

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020323\
 Data File : BF132328.D
 Acq On : 03 Feb 2023 18:35
 Operator : CG\JU
 Sample : 01416-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-01-SB01

Quant Time: Feb 04 01:40:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 04 01:32:42 2023
 Response via : Initial Calibration

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

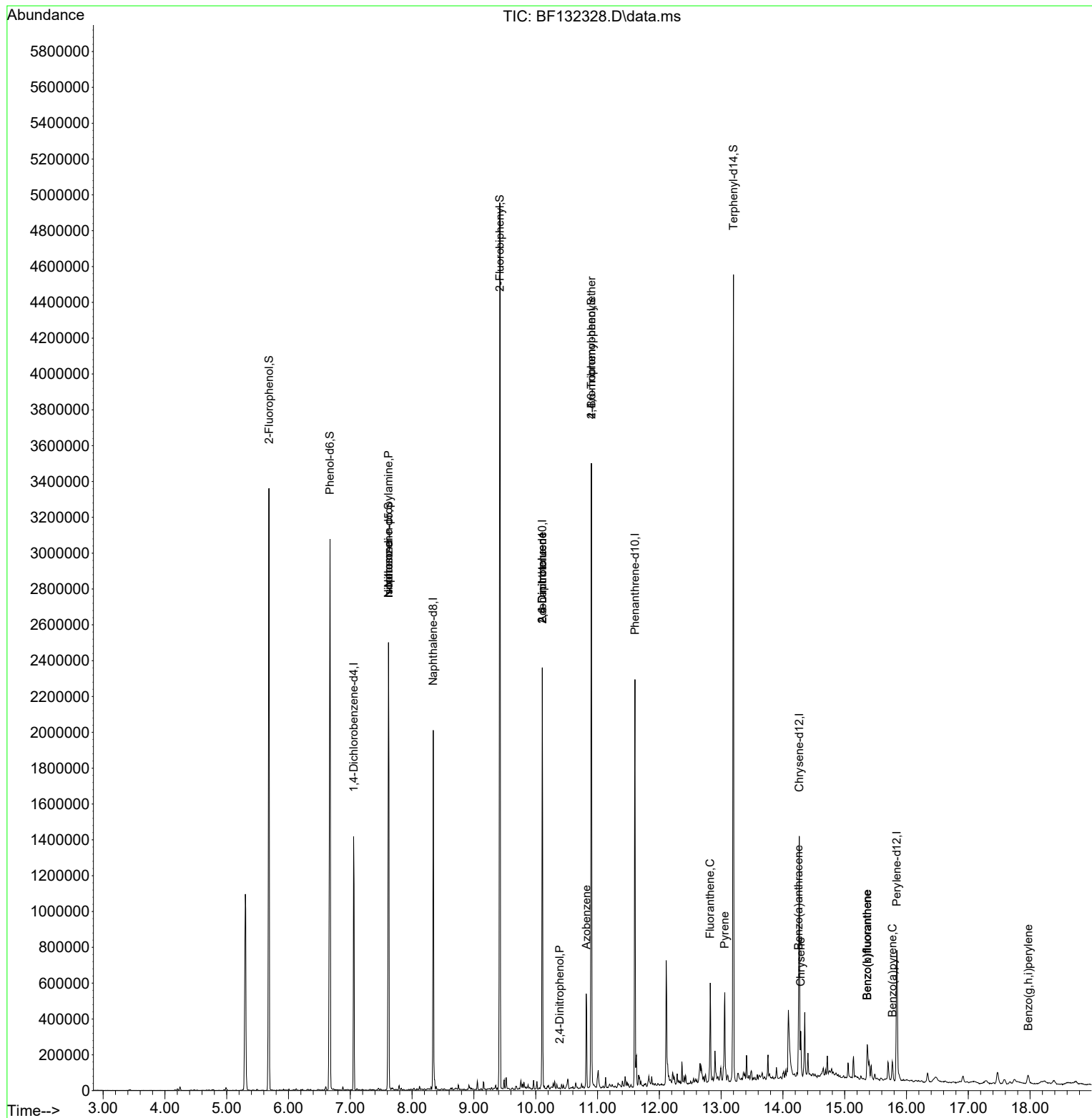
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.054	152	215179	20.000	ng	0.00
21) Naphthalene-d8	8.342	136	853309	20.000	ng	0.00
39) Acenaphthene-d10	10.107	164	448808	20.000	ng	0.00
64) Phenanthrene-d10	11.607	188	798370	20.000	ng	0.00
76) Chrysene-d12	14.265	240	392496	20.000	ng	0.00
86) Perylene-d12	15.842	264	346134	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.684	112	1131205	84.502	ng	0.00
7) Phenol-d6	6.672	99	1410326	85.453	ng	0.00
23) Nitrobenzene-d5	7.619	82	895678	58.410	ng	-0.01
42) 2,4,6-Tribromophenol	10.901	330	447484	96.955	ng	0.00
45) 2-Fluorobiphenyl	9.419	172	1614688	55.558	ng	0.00
79) Terphenyl-d14	13.201	244	1526278	75.222	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.607	77	865	Below Cal	#	87
19) n-Nitroso-di-n-propyla...	7.619	70	113185	12.074	ng	# 78
25) Isophorone	7.619	82	893547	30.701	ng	# 64
51) 2,6-Dinitrotoluene	10.107	165	59505	8.487	ng	# 24
54) 2,4-Dinitrophenol	10.389	184	238	4.383	ng	# 19
57) 2,4-Dinitrotoluene	10.107	165	59505	6.533	ng	# 23
63) Azobenzene	10.819	77	79967	2.629	ng	# 1
67) 4-Bromophenyl-phenylether	10.901	248	25644	3.137	ng	# 1
75) Fluoranthene	12.824	202	191356	4.495	ng	99
78) Pyrene	13.060	202	177583	5.625	ng	98
81) Benzo(a)anthracene	14.254	228	84423	3.075	ng	97
83) Chrysene	14.289	228	105518	4.105	ng	98
88) Benzo(b)fluoranthene	15.365	252	154280	7.012	ng	98
89) Benzo(k)fluoranthene	15.365	252	154280	7.346	ng	98
90) Benzo(a)pyrene	15.771	252	52159	2.546	ng	99
92) Benzo(g,h,i)perylene	17.971	276	40994	2.146	ng	99

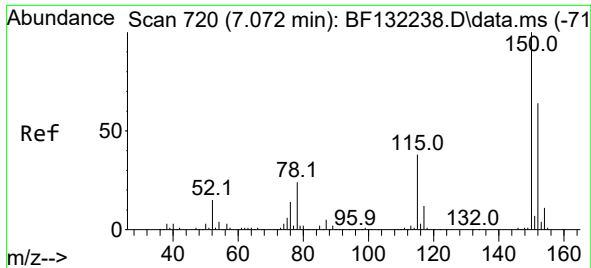
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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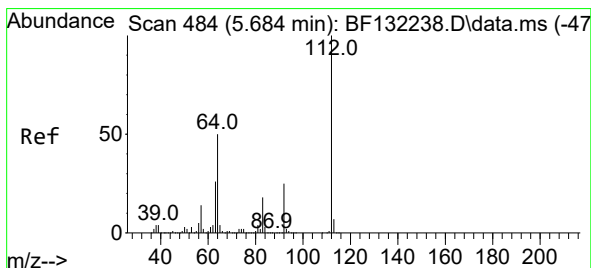
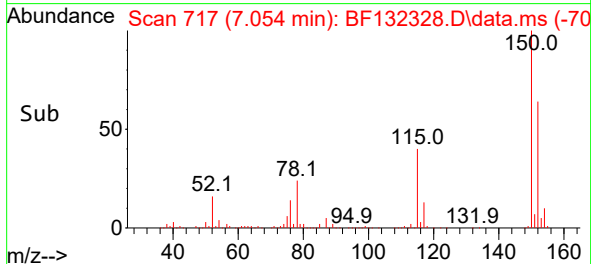
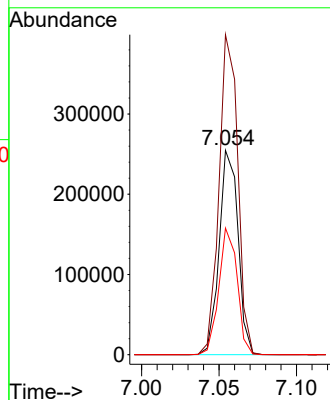
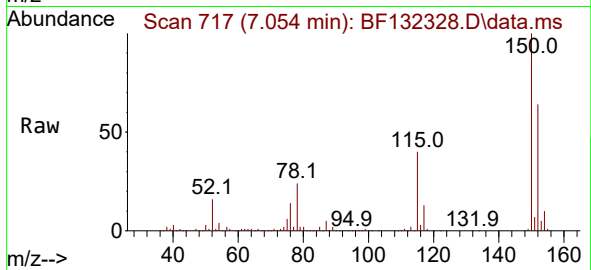




