

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122922\
 Data File : BF131889.D
 Acq On : 29 Dec 2022 21:00
 Operator : CG\JU
 Sample : N6228-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Dec 30 02:12:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 02:06:40 2022
 Response via : Initial Calibration

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

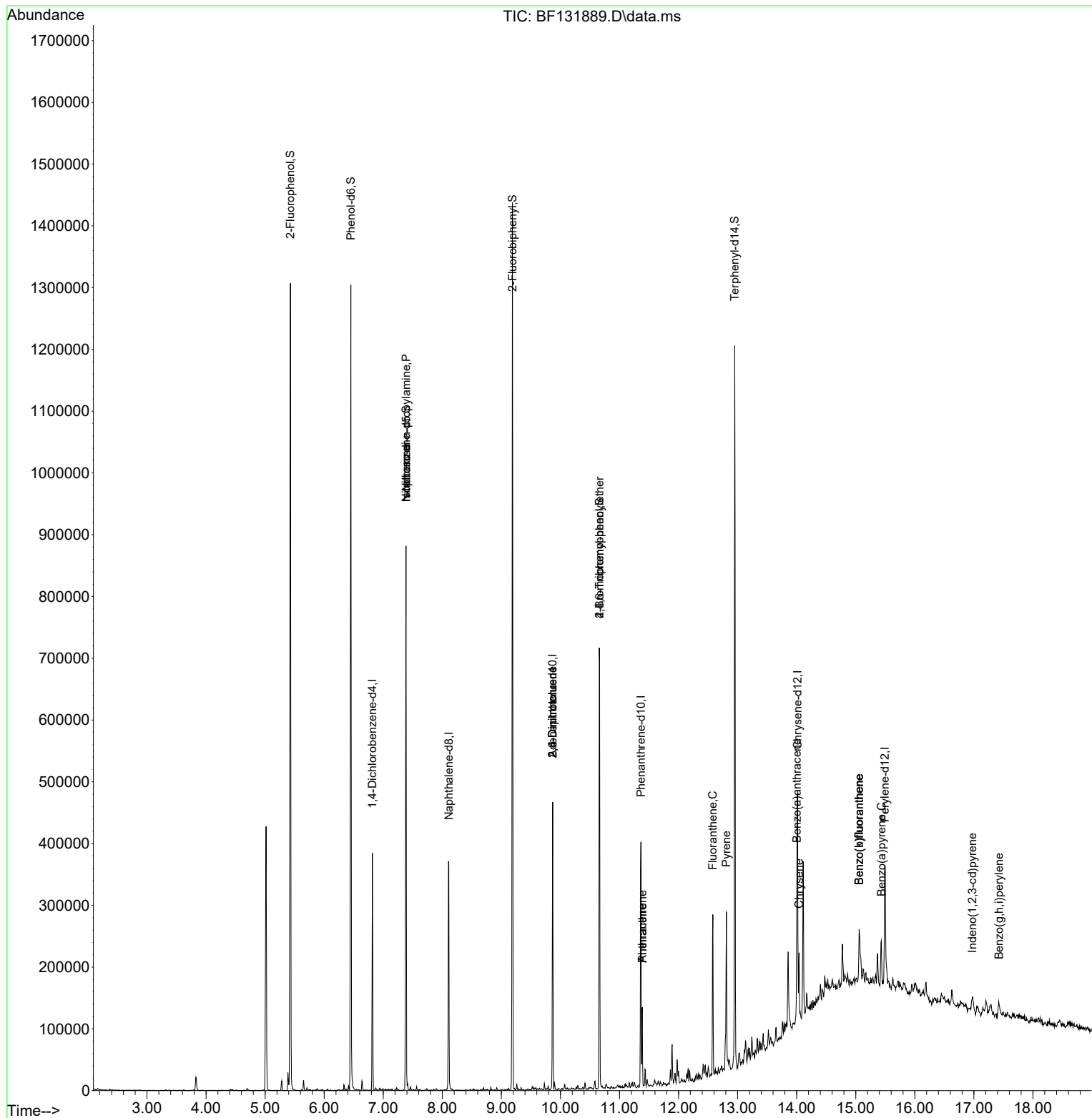
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	48243	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	156474	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	78035	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	139253	20.000	ng	0.00
76) Chrysene-d12	14.015	240	111792	20.000	ng	0.00
86) Perylene-d12	15.492	264	88445	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	293268	100.742	ng	0.00
7) Phenol-d6	6.451	99	366091	95.719	ng	0.00
23) Nitrobenzene-d5	7.386	82	262501	66.979	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	76309	90.003	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	384569	67.503	ng	0.00
79) Terphenyl-d14	12.951	244	369608	55.925	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.386	70	36488	13.508	ng	# 81
25) Isophorone	7.386	82	261003	40.780	ng	# 69
51) 2,6-Dinitrotoluene	9.869	165	10141	7.935	ng	# 17
57) 2,4-Dinitrotoluene	9.869	165	10141	5.802	ng	# 17
67) 4-Bromophenyl-phenylether	10.663	248	5325	3.299	ng	# 1
71) Phenanthrene	11.386	178	46313	6.048	ng	97
72) Anthracene	11.386	178	46313	6.182	ng	98
75) Fluoranthene	12.580	202	97607	10.943	ng	97
78) Pyrene	12.810	202	95278	10.168	ng	99
81) Benzo(a)anthracene	14.004	228	48297	5.967	ng	95
83) Chrysene	14.039	228	40877	5.374	ng	95
87) Indeno(1,2,3-cd)pyrene	16.974	276	17336	3.085	ng	99
88) Benzo(b)fluoranthene	15.057	252	61360	9.462	ng	# 94
89) Benzo(k)fluoranthene	15.057	252	61360	9.793	ng	# 94
90) Benzo(a)pyrene	15.433	252	31867	6.347	ng	# 91
92) Benzo(g,h,i)perylene	17.427	276	16161	7.891	ng	# 93

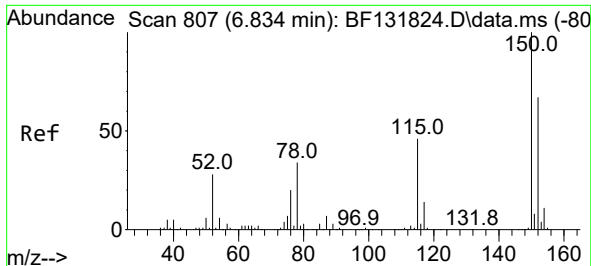
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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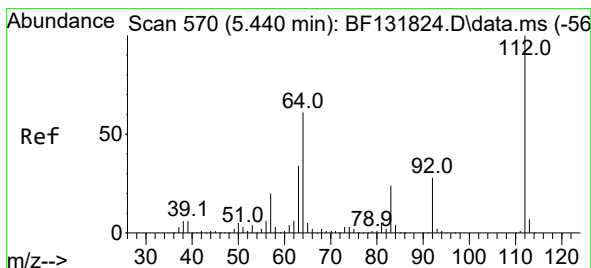
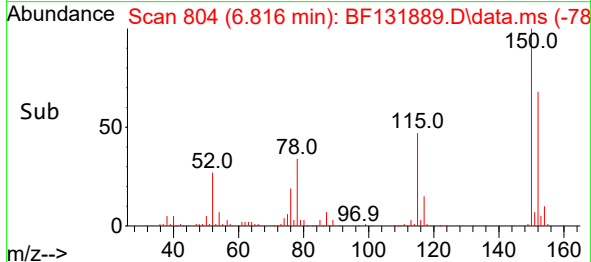
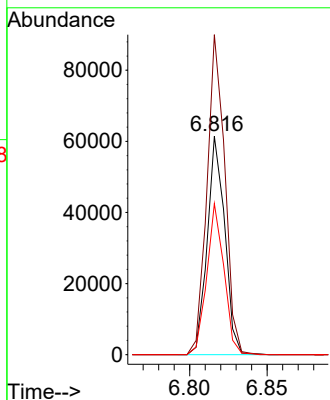
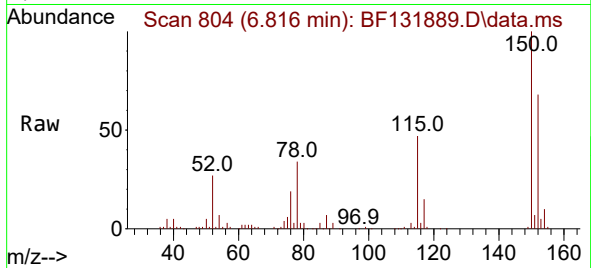




