

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
 Data File : BF131444.D
 Acq On : 28 Nov 2022 23:09
 Operator : CG\JU
 Sample : N5752-19
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-16S

Quant Time: Nov 29 01:00:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 00:18:36 2022
 Response via : Initial Calibration

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

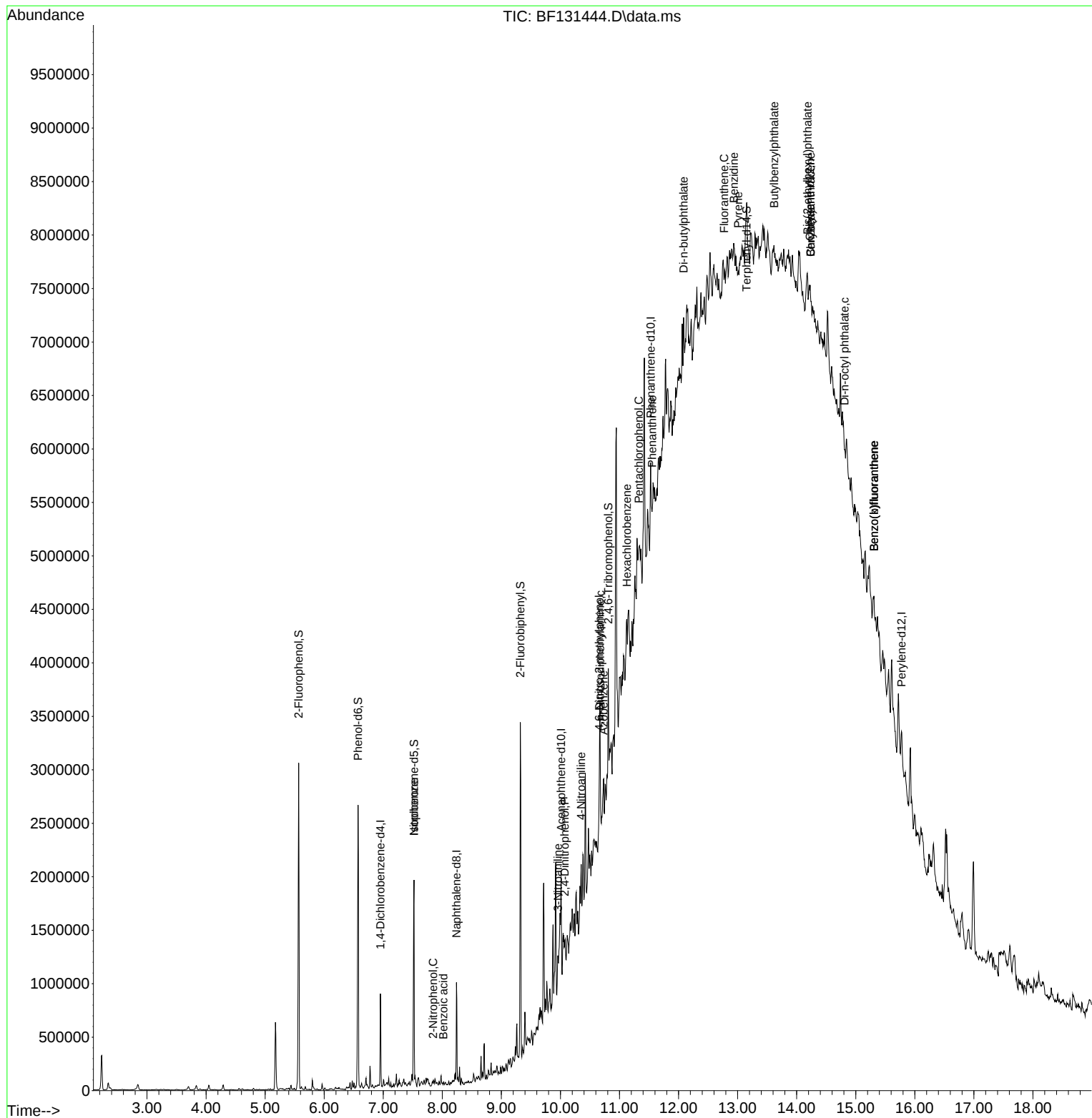
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	109692	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	362106	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	163516	20.000	ng	0.00
64) Phenanthrene-d10	11.527	188	166602	20.000	ng	# 0.02
76) Chrysene-d12	14.227	240	113973	20.000	ng	# 0.06
86) Perylene-d12	15.774	264	119182	20.000	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	794026	137.768	ng	0.01
7) Phenol-d6	6.575	99	974272	132.490	ng	0.00
23) Nitrobenzene-d5	7.522	82	596823	83.083	ng	0.00
42) 2,4,6-Tribromophenol	10.810	330	157928	114.801	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	978140	87.026	ng	0.00
79) Terphenyl-d14	13.151	244	492183	70.618	ng	0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.504	77	3093	Below Cal	#	1
25) Isophorone	7.522	82	596143	46.516	ng	# 68
26) 2-Nitrophenol	7.845	139	493	3.771	ng	# 1
32) Benzoic acid	8.016	122	1330	5.633	ng	# 50
53) 3-Nitroaniline	9.957	138	9186	3.924	ng	# 15
54) 2,4-Dinitrophenol	10.075	184	351	5.386	ng	# 1
62) 4-Nitroaniline	10.351	138	5540	2.378	ng	99
63) Azobenzene	10.727	77	66739	5.770	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.657	198	1529	6.953	ng	# 1
66) n-Nitrosodiphenylamine	10.675	169	37260	7.019	ng	# 58
68) Hexachlorobenzene	11.127	284	4535	2.093	ng	# 1
70) Pentachlorophenol	11.327	266	355	5.143	ng	# 1
71) Phenanthrene	11.551	178	26554	2.949	ng	# 1
74) Di-n-butylphthalate	12.086	149	54848	6.167	ng	# 40
75) Fluoranthene	12.774	202	25727	2.712	ng	# 3
77) Benzidine	12.939	184	6238	2.963	ng	# 1
78) Pyrene	13.010	202	43936	4.369	ng	# 45
80) Butylbenzylphthalate	13.621	149	4482	5.354	ng	# 11
81) Benzo(a)anthracene	14.239	228	40108	5.134	ng	# 1
83) Chrysene	14.239	228	39708	5.181	ng	# 3
84) Bis(2-ethylhexyl)phtha...	14.186	149	166082	37.853	ng	# 89
85) Di-n-octyl phthalate	14.810	149	14666	6.501	ng	# 70
88) Benzo(b)fluoranthene	15.310	252	22845	2.885	ng	# 1
89) Benzo(k)fluoranthene	15.310	252	22845	2.808	ng	# 1

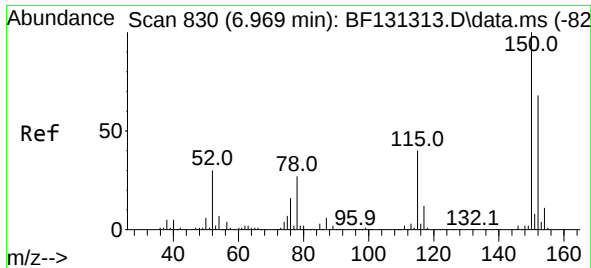
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
Data File : BF131444.D
Acq On : 28 Nov 2022 23:09
Operator : CG\JU
Sample : N5752-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-16S

Quant Time: Nov 29 01:00:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 00:18:36 2022
Response via : Initial Calibration

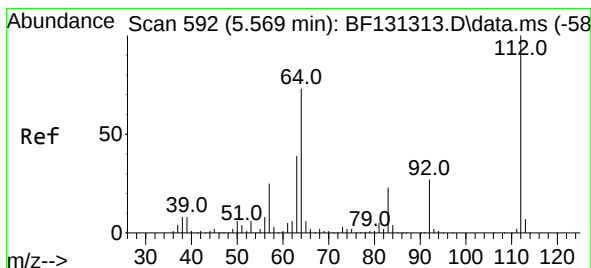
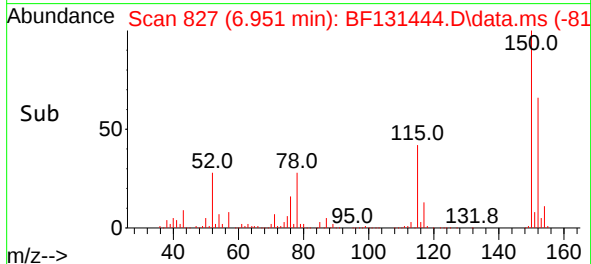
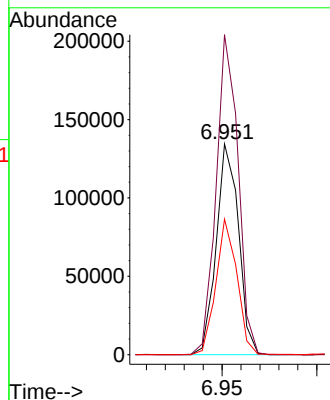
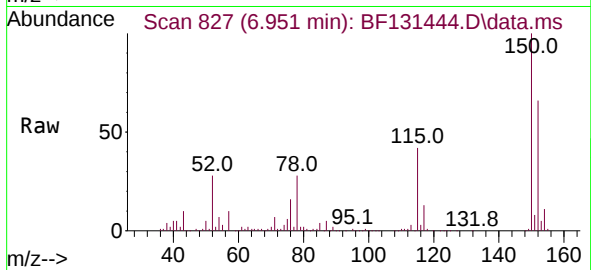




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

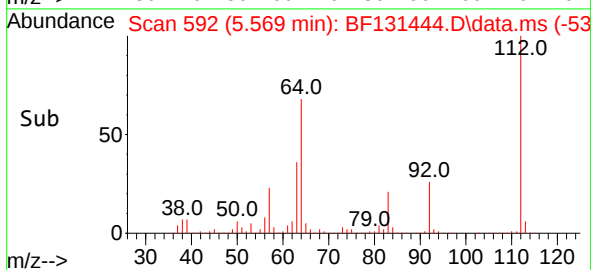
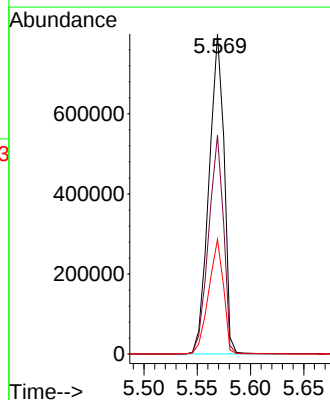
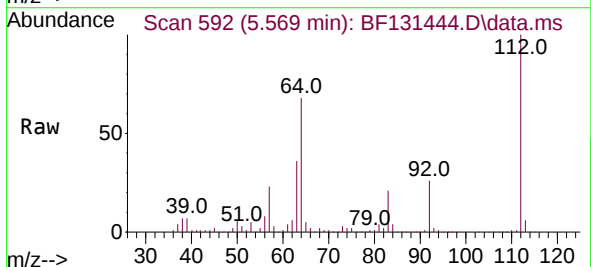
Instrument :
BNA_F
ClientSampleId :
B-16S