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.054 min Scan# 717
Delta R.T. -0.006 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

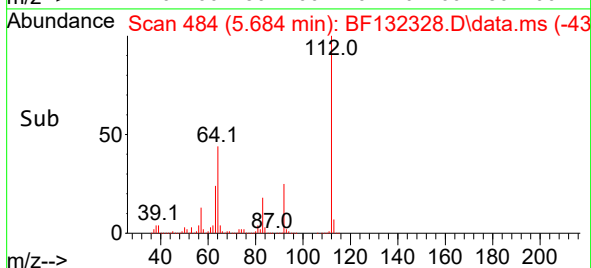
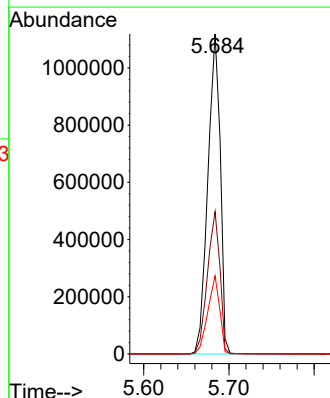
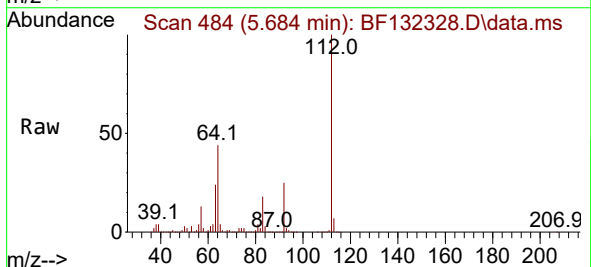
Instrument :
BNA_F
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B-01-SB01

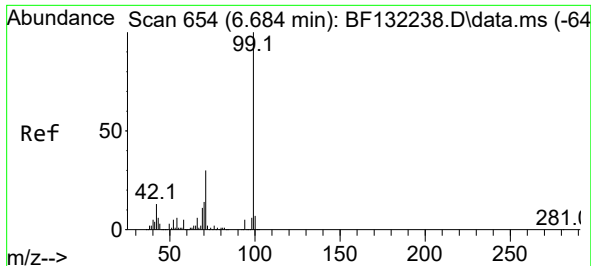
Tgt Ion:152 Resp: 215179
Ion Ratio Lower Upper
152 100
150 156.6 124.2 186.2
115 61.9 47.3 70.9



#5
2-Fluorophenol
Concen: 84.502 ng
RT: 5.684 min Scan# 484
Delta R.T. 0.006 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

Tgt Ion:112 Resp: 1131205
Ion Ratio Lower Upper
112 100
64 44.5 40.0 60.0
63 24.4 20.5 30.7





#7

Phenol-d6

Concen: 85.453 ng

RT: 6.672 min Scan# 61

Delta R.T. -0.006 min

Lab File: BF132328.D

Acq: 03 Feb 2023 18:35

Instrument :

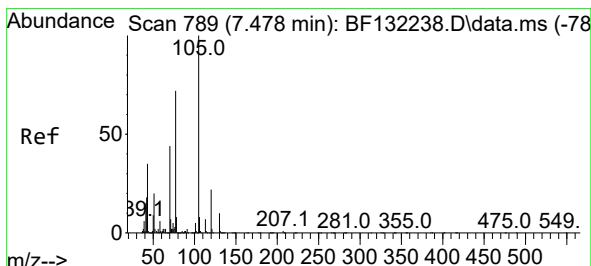
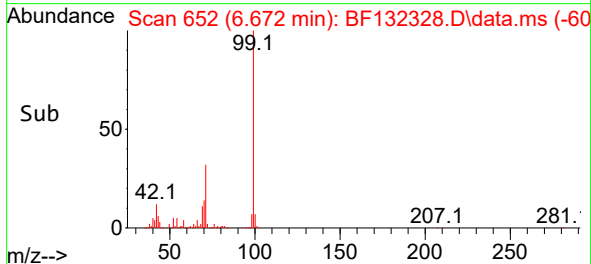
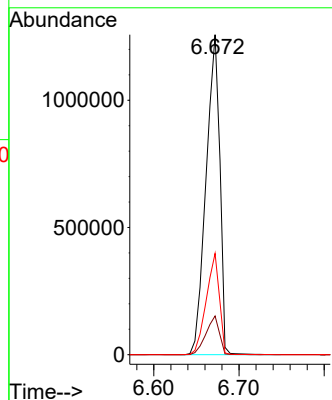
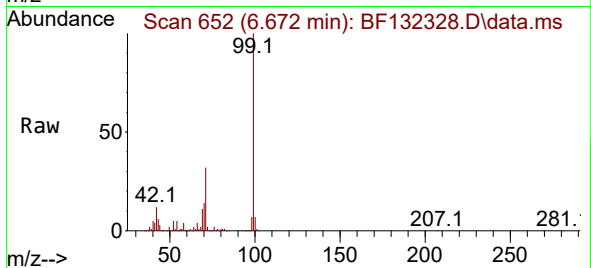
BNA_F

ClientSampleId :

B-01-SB01

Tgt Ion: 99 Resp: 1410326

Ion	Ratio	Lower	Upper
99	100		
42	12.1	10.1	15.1
71	31.7	24.2	36.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.074 ng

RT: 7.619 min Scan# 813

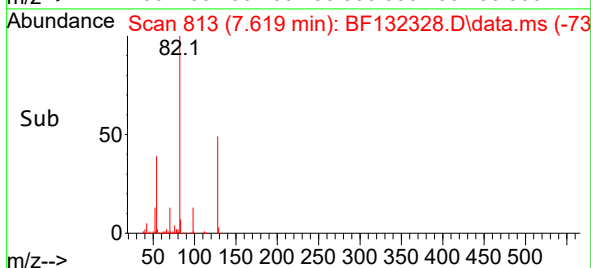
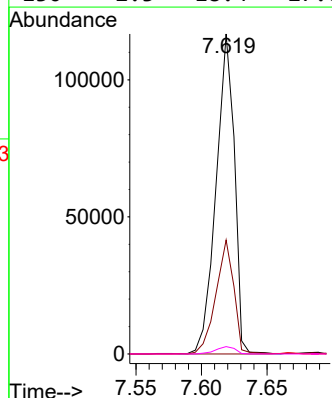
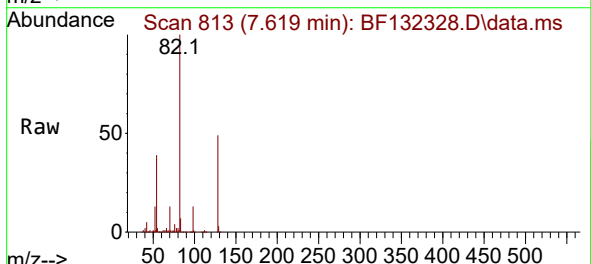
Delta R.T. 0.147 min

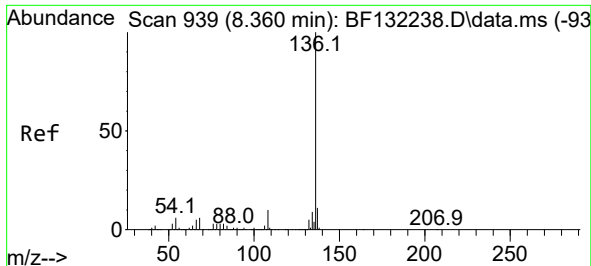
Lab File: BF132328.D

Acq: 03 Feb 2023 18:35

Tgt Ion: 70 Resp: 113185

Ion	Ratio	Lower	Upper
70	100		
42	35.6	33.4	50.0
101	0.0	8.2	12.4#
130	2.3	18.4	27.6#

