

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122922\
 Data File : BF131885.D
 Acq On : 29 Dec 2022 18:55
 Operator : CG\JU
 Sample : N6228-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Dec 30 02:11:48 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)

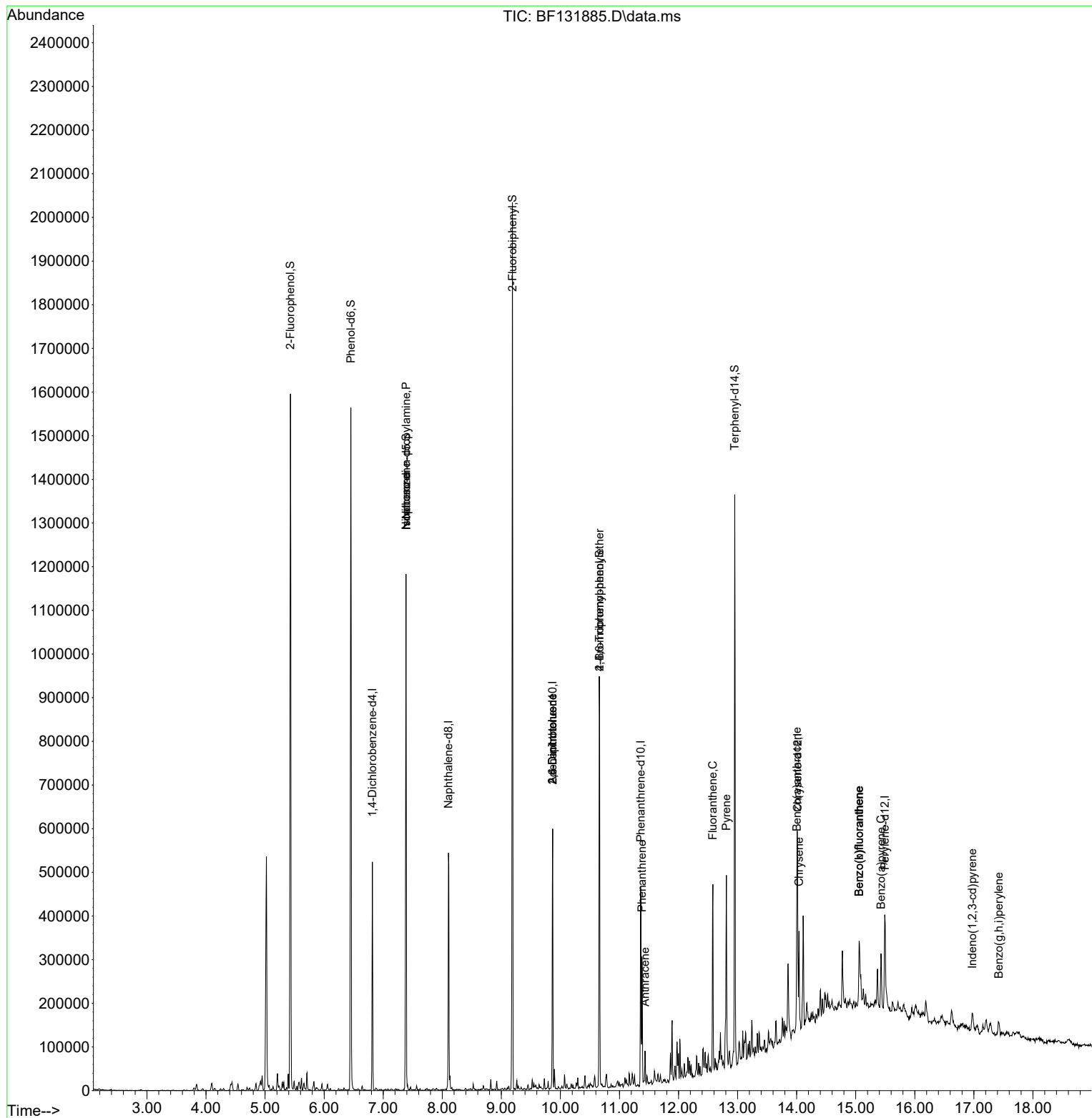
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	66160	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	225614	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	107140	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	165249	20.000	ng	# 0.00
76) Chrysene-d12	14.016	240	119436	20.000	ng	0.00
86) Perylene-d12	15.492	264	98555	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	393571	98.584	ng	0.00
7) Phenol-d6	6.451	99	500529	95.429	ng	0.00
23) Nitrobenzene-d5	7.387	82	362155	64.089	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	96894	83.237	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	535539	68.466	ng	0.00
79) Terphenyl-d14	12.951	244	420072	59.493	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.387	70	50167	13.543	ng	# 78
25) Isophorone	7.387	82	362150	39.243	ng	# 69
51) 2,6-Dinitrotoluene	9.869	165	14668	8.360	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	14668	6.113	ng	# 17
67) 4-Bromophenyl-phenylether	10.663	248	6503	3.395	ng	# 1
71) Phenanthrene	11.380	178	102284	11.256	ng	100
72) Anthracene	11.433	178	24634	2.771	ng	97
75) Fluoranthene	12.580	202	158878	15.010	ng	98
78) Pyrene	12.810	202	166040	16.586	ng	99
81) Benzo(a)anthracene	14.004	228	92281	10.672	ng	97
83) Chrysene	14.039	228	85866	10.567	ng	98
87) Indeno(1,2,3-cd)pyrene	16.974	276	26812	4.282	ng	97
88) Benzo(b)fluoranthene	15.057	252	104305	14.434	ng	# 94
89) Benzo(k)fluoranthene	15.057	252	104305	14.939	ng	# 94
90) Benzo(a)pyrene	15.427	252	55865	9.985	ng	# 93
92) Benzo(g,h,i)perylene	17.421	276	25840	9.041	ng	97

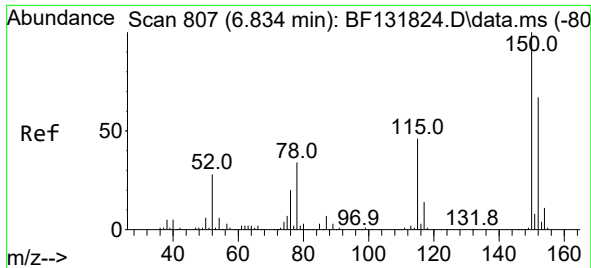
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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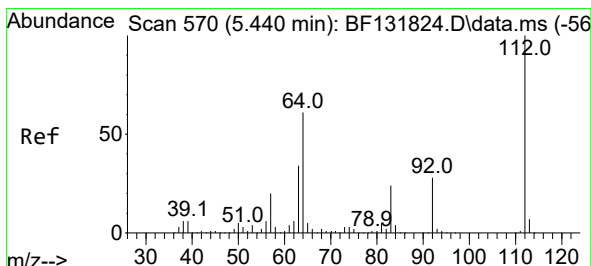
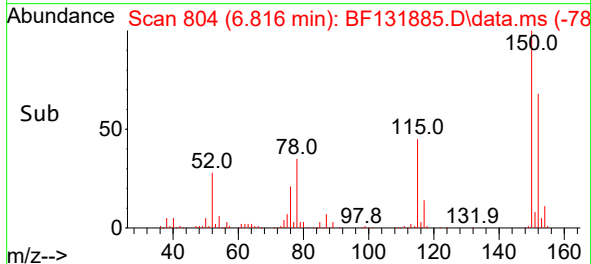
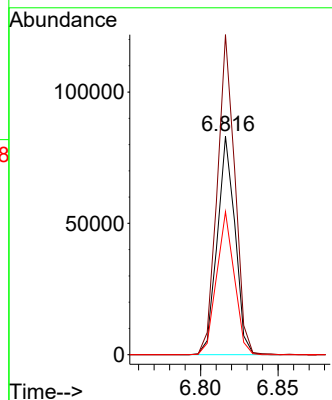
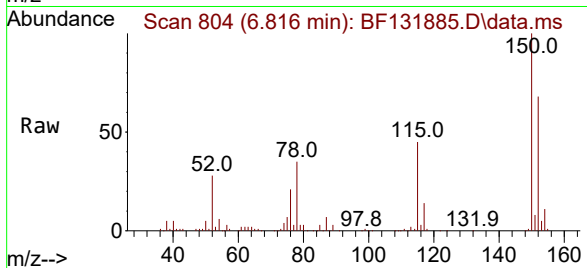




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 807
 Delta R.T. 0.000 min
 Lab File: BF131885.D
 Acq: 29 Dec 2022 18:55