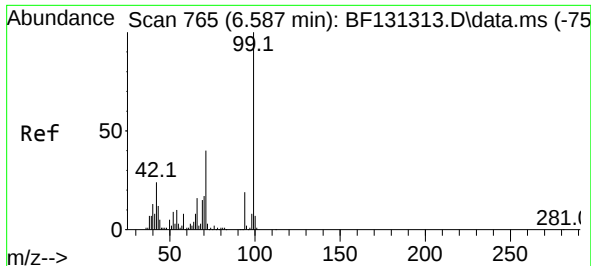
Tgt Ion:152 Resp: 109692
Ion Ratio Lower Upper
152 100
150 151.9 117.8 176.8
115 64.4 47.1 70.7



#5
2-Fluorophenol
Concen: 137.768 ng
RT: 5.569 min Scan# 592
Delta R.T. 0.012 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

Tgt Ion:112 Resp: 794026
Ion Ratio Lower Upper
112 100
64 68.3 58.6 88.0
63 35.8 31.4 47.0

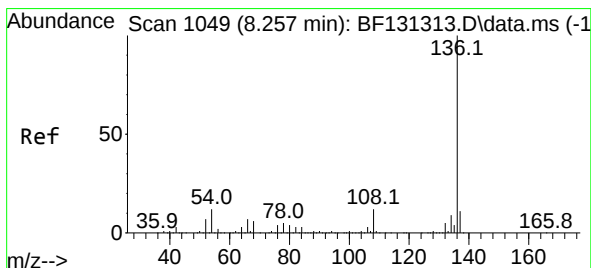
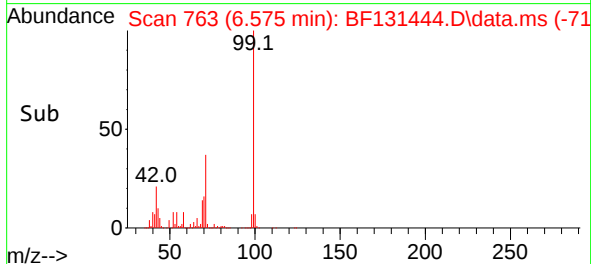
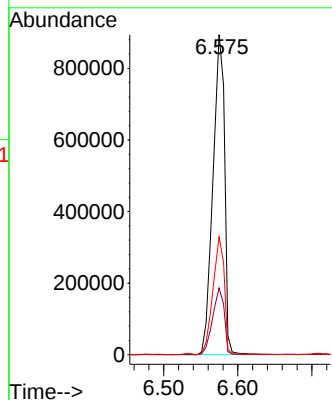
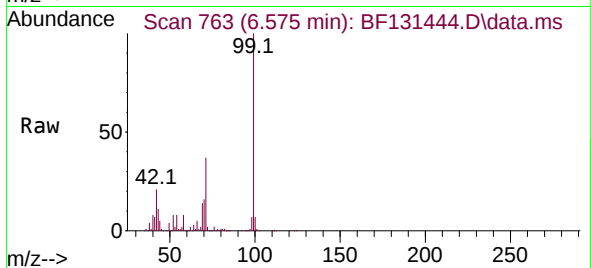




#7
Phenol-d6
Concen: 132.490 ng
RT: 6.575 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

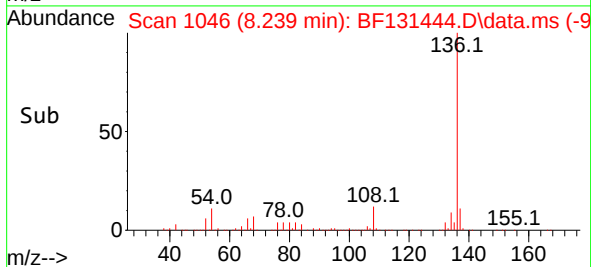
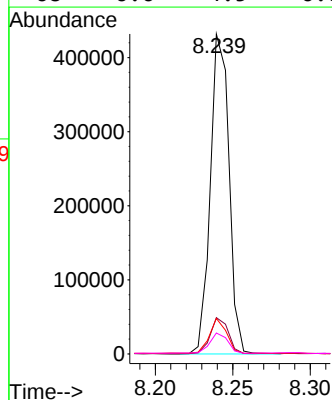
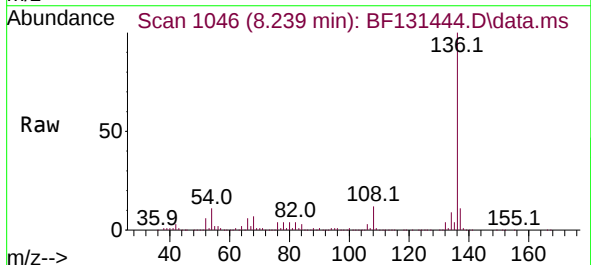
Instrument :
BNA_F
ClientSampleId :
B-16S

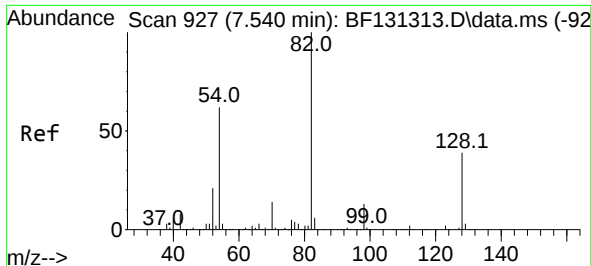
Tgt Ion: 99 Resp: 974272
Ion Ratio Lower Upper
99 100
42 20.9 19.4 29.2
71 36.8 32.3 48.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

Tgt Ion:136 Resp: 362106
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 11.1 9.4 14.0
68 6.6 4.5 6.7

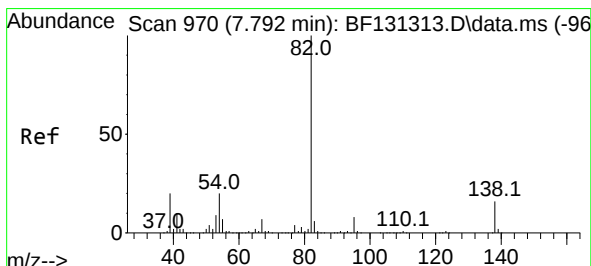
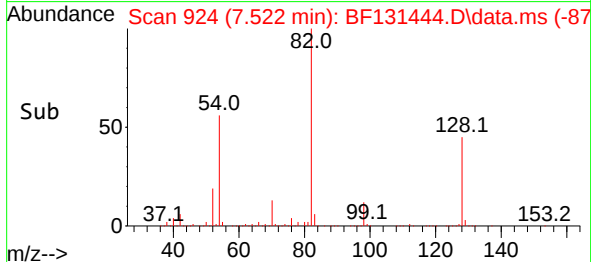
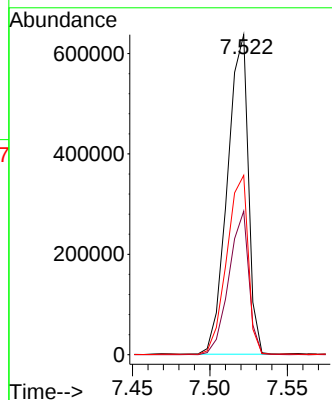
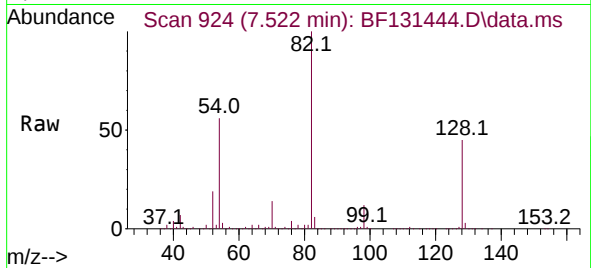




#23
Nitrobenzene-d5
Concen: 83.083 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

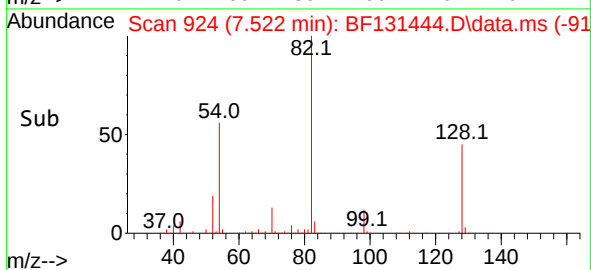
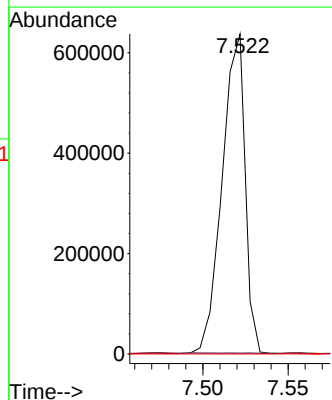
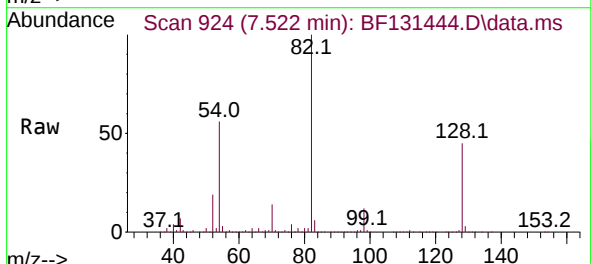
Instrument :
BNA_F
ClientSampleId :
B-16S

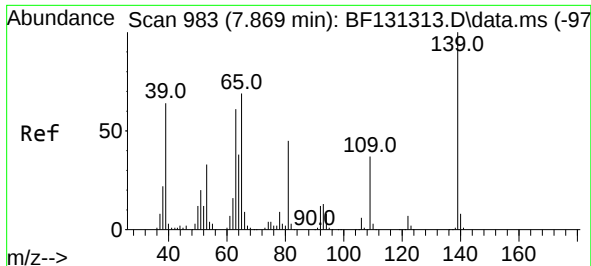
Tgt Ion: 82 Resp: 596823
Ion Ratio Lower Upper
82 100
128 44.8 31.4 47.0
54 56.0 49.8 74.6



#25
Isophorone
Concen: 46.516 ng
RT: 7.522 min Scan# 924
Delta R.T. -0.259 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

Tgt Ion: 82 Resp: 596143
Ion Ratio Lower Upper
82 100
95 0.3 6.2 9.2#
138 0.0 12.7 19.1#