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

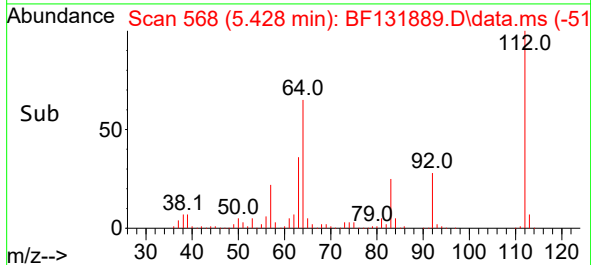
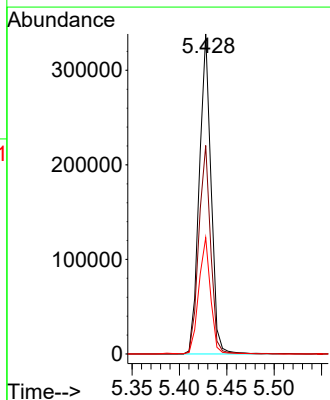
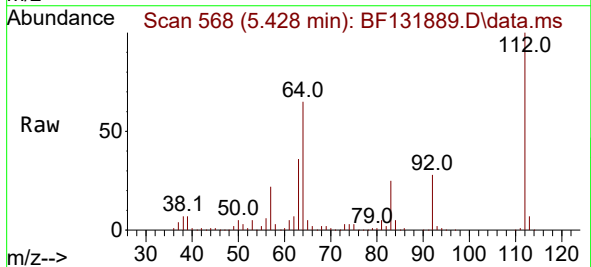
Instrument :
BNA_F
ClientSampleId :
TP-2

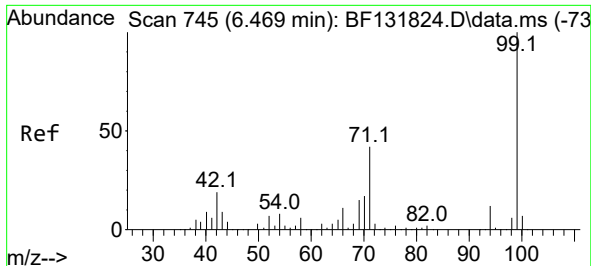
Tgt Ion:152 Resp: 48243
Ion Ratio Lower Upper
152 100
150 146.5 120.0 180.0
115 69.1 55.1 82.7



#5
2-Fluorophenol
Concen: 100.742 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Tgt Ion:112 Resp: 293268
Ion Ratio Lower Upper
112 100
64 65.2 49.2 73.8
63 36.3 27.5 41.3

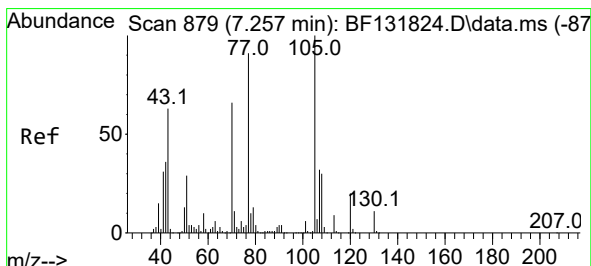
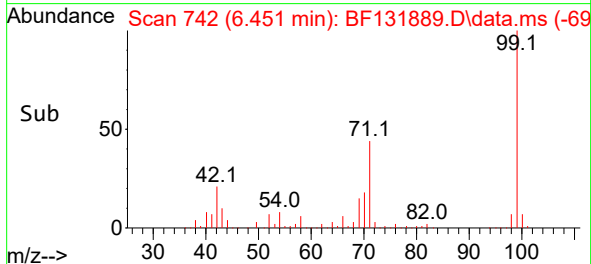
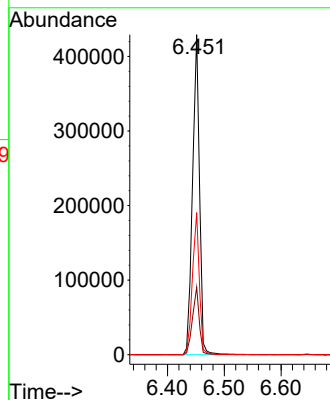
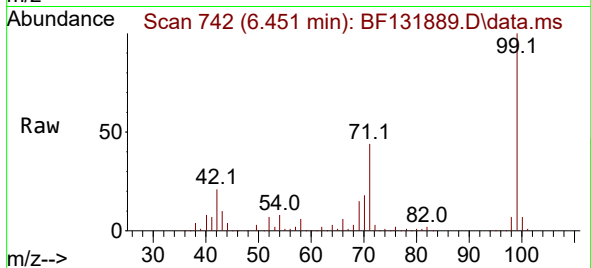




#7
Phenol-d6
Concen: 95.719 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

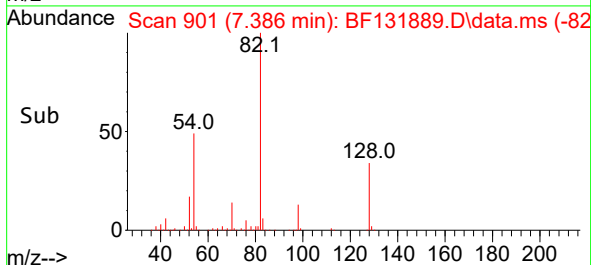
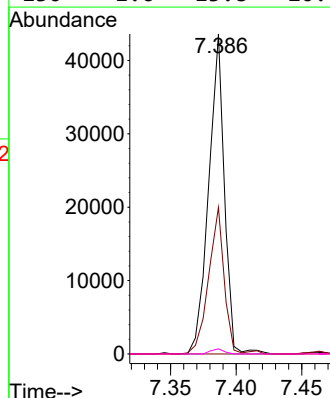
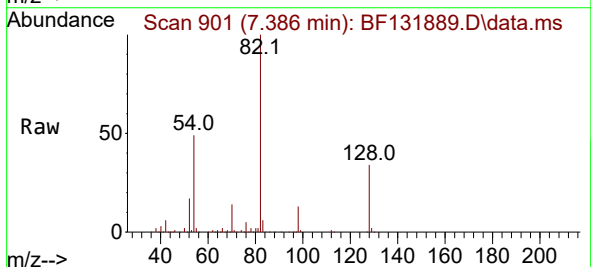
Instrument :
BNA_F
ClientSampleId :
TP-2

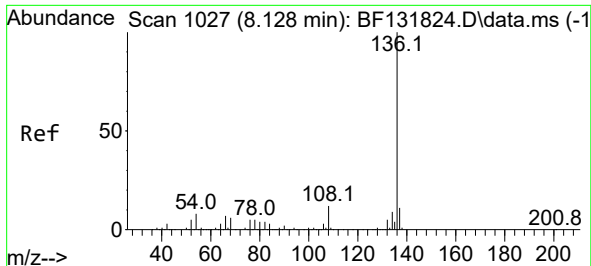
Tgt Ion: 99 Resp: 366091
Ion Ratio Lower Upper
99 100
42 21.1 15.3 22.9
71 44.4 33.5 50.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.508 ng
RT: 7.386 min Scan# 901
Delta R.T. 0.147 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Tgt Ion: 70 Resp: 36488
Ion Ratio Lower Upper
70 100
42 45.8 43.8 65.6
101 0.0 7.4 11.0#
130 1.6 13.8 20.6#



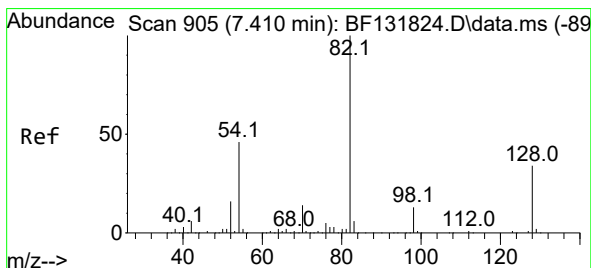
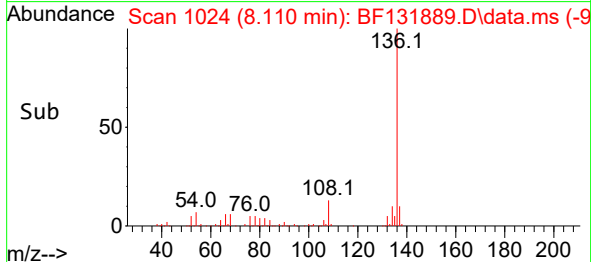
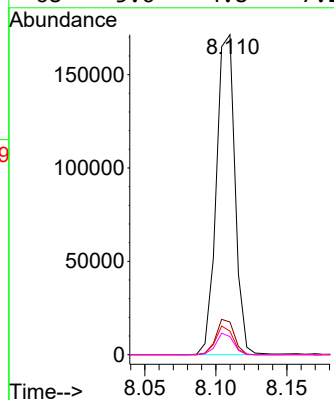
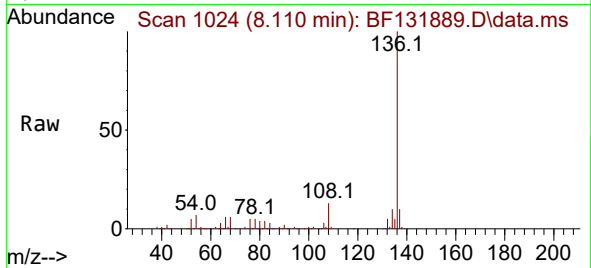


