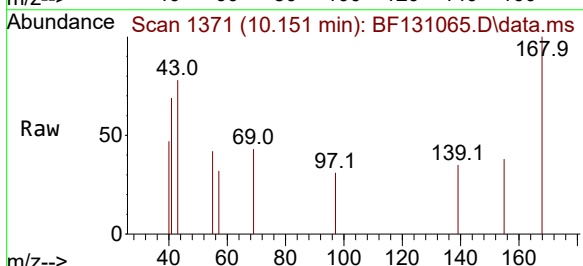
Tgt Ion:168 Resp: 404

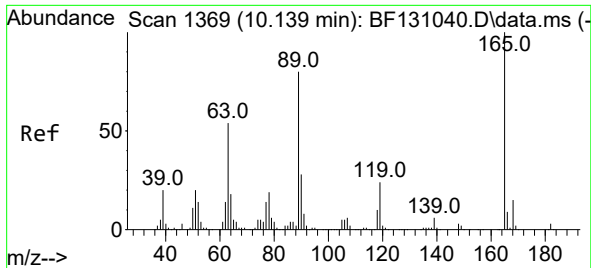
Ion Ratio Lower Upper

168 100

139 35.2 33.0 49.6

169 0.0 11.3 16.9#

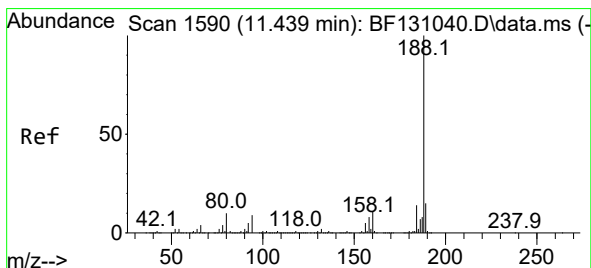
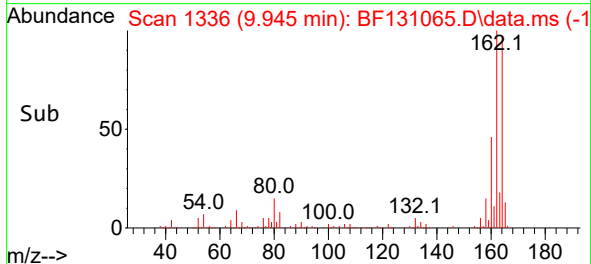
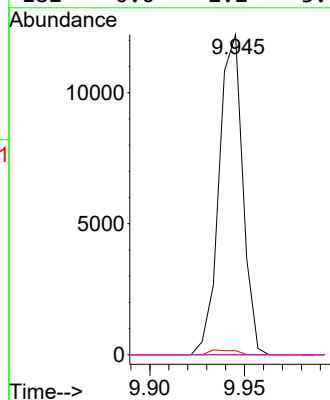
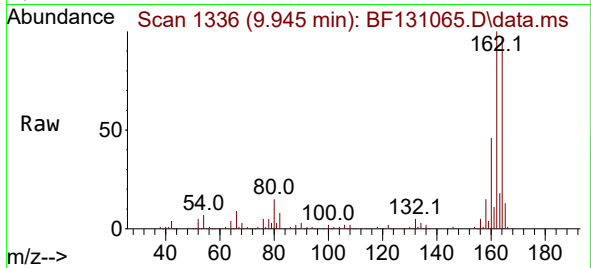




#57
2,4-Dinitrotoluene
Concen: 6.219 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF131065.D
Acq: 08 Nov 2022 14:10

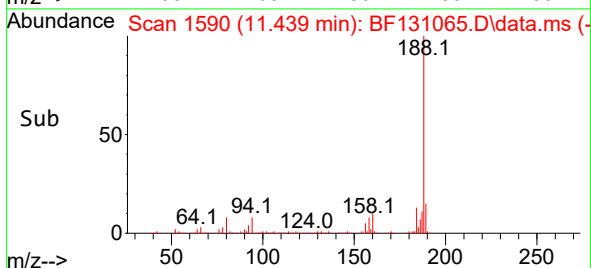
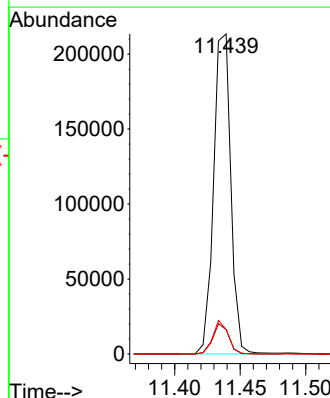
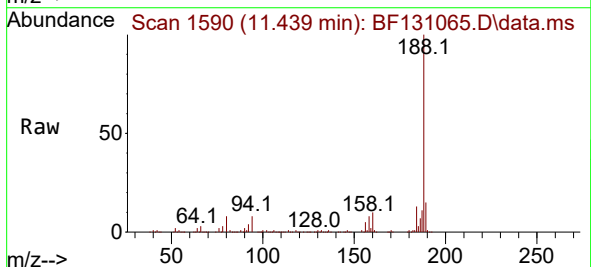
Instrument :
BNA_F
ClientSampleId :
R-22