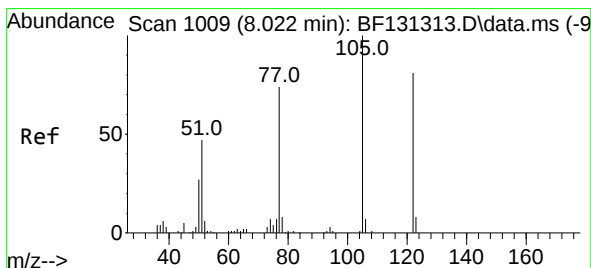
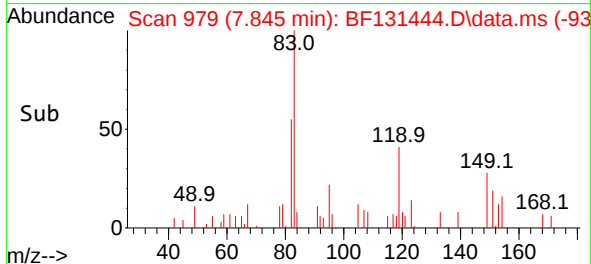
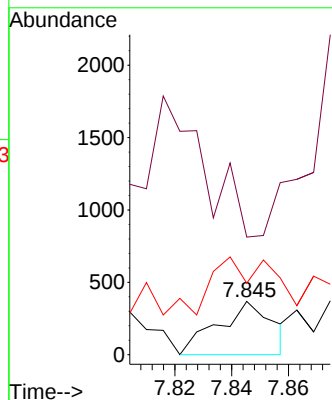
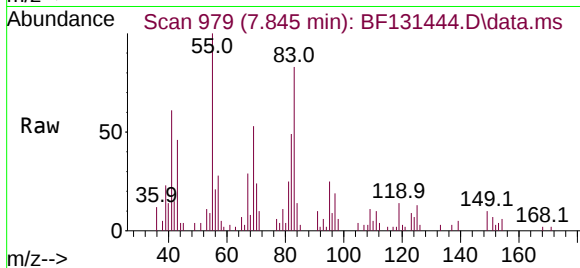




#26
2-Nitrophenol
Concen: 3.771 ng
RT: 7.845 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

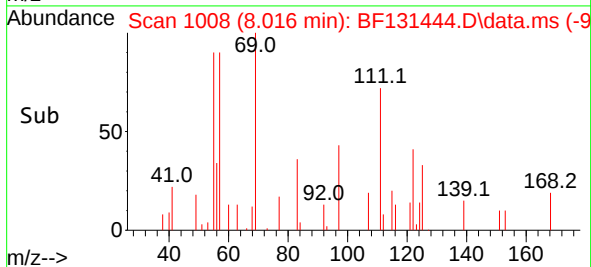
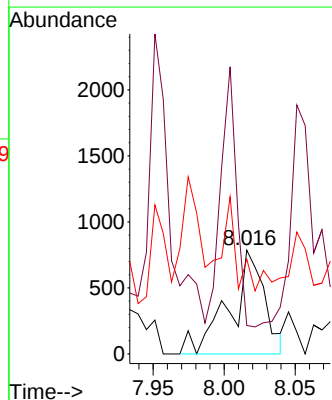
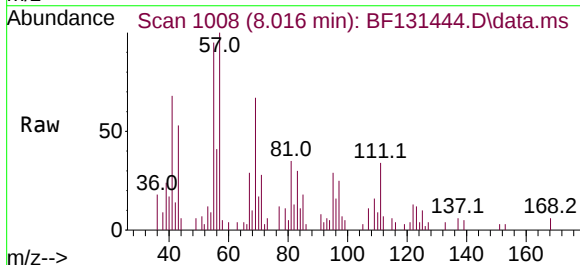
Instrument :
BNA_F
ClientSampleId :
B-16S

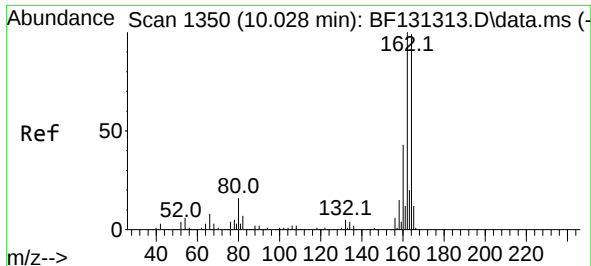
Tgt Ion:139 Resp: 493
Ion Ratio Lower Upper
139 100
109 220.9 29.9 44.9#
65 134.2 55.7 83.5#



#32
Benzoic acid
Concen: 5.633 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.012 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

Tgt Ion:122 Resp: 1330
Ion Ratio Lower Upper
122 100
105 27.4 103.8 143.8#
77 91.4 74.3 114.3

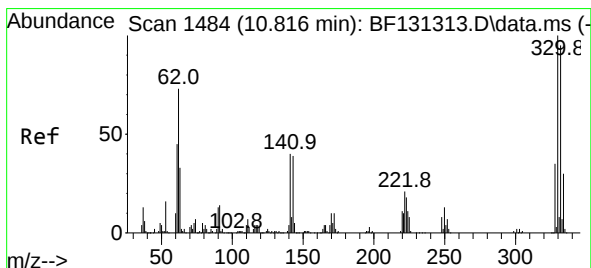
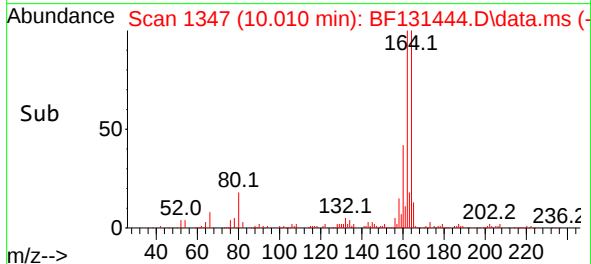
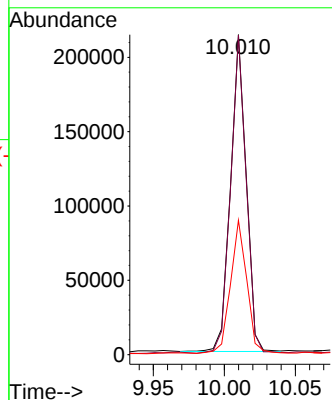
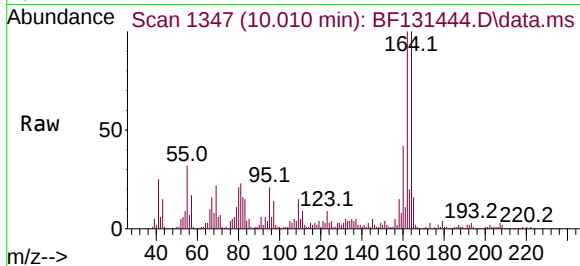




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

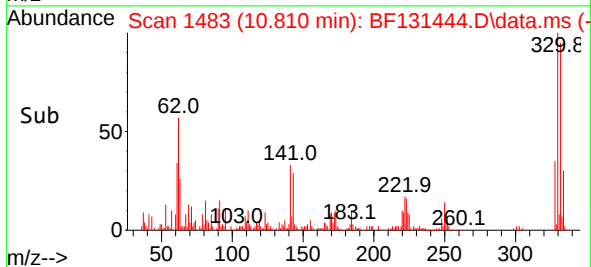
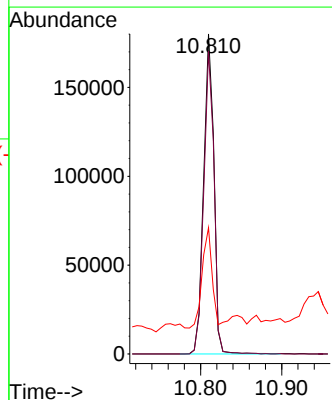
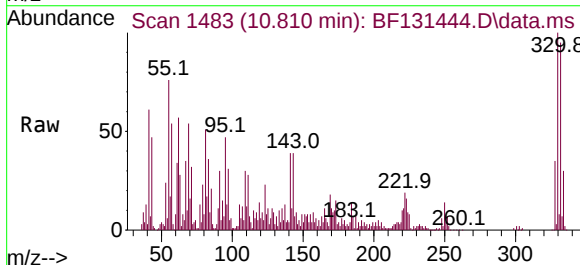
Instrument :
BNA_F
ClientSampleId :
B-16S

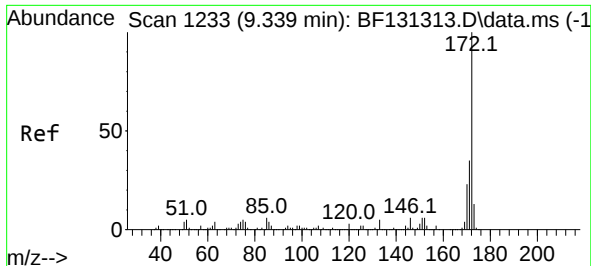
Tgt Ion:164 Resp: 163516
Ion Ratio Lower Upper
164 100
162 99.8 80.6 120.8
160 42.0 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 114.801 ng
RT: 10.810 min Scan# 1483
Delta R.T. 0.006 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

Tgt Ion:330 Resp: 157928
Ion Ratio Lower Upper
330 100
332 94.9 77.5 116.3
141 31.0 29.3 43.9

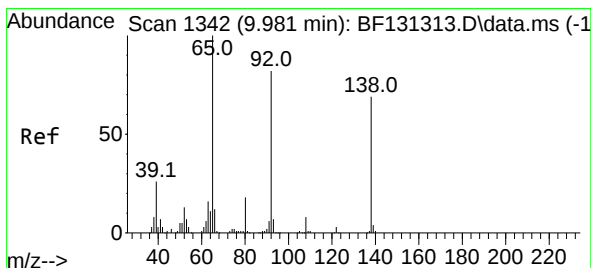
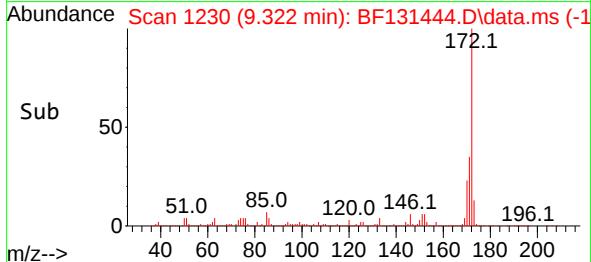
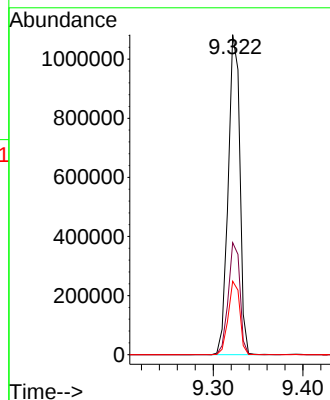
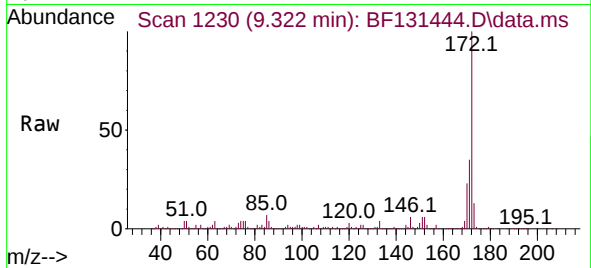




#45
2-Fluorobiphenyl
Concen: 87.026 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

