

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031023\
 Data File : BF132751.D
 Acq On : 10 Mar 2023 20:18
 Operator : CG\JU
 Sample : 01848-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-03082023

Quant Time: Mar 11 03:06:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 16:26:19 2023
 Response via : Initial Calibration

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

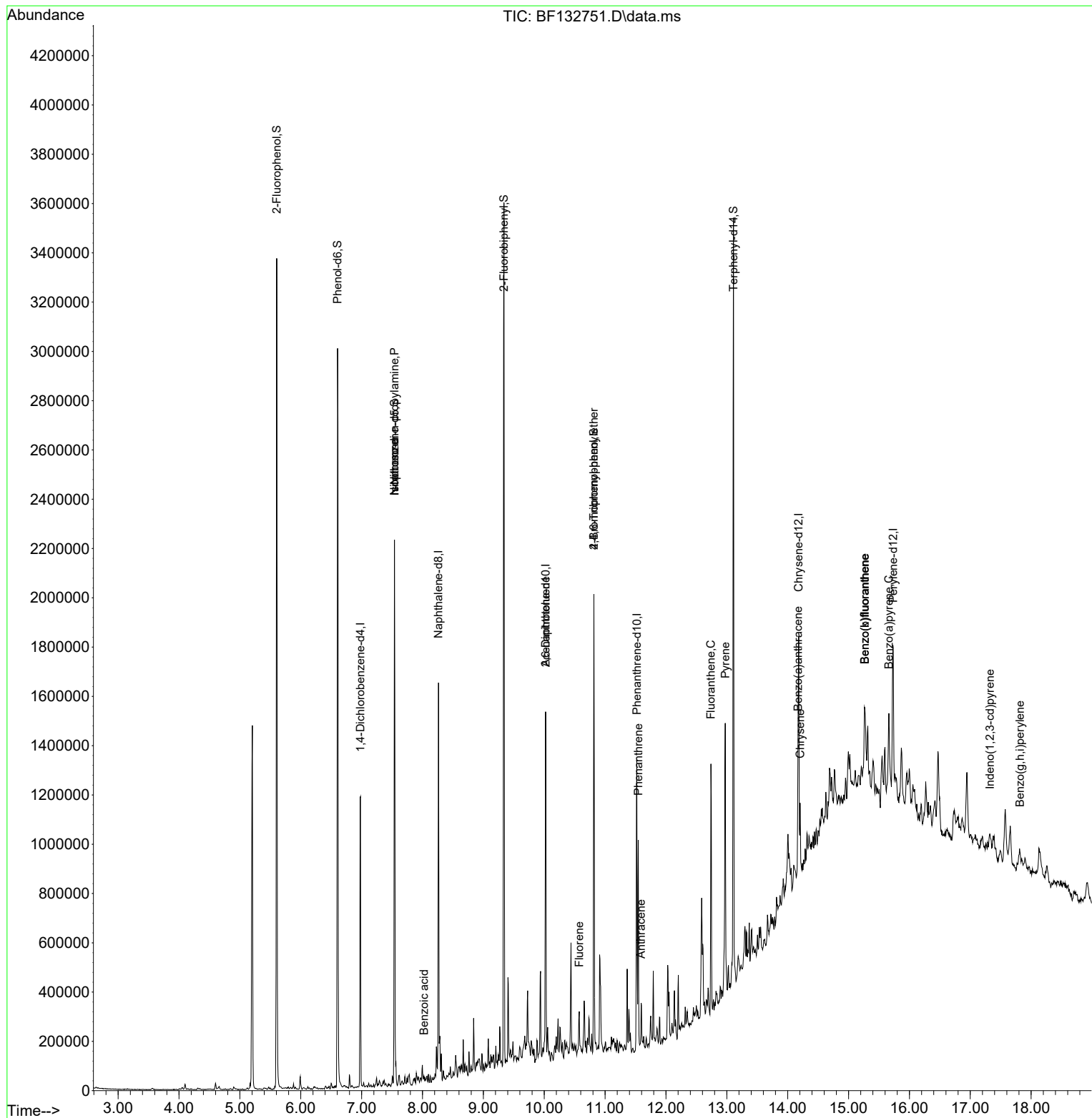
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.981	152	184550	20.000	ng	0.00
21) Naphthalene-d8	8.263	136	616981	20.000	ng	0.00
39) Acenaphthene-d10	10.022	164	270011	20.000	ng	-0.01
64) Phenanthrene-d10	11.522	188	454041	20.000	ng	0.00
76) Chrysene-d12	14.180	240	295511	20.000	ng	0.00
86) Perylene-d12	15.733	264	248095	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	925979	81.433	ng	0.00
7) Phenol-d6	6.604	99	1118370	75.360	ng	-0.02
23) Nitrobenzene-d5	7.539	82	684628	52.646	ng	-0.02
42) 2,4,6-Tribromophenol	10.816	330	210820	72.298	ng	-0.01
45) 2-Fluorobiphenyl	9.339	172	1028388	57.993	ng	0.00
79) Terphenyl-d14	13.110	244	1083688	62.002	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.539	70	90471	9.906	ng	# 77
25) Isophorone	7.539	82	683416	27.411	ng	# 67
32) Benzoic acid	8.028	122	220	3.863	ng	# 1
51) 2,6-Dinitrotoluene	10.022	165	38692	8.642	ng	# 22
58) Fluorene	10.575	166	41516	2.274	ng	99
67) 4-Bromophenyl-phenylether	10.816	248	13910	2.708	ng	# 1
71) Phenanthrene	11.545	178	281208	11.955	ng	98
72) Anthracene	11.592	178	76442	3.156	ng	99
75) Fluoranthene	12.739	202	405798	15.781	ng	100
78) Pyrene	12.974	202	425801	15.848	ng	99
81) Benzo(a)anthracene	14.168	228	148870	6.733	ng	# 93
83) Chrysene	14.204	228	126938	6.139	ng	95
87) Indeno(1,2,3-cd)pyrene	17.321	276	64782	3.985	ng	100
88) Benzo(b)fluoranthene	15.268	252	206306	12.409	ng	# 76
89) Benzo(k)fluoranthene	15.268	252	206306	12.679	ng	# 76
90) Benzo(a)pyrene	15.662	252	112458	7.227	ng	# 86
92) Benzo(g,h,i)perylene	17.815	276	74118	6.399	ng	# 88

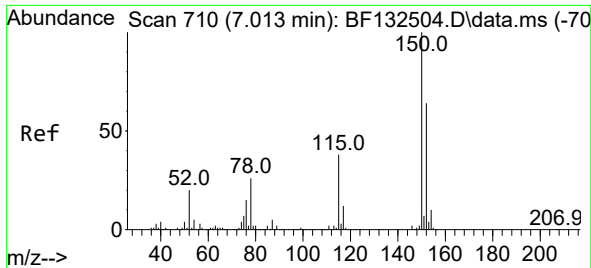
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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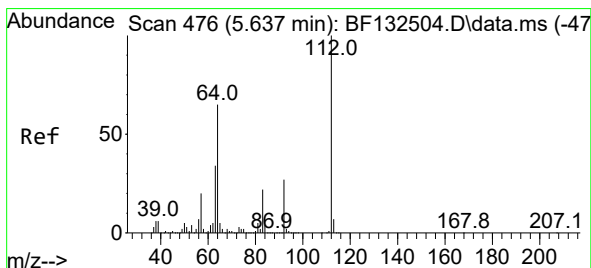
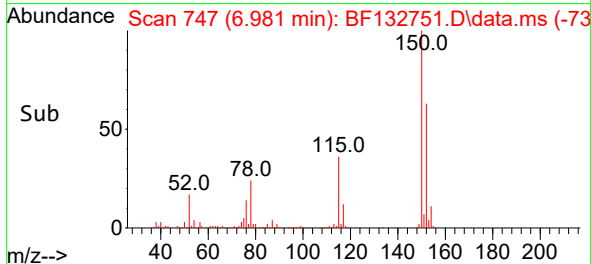
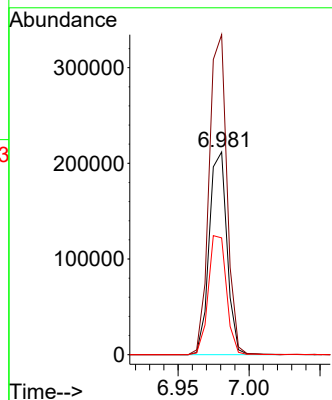
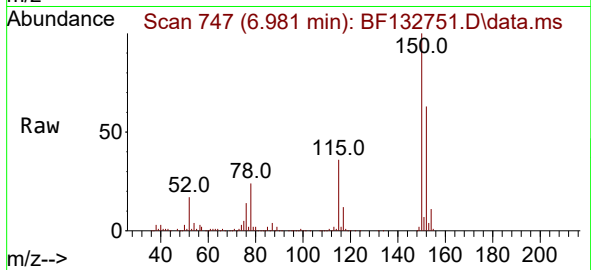




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.981 min Scan# 710
 Delta R.T. -0.000 min
 Lab File: BF132751.D
 Acq: 10 Mar 2023 20:18

