

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110422\
 Data File : BF131013.D
 Acq On : 05 Nov 2022 03:22
 Operator : CG\JU
 Sample : N5395-13RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-13-103122RE

Quant Time: Nov 05 03:58:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

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

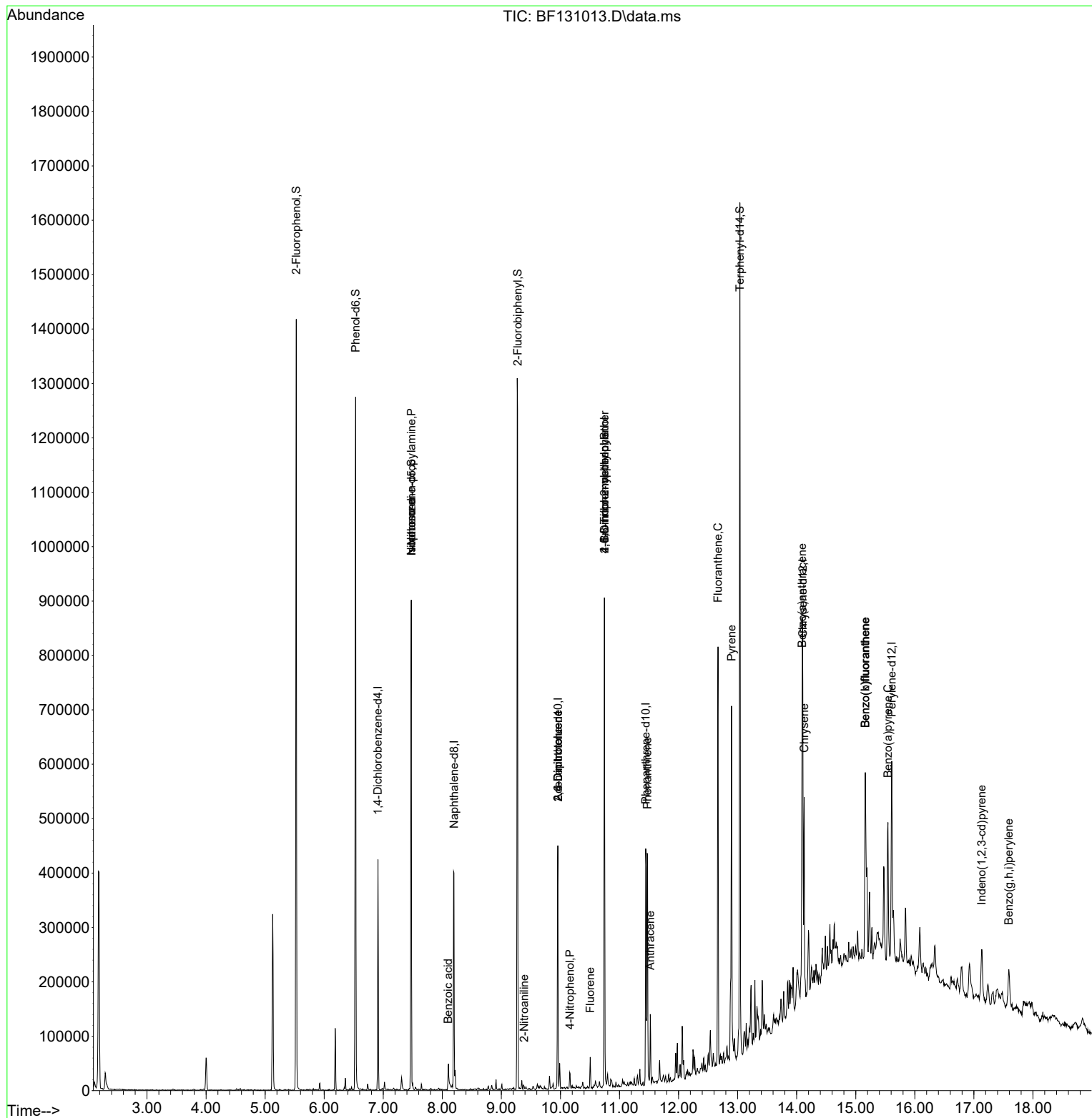
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	50994	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	172107	20.000	ng	# 0.00
39) Acenaphthene-d10	9.957	164	83497	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	158775	20.000	ng	-0.01
76) Chrysene-d12	14.104	240	174742	20.000	ng	0.00
86) Perylene-d12	15.610	264	165669	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	318481	108.272	ng	0.00
7) Phenol-d6	6.534	99	373275	97.653	ng	0.00
23) Nitrobenzene-d5	7.475	82	252757	88.555	ng	-0.01
42) 2,4,6-Tribromophenol	10.745	330	88053	125.275	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	398367	72.132	ng	0.00
79) Terphenyl-d14	13.039	244	480378	50.375	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	34294	13.186	ng	# 77
25) Isophorone	7.475	82	252754	42.943	ng	# 66
32) Benzoic acid	8.098	122	134	7.745	ng	# 1
48) 2-Nitroaniline	9.386	65	92	4.202	ng	# 12
51) 2,6-Dinitrotoluene	9.957	165	11425	12.659	ng	# 14
56) 4-Nitrophenol	10.163	139	3604	4.075	ng	# 1
57) 2,4-Dinitrotoluene	9.957	165	11425	11.403	ng	# 21
58) Fluorene	10.504	166	14014	2.634	ng	98
65) 4,6-Dinitro-2-methylph...	10.745	198	210	8.192	ng	# 1
67) 4-Bromophenyl-phenylether	10.745	248	5652	3.540	ng	# 1
71) Phenanthrene	11.475	178	155865	19.020	ng	99
72) Anthracene	11.522	178	42535	5.262	ng	98
75) Fluoranthene	12.669	202	296444	34.047	ng	97
78) Pyrene	12.898	202	248164	16.833	ng	99
81) Benzo(a)anthracene	14.092	228	148357	12.806	ng	98
83) Chrysene	14.127	228	143322	12.825	ng	97
87) Indeno(1,2,3-cd)pyrene	17.133	276	67191	6.107	ng	96
88) Benzo(b)fluoranthene	15.163	252	253840	23.703	ng	# 97
89) Benzo(k)fluoranthene	15.163	252	253840	24.325	ng	98
90) Benzo(a)pyrene	15.545	252	128538	14.931	ng	97
92) Benzo(g,h,i)perylene	17.592	276	59637	6.518	ng	97

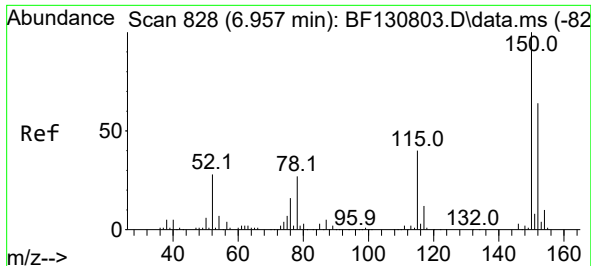
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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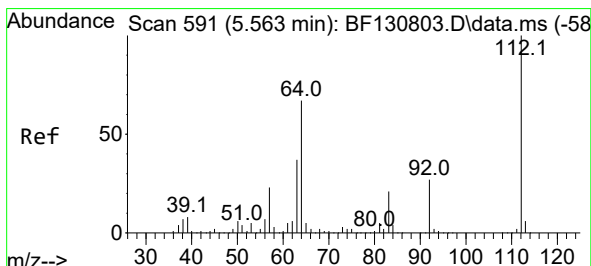
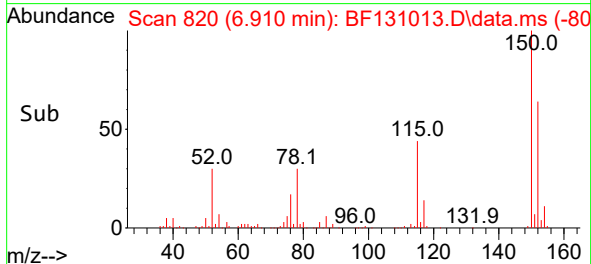
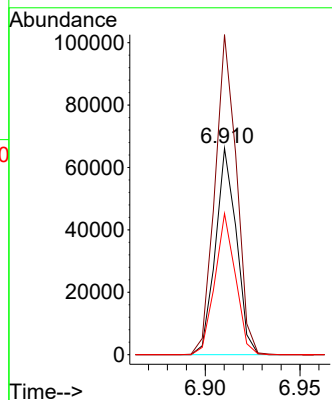
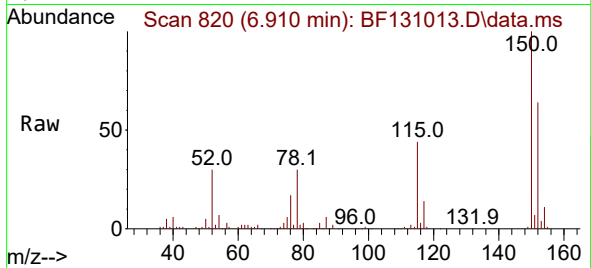




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

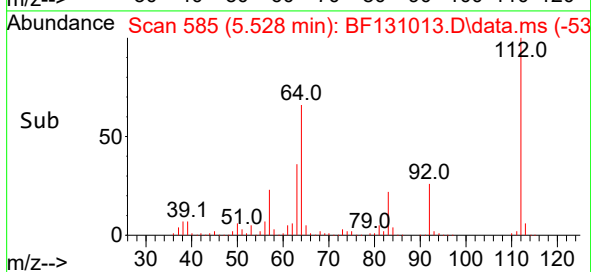
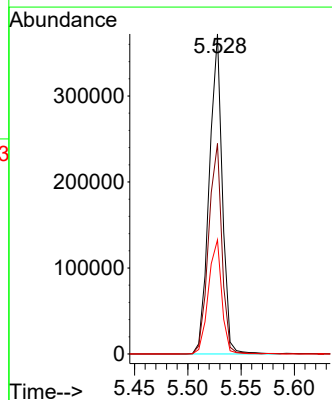
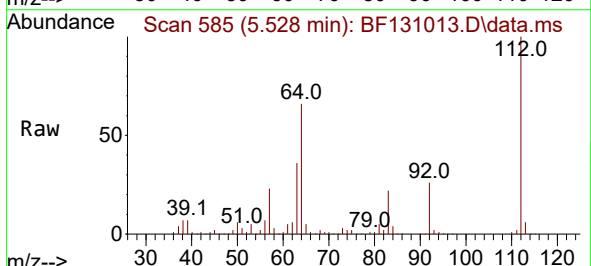
Instrument :
BNA_F
ClientSampleId :
S-13-103122RE