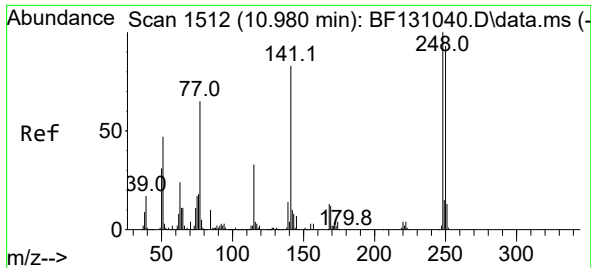
Tgt Ion:165 Resp: 10616
Ion Ratio Lower Upper
165 100
63 0.0 43.4 65.0#
89 1.2 64.0 96.0#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF131065.D
Acq: 08 Nov 2022 14:10

Tgt Ion:188 Resp: 195026
Ion Ratio Lower Upper
188 100
94 7.6 7.0 10.6
80 7.6 8.1 12.1#

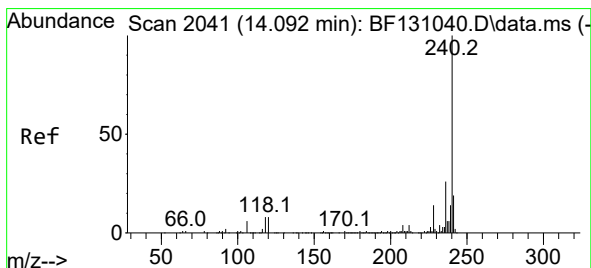
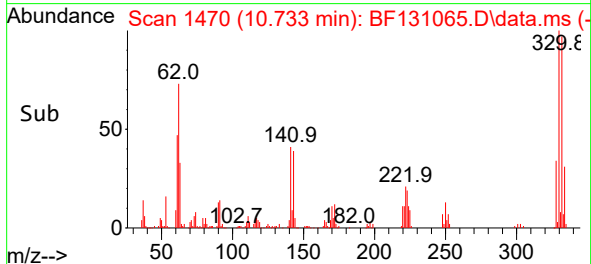
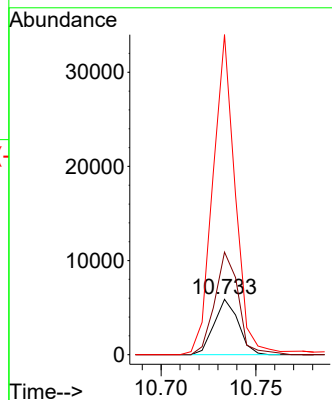
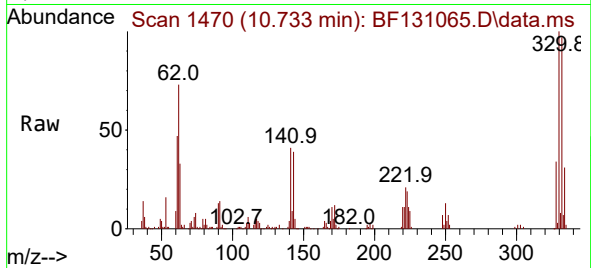




#67
4-Bromophenyl-phenylether
Concen: 2.137 ng
RT: 10.733 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF131065.D
Acq: 08 Nov 2022 14:10