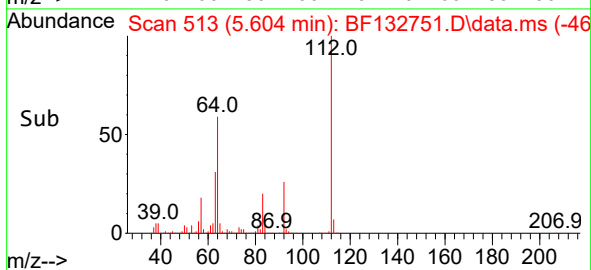
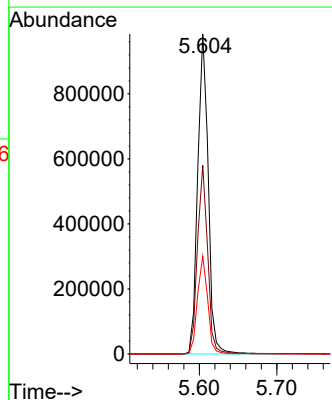
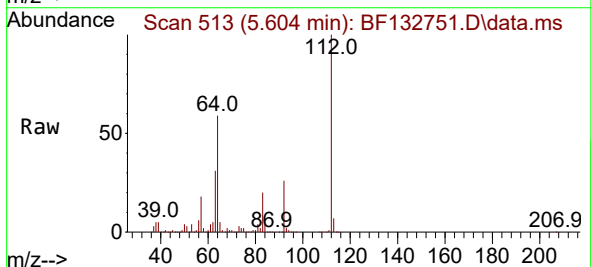
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-03082023

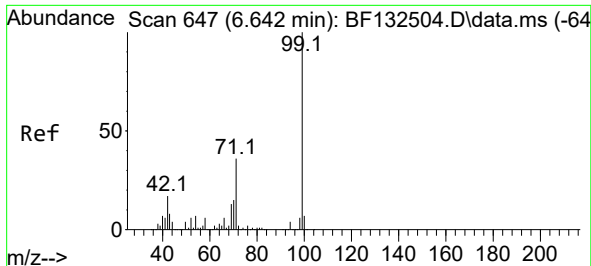
Tgt Ion:152 Resp: 184550
 Ion Ratio Lower Upper
 152 100
 150 157.9 125.4 188.2
 115 57.6 47.8 71.6



#5
 2-Fluorophenol
 Concen: 81.433 ng
 RT: 5.604 min Scan# 513
 Delta R.T. -0.006 min
 Lab File: BF132751.D
 Acq: 10 Mar 2023 20:18

Tgt Ion:112 Resp: 925979
 Ion Ratio Lower Upper
 112 100
 64 58.9 51.6 77.4
 63 30.6 27.4 41.2

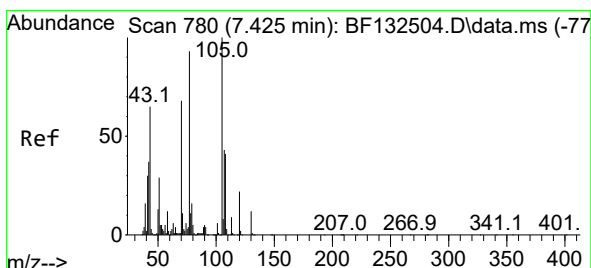
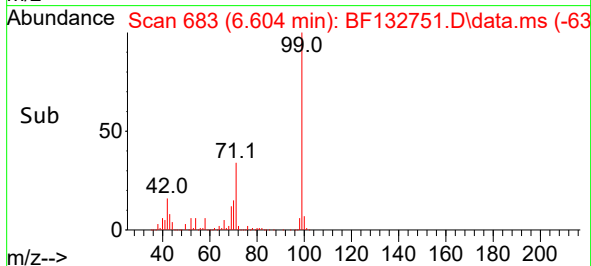
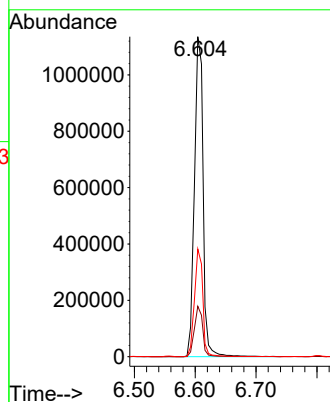
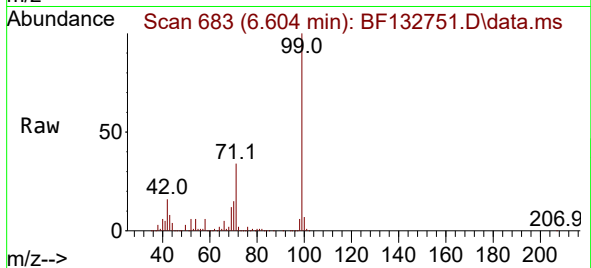




#7
Phenol-d6
Concen: 75.360 ng
RT: 6.604 min Scan# 61
Delta R.T. -0.017 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

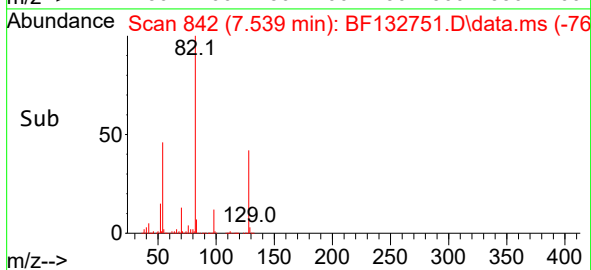
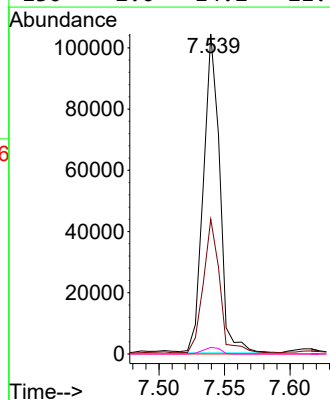
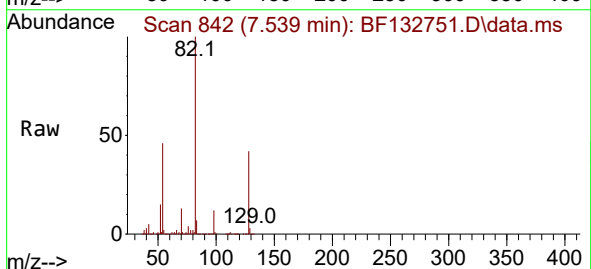
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BNA_F
ClientSampleId :
OR-02-03082023

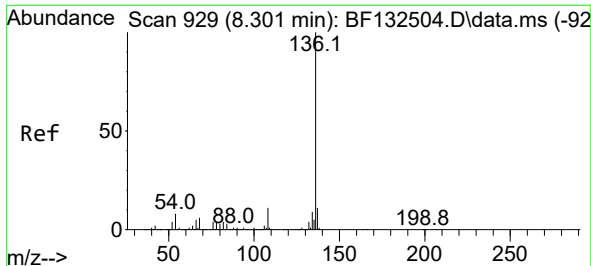
Tgt Ion: 99 Resp: 1118370
Ion Ratio Lower Upper
99 100
42 15.7 13.9 20.9
71 33.6 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 9.906 ng
RT: 7.539 min Scan# 842
Delta R.T. 0.141 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

Tgt Ion: 70 Resp: 90471
Ion Ratio Lower Upper
70 100
42 42.1 44.1 66.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#

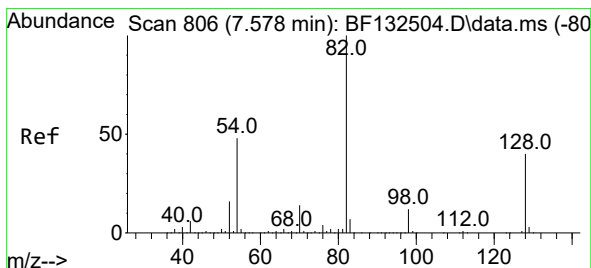
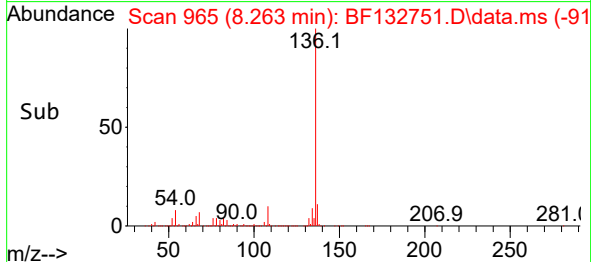
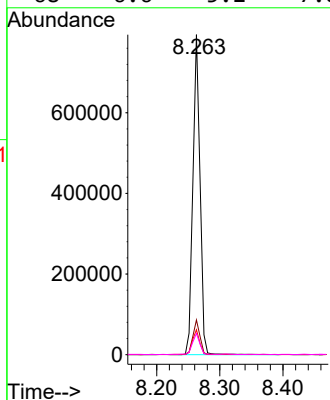
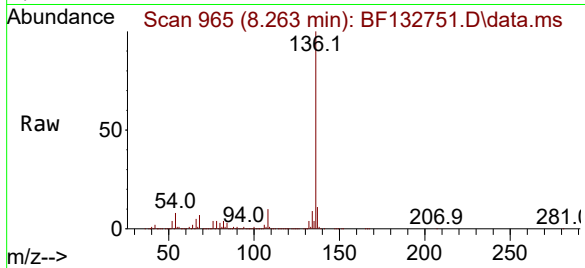




