

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
 Data File : BF132789.D
 Acq On : 14 Mar 2023 21:00
 Operator : CG\JU
 Sample : 01905-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAPLE-3

Quant Time: Mar 15 02:29:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 15:35:42 2023
 Response via : Initial Calibration

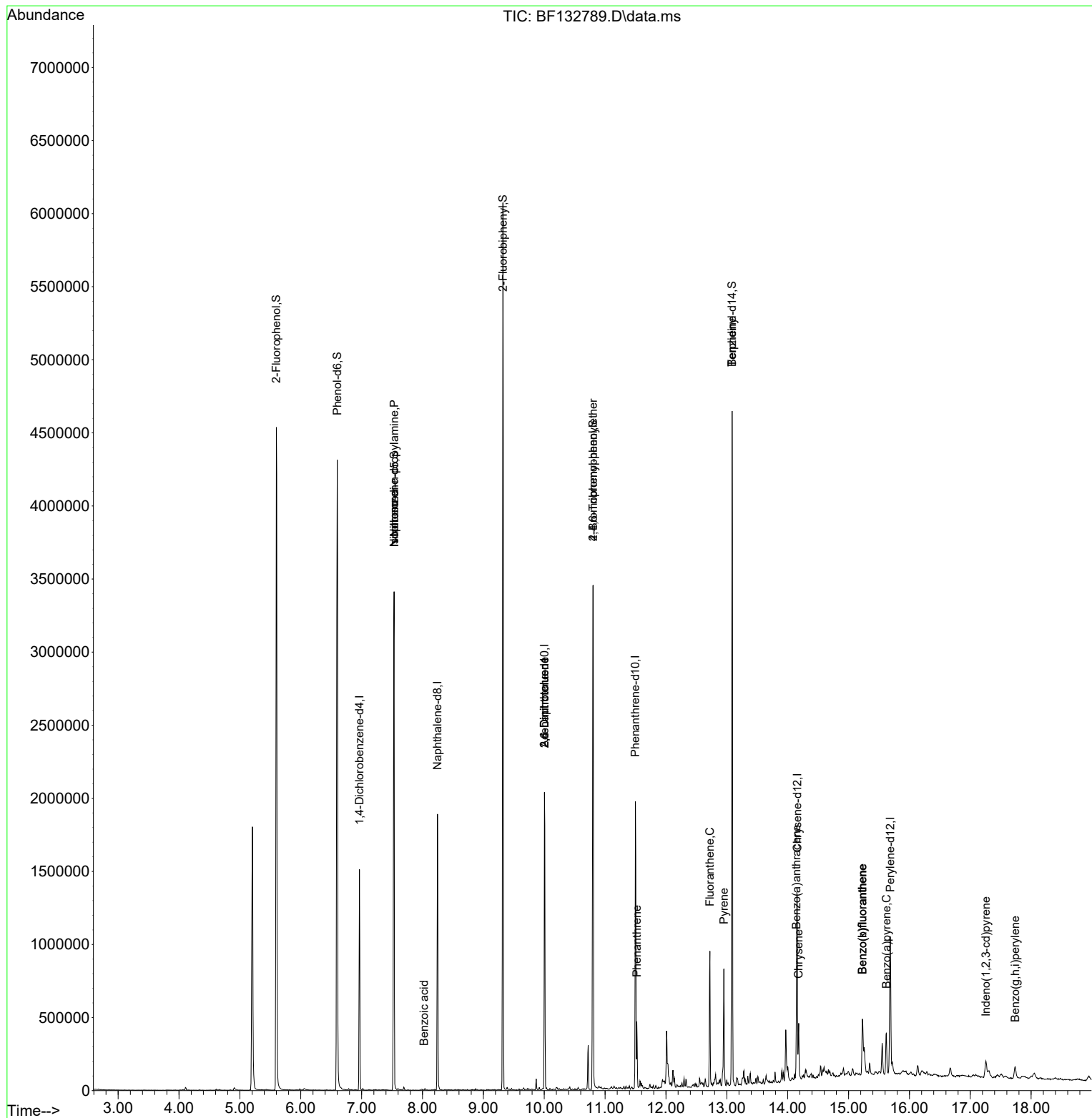
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	211570	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	779331	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	414850	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	728920	20.000	ng	0.00
76) Chrysene-d12	14.157	240	397522	20.000	ng	0.00
86) Perylene-d12	15.686	264	445486	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	1456477	111.728	ng	0.00
7) Phenol-d6	6.598	99	1889982	111.090	ng	0.00
23) Nitrobenzene-d5	7.534	82	1213200	73.858	ng	0.00
42) 2,4,6-Tribromophenol	10.804	330	473516	105.691	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1881421	69.056	ng	0.00
79) Terphenyl-d14	13.086	244	1696524	72.157	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.534	70	158413	15.129	ng	# 73
25) Isophorone	7.534	82	1213390	38.529	ng	# 67
32) Benzoic acid	8.028	122	148	3.850	ng	# 1
51) 2,6-Dinitrotoluene	10.004	165	53694	7.805	ng	# 22
57) 2,4-Dinitrotoluene	10.004	165	53694	5.867	ng	# 21
67) 4-Bromophenyl-phenylether	10.804	248	31268	3.792	ng	# 1
71) Phenanthrene	11.521	178	158694	4.203	ng	97
75) Fluoranthene	12.721	202	350675	8.495	ng	98
77) Benzidine	13.086	184	22603	2.336	ng	# 90
78) Pyrene	12.951	202	298150	8.249	ng	98
81) Benzo(a)anthracene	14.145	228	145180	4.881	ng	97
83) Chrysene	14.180	228	151322	5.441	ng	97
87) Indeno(1,2,3-cd)pyrene	17.256	276	76515	2.621	ng	99
88) Benzo(b)fluoranthene	15.227	252	288658	9.669	ng	# 96
89) Benzo(k)fluoranthene	15.227	252	288658	9.879	ng	# 97
90) Benzo(a)pyrene	15.621	252	142307	5.093	ng	99
92) Benzo(g,h,i)perylene	17.739	276	65299	3.962	ng	98

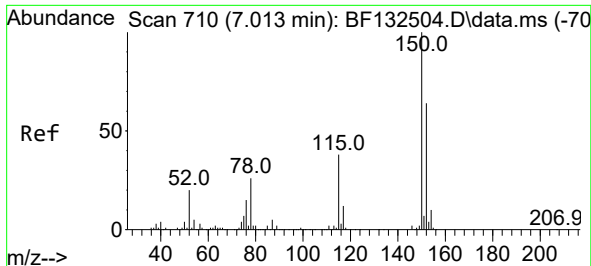
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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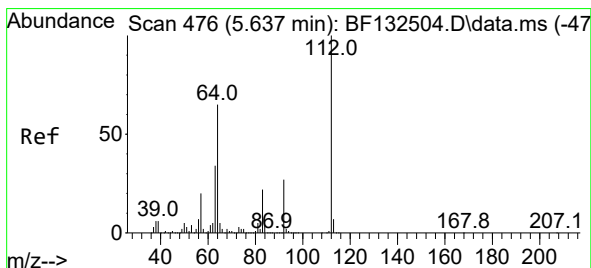
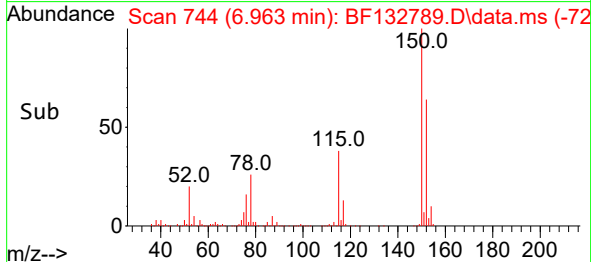
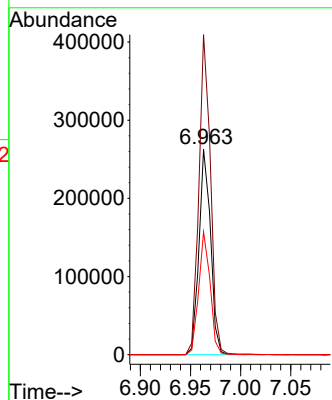
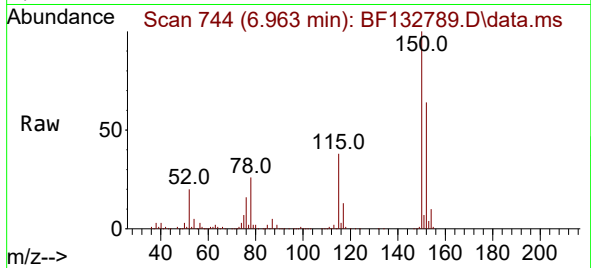