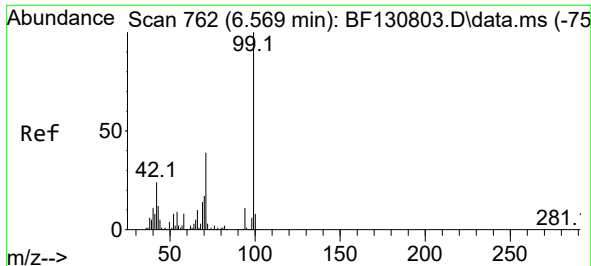
Tgt Ion:152 Resp: 50994
Ion Ratio Lower Upper
152 100
150 155.0 124.1 186.1
115 68.4 50.1 75.1



#5
2-Fluorophenol
Concen: 108.272 ng
RT: 5.528 min Scan# 585
Delta R.T. -0.000 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

Tgt Ion:112 Resp: 318481
Ion Ratio Lower Upper
112 100
64 65.8 53.9 80.9
63 35.7 29.4 44.2

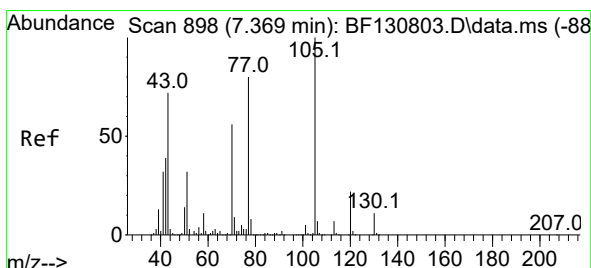
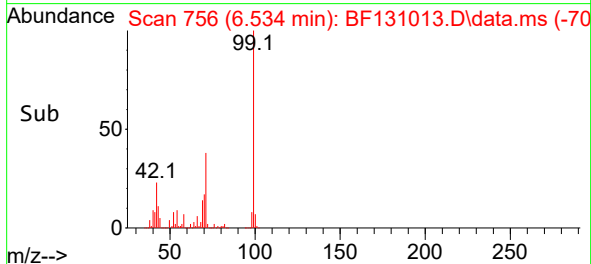
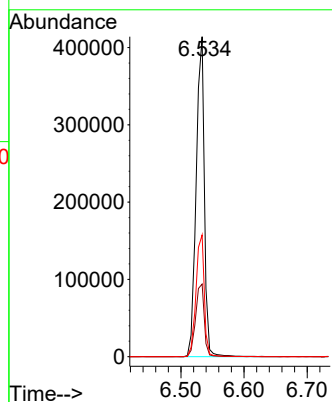
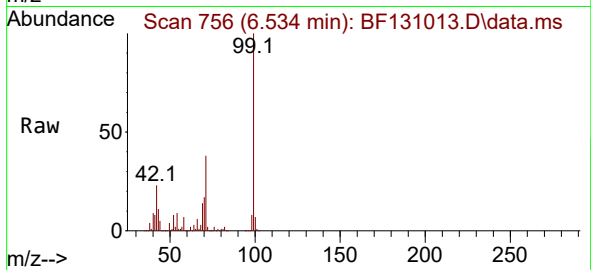




#7
Phenol-d6
Concen: 97.653 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

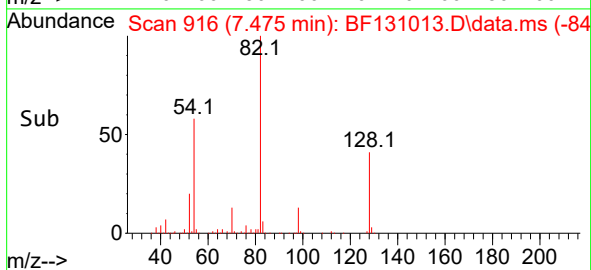
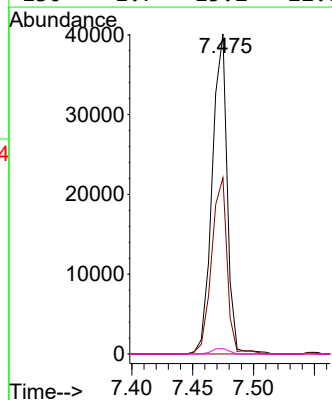
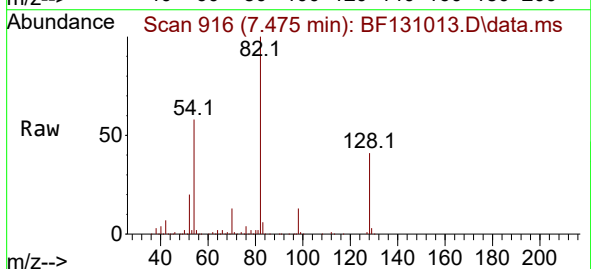
Instrument :
BNA_F
ClientSampleId :
S-13-103122RE

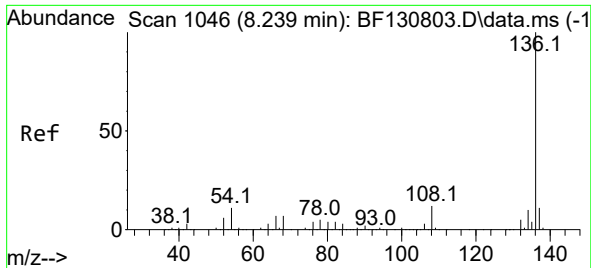
Tgt Ion: 99 Resp: 373275
Ion Ratio Lower Upper
99 100
42 22.7 18.8 28.2
71 38.1 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.186 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

Tgt Ion: 70 Resp: 34294
Ion Ratio Lower Upper
70 100
42 55.0 56.1 84.1#
101 0.0 7.3 10.9#
130 1.7 15.2 22.8#

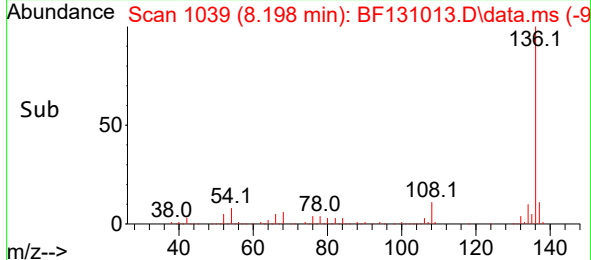
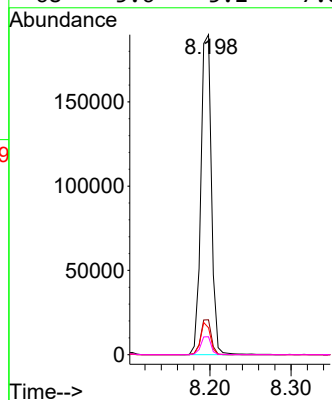
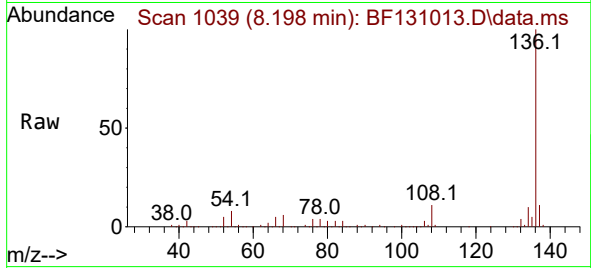




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

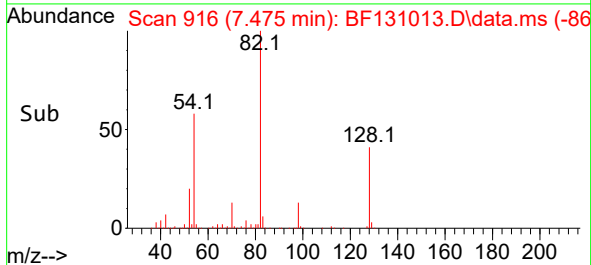
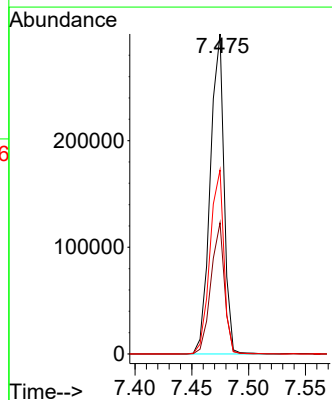
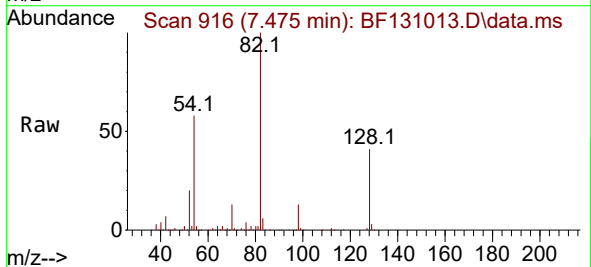
Instrument :
BNA_F
ClientSampleId :
S-13-103122RE

Tgt Ion:136 Resp: 172107
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 8.4 8.8 13.2#
68 5.6 5.2 7.8



#23
Nitrobenzene-d5
Concen: 88.555 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.012 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

Tgt Ion: 82 Resp: 252757
Ion Ratio Lower Upper
82 100
128 41.0 31.2 46.8
54 57.5 48.0 72.0