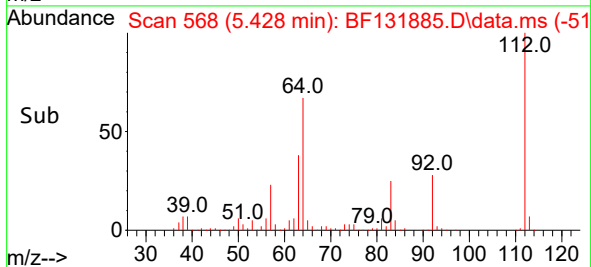
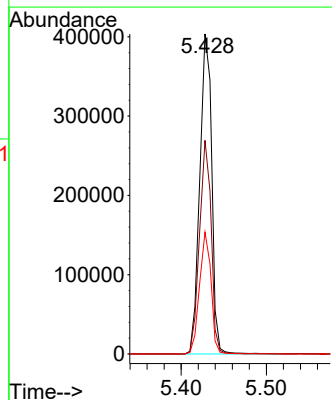
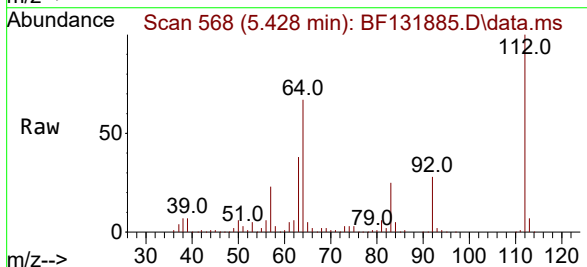
Instrument :
 BNA_F
 ClientSampleId :
 TP-4

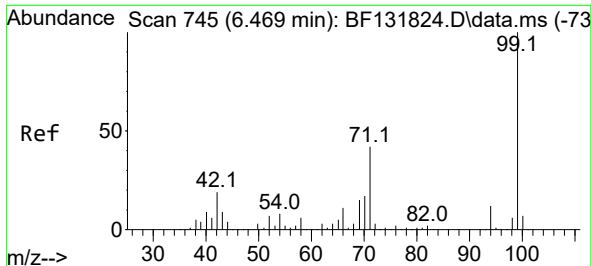
Tgt Ion:152 Resp: 66160
 Ion Ratio Lower Upper
 152 100
 150 146.5 120.0 180.0
 115 65.4 55.1 82.7



#5
 2-Fluorophenol
 Concen: 98.584 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.006 min
 Lab File: BF131885.D
 Acq: 29 Dec 2022 18:55

Tgt Ion:112 Resp: 393571
 Ion Ratio Lower Upper
 112 100
 64 66.7 49.2 73.8
 63 38.1 27.5 41.3

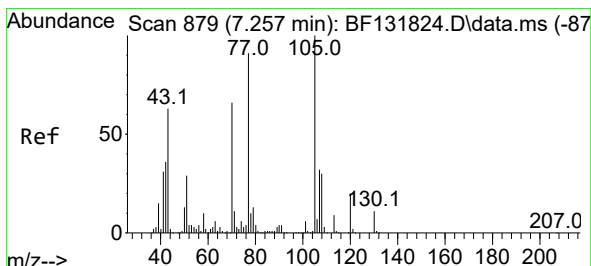
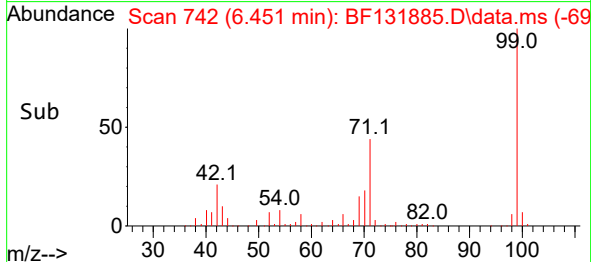
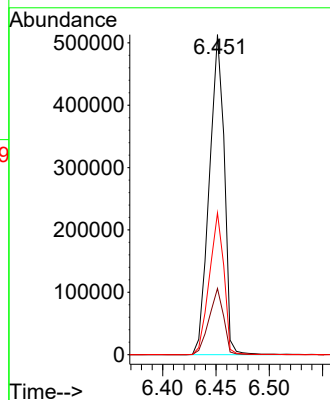
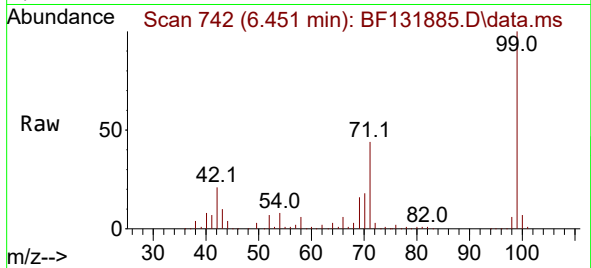




#7
Phenol-d6
Concen: 95.429 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

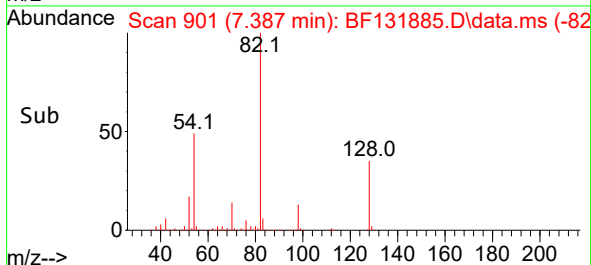
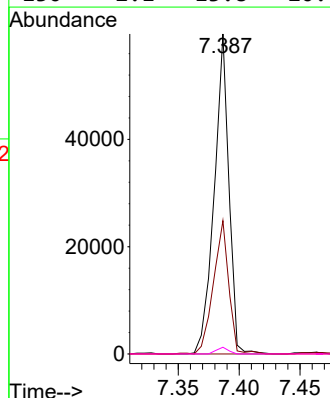
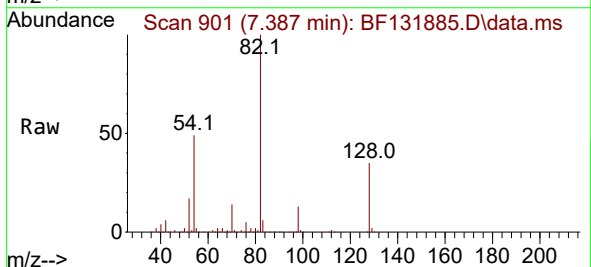
Instrument :
BNA_F
ClientSampleId :
TP-4

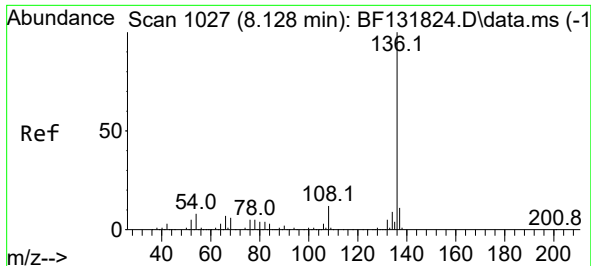
Tgt Ion: 99 Resp: 500529
Ion Ratio Lower Upper
99 100
42 20.7 15.3 22.9
71 44.3 33.5 50.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.543 ng
RT: 7.387 min Scan# 901
Delta R.T. 0.147 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

Tgt Ion: 70 Resp: 50167
Ion Ratio Lower Upper
70 100
42 41.6 43.8 65.6#
101 0.0 7.4 11.0#
130 2.1 13.8 20.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131885.D

Acq: 29 Dec 2022 18:55

Instrument :

BNA_F

ClientSampleId :

TP-4

Tgt Ion:136 Resp: 225614

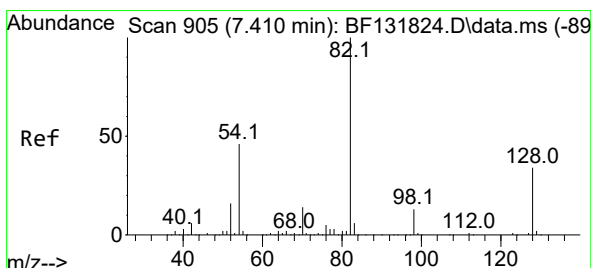
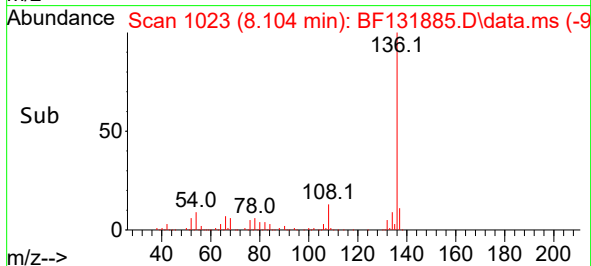
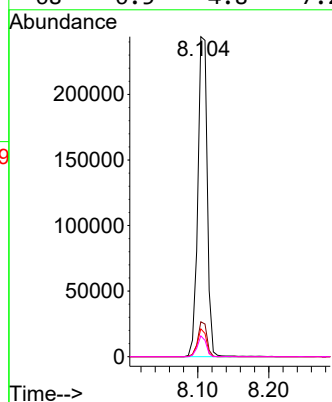
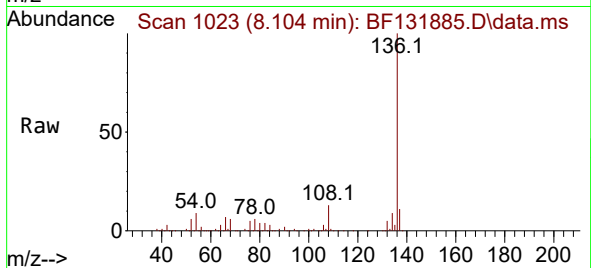
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 8.7 6.7 10.1

