

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020723\
 Data File : BF132352.D
 Acq On : 07 Feb 2023 19:15
 Operator : CG\JU
 Sample : 01464-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-8

Quant Time: Feb 08 04:01:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 04:05:36 2023
 Response via : Initial Calibration

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

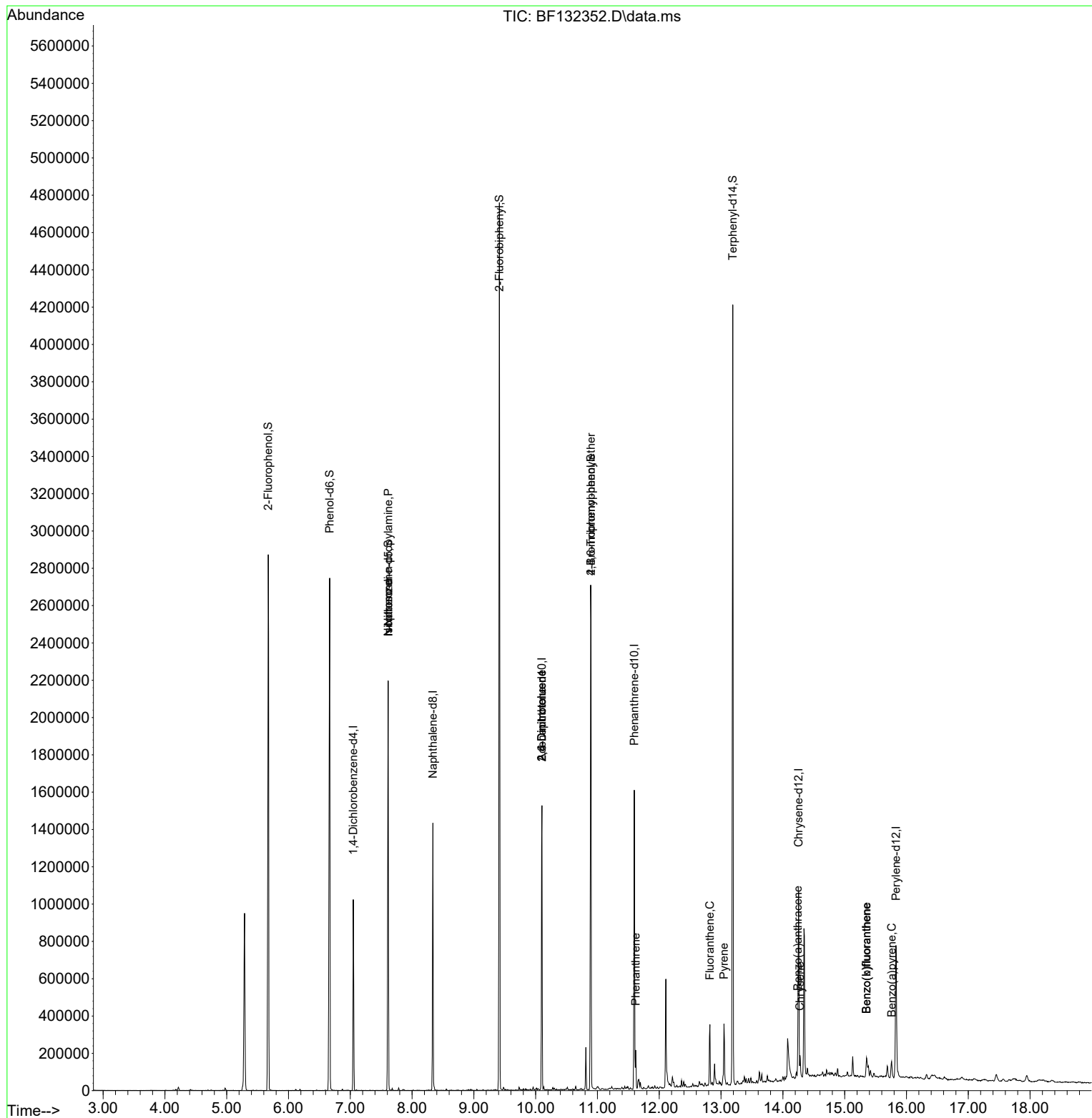
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.048	152	152521	20.000	ng	0.00
21) Naphthalene-d8	8.336	136	583873	20.000	ng	0.00
39) Acenaphthene-d10	10.101	164	303694	20.000	ng	0.00
64) Phenanthrene-d10	11.595	188	553041	20.000	ng	0.00
76) Chrysene-d12	14.254	240	306169	20.000	ng	-0.01
86) Perylene-d12	15.830	264	341708	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.672	112	979795	103.259	ng	0.00
7) Phenol-d6	6.666	99	1174625	100.411	ng	0.00
23) Nitrobenzene-d5	7.613	82	698560	66.578	ng	0.00
42) 2,4,6-Tribromophenol	10.895	330	372858	119.388	ng	0.00
45) 2-Fluorobiphenyl	9.413	172	1355759	68.939	ng	0.00
79) Terphenyl-d14	13.189	244	1397199	88.277	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.607	77	177	Below Cal	#	54
19) n-Nitroso-di-n-propyla...	7.613	70	85414	12.854	ng	# 76
25) Isophorone	7.613	82	698550	35.077	ng	# 64
51) 2,6-Dinitrotoluene	10.101	165	39348	8.293	ng	# 25
57) 2,4-Dinitrotoluene	10.101	165	39348	6.384	ng	# 23
67) 4-Bromophenyl-phenylether	10.895	248	21192	3.742	ng	# 1
71) Phenanthrene	11.619	178	68642	2.375	ng	98
75) Fluoranthene	12.819	202	112918	3.829	ng	98
78) Pyrene	13.048	202	127062	5.160	ng	98
81) Benzo(a)anthracene	14.242	228	50951	2.379	ng	95
83) Chrysene	14.277	228	46420	2.315	ng	100
88) Benzo(b)fluoranthene	15.354	252	81454	3.750	ng	98
89) Benzo(k)fluoranthene	15.354	252	81454	3.929	ng	98
90) Benzo(a)pyrene	15.760	252	45208	2.235	ng	99

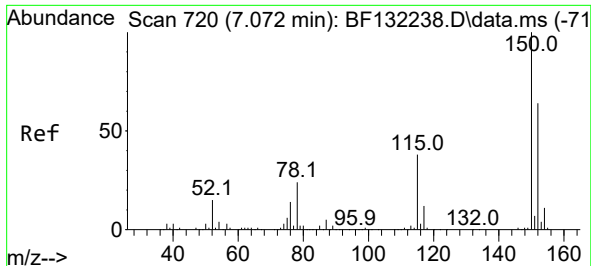
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 08 04:01:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 07 04:05:36 2023
Response via : Initial Calibration

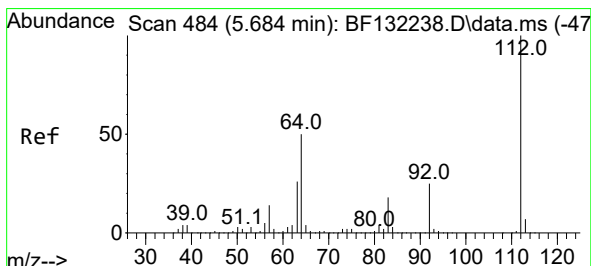
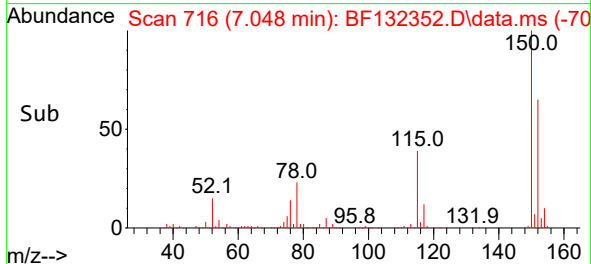
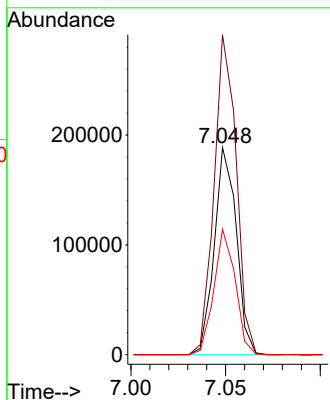
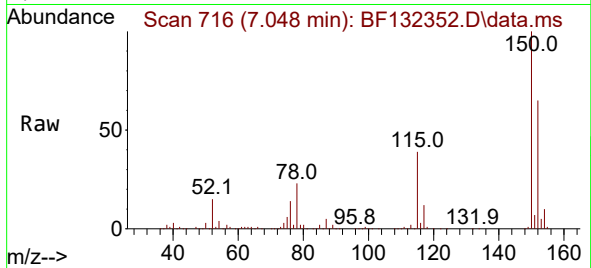