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.263 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

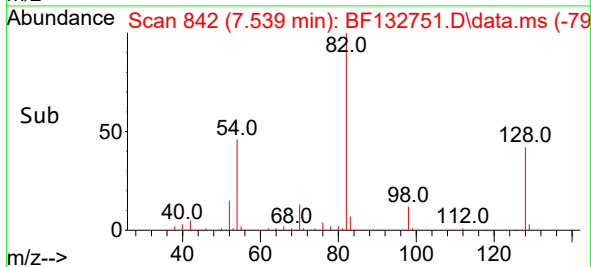
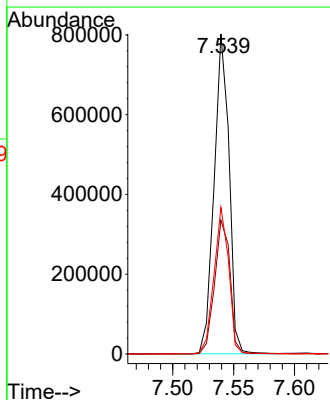
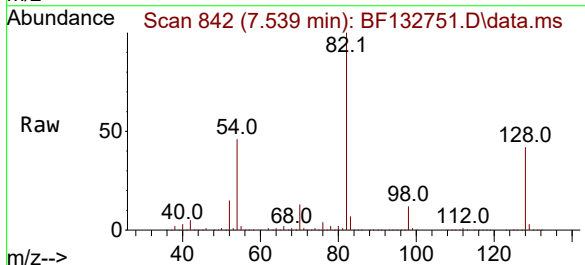
Instrument :
BNA_F
ClientSampleId :
OR-02-03082023

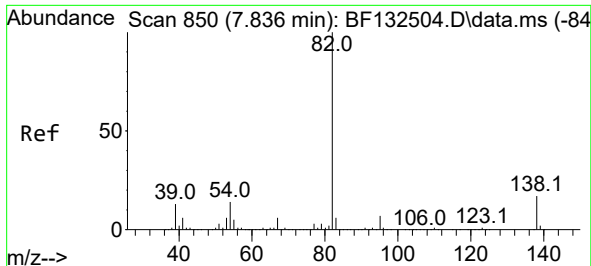
Tgt Ion:136 Resp: 616981
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.8 6.2 9.4
68 6.6 5.2 7.8



#23
Nitrobenzene-d5
Concen: 52.646 ng
RT: 7.539 min Scan# 842
Delta R.T. -0.018 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

Tgt Ion: 82 Resp: 684628
Ion Ratio Lower Upper
82 100
128 41.8 32.2 48.2
54 45.8 38.4 57.6

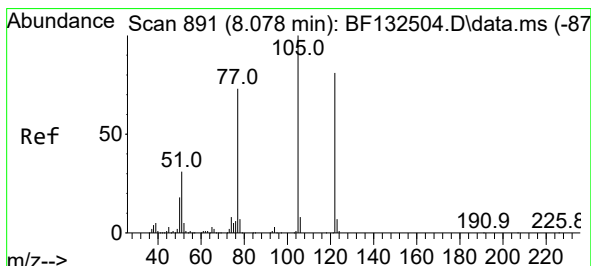
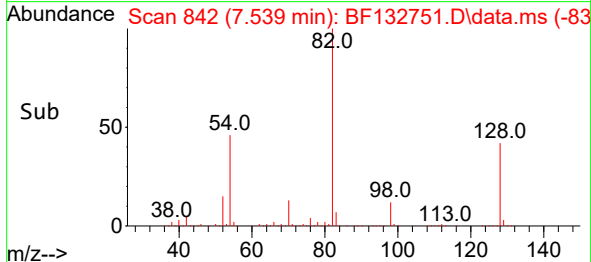
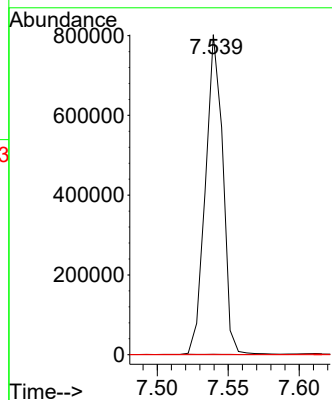
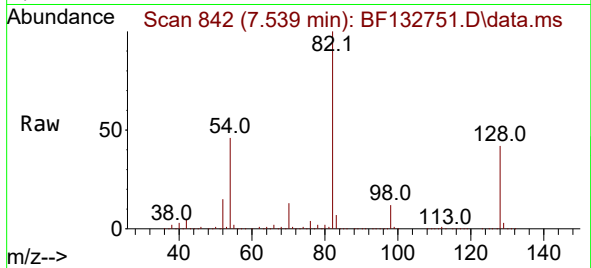




#25
Isophorone
Concen: 27.411 ng
RT: 7.539 min Scan# 84
Delta R.T. -0.270 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

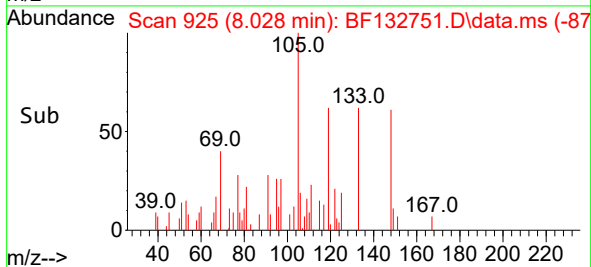
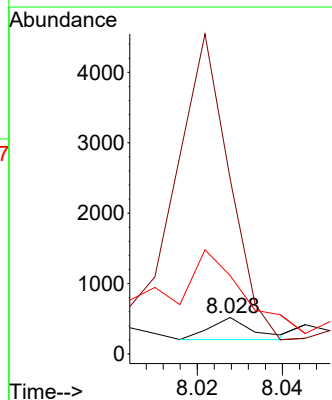
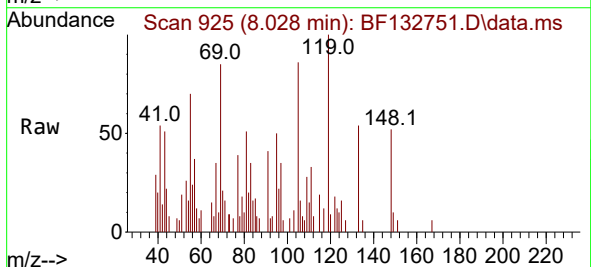
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ClientSampleId :
OR-02-03082023

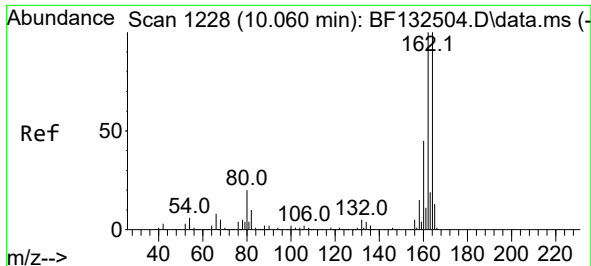
Tgt Ion: 82 Resp: 683416
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.863 ng
RT: 8.028 min Scan# 925
Delta R.T. -0.023 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

Tgt Ion: 122 Resp: 220
Ion Ratio Lower Upper
122 100
105 480.7 102.6 142.6#
77 215.1 70.2 110.2#

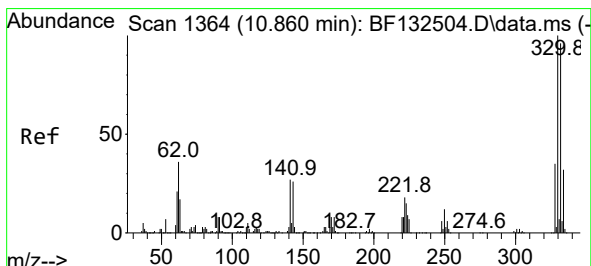
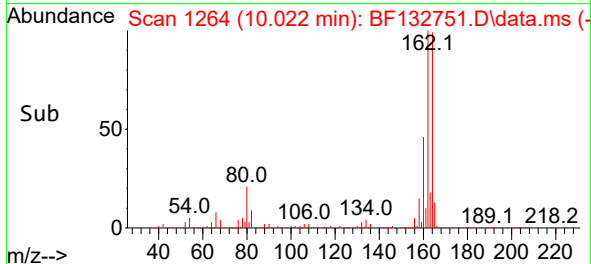
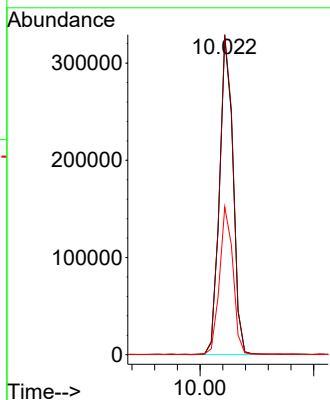
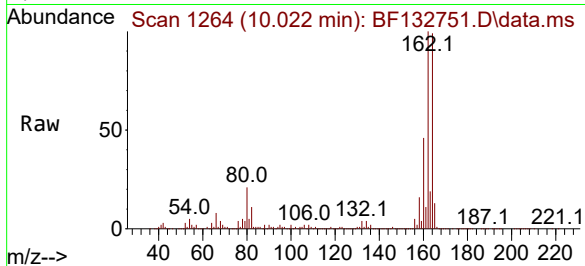