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

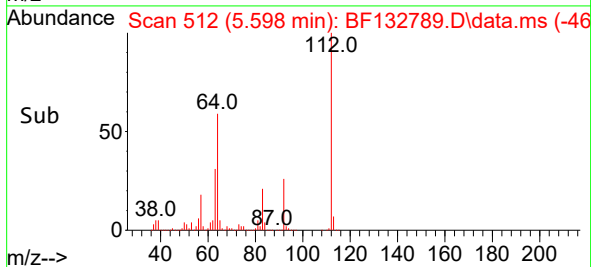
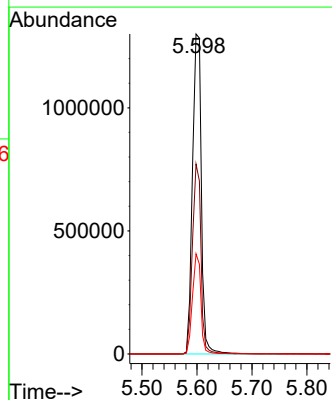
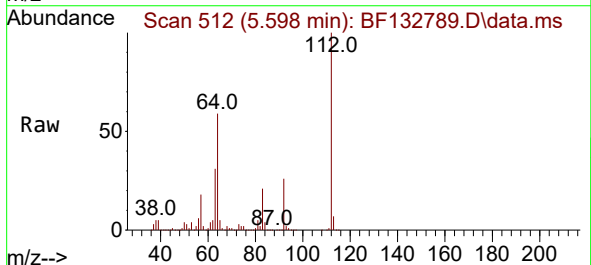
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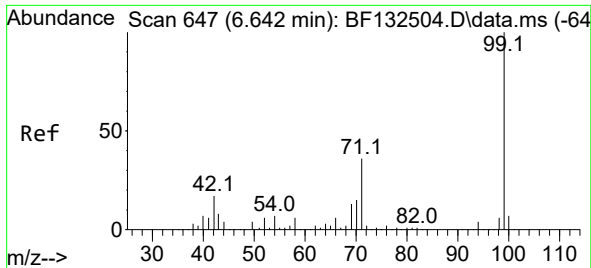
Tgt Ion:152 Resp: 211570
Ion Ratio Lower Upper
152 100
150 155.9 125.4 188.2
115 59.9 47.8 71.6



#5
2-Fluorophenol
Concen: 111.728 ng
RT: 5.598 min Scan# 512
Delta R.T. 0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

Tgt Ion:112 Resp: 1456477
Ion Ratio Lower Upper
112 100
64 59.4 51.6 77.4
63 31.3 27.4 41.2

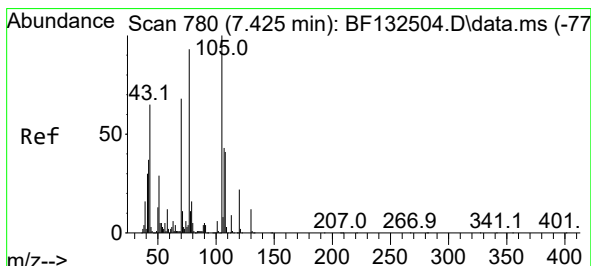
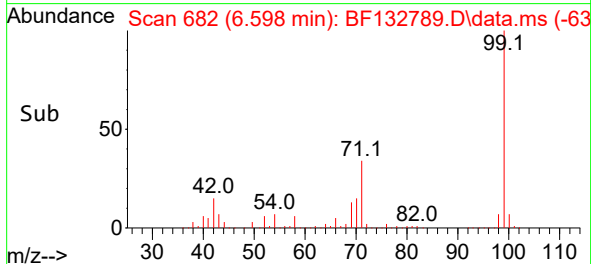
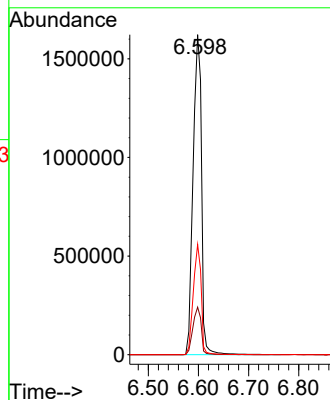
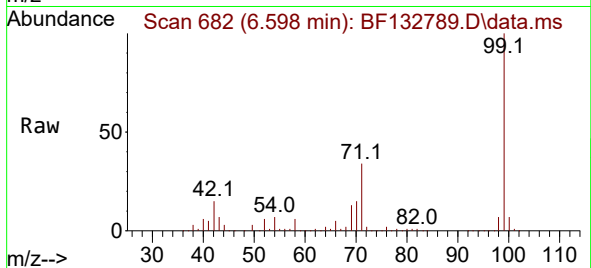




#7
Phenol-d6
Concen: 111.090 ng
RT: 6.598 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

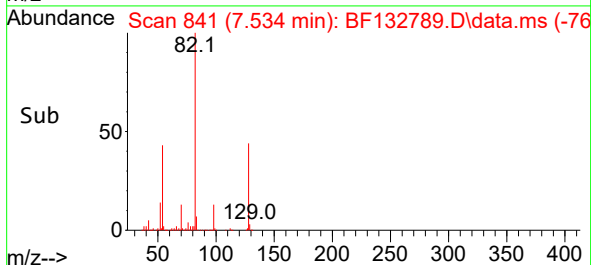
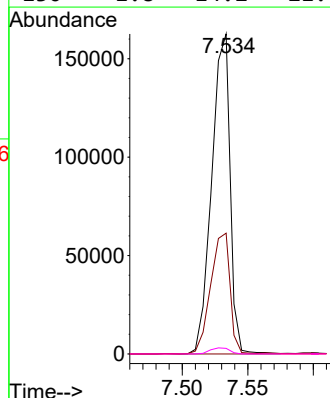
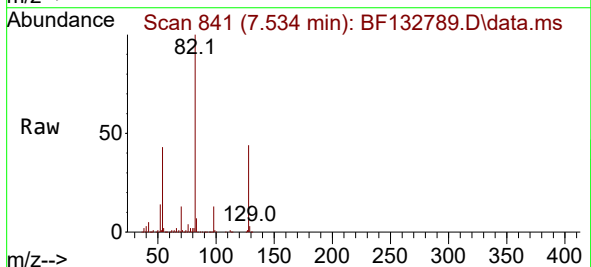
Instrument :
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ClientSampleId :
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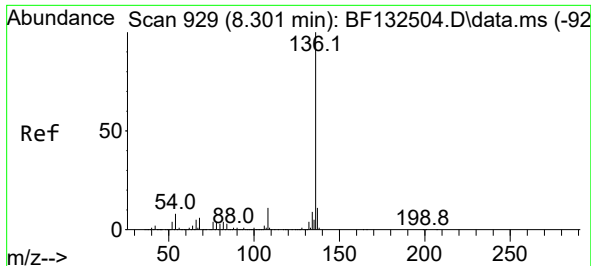
Tgt Ion: 99 Resp: 1889982
Ion Ratio Lower Upper
99 100
42 14.9 13.9 20.9
71 34.4 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.129 ng
RT: 7.534 min Scan# 841
Delta R.T. 0.153 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

Tgt Ion: 70 Resp: 158413
Ion Ratio Lower Upper
70 100
42 37.8 44.1 66.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.4#

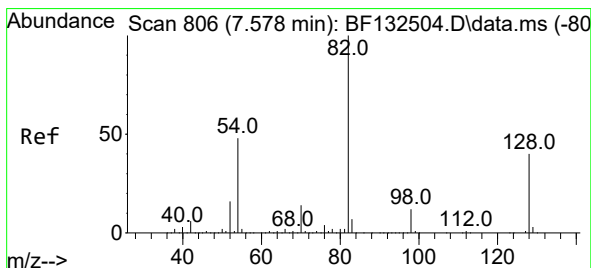
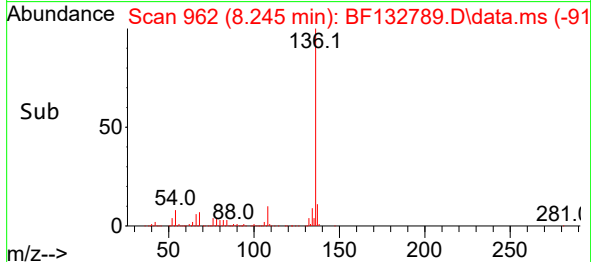
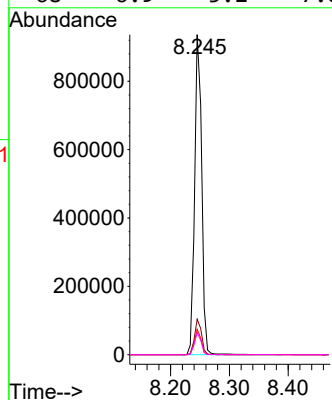
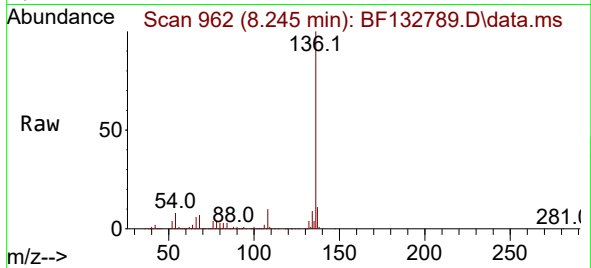