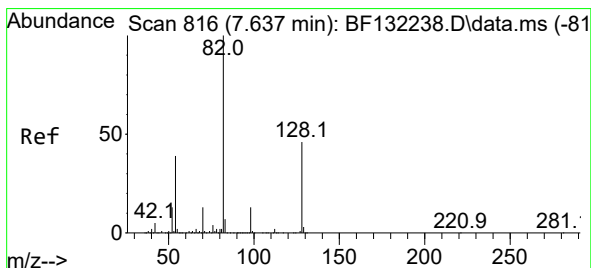
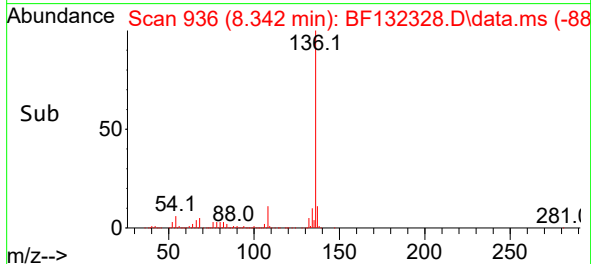
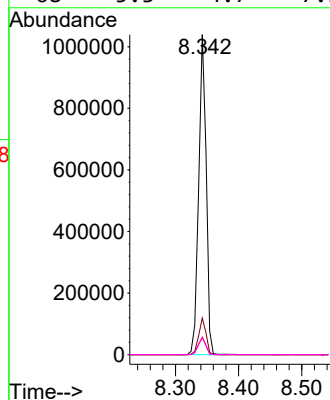
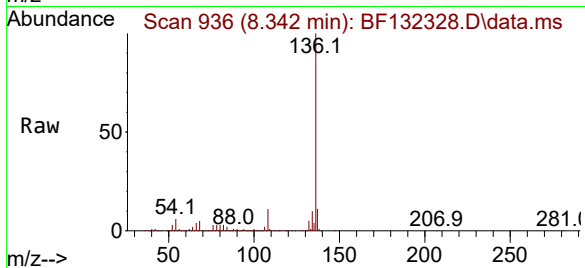




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.342 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

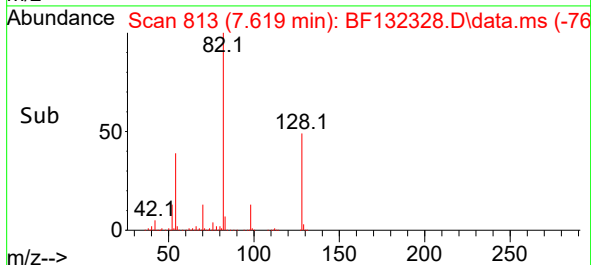
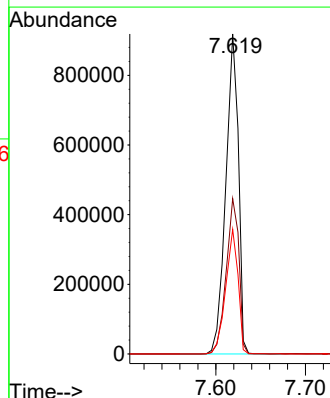
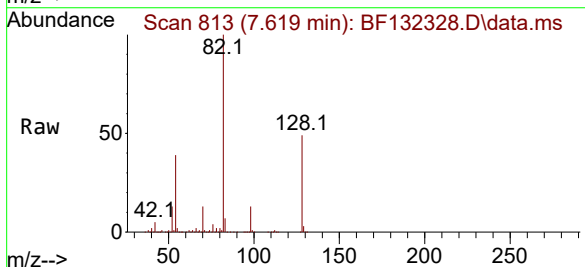
Instrument :
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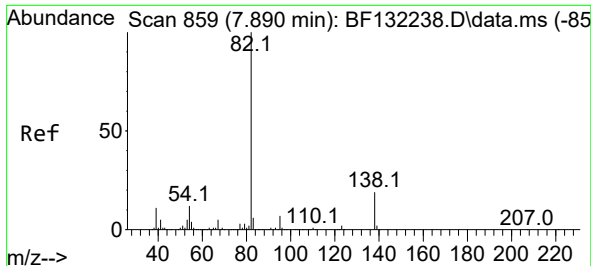
Tgt Ion:136 Resp: 853309
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 5.5 4.9 7.3
68 5.3 4.7 7.1



#23
Nitrobenzene-d5
Concen: 58.410 ng
RT: 7.619 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

Tgt Ion: 82 Resp: 895678
Ion Ratio Lower Upper
82 100
128 48.5 37.0 55.4
54 39.0 31.5 47.3

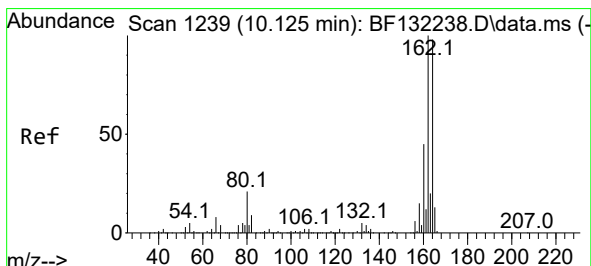
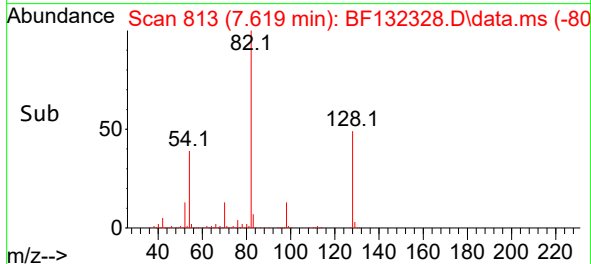
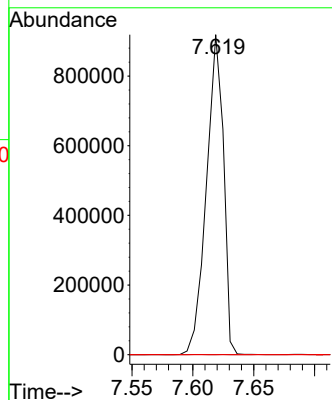
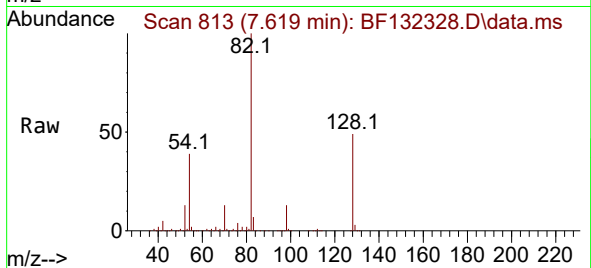




#25
Isophorone
Concen: 30.701 ng
RT: 7.619 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

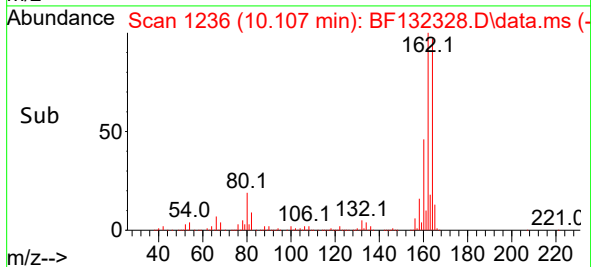
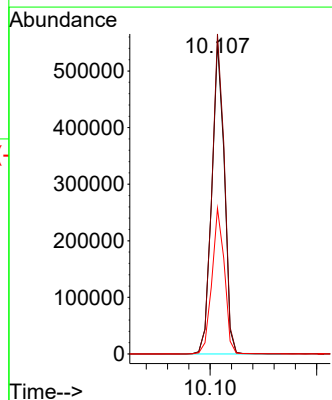
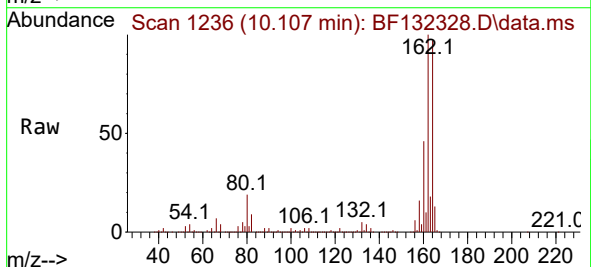
Instrument :
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ClientSampleId :
B-01-SB01

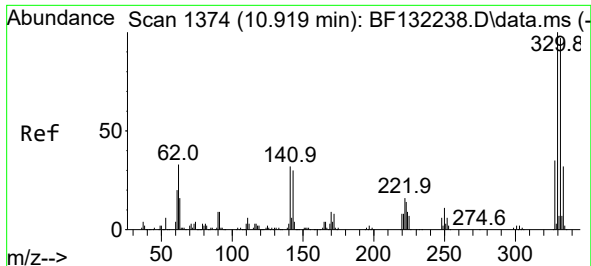
Tgt Ion: 82 Resp: 893547
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.0 22.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.107 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

Tgt Ion:164 Resp: 448808
Ion Ratio Lower Upper
164 100
162 102.7 82.0 123.0
160 46.7 37.1 55.7