68 6.5 4.8 7.2



#23

Nitrobenzene-d5

Concen: 64.089 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF131885.D

Acq: 29 Dec 2022 18:55

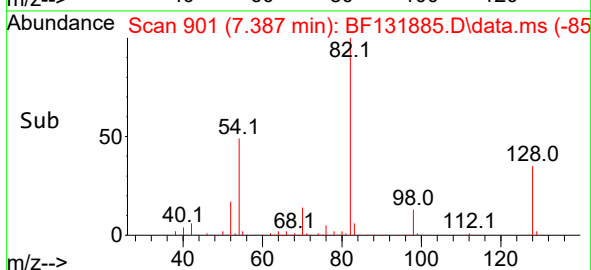
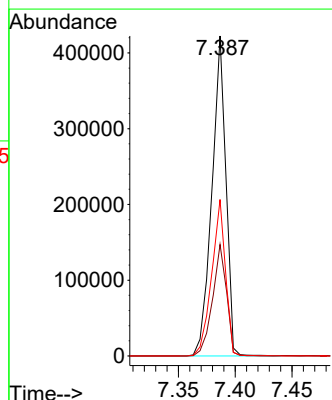
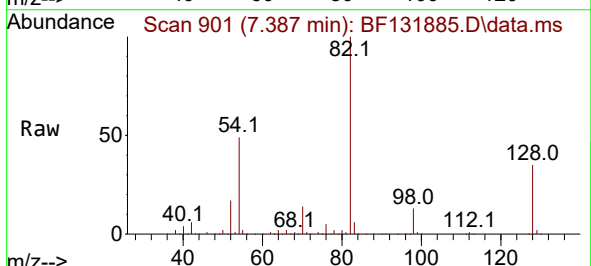
Tgt Ion: 82 Resp: 362155

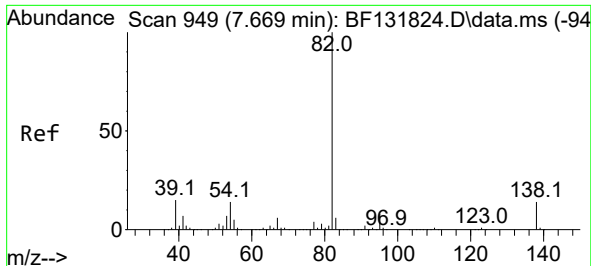
Ion Ratio Lower Upper

82 100

128 34.8 27.1 40.7

54 48.9 37.0 55.6

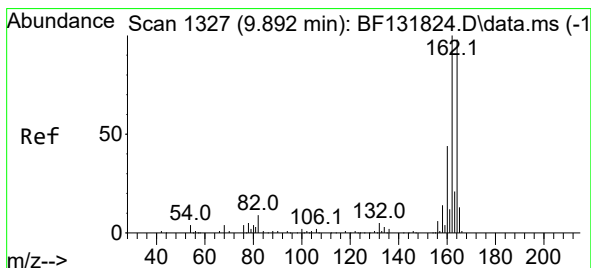
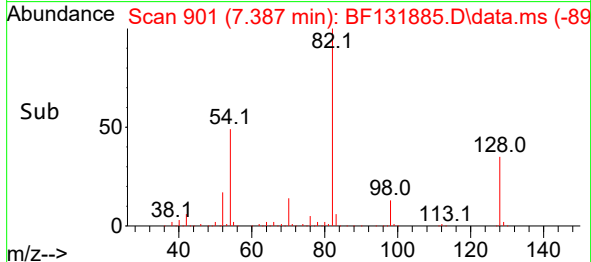
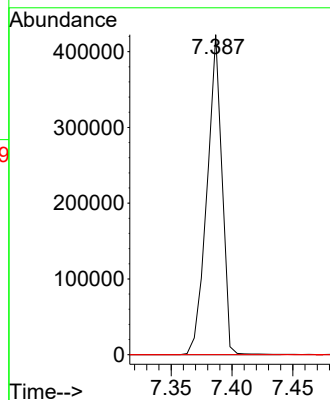
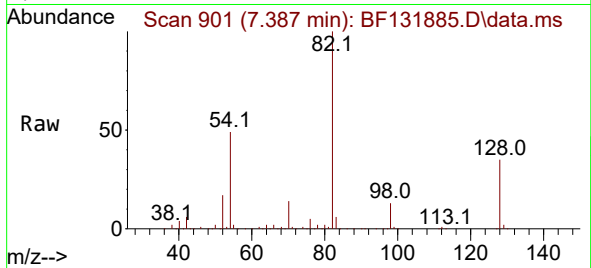




#25
Isophorone
Concen: 39.243 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.265 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

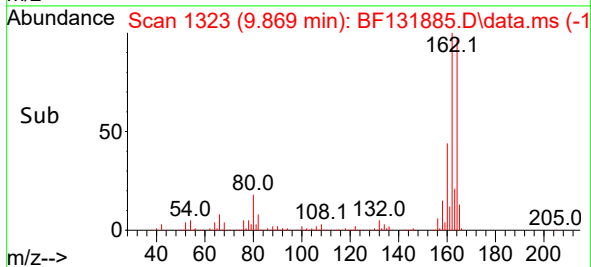
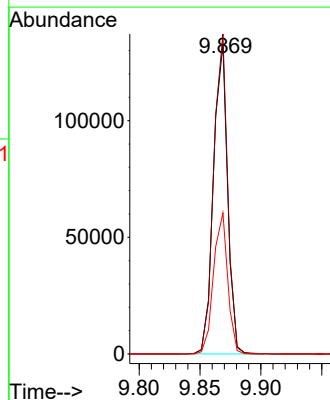
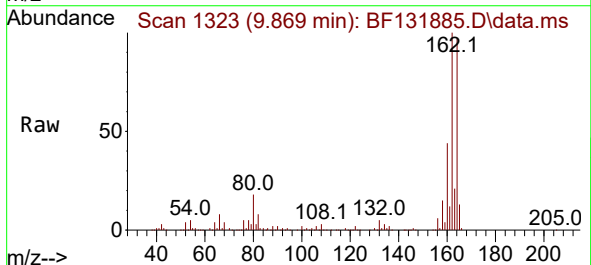
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TP-4

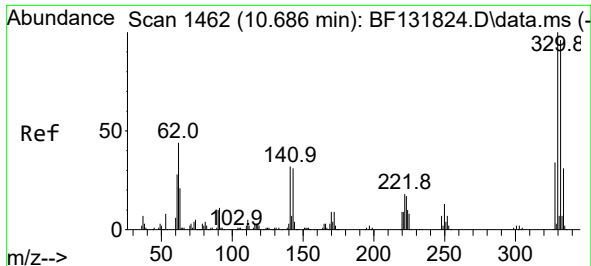
Tgt Ion: 82 Resp: 362150
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 11.5 17.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

Tgt Ion: 164 Resp: 107140
Ion Ratio Lower Upper
164 100
162 103.2 81.8 122.6
160 45.5 35.7 53.5

