

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131789.D
 Acq On : 22 Dec 2022 21:51
 Operator : CG\JU
 Sample : N6183-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-3

Quant Time: Dec 23 03:35:45 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)

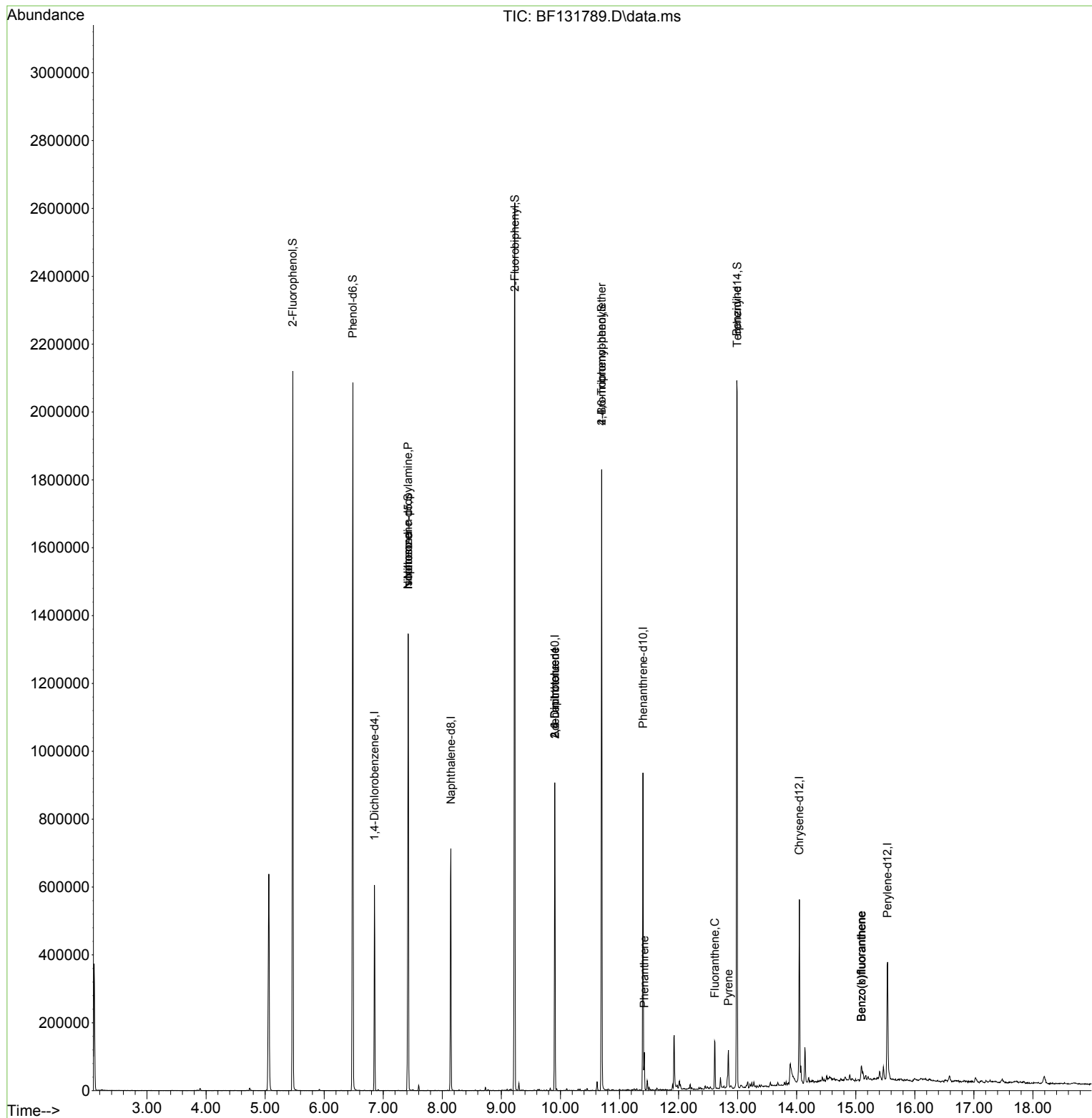
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	80374	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	287019	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	165181	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	301822	20.000	ng	0.00
76) Chrysene-d12	14.045	240	154887	20.000	ng	0.00
86) Perylene-d12	15.539	264	166642	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	494378	103.575	ng	0.01
7) Phenol-d6	6.487	99	650222	101.210	ng	0.00
23) Nitrobenzene-d5	7.422	82	456163	64.520	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	178665	98.821	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	798424	67.711	ng	0.00
79) Terphenyl-d14	12.992	244	732679	73.725	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.410	77	86	Below Cal	#	5
19) n-Nitroso-di-n-propyla...	7.422	70	64753	13.975	ng	# 80
25) Isophorone	7.422	82	454444	37.849	ng	# 70
51) 2,6-Dinitrotoluene	9.904	165	21716	8.126	ng	# 19
57) 2,4-Dinitrotoluene	9.904	165	21716	6.047	ng	# 18
67) 4-Bromophenyl-phenylether	10.698	248	12499	3.506	ng	# 1
71) Phenanthrene	11.422	178	34808	2.115	ng	96
75) Fluoranthene	12.616	202	57698	3.148	ng	98
77) Benzidine	12.986	184	11714	4.124	ng	# 93
78) Pyrene	12.845	202	45827	3.254	ng	98
88) Benzo(b)fluoranthene	15.098	252	29019	2.461	ng	# 91
89) Benzo(k)fluoranthene	15.098	252	29019	2.522	ng	# 92

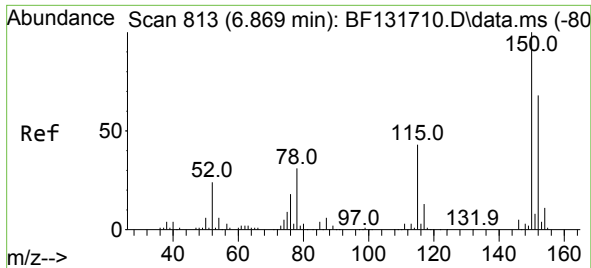
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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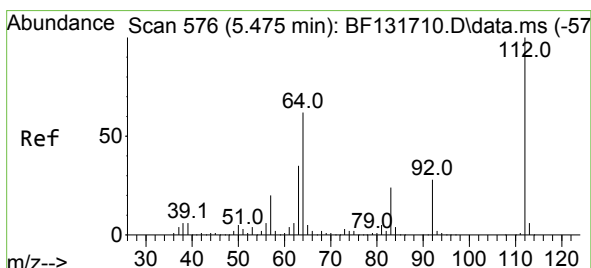
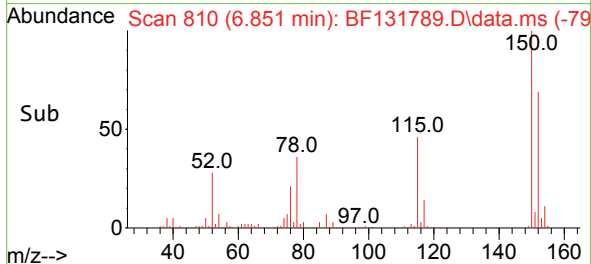
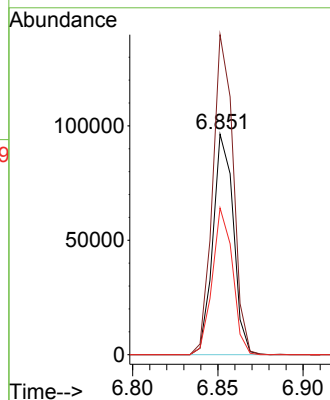
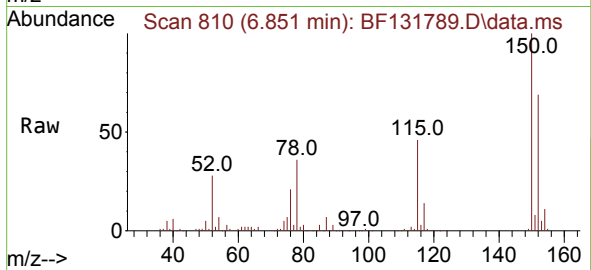




