

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030823\
 Data File : BF132702.D
 Acq On : 08 Mar 2023 21:36
 Operator : CG\JU
 Sample : 01834-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Quant Time: Mar 09 00:41:20 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 07 13:42:31 2023
 Response via : Initial Calibration

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

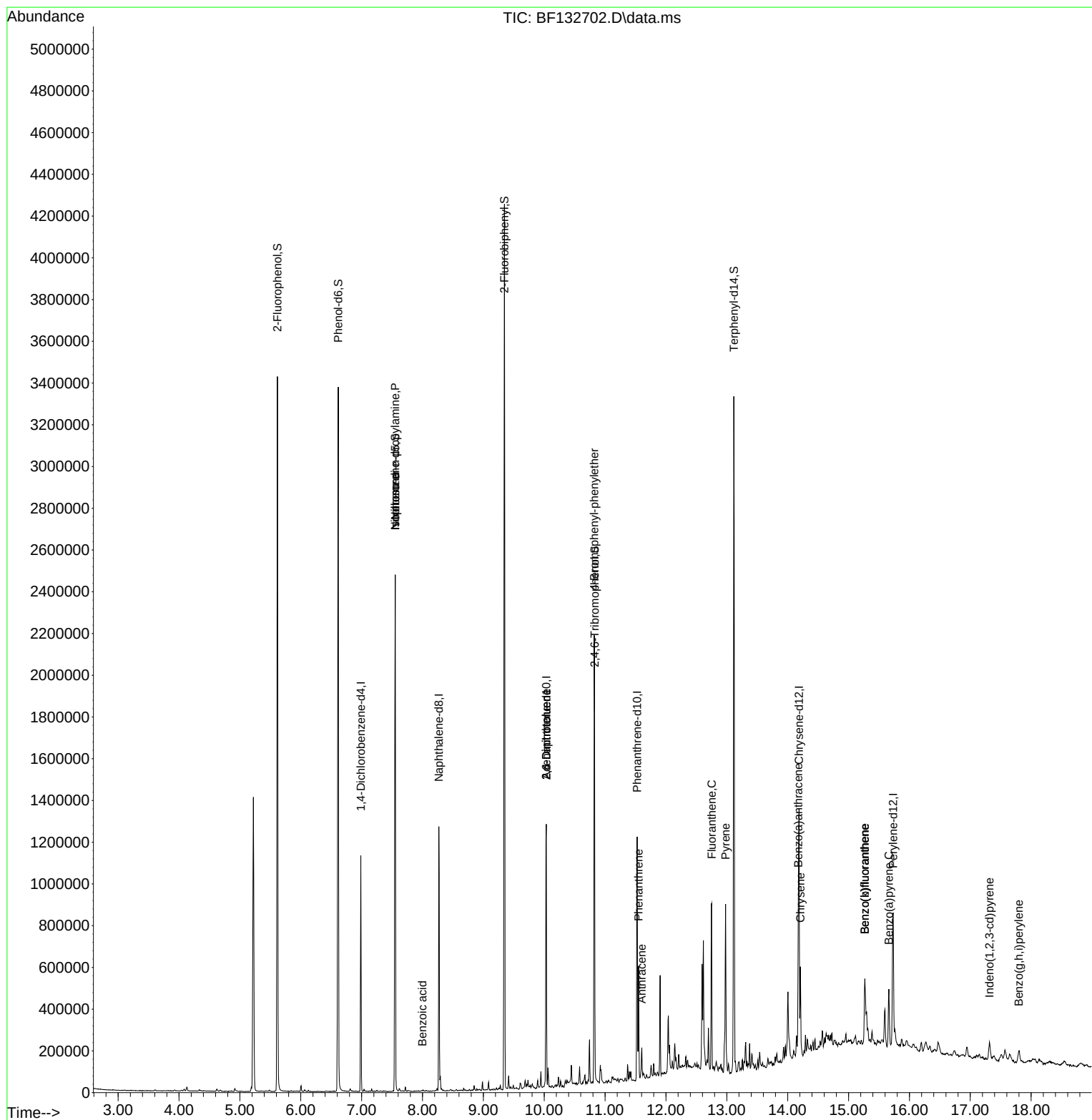
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.987	152	148668	20.000	ng	0.00
21) Naphthalene-d8	8.269	136	525345	20.000	ng	-0.01
39) Acenaphthene-d10	10.033	164	261111	20.000	ng	0.00
64) Phenanthrene-d10	11.528	188	419971	20.000	ng	0.00
76) Chrysene-d12	14.186	240	346617	20.000	ng	-0.01
86) Perylene-d12	15.733	264	322647	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	966082	105.465	ng	0.00
7) Phenol-d6	6.616	99	1227219	102.654	ng	0.00
23) Nitrobenzene-d5	7.551	82	774253	69.923	ng	-0.01
42) 2,4,6-Tribromophenol	10.828	330	255560	90.628	ng	0.00
45) 2-Fluorobiphenyl	9.345	172	1214111	70.801	ng	-0.01
79) Terphenyl-d14	13.116	244	1182160	57.664	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.551	70	99903	13.578	ng	# 77
25) Isophorone	7.551	82	774243	36.471	ng	# 67
32) Benzoic acid	7.998	122	116	3.852	ng	86
51) 2,6-Dinitrotoluene	10.033	165	34824	8.043	ng	# 22
57) 2,4-Dinitrotoluene	10.033	165	34824	6.046	ng	# 21
67) 4-Bromophenyl-phenylether	10.822	248	16694	3.514	ng	# 1
71) Phenanthrene	11.551	178	192471	8.847	ng	98
72) Anthracene	11.604	178	57296	2.557	ng	98
75) Fluoranthene	12.751	202	329611	13.858	ng	97
78) Pyrene	12.980	202	317668	10.080	ng	98
81) Benzo(a)anthracene	14.174	228	188927	7.285	ng	98
83) Chrysene	14.210	228	155935	6.430	ng	97
87) Indeno(1,2,3-cd)pyrene	17.315	276	59630	2.821	ng	97
88) Benzo(b)fluoranthene	15.268	252	256975	11.885	ng	# 95
89) Benzo(k)fluoranthene	15.268	252	256975	12.144	ng	# 96
90) Benzo(a)pyrene	15.663	252	135283	6.685	ng	97
92) Benzo(g,h,i)perylene	17.798	276	53914	4.291	ng	96