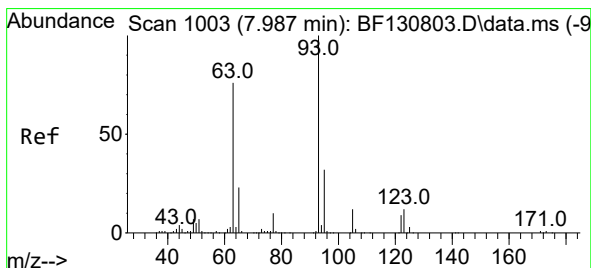
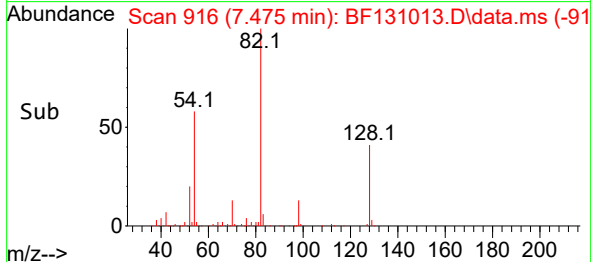
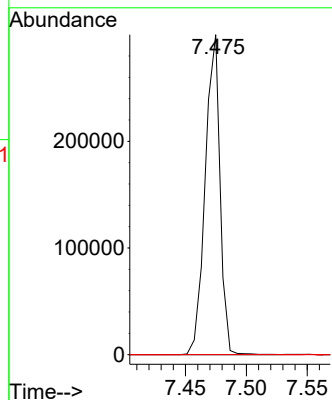
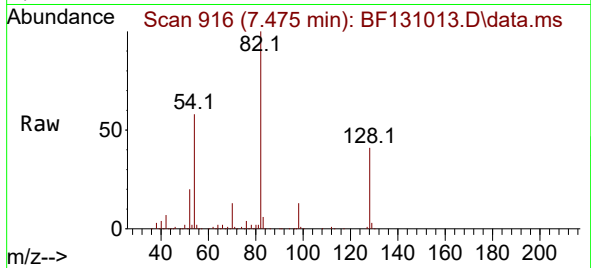




#25
Isophorone
Concen: 42.943 ng
RT: 7.475 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

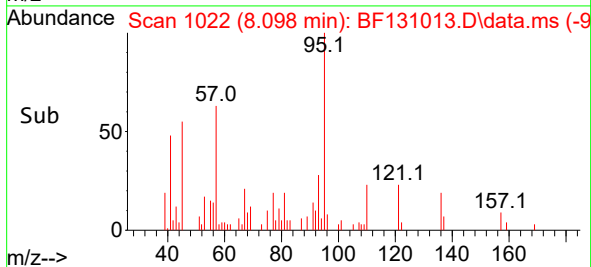
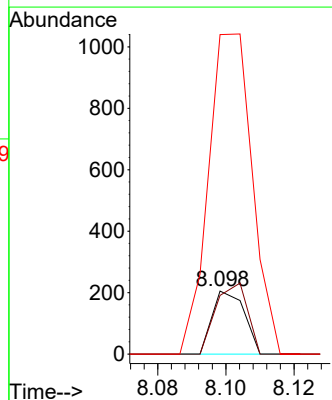
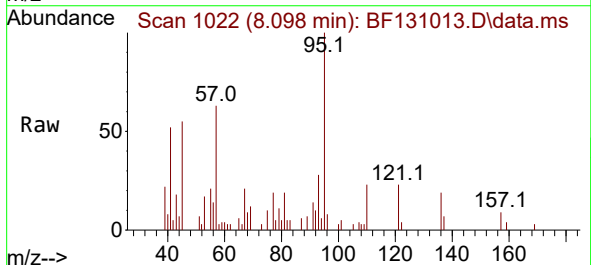
Instrument :
BNA_F
ClientSampleId :
S-13-103122RE

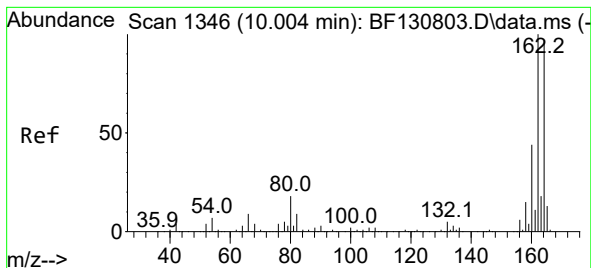
Tgt Ion: 82 Resp: 252754
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.745 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.135 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

Tgt Ion: 122 Resp: 134
Ion Ratio Lower Upper
122 100
105 93.2 114.5 154.5#
77 507.3 89.8 129.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131013.D

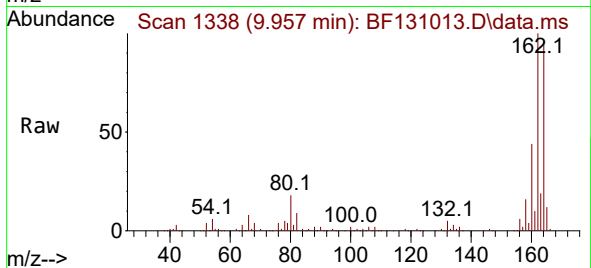
Acq: 05 Nov 2022 03:22

Instrument :

BNA_F

ClientSampleId :

S-13-103122RE



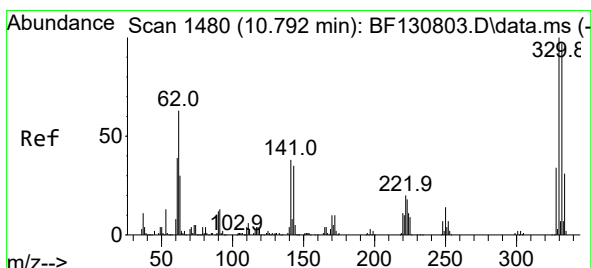
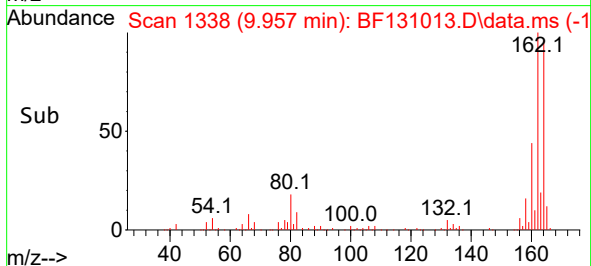
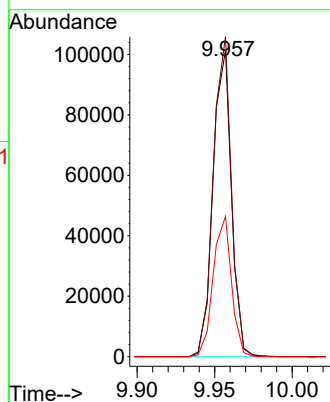
Tgt Ion:164 Resp: 83497

Ion Ratio Lower Upper

164 100

162 104.4 82.2 123.2

160 45.8 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 125.275 ng

RT: 10.745 min Scan# 1472

Delta R.T. -0.012 min

Lab File: BF131013.D

Acq: 05 Nov 2022 03:22

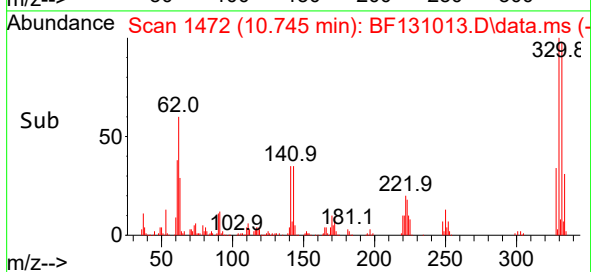
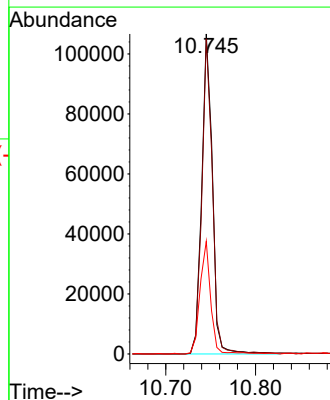
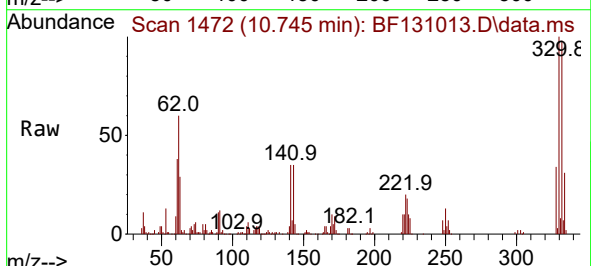
Tgt Ion:330 Resp: 88053

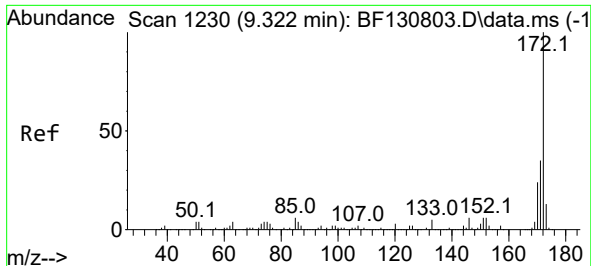
Ion Ratio Lower Upper

330 100

332 97.5 76.2 114.4

141 35.5 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 72.132 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF131013.D

Acq: 05 Nov 2022 03:22

Instrument :

BNA_F

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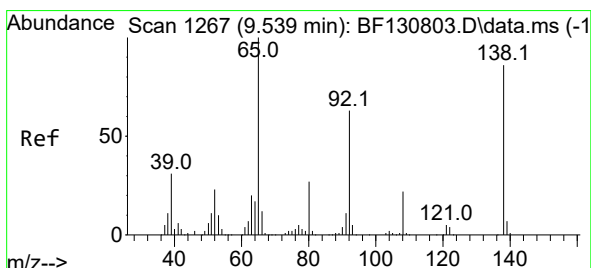
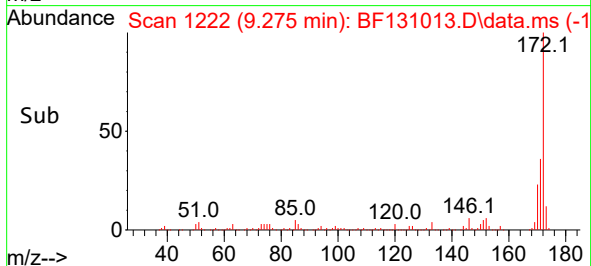
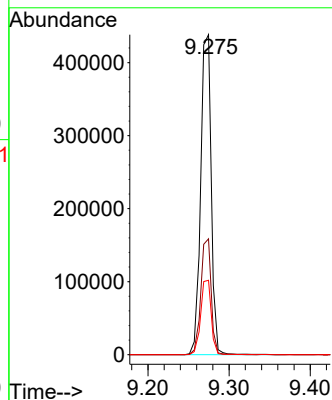
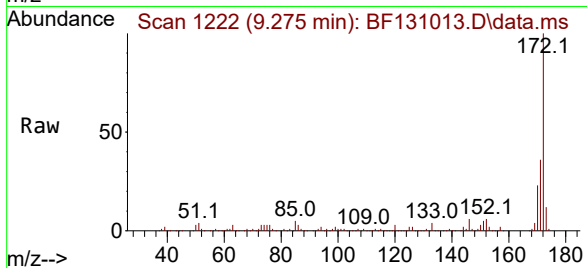
Tgt Ion:172 Resp: 398367