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

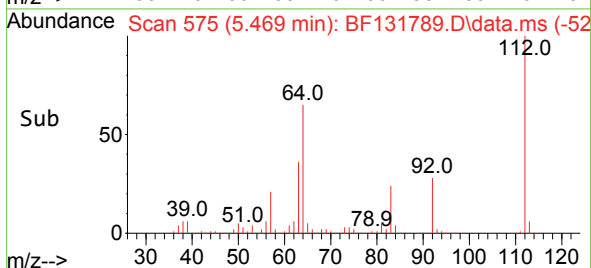
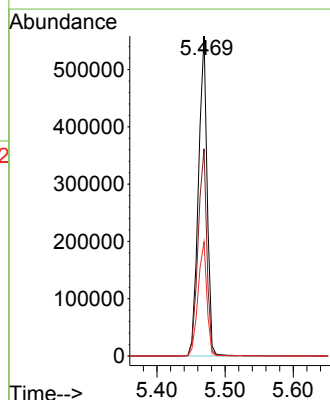
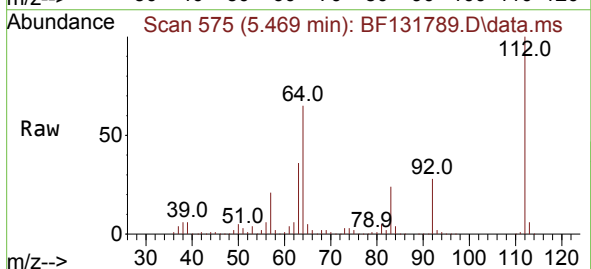
Instrument :
BNA_F
ClientSampleId :
R-3

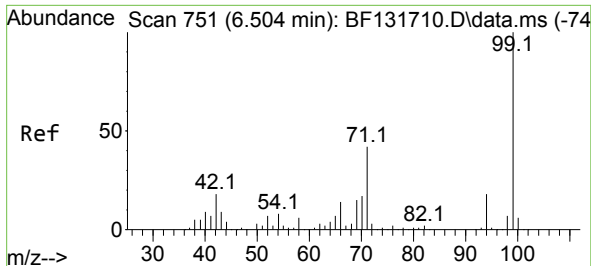
Tgt Ion:152 Resp: 80374
Ion Ratio Lower Upper
152 100
150 145.2 117.4 176.0
115 66.6 50.2 75.4



#5
2-Fluorophenol
Concen: 103.575 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

Tgt Ion:112 Resp: 494378
Ion Ratio Lower Upper
112 100
64 64.7 49.5 74.3
63 35.6 28.2 42.2

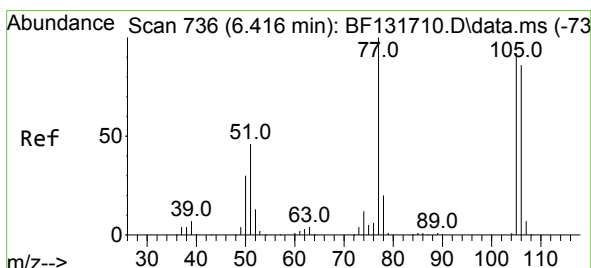
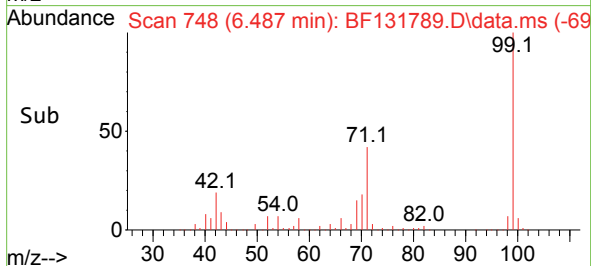
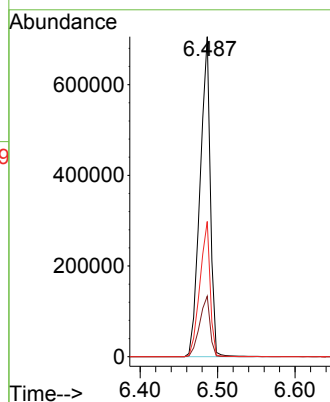
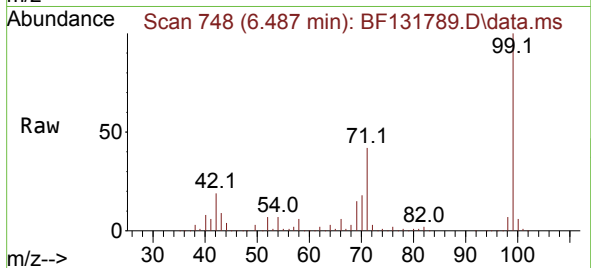




#7
Phenol-d6
Concen: 101.210 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

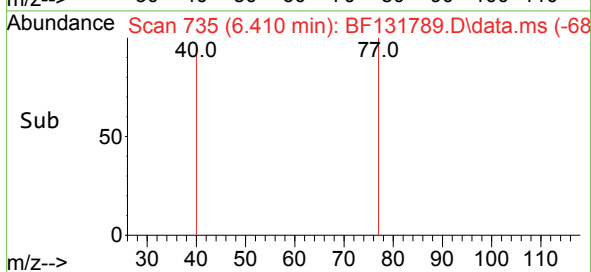
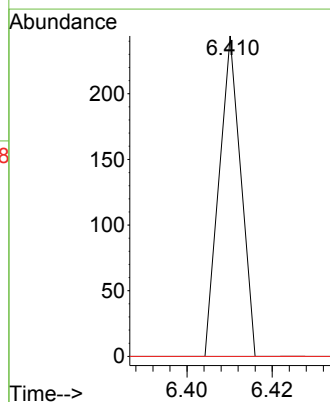
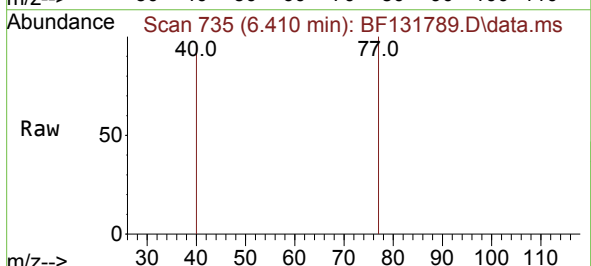
Instrument :
BNA_F
ClientSampleId :
R-3

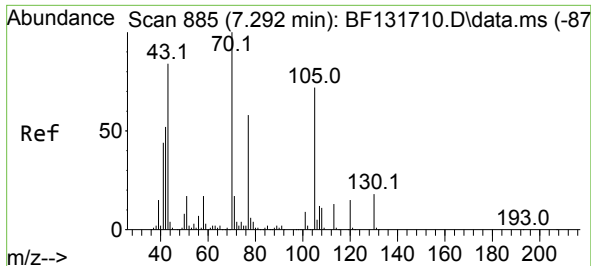
Tgt Ion: 99 Resp: 650222
Ion Ratio Lower Upper
99 100
42 18.9 14.8 22.2
71 42.2 33.8 50.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.410 min Scan# 735
Delta R.T. 0.006 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