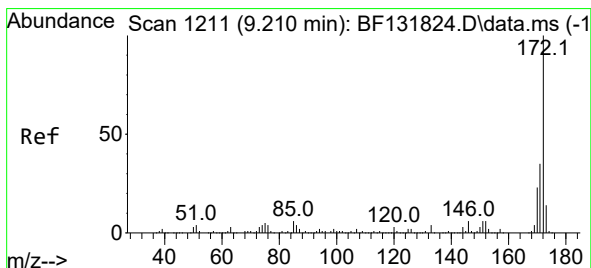
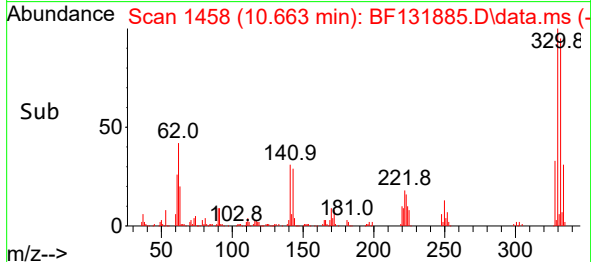
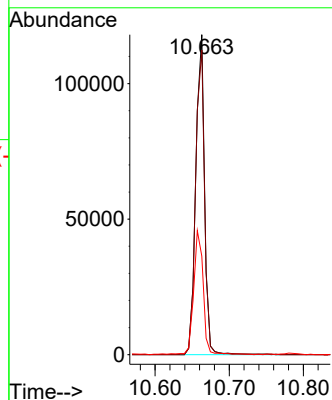
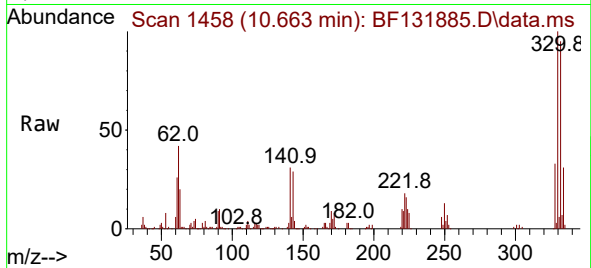




#42
2,4,6-Tribromophenol
Concen: 83.237 ng
RT: 10.663 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

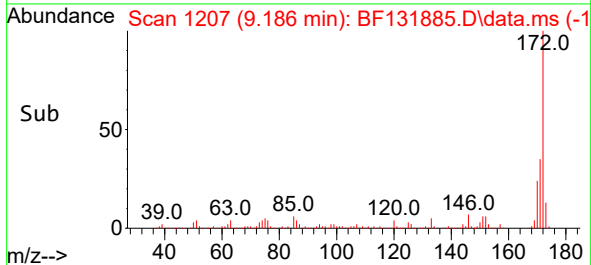
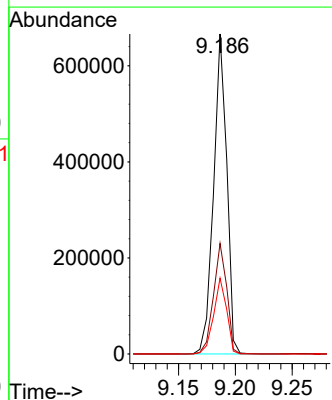
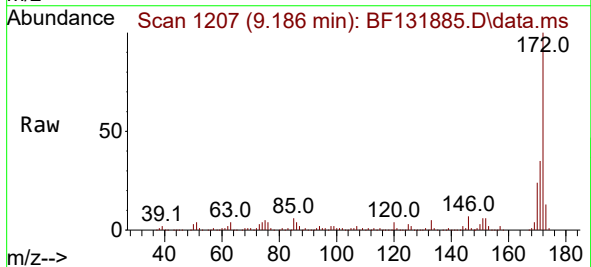
Instrument :
BNA_F
ClientSampleId :
TP-4

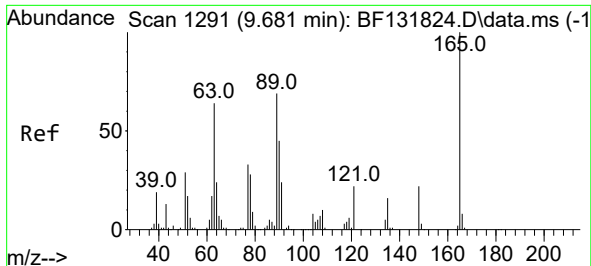
Tgt Ion:330 Resp: 96894
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.4
141 42.6 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 68.466 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

Tgt Ion:172 Resp: 535539
Ion Ratio Lower Upper
172 100
171 34.6 27.9 41.9
170 23.7 18.7 28.1

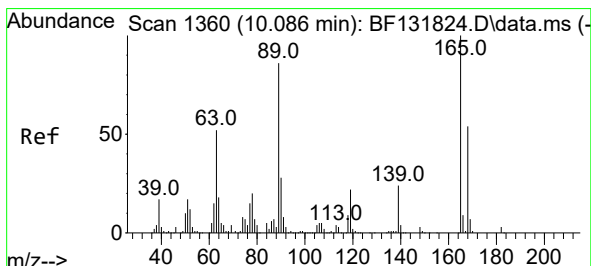
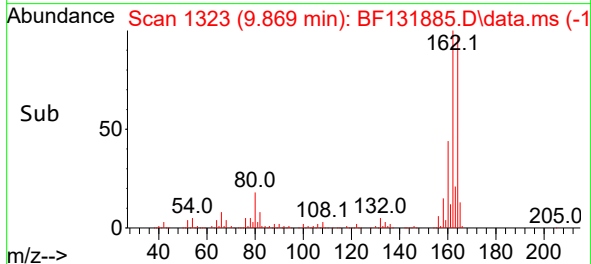
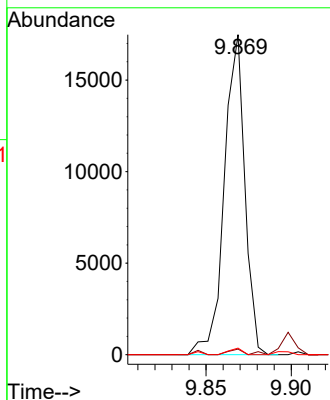
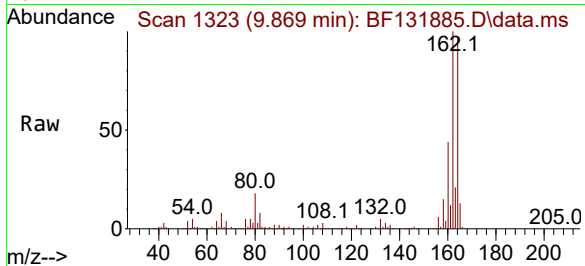




#51
2,6-Dinitrotoluene
Concen: 8.360 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

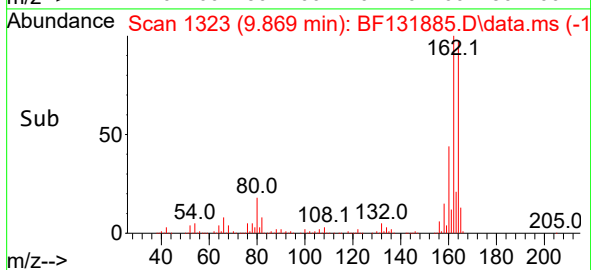
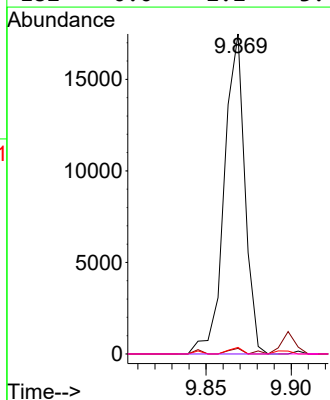
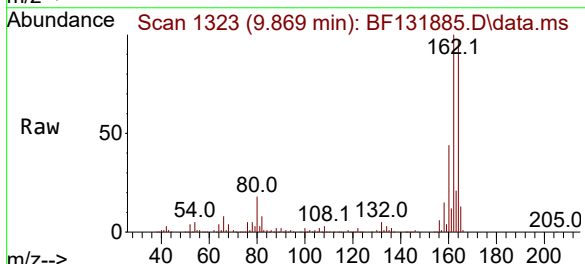
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TP-4

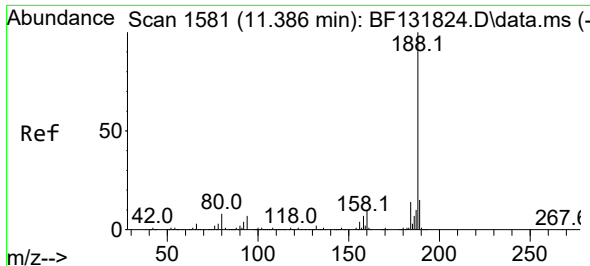
Tgt Ion:165 Resp: 14668
Ion Ratio Lower Upper
165 100
63 1.7 55.1 82.7#
89 2.1 55.0 82.4#



#57
2,4-Dinitrotoluene
Concen: 6.113 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.200 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

Tgt Ion:165 Resp: 14668
Ion Ratio Lower Upper
165 100
63 1.7 42.1 63.1#
89 2.1 69.1 103.7#
182 0.0 2.2 3.4#