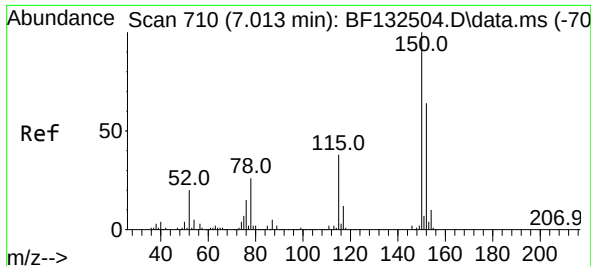
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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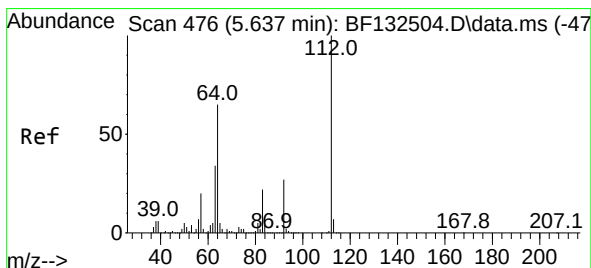
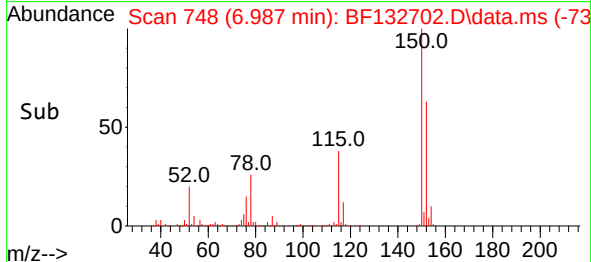
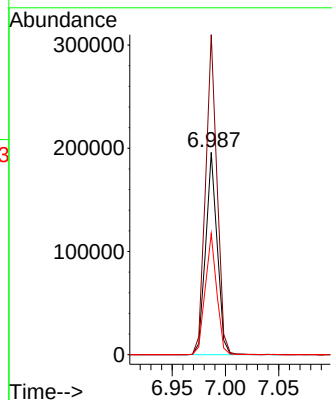
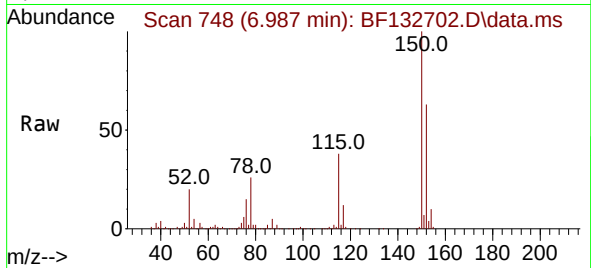