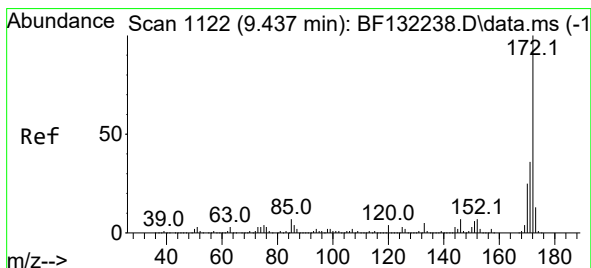
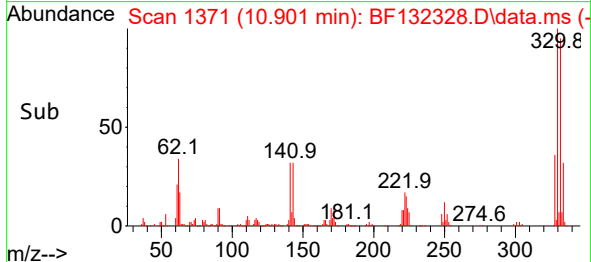
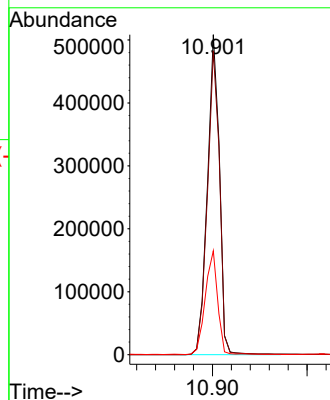
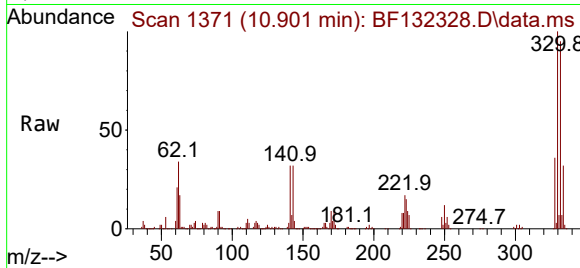




#42
 2,4,6-Tribromophenol
 Concen: 96.955 ng
 RT: 10.901 min Scan# 1119
 Delta R.T. -0.006 min
 Lab File: BF132328.D
 Acq: 03 Feb 2023 18:35

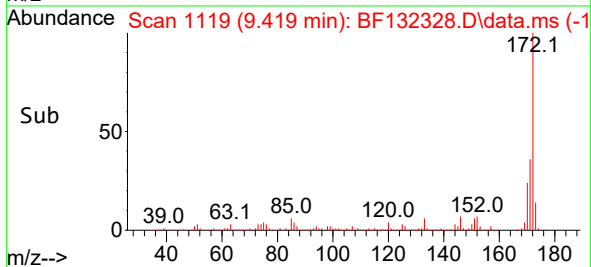
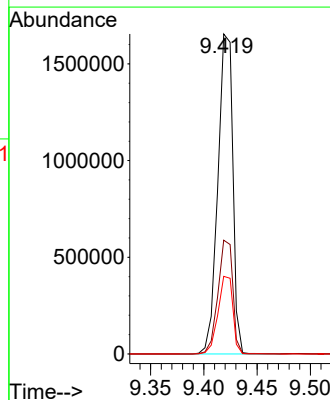
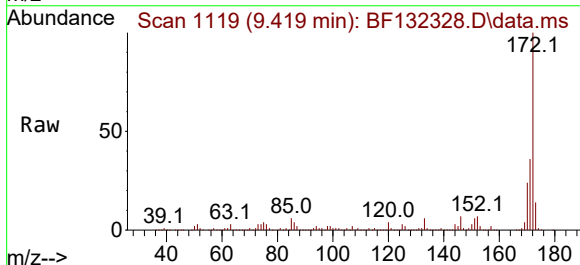
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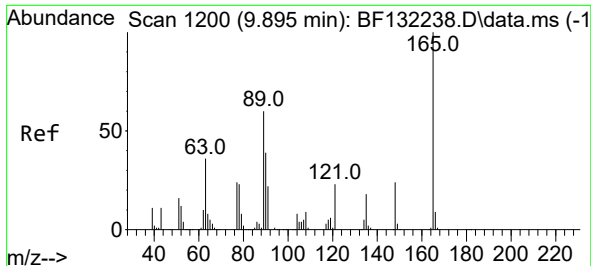
Tgt Ion: 330 Resp: 447484
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.9 116.9
 141 33.2 31.0 46.4



#45
 2-Fluorobiphenyl
 Concen: 55.558 ng
 RT: 9.419 min Scan# 1119
 Delta R.T. -0.006 min
 Lab File: BF132328.D
 Acq: 03 Feb 2023 18:35

Tgt Ion: 172 Resp: 1614688
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 43.0
 170 24.3 19.7 29.5

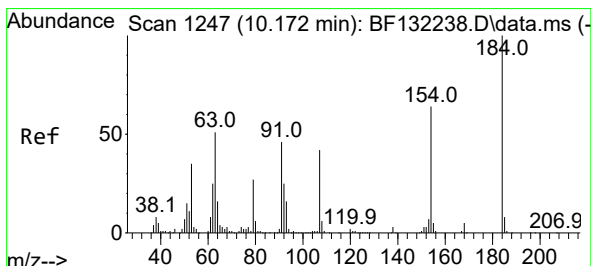
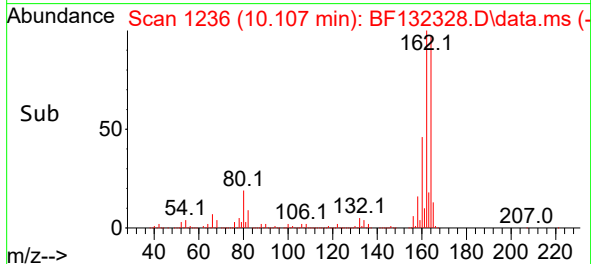
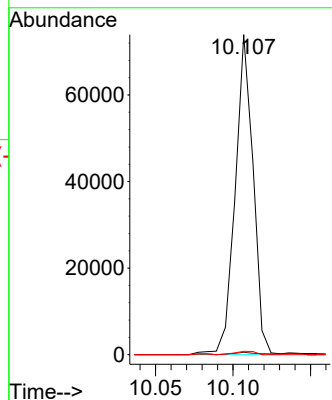
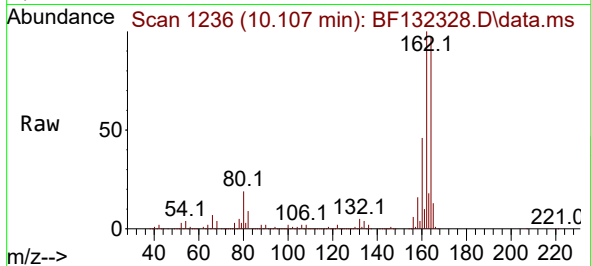




#51
2,6-Dinitrotoluene
Concen: 8.487 ng
RT: 10.107 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

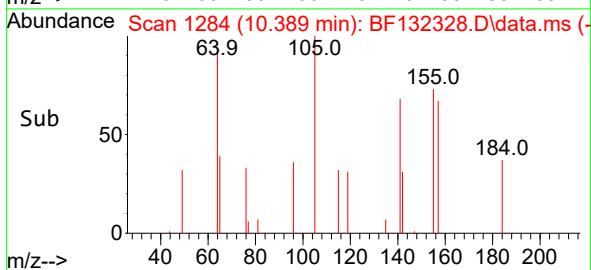
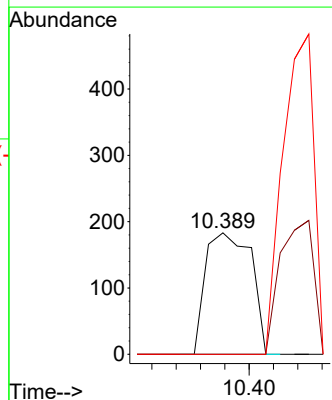
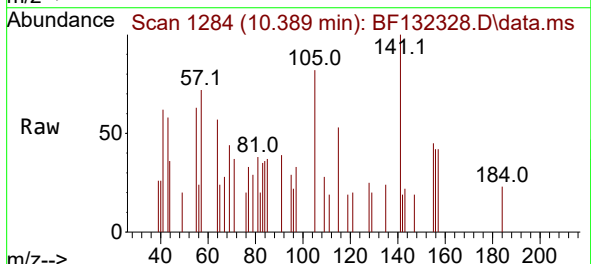
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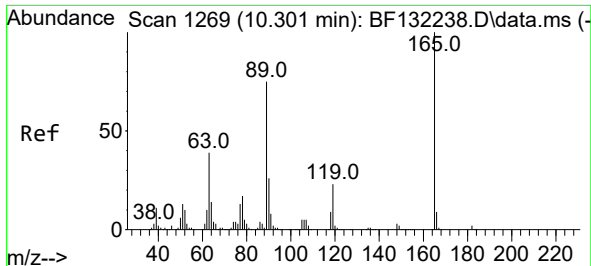
Tgt Ion:165 Resp: 59505
Ion Ratio Lower Upper
165 100
63 0.8 41.5 62.3#
89 1.0 48.1 72.1#