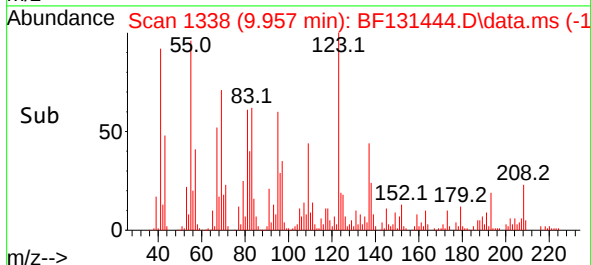
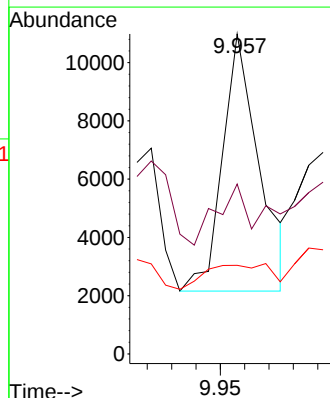
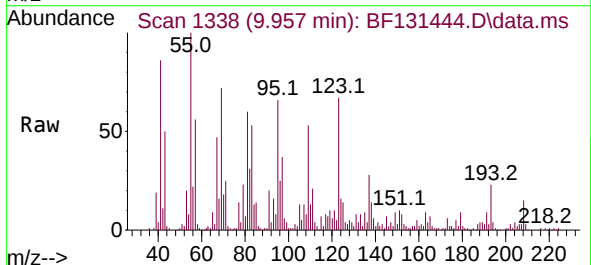
Instrument :
BNA_F
ClientSampleId :
B-16S

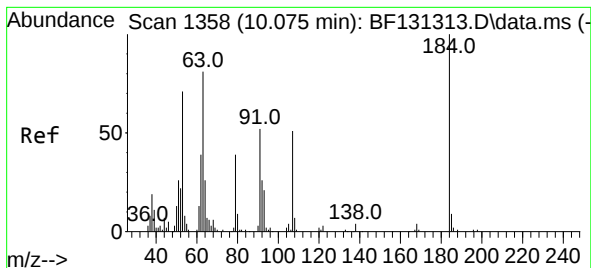
Tgt Ion:172 Resp: 978140
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 22.9 18.7 28.1



#53
3-Nitroaniline
Concen: 3.924 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

Tgt Ion:138 Resp: 9186
Ion Ratio Lower Upper
138 100
108 53.1 8.9 13.3#
92 27.7 95.3 142.9#

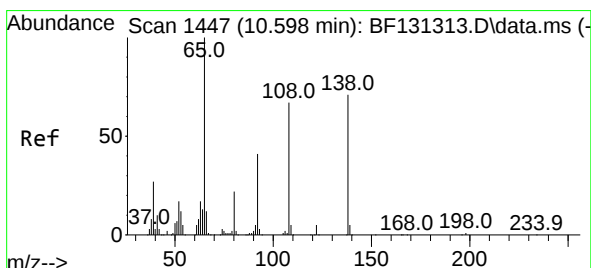
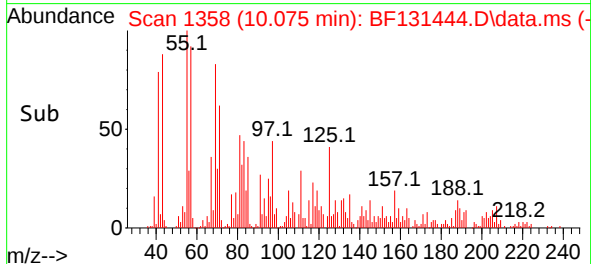
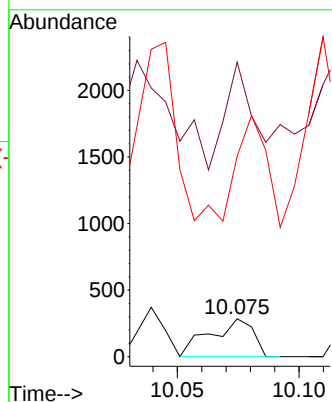
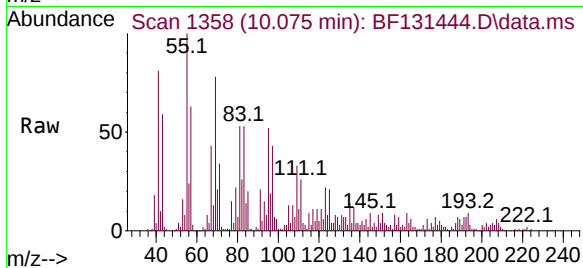




#54
2,4-Dinitrophenol
Concen: 5.386 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

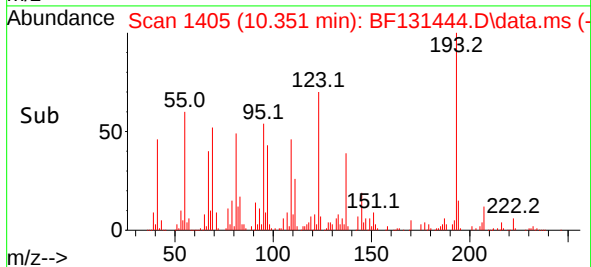
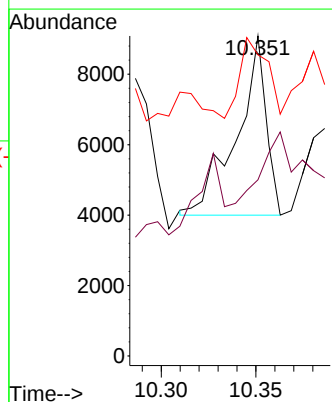
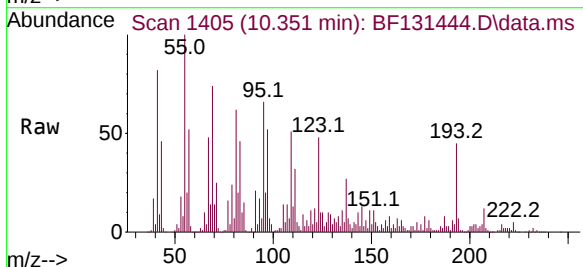
Instrument :
BNA_F
ClientSampleId :
B-16S

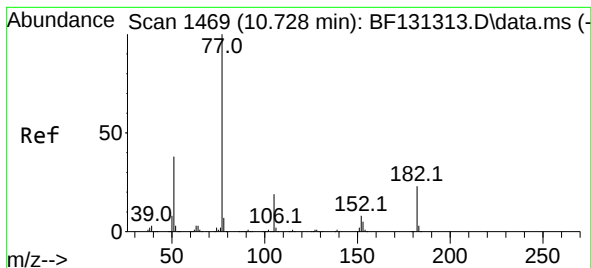
Tgt Ion:184 Resp: 351
Ion Ratio Lower Upper
184 100
63 776.5 72.1 108.1#
154 528.4 56.3 84.5#



#62
4-Nitroaniline
Concen: 2.378 ng
RT: 10.351 min Scan# 1405
Delta R.T. -0.235 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

Tgt Ion:138 Resp: 5540
Ion Ratio Lower Upper
138 100
92 55.0 37.0 77.0
108 94.1 74.0 114.0





#63

Azobenzene

Concen: 5.770 ng

RT: 10.727 min Scan# 1469

Delta R.T. 0.012 min

Lab File: BF131444.D

Acq: 28 Nov 2022 23:09

Instrument :

BNA_F

ClientSampleId :

B-16S

Tgt Ion: 77 Resp: 66739

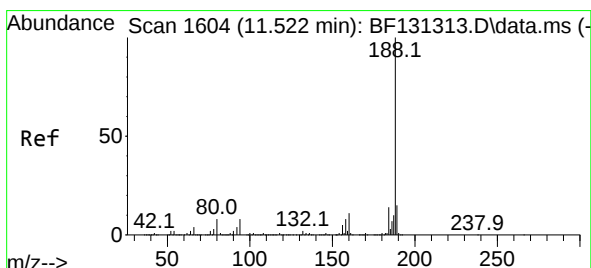
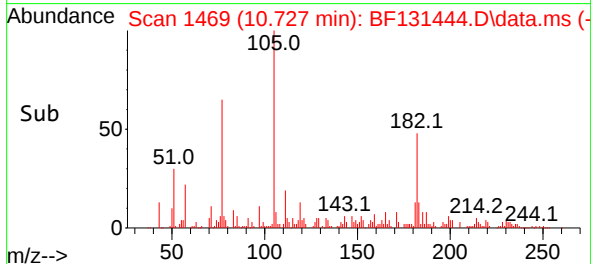
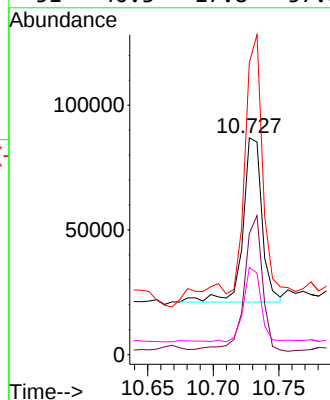
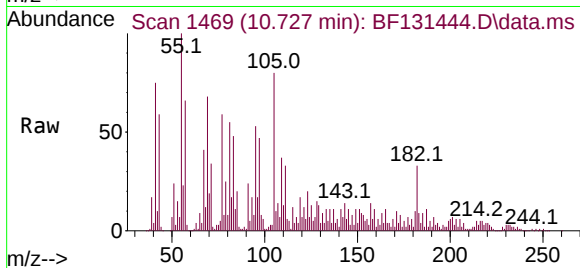
Ion Ratio Lower Upper

77 100

182 55.9 3.1 43.1#

105 134.7 0.0 39.2#

51 40.3 17.8 57.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.527 min Scan# 1605

Delta R.T. 0.023 min

Lab File: BF131444.D

Acq: 28 Nov 2022 23:09

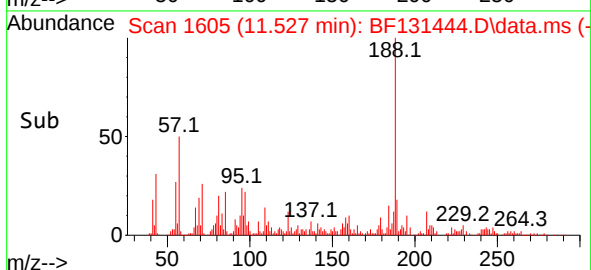
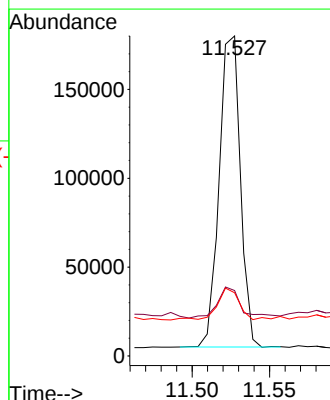
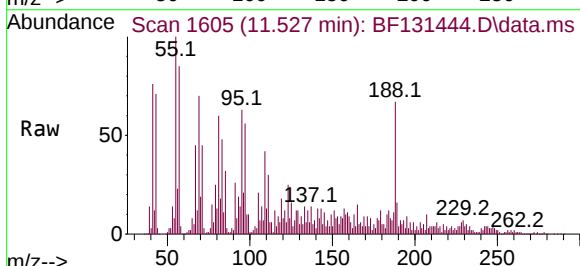
Tgt Ion: 188 Resp: 166602