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

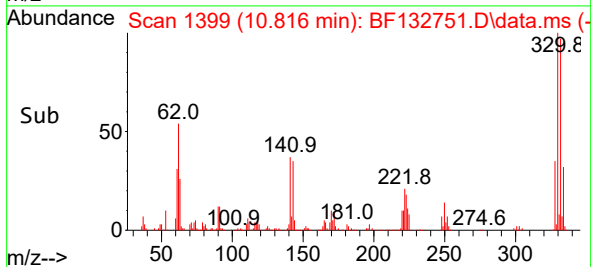
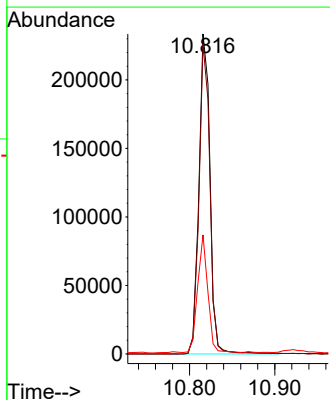
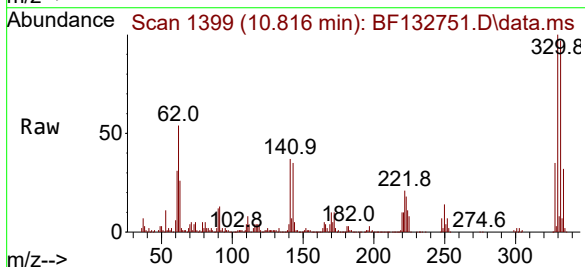
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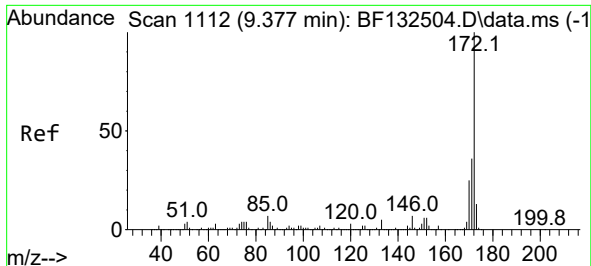
Tgt Ion:164 Resp: 270011
Ion Ratio Lower Upper
164 100
162 100.9 79.8 119.8
160 46.7 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 72.298 ng
RT: 10.816 min Scan# 1399
Delta R.T. -0.012 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

Tgt Ion:330 Resp: 210820
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 34.0 28.4 42.6





#45

2-Fluorobiphenyl

Concen: 57.993 ng

RT: 9.339 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF132751.D

Acq: 10 Mar 2023 20:18

Instrument :

BNA_F

ClientSampleId :

OR-02-03082023

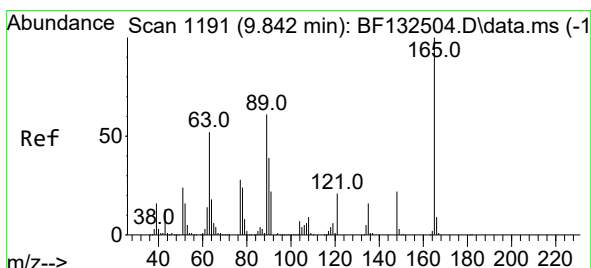
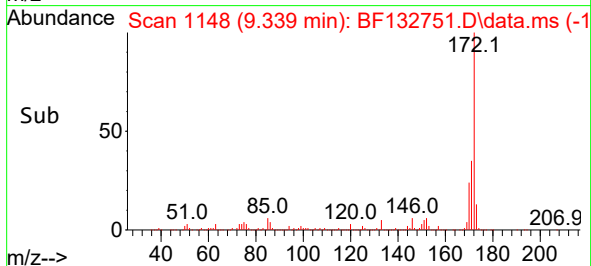
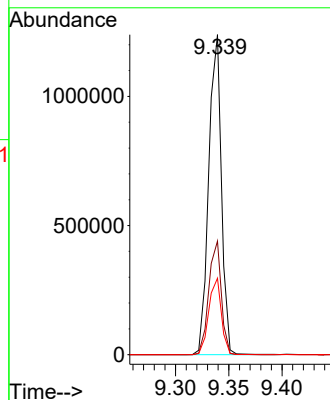
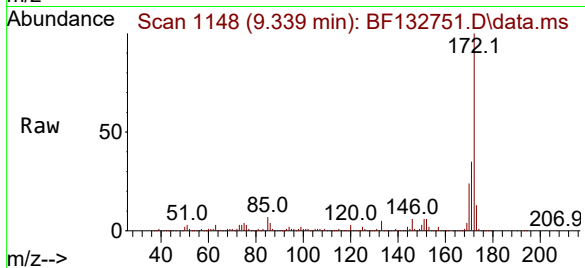
Tgt Ion:172 Resp: 1028388

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.9 19.7 29.5



#51

2,6-Dinitrotoluene

Concen: 8.642 ng

RT: 10.022 min Scan# 1264

Delta R.T. 0.206 min

Lab File: BF132751.D

Acq: 10 Mar 2023 20:18

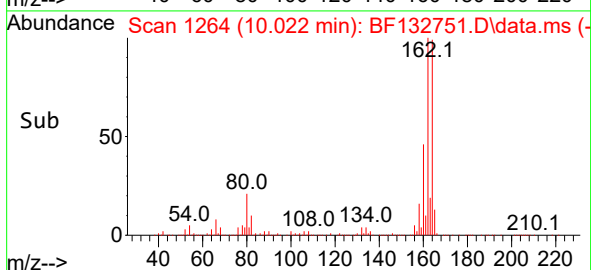
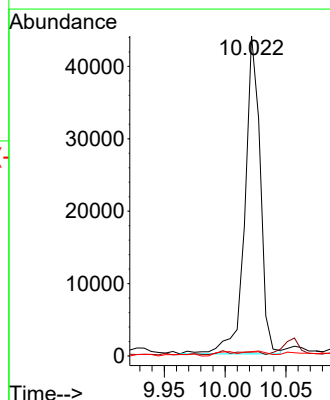
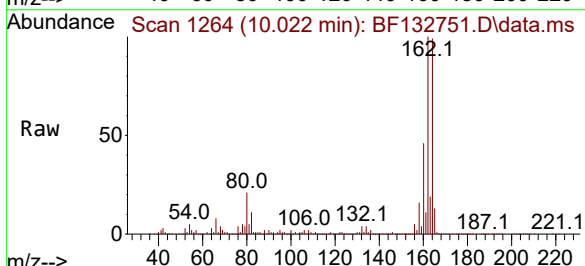
Tgt Ion:165 Resp: 38692

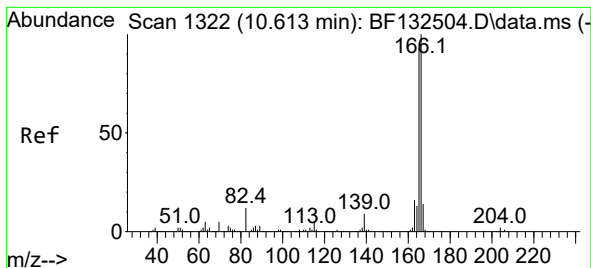
Ion Ratio Lower Upper

165 100

63 1.2 47.3 70.9#

89 1.4 48.9 73.3#





#58

Fluorene

Concen: 2.274 ng

RT: 10.575 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF132751.D

Acq: 10 Mar 2023 20:18

Instrument :

BNA_F

ClientSampleId :

OR-02-03082023

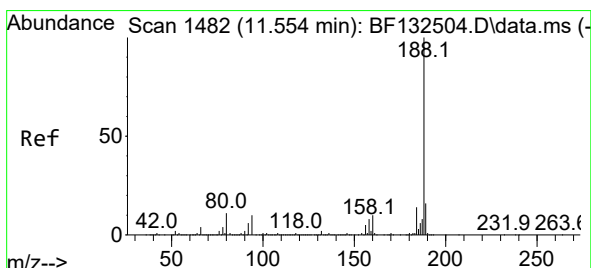
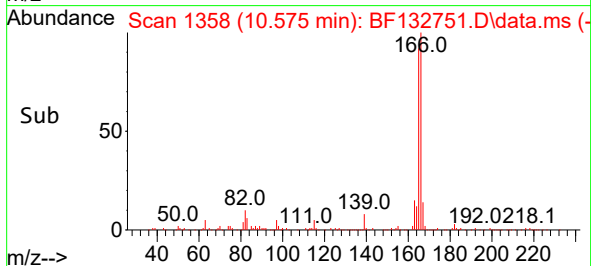
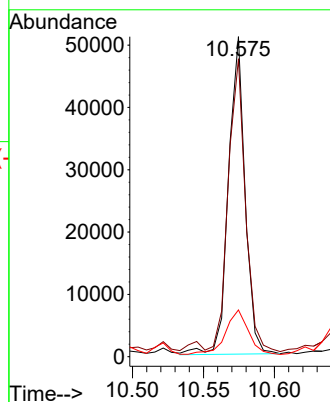
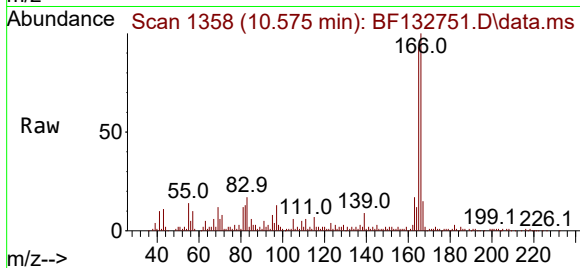
Tgt Ion:166 Resp: 41516