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:136 Resp: 156474

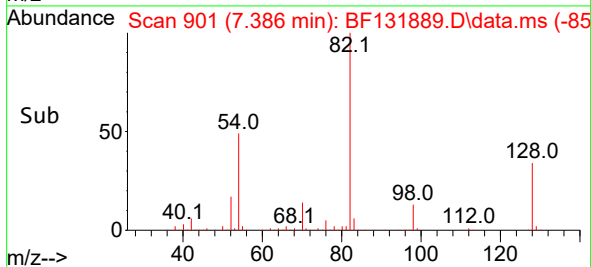
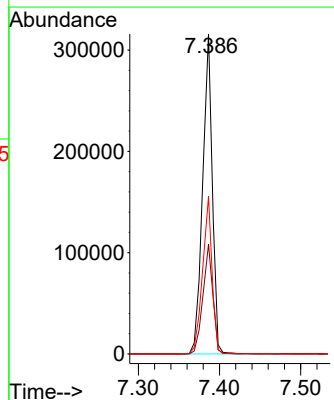
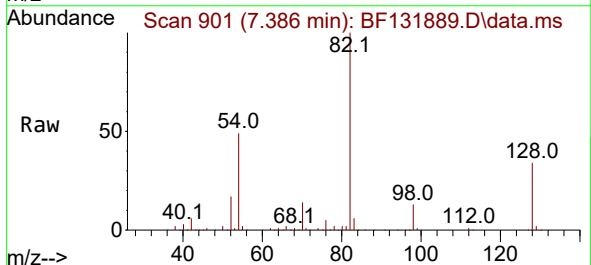
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.6	12.8
54	7.4	6.7	10.1
68	5.6	4.8	7.2

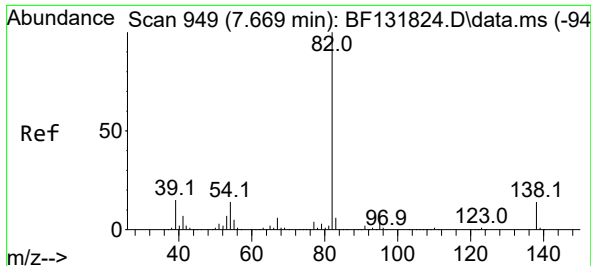


#23
Nitrobenzene-d5
Concen: 66.979 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Tgt Ion: 82 Resp: 262501

Ion	Ratio	Lower	Upper
82	100		
128	34.3	27.1	40.7
54	49.2	37.0	55.6

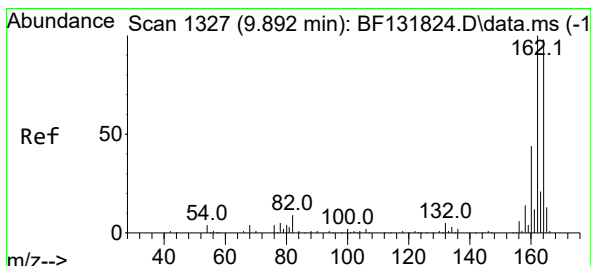
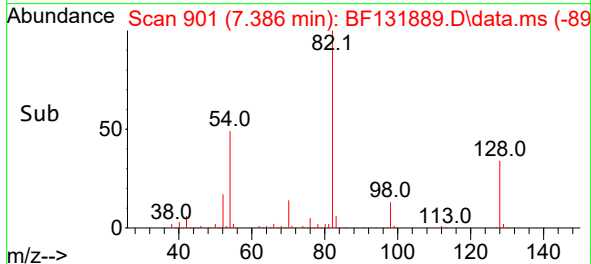
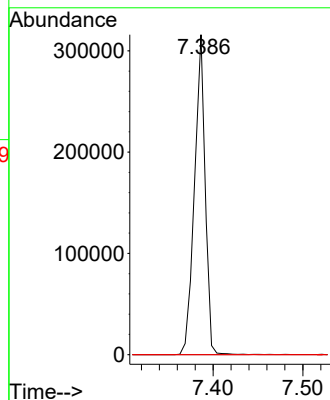
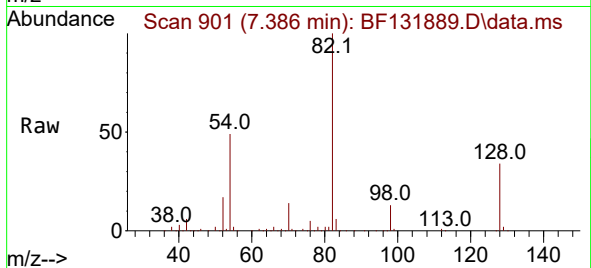




#25
Isophorone
Concen: 40.780 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.265 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

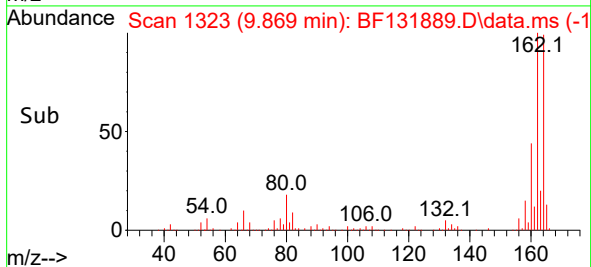
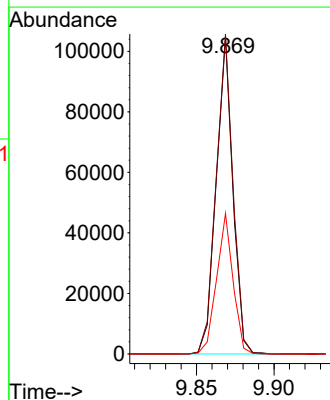
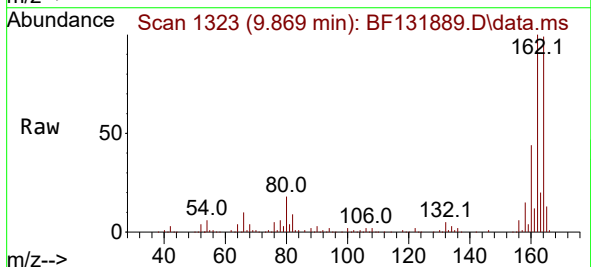
Instrument :
BNA_F
ClientSampleId :
TP-2

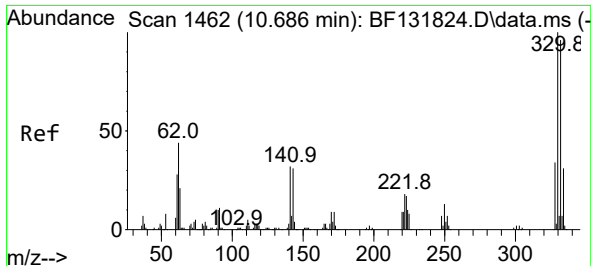
Tgt Ion: 82 Resp: 261003
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 11.5 17.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Tgt Ion: 164 Resp: 78035
Ion Ratio Lower Upper
164 100
162 100.8 81.8 122.6
160 44.3 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 90.003 ng

RT: 10.663 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF131889.D

Acq: 29 Dec 2022 21:00

Instrument :

BNA_F

ClientSampleId :