Tgt Ion: 77 Resp: 86
Ion Ratio Lower Upper
77 100
105 0.0 72.4 112.4#
106 0.0 66.5 106.5#

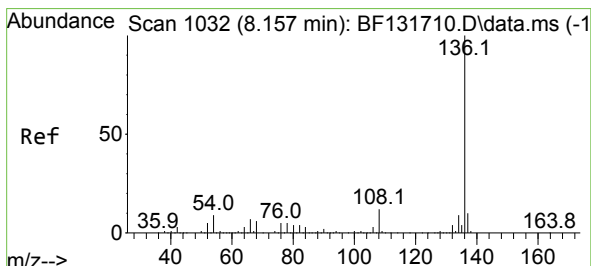
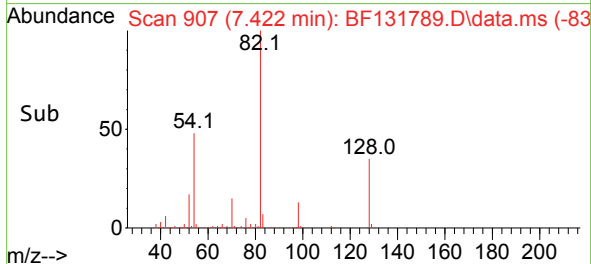
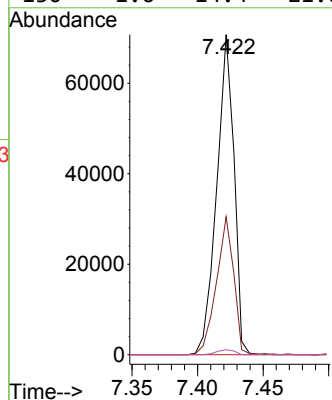
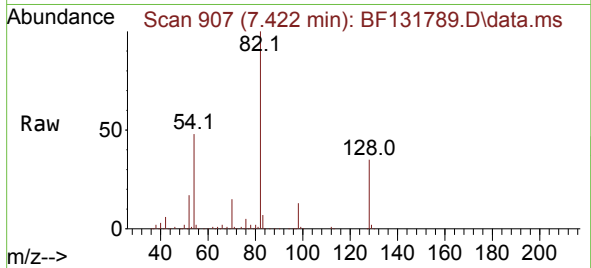




#19
n-Nitroso-di-n-propylamine
Concen: 13.975 ng
RT: 7.422 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

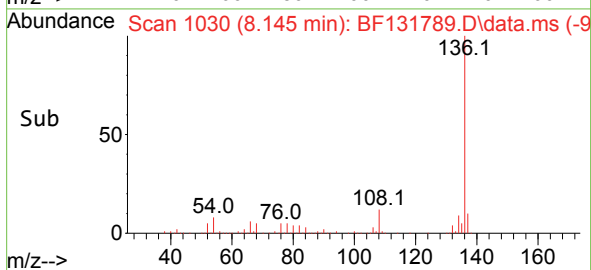
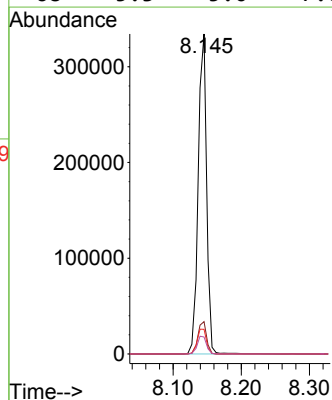
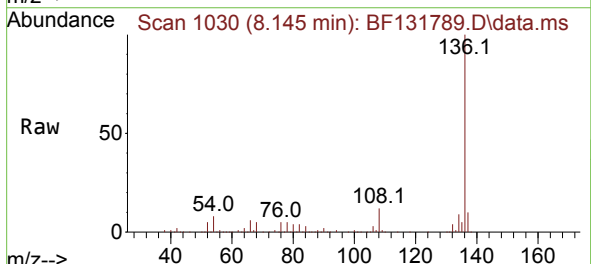
Instrument :
BNA_F
ClientSampleId :
R-3

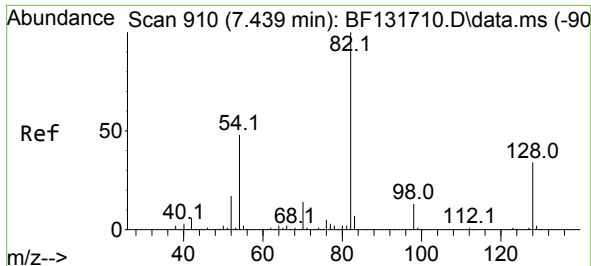
Tgt Ion: 70 Resp: 64753
Ion Ratio Lower Upper
70 100
42 43.1 41.5 62.3
101 0.0 7.3 10.9#
130 1.6 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

Tgt Ion: 136 Resp: 287019
Ion Ratio Lower Upper
136 100
137 10.1 8.4 12.6
54 7.7 7.2 10.8
68 5.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 64.520 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF131789.D

Acq: 22 Dec 2022 21:51

Instrument :

BNA_F

ClientSampleId :

R-3

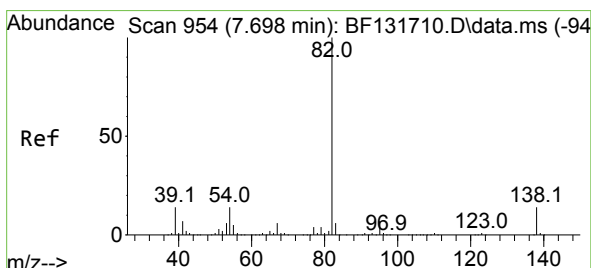
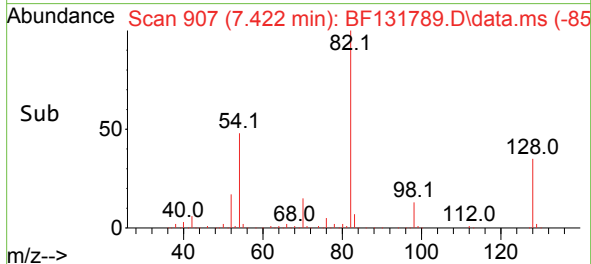
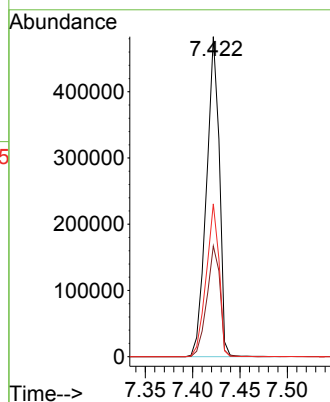
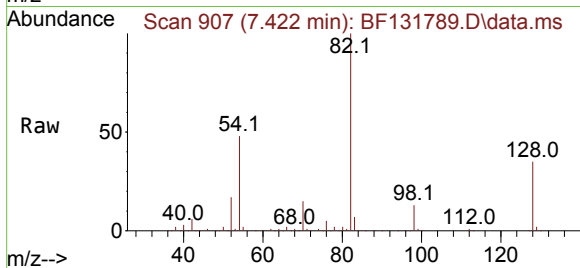
Tgt Ion: 82 Resp: 456163