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.987 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

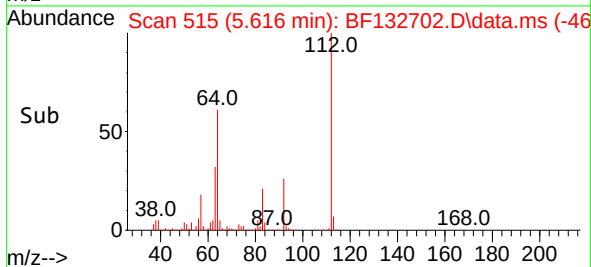
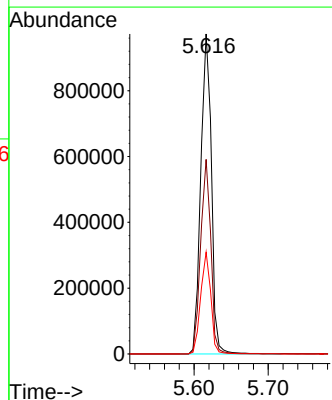
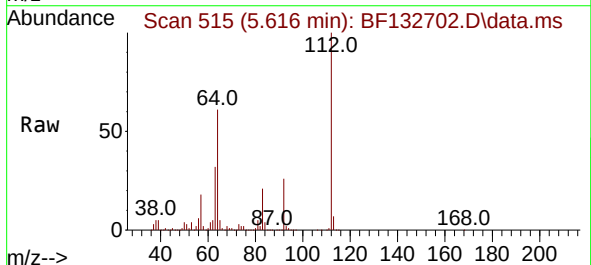
Instrument :
BNA_F
ClientSampleId :
TP-8

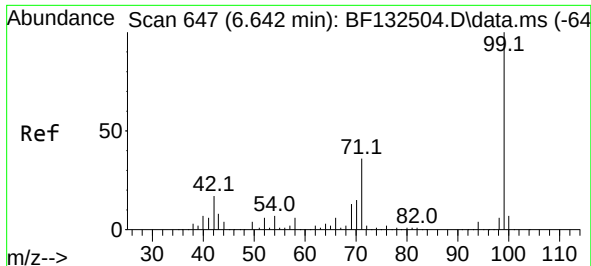
Tgt Ion:152 Resp: 148668
Ion Ratio Lower Upper
152 100
150 158.2 125.4 188.2
115 59.9 47.8 71.6



#5
2-Fluorophenol
Concen: 105.465 ng
RT: 5.616 min Scan# 515
Delta R.T. -0.000 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Tgt Ion:112 Resp: 966082
Ion Ratio Lower Upper
112 100
64 60.8 51.6 77.4
63 31.8 27.4 41.2



