

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131791.D
 Acq On : 22 Dec 2022 22:57
 Operator : CG\JU
 Sample : N6180-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3050

Quant Time: Dec 23 03:36:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 03:03:57 2022
 Response via : Initial Calibration

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

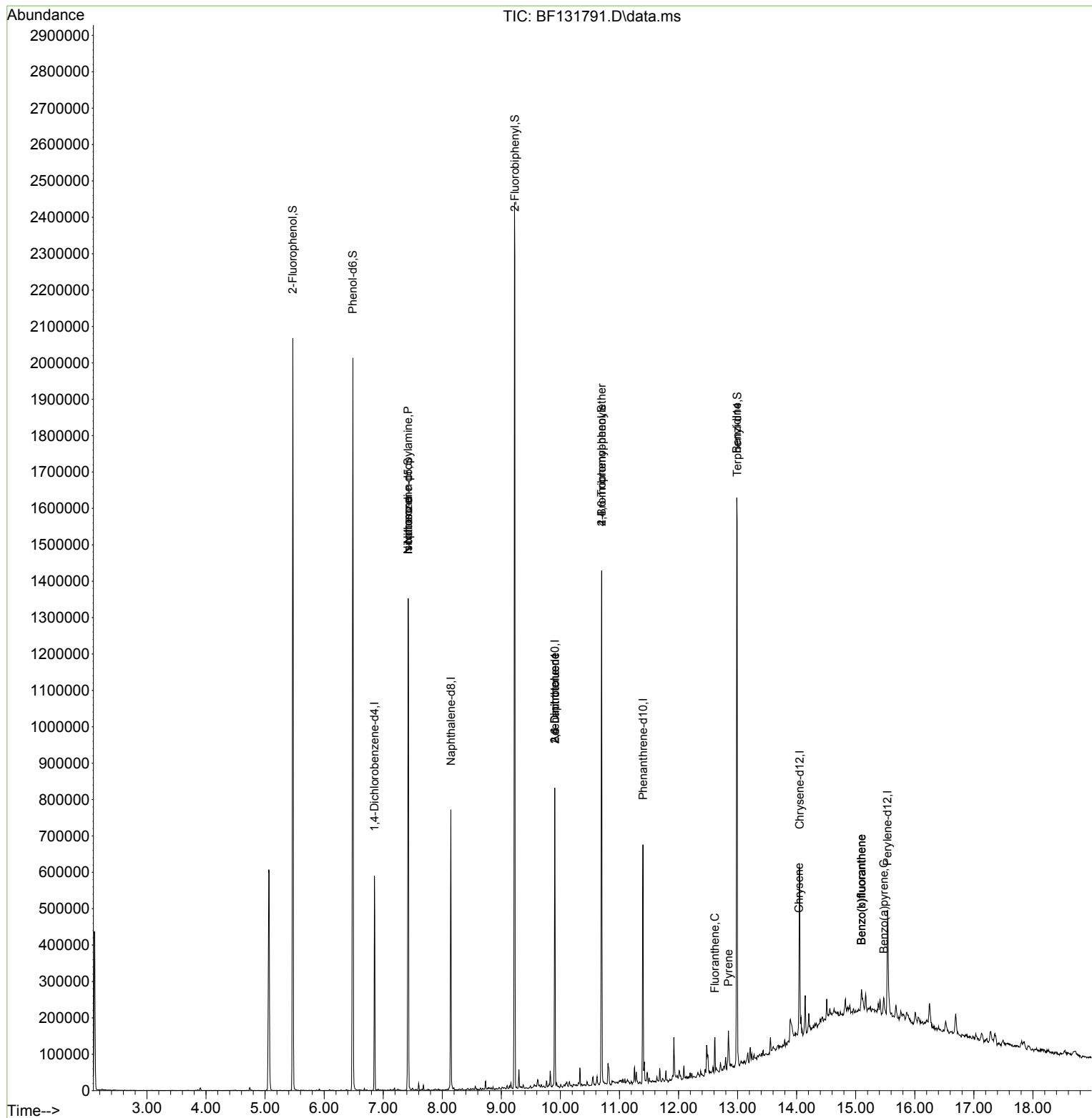
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	78222	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	274402	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	142224	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	222663	20.000	ng	0.00
76) Chrysene-d12	14.051	240	151644	20.000	ng	# 0.00
86) Perylene-d12	15.539	264	135390	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	511833	110.182	ng	0.01
7) Phenol-d6	6.487	99	658866	105.377	ng	0.00
23) Nitrobenzene-d5	7.422	82	463178	68.525	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	138706	89.103	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	729757	71.877	ng	0.00
79) Terphenyl-d14	12.992	244	561052	57.662	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	177	Below Cal	#	36
19) n-Nitroso-di-n-propyla...	7.422	70	64285	14.256	ng	# 80
25) Isophorone	7.422	82	461670	40.219	ng	# 70
51) 2,6-Dinitrotoluene	9.904	165	18611	8.088	ng	# 19
57) 2,4-Dinitrotoluene	9.904	165	18611	6.019	ng	# 18
67) 4-Bromophenyl-phenylether	10.698	248	10209	3.882	ng	# 1
75) Fluoranthene	12.616	202	38008	2.811	ng	99
77) Benzidine	12.986	184	9104	3.274	ng	96
78) Pyrene	12.845	202	38002	2.756	ng	99
83) Chrysene	14.039	228	21010	2.038	ng	92
88) Benzo(b)fluoranthene	15.098	252	31604	3.299	ng	# 82
89) Benzo(k)fluoranthene	15.098	252	31614	3.382	ng	# 83
90) Benzo(a)pyrene	15.474	252	17633	2.324	ng	# 81

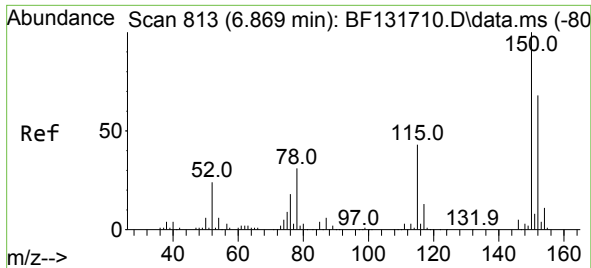
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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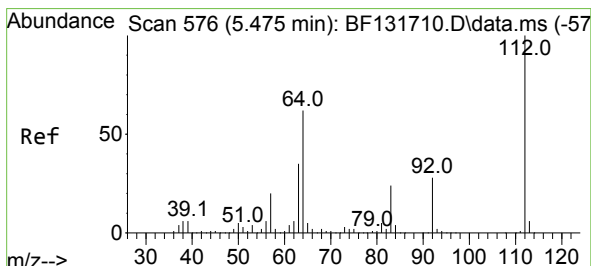
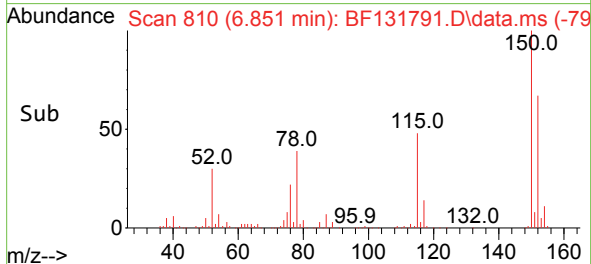
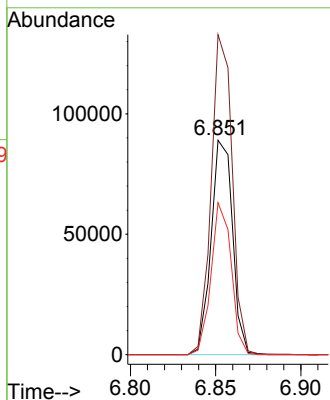
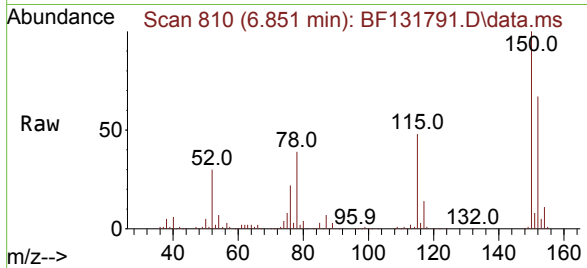