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.048 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

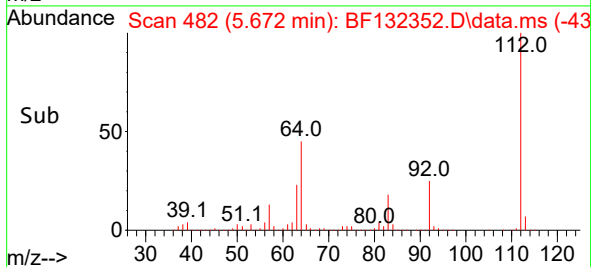
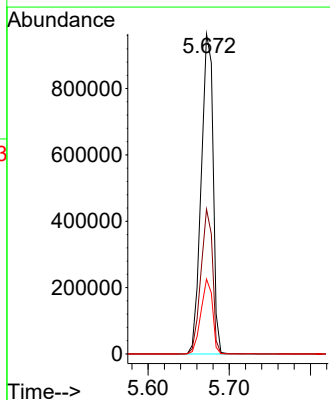
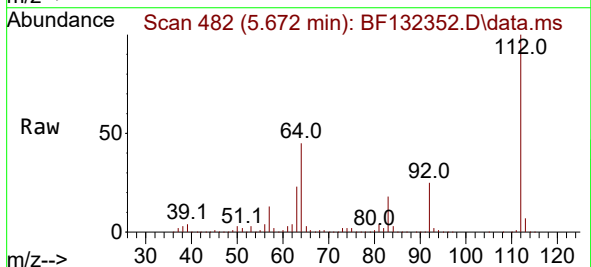
Instrument :
BNA_F
ClientSampleId :
COMP-8

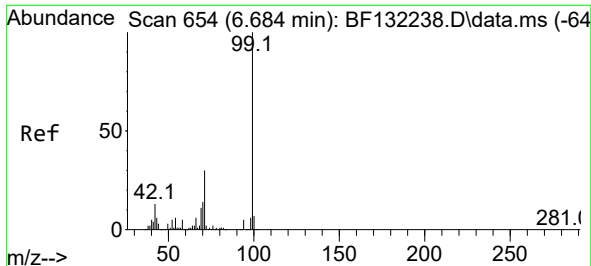
Tgt Ion:152 Resp: 152521
Ion Ratio Lower Upper
152 100
150 154.4 124.2 186.2
115 60.5 47.3 70.9



#5
2-Fluorophenol
Concen: 103.259 ng
RT: 5.672 min Scan# 482
Delta R.T. 0.006 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

Tgt Ion:112 Resp: 979795
Ion Ratio Lower Upper
112 100
64 45.2 40.0 60.0
63 23.4 20.5 30.7

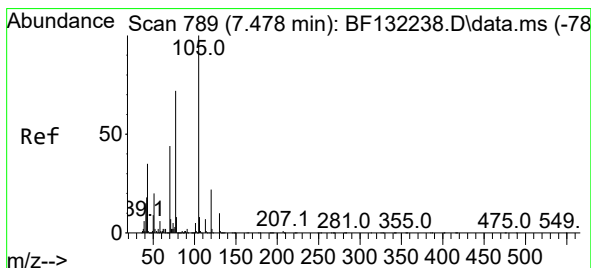
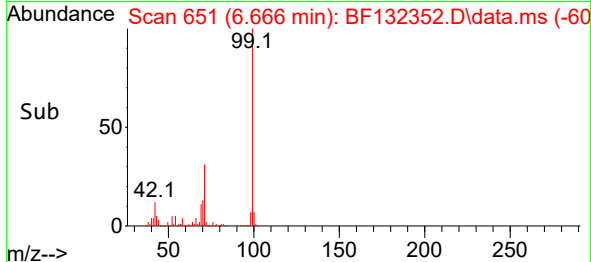
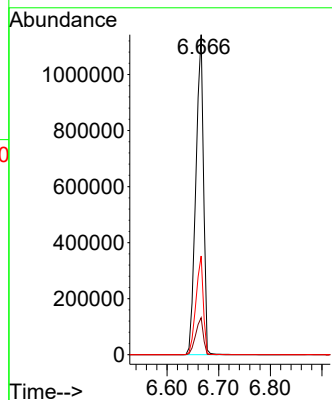
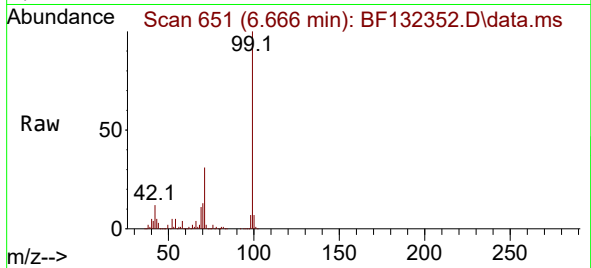




#7
Phenol-d6
Concen: 100.411 ng
RT: 6.666 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

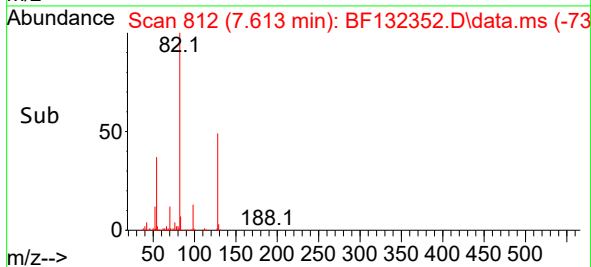
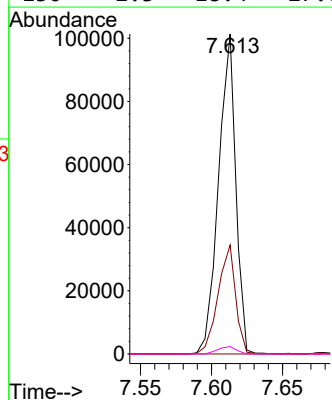
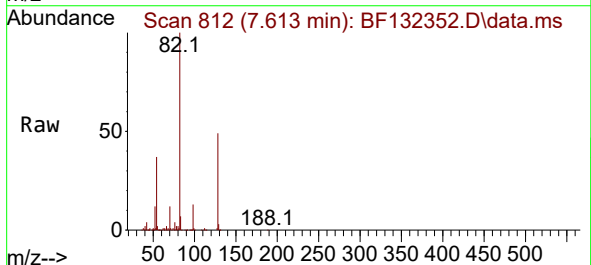
Instrument :
BNA_F
ClientSampleId :
COMP-8

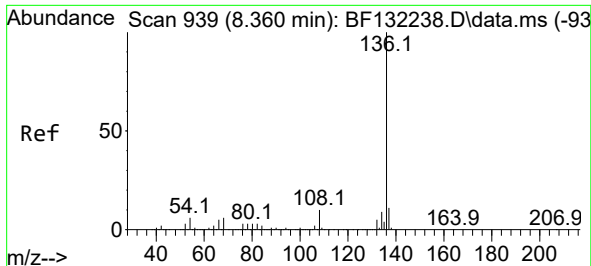
Tgt Ion: 99 Resp: 1174625
Ion Ratio Lower Upper
99 100
42 11.6 10.1 15.1
71 30.8 24.2 36.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.854 ng
RT: 7.613 min Scan# 812
Delta R.T. 0.153 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