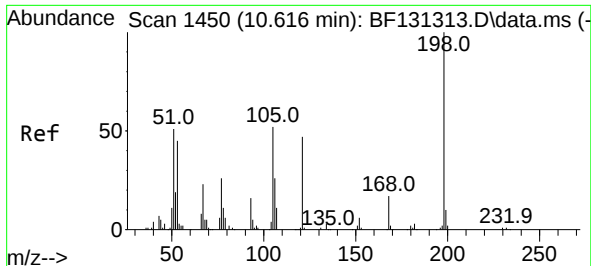
Ion Ratio Lower Upper

188 100

94 20.5 6.3 9.5#

80 19.8 6.8 10.2#

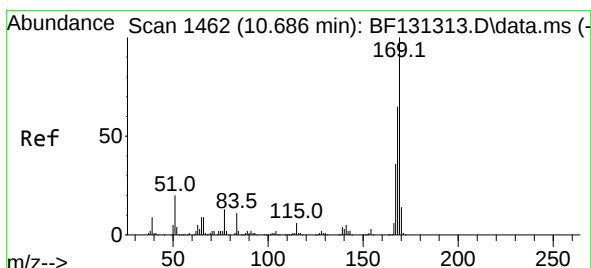
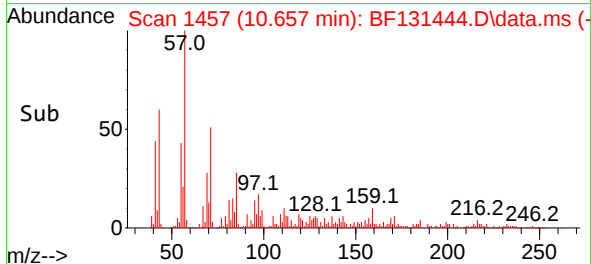
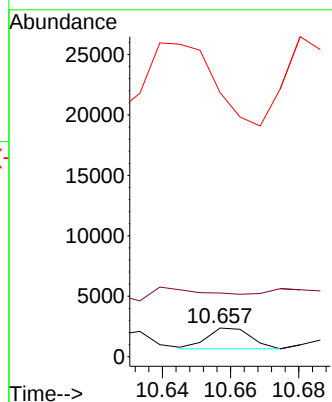
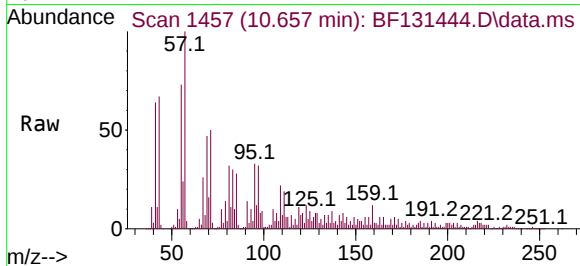




#65
4,6-Dinitro-2-methylphenol
Concen: 6.953 ng
RT: 10.657 min Scan# 1450
Delta R.T. 0.053 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

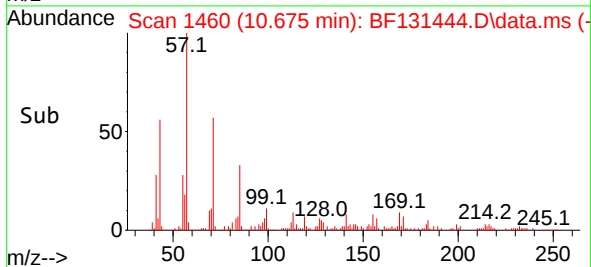
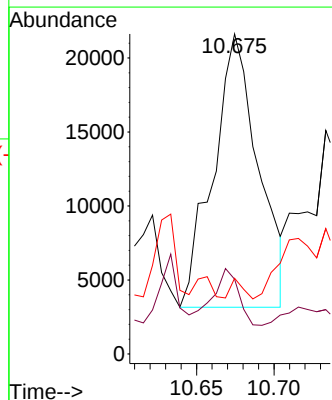
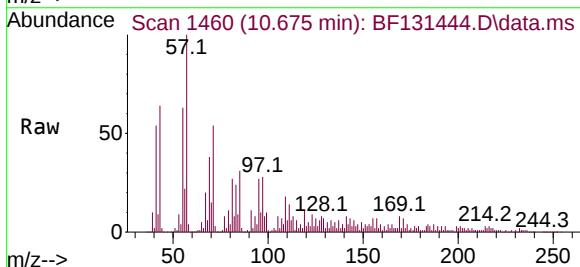
Instrument :
BNA_F
ClientSampleId :
B-16S

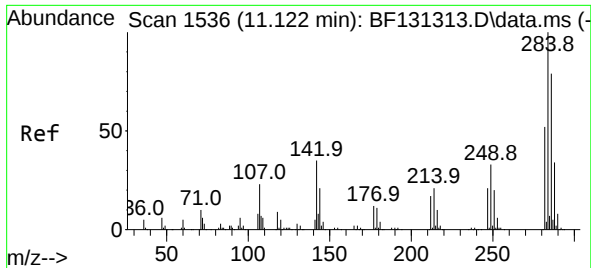
Tgt Ion:198 Resp: 1529
Ion Ratio Lower Upper
198 100
51 221.7 50.1 90.1#
105 920.6 32.5 72.5#



#66
n-Nitrosodiphenylamine
Concen: 7.019 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

Tgt Ion:169 Resp: 37260
Ion Ratio Lower Upper
169 100
168 23.3 52.4 78.6#
167 23.7 29.2 43.8#

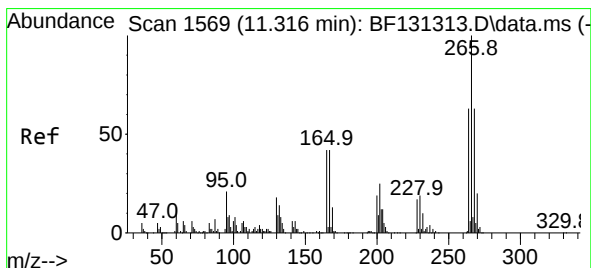
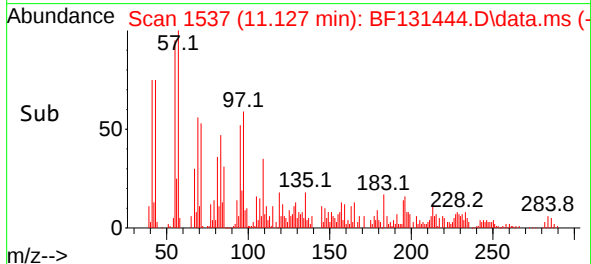
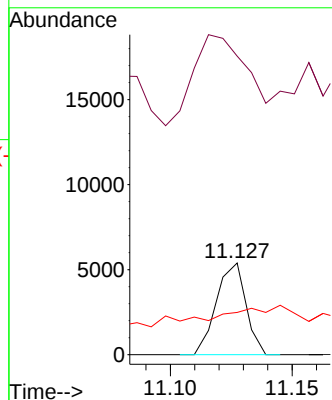
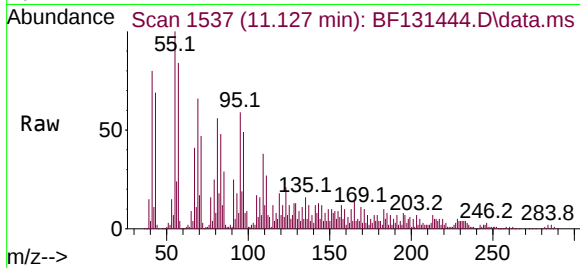




#68
Hexachlorobenzene
Concen: 2.093 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.018 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

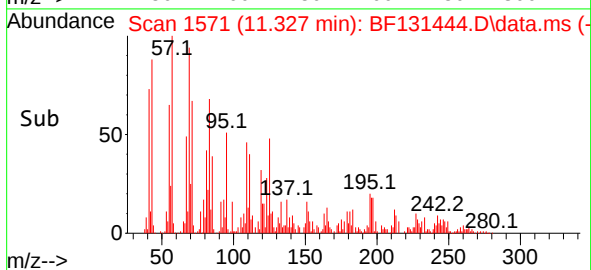
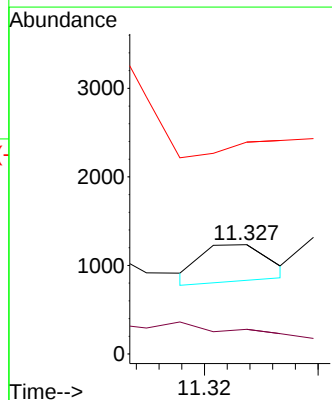
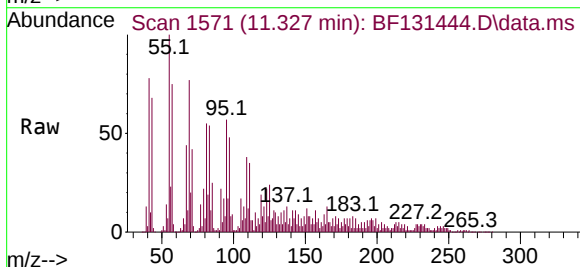
Instrument :
BNA_F
ClientSampleId :
B-16S

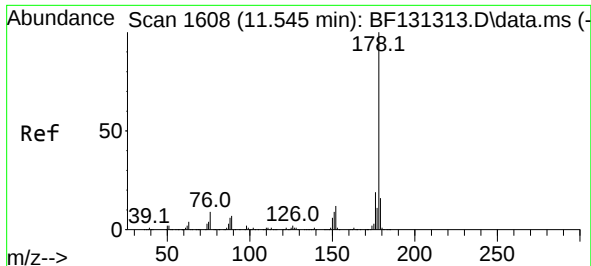
Tgt Ion:284 Resp: 4535
Ion Ratio Lower Upper
284 100
142 325.5 28.4 42.6#
249 46.1 26.5 39.7#



#70
Pentachlorophenol
Concen: 5.143 ng
RT: 11.327 min Scan# 1571
Delta R.T. 0.023 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

Tgt Ion:266 Resp: 355
Ion Ratio Lower Upper
266 100
268 22.5 50.6 75.8#
264 193.7 50.4 75.6#

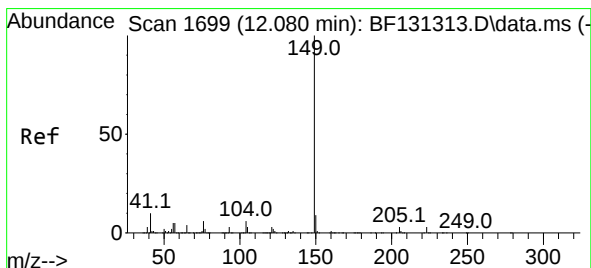
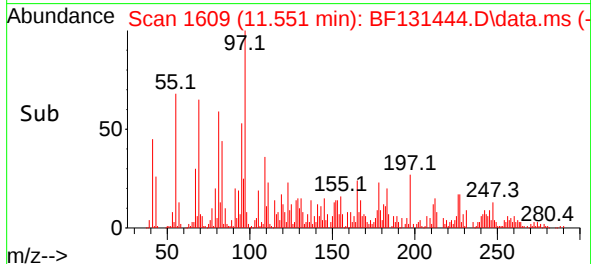
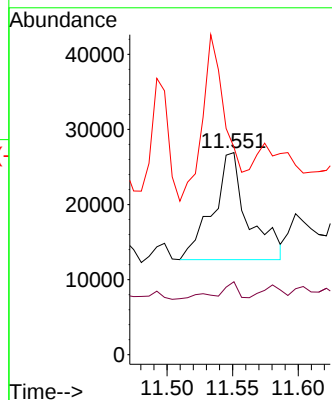
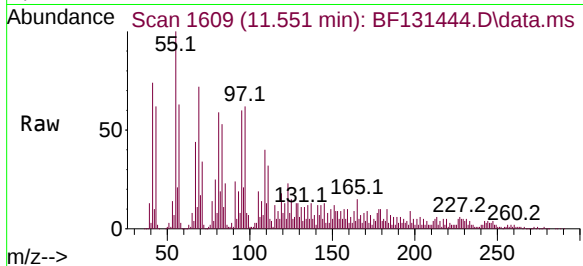