Ion Ratio Lower Upper

166 100

165 93.1 74.2 111.4

167 14.6 11.1 16.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.522 min Scan# 1519

Delta R.T. -0.006 min

Lab File: BF132751.D

Acq: 10 Mar 2023 20:18

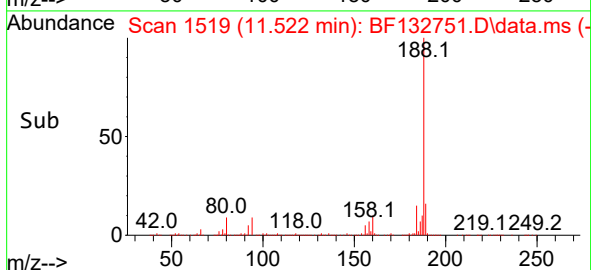
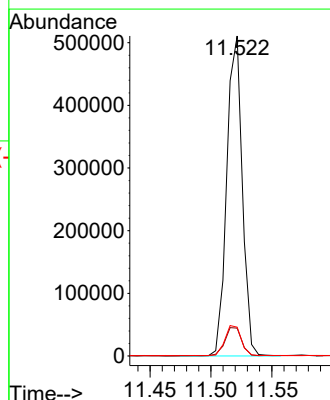
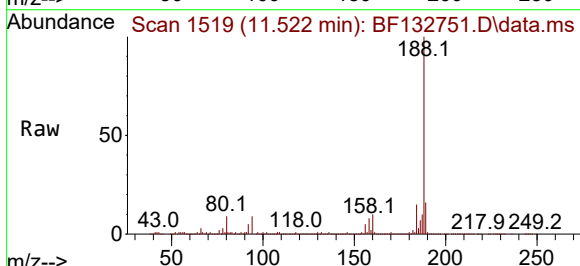
Tgt Ion:188 Resp: 454041

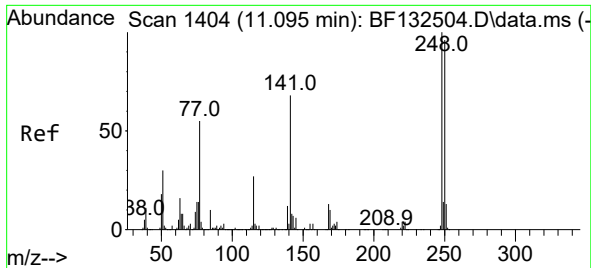
Ion Ratio Lower Upper

188 100

94 8.7 8.3 12.5

80 9.0 8.7 13.1

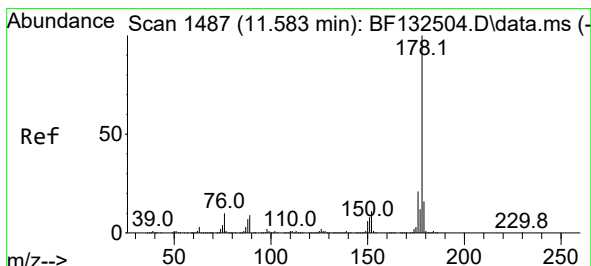
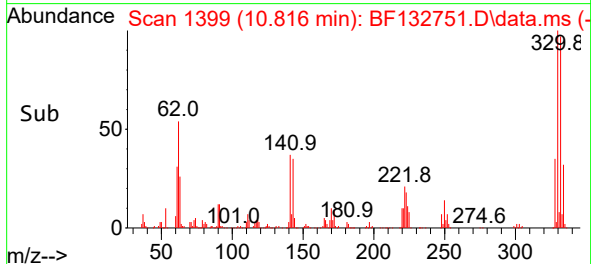
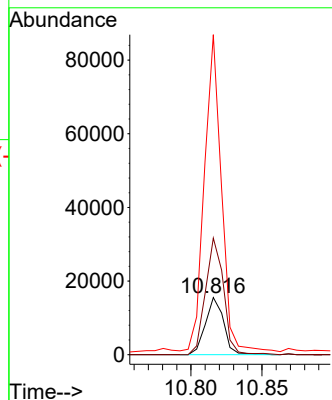
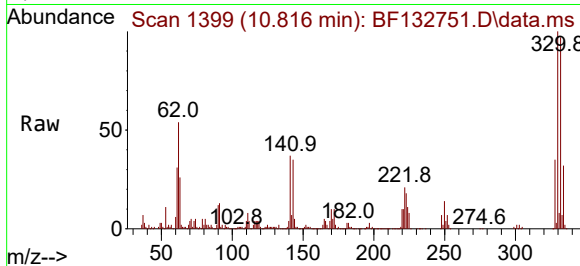




#67
4-Bromophenyl-phenylether
Concen: 2.708 ng
RT: 10.816 min Scan# 11
Delta R.T. -0.247 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

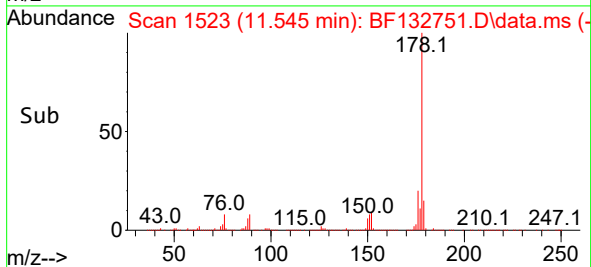
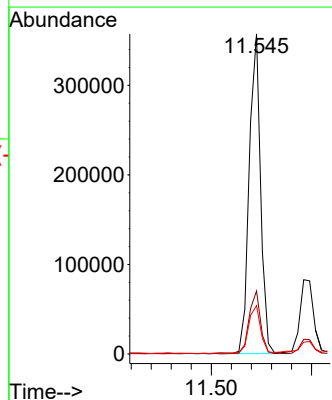
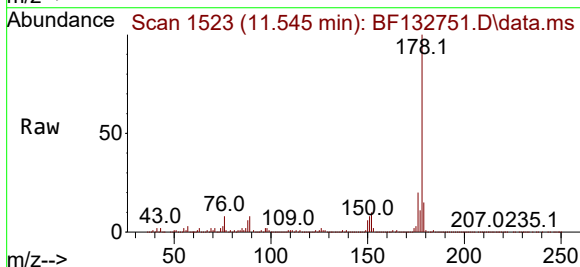
Instrument :
BNA_F
ClientSampleId :
OR-02-03082023

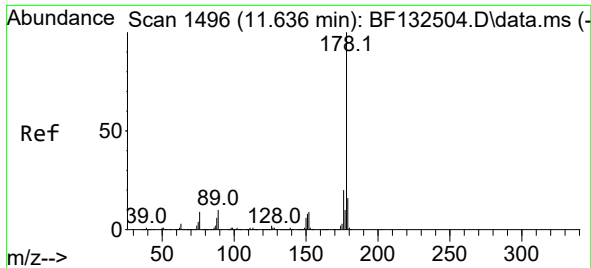
Tgt Ion:248 Resp: 13910
Ion Ratio Lower Upper
248 100
250 204.1 77.0 115.4#
141 559.9 54.2 81.2#



#71
Phenanthrene
Concen: 11.955 ng
RT: 11.545 min Scan# 1523
Delta R.T. -0.012 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

Tgt Ion:178 Resp: 281208
Ion Ratio Lower Upper
178 100
176 19.7 16.5 24.7
179 15.1 13.0 19.6

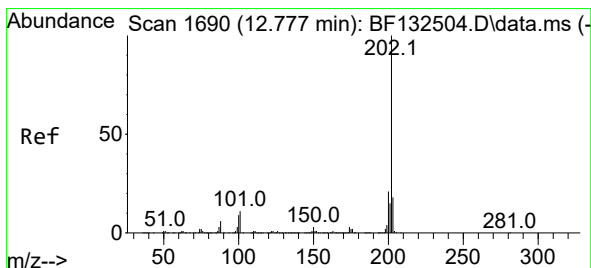
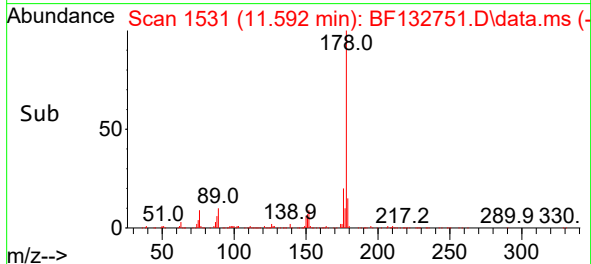
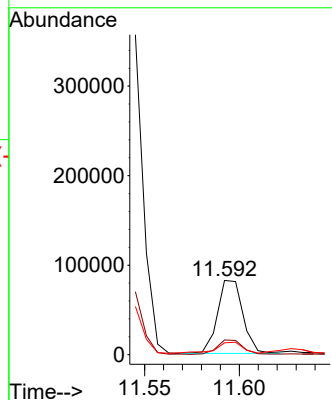
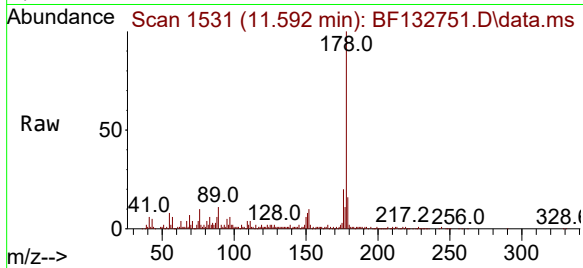