Tgt Ion: 70 Resp: 85414
Ion Ratio Lower Upper
70 100
42 34.0 33.4 50.0
101 0.0 8.2 12.4#
130 2.3 18.4 27.6#

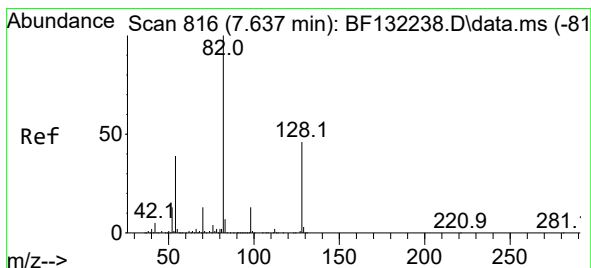
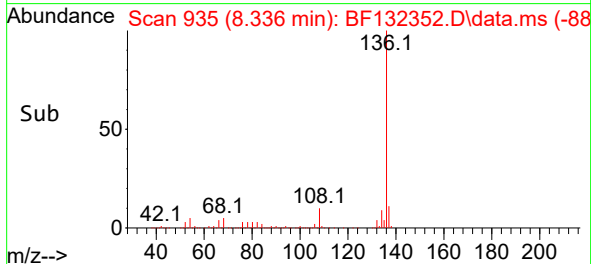
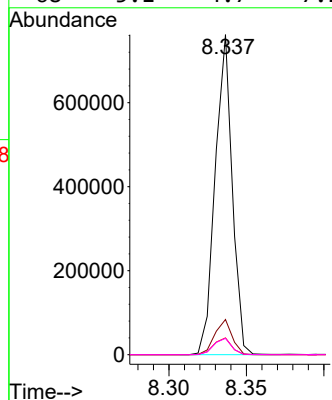
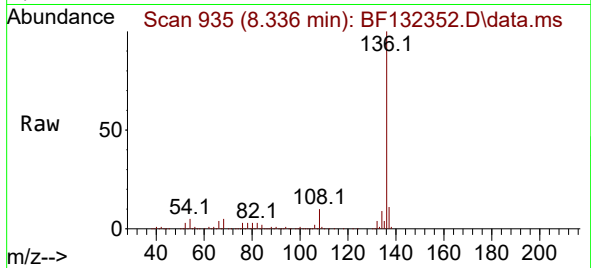




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.336 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

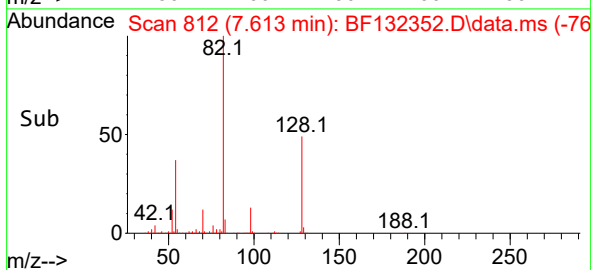
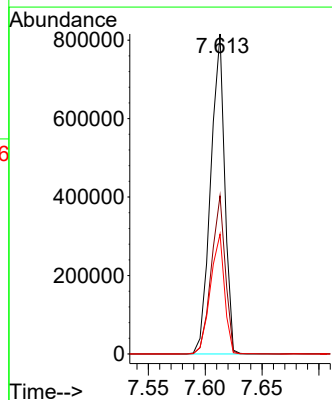
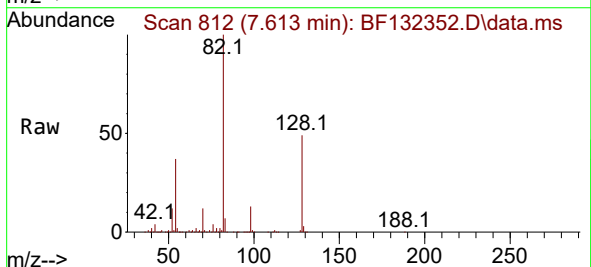
Instrument :
BNA_F
ClientSampleId :
COMP-8

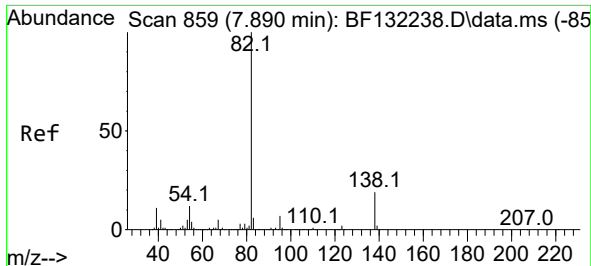
Tgt Ion:136 Resp: 583873
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 5.2 4.9 7.3
68 5.1 4.7 7.1



#23
Nitrobenzene-d5
Concen: 66.578 ng
RT: 7.613 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

Tgt Ion: 82 Resp: 698560
Ion Ratio Lower Upper
82 100
128 49.5 37.0 55.4
54 37.4 31.5 47.3

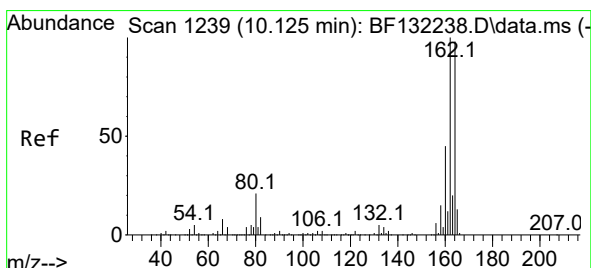
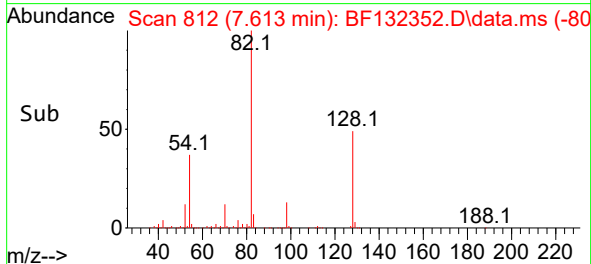
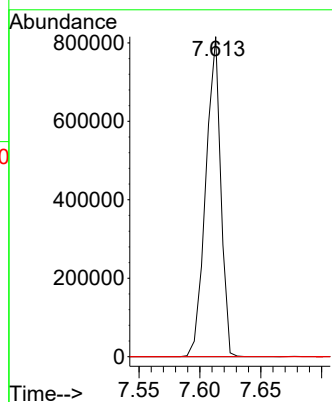
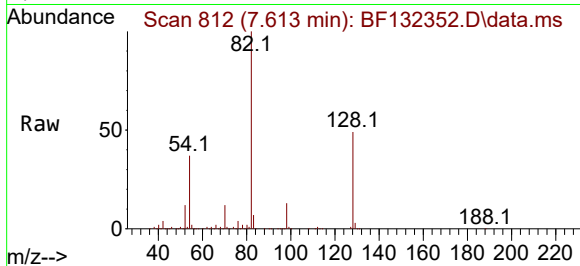




#25
Isophorone
Concen: 35.077 ng
RT: 7.613 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