#54
2,4-Dinitrophenol
Concen: 4.383 ng
RT: 10.389 min Scan# 1284
Delta R.T. 0.223 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

Tgt Ion:184 Resp: 238
Ion Ratio Lower Upper
184 100
63 0.0 41.6 62.4#
154 0.0 57.0 85.6#

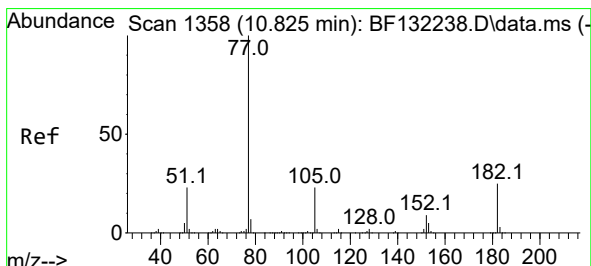
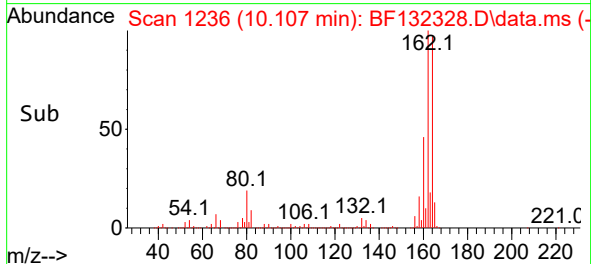
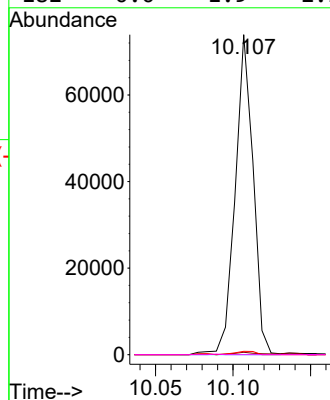
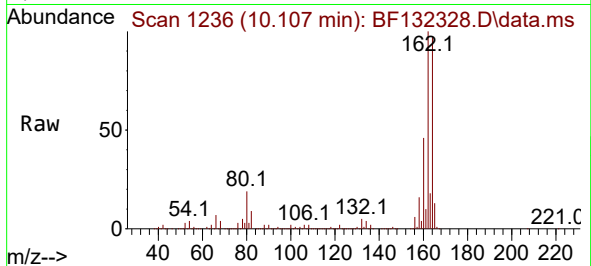




#57
2,4-Dinitrotoluene
Concen: 6.533 ng
RT: 10.107 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

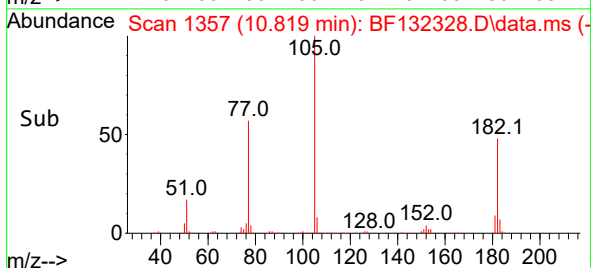
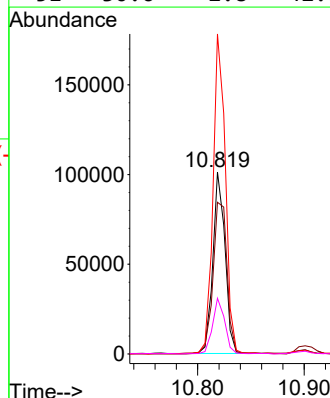
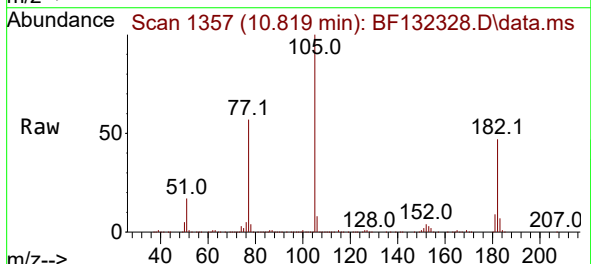
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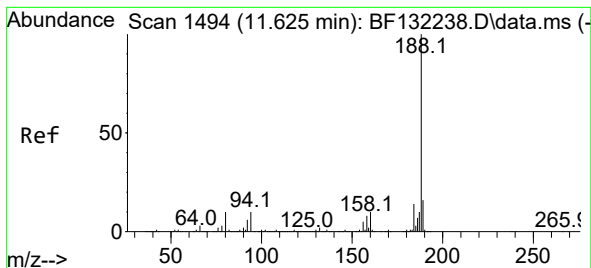
Tgt Ion:165 Resp: 59505
Ion Ratio Lower Upper
165 100
63 0.8 30.9 46.3#
89 1.0 60.1 90.1#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 2.629 ng
RT: 10.819 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

Tgt Ion: 77 Resp: 79967
Ion Ratio Lower Upper
77 100
182 83.3 4.5 44.5#
105 175.8 2.7 42.7#
51 30.6 2.8 42.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.607 min Scan# 1494

Delta R.T. -0.006 min

Lab File: BF132328.D

Acq: 03 Feb 2023 18:35

Instrument :

BNA_F

ClientSampleId :

B-01-SB01

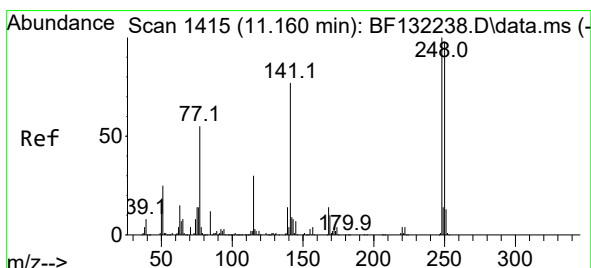
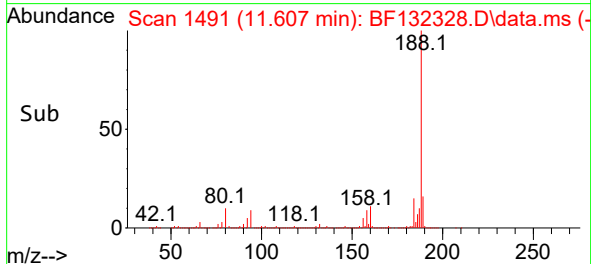
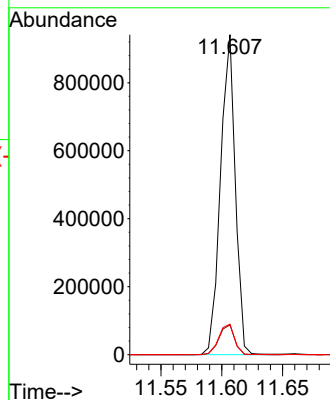
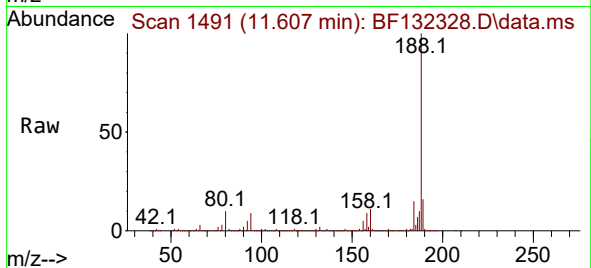
Tgt Ion:188 Resp: 798370