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

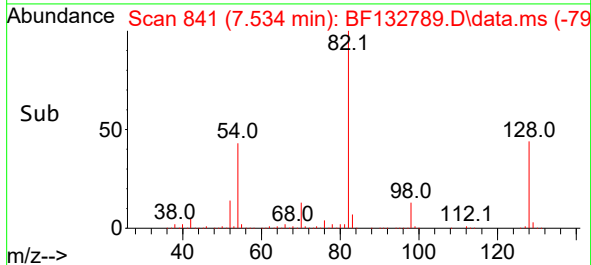
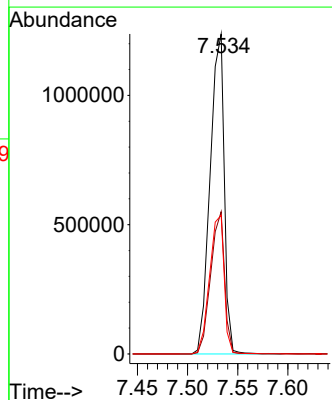
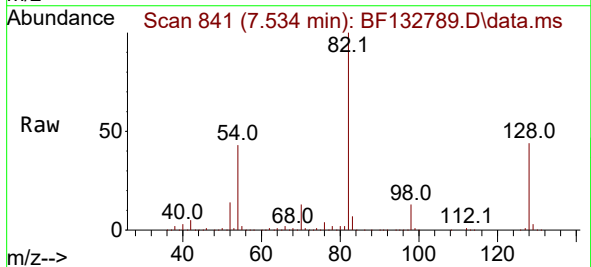
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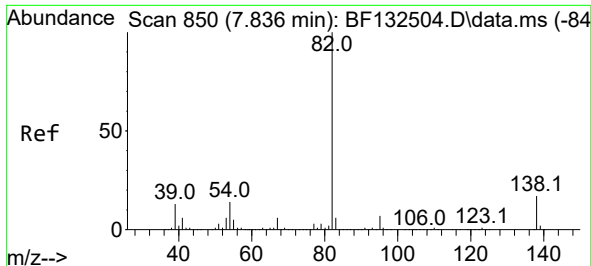
Tgt Ion:136 Resp: 779331
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.9 6.2 9.4
68 6.9 5.2 7.8



#23
Nitrobenzene-d5
Concen: 73.858 ng
RT: 7.534 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

Tgt Ion: 82 Resp: 1213200
Ion Ratio Lower Upper
82 100
128 44.4 32.2 48.2
54 43.3 38.4 57.6

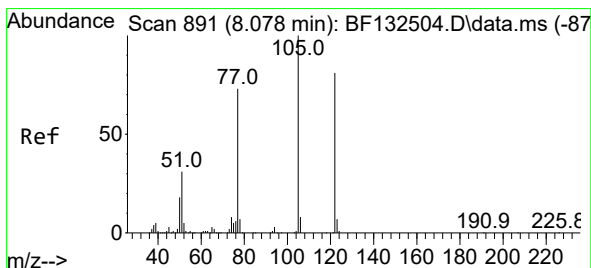
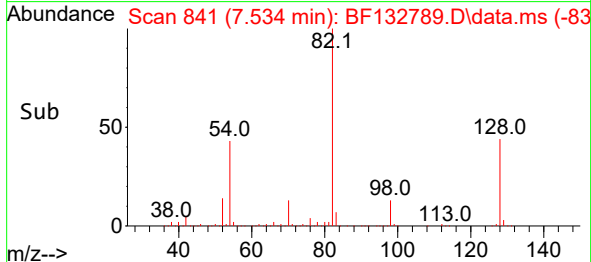
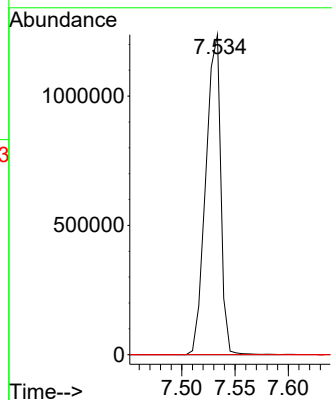
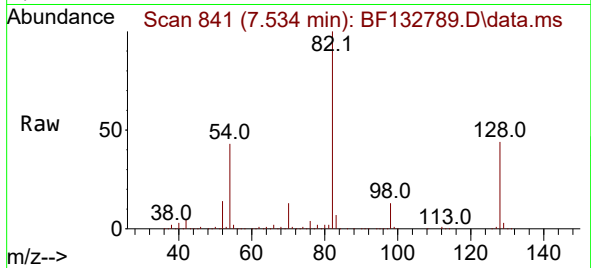




#25
Isophorone
Concen: 38.529 ng
RT: 7.534 min Scan# 84
Delta R.T. -0.259 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

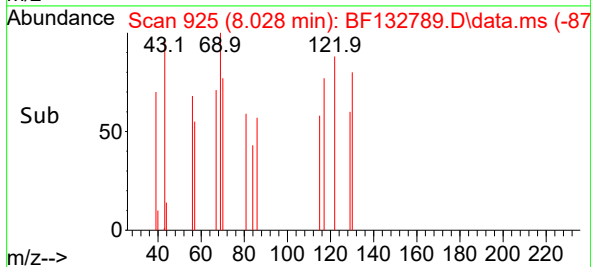
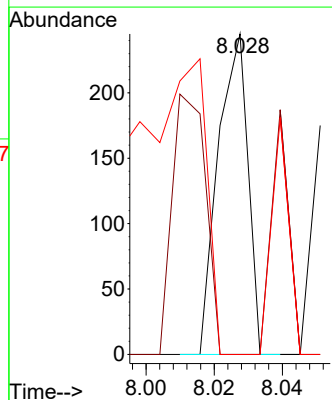
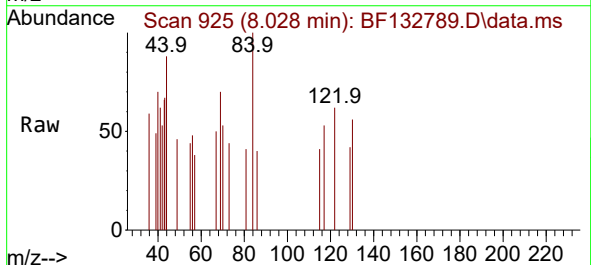
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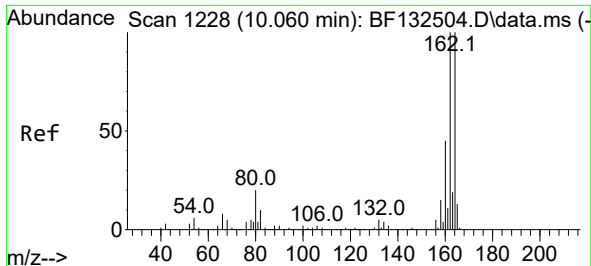
Tgt Ion: 82 Resp: 1213390
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.850 ng
RT: 8.028 min Scan# 925
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

Tgt Ion:122 Resp: 148
Ion Ratio Lower Upper
122 100
105 0.0 102.6 142.6#
77 0.0 70.2 110.2#

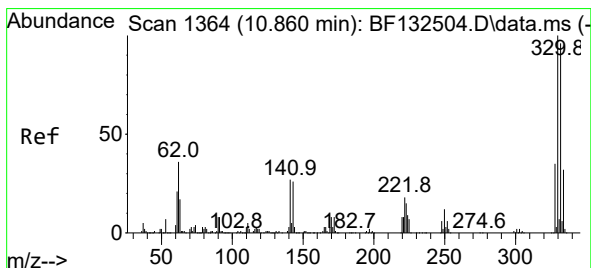
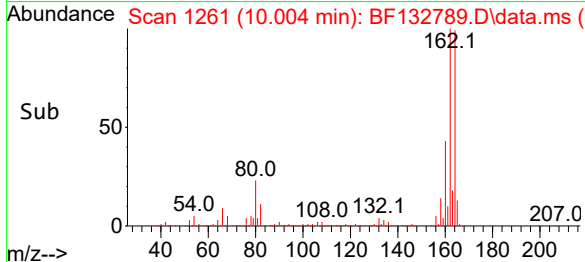
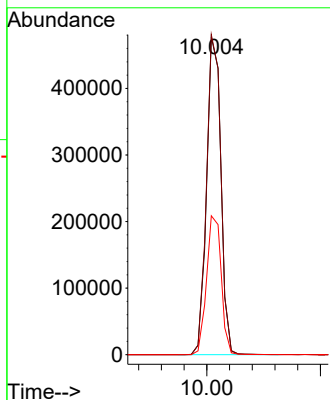
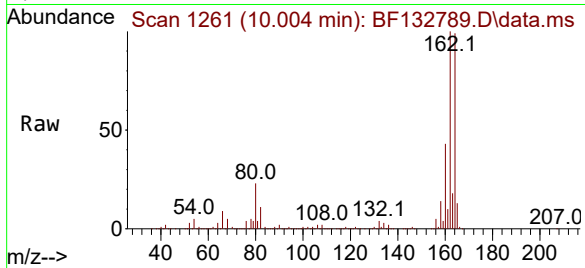