Ion Ratio Lower Upper

172 100

171 36.2 28.1 42.1

170 23.2 19.0 28.4



#48

2-Nitroaniline

Concen: 4.202 ng

RT: 9.386 min Scan# 1241

Delta R.T. -0.118 min

Lab File: BF131013.D

Acq: 05 Nov 2022 03:22

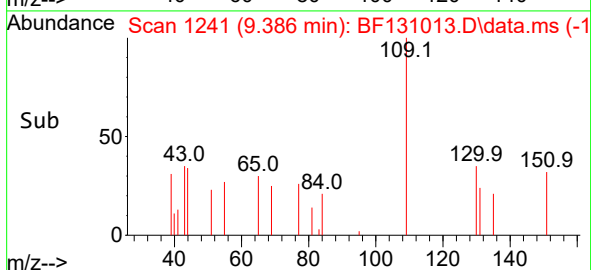
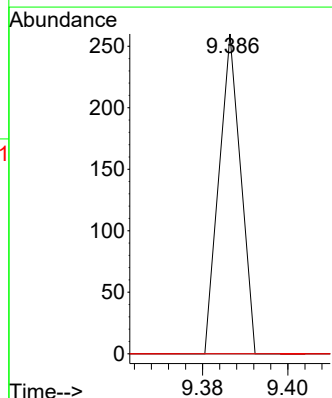
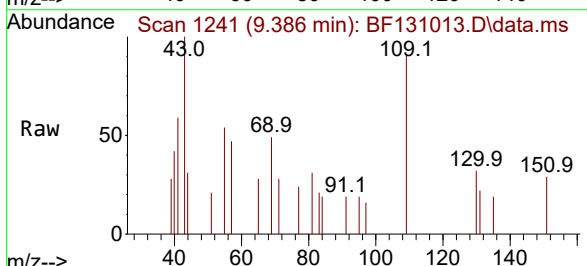
Tgt Ion: 65 Resp: 92

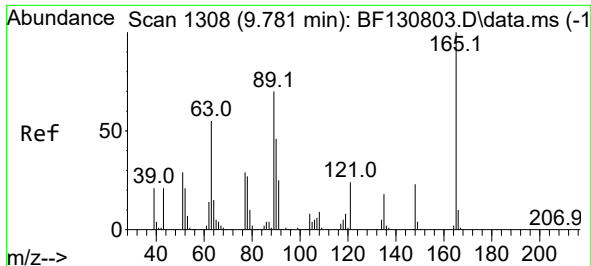
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#

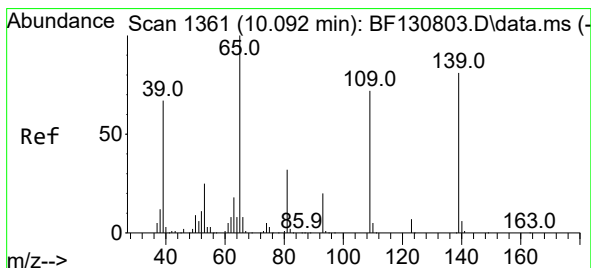
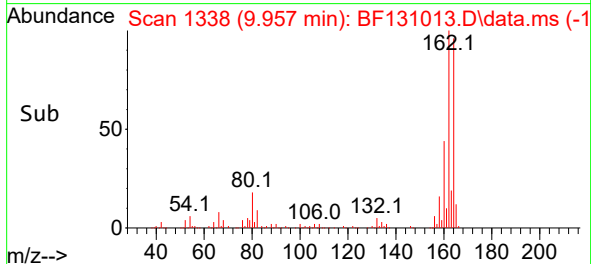
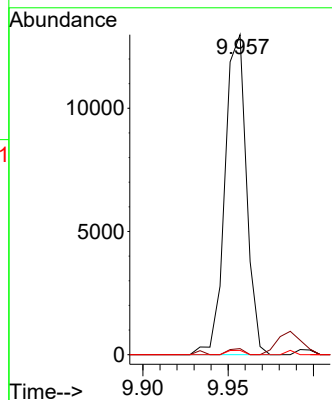
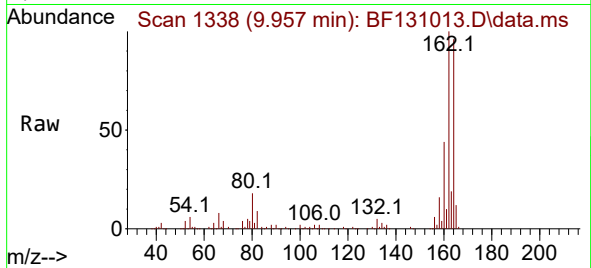




#51
2,6-Dinitrotoluene
Concen: 12.659 ng
RT: 9.957 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

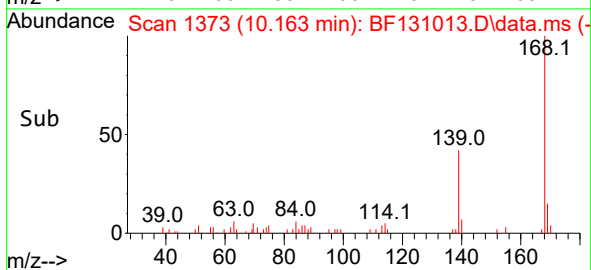
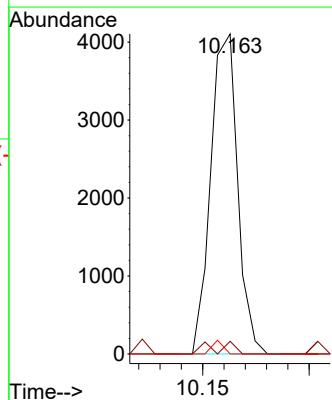
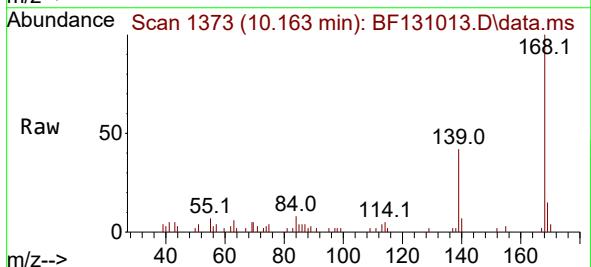
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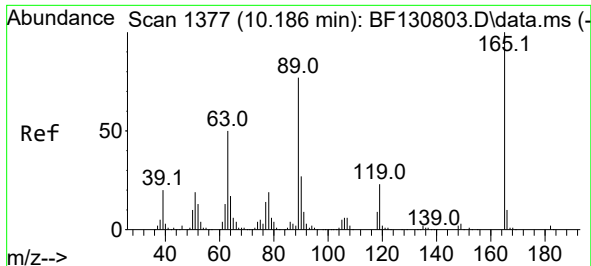
Tgt Ion:165 Resp: 11425
Ion Ratio Lower Upper
165 100
63 1.9 61.8 92.8#
89 1.3 56.2 84.4#



#56
4-Nitrophenol
Concen: 4.075 ng
RT: 10.163 min Scan# 1373
Delta R.T. 0.094 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

Tgt Ion:139 Resp: 3604
Ion Ratio Lower Upper
139 100
109 4.0 69.3 109.3#
65 0.0 105.3 145.3#

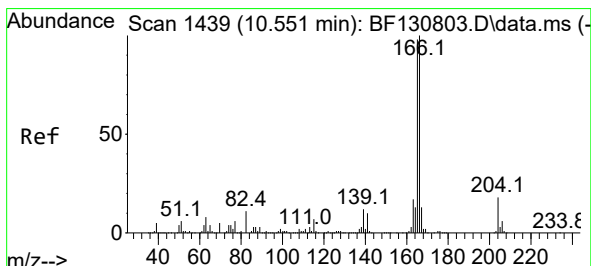
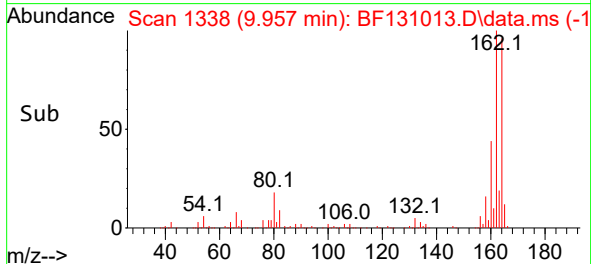
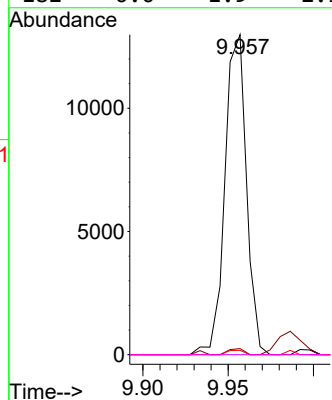
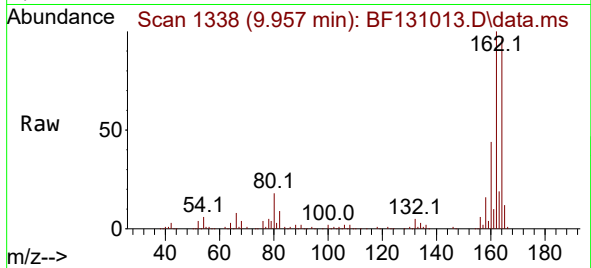




#57
2,4-Dinitrotoluene
Concen: 11.403 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