#72
 Anthracene
 Concen: 3.156 ng
 RT: 11.592 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF132751.D
 Acq: 10 Mar 2023 20:18

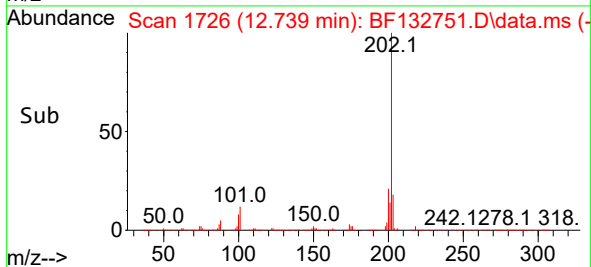
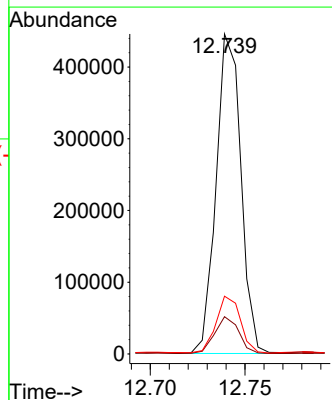
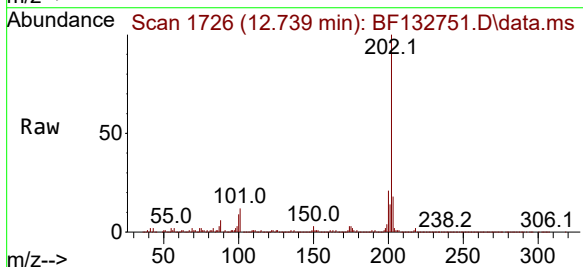
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-03082023

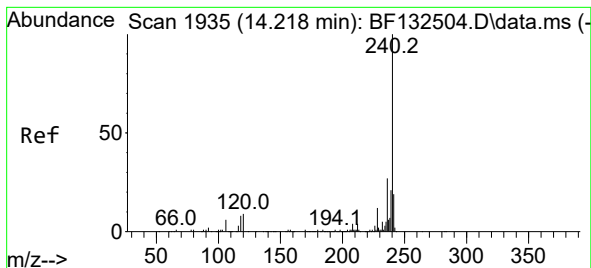
Tgt Ion:178 Resp: 76442
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.6 23.4
 179 16.0 12.5 18.7



#75
 Fluoranthene
 Concen: 15.781 ng
 RT: 12.739 min Scan# 1726
 Delta R.T. -0.012 min
 Lab File: BF132751.D
 Acq: 10 Mar 2023 20:18

Tgt Ion:202 Resp: 405798
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 31.4
 203 18.0 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.180 min Scan# 1935

Delta R.T. -0.006 min

Lab File: BF132751.D

Acq: 10 Mar 2023 20:18

Instrument :

BNA_F

ClientSampleId :

OR-02-03082023

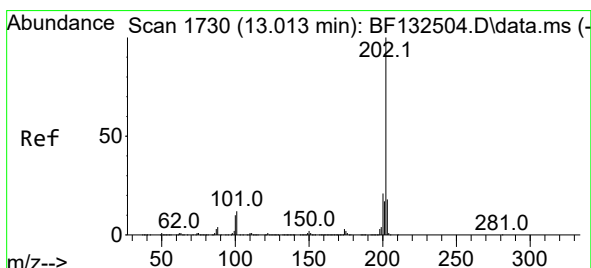
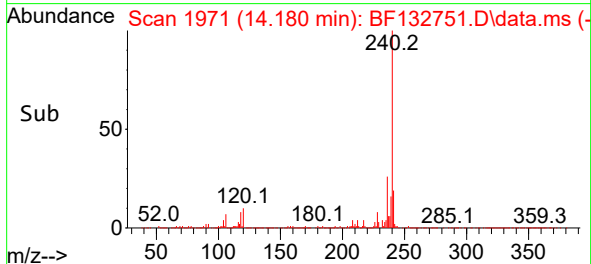
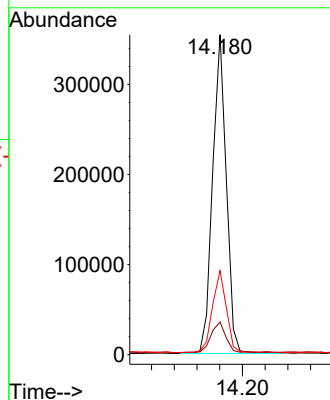
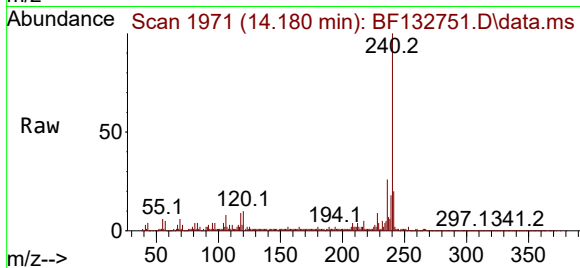
Tgt Ion:240 Resp: 295511

Ion Ratio Lower Upper

240 100

120 10.2 7.2 10.8

236 26.3 21.8 32.6



#78

Pyrene

Concen: 15.848 ng

RT: 12.974 min Scan# 1766

Delta R.T. -0.006 min

Lab File: BF132751.D

Acq: 10 Mar 2023 20:18

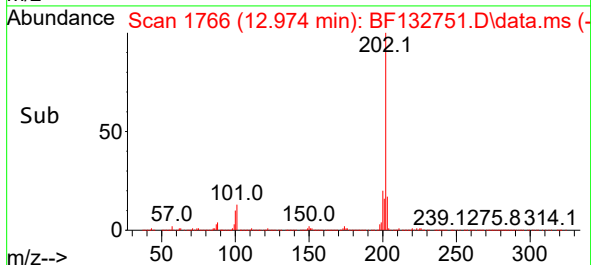
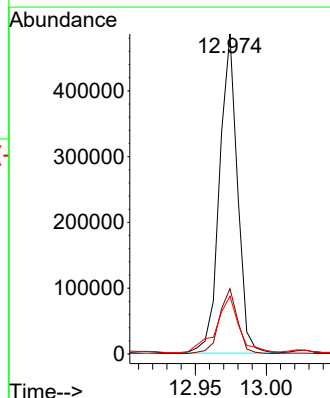
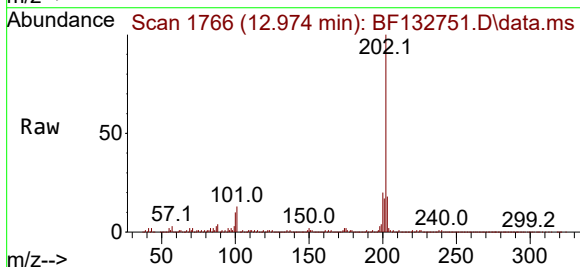
Tgt Ion:202 Resp: 425801

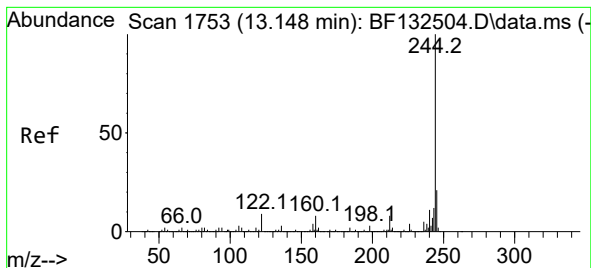
Ion Ratio Lower Upper

202 100

200 20.4 17.1 25.7

203 18.1 14.6 21.8





#79

Terphenyl-d14

Concen: 62.002 ng

RT: 13.110 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132751.D

Acq: 10 Mar 2023 20:18

Instrument :

BNA_F

ClientSampleId :

OR-02-03082023

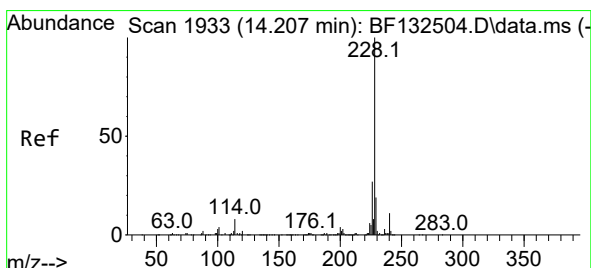
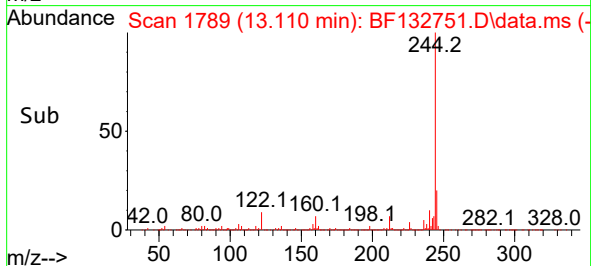
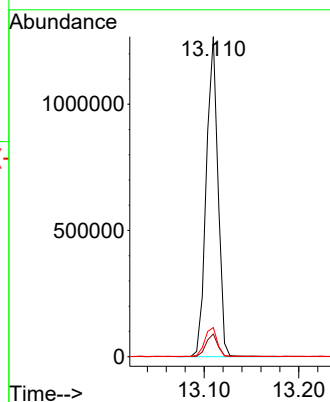
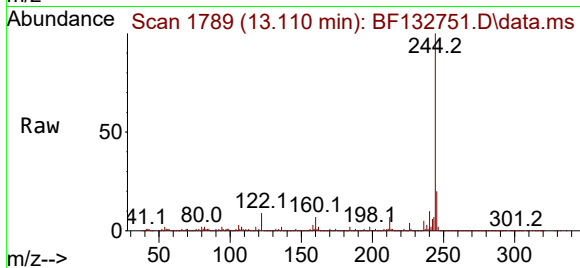
Tgt Ion:244 Resp: 1083688