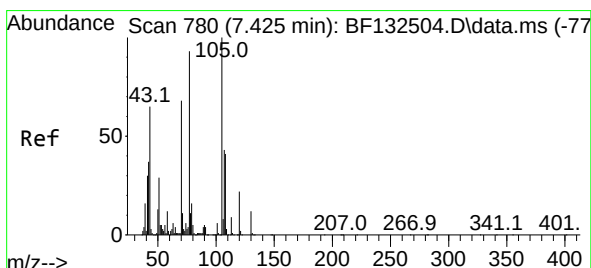
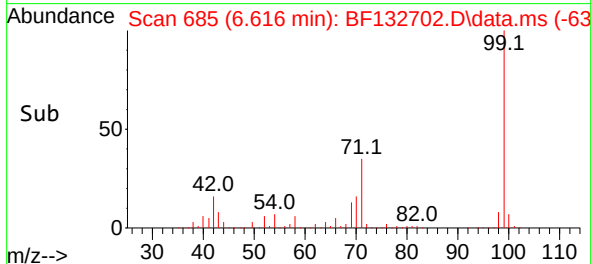
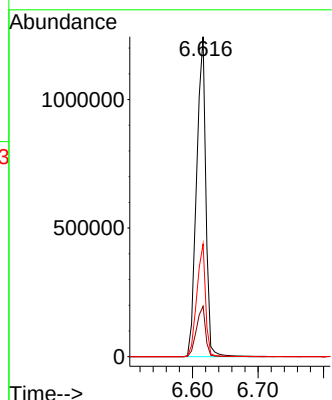
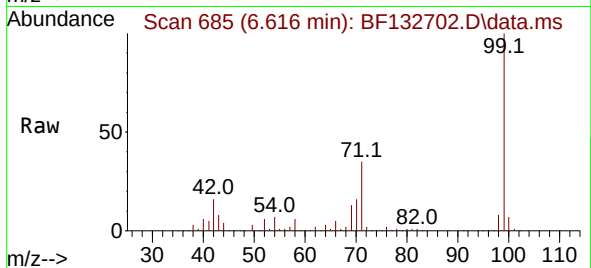


#7
Phenol-d6
Concen: 102.654 ng
RT: 6.616 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion: 99 Resp: 1227219

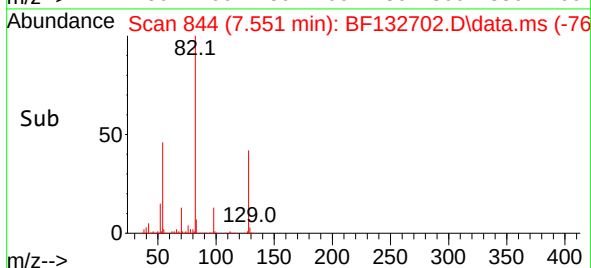
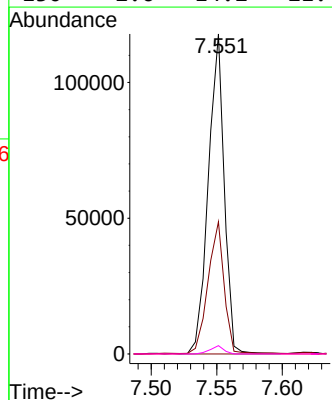
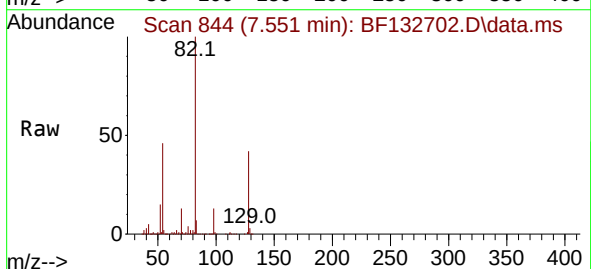
Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.9	20.9
71	35.2	28.5	42.7

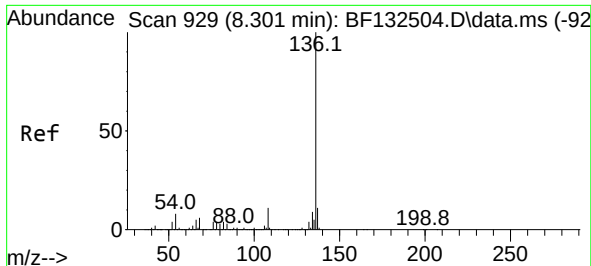


#19
n-Nitroso-di-n-propylamine
Concen: 13.578 ng
RT: 7.551 min Scan# 844
Delta R.T. 0.147 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Tgt Ion: 70 Resp: 99903

Ion	Ratio	Lower	Upper
70	100		
42	41.3	44.1	66.1#
101	0.0	7.4	11.2#
130	2.6	14.2	21.4#