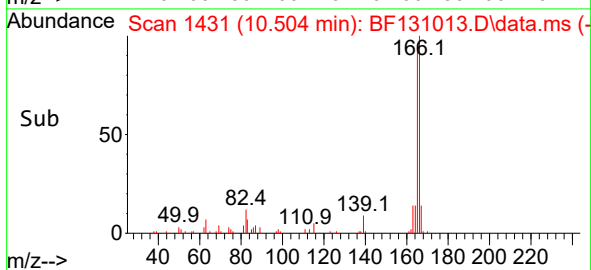
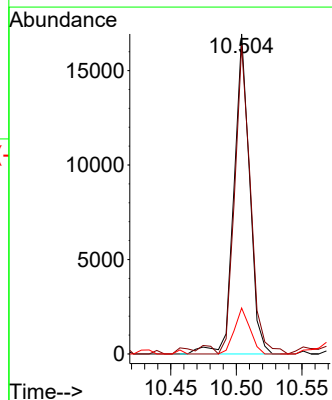
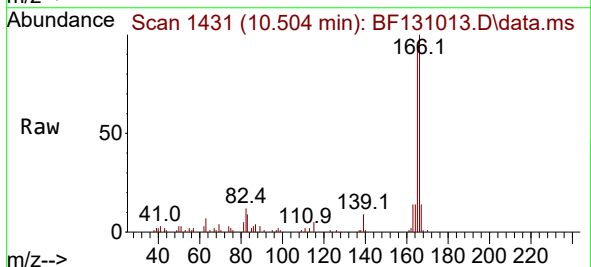
Instrument :
BNA_F
ClientSampleId :
S-13-103122RE

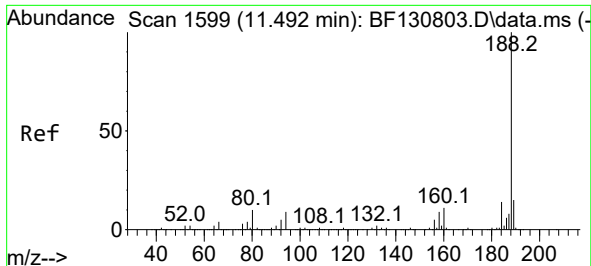
Tgt Ion:165 Resp: 11425
Ion Ratio Lower Upper
165 100
63 1.9 39.8 59.6#
89 1.3 61.9 92.9#
182 0.0 1.9 2.9#



#58
Fluorene
Concen: 2.634 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

Tgt Ion:166 Resp: 14014
Ion Ratio Lower Upper
166 100
165 96.3 78.1 117.1
167 14.4 10.4 15.6

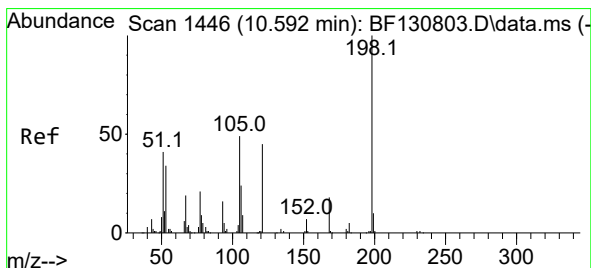
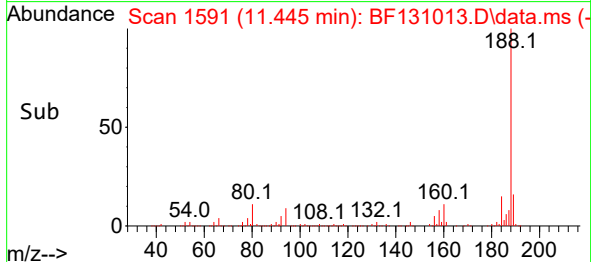
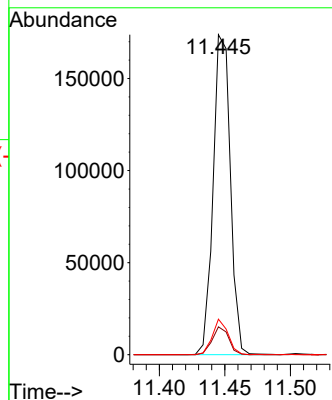
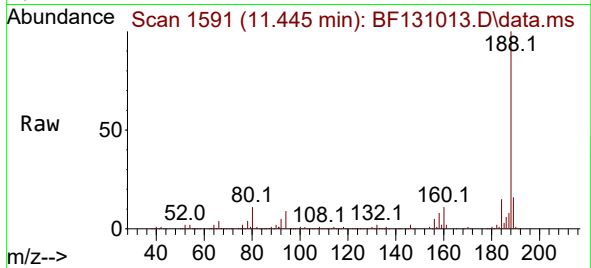




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

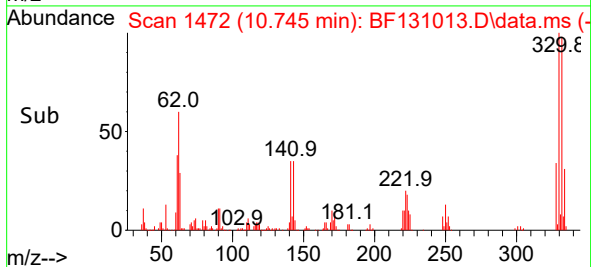
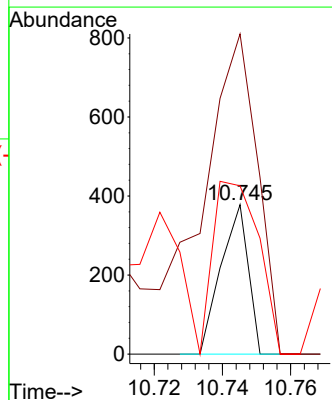
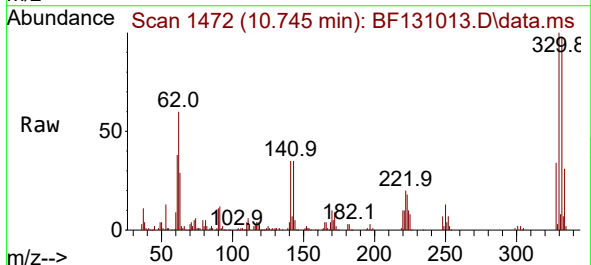
Instrument :
BNA_F
ClientSampleId :
S-13-103122RE

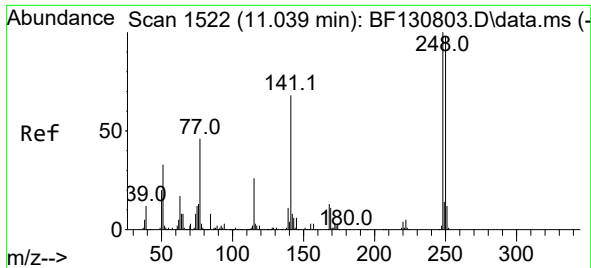
Tgt Ion:188 Resp: 158775
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.2
80 11.1 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.192 ng
RT: 10.745 min Scan# 1472
Delta R.T. 0.182 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

Tgt Ion:198 Resp: 210
Ion Ratio Lower Upper
198 100
51 214.3 39.0 79.0#
105 112.7 30.6 70.6#

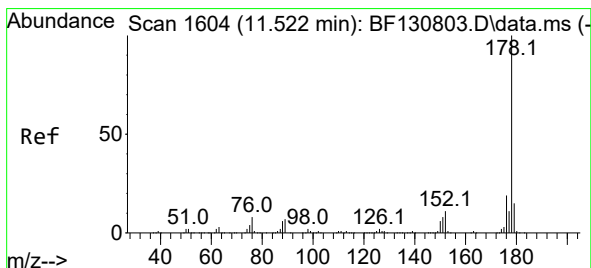
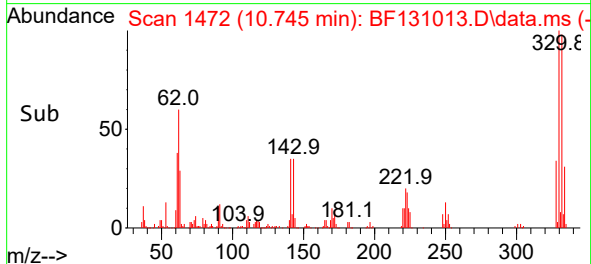
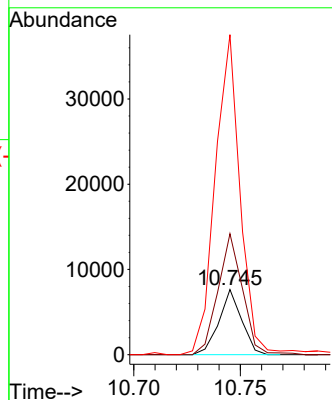
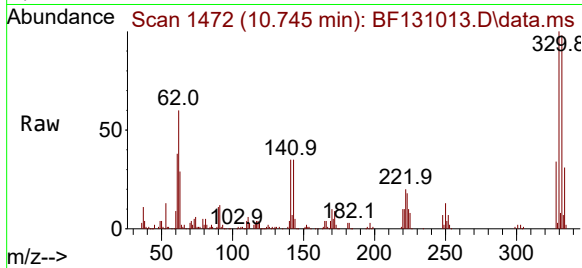




#67
4-Bromophenyl-phenylether
Concen: 3.540 ng
RT: 10.745 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

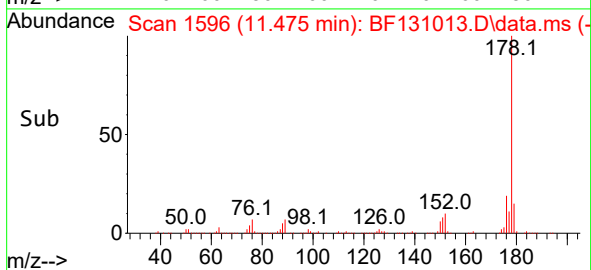
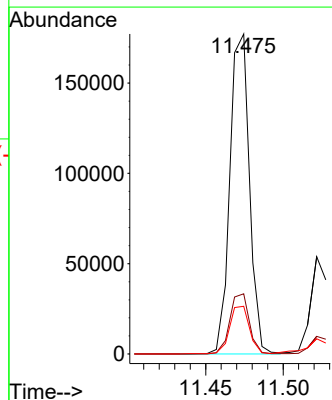
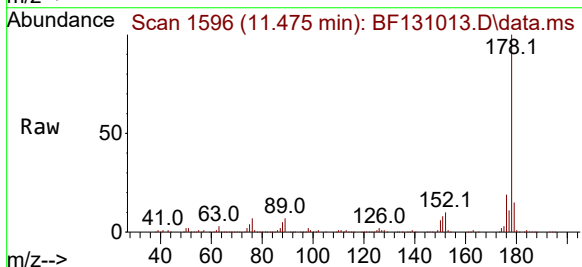
Instrument :
BNA_F
ClientSampleId :
S-13-103122RE