#71
Phenanthrene
Concen: 2.949 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

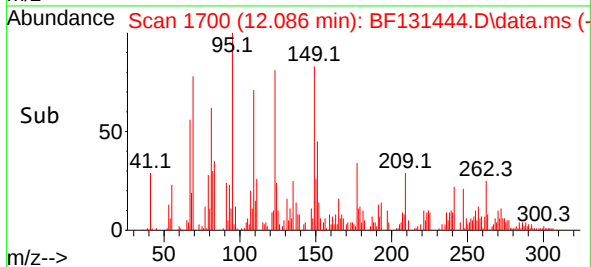
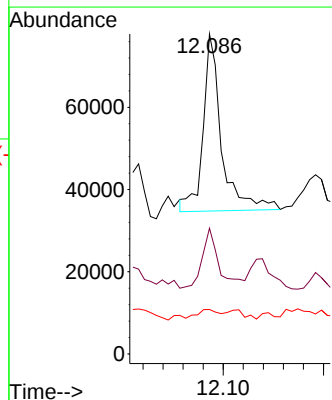
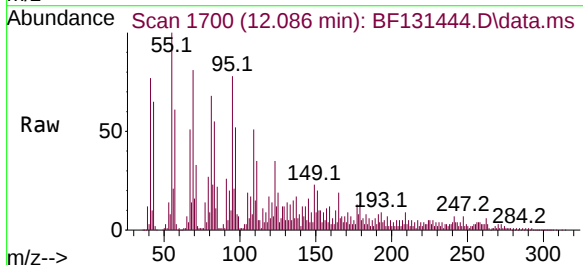
Instrument :
BNA_F
ClientSampleId :
B-16S

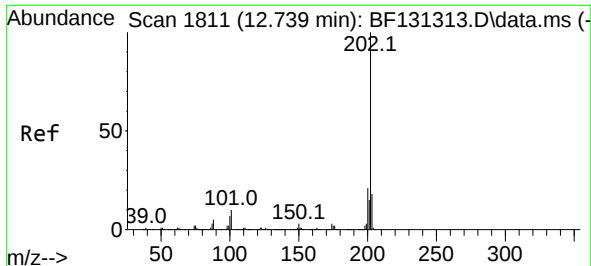
Tgt Ion:178 Resp: 26554
Ion Ratio Lower Upper
178 100
176 36.1 15.6 23.4#
179 102.6 12.4 18.6#



#74
Di-n-butylphthalate
Concen: 6.167 ng
RT: 12.086 min Scan# 1700
Delta R.T. 0.018 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

Tgt Ion:149 Resp: 54848
Ion Ratio Lower Upper
149 100
150 39.3 7.3 10.9#
104 13.9 4.7 7.1#

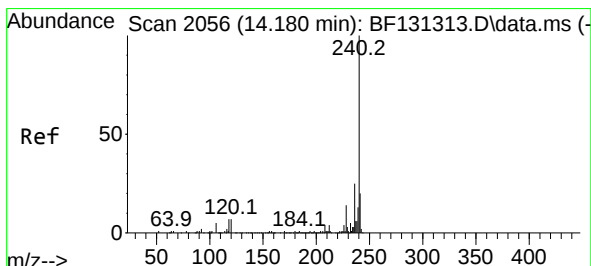
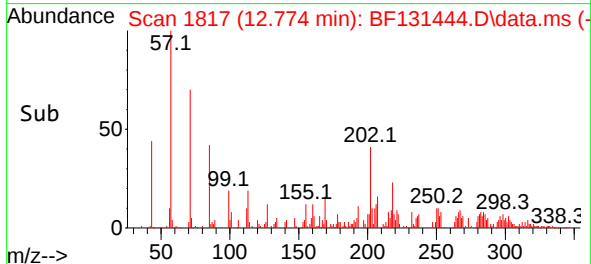
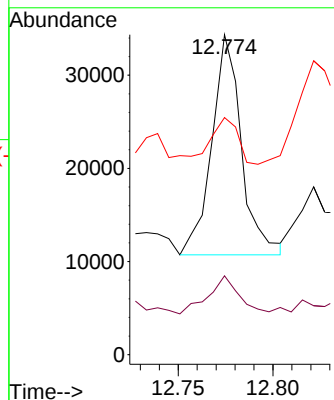
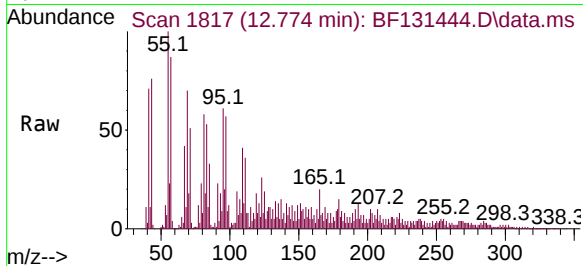




#75
Fluoranthene
Concen: 2.712 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.047 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

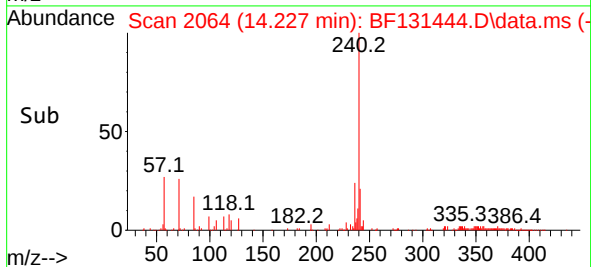
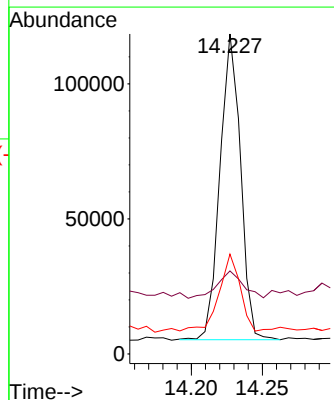
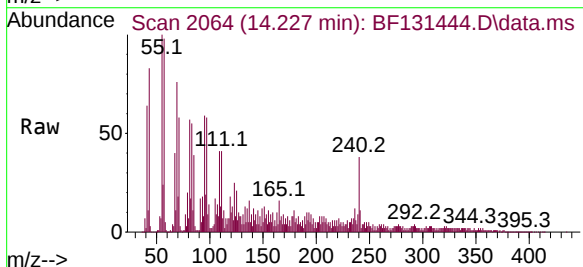
Instrument :
BNA_F
ClientSampleId :
B-16S

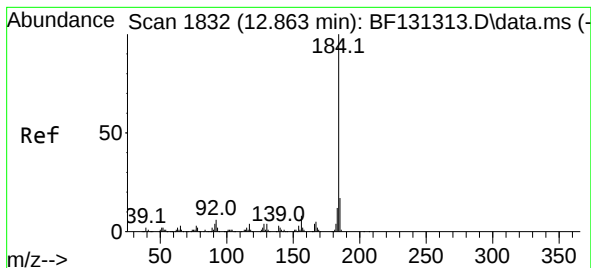
Tgt Ion:202 Resp: 25727
Ion Ratio Lower Upper
202 100
101 24.6 0.0 29.6
203 74.1 0.0 37.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.227 min Scan# 2064
Delta R.T. 0.059 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

Tgt Ion:240 Resp: 113973
Ion Ratio Lower Upper
240 100
120 25.9 5.8 8.8#
236 31.2 20.3 30.5#





#77

Benzidine

Concen: 2.963 ng

RT: 12.939 min Scan# 1845

Delta R.T. 0.088 min

Lab File: BF131444.D

Acq: 28 Nov 2022 23:09

Instrument :

BNA_F

ClientSampleId :

B-16S

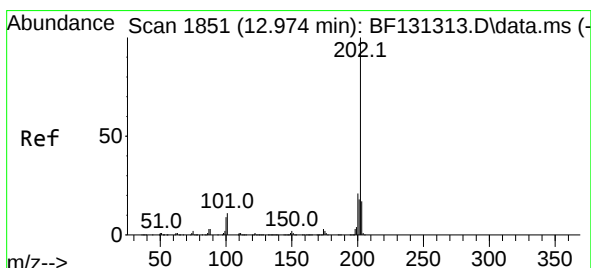
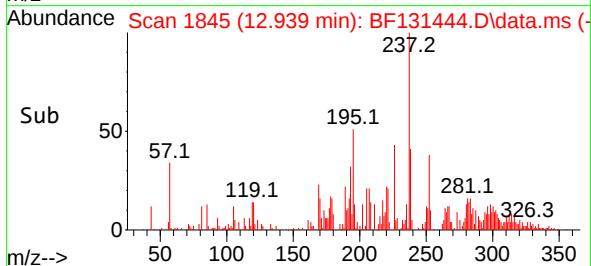
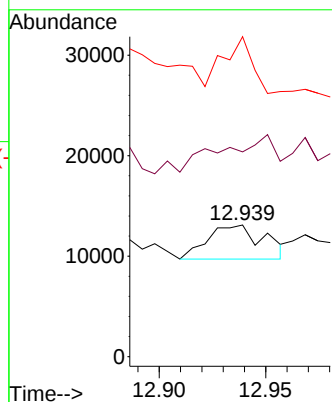
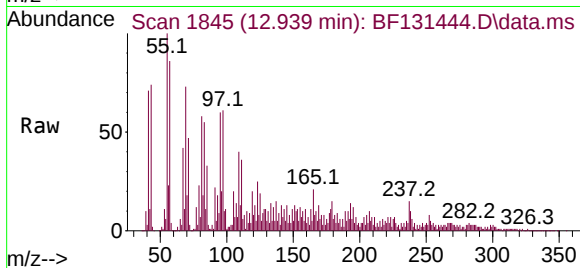
Tgt Ion:184 Resp: 6238