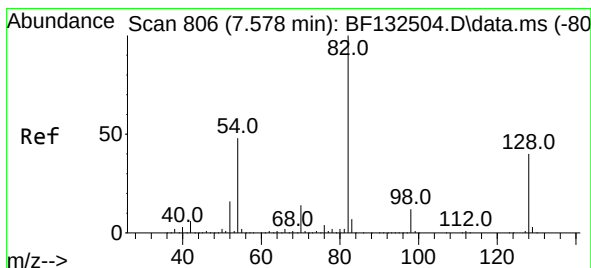
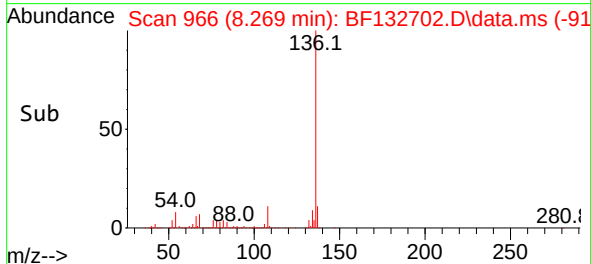
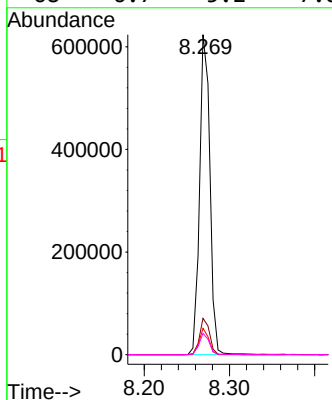
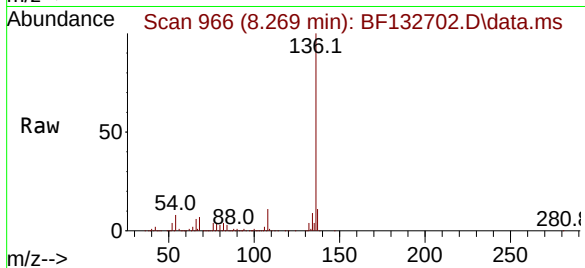


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.269 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:136 Resp: 525345

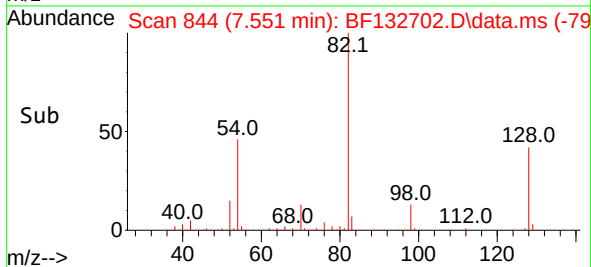
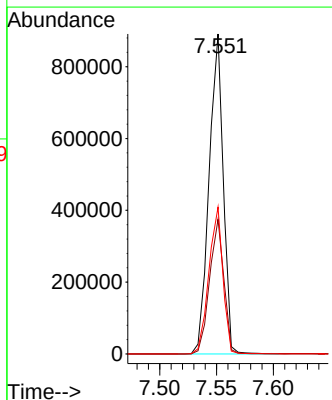
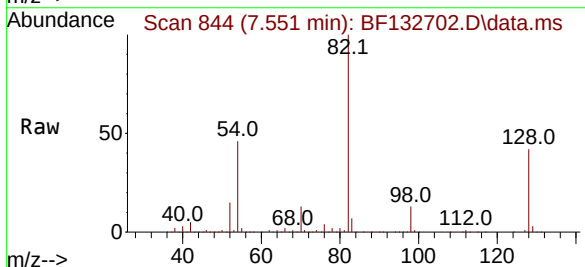
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.2	6.2	9.4
68	6.7	5.2	7.8

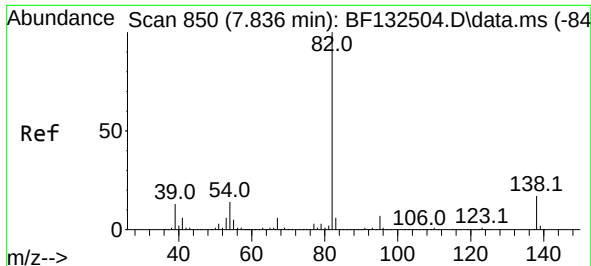


#23
Nitrobenzene-d5
Concen: 69.923 ng
RT: 7.551 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Tgt Ion: 82 Resp: 774253