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

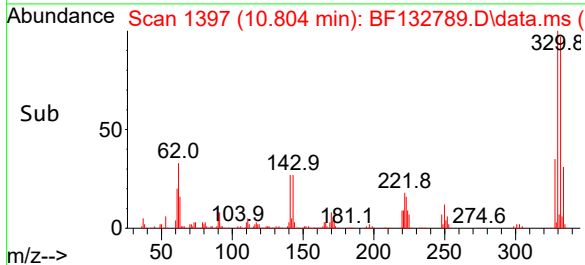
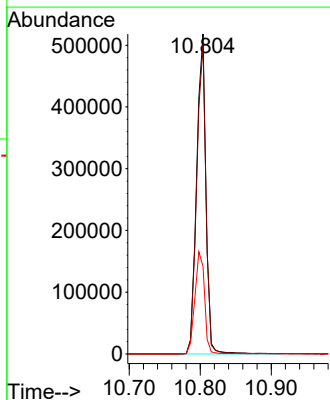
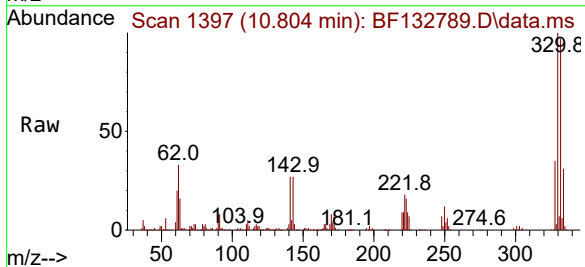
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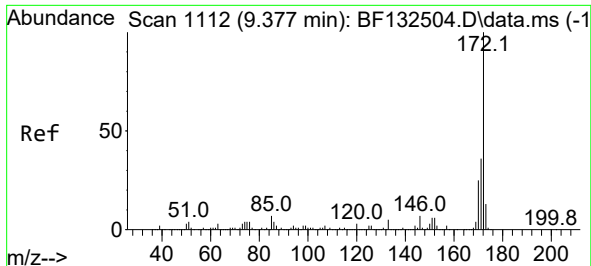
Tgt Ion:164 Resp: 414850
Ion Ratio Lower Upper
164 100
162 100.7 79.8 119.8
160 43.7 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 105.691 ng
RT: 10.804 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

Tgt Ion:330 Resp: 473516
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 33.5 28.4 42.6





#45

2-Fluorobiphenyl

Concen: 69.056 ng

RT: 9.322 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF132789.D

Acq: 14 Mar 2023 21:00

Instrument :

BNA_F

ClientSampleId :

MAPLE-3

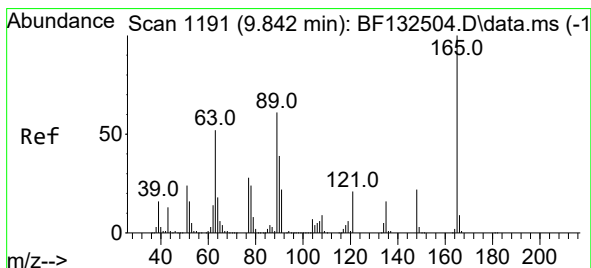
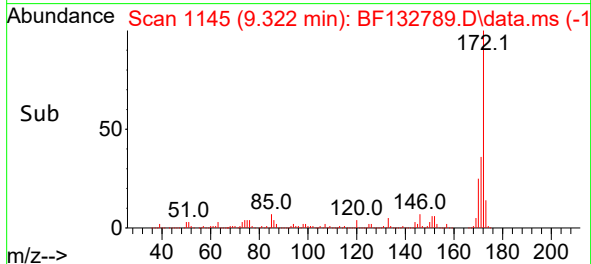
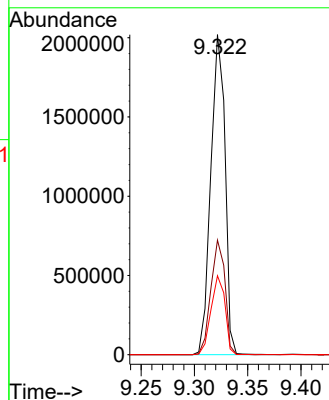
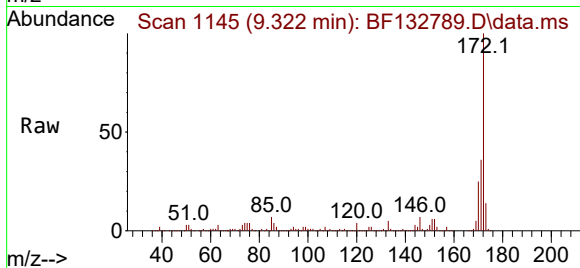
Tgt Ion:172 Resp: 1881421

Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 24.7 19.7 29.5



#51

2,6-Dinitrotoluene

Concen: 7.805 ng

RT: 10.004 min Scan# 1261

Delta R.T. 0.206 min

Lab File: BF132789.D

Acq: 14 Mar 2023 21:00

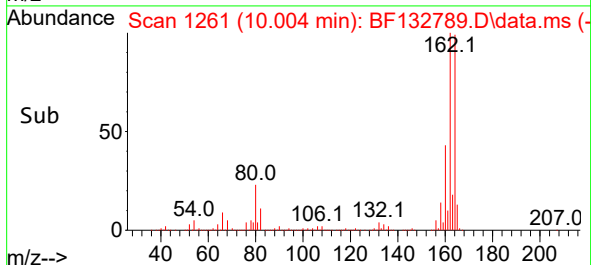
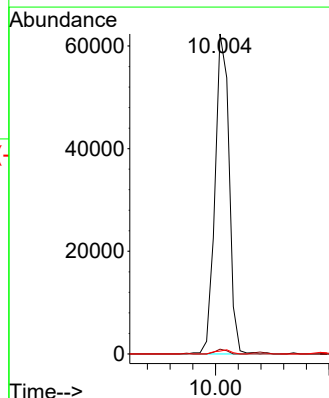
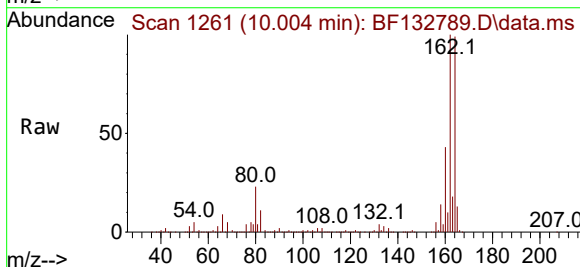
Tgt Ion:165 Resp: 53694

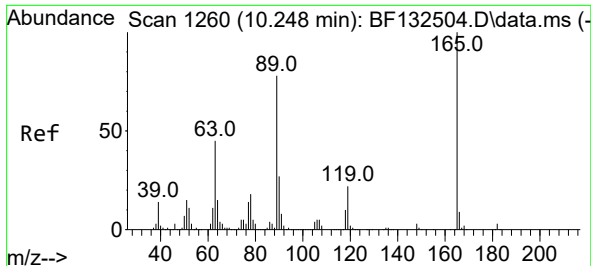
Ion Ratio Lower Upper

165 100

63 1.5 47.3 70.9#

89 0.9 48.9 73.3#

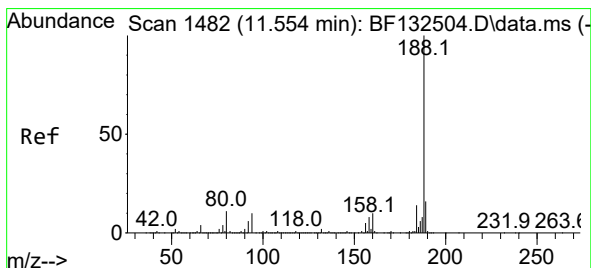
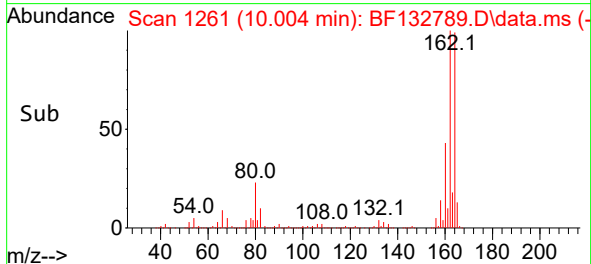
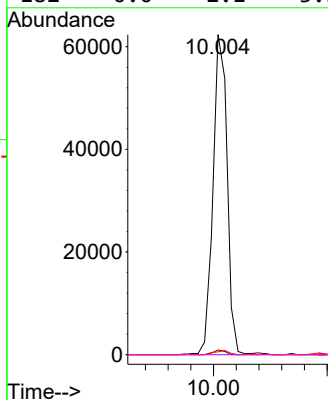
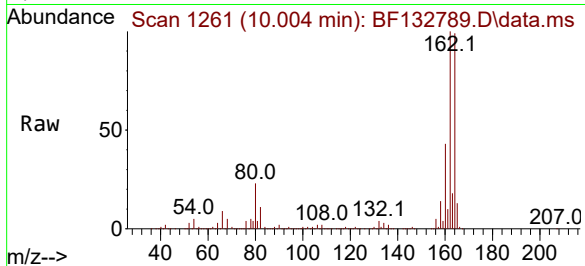