Ion Ratio Lower Upper

82 100

128 34.6 27.3 40.9

54 47.7 38.2 57.2



#25

Isophorone

Concen: 37.849 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.265 min

Lab File: BF131789.D

Acq: 22 Dec 2022 21:51

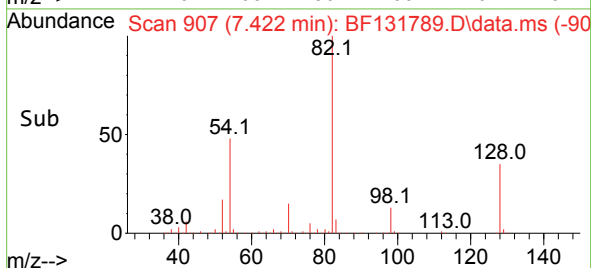
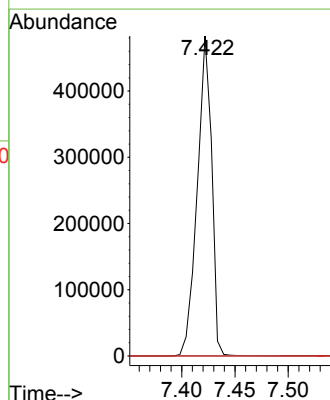
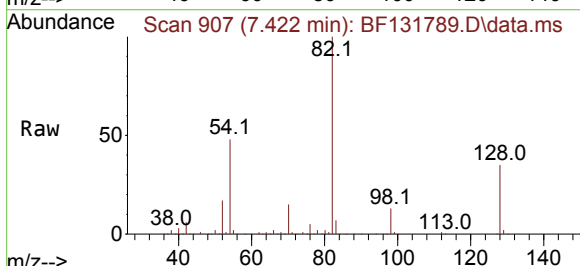
Tgt Ion: 82 Resp: 454444

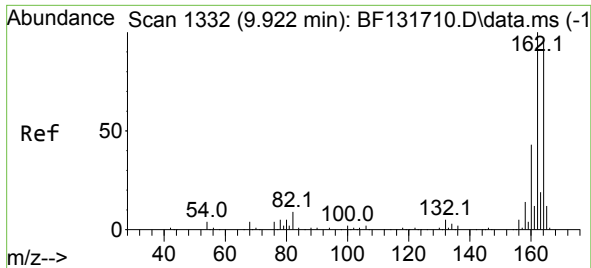
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 11.6 17.4#

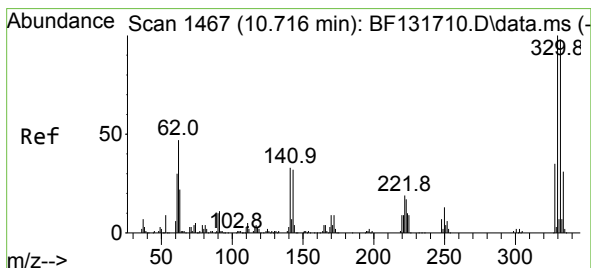
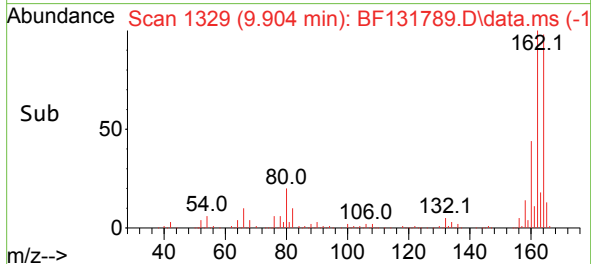
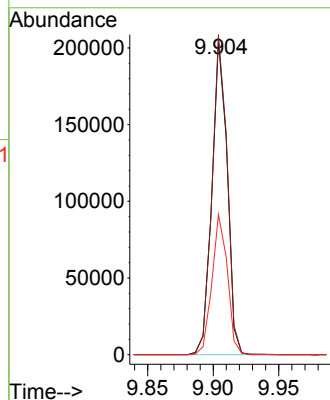
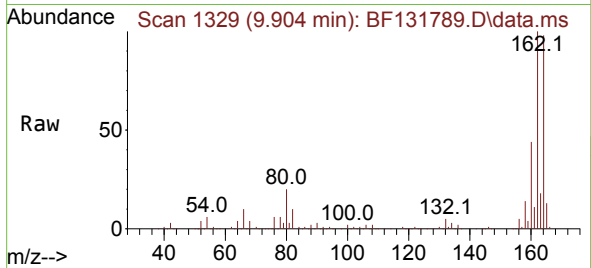




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

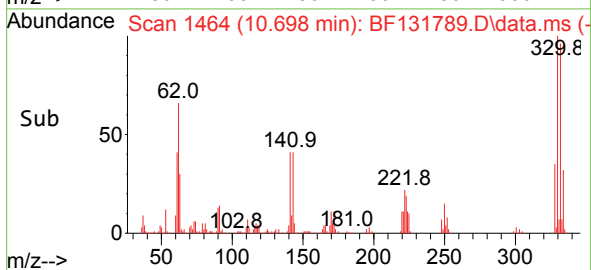
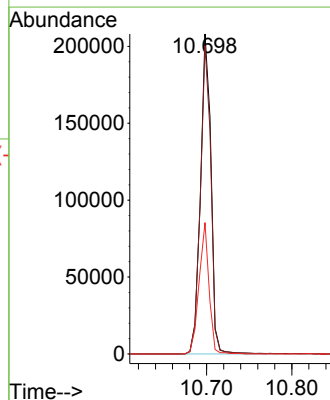
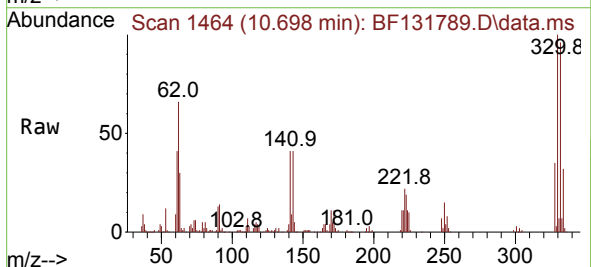
Instrument :
BNA_F
ClientSampleId :
R-3

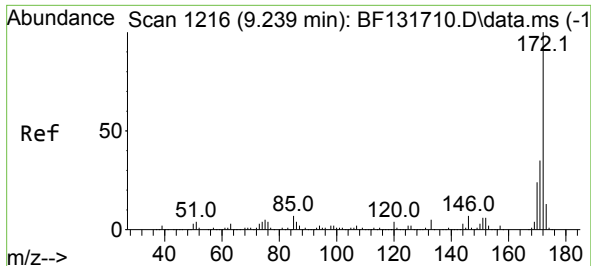
Tgt Ion:164 Resp: 165181
Ion Ratio Lower Upper
164 100
162 101.9 83.7 125.5
160 44.6 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 98.821 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

Tgt Ion:330 Resp: 178665
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 38.9 30.4 45.6