Ion	Ratio	Lower	Upper
82	100		
128	42.1	32.2	48.2
54	45.9	38.4	57.6

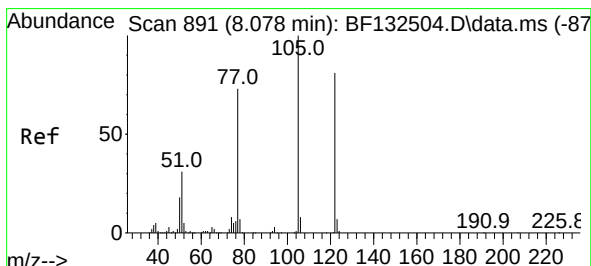
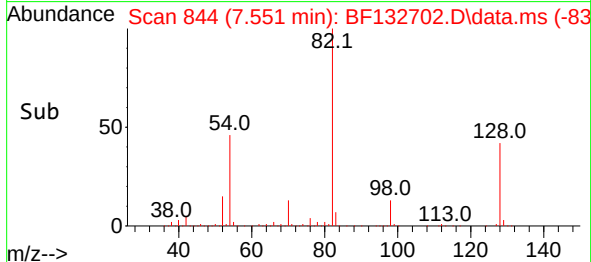
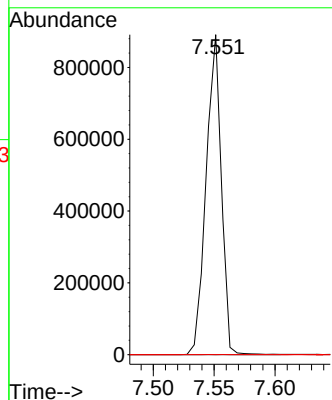
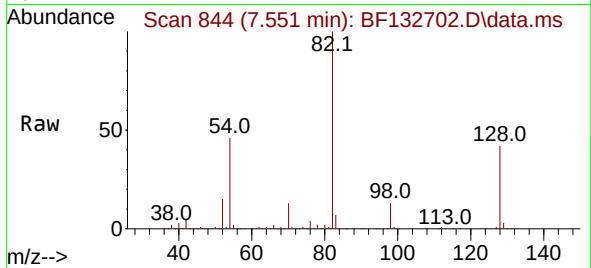




#25
Isophorone
Concen: 36.471 ng
RT: 7.551 min Scan# 84
Delta R.T. -0.265 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

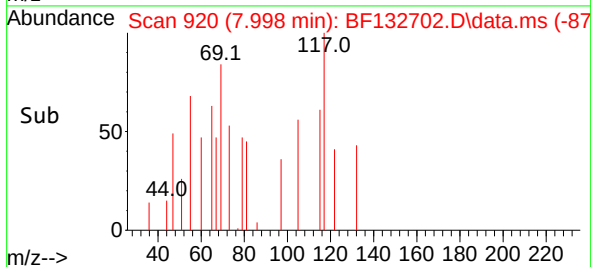
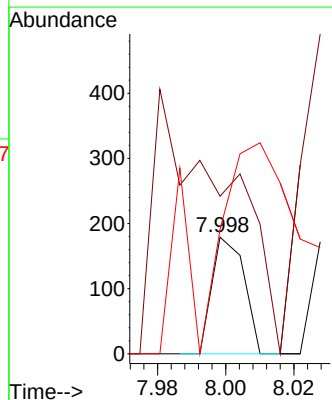
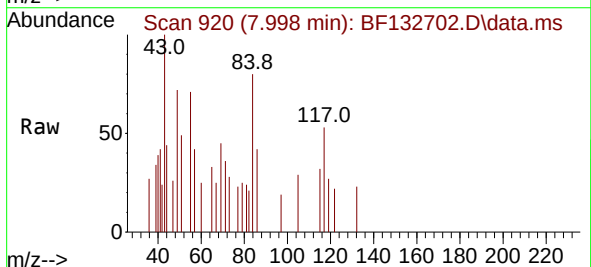
Instrument :
BNA_F
ClientSampleId :
TP-8