TP-2

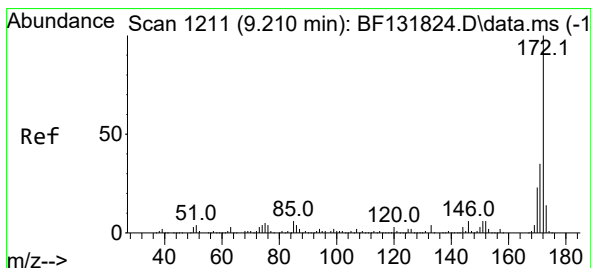
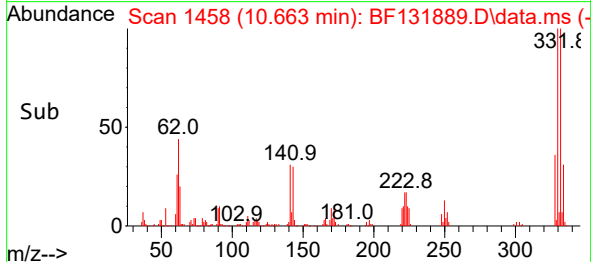
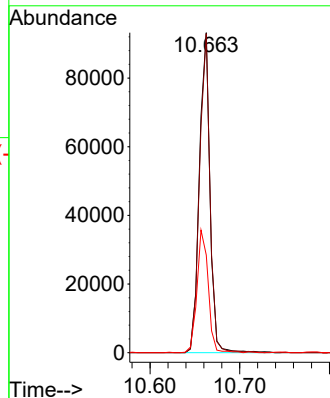
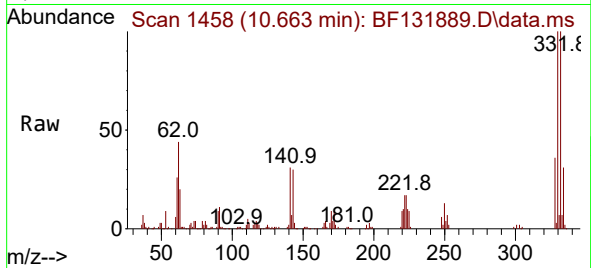
Tgt Ion:330 Resp: 76309

Ion Ratio Lower Upper

330 100

332 98.6 77.0 115.4

141 40.5 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 67.503 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF131889.D

Acq: 29 Dec 2022 21:00

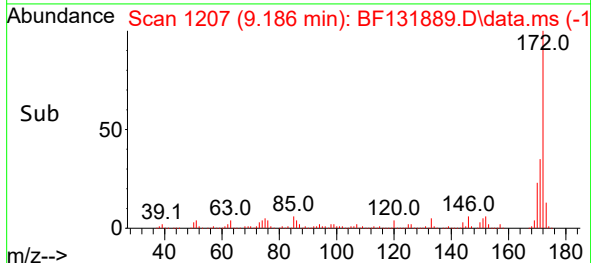
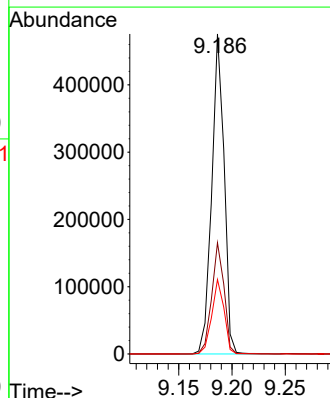
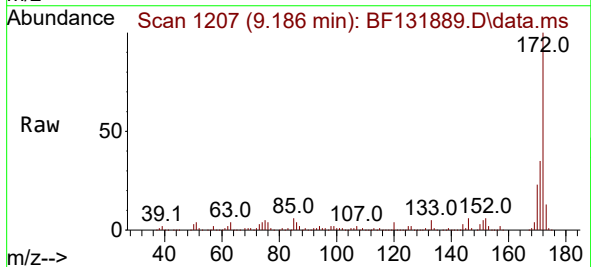
Tgt Ion:172 Resp: 384569

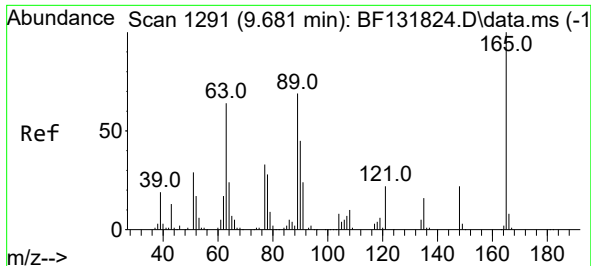
Ion Ratio Lower Upper

172 100

171 34.8 27.9 41.9

170 23.3 18.7 28.1

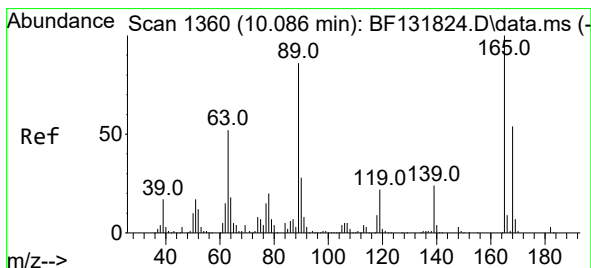
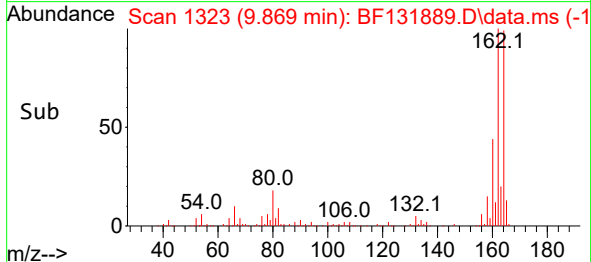
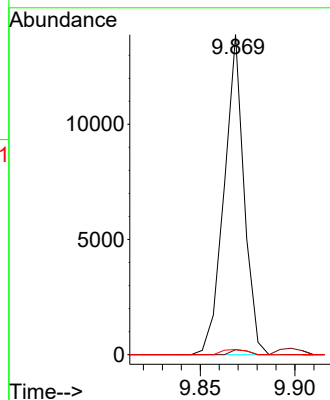
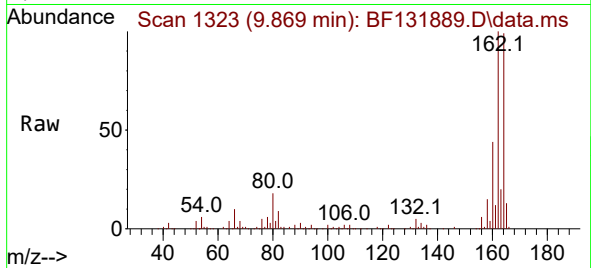




#51
2,6-Dinitrotoluene
Concen: 7.935 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

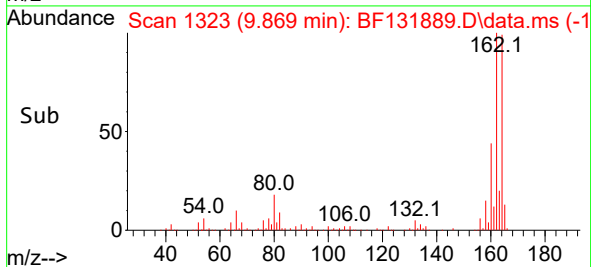
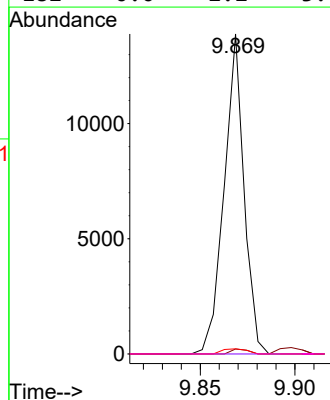
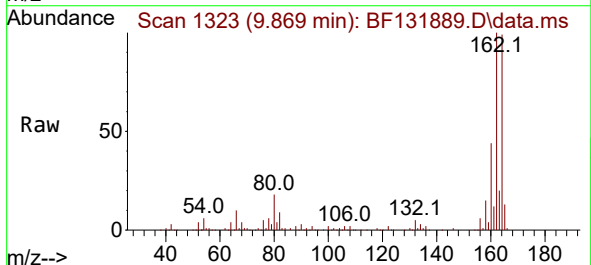
Instrument :
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TP-2

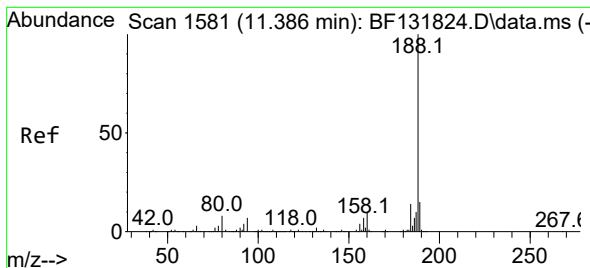
Tgt Ion:165 Resp: 10141
Ion Ratio Lower Upper
165 100
63 1.6 55.1 82.7#
89 1.6 55.0 82.4#



#57
2,4-Dinitrotoluene
Concen: 5.802 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.200 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Tgt Ion:165 Resp: 10141
Ion Ratio Lower Upper
165 100
63 1.6 42.1 63.1#
89 1.6 69.1 103.7#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131889.D

Acq: 29 Dec 2022 21:00

Instrument :

BNA_F

ClientSampleId :