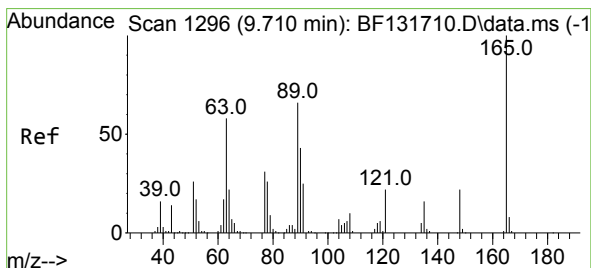
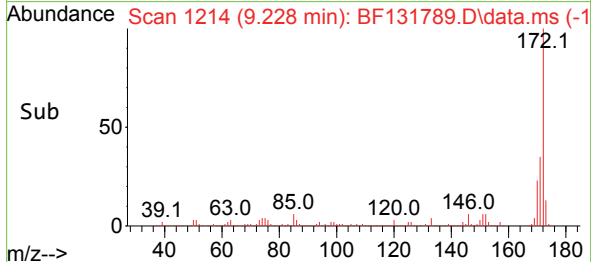
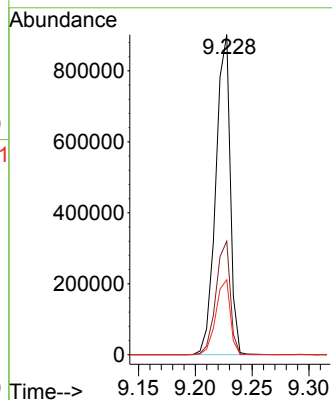
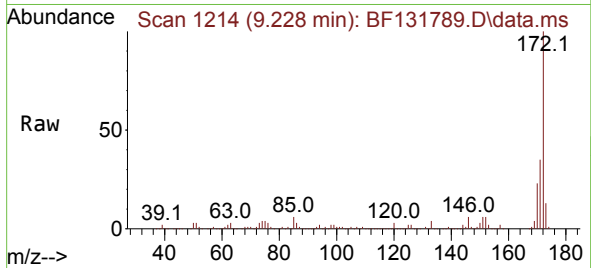




#45
2-Fluorobiphenyl
Concen: 67.711 ng
RT: 9.228 min Scan# 1314
Delta R.T. -0.000 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

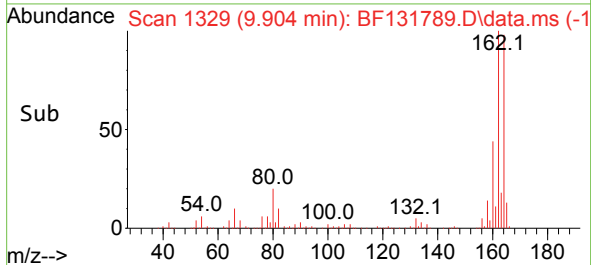
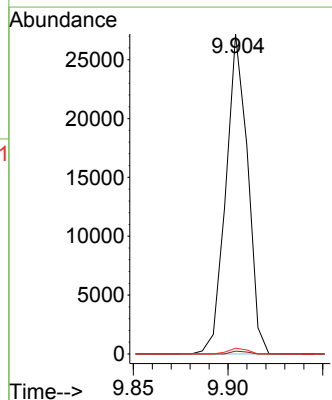
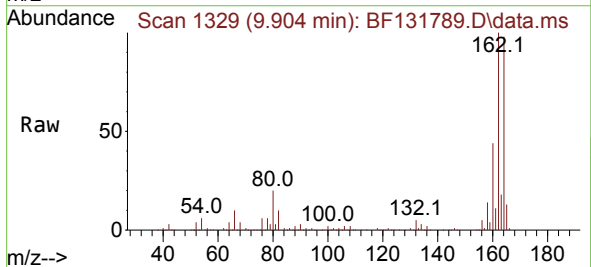
Instrument :
BNA_F
ClientSampleId :
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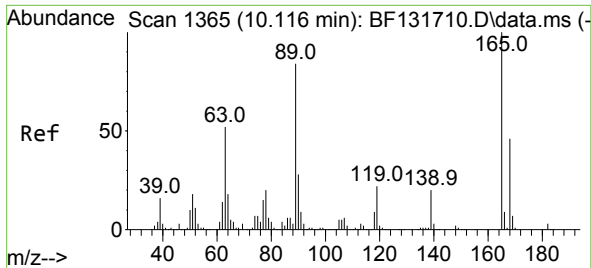
Tgt Ion:172 Resp: 798424
Ion Ratio Lower Upper
172 100
171 35.5 27.9 41.9
170 23.4 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 8.126 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.206 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

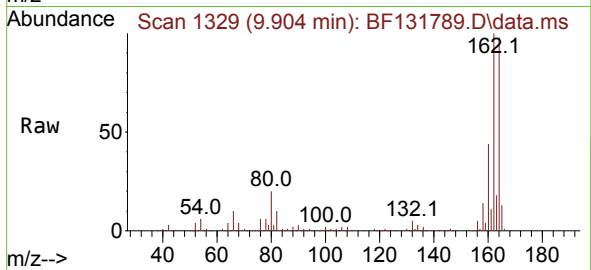
Tgt Ion:165 Resp: 21716
Ion Ratio Lower Upper
165 100
63 0.9 51.8 77.8#
89 1.8 53.2 79.8#



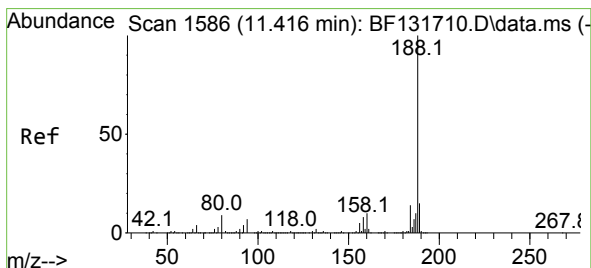
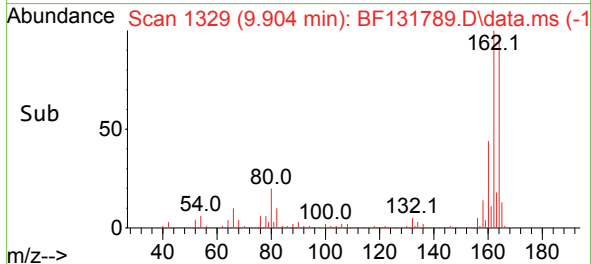
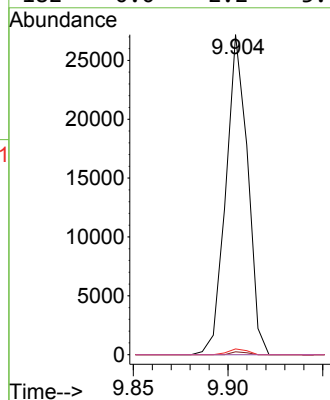


#57
2,4-Dinitrotoluene
Concen: 6.047 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

Instrument :
BNA_F
ClientSampleId :
R-3

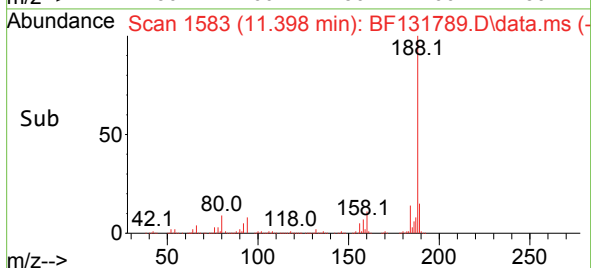
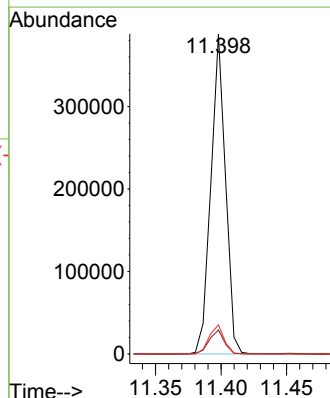
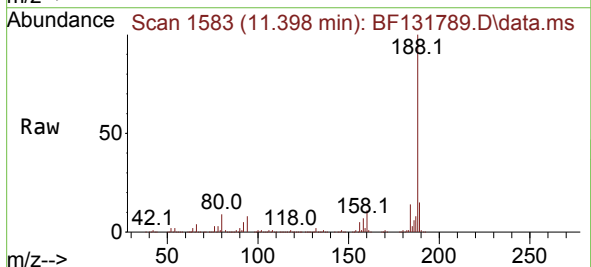