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

122 9.1 7.5 11.3



#81

Benzo(a)anthracene

Concen: 6.733 ng

RT: 14.168 min Scan# 1969

Delta R.T. -0.006 min

Lab File: BF132751.D

Acq: 10 Mar 2023 20:18

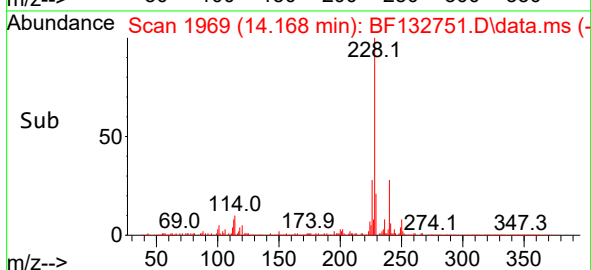
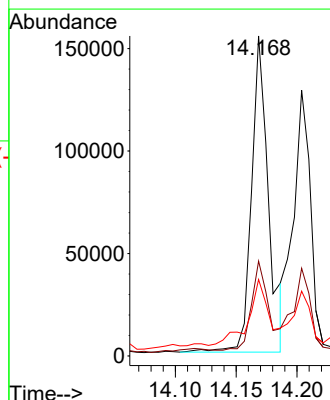
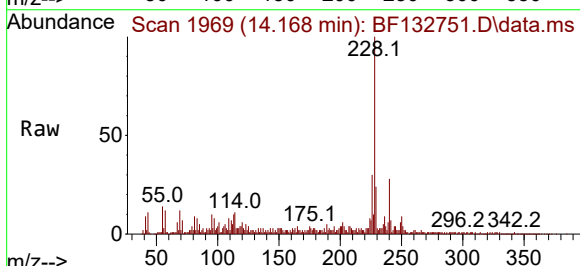
Tgt Ion:228 Resp: 148870

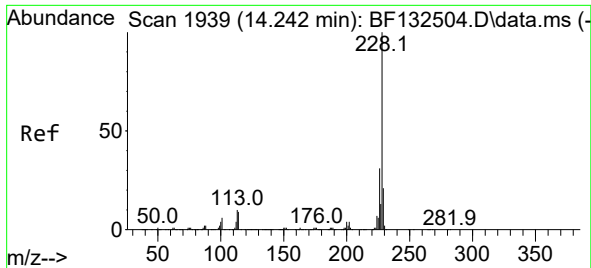
Ion Ratio Lower Upper

228 100

226 29.7 21.7 32.5

229 23.9 15.4 23.2#

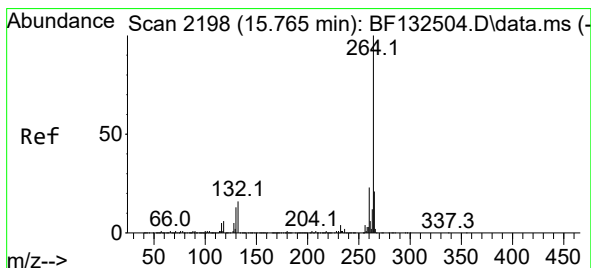
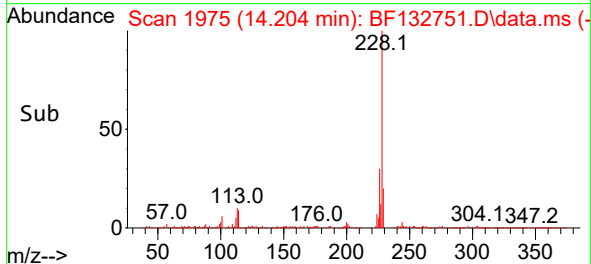
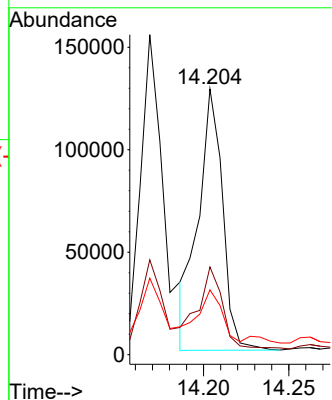
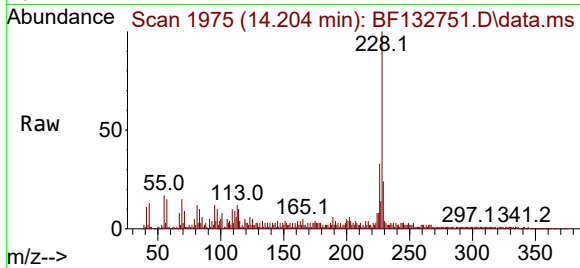




#83
Chrysene
Concen: 6.139 ng
RT: 14.204 min Scan# 1939
Delta R.T. -0.012 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

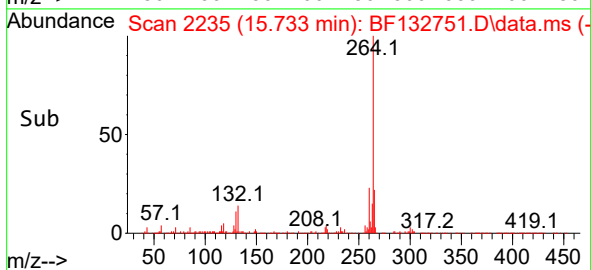
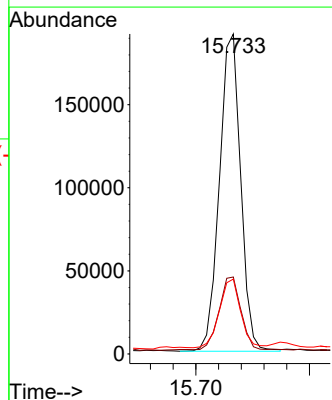
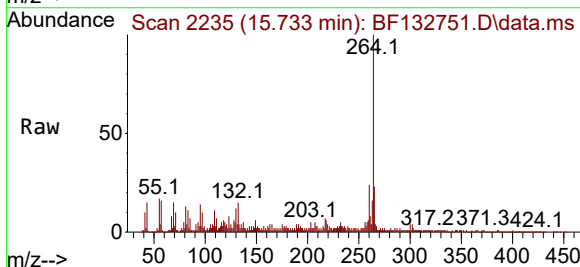
Instrument :
BNA_F
ClientSampleId :
OR-02-03082023

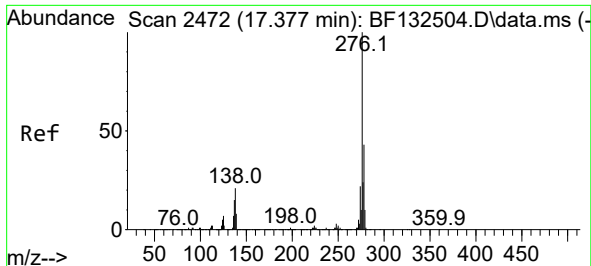
Tgt Ion:228 Resp: 126938
Ion Ratio Lower Upper
228 100
226 33.0 25.0 37.6
229 24.4 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.733 min Scan# 2235
Delta R.T. 0.006 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

Tgt Ion:264 Resp: 248095
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 23.4 17.1 25.7

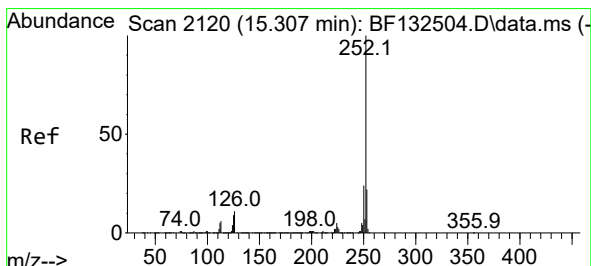
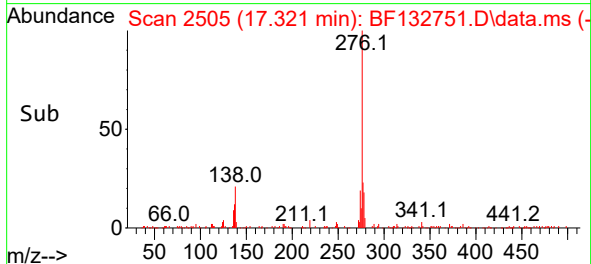
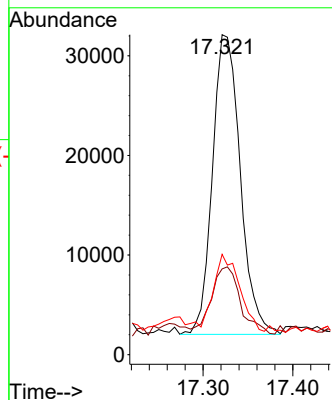
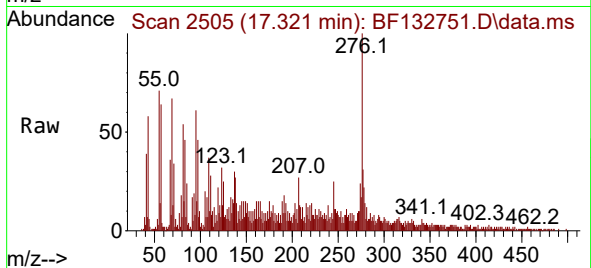