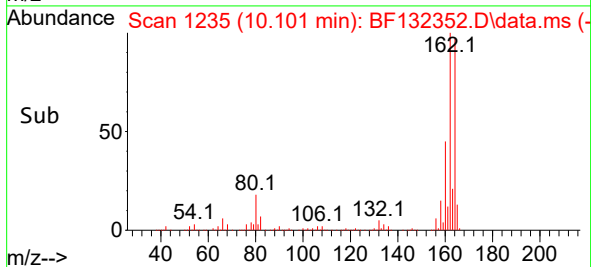
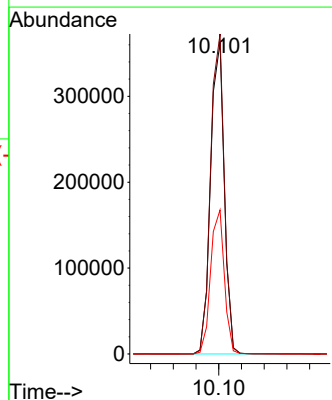
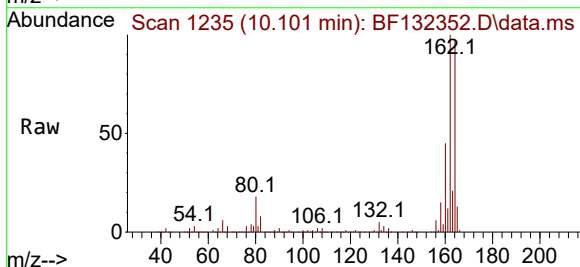
Instrument :
BNA_F
ClientSampleId :
COMP-8

Tgt Ion: 82 Resp: 698550
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.0 22.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.101 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

Tgt Ion:164 Resp: 303694
Ion Ratio Lower Upper
164 100
162 102.7 82.0 123.0
160 46.2 37.1 55.7

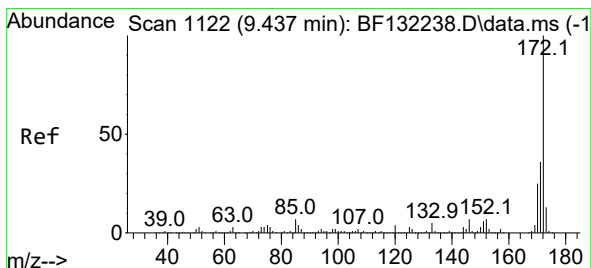
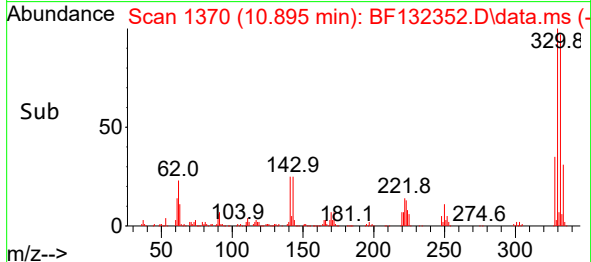
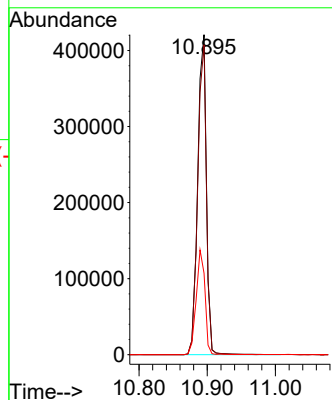
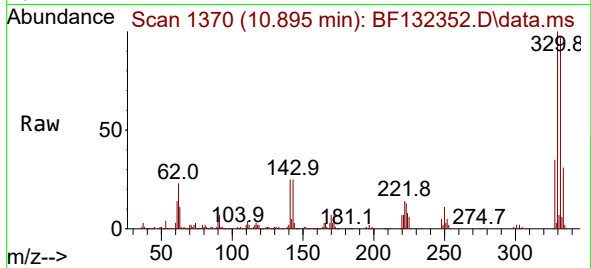




#42
2,4,6-Tribromophenol
Concen: 119.388 ng
RT: 10.895 min Scan# 1118
Delta R.T. -0.006 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

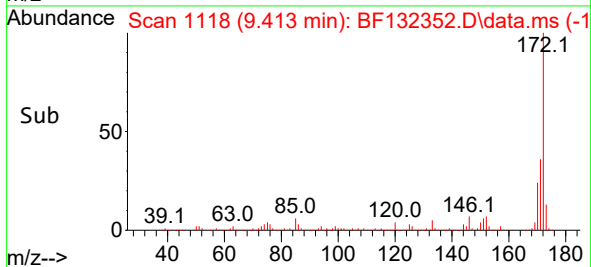
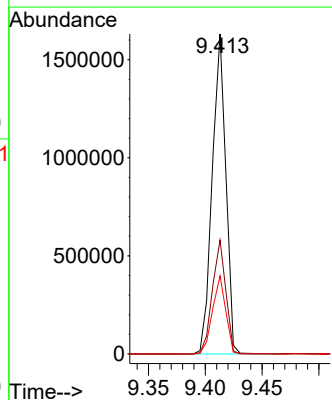
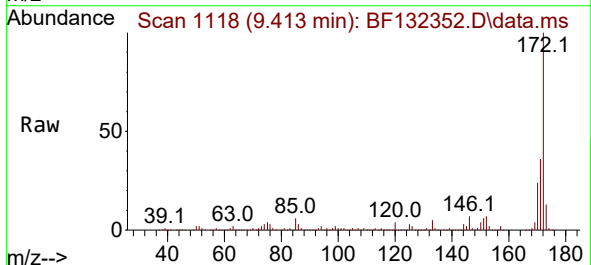
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ClientSampleId :
COMP-8

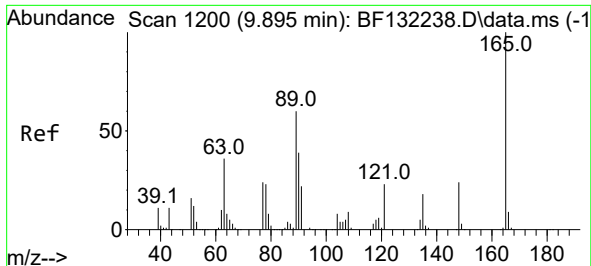
Tgt Ion:330 Resp: 372858
Ion Ratio Lower Upper
330 100
332 96.7 77.9 116.9
141 33.0 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 68.939 ng
RT: 9.413 min Scan# 1118
Delta R.T. -0.006 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

Tgt Ion:172 Resp: 1355759
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 24.4 19.7 29.5

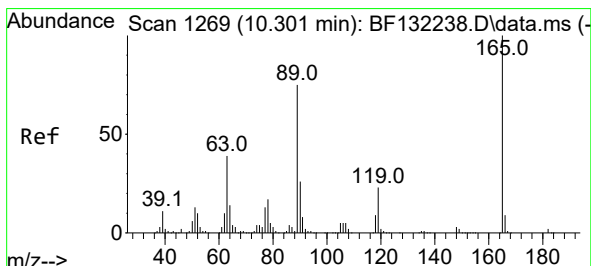
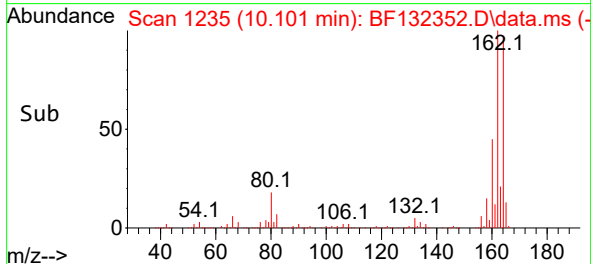
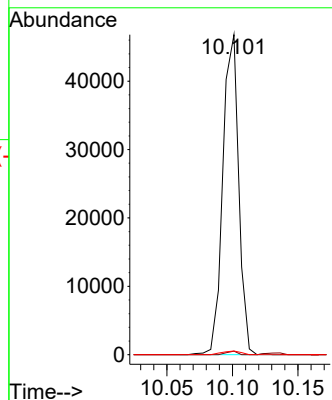
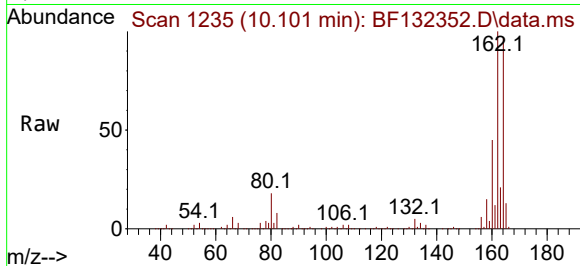




#51
2,6-Dinitrotoluene
Concen: 8.293 ng
RT: 10.101 min Scan# 1235
Delta R.T. 0.218 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