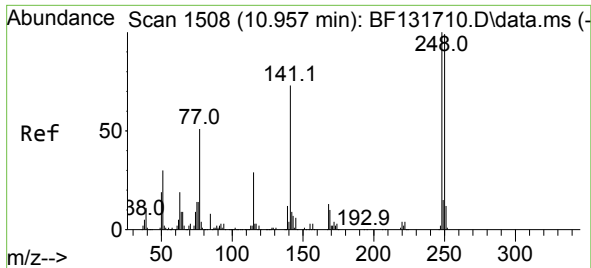
Tgt Ion:165 Resp: 21716
Ion Ratio Lower Upper
165 100
63 0.9 41.5 62.3#
89 1.8 67.0 100.4#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

Tgt Ion:188 Resp: 301822
Ion Ratio Lower Upper
188 100
94 7.5 5.9 8.9
80 9.1 7.0 10.6

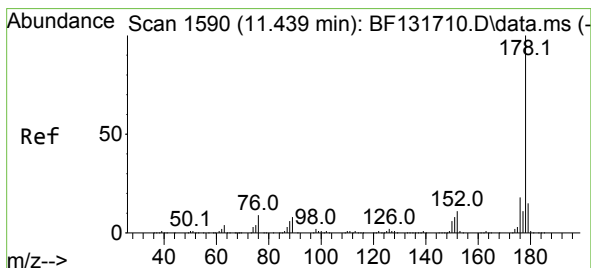
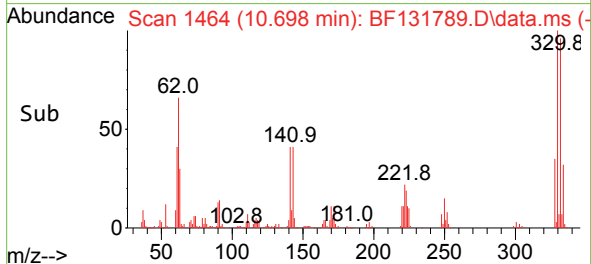
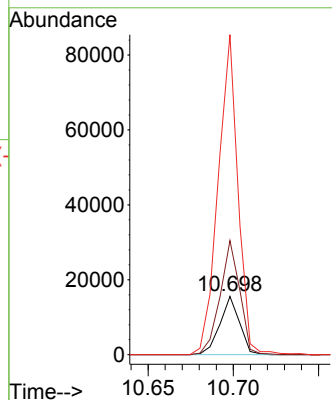
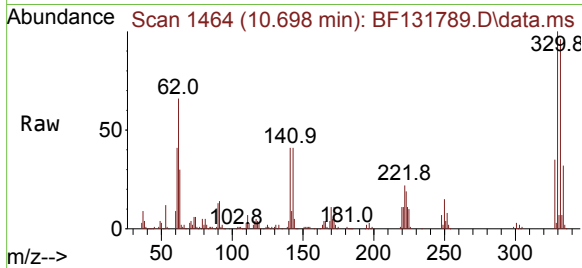




#67
4-Bromophenyl-phenylether
Concen: 3.506 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.247 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

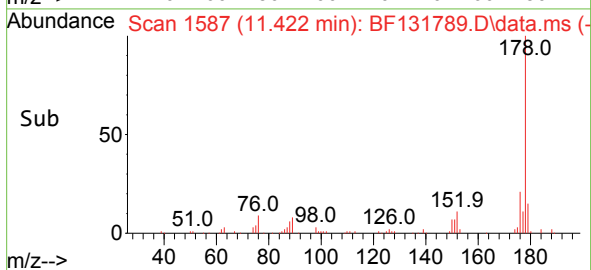
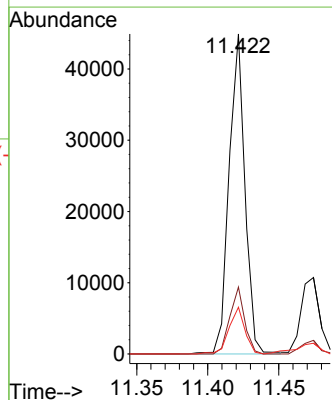
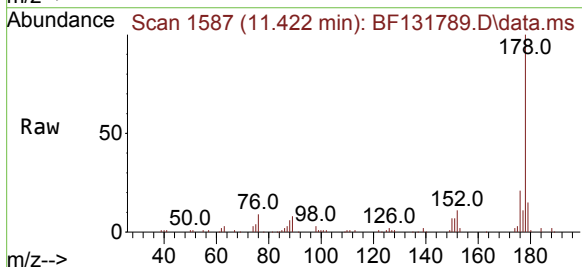
Instrument :
BNA_F
ClientSampleId :
R-3

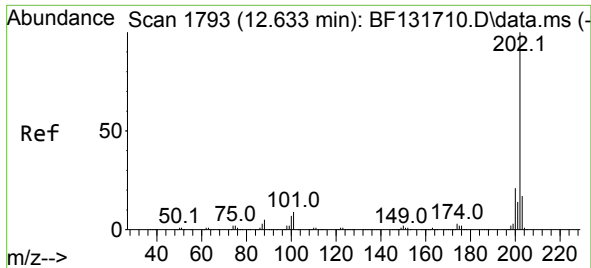
Tgt Ion:248 Resp: 12499
Ion Ratio Lower Upper
248 100
250 195.7 79.4 119.0#
141 549.4 58.1 87.1#



#71
Phenanthrene
Concen: 2.115 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

Tgt Ion:178 Resp: 34808
Ion Ratio Lower Upper
178 100
176 20.9 14.8 22.2
179 14.6 12.2 18.4

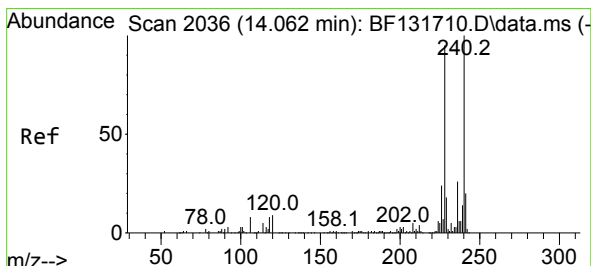
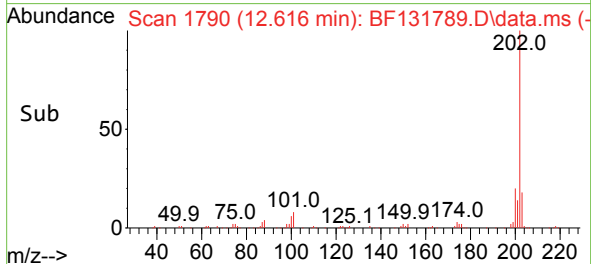
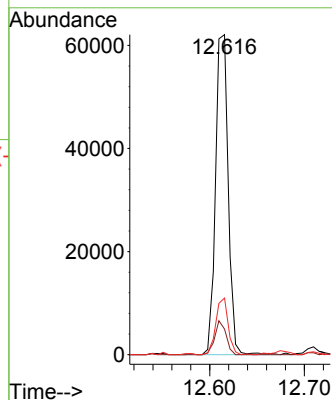
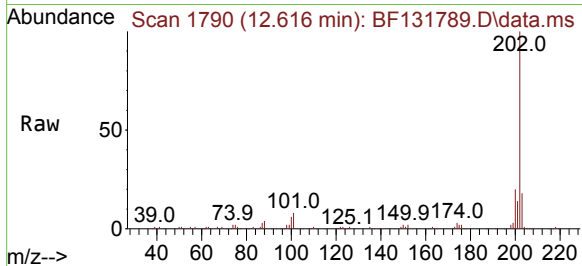