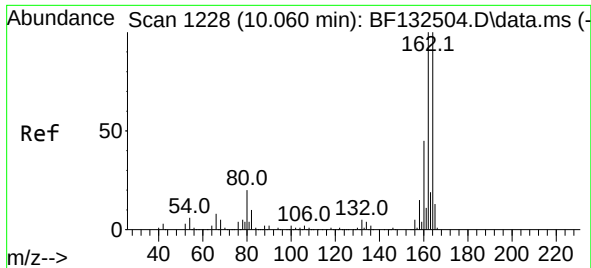
Tgt Ion: 82 Resp: 774243
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.852 ng
RT: 7.998 min Scan# 920
Delta R.T. -0.059 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Tgt Ion: 122 Resp: 116
Ion Ratio Lower Upper
122 100
105 135.2 102.6 142.6
77 106.7 70.2 110.2

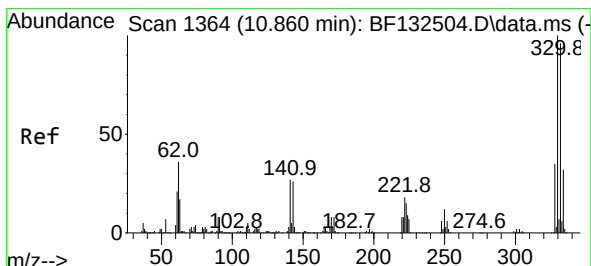
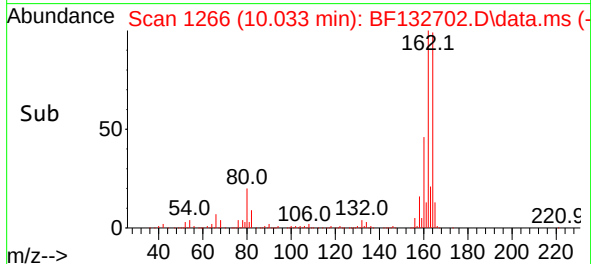
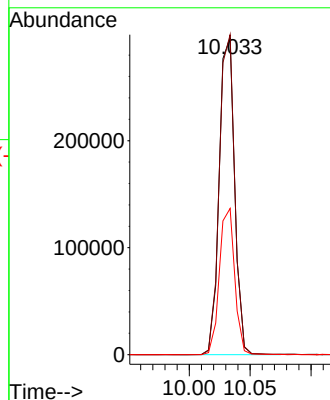
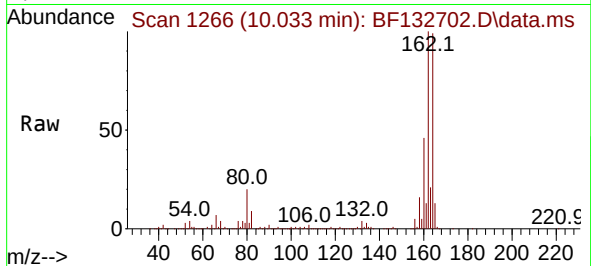




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.033 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

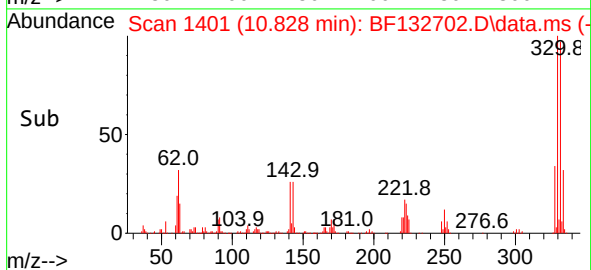
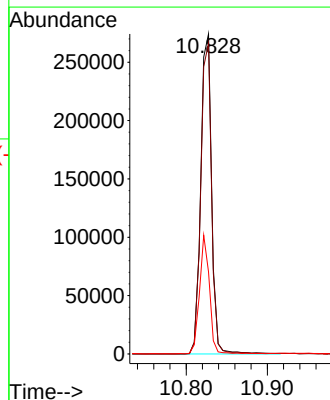
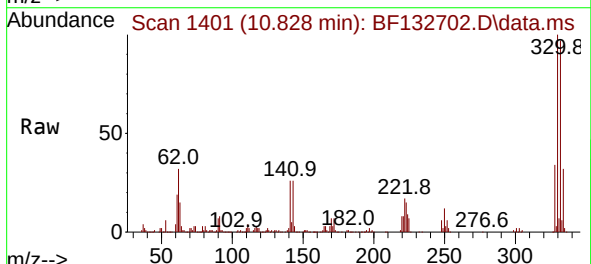
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ClientSampleId :
TP-8