#57
2,4-Dinitrotoluene
Concen: 5.867 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

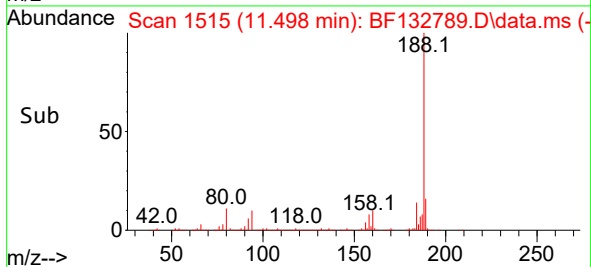
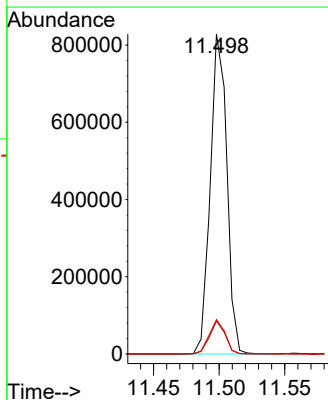
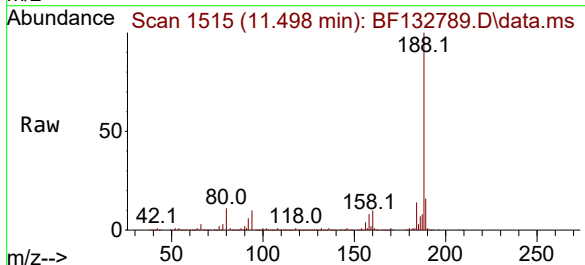
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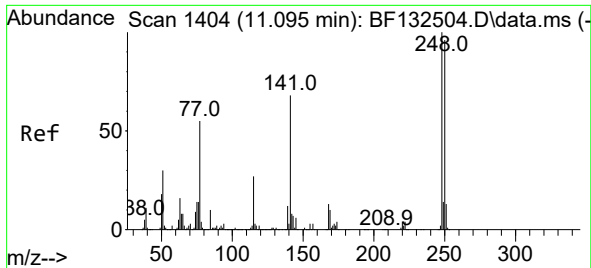
Tgt Ion:165 Resp: 53694
Ion Ratio Lower Upper
165 100
63 1.5 36.5 54.7#
89 0.9 62.4 93.6#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

Tgt Ion:188 Resp: 728920
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 10.8 8.7 13.1

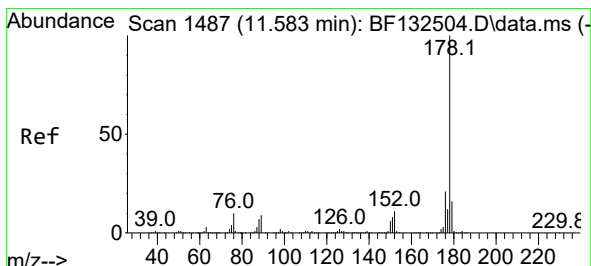
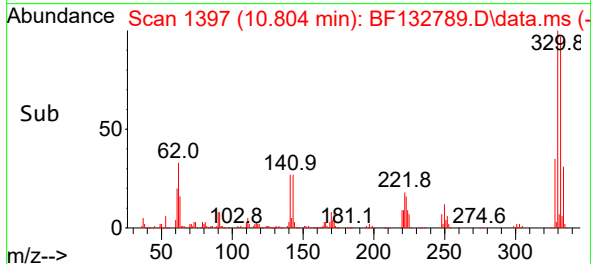
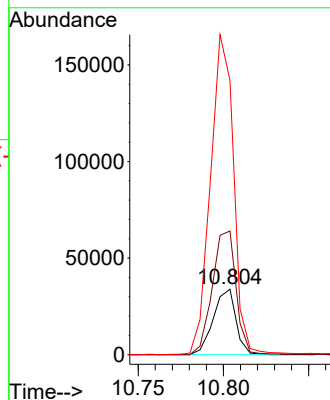
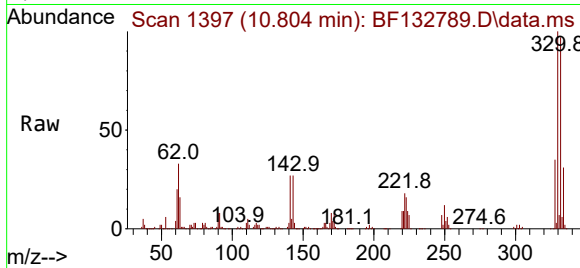




#67
4-Bromophenyl-phenylether
Concen: 3.792 ng
RT: 10.804 min Scan# 1119
Delta R.T. -0.241 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

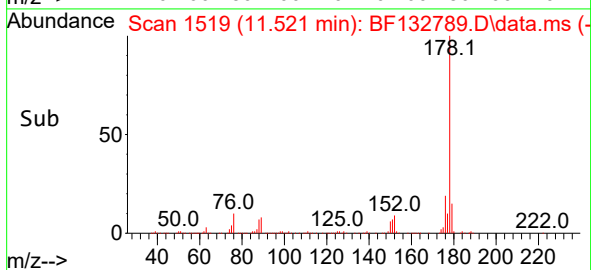
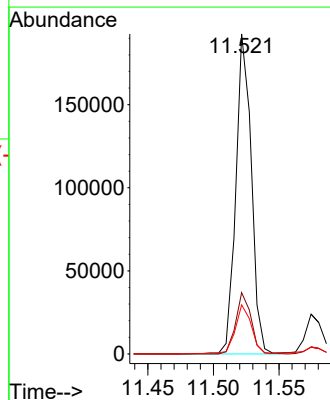
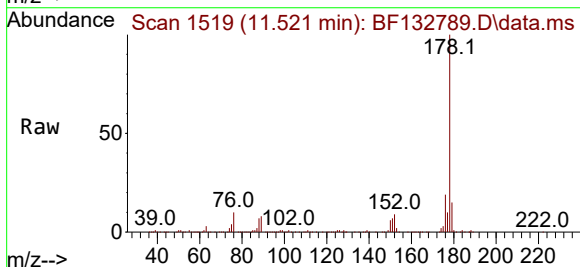
Instrument :
BNA_F
ClientSampleId :
MAPLE-3

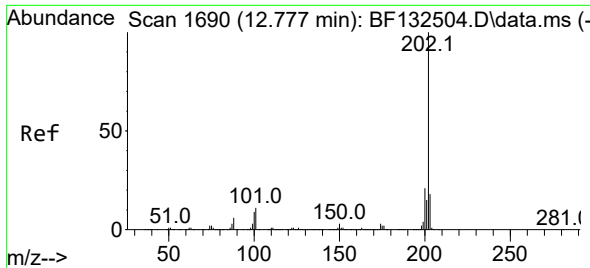
Tgt Ion:248 Resp: 31268
Ion Ratio Lower Upper
248 100
250 189.0 77.0 115.4#
141 419.0 54.2 81.2#



#71
Phenanthrene
Concen: 4.203 ng
RT: 11.521 min Scan# 1519
Delta R.T. -0.012 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

Tgt Ion:178 Resp: 158694
Ion Ratio Lower Upper
178 100
176 19.1 16.5 24.7
179 15.3 13.0 19.6

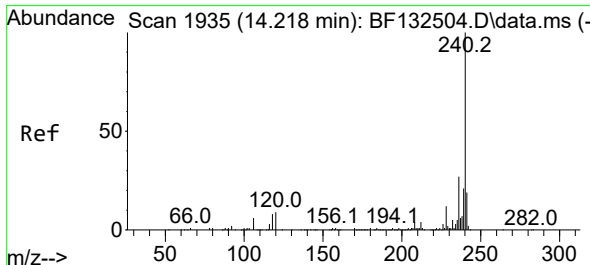
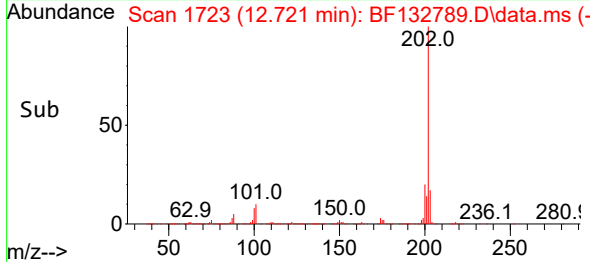
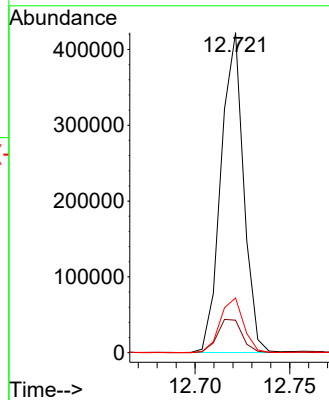
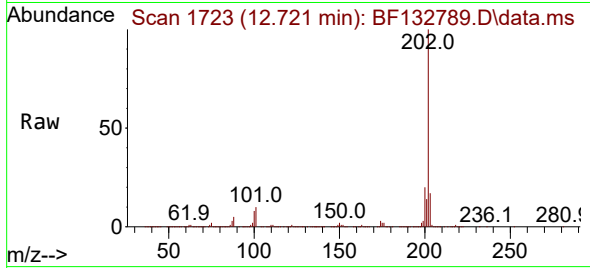