TP-2

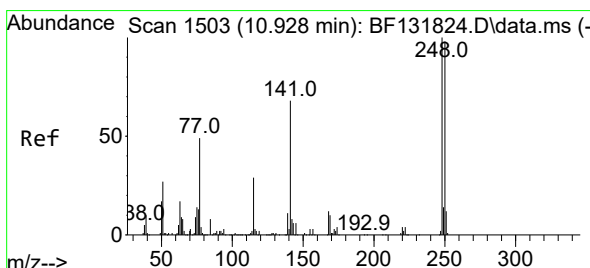
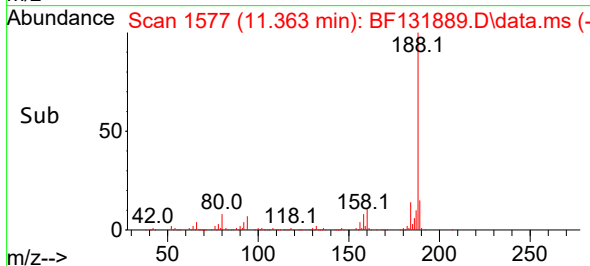
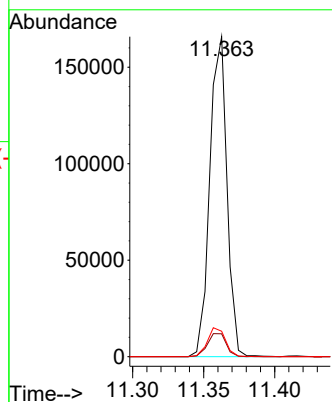
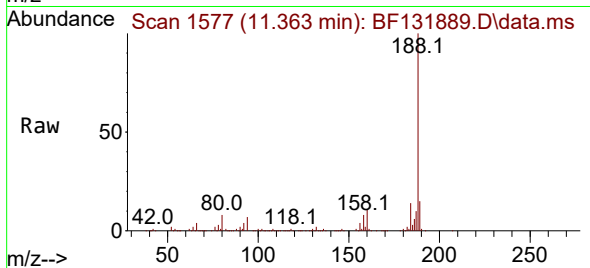
Tgt Ion:188 Resp: 139253

Ion Ratio Lower Upper

188 100

94 7.1 5.8 8.6

80 8.0 6.7 10.1



#67

4-Bromophenyl-phenylether

Concen: 3.299 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.241 min

Lab File: BF131889.D

Acq: 29 Dec 2022 21:00

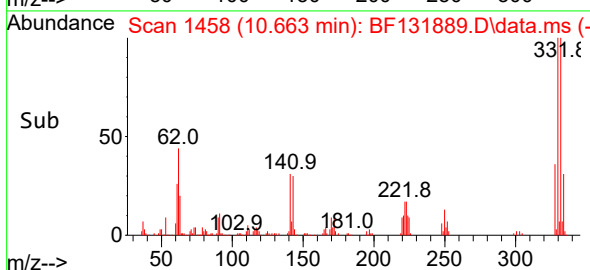
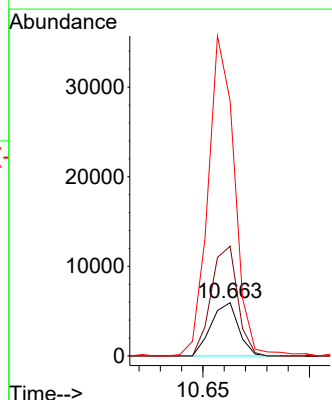
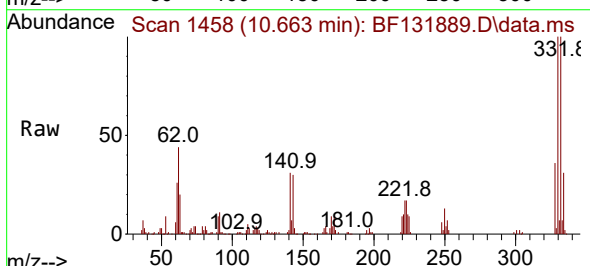
Tgt Ion:248 Resp: 5325

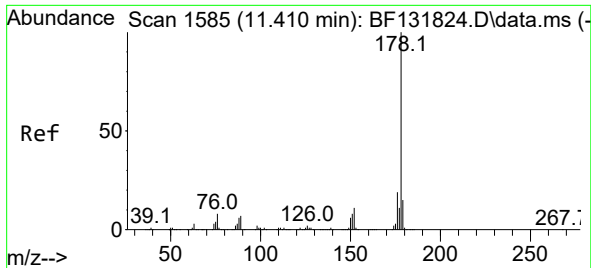
Ion Ratio Lower Upper

248 100

250 206.1 78.0 117.0#

141 478.4 54.8 82.2#

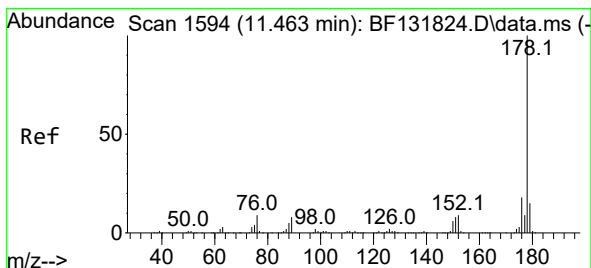
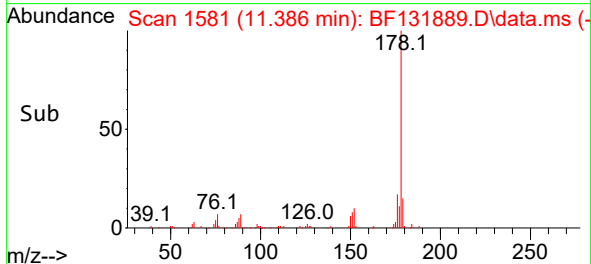
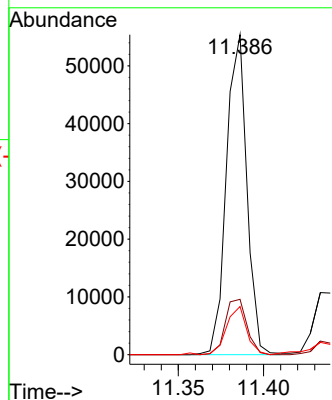
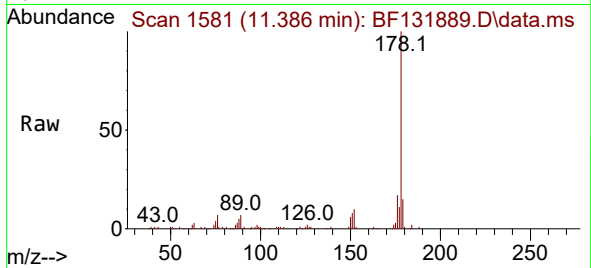




#71
Phenanthrene
Concen: 6.048 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

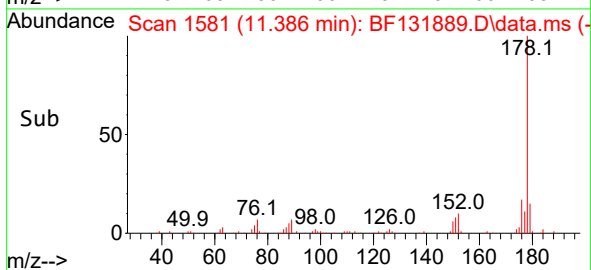
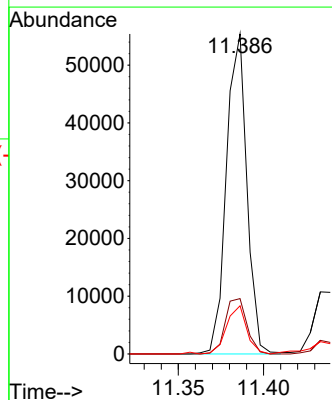
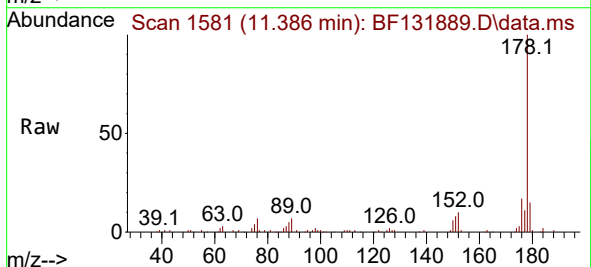
Instrument :
BNA_F
ClientSampleId :
TP-2

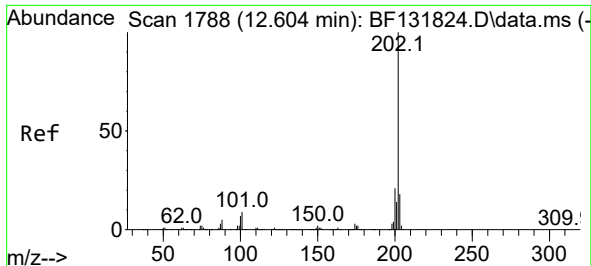
Tgt Ion:178 Resp: 46313
Ion Ratio Lower Upper
178 100
176 17.3 15.5 23.3
179 15.1 12.2 18.4