Ion Ratio Lower Upper

188 100

94 9.3 8.2 12.2

80 9.6 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 3.137 ng

RT: 10.901 min Scan# 1371

Delta R.T. -0.247 min

Lab File: BF132328.D

Acq: 03 Feb 2023 18:35

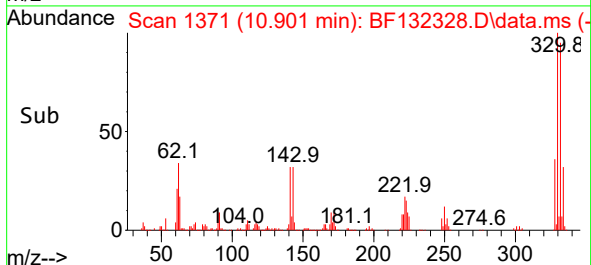
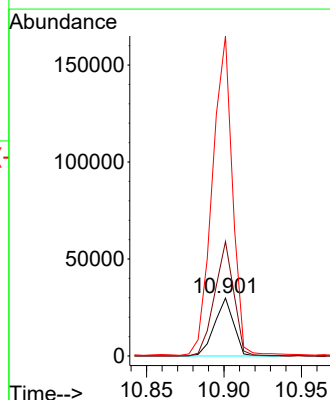
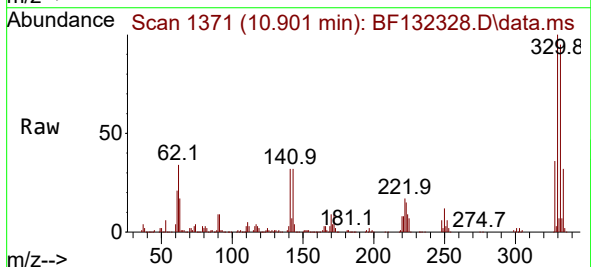
Tgt Ion:248 Resp: 25644

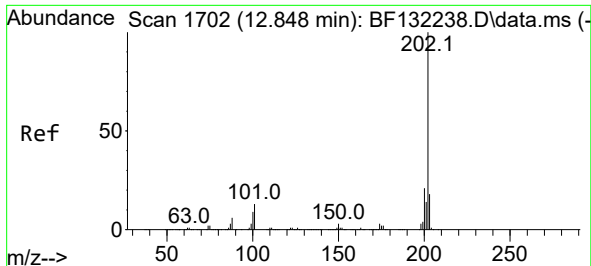
Ion Ratio Lower Upper

248 100

250 197.4 78.6 117.8#

141 552.0 61.6 92.4#

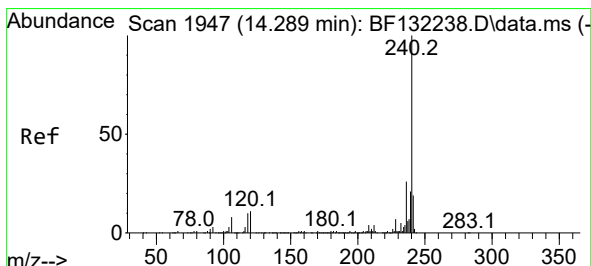
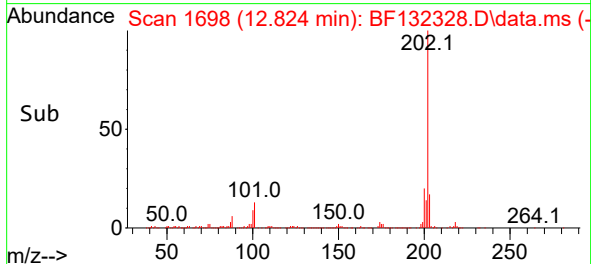
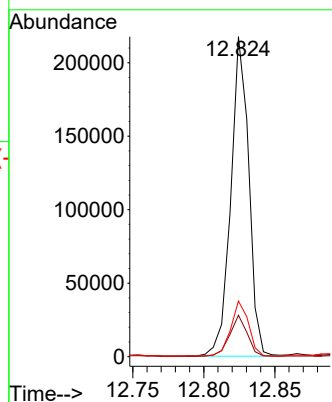
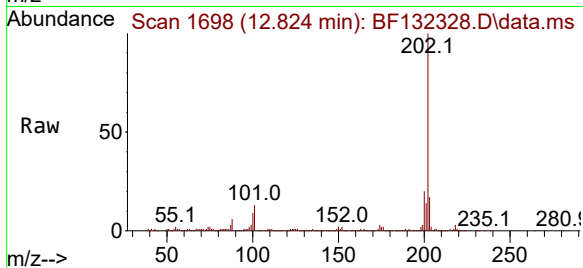




#75
Fluoranthene
Concen: 4.495 ng
RT: 12.824 min Scan# 1698
Delta R.T. -0.012 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

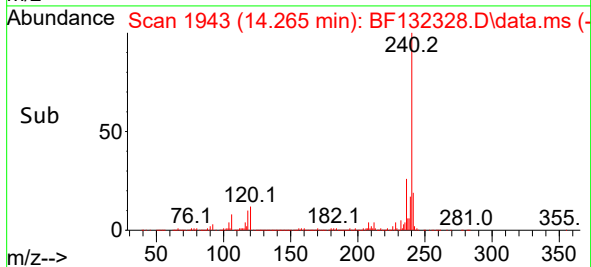
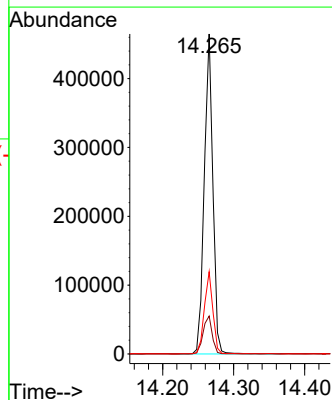
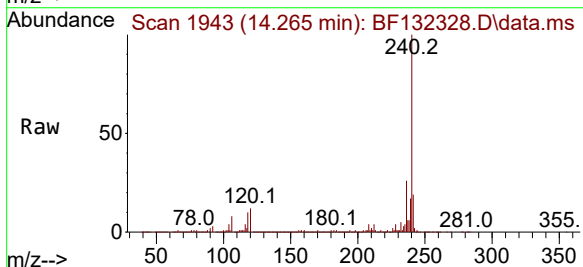
Instrument :
BNA_F
ClientSampleId :
B-01-SB01

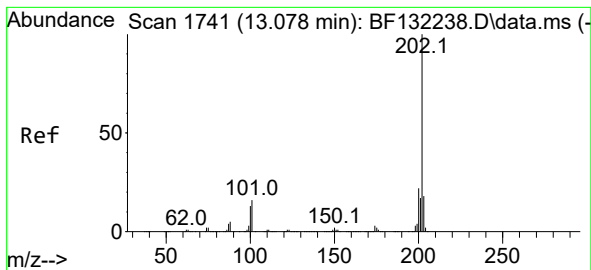
Tgt Ion:202 Resp: 191356
Ion Ratio Lower Upper
202 100
101 12.9 0.0 32.7
203 17.4 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.265 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

Tgt Ion:240 Resp: 392496
Ion Ratio Lower Upper
240 100
120 11.8 8.8 13.2
236 25.7 21.0 31.6





#78

Pyrene

Concen: 5.625 ng

RT: 13.060 min Scan# 1741

Delta R.T. -0.006 min

Lab File: BF132328.D

Acq: 03 Feb 2023 18:35

Instrument :

BNA_F

ClientSampleId :

B-01-SB01

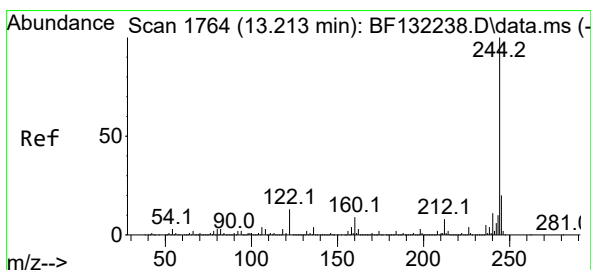
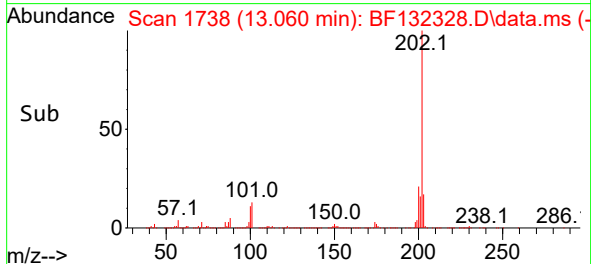
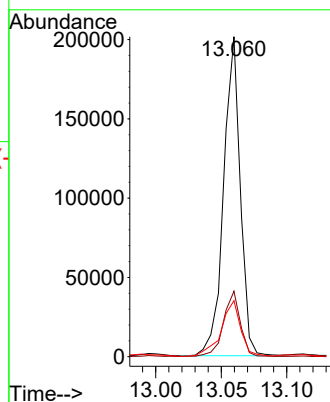
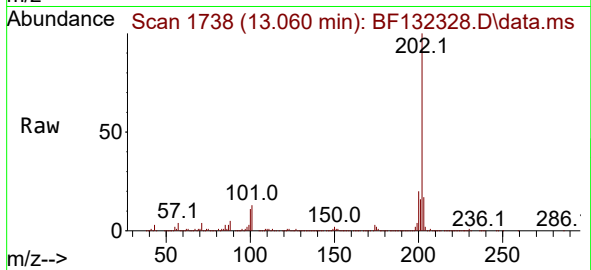
Tgt Ion:202 Resp: 177583