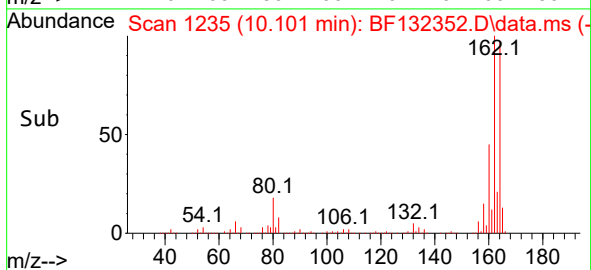
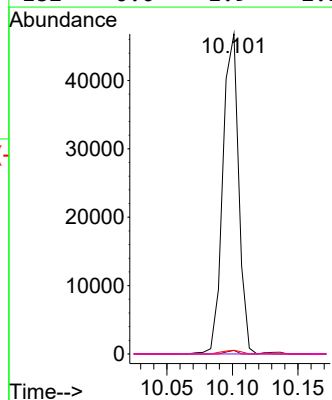
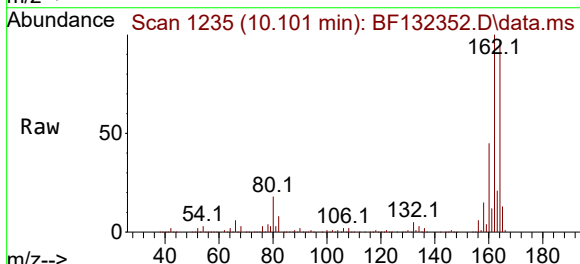
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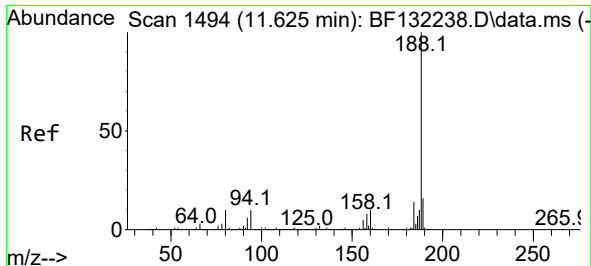
Tgt Ion:165 Resp: 39348
Ion Ratio Lower Upper
165 100
63 1.1 41.5 62.3#
89 1.2 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 6.384 ng
RT: 10.101 min Scan# 1235
Delta R.T. -0.182 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

Tgt Ion:165 Resp: 39348
Ion Ratio Lower Upper
165 100
63 1.1 30.9 46.3#
89 1.2 60.1 90.1#
182 0.0 1.9 2.9#

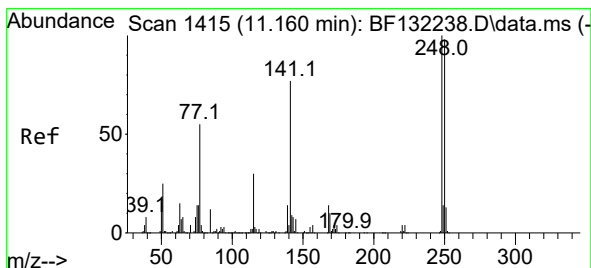
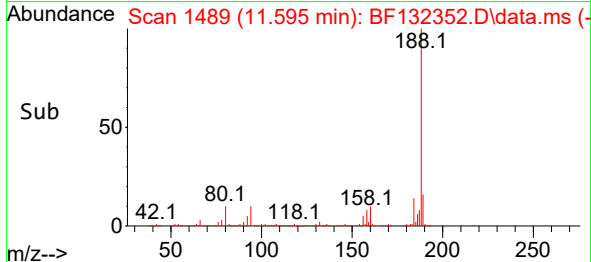
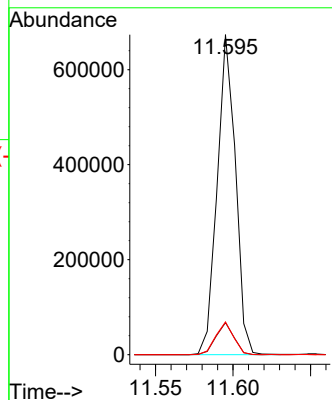
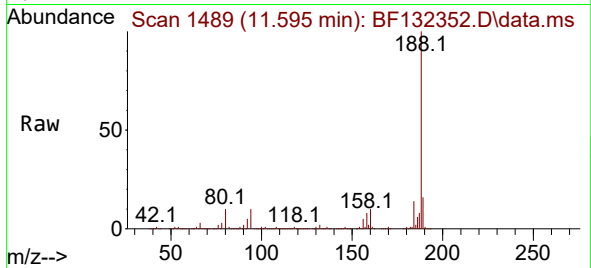




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.595 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

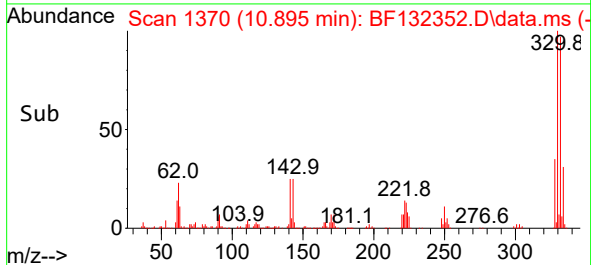
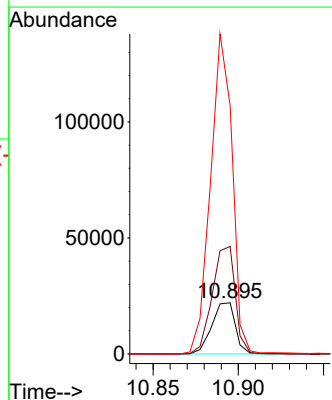
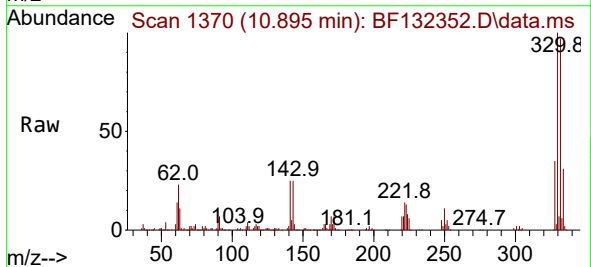
Instrument :
BNA_F
ClientSampleId :
COMP-8

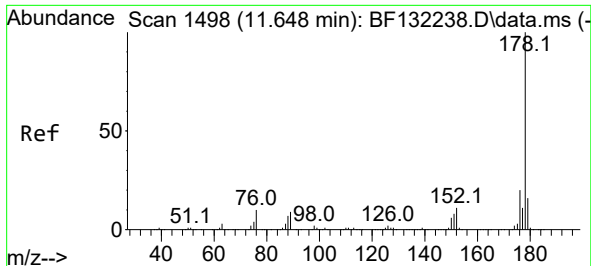
Tgt Ion:188 Resp: 553041
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.2
80 10.3 8.3 12.5



#67
4-Bromophenyl-phenylether
Concen: 3.742 ng
RT: 10.895 min Scan# 1370
Delta R.T. -0.241 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

Tgt Ion:248 Resp: 21192
Ion Ratio Lower Upper
248 100
250 209.8 78.6 117.8#
141 484.5 61.6 92.4#