#75
Fluoranthene
Concen: 3.148 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

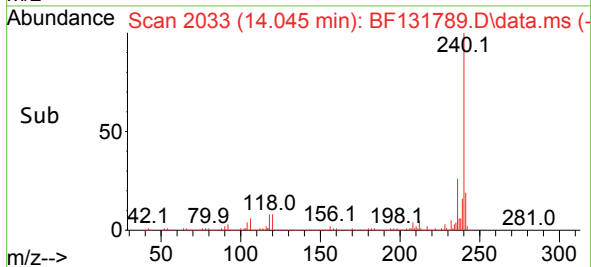
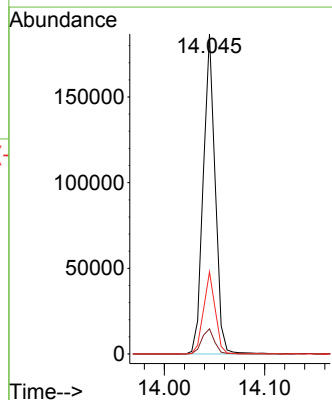
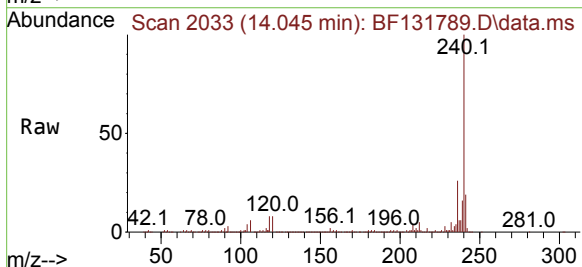
Instrument :
BNA_F
ClientSampleId :
R-3

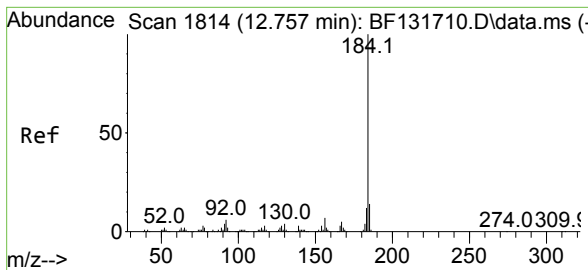
Tgt Ion:202 Resp: 57698
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.8
203 17.7 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

Tgt Ion:240 Resp: 154887
Ion Ratio Lower Upper
240 100
120 7.8 7.6 11.4
236 25.6 21.2 31.8





#77

Benzidine

Concen: 4.124 ng

RT: 12.986 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF131789.D

Acq: 22 Dec 2022 21:51

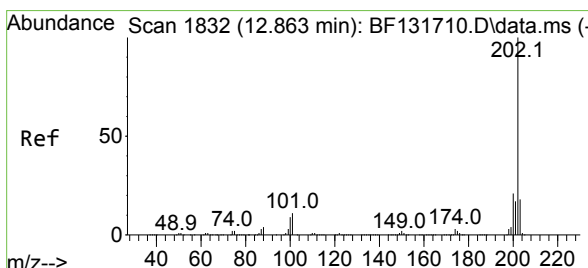
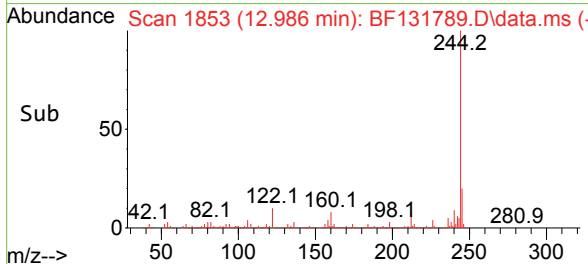
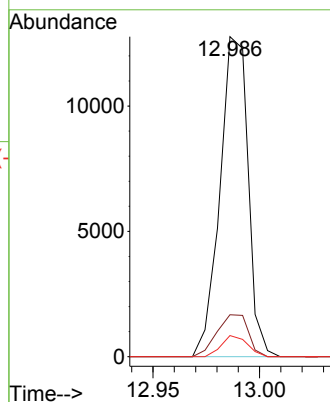
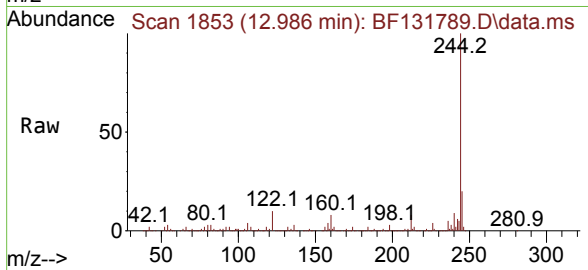
Instrument :

BNA_F

ClientSampleId :

R-3

Tgt Ion:184	Resp:	11714
Ion Ratio	Lower	Upper
184	100	
185	13.1	11.3 16.9
183	6.6	9.3 13.9#



#78

Pyrene

Concen: 3.254 ng

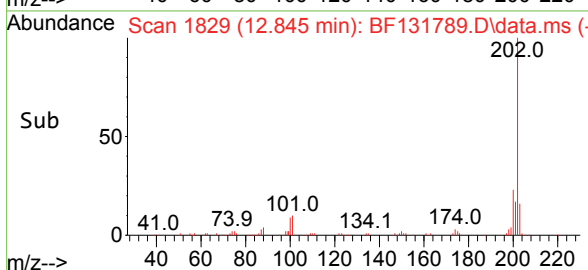
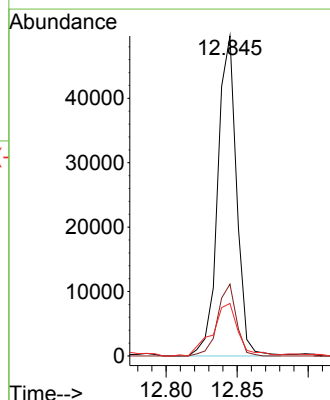
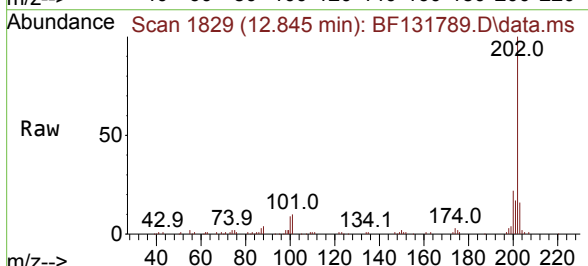
RT: 12.845 min Scan# 1829

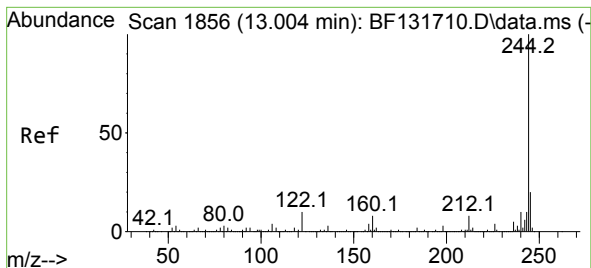
Delta R.T. -0.006 min

Lab File: BF131789.D

Acq: 22 Dec 2022 21:51

Tgt Ion:202	Resp:	45827
Ion Ratio	Lower	Upper
202	100	
200	22.5	17.1 25.7
203	16.4	14.1 21.1