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

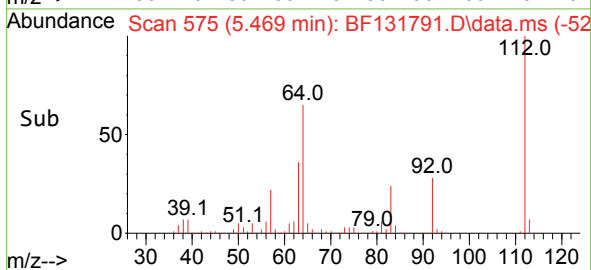
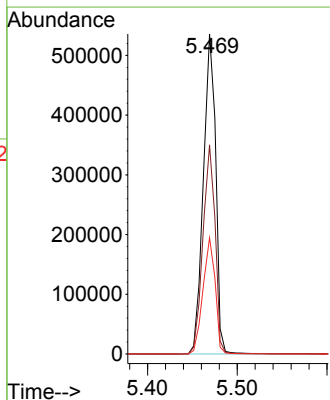
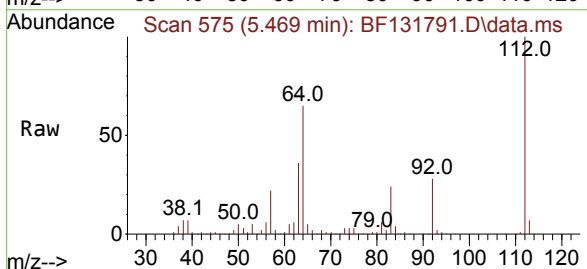
Instrument :
BNA_F
ClientSampleId :
COMP-3050

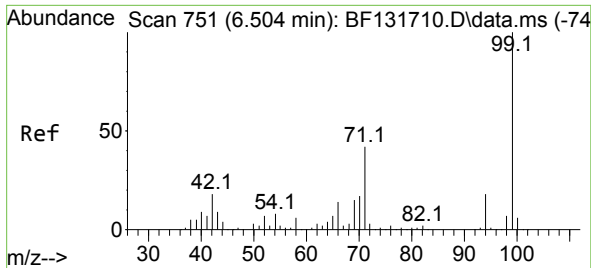
Tgt Ion:152 Resp: 78222
Ion Ratio Lower Upper
152 100
150 149.2 117.4 176.0
115 70.9 50.2 75.4



#5
2-Fluorophenol
Concen: 110.182 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

Tgt Ion:112 Resp: 511833
Ion Ratio Lower Upper
112 100
64 65.3 49.5 74.3
63 36.3 28.2 42.2

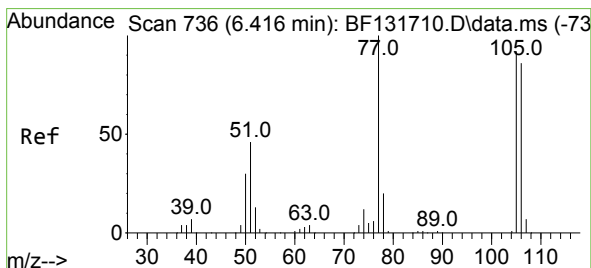
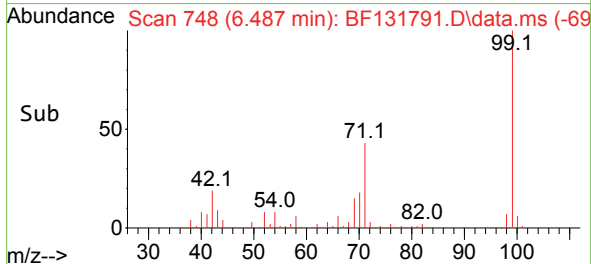
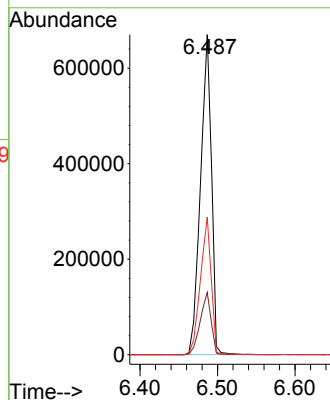
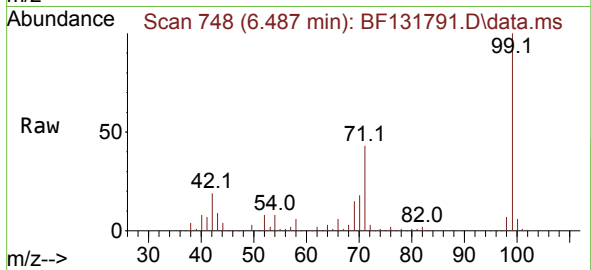




#7
Phenol-d6
Concen: 105.377 ng
RT: 6.487 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

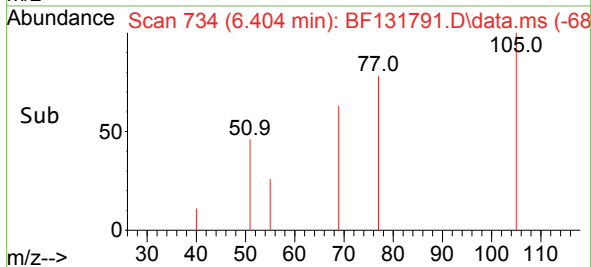
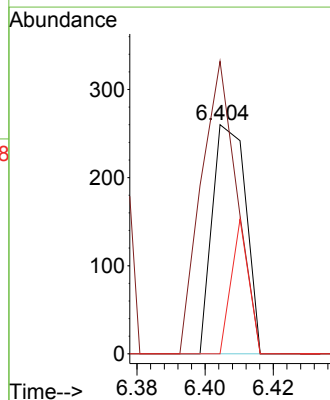
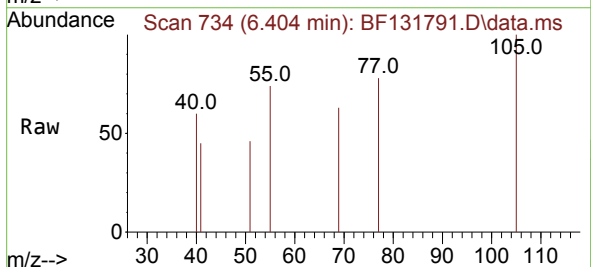
Instrument :
BNA_F
ClientSampleId :
COMP-3050

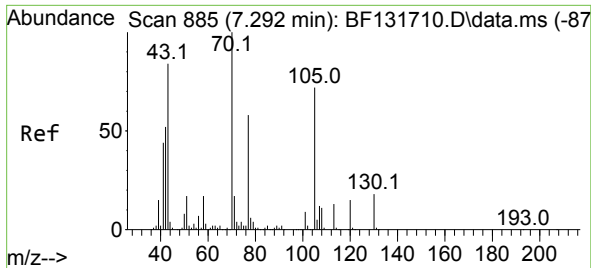
Tgt Ion: 99 Resp: 658866
Ion Ratio Lower Upper
99 100
42 19.5 14.8 22.2
71 43.0 33.8 50.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.404 min Scan# 734
Delta R.T. -0.000 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

Tgt Ion: 77 Resp: 177
Ion Ratio Lower Upper
77 100
105 127.7 72.4 112.4#
106 0.0 66.5 106.5#