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.985 ng
RT: 17.321 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

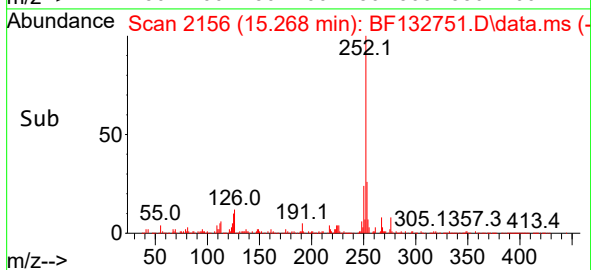
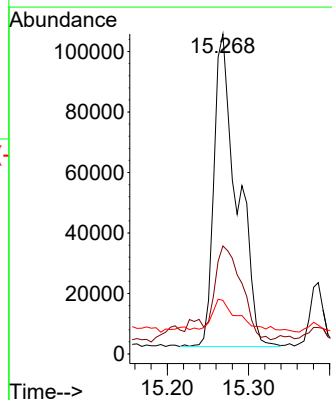
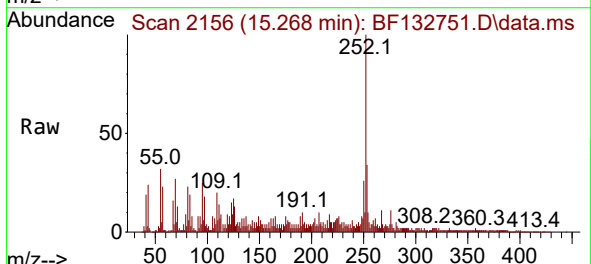
Instrument :
BNA_F
ClientSampleId :
OR-02-03082023

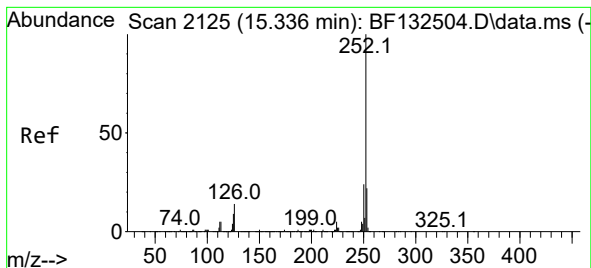
Tgt Ion:276 Resp: 64782
Ion Ratio Lower Upper
276 100
138 23.9 19.0 28.4
277 25.0 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 12.409 ng
RT: 15.268 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BF132751.D
Acq: 10 Mar 2023 20:18

Tgt Ion:252 Resp: 206306
Ion Ratio Lower Upper
252 100
253 33.7 17.4 26.0#
125 16.8 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 12.679 ng

RT: 15.268 min Scan# 2125

Delta R.T. -0.035 min

Lab File: BF132751.D

Acq: 10 Mar 2023 20:18

Instrument :

BNA_F

ClientSampleId :

OR-02-03082023

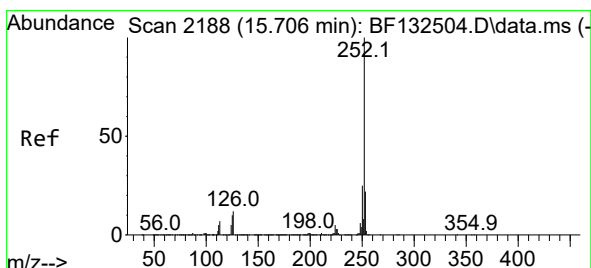
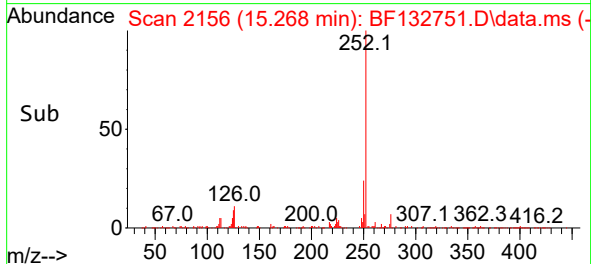
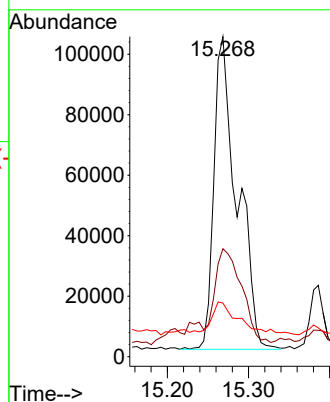
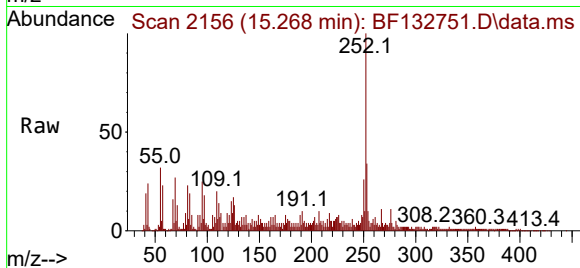
Tgt Ion:252 Resp: 206306

Ion Ratio Lower Upper

252 100

253 33.7 17.5 26.3#

125 16.8 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 7.227 ng

RT: 15.662 min Scan# 2223

Delta R.T. 0.000 min

Lab File: BF132751.D

Acq: 10 Mar 2023 20:18

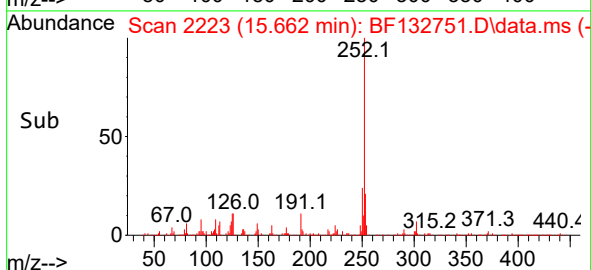
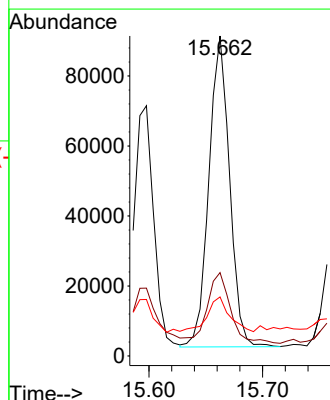
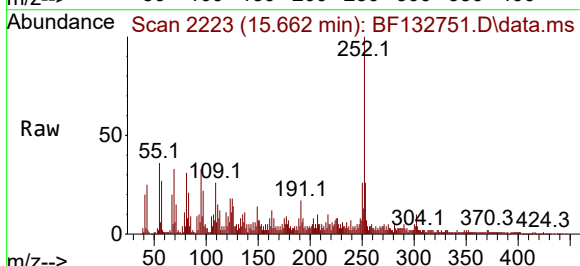
Tgt Ion:252 Resp: 112458

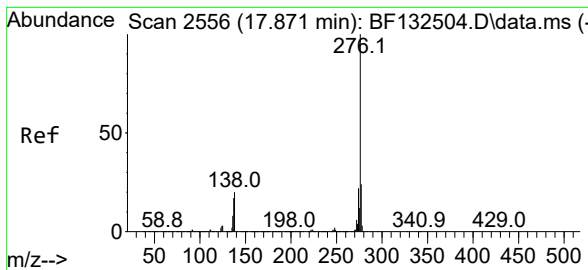
Ion Ratio Lower Upper

252 100

253 26.0 17.2 25.8#

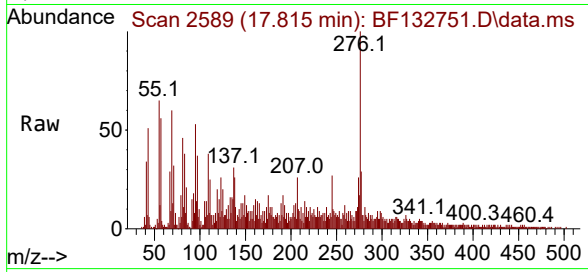
125 18.4 8.0 12.0#





#92
 Benzo(g,h,i)perylene
 Concen: 6.399 ng
 RT: 17.815 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF132751.D
 Acq: 10 Mar 2023 20:18

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-03082023



Tgt Ion:	276	Resp:	74118
Ion Ratio	Lower	Upper	
276	100		
277	28.9	18.9	28.3#
138	26.0	16.2	24.4#