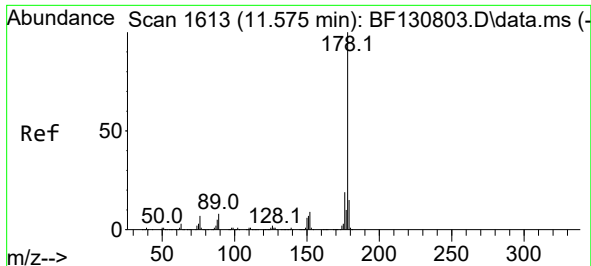
Tgt Ion:248 Resp: 5652
Ion Ratio Lower Upper
248 100
250 185.8 78.6 117.8#
141 491.7 54.2 81.4#



#71
Phenanthrene
Concen: 19.020 ng
RT: 11.475 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

Tgt Ion:178 Resp: 155865
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 14.9 12.2 18.2

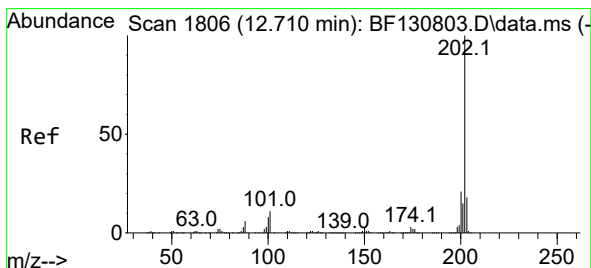
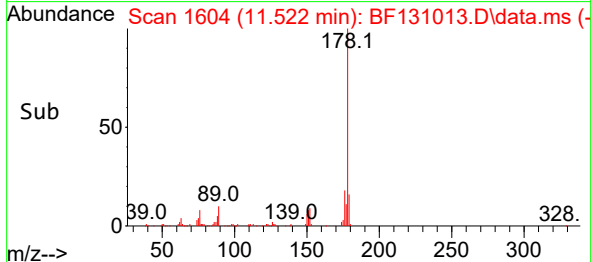
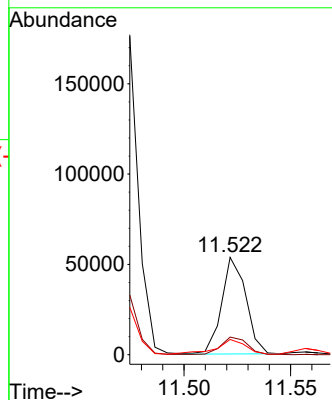
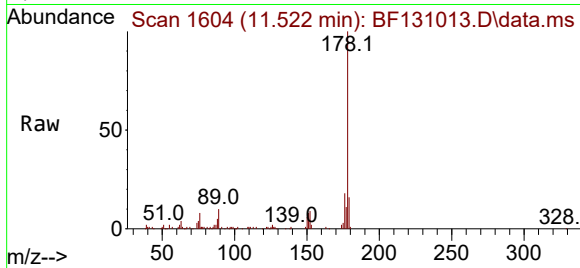




#72
 Anthracene
 Concen: 5.262 ng
 RT: 11.522 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF131013.D
 Acq: 05 Nov 2022 03:22

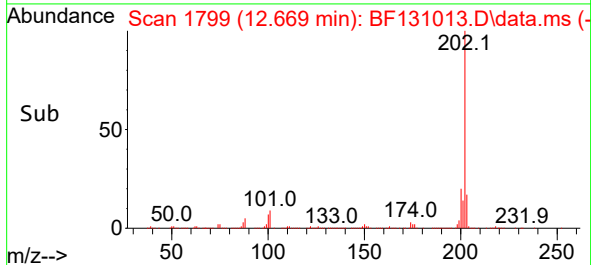
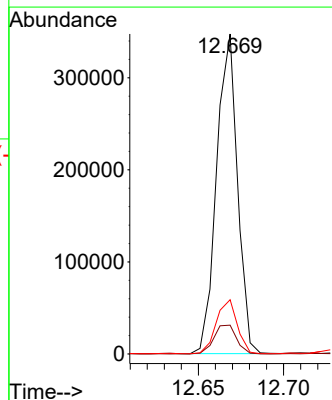
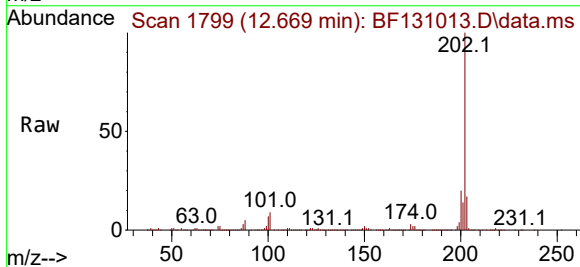
Instrument :
 BNA_F
 ClientSampleId :
 S-13-103122RE

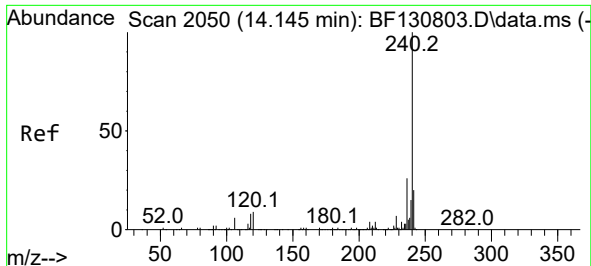
Tgt Ion:178 Resp: 42535
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.0
 179 15.7 12.2 18.4



#75
 Fluoranthene
 Concen: 34.047 ng
 RT: 12.669 min Scan# 1799
 Delta R.T. -0.006 min
 Lab File: BF131013.D
 Acq: 05 Nov 2022 03:22

Tgt Ion:202 Resp: 296444
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 30.9
 203 16.9 0.0 37.7

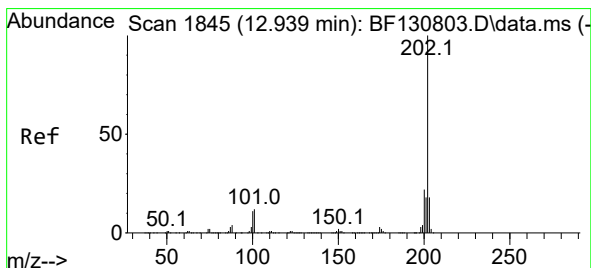
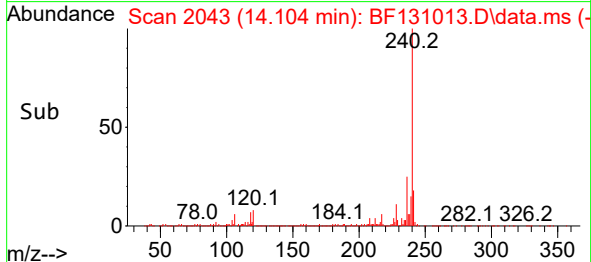
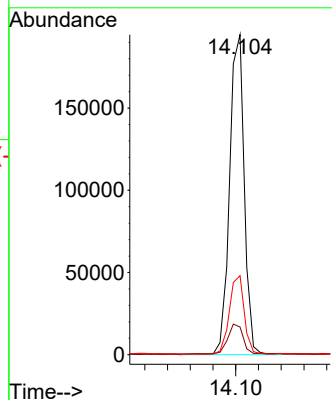
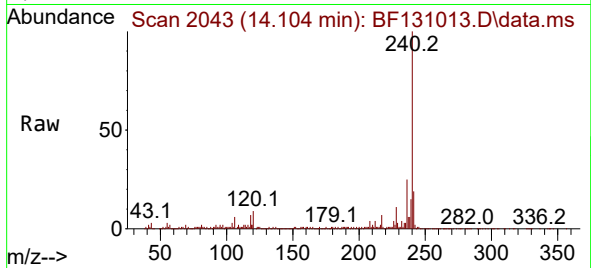




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

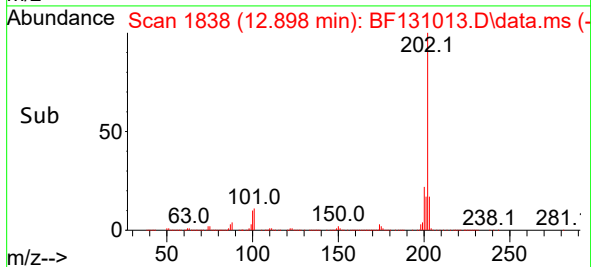
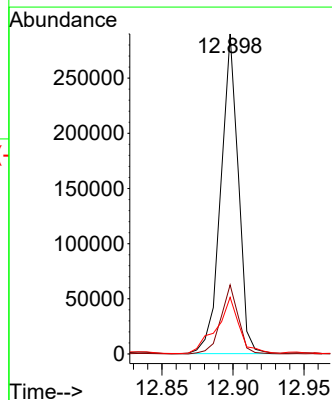
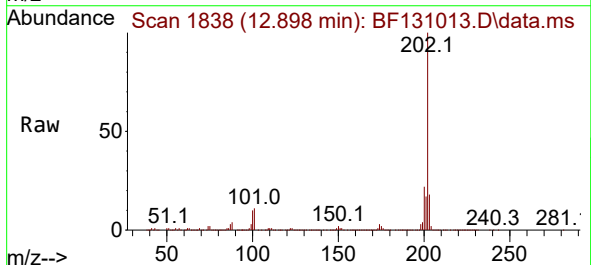
Instrument :
BNA_F
ClientSampleId :
S-13-103122RE