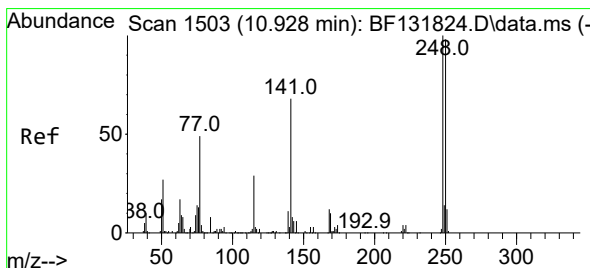
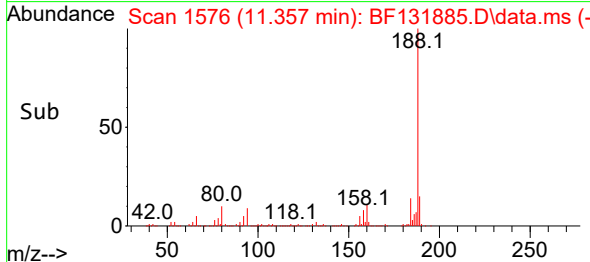
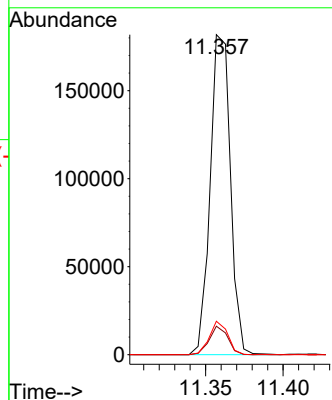
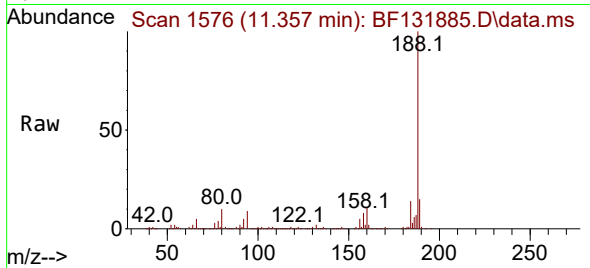




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

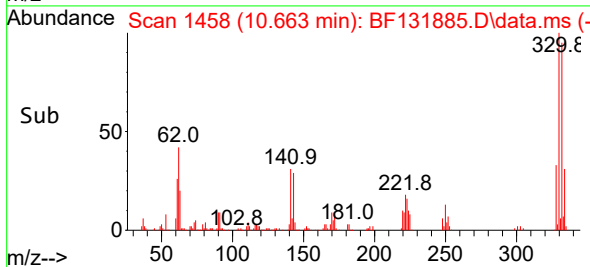
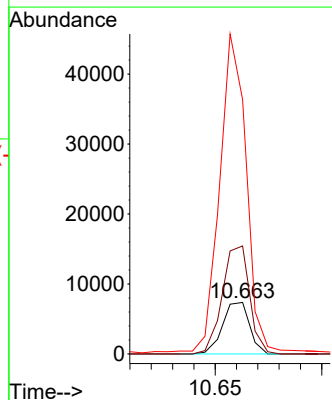
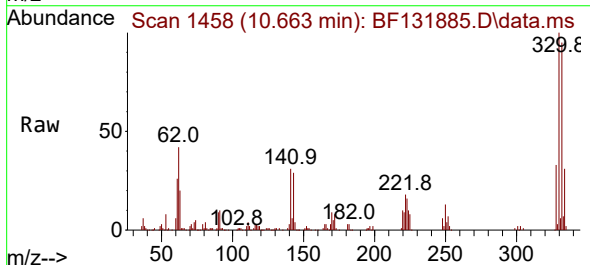
Instrument :
BNA_F
ClientSampleId :
TP-4

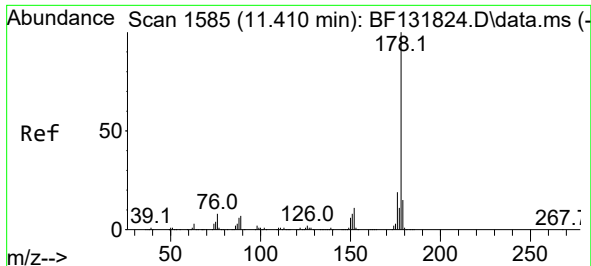
Tgt Ion:188 Resp: 165249
Ion Ratio Lower Upper
188 100
94 8.9 5.8 8.6#
80 10.4 6.7 10.1#



#67
4-Bromophenyl-phenylether
Concen: 3.395 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.241 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

Tgt Ion:248 Resp: 6503
Ion Ratio Lower Upper
248 100
250 209.9 78.0 117.0#
141 494.3 54.8 82.2#

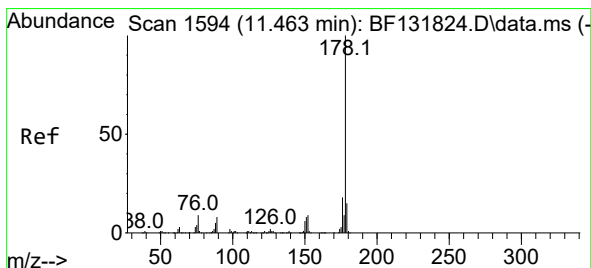
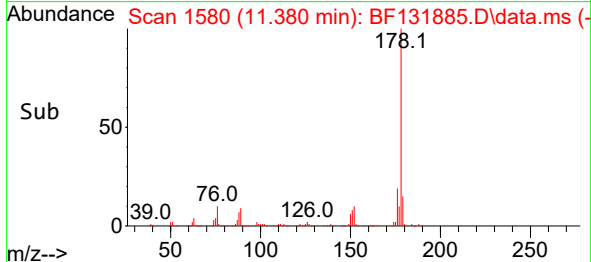
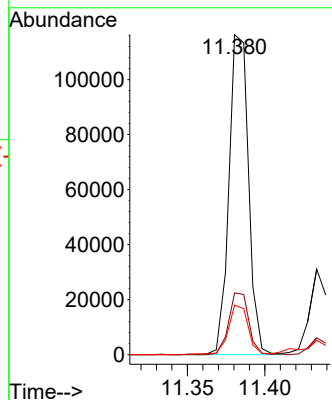
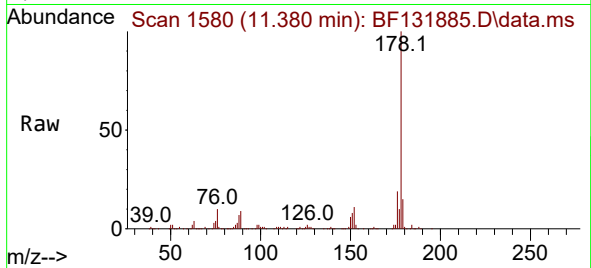




#71
Phenanthrene
Concen: 11.256 ng
RT: 11.380 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

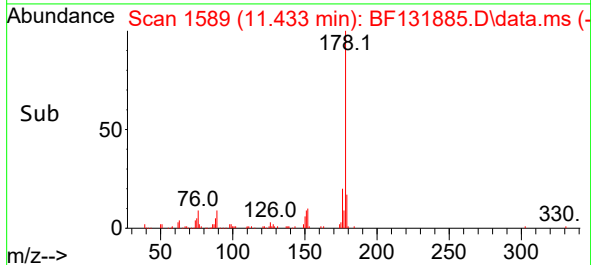
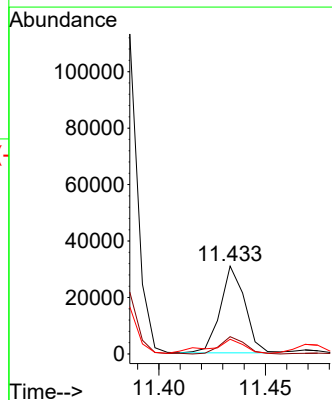
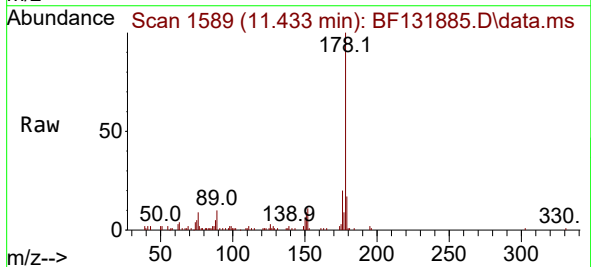
Instrument :
BNA_F
ClientSampleId :
TP-4

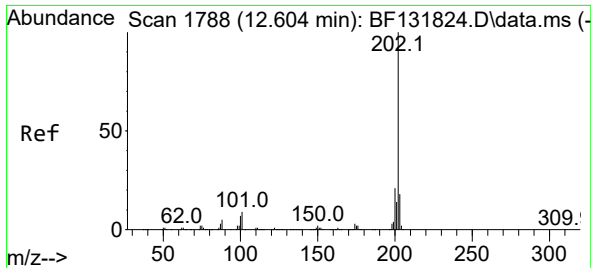
Tgt Ion:178 Resp: 102284
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.4 12.2 18.4



#72
Anthracene
Concen: 2.771 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