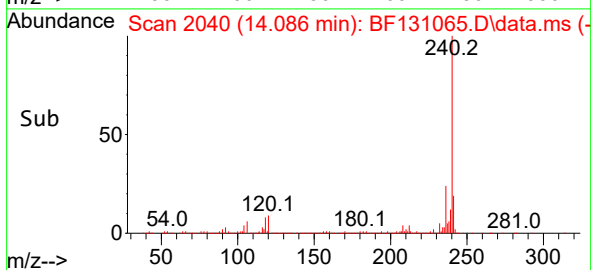
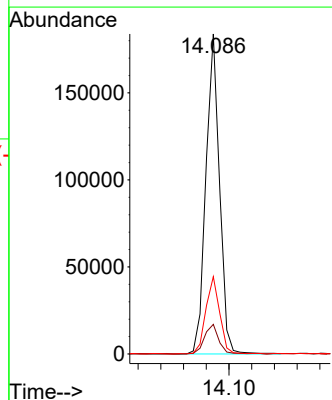
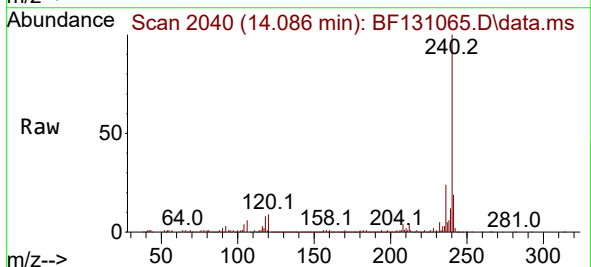
Instrument :
BNA_F
ClientSampleId :
R-22

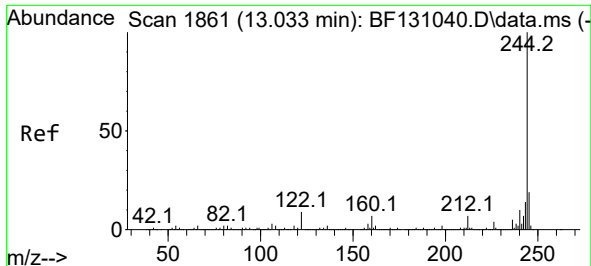
Tgt Ion:248 Resp: 5237
Ion Ratio Lower Upper
248 100
250 185.2 74.6 112.0#
141 577.6 66.2 99.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BF131065.D
Acq: 08 Nov 2022 14:10

Tgt Ion:240 Resp: 152862
Ion Ratio Lower Upper
240 100
120 9.2 6.7 10.1
236 24.1 20.8 31.2

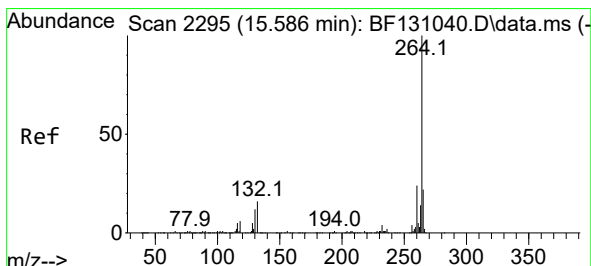
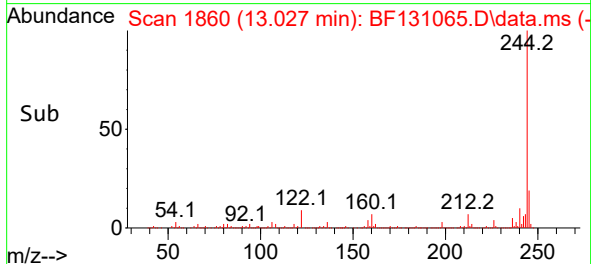
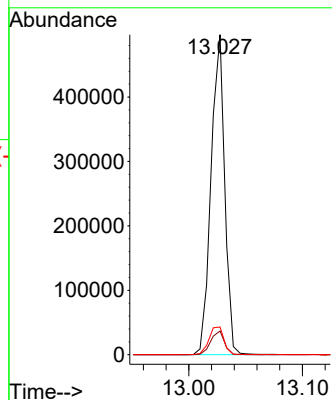
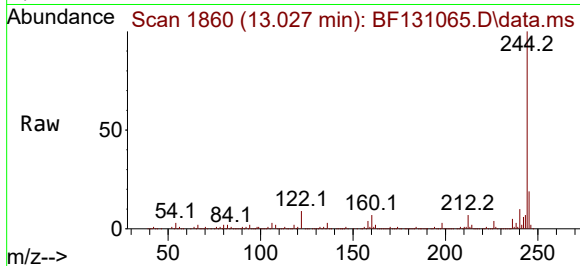