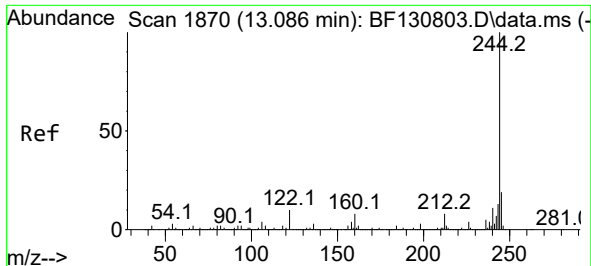
Tgt Ion:240 Resp: 174742
Ion Ratio Lower Upper
240 100
120 8.6 7.0 10.4
236 24.7 20.5 30.7



#78
Pyrene
Concen: 16.833 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

Tgt Ion:202 Resp: 248164
Ion Ratio Lower Upper
202 100
200 21.6 17.2 25.8
203 17.7 14.5 21.7

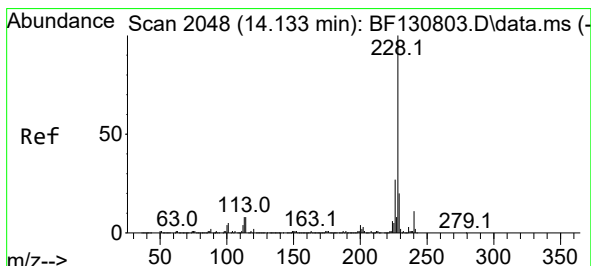
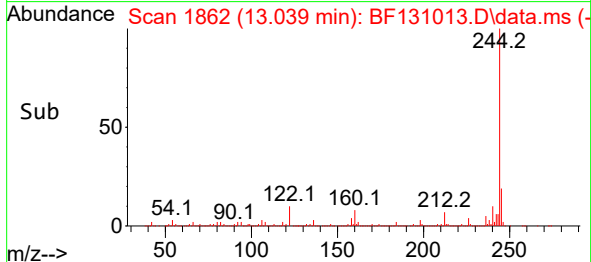
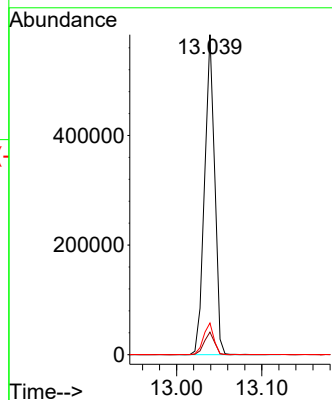
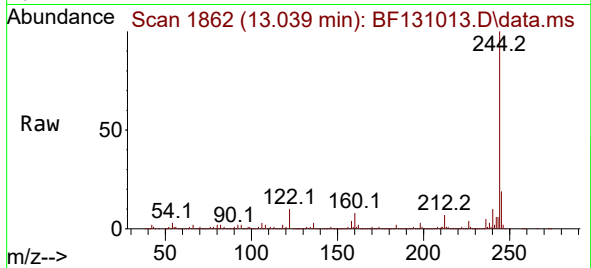




#79
 Terphenyl-d14
 Concen: 50.375 ng
 RT: 13.039 min Scan# 1862
 Delta R.T. -0.006 min
 Lab File: BF131013.D
 Acq: 05 Nov 2022 03:22

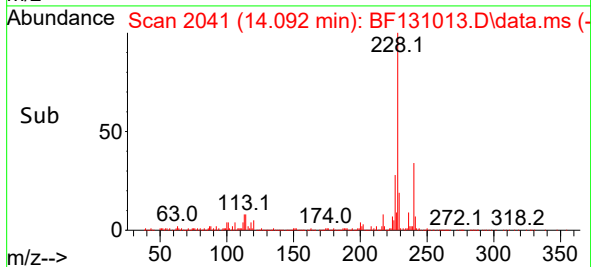
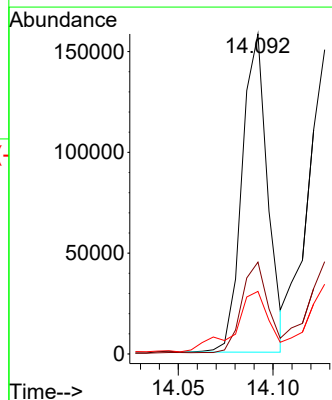
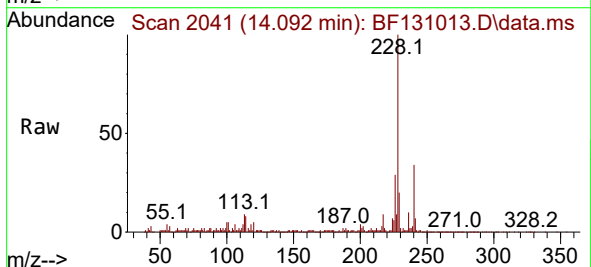
Instrument :
 BNA_F
 ClientSampleId :
 S-13-103122RE

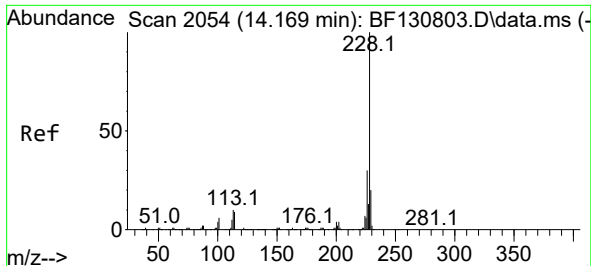
Tgt Ion:244 Resp: 480378
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.2
 122 9.9 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 12.806 ng
 RT: 14.092 min Scan# 2041
 Delta R.T. -0.006 min
 Lab File: BF131013.D
 Acq: 05 Nov 2022 03:22

Tgt Ion:228 Resp: 148357
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.4 32.2
 229 19.6 15.8 23.6

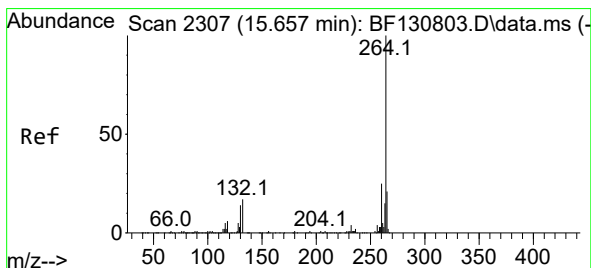
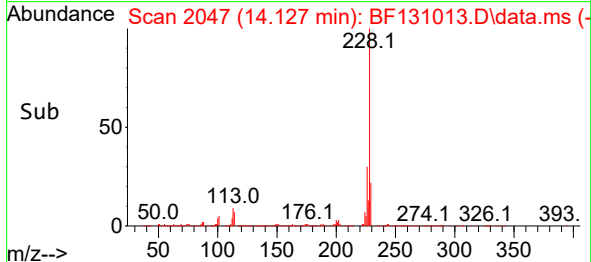
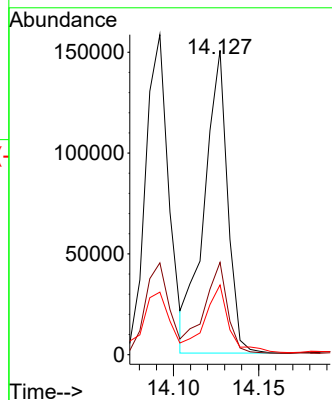
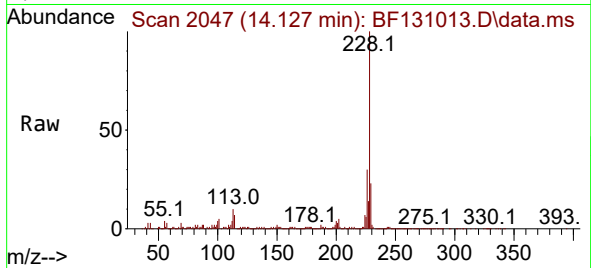




#83
Chrysene
Concen: 12.825 ng
RT: 14.127 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

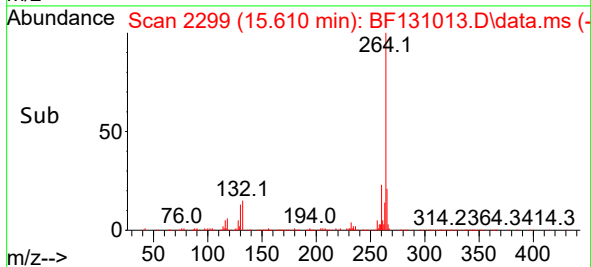
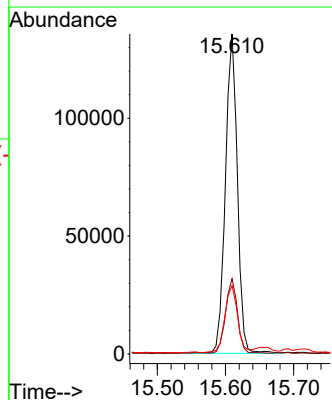
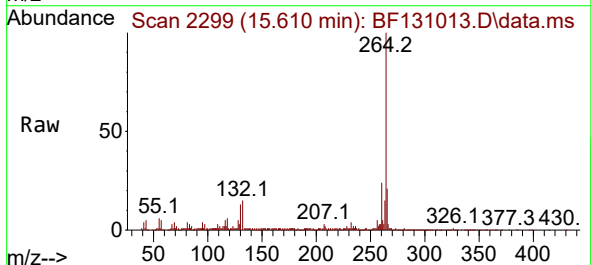
Instrument :
BNA_F
ClientSampleId :
S-13-103122RE

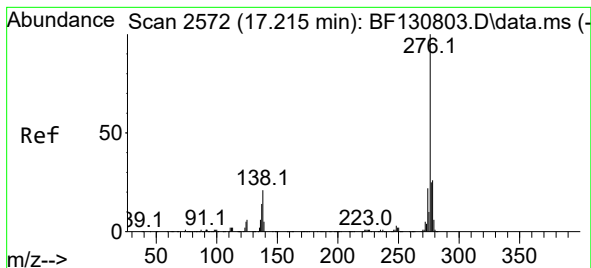
Tgt Ion:228 Resp: 143322
Ion Ratio Lower Upper
228 100
226 30.3 23.9 35.9
229 22.9 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.610 min Scan# 2299
Delta R.T. -0.000 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

Tgt Ion:264 Resp: 165669
Ion Ratio Lower Upper
264 100
260 23.5 19.9 29.9
265 21.4 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.107 ng