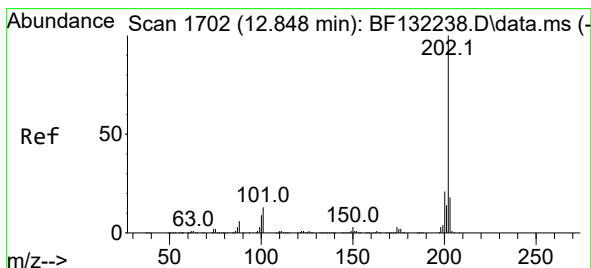
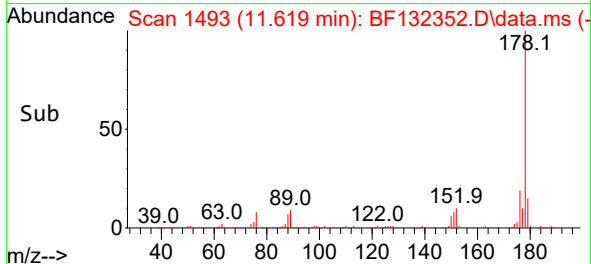
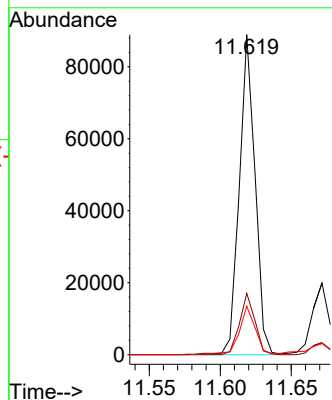
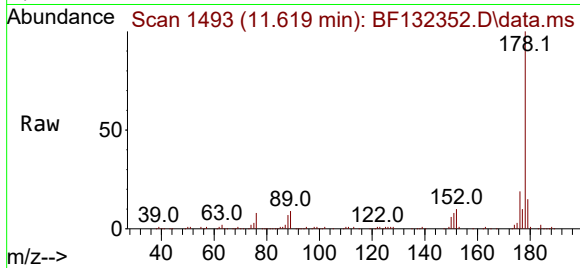




#71
Phenanthrene
Concen: 2.375 ng
RT: 11.619 min Scan# 1498
Delta R.T. -0.012 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

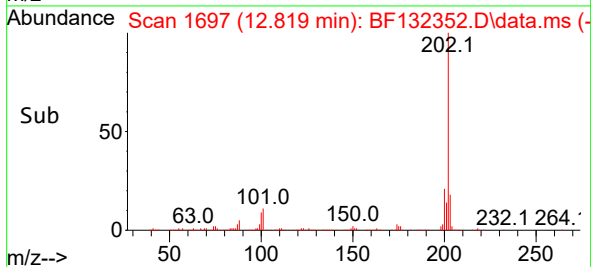
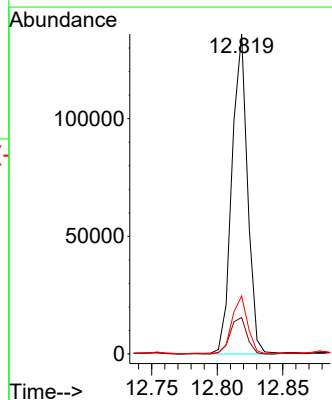
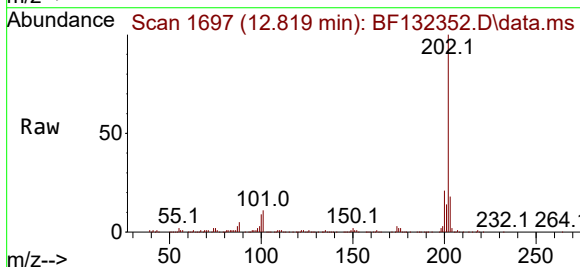
Instrument :
BNA_F
ClientSampleId :
COMP-8

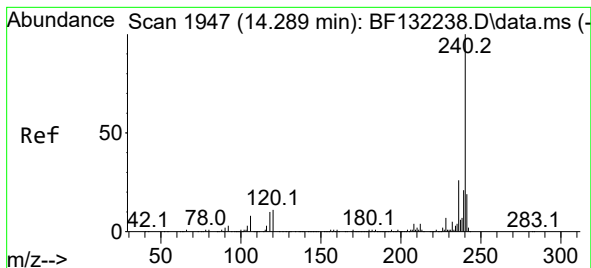
Tgt Ion:178 Resp: 68642
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 15.2 12.8 19.2



#75
Fluoranthene
Concen: 3.829 ng
RT: 12.819 min Scan# 1697
Delta R.T. -0.006 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

Tgt Ion:202 Resp: 112918
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.7
203 18.1 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.254 min Scan# 1941

Delta R.T. -0.012 min

Lab File: BF132352.D

Acq: 07 Feb 2023 19:15

Instrument :

BNA_F

ClientSampleId :

COMP-8

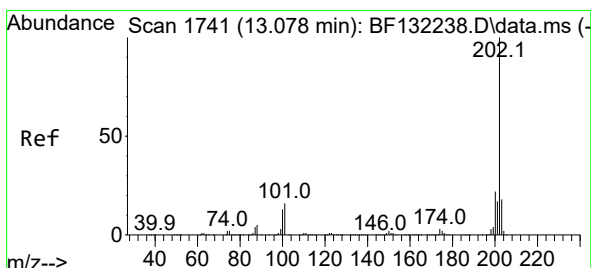
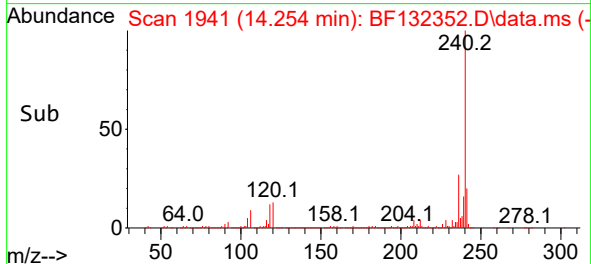
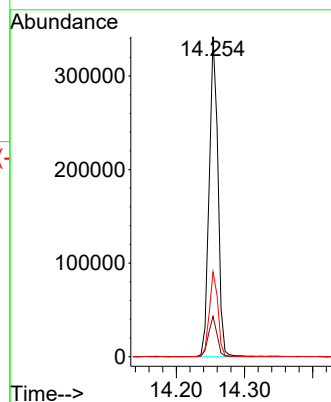
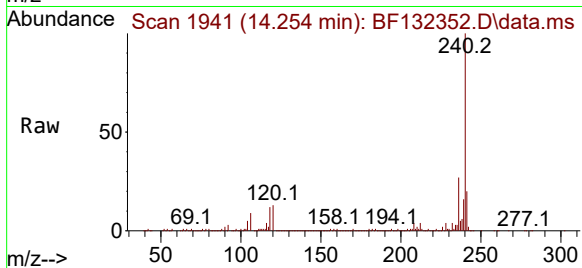
Tgt Ion:240 Resp: 306169

Ion Ratio Lower Upper

240 100

120 12.6 8.8 13.2

236 26.5 21.0 31.6



#78

Pyrene

Concen: 5.160 ng

RT: 13.048 min Scan# 1736

Delta R.T. -0.012 min

Lab File: BF132352.D

Acq: 07 Feb 2023 19:15

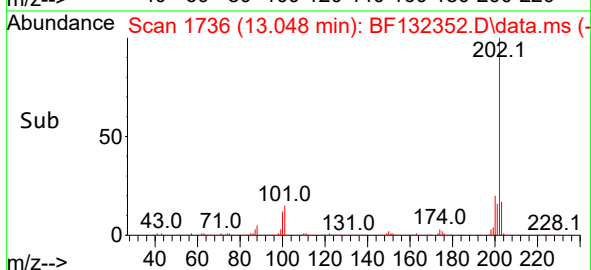
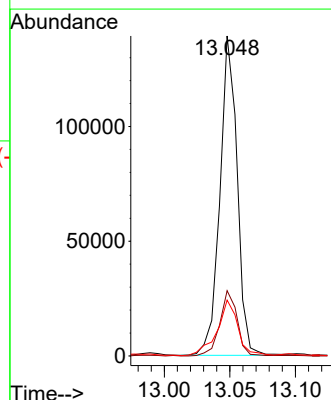
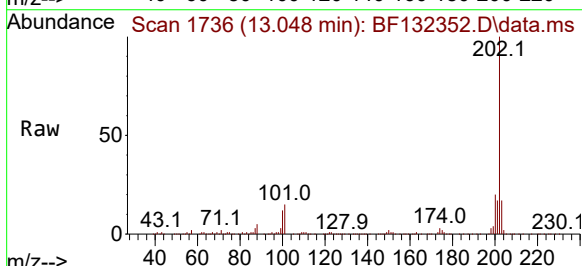
Tgt Ion:202 Resp: 127062