Tgt Ion:178 Resp: 24634
Ion Ratio Lower Upper
178 100
176 19.7 14.8 22.2
179 16.8 12.2 18.2

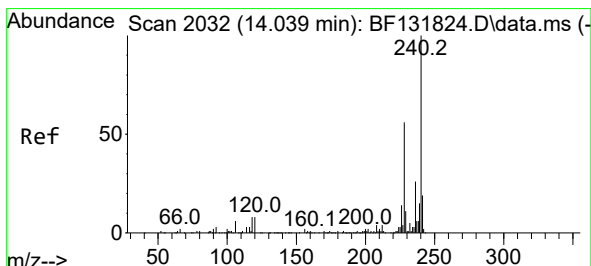
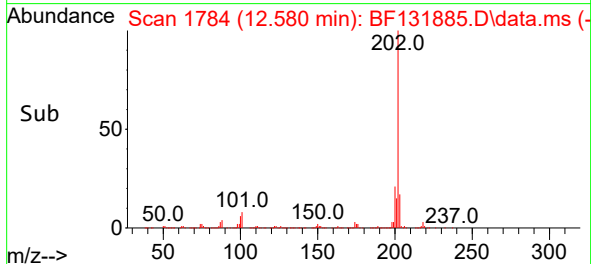
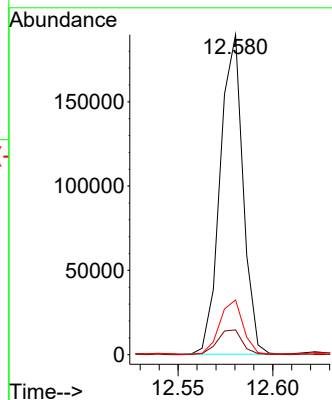
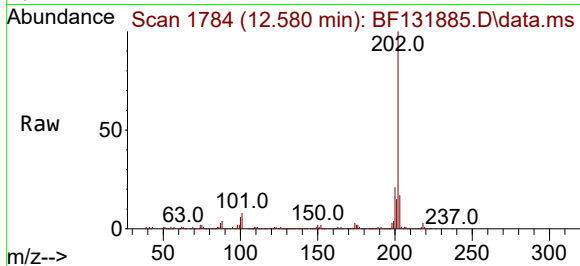




#75
Fluoranthene
Concen: 15.010 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

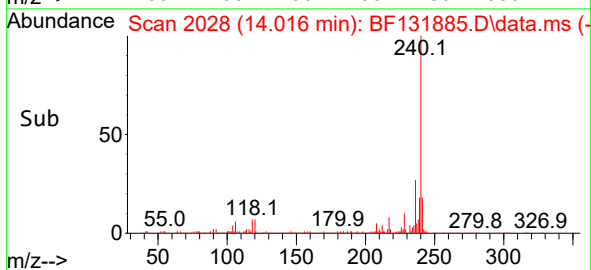
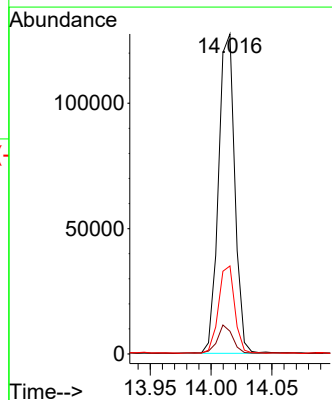
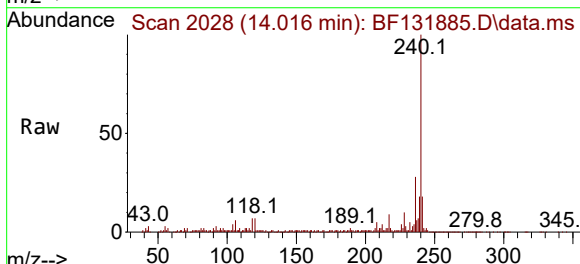
Instrument :
BNA_F
ClientSampleId :
TP-4

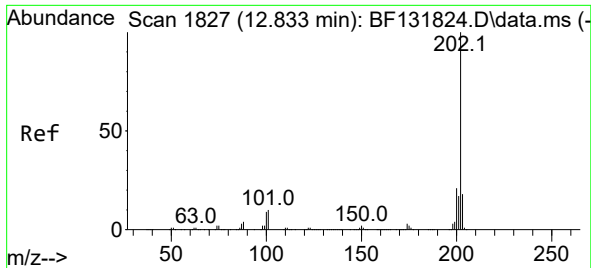
Tgt Ion:202 Resp: 158878
Ion Ratio Lower Upper
202 100
101 7.8 0.0 28.6
203 17.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

Tgt Ion:240 Resp: 119436
Ion Ratio Lower Upper
240 100
120 7.1 6.7 10.1
236 27.5 20.6 31.0

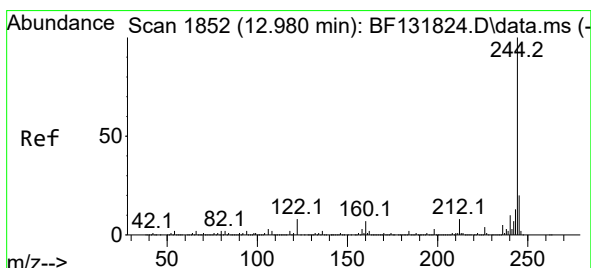
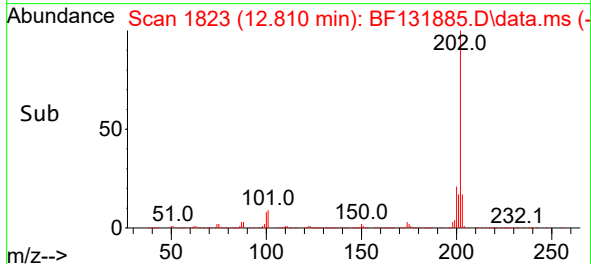
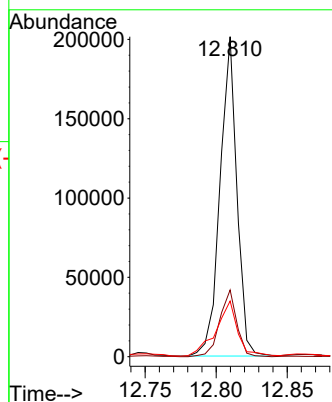
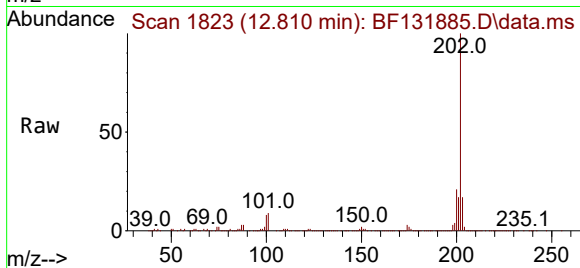




#78
 Pyrene
 Concen: 16.586 ng
 RT: 12.810 min Scan# 1827
 Delta R.T. -0.006 min
 Lab File: BF131885.D
 Acq: 29 Dec 2022 18:55

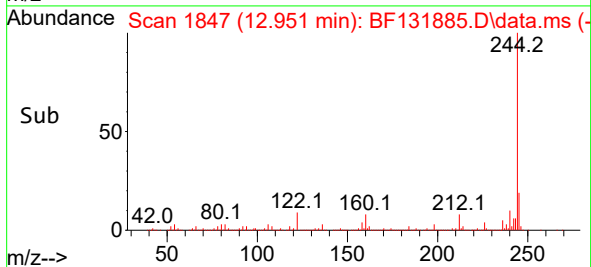
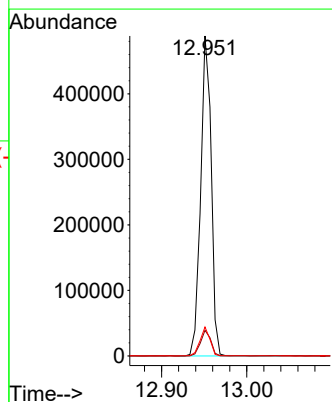
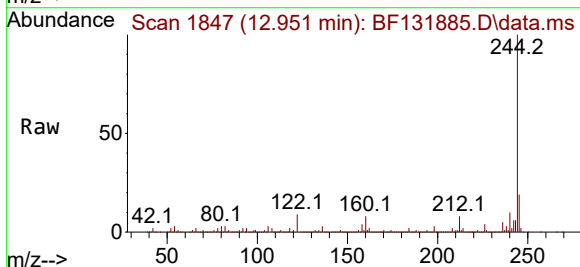
Instrument :
 BNA_F
 ClientSampleId :
 TP-4