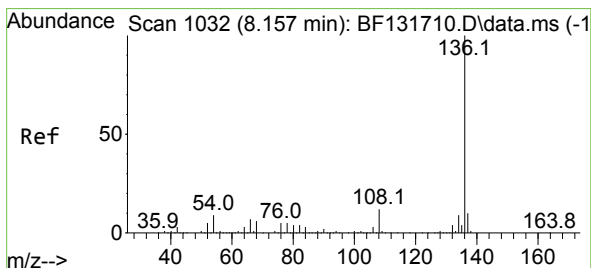
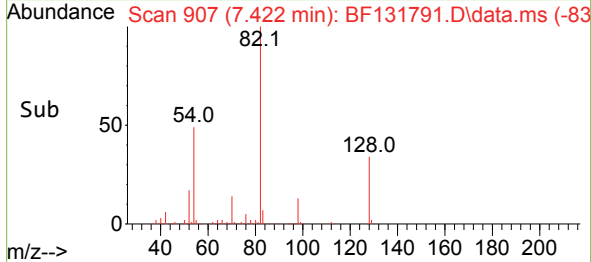
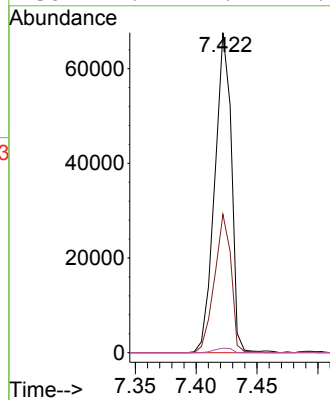
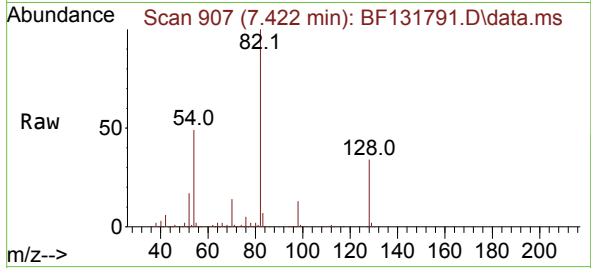




#19
n-Nitroso-di-n-propylamine
Concen: 14.256 ng
RT: 7.422 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

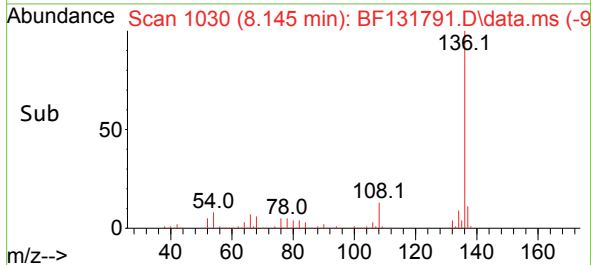
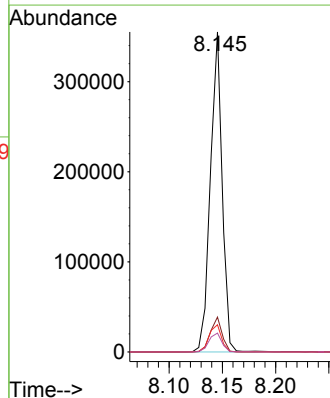
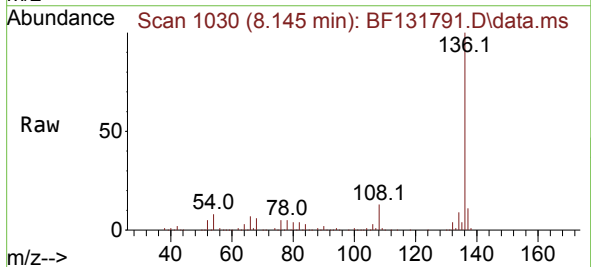
Instrument :
BNA_F
ClientSampleId :
COMP-3050

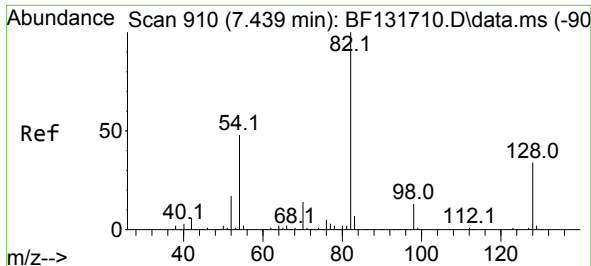
Tgt Ion: 70	Resp: 64285
Ion Ratio	Lower Upper
70 100	
42 43.2	41.5 62.3
101 0.0	7.3 10.9#
130 1.4	14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

Tgt Ion: 136	Resp: 274402
Ion Ratio	Lower Upper
136 100	
137 10.9	8.4 12.6
54 8.5	7.2 10.8
68 5.9	5.0 7.6

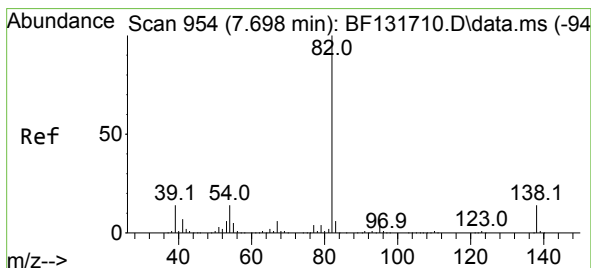
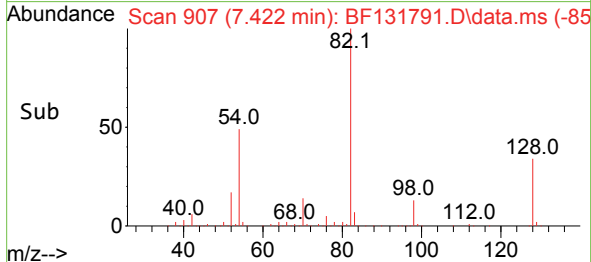
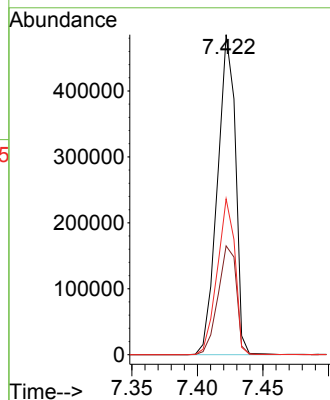
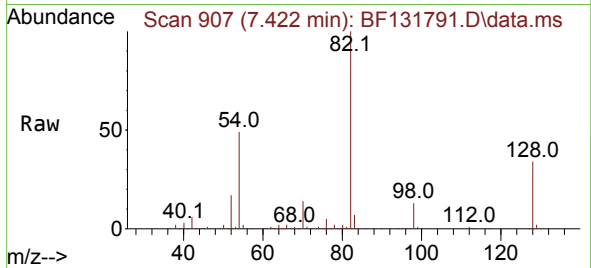




#23
Nitrobenzene-d5
Concen: 68.525 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

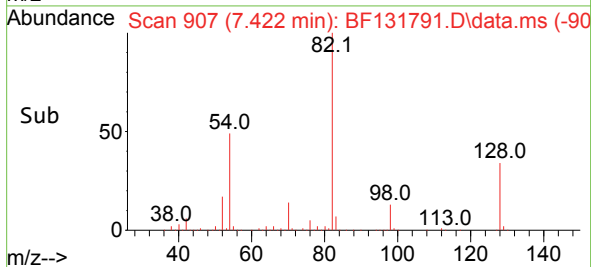
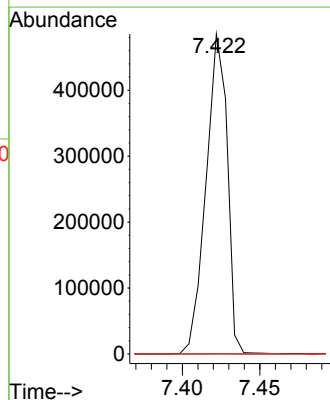
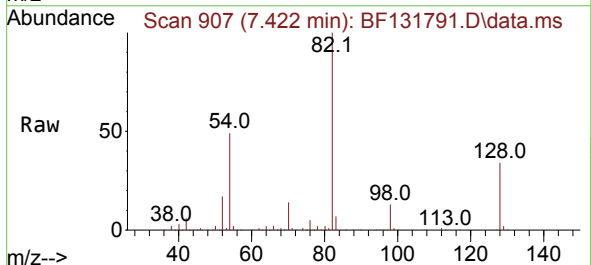
Instrument :
BNA_F
ClientSampleId :
COMP-3050