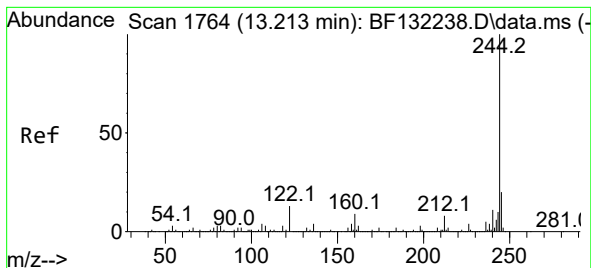
Ion Ratio Lower Upper

202 100

200 20.4 17.3 25.9

203 17.4 14.4 21.6





#79

Terphenyl-d14

Concen: 88.277 ng

RT: 13.189 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132352.D

Acq: 07 Feb 2023 19:15

Instrument :

BNA_F

ClientSampleId :

COMP-8

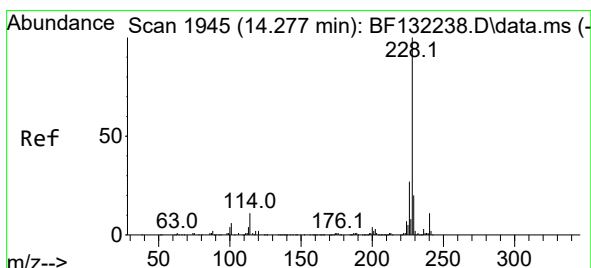
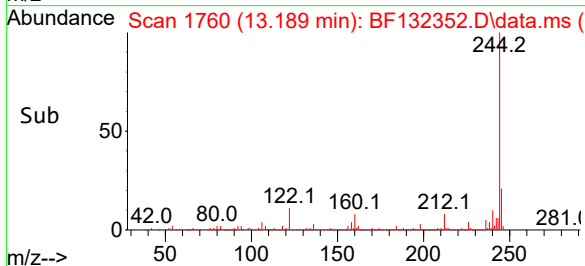
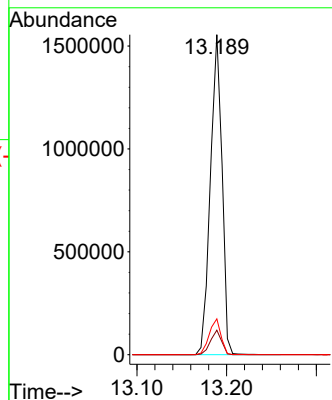
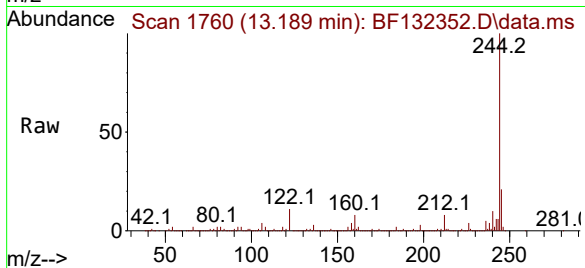
Tgt Ion:244 Resp: 1397199

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

122 11.2 10.5 15.7



#81

Benzo(a)anthracene

Concen: 2.379 ng

RT: 14.242 min Scan# 1939

Delta R.T. -0.012 min

Lab File: BF132352.D

Acq: 07 Feb 2023 19:15

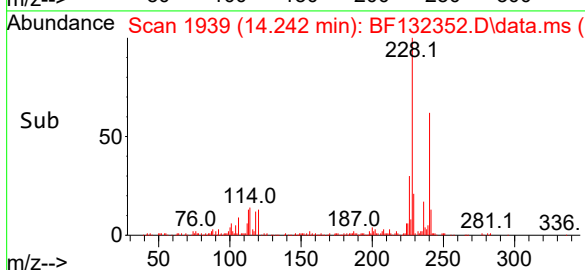
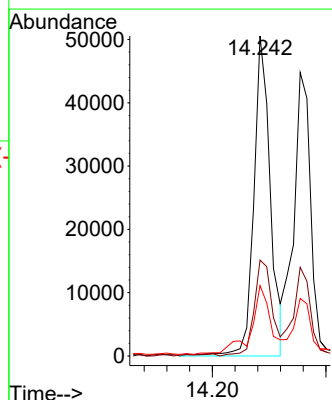
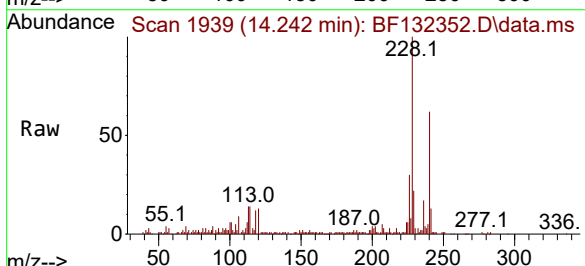
Tgt Ion:228 Resp: 50951

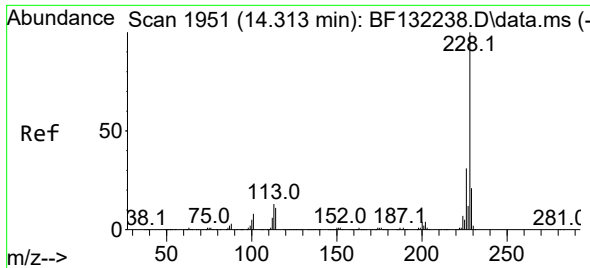
Ion Ratio Lower Upper

228 100

226 30.0 22.0 33.0

229 22.0 15.8 23.6

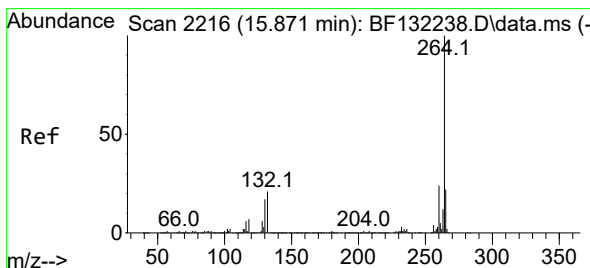
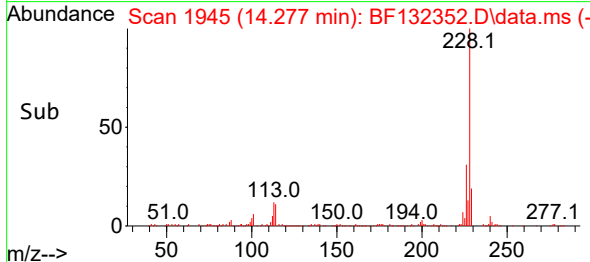
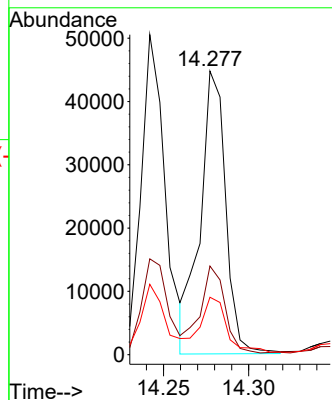
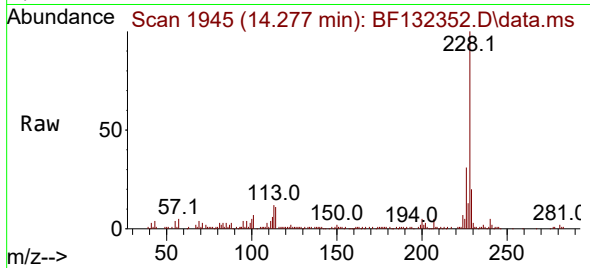




#83
Chrysene
Concen: 2.315 ng
RT: 14.277 min Scan# 1951
Delta R.T. -0.018 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