Ion Ratio Lower Upper

202 100

200 20.4 17.3 25.9

203 17.5 14.4 21.6



#79

Terphenyl-d14

Concen: 75.222 ng

RT: 13.201 min Scan# 1762

Delta R.T. -0.000 min

Lab File: BF132328.D

Acq: 03 Feb 2023 18:35

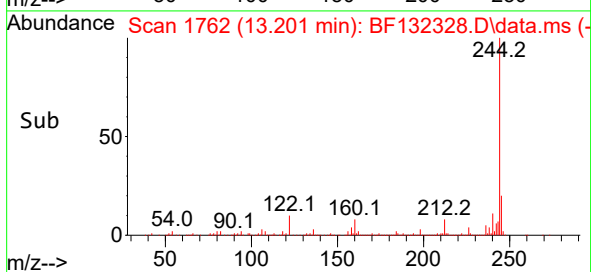
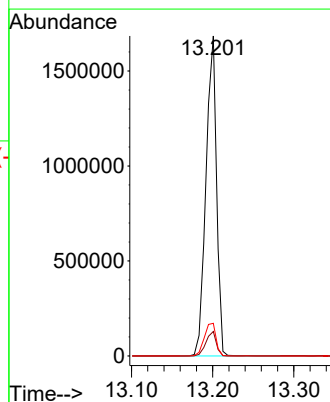
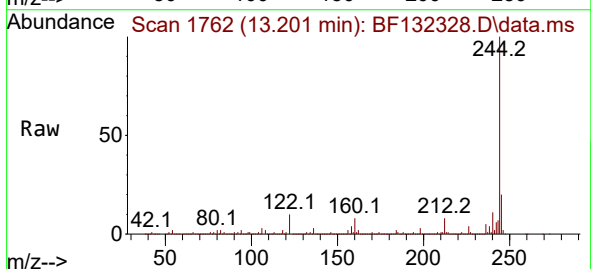
Tgt Ion:244 Resp: 1526278

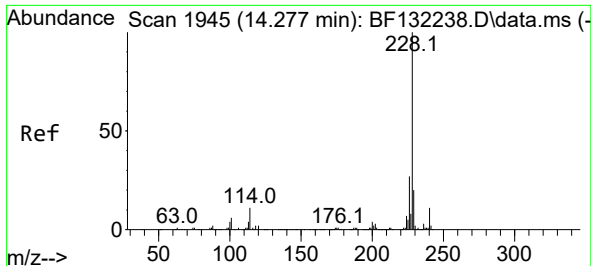
Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

122 10.2 10.5 15.7#

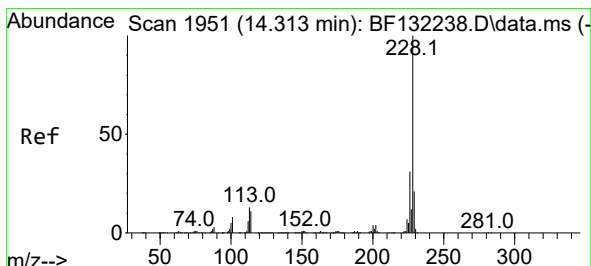
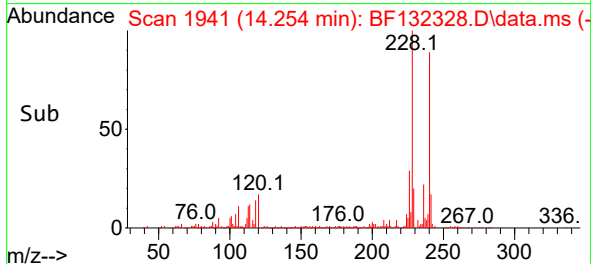
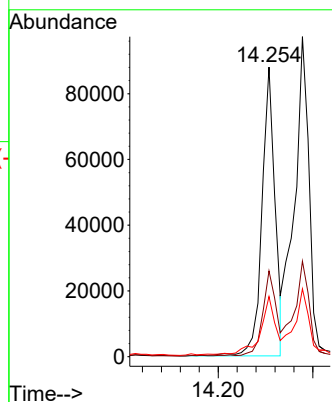
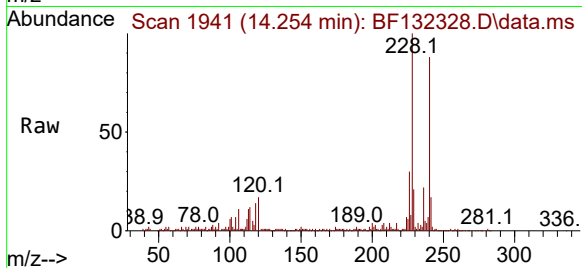




#81
Benzo(a)anthracene
Concen: 3.075 ng
RT: 14.254 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

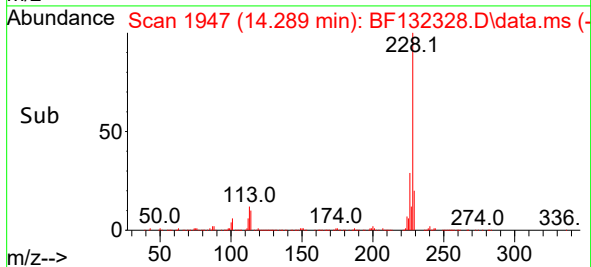
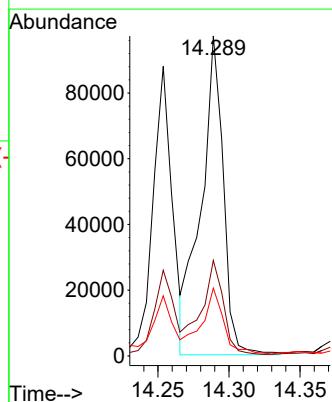
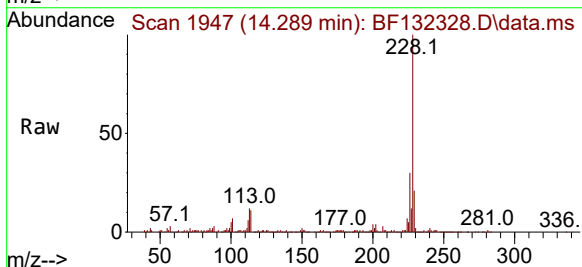
Instrument :
BNA_F
ClientSampleId :
B-01-SB01

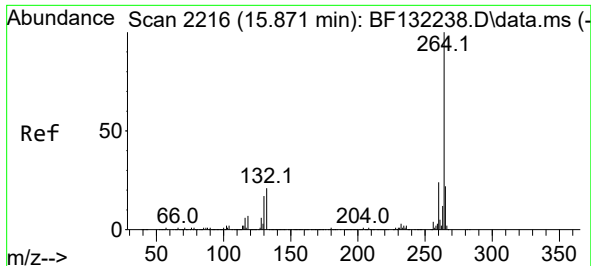
Tgt Ion:228	Resp:	84423
Ion Ratio	Lower	Upper
228	100	
226	29.6	22.0 33.0
229	20.8	15.8 23.6



#83
Chrysene
Concen: 4.105 ng
RT: 14.289 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

Tgt Ion:228	Resp:	105518
Ion Ratio	Lower	Upper
228	100	
226	29.9	24.9 37.3
229	21.2	16.4 24.6

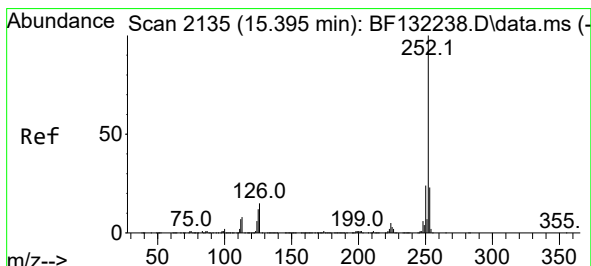
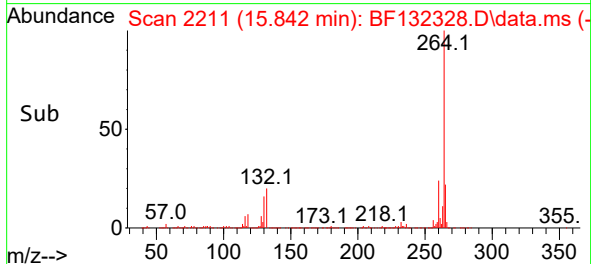
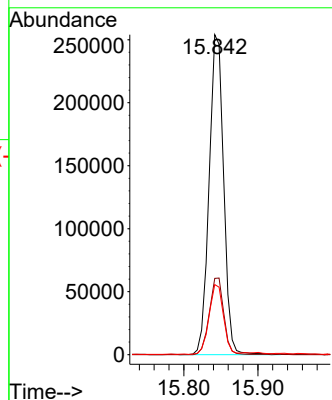
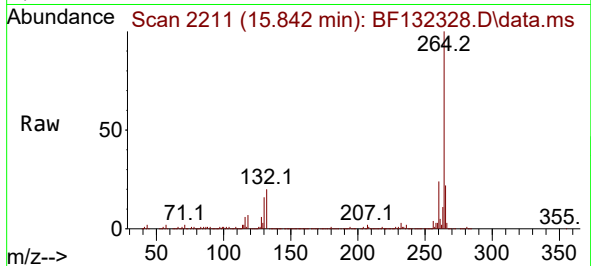