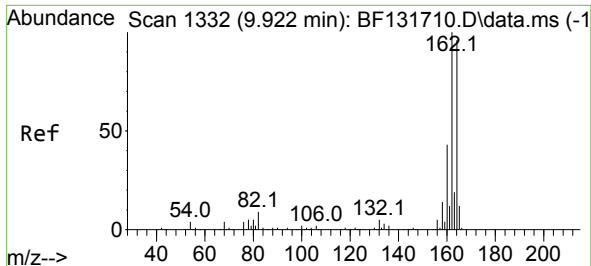
Tgt Ion: 82 Resp: 463178
Ion Ratio Lower Upper
82 100
128 34.0 27.3 40.9
54 48.7 38.2 57.2



#25
Isophorone
Concen: 40.219 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.265 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

Tgt Ion: 82 Resp: 461670
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.6 17.4#

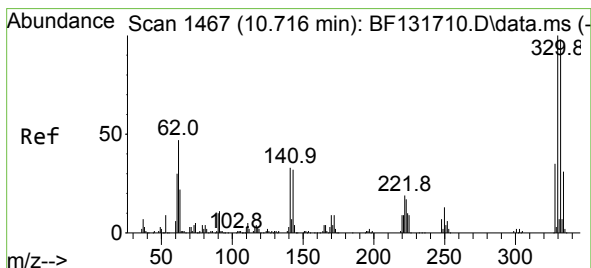
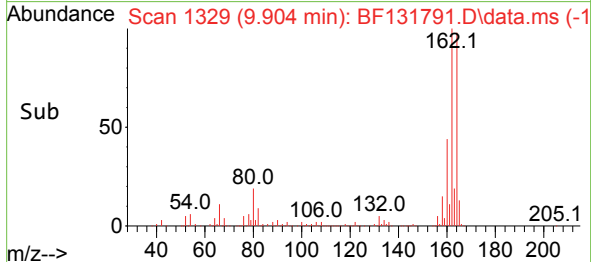
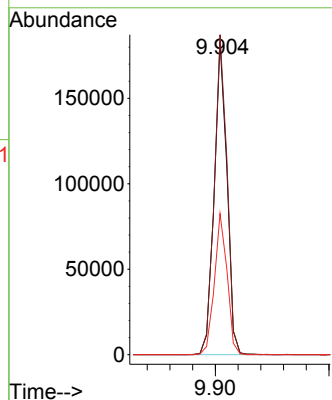
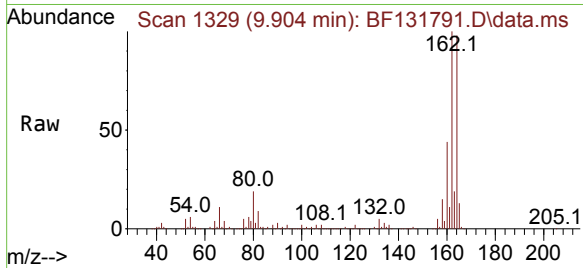




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

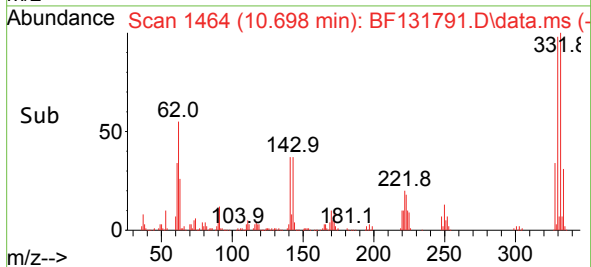
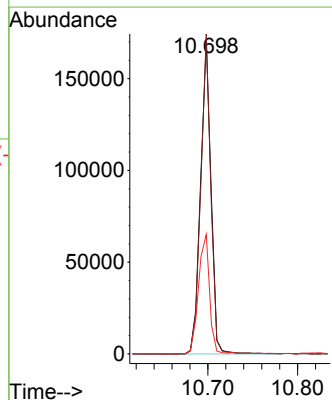
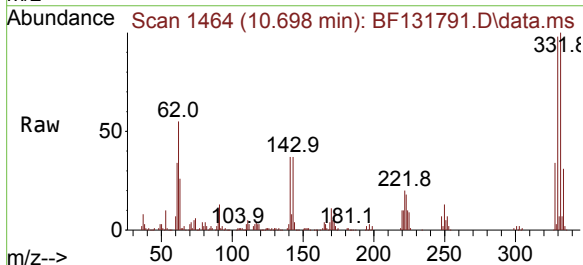
Instrument :
BNA_F
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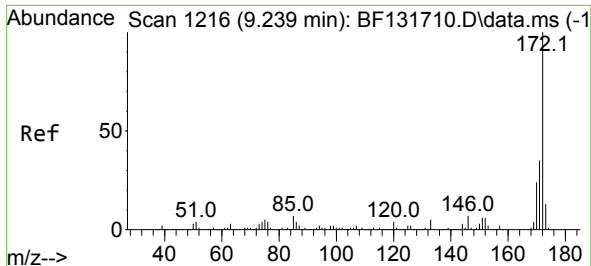
Tgt Ion:164 Resp: 142224
Ion Ratio Lower Upper
164 100
162 102.2 83.7 125.5
160 45.1 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 89.103 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

Tgt Ion:330 Resp: 138706
Ion Ratio Lower Upper
330 100
332 97.4 77.1 115.7
141 40.9 30.4 45.6





#45

2-Fluorobiphenyl

Concen: 71.877 ng

RT: 9.228 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131791.D

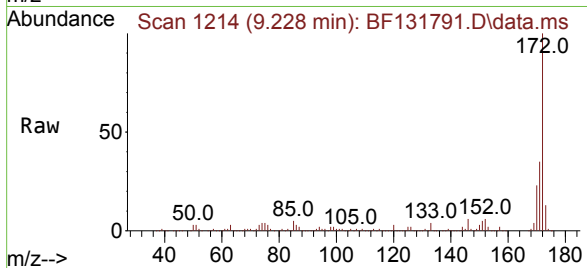
Acq: 22 Dec 2022 22:57

Instrument :

BNA_F

ClientSampleId :

COMP-3050



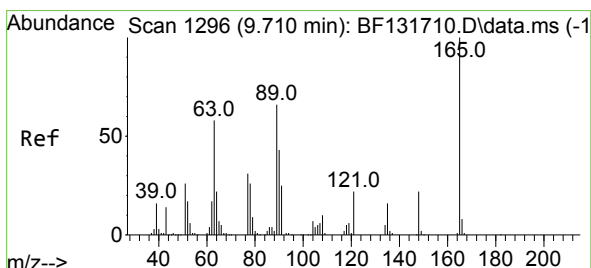
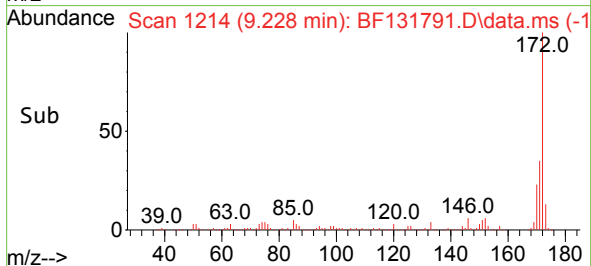
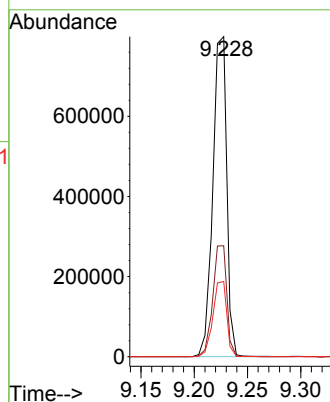
Tgt Ion:172 Resp: 729757