#79
 Terphenyl-d14
 Concen: 43.460 ng
 RT: 13.027 min Scan# 1860
 Delta R.T. -0.006 min
 Lab File: BF131065.D
 Acq: 08 Nov 2022 14:10

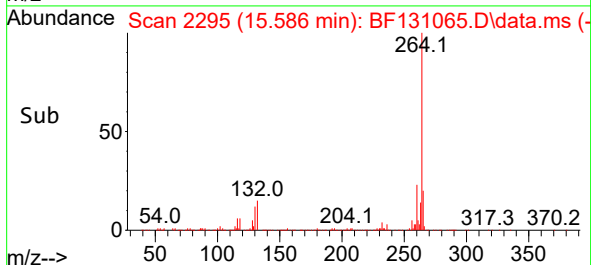
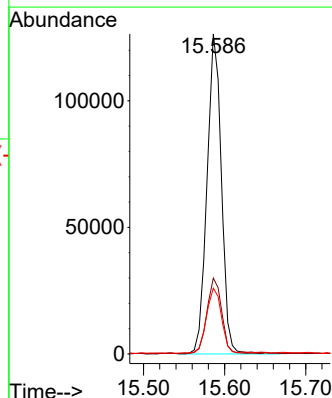
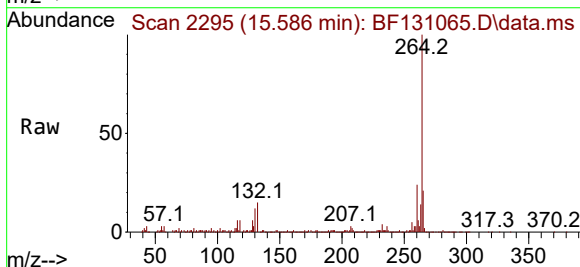
Instrument :
 BNA_F
 ClientSampleId :
 R-22

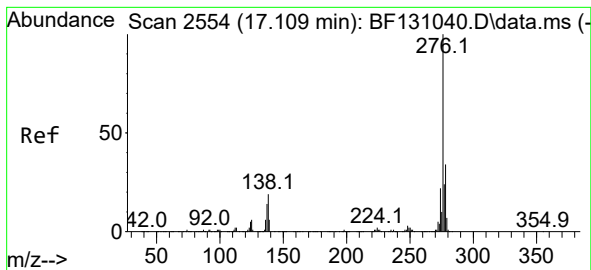
Tgt Ion:244 Resp: 414364
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 8.7 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.586 min Scan# 2295
 Delta R.T. 0.000 min
 Lab File: BF131065.D
 Acq: 08 Nov 2022 14:10

Tgt Ion:264 Resp: 155675
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.8 28.2
 265 20.6 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.933 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.011 min

Lab File: BF131065.D

Acq: 08 Nov 2022 14:10

Instrument :

BNA_F

ClientSampleId :

R-22

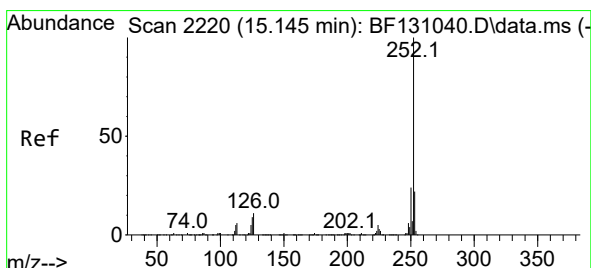
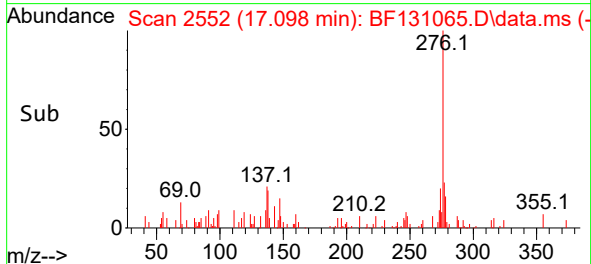
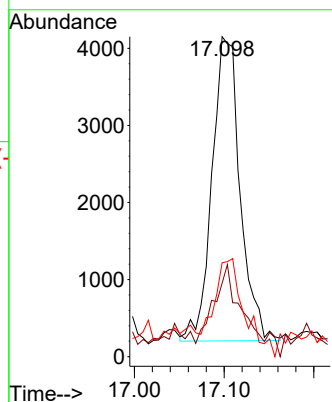
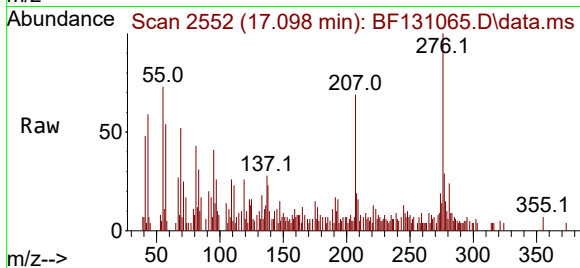
Tgt Ion:276 Resp: 8580