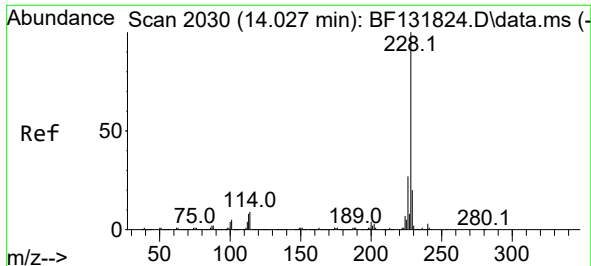
Tgt Ion:202 Resp: 166040
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.7 25.1
 203 17.4 14.4 21.6



#79
 Terphenyl-d14
 Concen: 59.493 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF131885.D
 Acq: 29 Dec 2022 18:55

Tgt Ion:244 Resp: 420072
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.3 9.5
 122 9.1 6.4 9.6

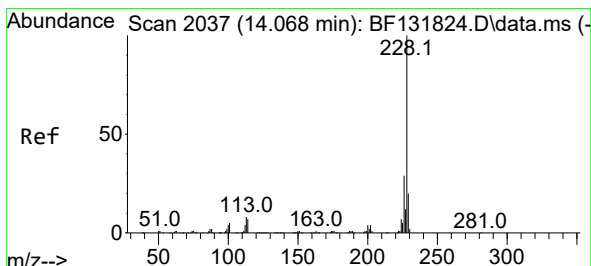
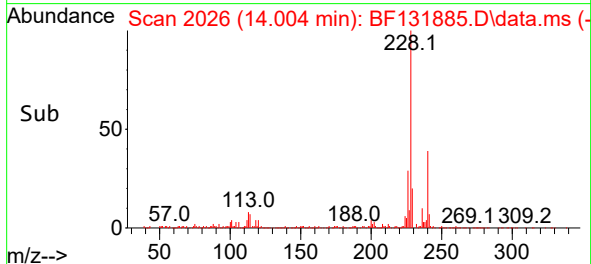
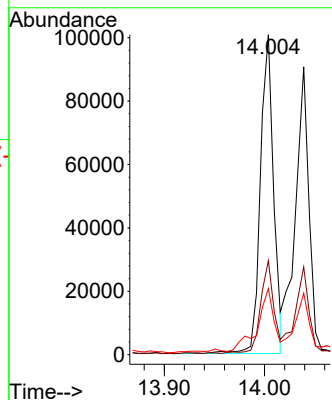
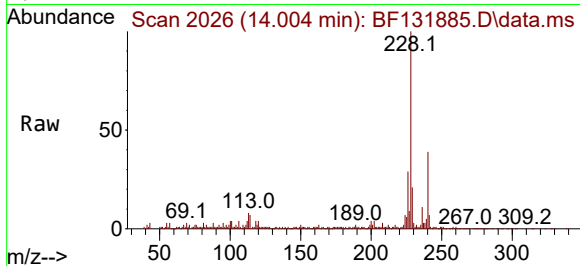




#81
Benzo(a)anthracene
Concen: 10.672 ng
RT: 14.004 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

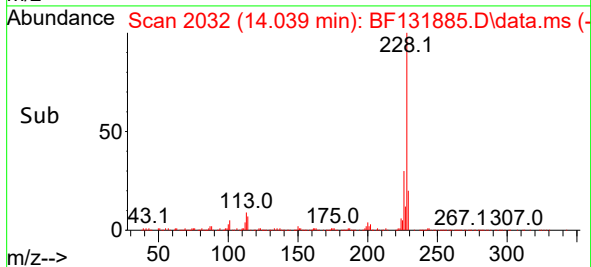
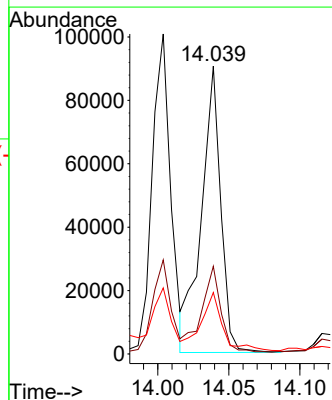
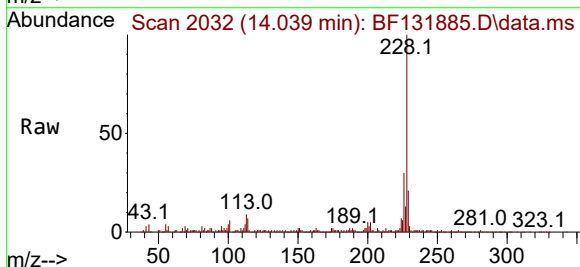
Instrument :
BNA_F
ClientSampleId :
TP-4

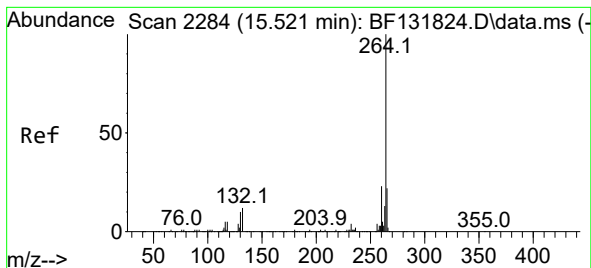
Tgt Ion:228 Resp: 92281
Ion Ratio Lower Upper
228 100
226 29.4 22.0 33.0
229 20.7 16.0 24.0



#83
Chrysene
Concen: 10.567 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

Tgt Ion:228 Resp: 85866
Ion Ratio Lower Upper
228 100
226 30.5 23.5 35.3
229 21.4 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: BF131885.D

Acq: 29 Dec 2022 18:55

Instrument :

BNA_F

ClientSampleId :

TP-4

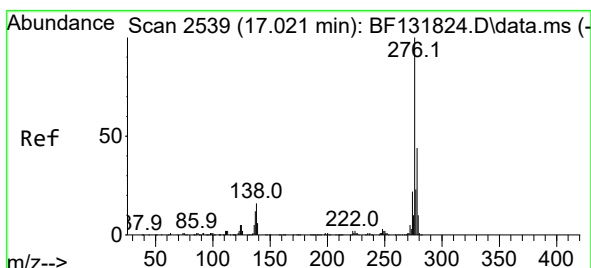
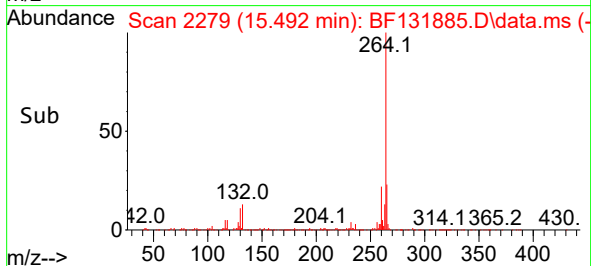
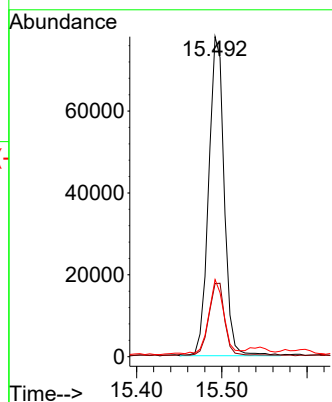
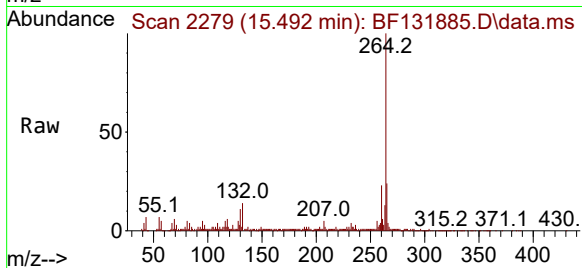
Tgt Ion:264 Resp: 98555

Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 24.1 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.282 ng

RT: 16.974 min Scan# 2531

Delta R.T. -0.006 min

Lab File: BF131885.D

Acq: 29 Dec 2022 18:55

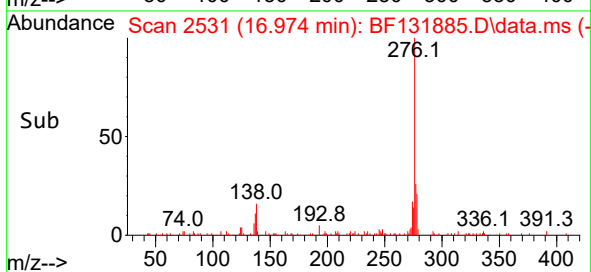
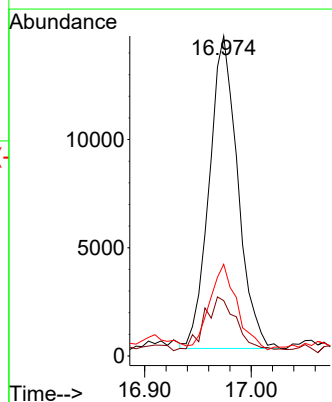
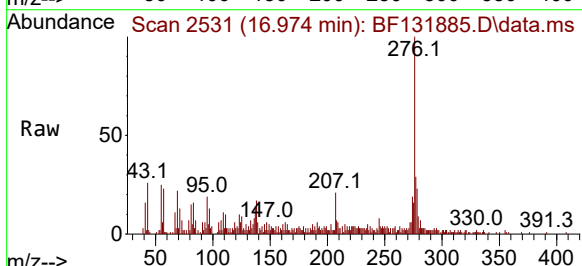
Tgt Ion:276 Resp: 26812