Ion Ratio Lower Upper

172 100

171 34.7 27.9 41.9

170 23.5 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 8.088 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.206 min

Lab File: BF131791.D

Acq: 22 Dec 2022 22:57

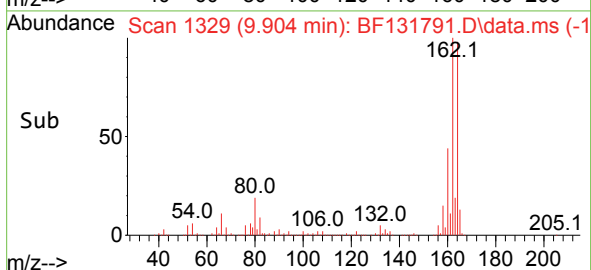
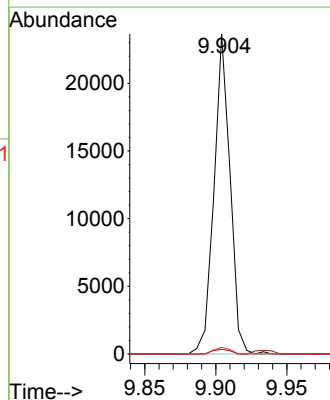
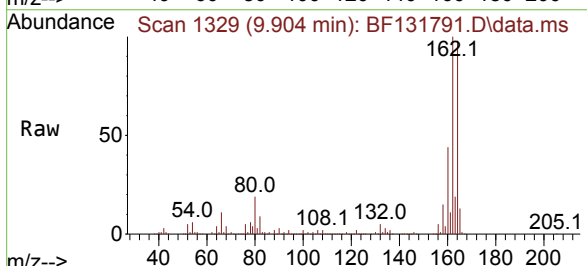
Tgt Ion:165 Resp: 18611

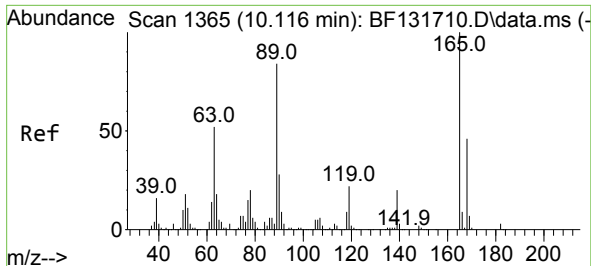
Ion Ratio Lower Upper

165 100

63 1.4 51.8 77.8#

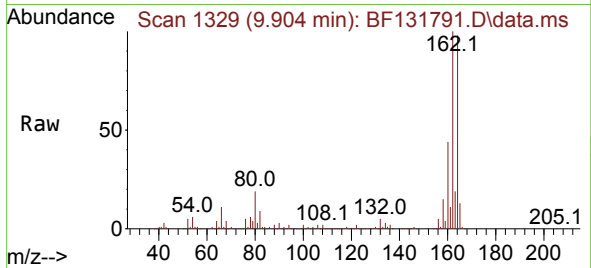
89 2.0 53.2 79.8#



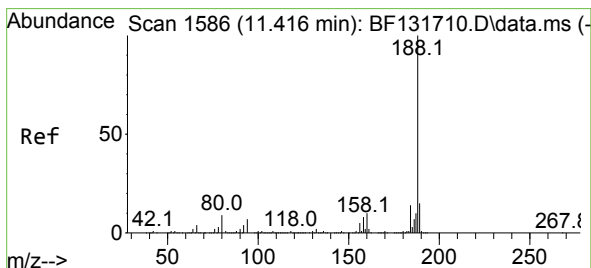
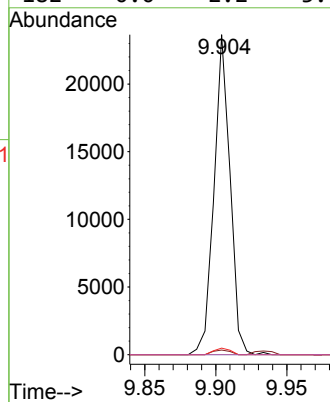
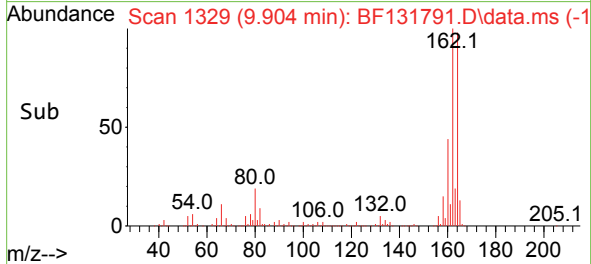


#57
2,4-Dinitrotoluene
Concen: 6.019 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

Instrument :
BNA_F
ClientSampleId :
COMP-3050

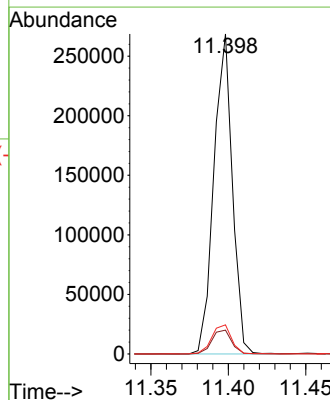
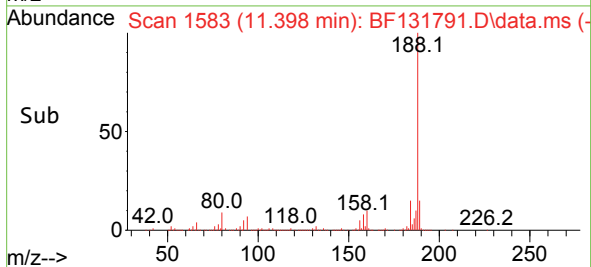
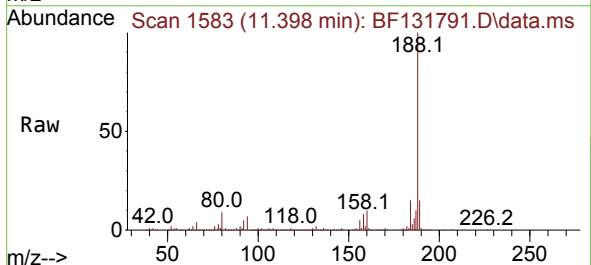


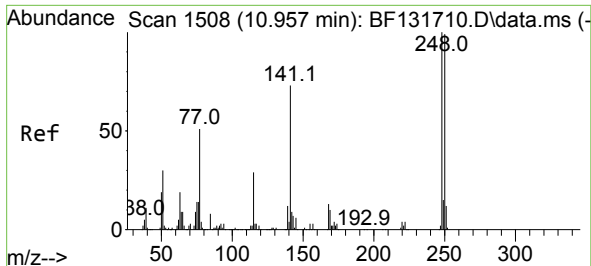
Tgt Ion:165 Resp: 18611
Ion Ratio Lower Upper
165 100
63 1.4 41.5 62.3#
89 2.0 67.0 100.4#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

Tgt Ion:188 Resp: 222663
Ion Ratio Lower Upper
188 100
94 7.5 5.9 8.9
80 9.1 7.0 10.6