Ion Ratio Lower Upper

276 100

138 34.0 17.3 25.9#

277 34.6 20.2 30.4#



#88

Benzo(b)fluoranthene

Concen: 2.161 ng

RT: 15.145 min Scan# 2220

Delta R.T. 0.000 min

Lab File: BF131065.D

Acq: 08 Nov 2022 14:10

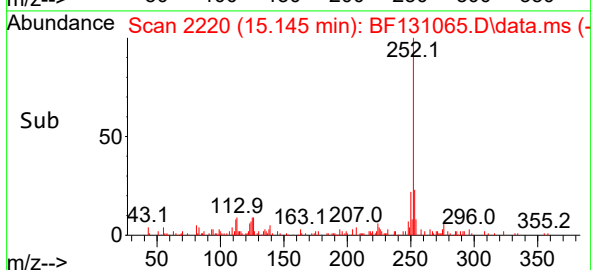
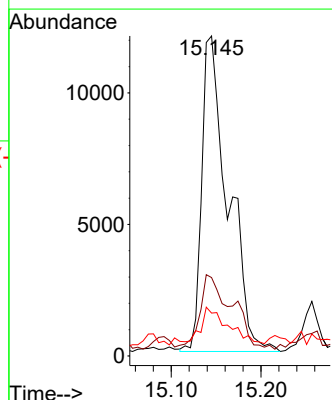
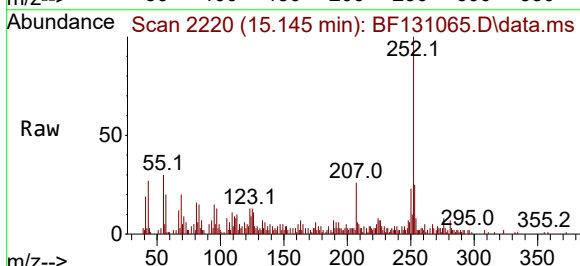
Tgt Ion:252 Resp: 24452

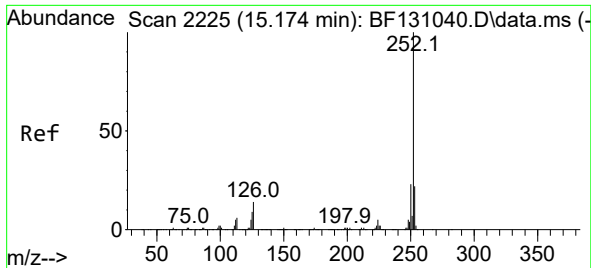
Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