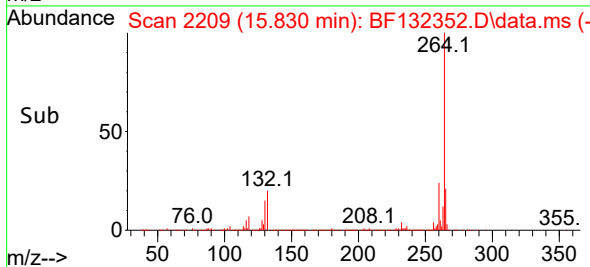
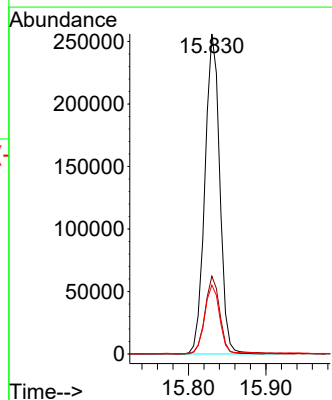
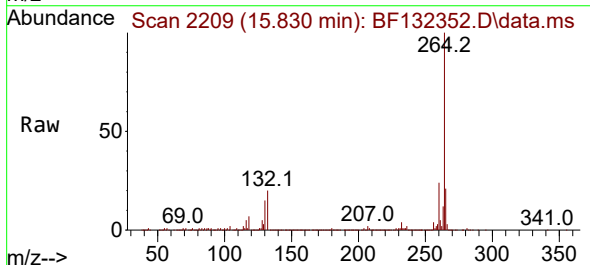
Instrument :
BNA_F
ClientSampleId :
COMP-8

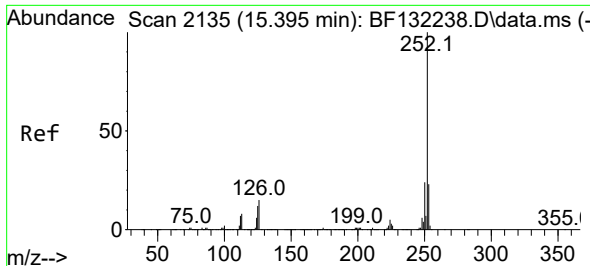
Tgt Ion:228 Resp: 46420
Ion Ratio Lower Upper
228 100
226 31.3 24.9 37.3
229 20.3 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.830 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

Tgt Ion:264 Resp: 341708
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.4
265 21.5 17.4 26.2

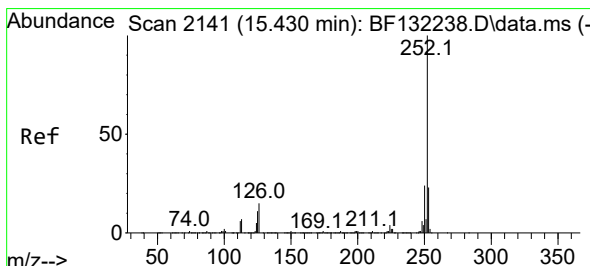
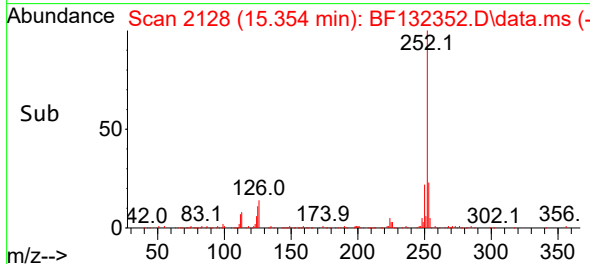
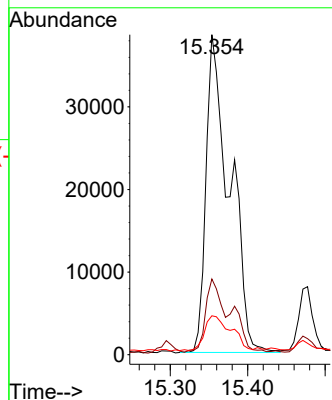
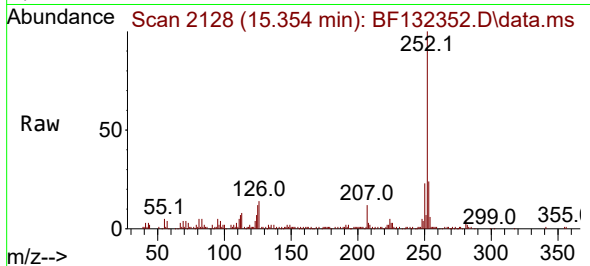




#88
Benzo(b)fluoranthene
Concen: 3.750 ng
RT: 15.354 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

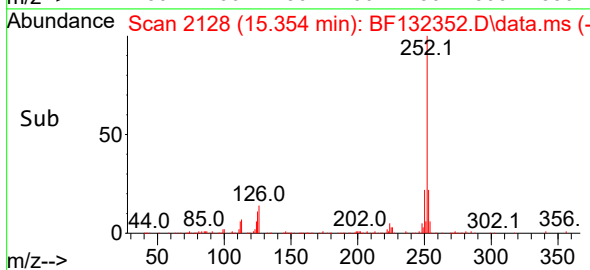
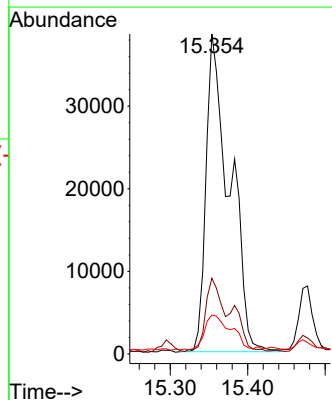
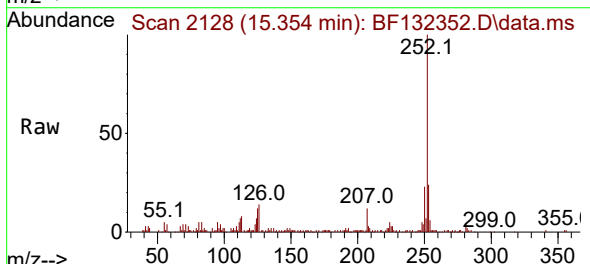
Instrument :
BNA_F
ClientSampleId :
COMP-8

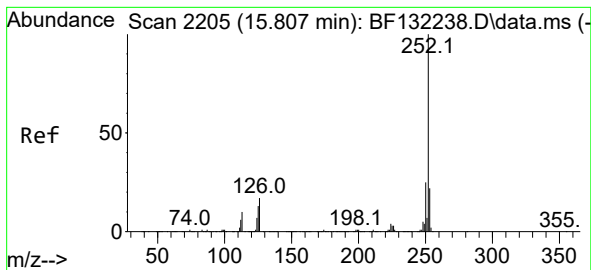
Tgt Ion:252 Resp: 81454
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 12.2 9.6 14.4



#89
Benzo(k)fluoranthene
Concen: 3.929 ng
RT: 15.354 min Scan# 2128
Delta R.T. -0.047 min
Lab File: BF132352.D
Acq: 07 Feb 2023 19:15

Tgt Ion:252 Resp: 81454
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 12.2 9.0 13.6





#90

Benzo(a)pyrene

Concen: 2.235 ng

RT: 15.760 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF132352.D

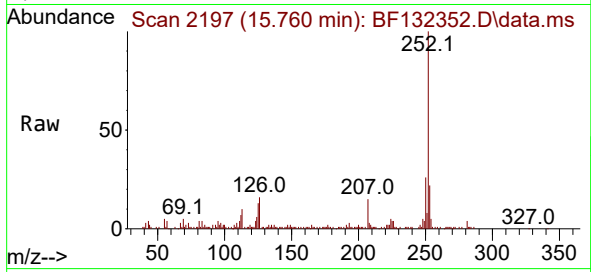
Acq: 07 Feb 2023 19:15

Instrument :

BNA_F

ClientSampleId :

COMP-8



Tgt Ion:252 Resp: 45208

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 13.3 10.2 15.4