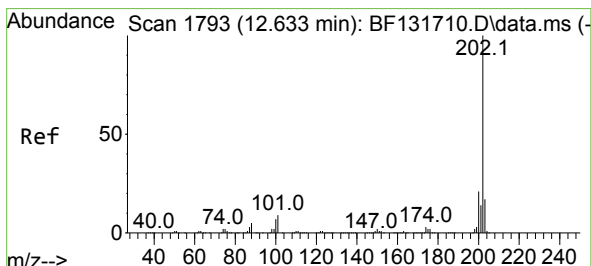
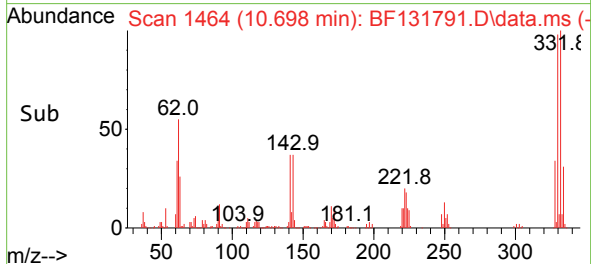
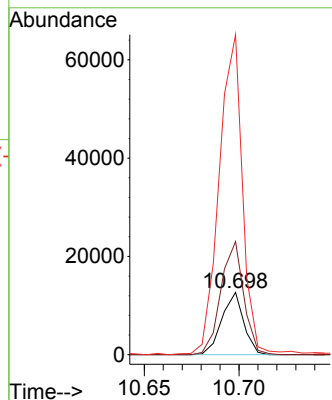
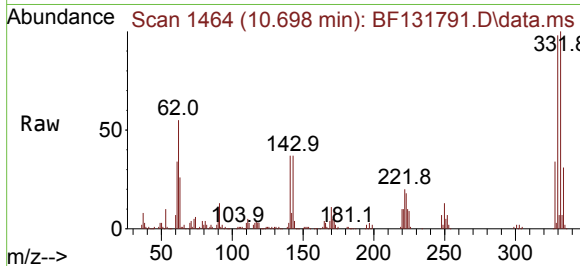




#67
4-Bromophenyl-phenylether
Concen: 3.882 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.247 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

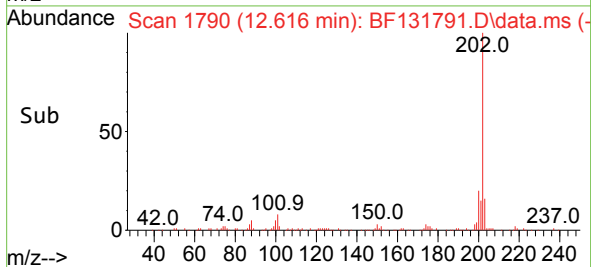
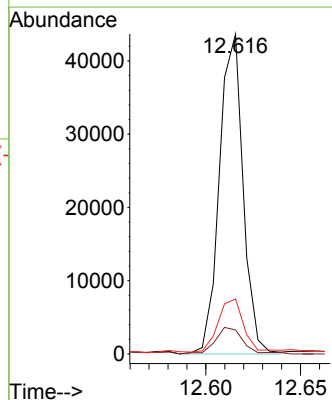
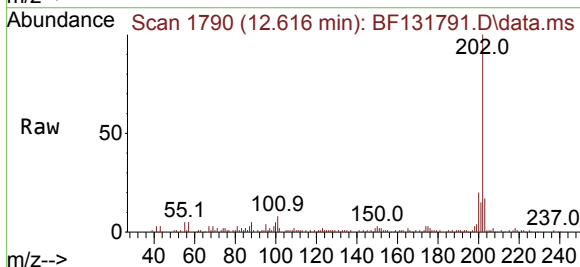
Instrument :
BNA_F
ClientSampleId :
COMP-3050

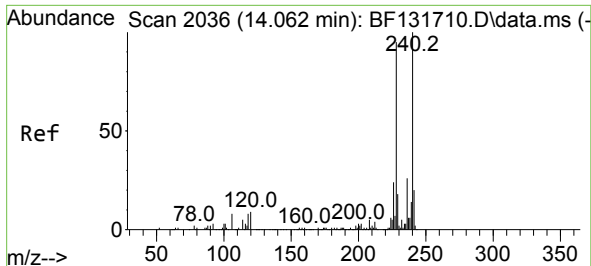
Tgt Ion:248 Resp: 10209
Ion Ratio Lower Upper
248 100
250 181.9 79.4 119.0#
141 514.5 58.1 87.1#



#75
Fluoranthene
Concen: 2.811 ng
RT: 12.616 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

Tgt Ion:202 Resp: 38008
Ion Ratio Lower Upper
202 100
101 9.4 0.0 28.8
203 17.2 0.0 37.1

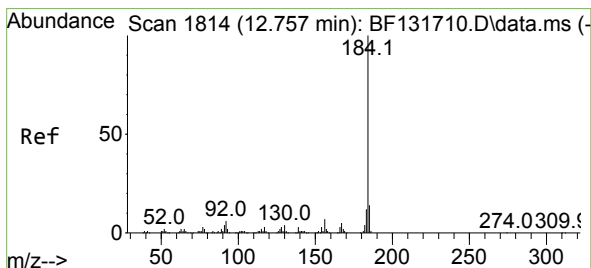
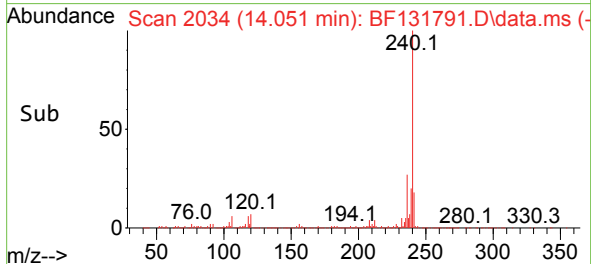
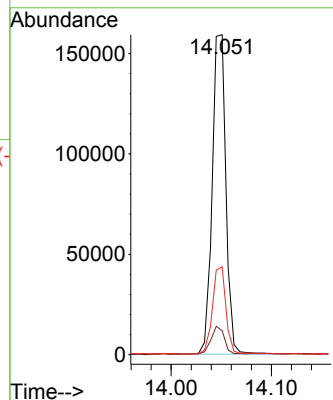
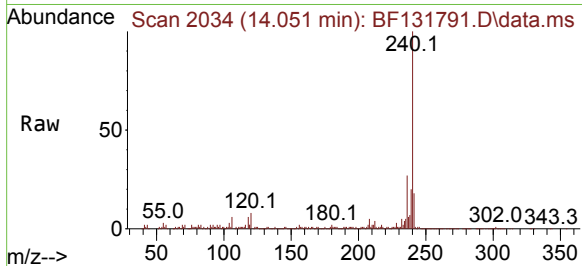




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2036
Delta R.T. -0.000 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

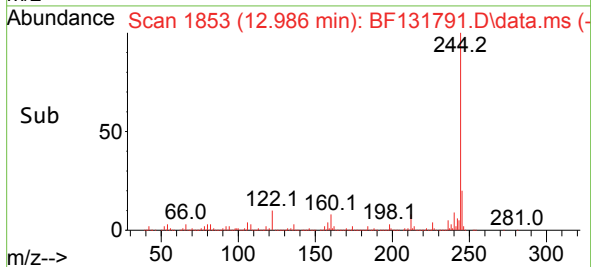
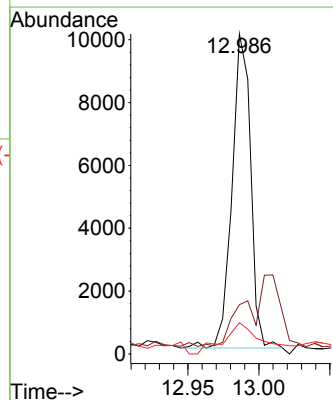
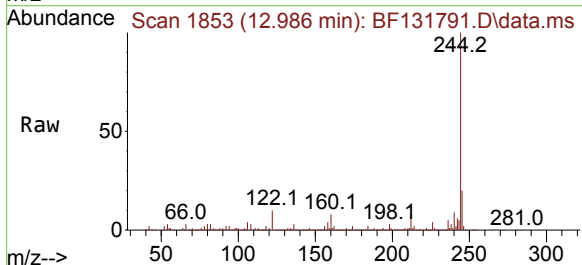
Instrument :
BNA_F
ClientSampleId :
COMP-3050