#72
Anthracene
Concen: 6.182 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.053 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Tgt Ion:178 Resp: 46313
Ion Ratio Lower Upper
178 100
176 17.3 14.8 22.2
179 15.1 12.2 18.2

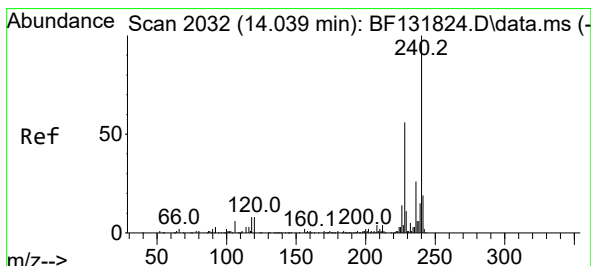
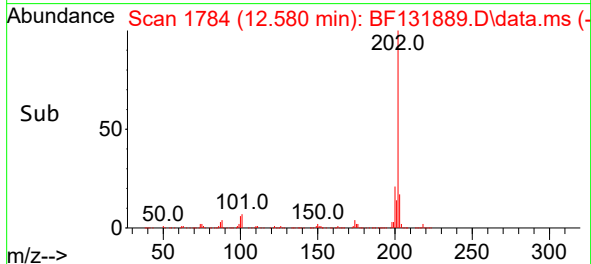
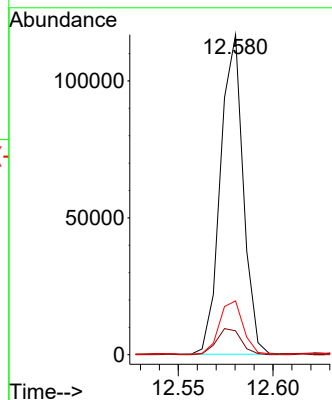
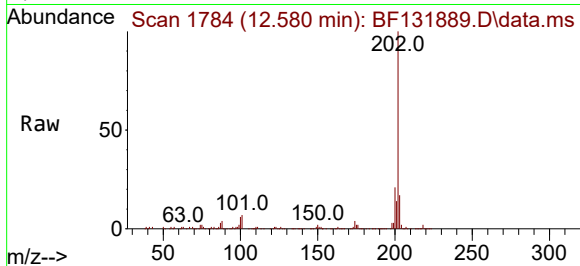




#75
Fluoranthene
Concen: 10.943 ng
RT: 12.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

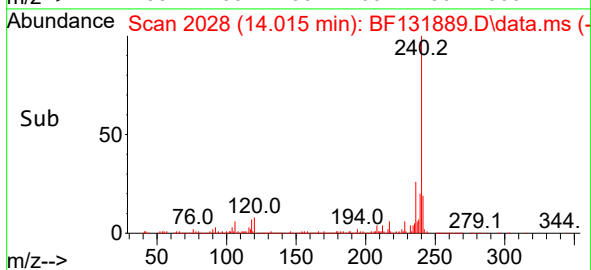
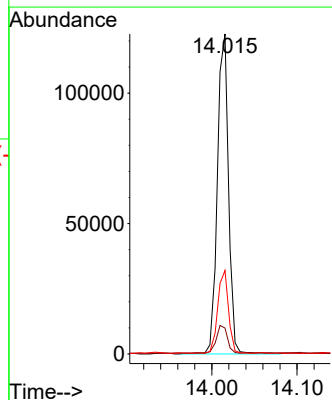
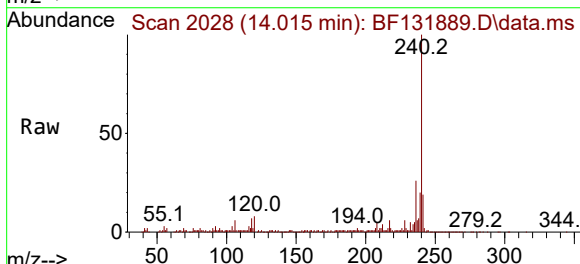
Instrument :
BNA_F
ClientSampleId :
TP-2

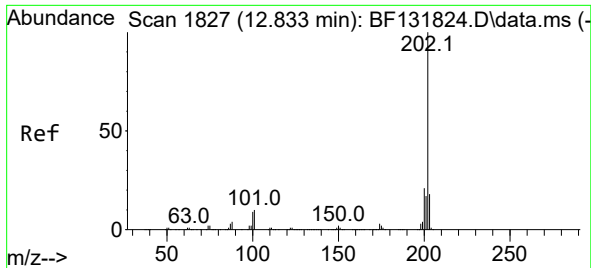
Tgt Ion:202 Resp: 97607
Ion Ratio Lower Upper
202 100
101 7.5 0.0 28.6
203 16.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Tgt Ion:240 Resp: 111792
Ion Ratio Lower Upper
240 100
120 8.1 6.7 10.1
236 26.1 20.6 31.0

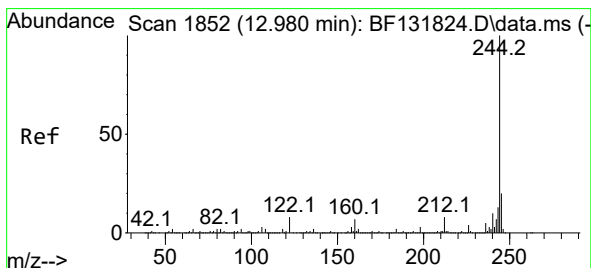
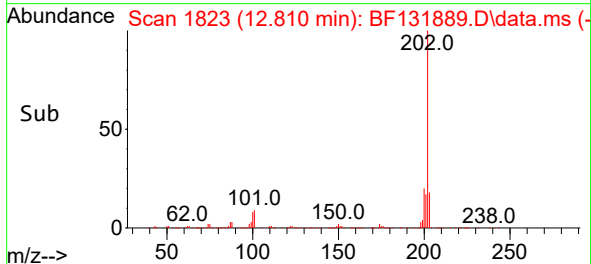
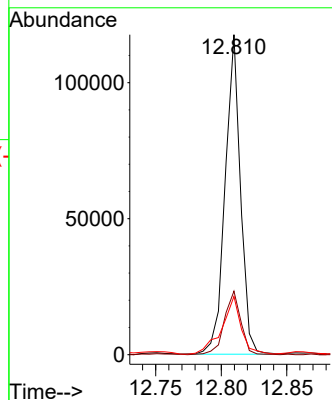
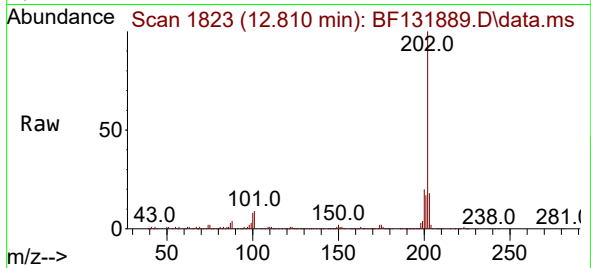




#78
 Pyrene
 Concen: 10.168 ng
 RT: 12.810 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF131889.D
 Acq: 29 Dec 2022 21:00

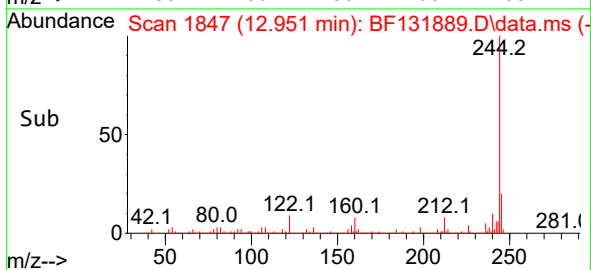
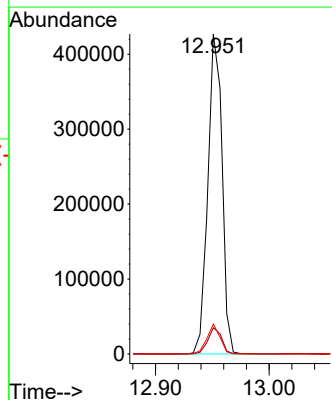
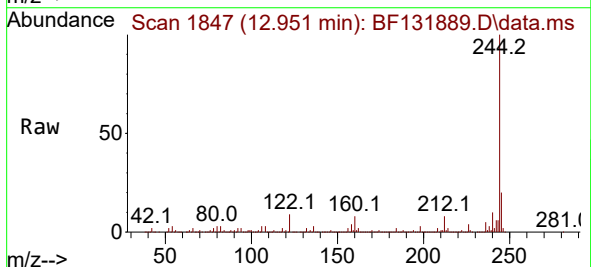
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