Ion Ratio Lower Upper

184 100

185 155.5 13.8 20.8#

183 243.0 9.6 14.4#



#78

Pyrene

Concen: 4.369 ng

RT: 13.010 min Scan# 1857

Delta R.T. 0.047 min

Lab File: BF131444.D

Acq: 28 Nov 2022 23:09

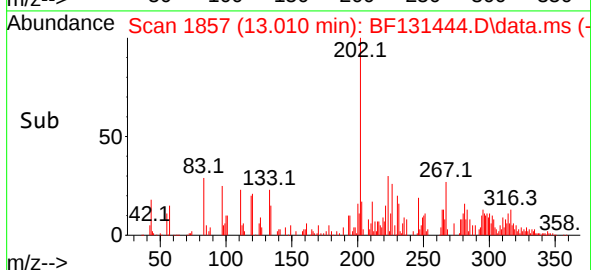
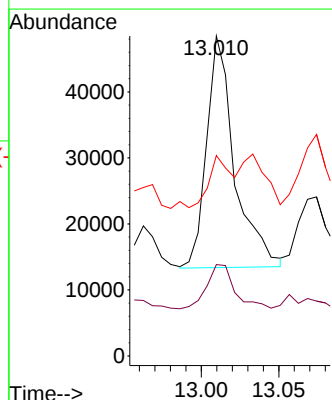
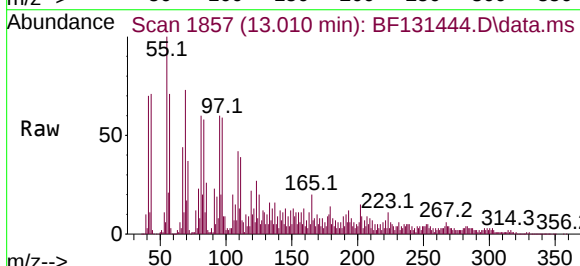
Tgt Ion:202 Resp: 43936

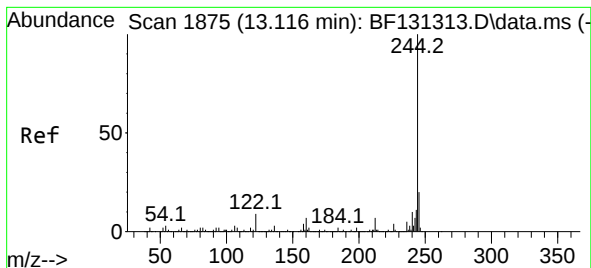
Ion Ratio Lower Upper

202 100

200 28.6 16.9 25.3#

203 62.6 13.9 20.9#





#79

Terphenyl-d14

Concen: 70.618 ng

RT: 13.151 min Scan# 1881

Delta R.T. 0.047 min

Lab File: BF131444.D

Acq: 28 Nov 2022 23:09

Instrument :

BNA_F

ClientSampleId :

B-16S

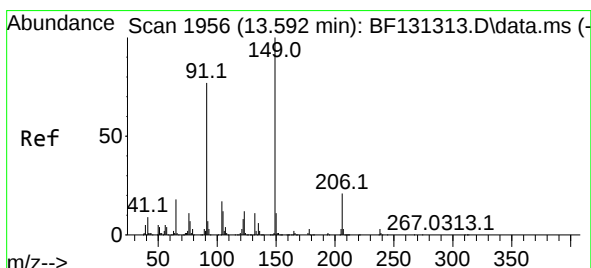
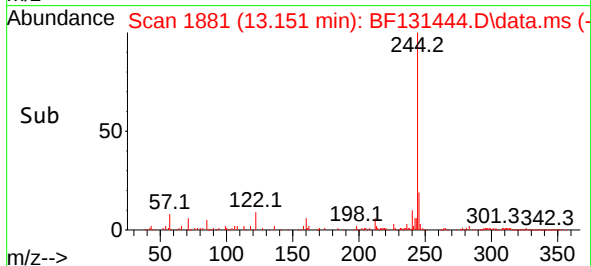
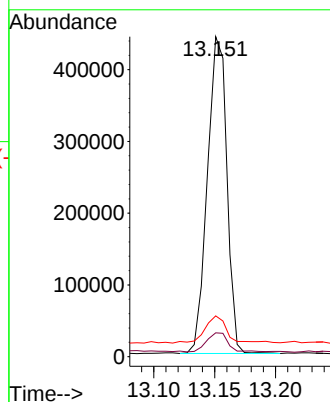
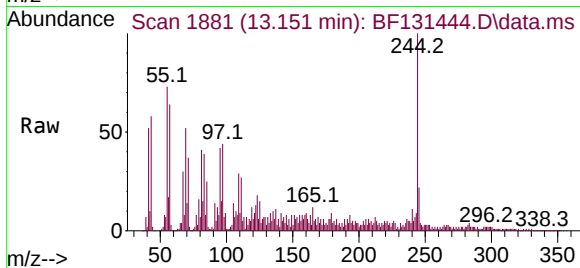
Tgt Ion:244 Resp: 492183

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

122 12.8 7.5 11.3#



#80

Butylbenzylphthalate

Concen: 5.354 ng

RT: 13.621 min Scan# 1961

Delta R.T. 0.041 min

Lab File: BF131444.D

Acq: 28 Nov 2022 23:09

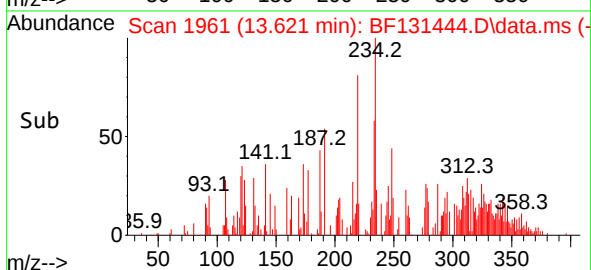
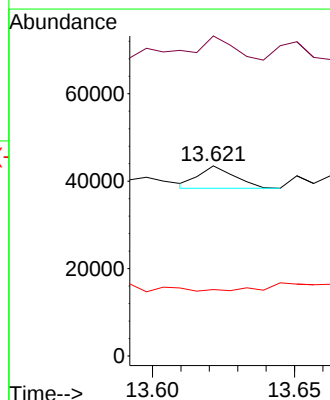
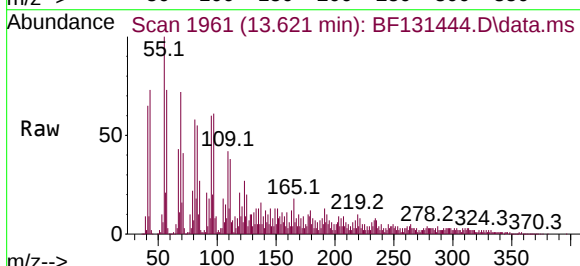
Tgt Ion:149 Resp: 4482

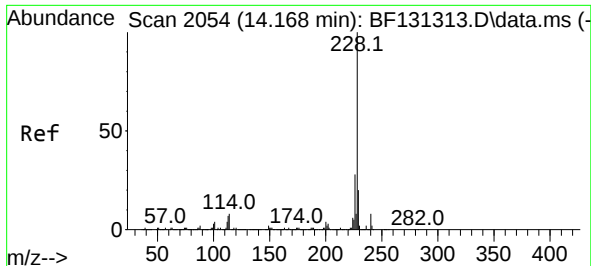
Ion Ratio Lower Upper

149 100

91 168.4 61.9 92.9#

206 35.0 16.5 24.7#

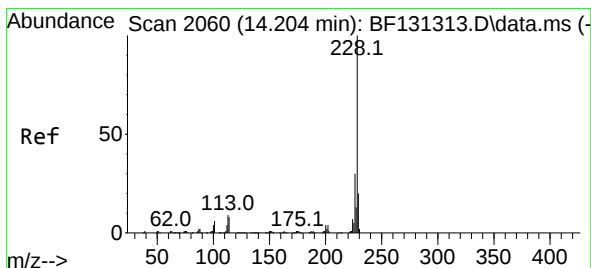
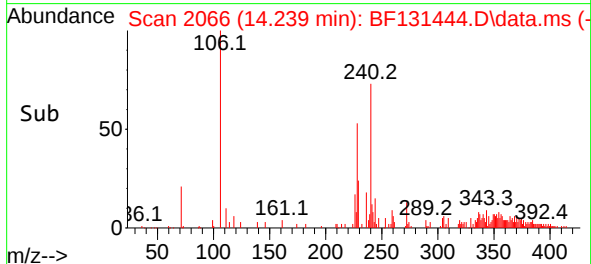
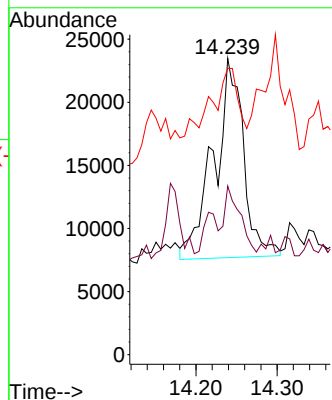
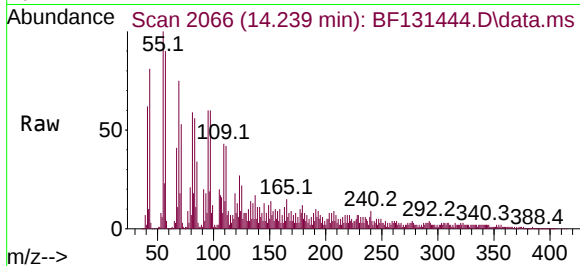




#81
Benzo(a)anthracene
Concen: 5.134 ng
RT: 14.239 min Scan# 2066
Delta R.T. 0.082 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

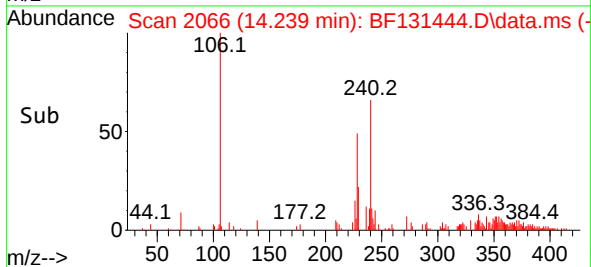
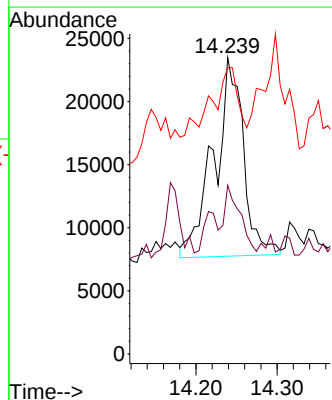
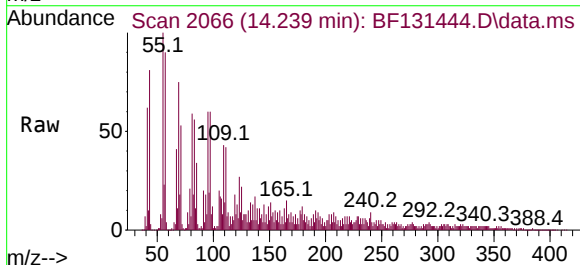
Instrument :
BNA_F
ClientSampleId :
B-16S

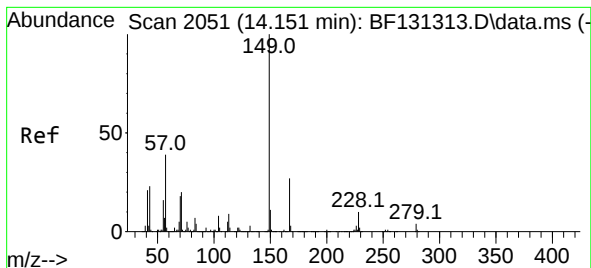
Tgt Ion:228 Resp: 40108
Ion Ratio Lower Upper
228 100
226 56.9 22.0 33.0#
229 96.6 15.7 23.5#