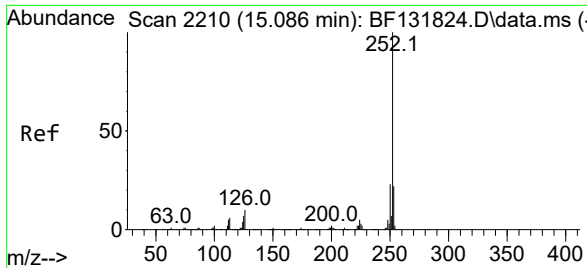
Ion Ratio Lower Upper

276 100

138 19.4 14.5 21.7

277 26.3 19.7 29.5

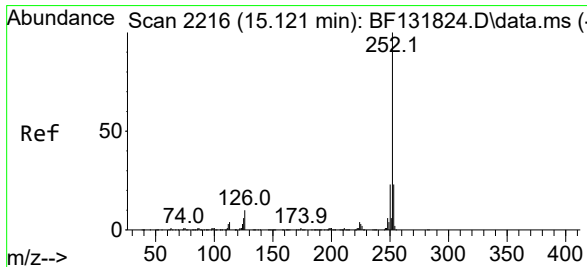
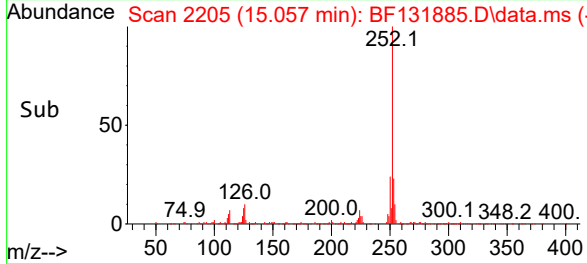
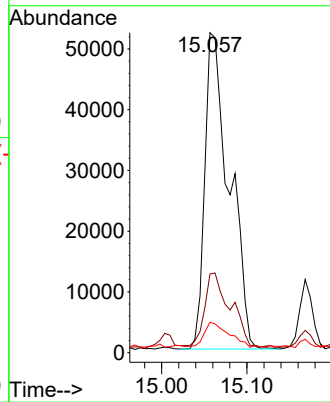
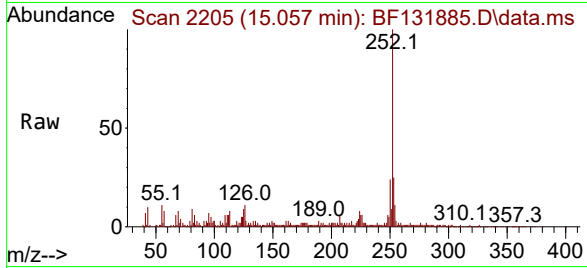




#88
Benzo(b)fluoranthene
Concen: 14.434 ng
RT: 15.057 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

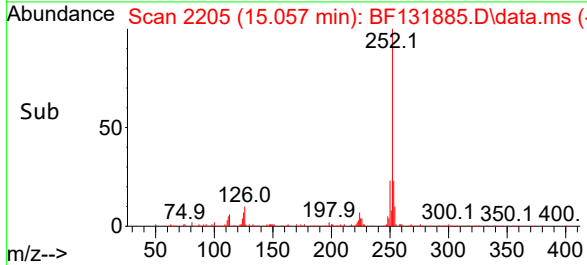
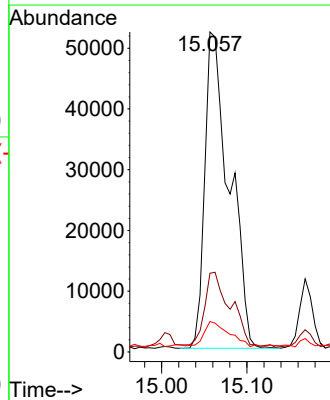
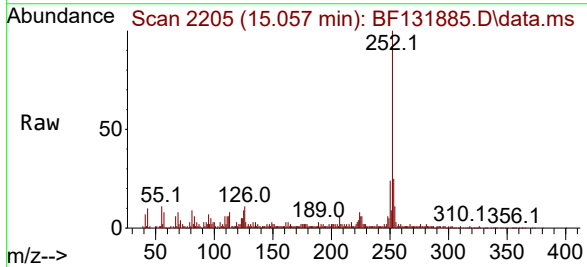
Instrument :
BNA_F
ClientSampleId :
TP-4

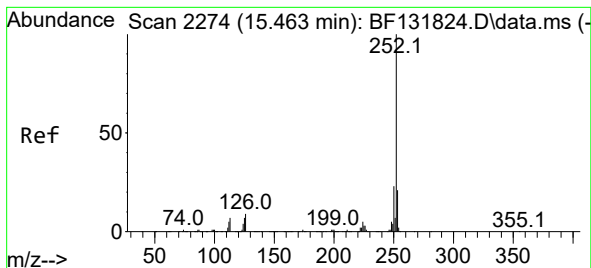
Tgt Ion:252 Resp: 104305
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 9.5 5.8 8.8#



#89
Benzo(k)fluoranthene
Concen: 14.939 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.035 min
Lab File: BF131885.D
Acq: 29 Dec 2022 18:55

Tgt Ion:252 Resp: 104305
Ion Ratio Lower Upper
252 100
253 24.6 17.7 26.5
125 9.5 5.4 8.0#





#90

Benzo(a)pyrene

Concen: 9.985 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131885.D

Acq: 29 Dec 2022 18:55

Instrument :

BNA_F

ClientSampleId :

TP-4

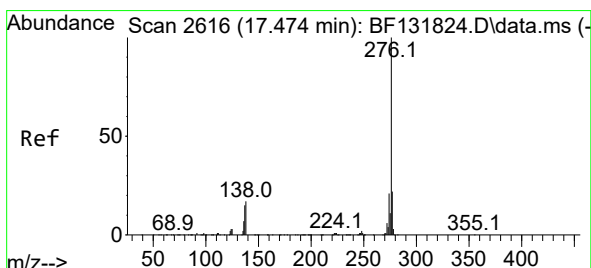
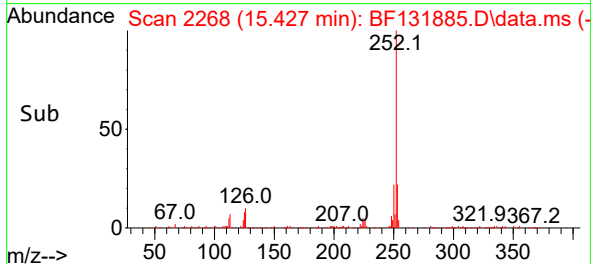
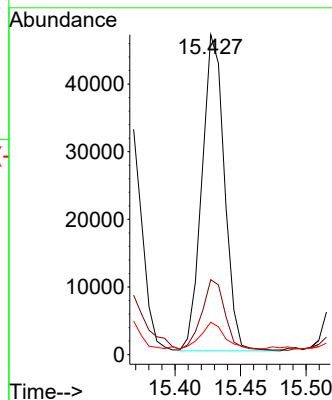
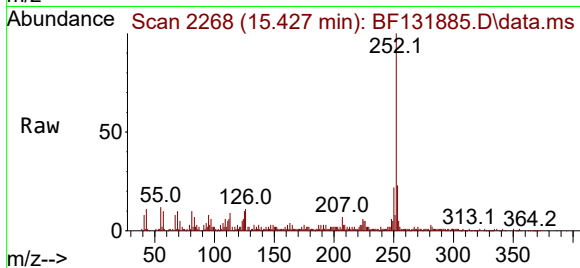
Tgt Ion:252 Resp: 55865

Ion Ratio Lower Upper

252 100

253 23.5 16.6 24.8

125 10.1 5.8 8.8#



#92

Benzo(g,h,i)perylene

Concen: 9.041 ng

RT: 17.421 min Scan# 2607

Delta R.T. -0.006 min

Lab File: BF131885.D

Acq: 29 Dec 2022 18:55

Tgt Ion:276 Resp: 25840

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 18.3 13.7 20.5