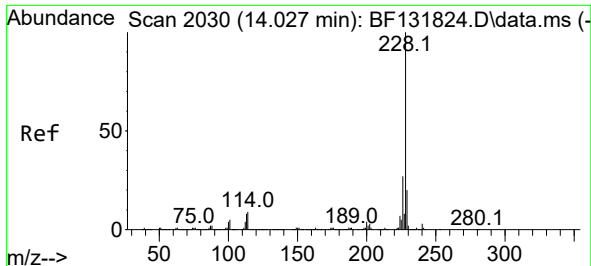
Tgt Ion:202 Resp: 95278
 Ion Ratio Lower Upper
 202 100
 200 19.9 16.7 25.1
 203 18.2 14.4 21.6



#79
 Terphenyl-d14
 Concen: 55.925 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF131889.D
 Acq: 29 Dec 2022 21:00

Tgt Ion:244 Resp: 369608
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.3 9.5
 122 9.3 6.4 9.6

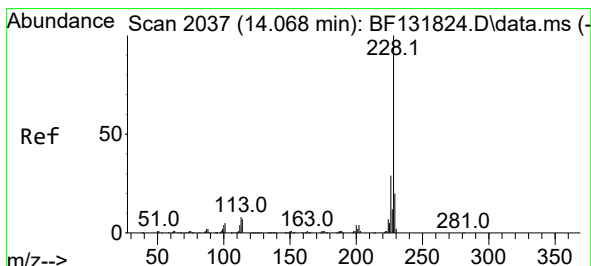
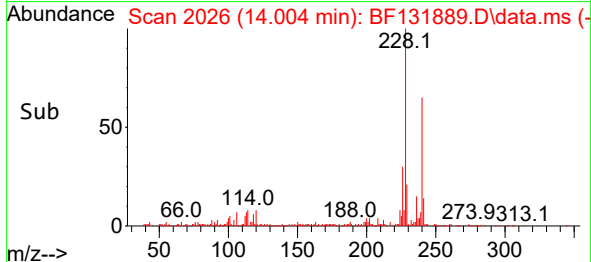
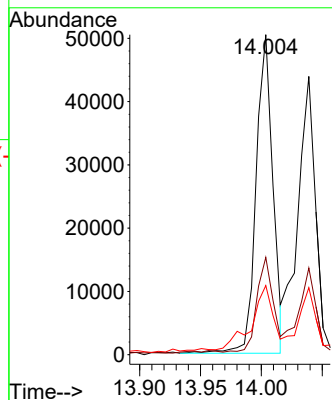
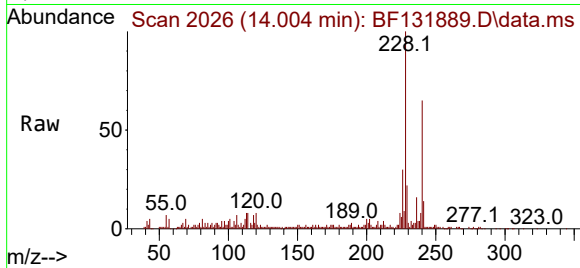




#81
Benzo(a)anthracene
Concen: 5.967 ng
RT: 14.004 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

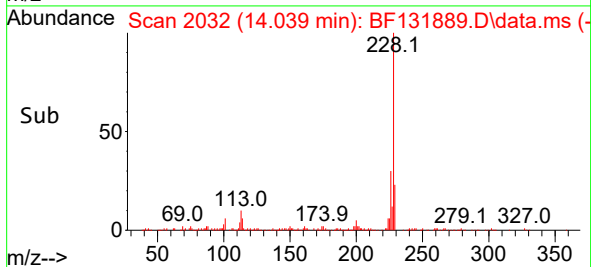
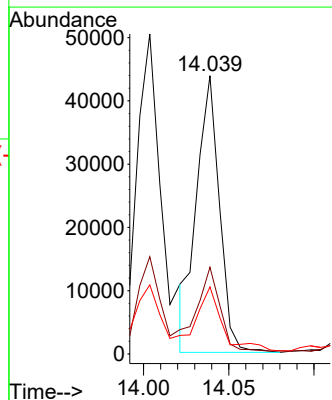
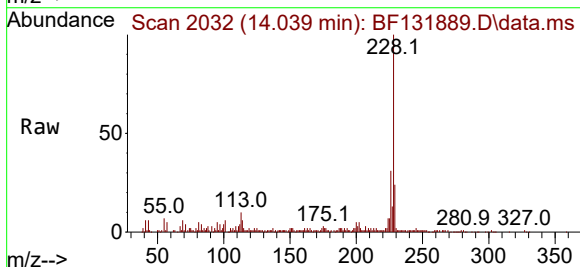
Instrument :
BNA_F
ClientSampleId :
TP-2

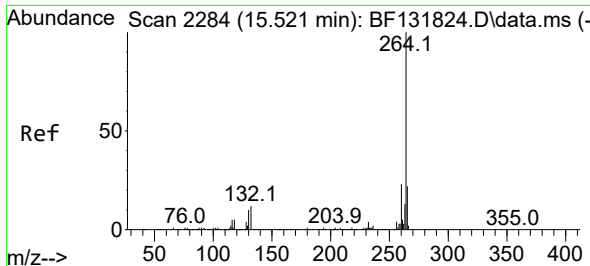
Tgt Ion:228 Resp: 48297
Ion Ratio Lower Upper
228 100
226 30.4 22.0 33.0
229 21.6 16.0 24.0



#83
Chrysene
Concen: 5.374 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Tgt Ion:228 Resp: 40877
Ion Ratio Lower Upper
228 100
226 31.2 23.5 35.3
229 24.1 16.2 24.2

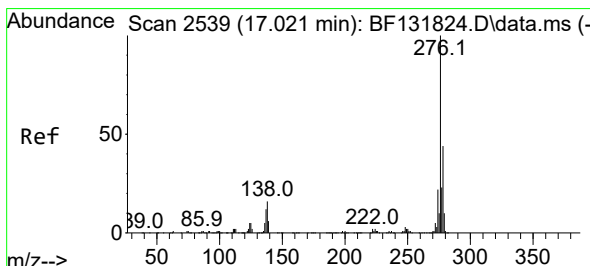
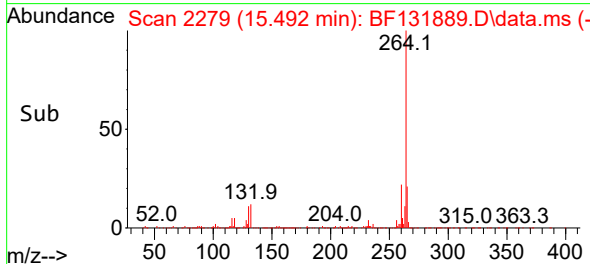
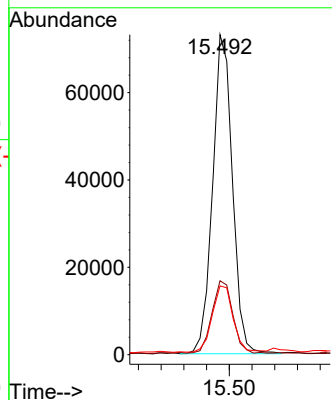
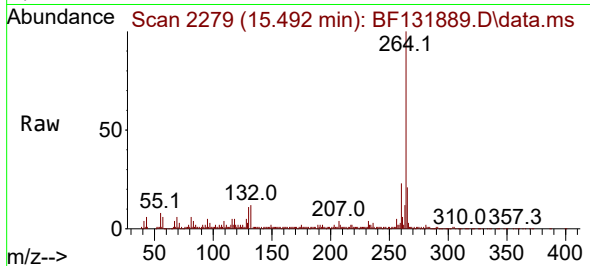




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

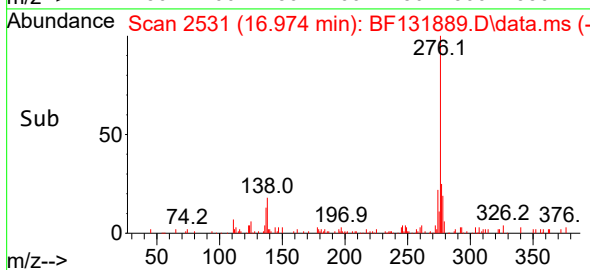
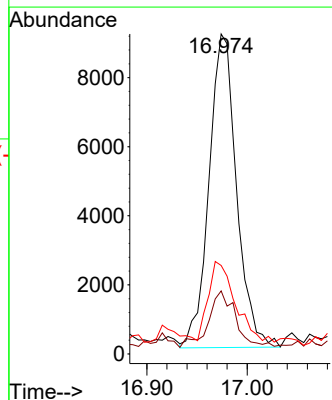
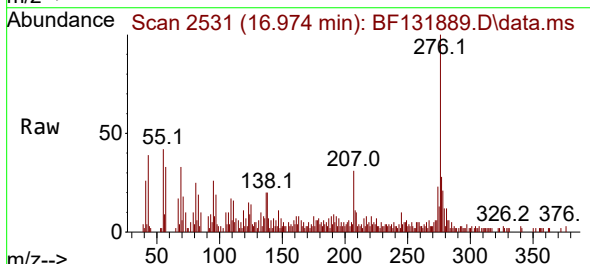
Instrument :
BNA_F
ClientSampleId :
TP-2