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.842 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

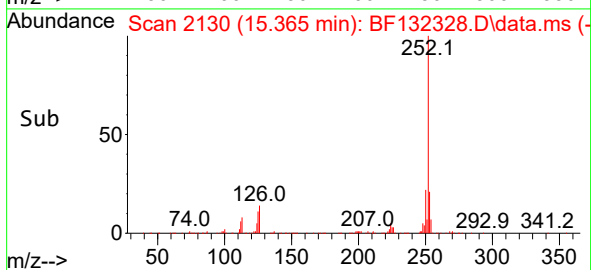
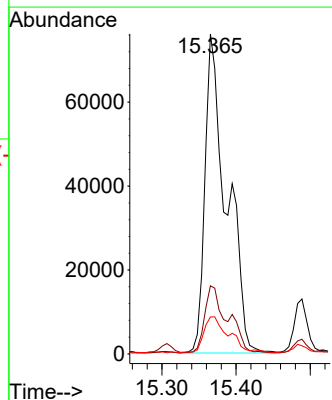
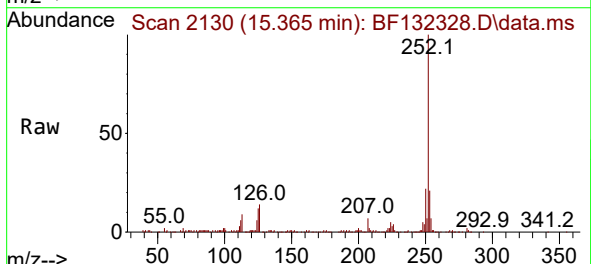
Instrument :
BNA_F
ClientSampleId :
B-01-SB01

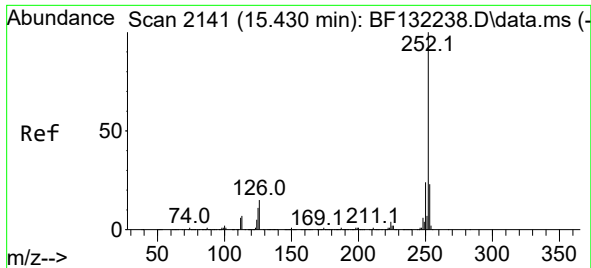
Tgt Ion:264 Resp: 346134
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 21.9 17.4 26.2



#88
Benzo(b)fluoranthene
Concen: 7.012 ng
RT: 15.365 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

Tgt Ion:252 Resp: 154280
Ion Ratio Lower Upper
252 100
253 21.3 18.1 27.1
125 11.5 9.6 14.4

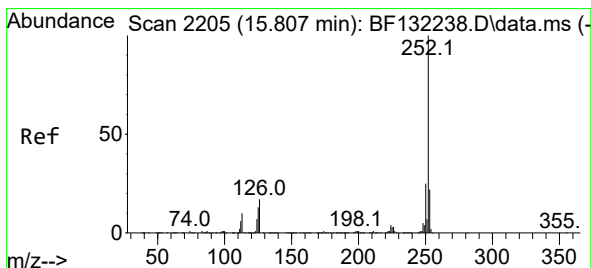
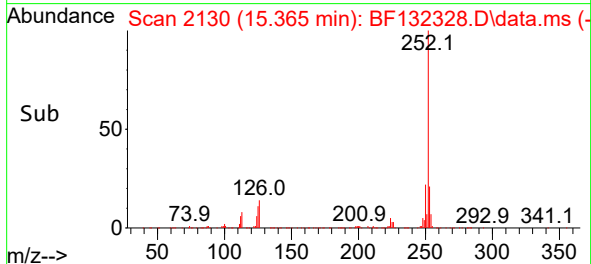
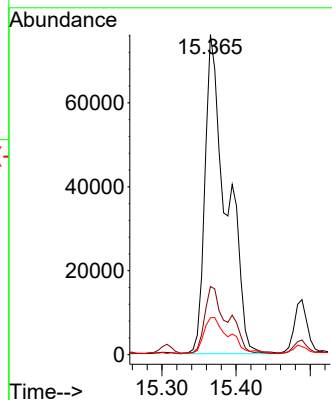
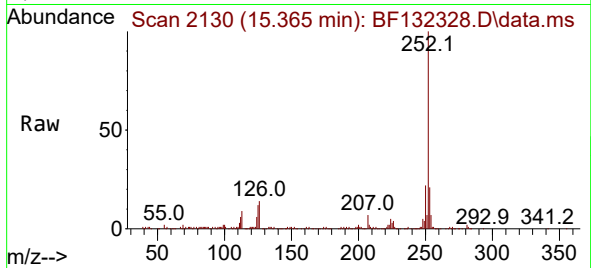




#89
Benzo(k)fluoranthene
Concen: 7.346 ng
RT: 15.365 min Scan# 2141
Delta R.T. -0.047 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

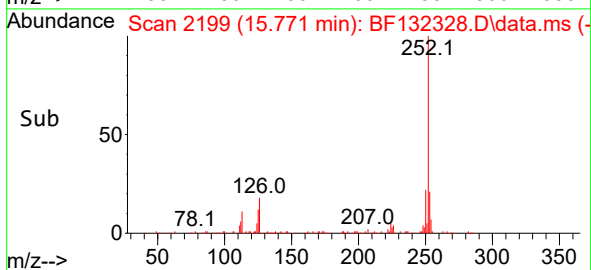
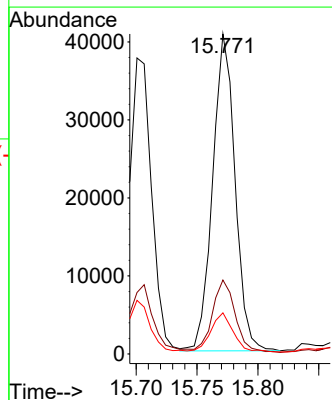
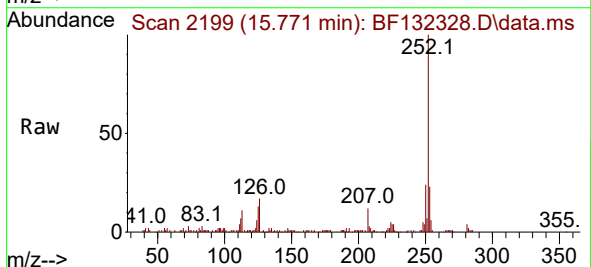
Instrument :
BNA_F
ClientSampleId :
B-01-SB01

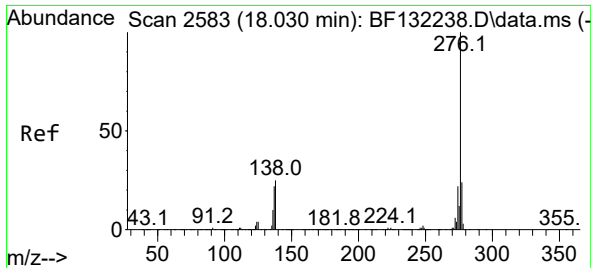
Tgt Ion:252 Resp: 154280
Ion Ratio Lower Upper
252 100
253 21.3 18.2 27.2
125 11.5 9.0 13.6



#90
Benzo(a)pyrene
Concen: 2.546 ng
RT: 15.771 min Scan# 2199
Delta R.T. -0.018 min
Lab File: BF132328.D
Acq: 03 Feb 2023 18:35

Tgt Ion:252 Resp: 52159
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 12.9 10.2 15.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.146 ng
 RT: 17.971 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF132328.D
 Acq: 03 Feb 2023 18:35

Instrument :
 BNA_F
 ClientSampleId :
 B-01-SB01

Tgt Ion:	276	Resp:	40994
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.4	29.2
138	24.3	20.3	30.5