#75
Fluoranthene
Concen: 8.495 ng
RT: 12.721 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

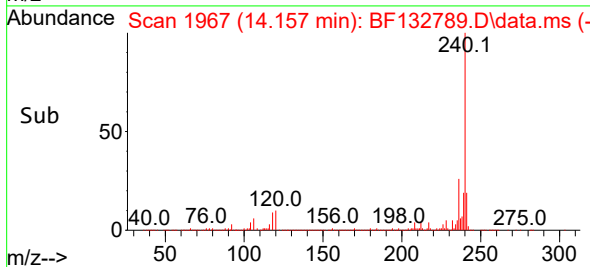
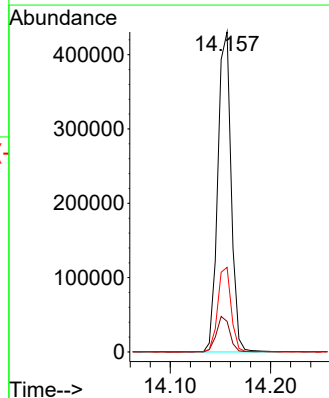
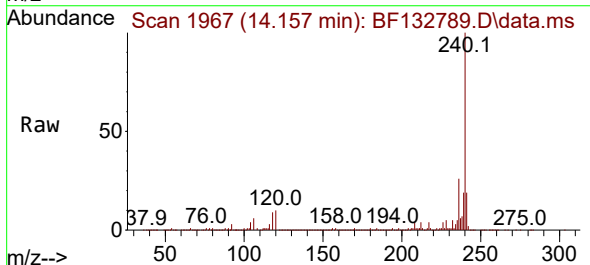
Instrument :
BNA_F
ClientSampleId :
MAPLE-3

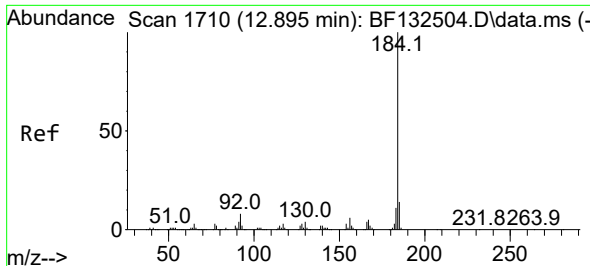
Tgt Ion:202 Resp: 350675
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.4
203 17.1 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

Tgt Ion:240 Resp: 397522
Ion Ratio Lower Upper
240 100
120 9.6 7.2 10.8
236 26.5 21.8 32.6

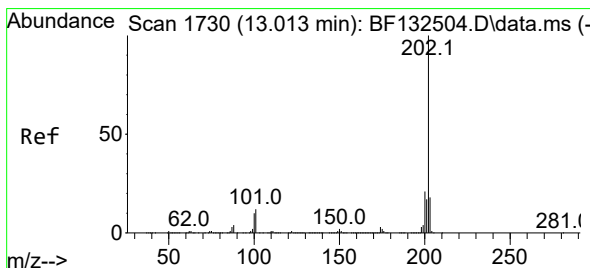
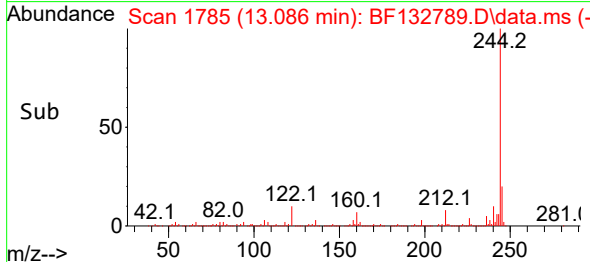
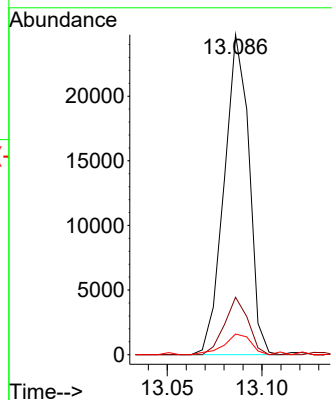
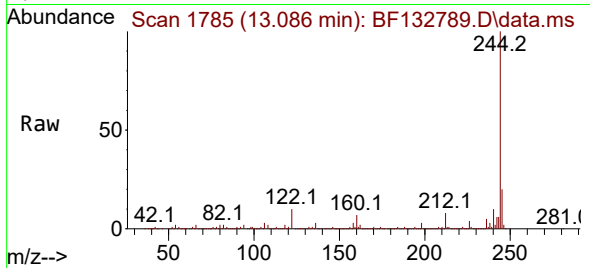




#77
Benzidine
Concen: 2.336 ng
RT: 13.086 min Scan# 1762
Delta R.T. 0.241 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

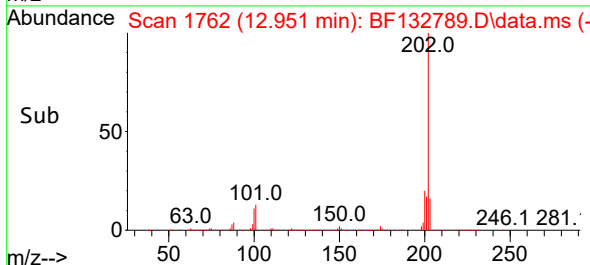
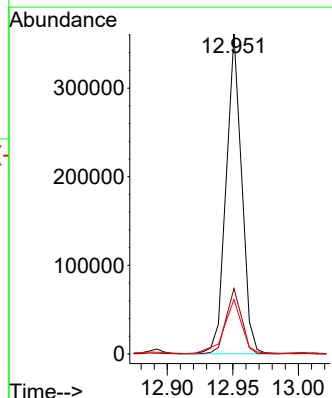
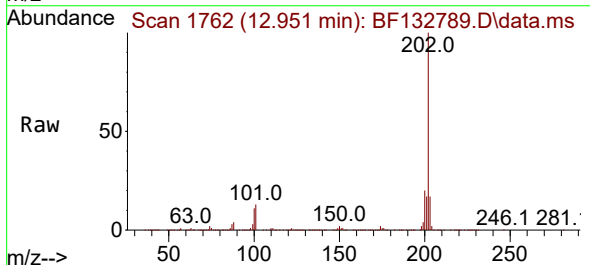
Instrument :
BNA_F
ClientSampleId :
MAPLE-3

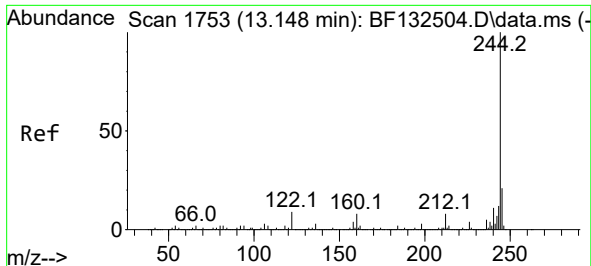
Tgt Ion:184 Resp: 22603
Ion Ratio Lower Upper
184 100
185 18.0 11.7 17.5#
183 6.5 8.7 13.1#



#78
Pyrene
Concen: 8.249 ng
RT: 12.951 min Scan# 1762
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

Tgt Ion:202 Resp: 298150
Ion Ratio Lower Upper
202 100
200 20.5 17.1 25.7
203 17.0 14.6 21.8

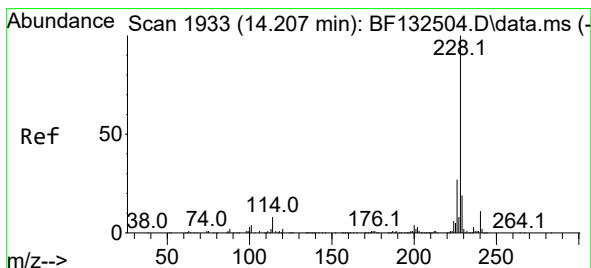
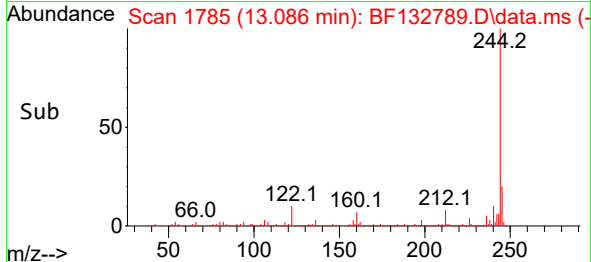
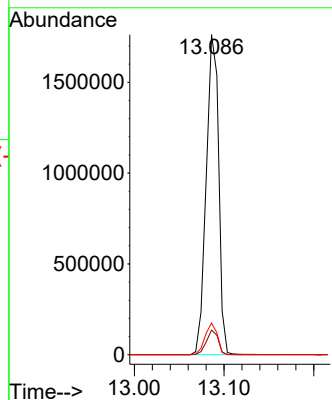
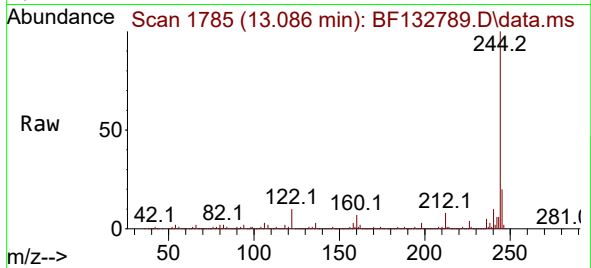