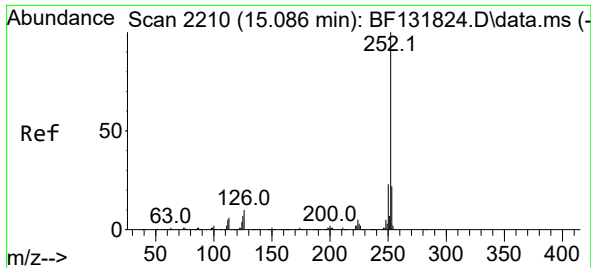
Tgt Ion:264 Resp: 88445
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 21.5 17.4 26.0



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.085 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Tgt Ion:276 Resp: 17336
Ion Ratio Lower Upper
276 100
138 18.0 14.5 21.7
277 25.2 19.7 29.5

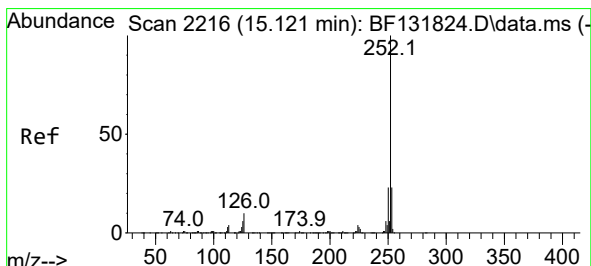
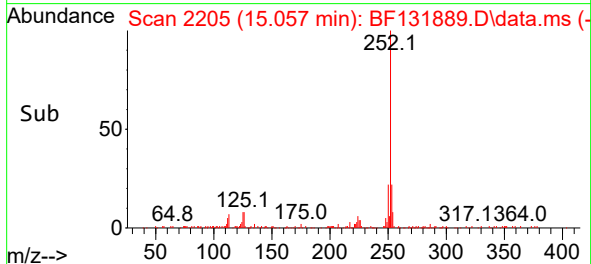
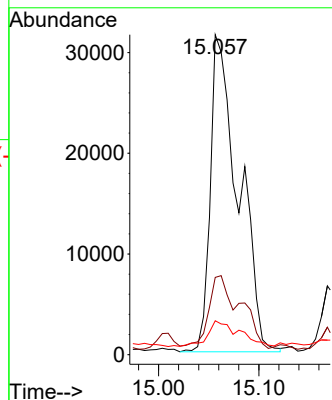
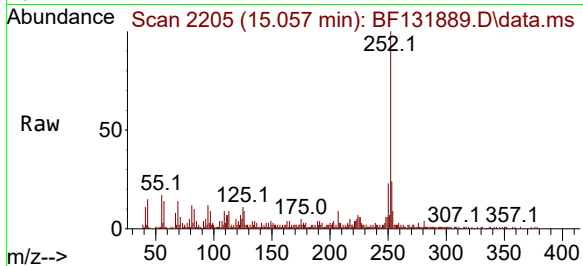




#88
Benzo(b)fluoranthene
Concen: 9.462 ng
RT: 15.057 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

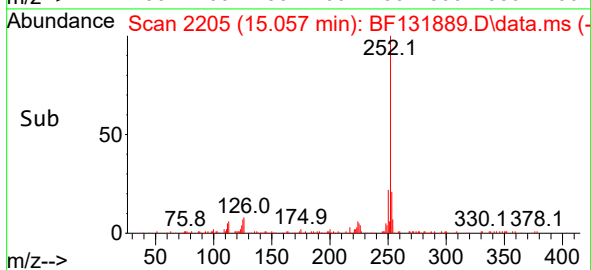
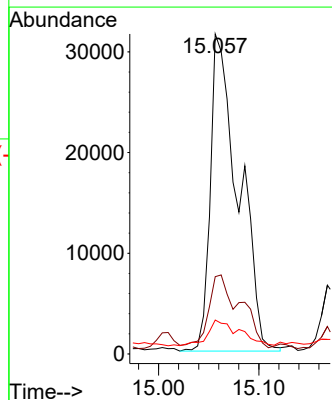
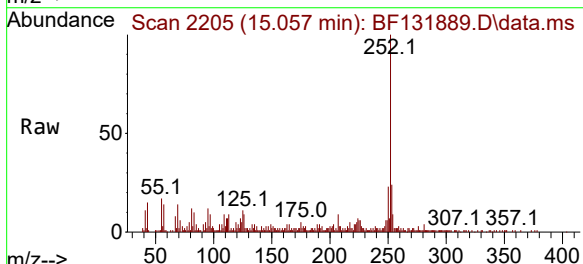
Instrument :
BNA_F
ClientSampleId :
TP-2

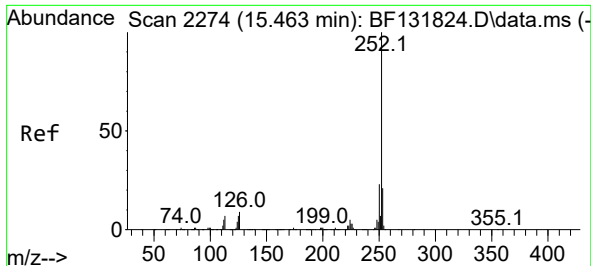
Tgt Ion:252 Resp: 61360
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 10.6 5.8 8.8#



#89
Benzo(k)fluoranthene
Concen: 9.793 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.035 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Tgt Ion:252 Resp: 61360
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 10.6 5.4 8.0#

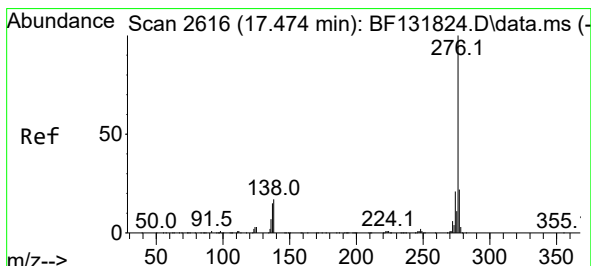
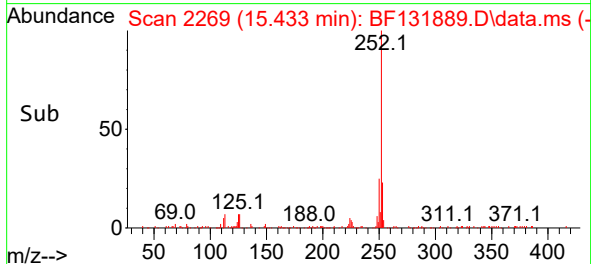
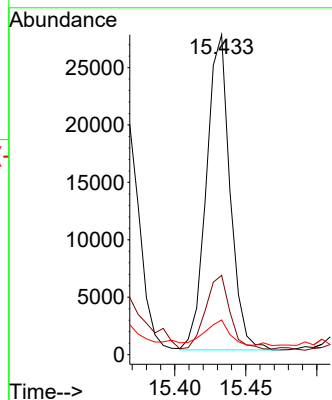
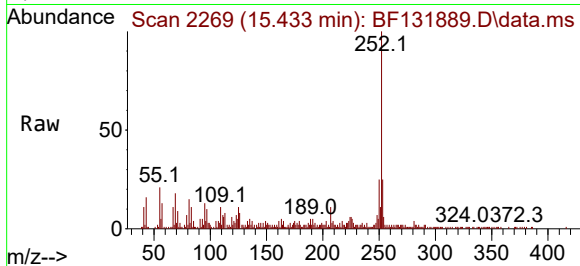




#90
Benzo(a)pyrene
Concen: 6.347 ng
RT: 15.433 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:252 Resp: 31867
Ion Ratio Lower Upper
252 100
253 24.8 16.6 24.8
125 10.8 5.8 8.8#



#92
Benzo(g,h,i)perylene
Concen: 7.891 ng
RT: 17.427 min Scan# 2608
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Tgt Ion:276 Resp: 16161
Ion Ratio Lower Upper
276 100
277 27.8 17.9 26.9#
138 16.3 13.7 20.5