#79

Terphenyl-d14

Concen: 73.725 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.000 min

Lab File: BF131789.D

Acq: 22 Dec 2022 21:51

Instrument :

BNA_F

ClientSampleId :

R-3

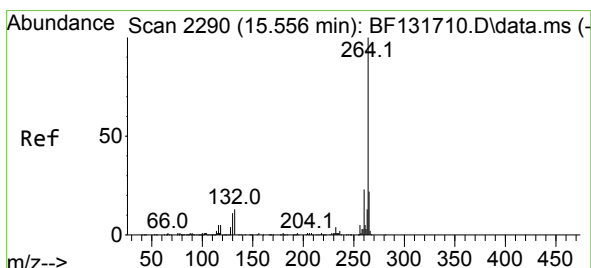
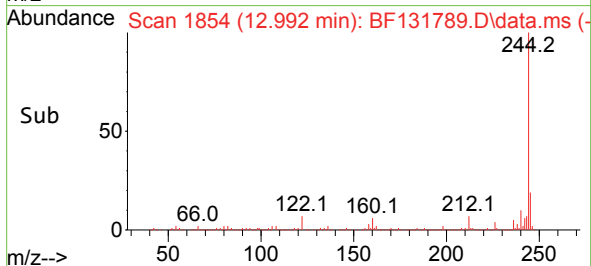
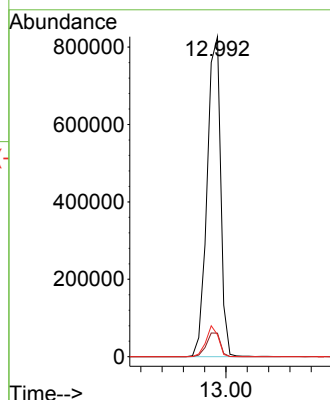
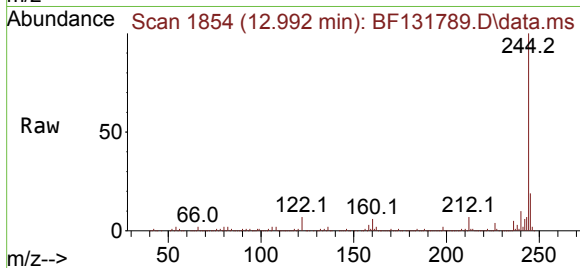
Tgt Ion:244 Resp: 732679

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

122 6.8 7.7 11.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2287

Delta R.T. 0.006 min

Lab File: BF131789.D

Acq: 22 Dec 2022 21:51

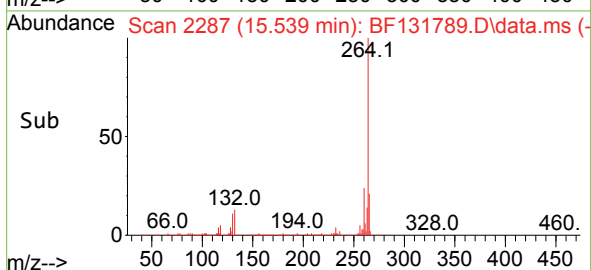
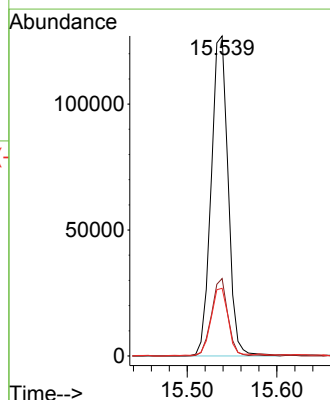
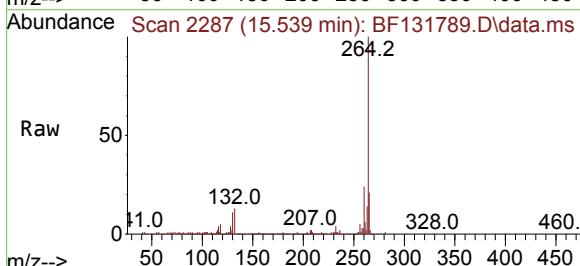
Tgt Ion:264 Resp: 166642

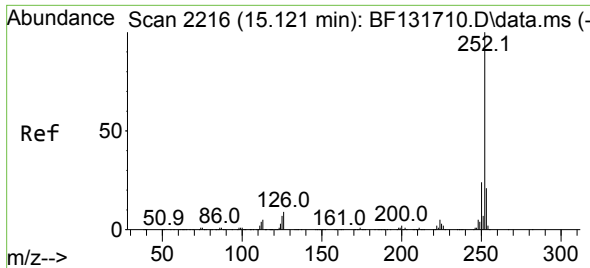
Ion Ratio Lower Upper

264 100

260 24.2 18.6 28.0

265 21.2 17.4 26.2

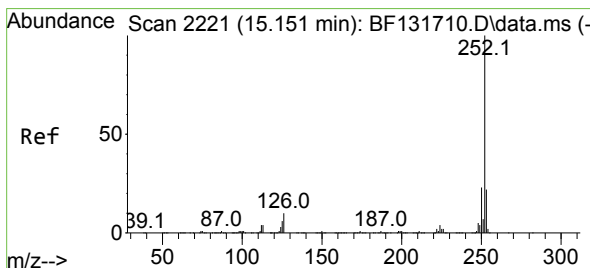
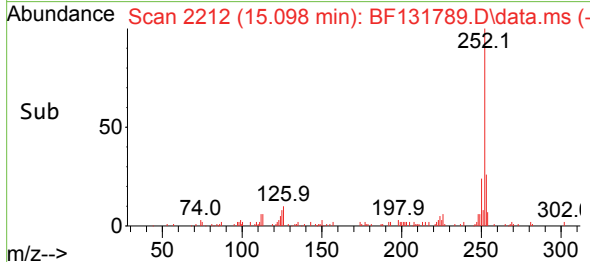
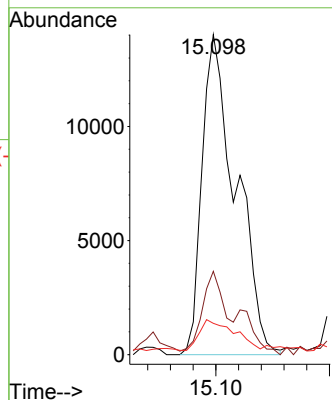
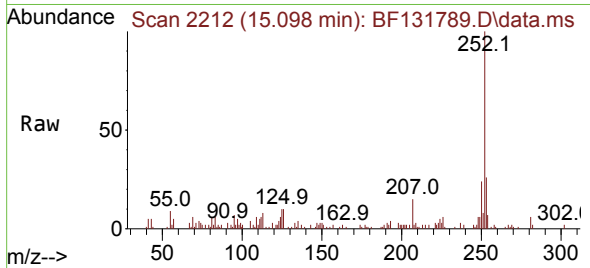




#88
Benzo(b)fluoranthene
Concen: 2.461 ng
RT: 15.098 min Scan# 2112
Delta R.T. -0.000 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

Instrument :
BNA_F
ClientSampleId :
R-3

Tgt Ion:252 Resp: 29019
Ion Ratio Lower Upper
252 100
253 26.1 17.2 25.8#
125 9.8 5.5 8.3#



#89
Benzo(k)fluoranthene
Concen: 2.522 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.030 min
Lab File: BF131789.D
Acq: 22 Dec 2022 21:51

Tgt Ion:252 Resp: 29019
Ion Ratio Lower Upper
252 100
253 26.1 17.8 26.8
125 9.8 5.2 7.8#