#79
 Terphenyl-d14
 Concen: 72.157 ng
 RT: 13.086 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132789.D
 Acq: 14 Mar 2023 21:00

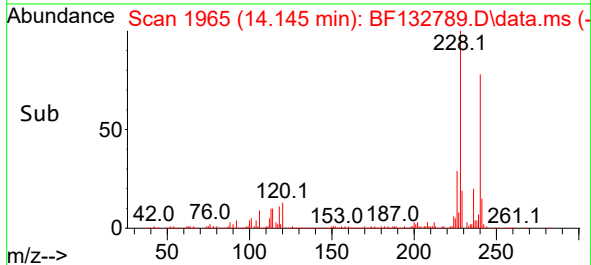
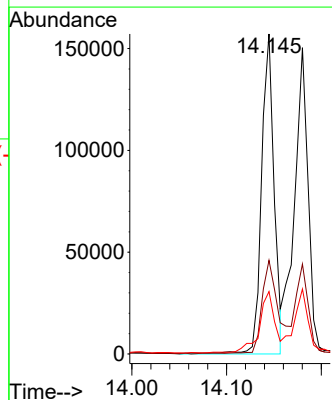
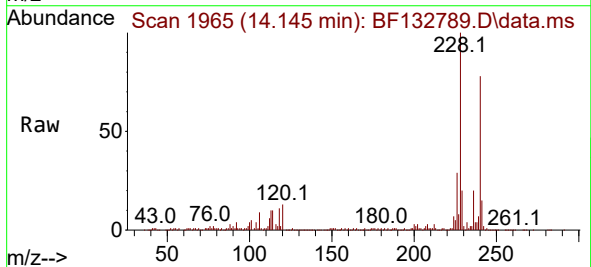
Instrument :
 BNA_F
 ClientSampleId :
 MAPLE-3

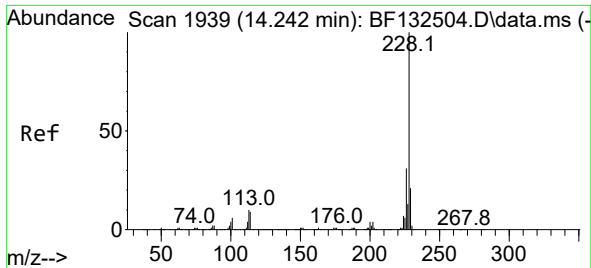
Tgt Ion:244 Resp: 1696524
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.5 9.7
 122 9.9 7.5 11.3



#81
 Benzo(a)anthracene
 Concen: 4.881 ng
 RT: 14.145 min Scan# 1965
 Delta R.T. -0.006 min
 Lab File: BF132789.D
 Acq: 14 Mar 2023 21:00

Tgt Ion:228 Resp: 145180
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.7 32.5
 229 19.5 15.4 23.2

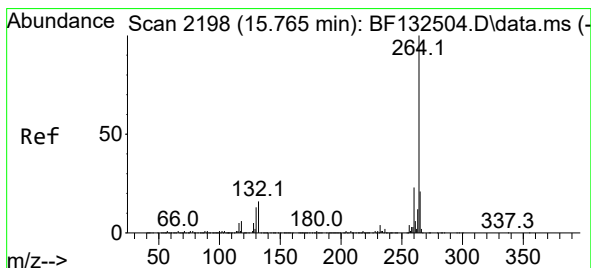
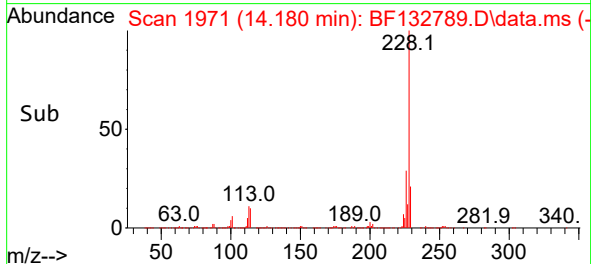
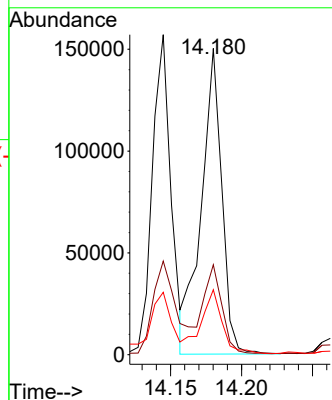
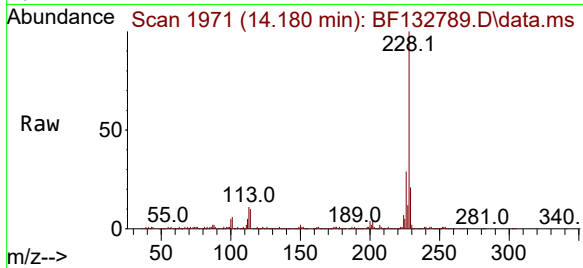




#83
Chrysene
Concen: 5.441 ng
RT: 14.180 min Scan# 1939
Delta R.T. -0.012 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

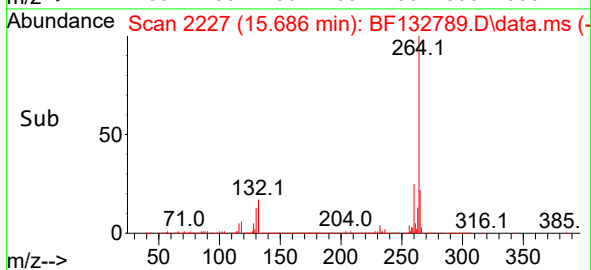
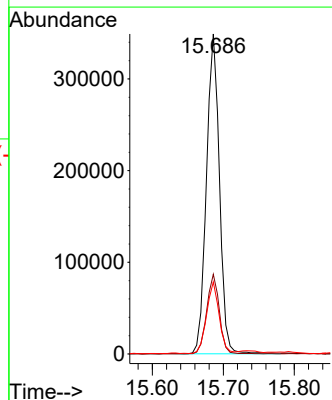
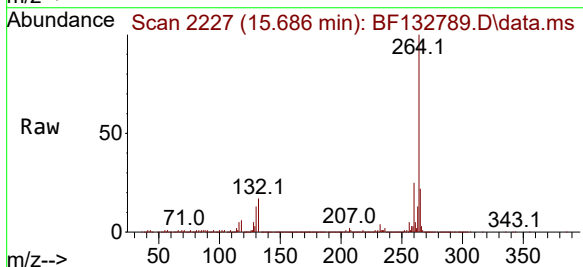
Instrument :
BNA_F
ClientSampleId :
MAPLE-3

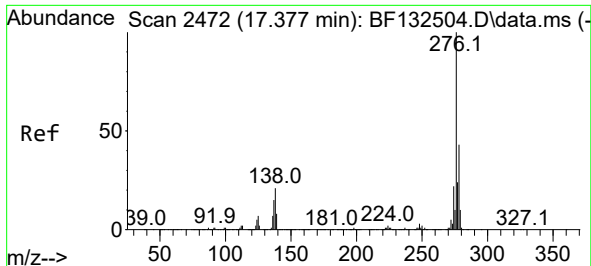
Tgt Ion:228 Resp: 151322
Ion Ratio Lower Upper
228 100
226 29.4 25.0 37.6
229 21.2 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.686 min Scan# 2227
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

Tgt Ion:264 Resp: 445486
Ion Ratio Lower Upper
264 100
260 24.9 18.8 28.2
265 22.5 17.1 25.7