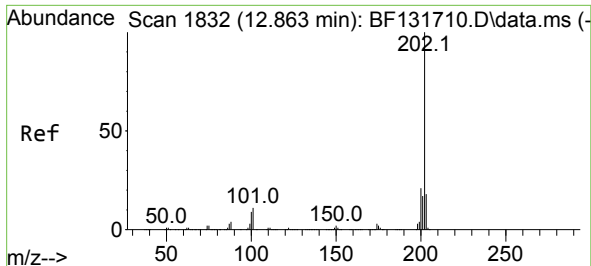
Tgt Ion:240 Resp: 151644
Ion Ratio Lower Upper
240 100
120 7.5 7.6 11.4#
236 27.4 21.2 31.8



#77
Benzidine
Concen: 3.274 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.247 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

Tgt Ion:184 Resp: 9104
Ion Ratio Lower Upper
184 100
185 15.4 11.3 16.9
183 9.8 9.3 13.9

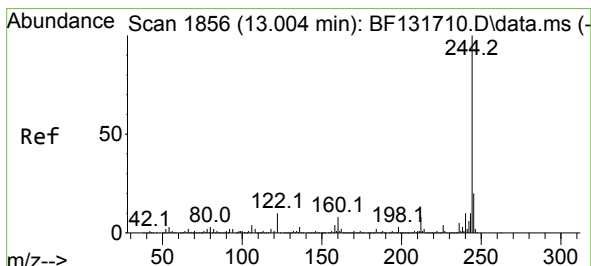
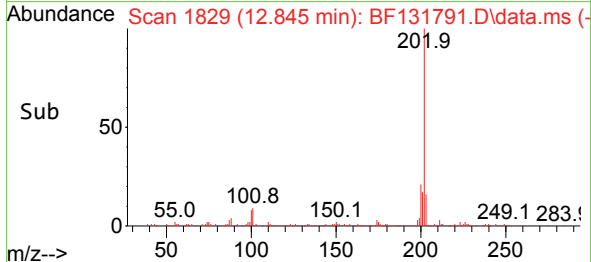
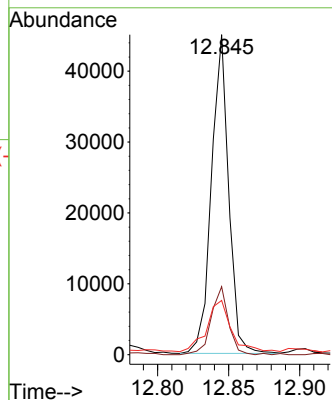
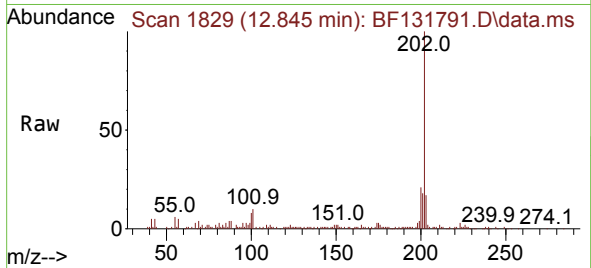




#78
 Pyrene
 Concen: 2.756 ng
 RT: 12.845 min Scan# 1829
 Delta R.T. -0.006 min
 Lab File: BF131791.D
 Acq: 22 Dec 2022 22:57

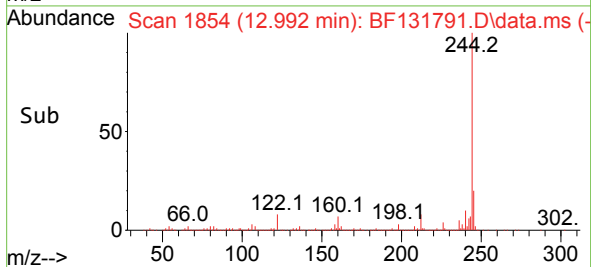
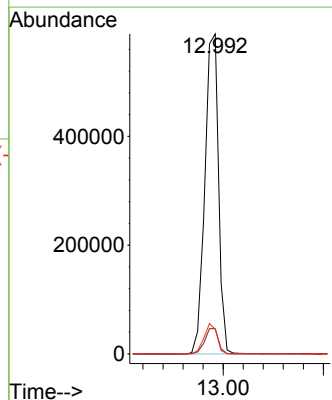
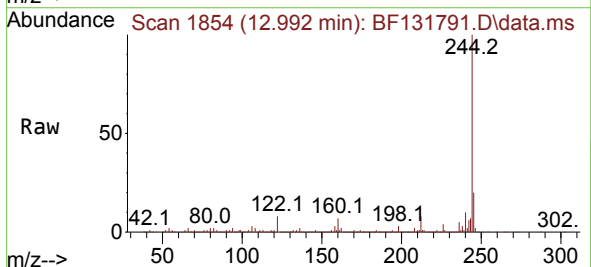
Instrument :
 BNA_F
 ClientSampleId :
 COMP-3050

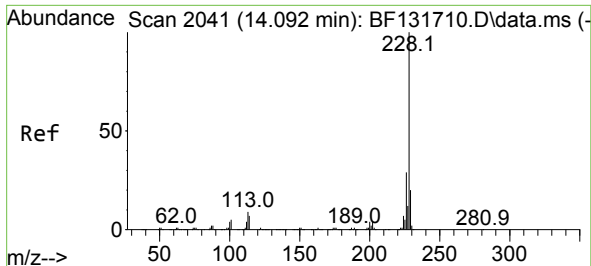
Tgt Ion:202 Resp: 38002
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.1 25.7
 203 16.9 14.1 21.1



#79
 Terphenyl-d14
 Concen: 57.662 ng
 RT: 12.992 min Scan# 1854
 Delta R.T. -0.000 min
 Lab File: BF131791.D
 Acq: 22 Dec 2022 22:57

Tgt Ion:244 Resp: 561052
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.5 9.7
 122 7.7 7.7 11.5

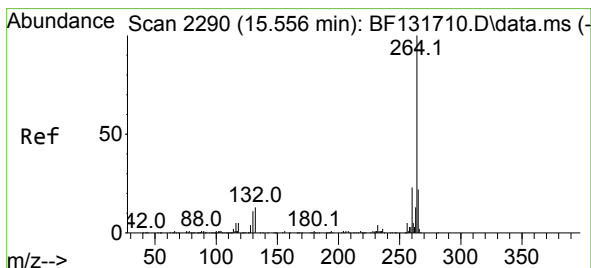
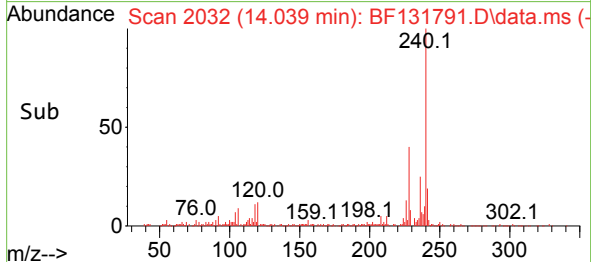
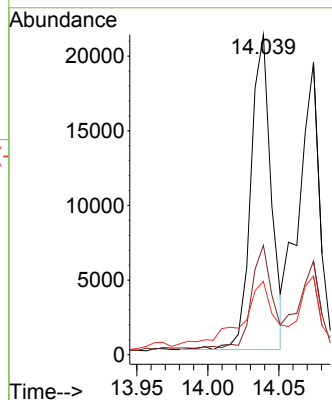
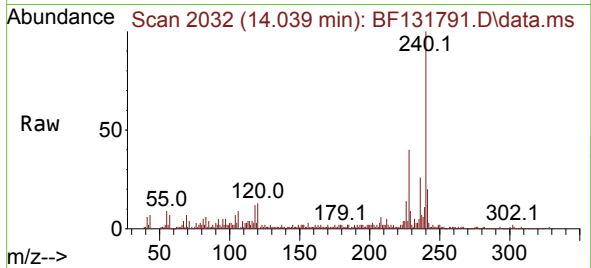




#83
Chrysene
Concen: 2.038 ng
RT: 14.039 min Scan# 2041
Delta R.T. -0.035 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