RT: 17.133 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF131013.D

Acq: 05 Nov 2022 03:22

Instrument :

BNA_F

ClientSampleId :

S-13-103122RE

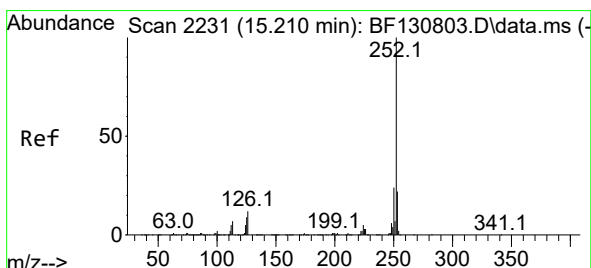
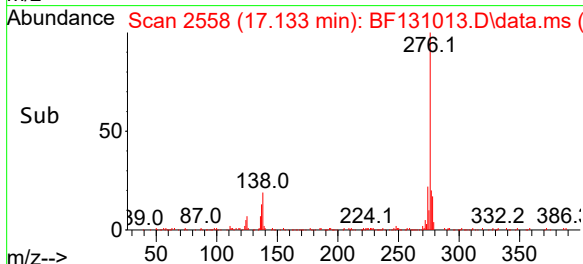
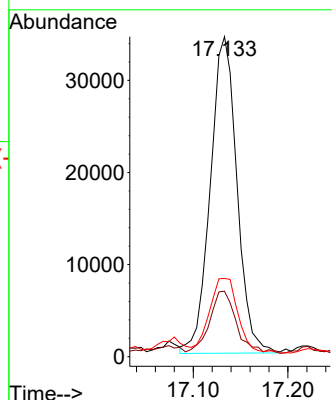
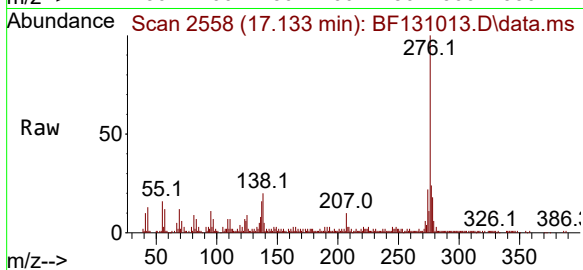
Tgt Ion:276 Resp: 67191

Ion Ratio Lower Upper

276 100

138 19.8 19.1 28.7

277 25.3 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 23.703 ng

RT: 15.163 min Scan# 2223

Delta R.T. -0.000 min

Lab File: BF131013.D

Acq: 05 Nov 2022 03:22

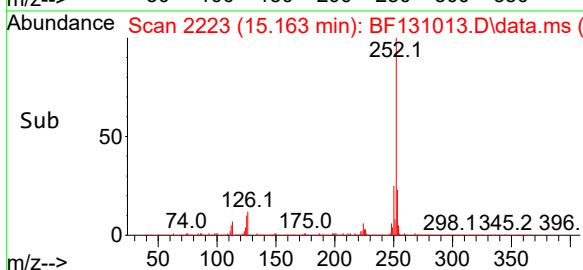
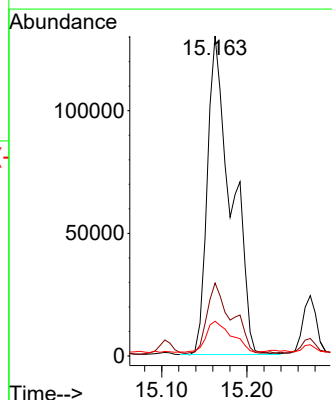
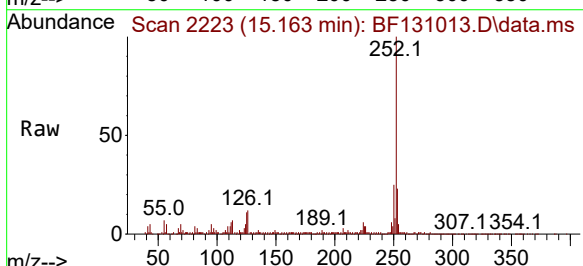
Tgt Ion:252 Resp: 253840

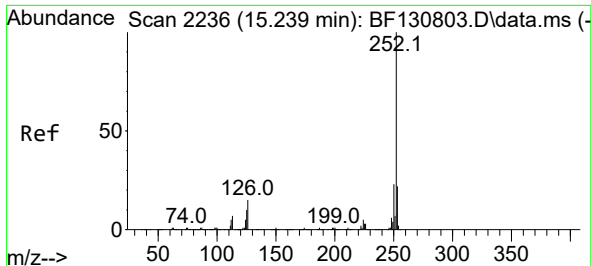
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 10.9 7.0 10.4#

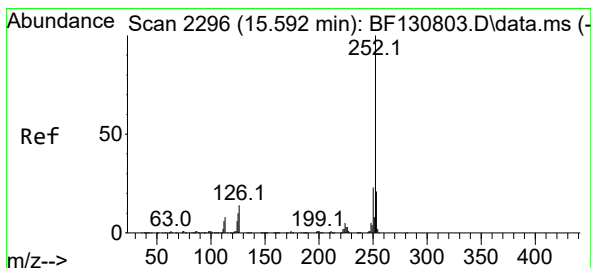
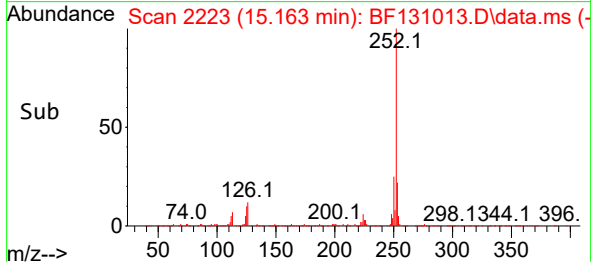
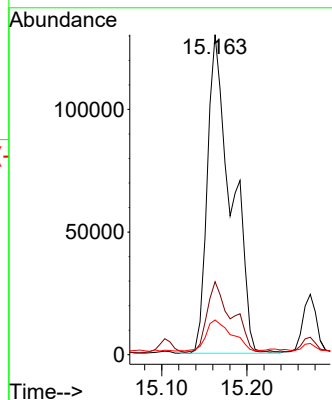
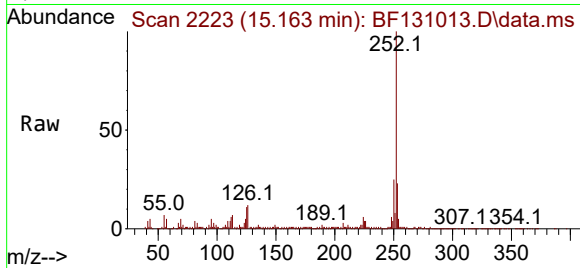




#89
Benzo(k)fluoranthene
Concen: 24.325 ng
RT: 15.163 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

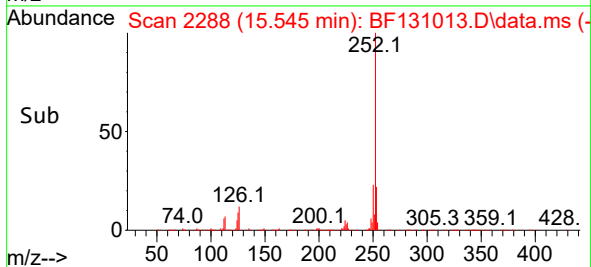
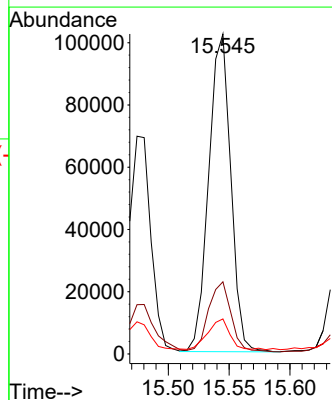
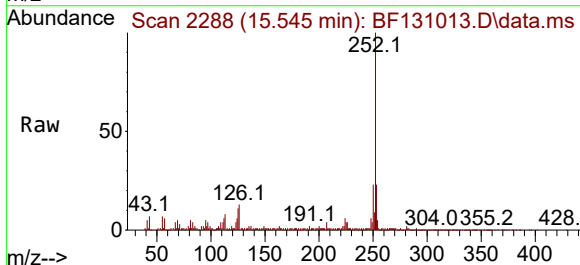
Instrument :
BNA_F
ClientSampleId :
S-13-103122RE

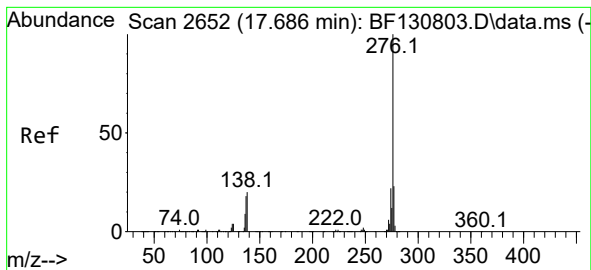
Tgt Ion:252 Resp: 253840
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.9 8.0 12.0



#90
Benzo(a)pyrene
Concen: 14.931 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.000 min
Lab File: BF131013.D
Acq: 05 Nov 2022 03:22

Tgt Ion:252 Resp: 128538
Ion Ratio Lower Upper
252 100
253 22.5 16.8 25.2
125 10.9 8.3 12.5





#92

Benzo(g,h,i)perylene

Concen: 6.518 ng

RT: 17.592 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF131013.D

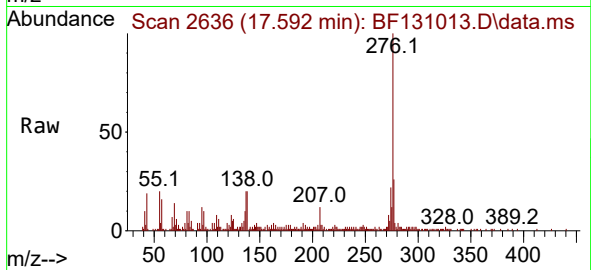
Acq: 05 Nov 2022 03:22

Instrument :

BNA_F

ClientSampleId :

S-13-103122RE



Tgt Ion:276 Resp: 59637

Ion Ratio Lower Upper

276 100

277 26.0 18.8 28.2

138 20.1 16.3 24.5