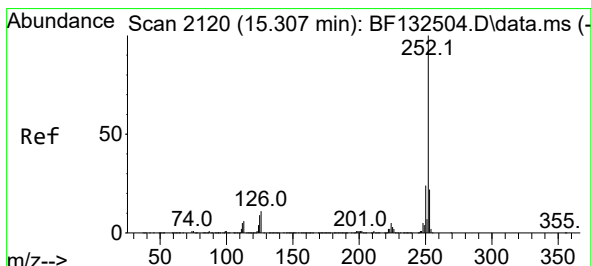
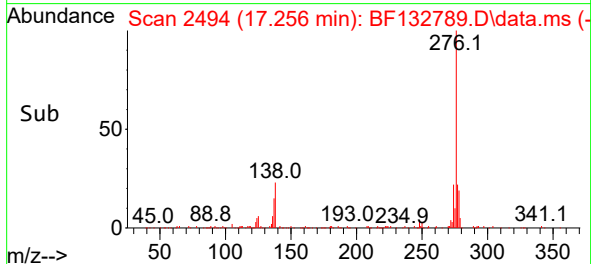
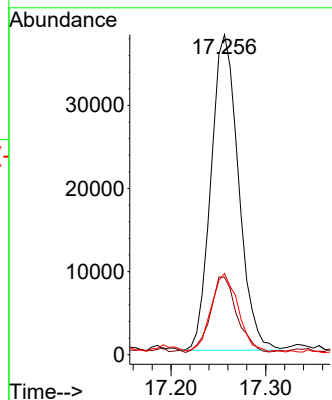
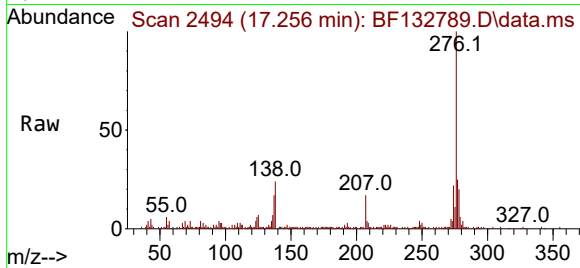




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.621 ng
 RT: 17.256 min Scan# 2472
 Delta R.T. -0.018 min
 Lab File: BF132789.D
 Acq: 14 Mar 2023 21:00

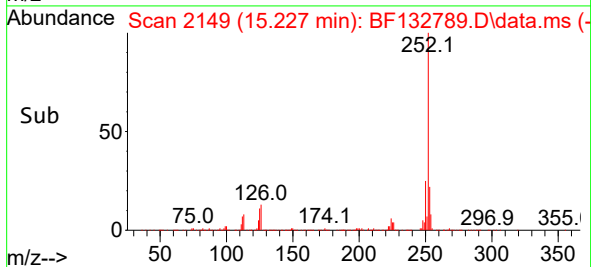
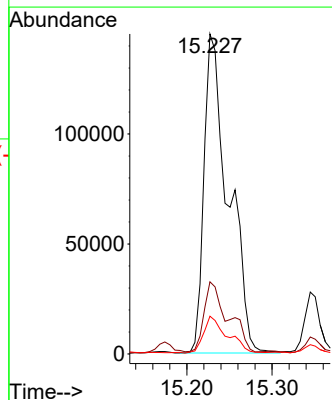
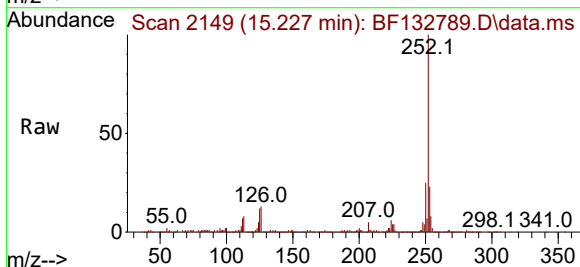
Instrument :
 BNA_F
 ClientSampleId :
 MAPLE-3

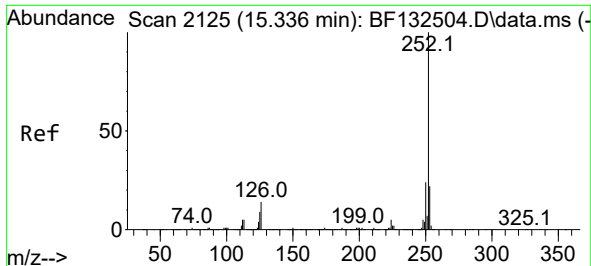
Tgt Ion:276 Resp: 76515
 Ion Ratio Lower Upper
 276 100
 138 23.2 19.0 28.4
 277 24.9 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 9.669 ng
 RT: 15.227 min Scan# 2149
 Delta R.T. -0.006 min
 Lab File: BF132789.D
 Acq: 14 Mar 2023 21:00

Tgt Ion:252 Resp: 288658
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.4 26.0
 125 11.8 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 9.879 ng

RT: 15.227 min Scan# 2125

Delta R.T. -0.041 min

Lab File: BF132789.D

Acq: 14 Mar 2023 21:00

Instrument :

BNA_F

ClientSampleId :

MAPLE-3

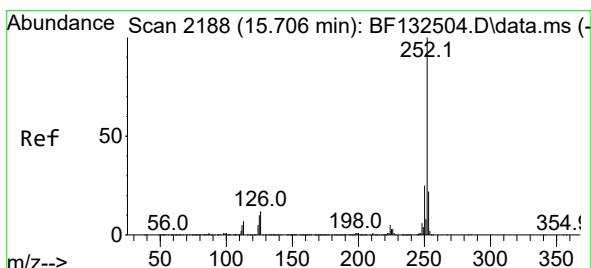
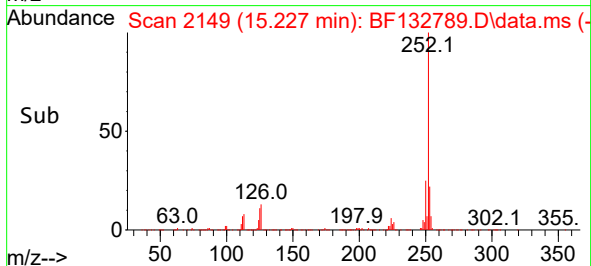
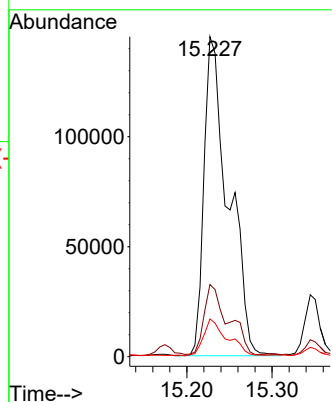
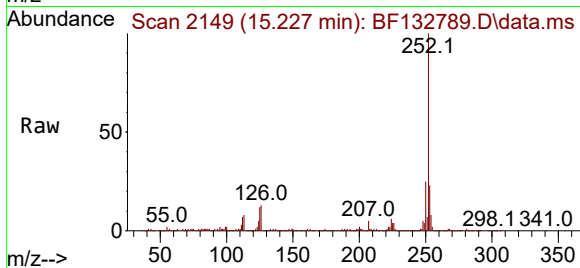
Tgt Ion:252 Resp: 288658

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 11.8 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 5.093 ng

RT: 15.621 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF132789.D

Acq: 14 Mar 2023 21:00

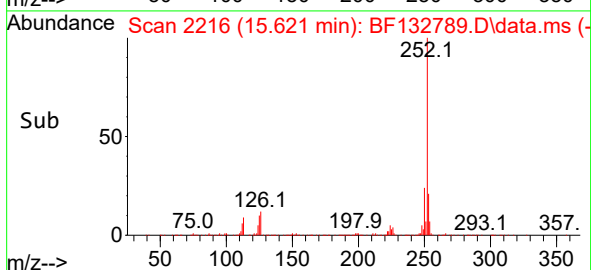
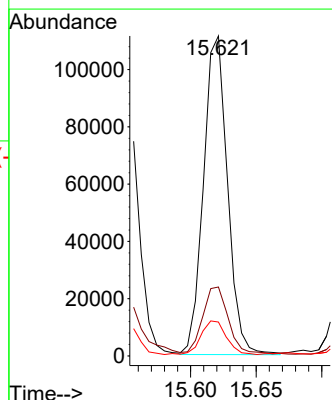
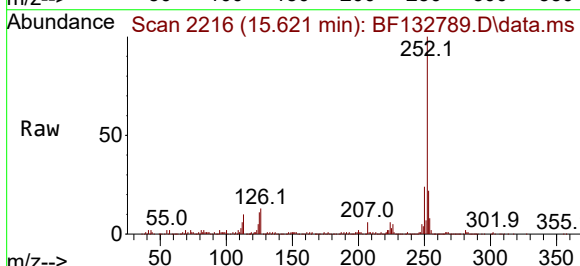
Tgt Ion:252 Resp: 142307

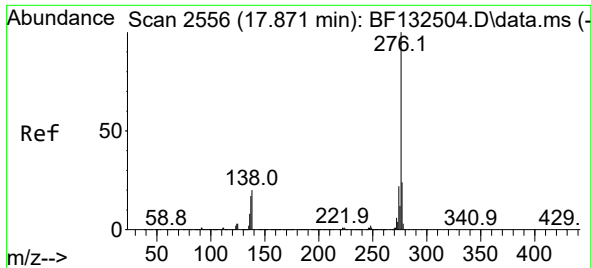
Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 10.6 8.0 12.0





#92
 Benzo(g,h,i)perylene
 Concen: 3.962 ng
 RT: 17.739 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF132789.D
 Acq: 14 Mar 2023 21:00

Instrument :
 BNA_F
 ClientSampleId :
 MAPLE-3

Tgt Ion:276 Resp: 65299
 Ion Ratio Lower Upper
 276 100
 277 24.8 18.9 28.3
 138 20.9 16.2 24.4