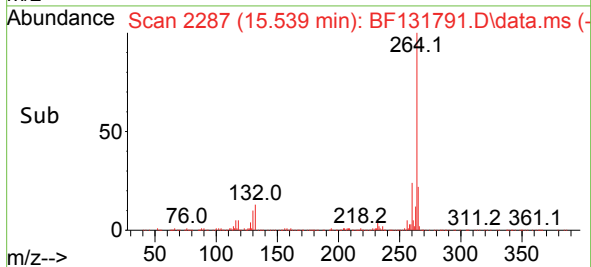
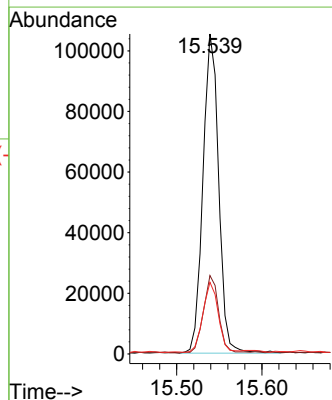
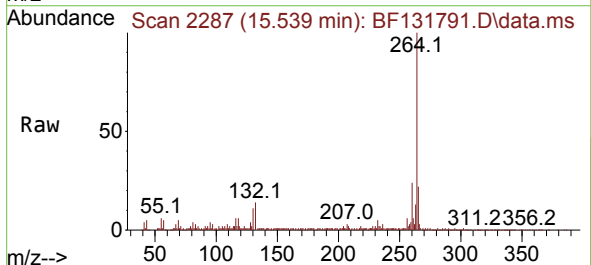
Instrument :
BNA_F
ClientSampleId :
COMP-3050

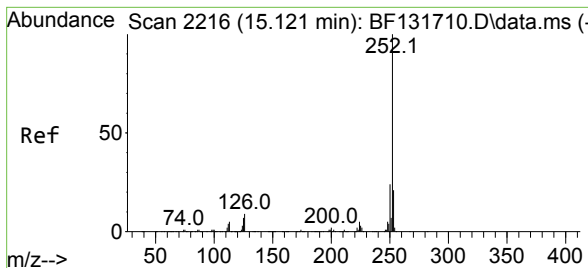
Tgt Ion:228 Resp: 21010
Ion Ratio Lower Upper
228 100
226 34.2 23.5 35.3
229 22.9 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. 0.006 min
Lab File: BF131791.D
Acq: 22 Dec 2022 22:57

Tgt Ion:264 Resp: 135390
Ion Ratio Lower Upper
264 100
260 24.5 18.6 28.0
265 22.4 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 3.299 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.000 min

Lab File: BF131791.D

Acq: 22 Dec 2022 22:57

Instrument :

BNA_F

ClientSampleId :

COMP-3050

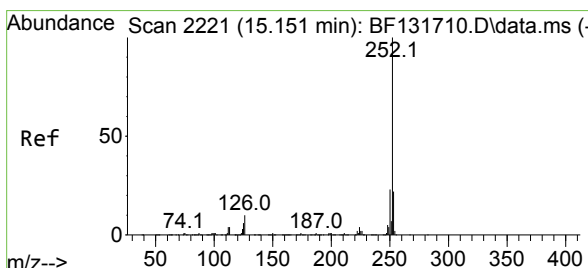
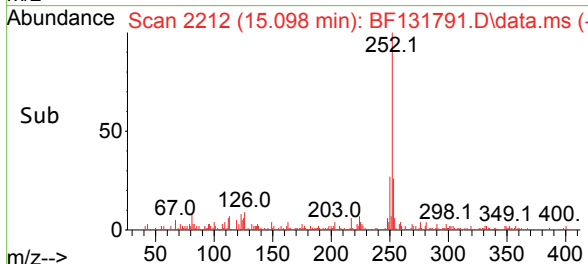
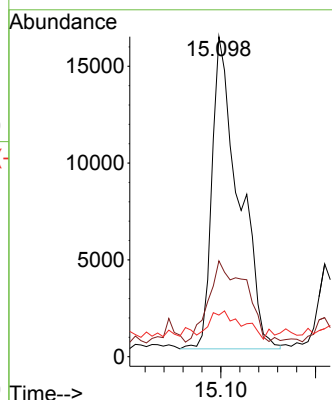
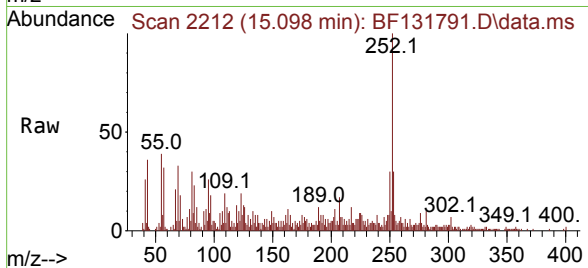
Tgt Ion:252 Resp: 31604

Ion Ratio Lower Upper

252 100

253 29.9 17.2 25.8#

125 13.0 5.5 8.3#



#89

Benzo(k)fluoranthene

Concen: 3.382 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.029 min

Lab File: BF131791.D

Acq: 22 Dec 2022 22:57

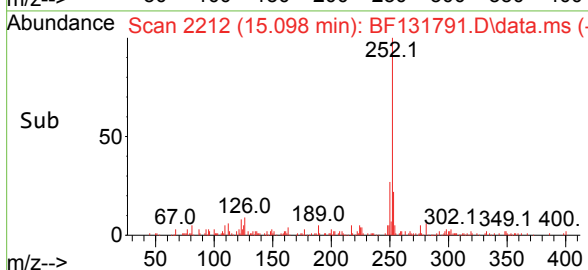
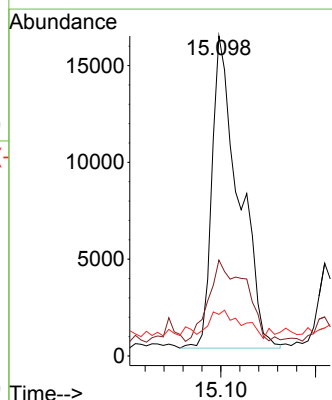
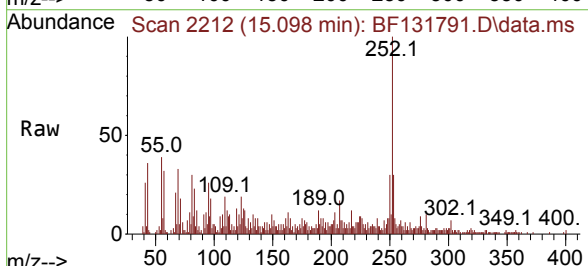
Tgt Ion:252 Resp: 31614

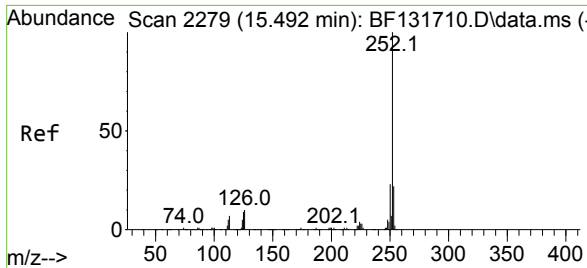
Ion Ratio Lower Upper

252 100

253 29.9 17.8 26.8#

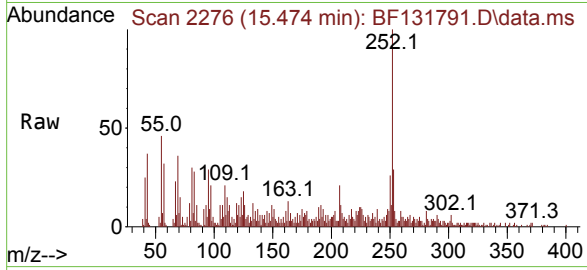
125 13.0 5.2 7.8#





#90
 Benzo(a)pyrene
 Concen: 2.324 ng
 RT: 15.474 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF131791.D
 Acq: 22 Dec 2022 22:57

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3050



Tgt Ion:252 Resp: 17633
 Ion Ratio Lower Upper
 252 100
 253 29.3 17.5 26.3#
 125 18.4 7.0 10.4#