125 13.4 7.1 10.7#

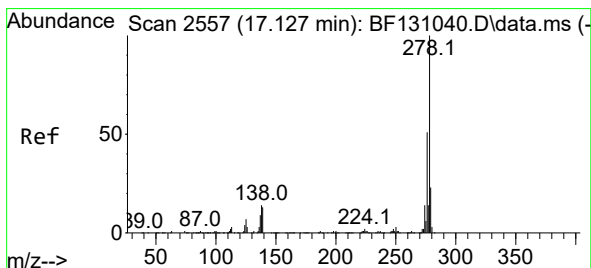
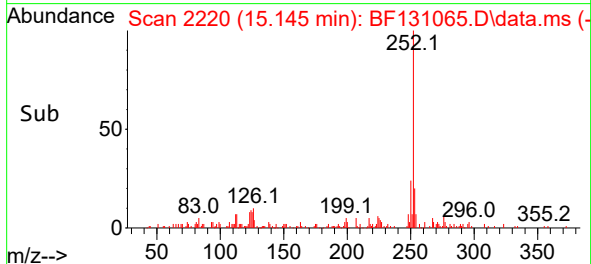
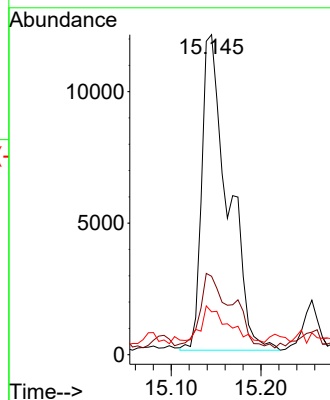
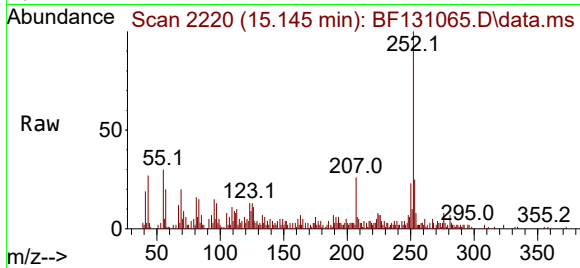




#89
Benzo(k)fluoranthene
Concen: 2.218 ng
RT: 15.145 min Scan# 211
Delta R.T. -0.029 min
Lab File: BF131065.D
Acq: 08 Nov 2022 14:10

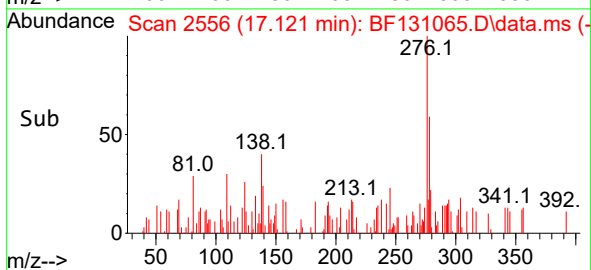
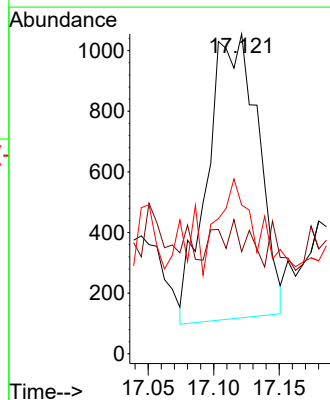
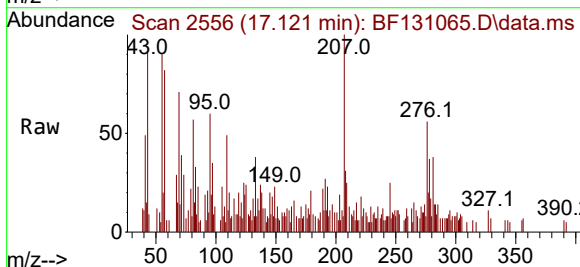
Instrument :
BNA_F
ClientSampleId :
R-22

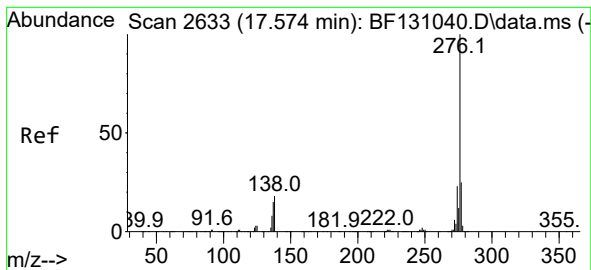
Tgt Ion:252 Resp: 24452
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 13.4 7.2 10.8#



#91
Dibenzo(a,h)anthracene
Concen: 3.525 ng
RT: 17.121 min Scan# 2556
Delta R.T. -0.006 min
Lab File: BF131065.D
Acq: 08 Nov 2022 14:10

Tgt Ion:278 Resp: 2515
Ion Ratio Lower Upper
278 100
139 31.9 10.8 16.2#
279 46.5 18.7 28.1#





#92

Benzo(g,h,i)perylene

Concen: 4.203 ng

RT: 17.557 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF131065.D

Acq: 08 Nov 2022 14:10

Instrument :

BNA_F

ClientSampleId :

R-22

Tgt Ion:276 Resp: 9522

Ion Ratio Lower Upper

276 100

277 32.3 20.0 30.0#

138 19.8 14.8 22.2