#83
Chrysene
Concen: 5.181 ng
RT: 14.239 min Scan# 2066
Delta R.T. 0.047 min
Lab File: BF131444.D
Acq: 28 Nov 2022 23:09

Tgt Ion:228 Resp: 39708
Ion Ratio Lower Upper
228 100
226 56.9 23.7 35.5#
229 96.6 16.2 24.4#





#84

Bis(2-ethylhexyl)phthalate

Concen: 37.853 ng

RT: 14.186 min Scan# 2051

Delta R.T. 0.047 min

Lab File: BF131444.D

Acq: 28 Nov 2022 23:09

Instrument :

BNA_F

ClientSampleId :

B-16S

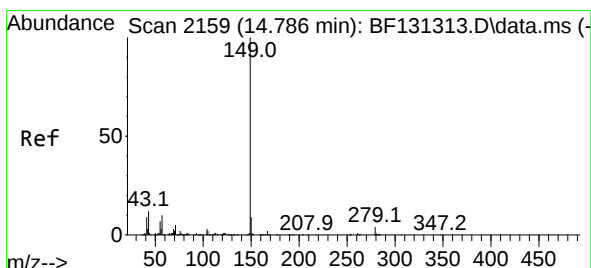
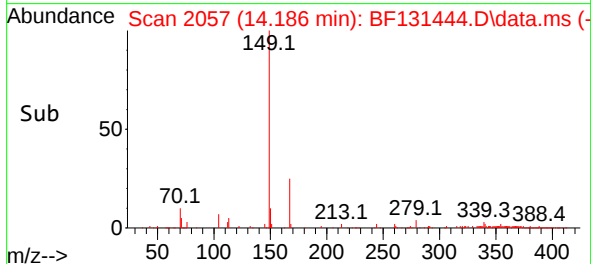
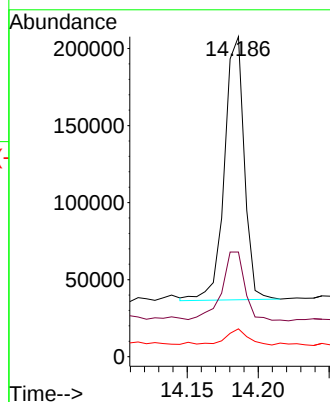
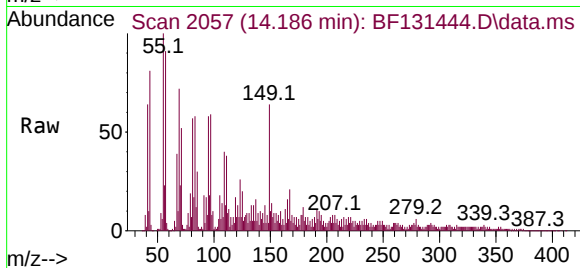
Tgt Ion:149 Resp: 166082

Ion Ratio Lower Upper

149 100

167 32.7 21.9 32.9

279 8.7 3.0 4.4#



#85

Di-n-octyl phthalate

Concen: 6.501 ng

RT: 14.810 min Scan# 2163

Delta R.T. 0.047 min

Lab File: BF131444.D

Acq: 28 Nov 2022 23:09

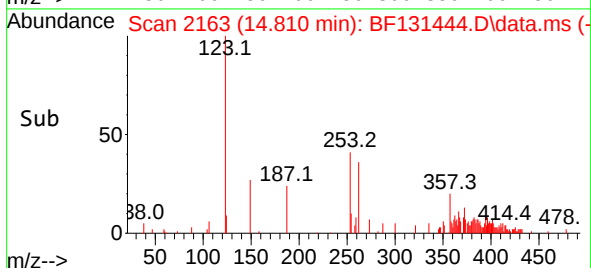
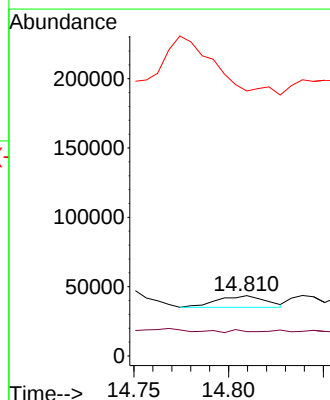
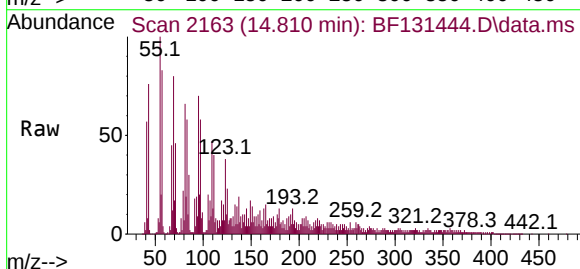
Tgt Ion:149 Resp: 14666

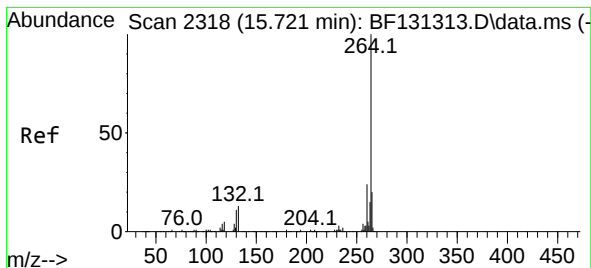
Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 10.7 16.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.774 min Scan# 21

Delta R.T. 0.076 min

Lab File: BF131444.D

Acq: 28 Nov 2022 23:09

Instrument :

BNA_F

ClientSampleId :

B-16S

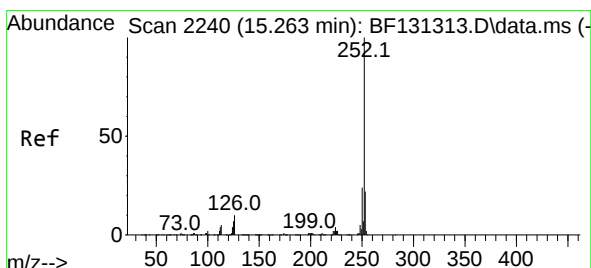
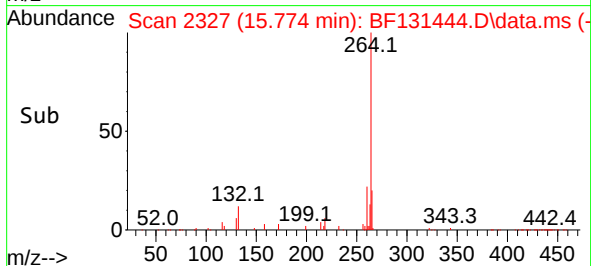
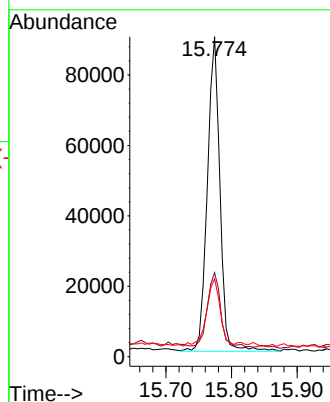
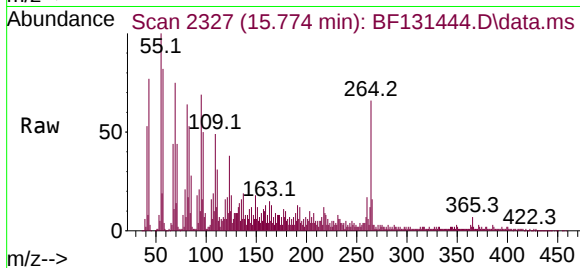
Tgt Ion:264 Resp: 119182

Ion Ratio Lower Upper

264 100

260 26.2 19.0 28.4

265 24.3 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 2.885 ng

RT: 15.310 min Scan# 2248

Delta R.T. 0.065 min

Lab File: BF131444.D

Acq: 28 Nov 2022 23:09

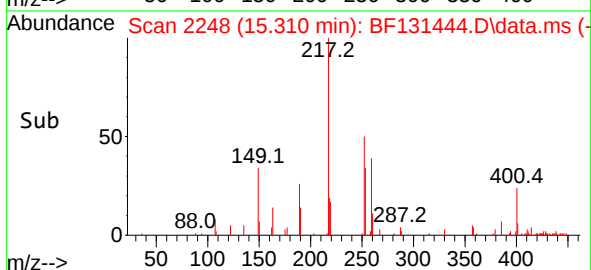
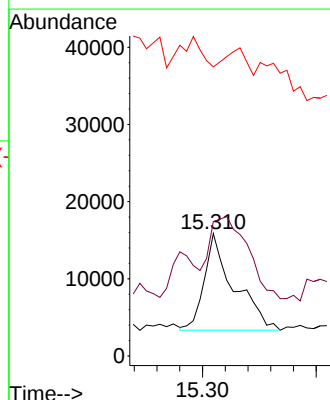
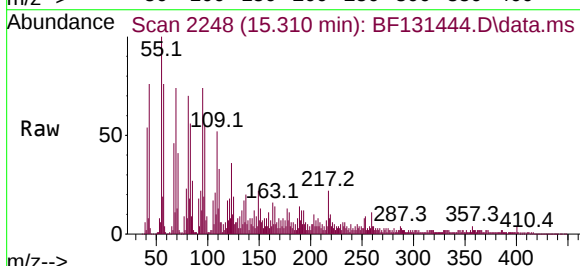
Tgt Ion:252 Resp: 22845

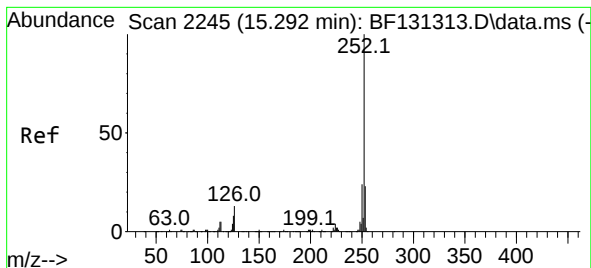
Ion Ratio Lower Upper

252 100

253 109.8 17.5 26.3#

125 236.1 5.8 8.6#





#89

Benzo(k)fluoranthene

Concen: 2.808 ng

RT: 15.310 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF131444.D

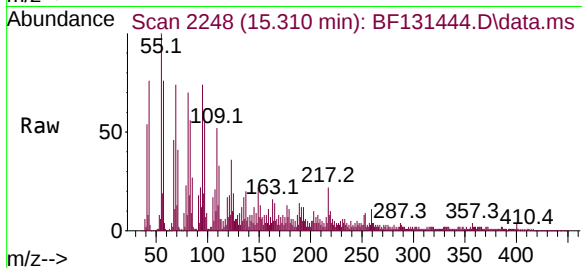
Acq: 28 Nov 2022 23:09

Instrument :

BNA_F

ClientSampleId :

B-16S



Tgt Ion:252 Resp: 22845

Ion Ratio Lower Upper

252 100

253 109.8 17.9 26.9#

125 236.1 6.6 10.0#