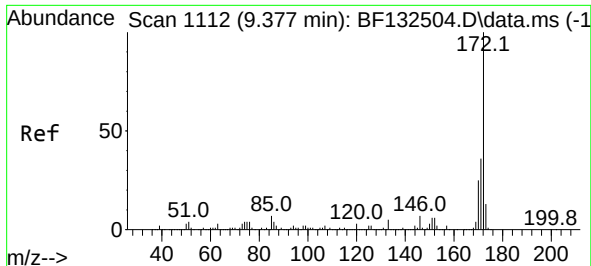
Tgt Ion:164 Resp: 261111
Ion Ratio Lower Upper
164 100
162 101.0 79.8 119.8
160 46.1 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 90.628 ng
RT: 10.828 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Tgt Ion:330 Resp: 255560
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 33.9 28.4 42.6

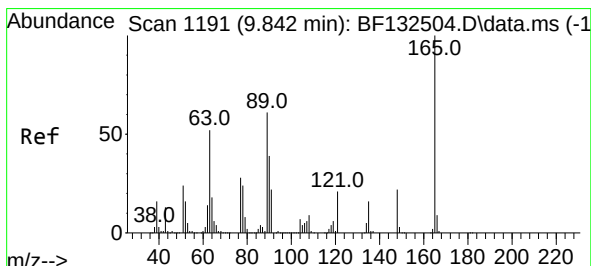
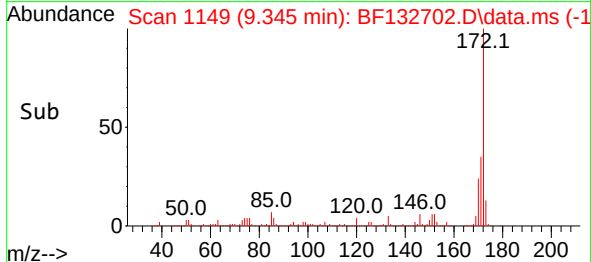
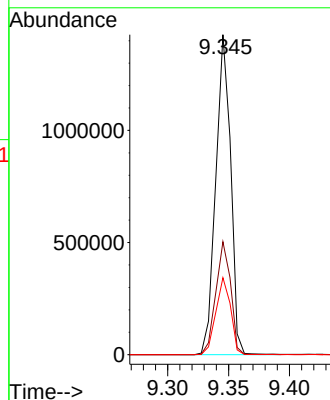
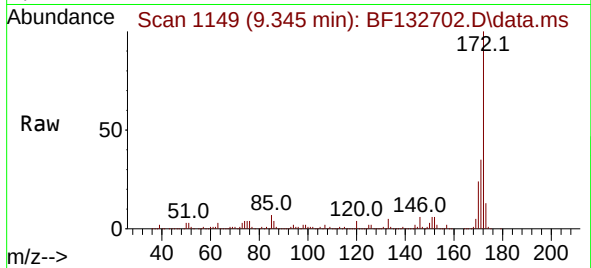




#45
2-Fluorobiphenyl
Concen: 70.801 ng
RT: 9.345 min Scan# 1112
Delta R.T. -0.012 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

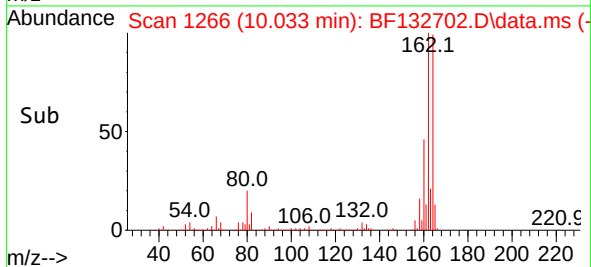
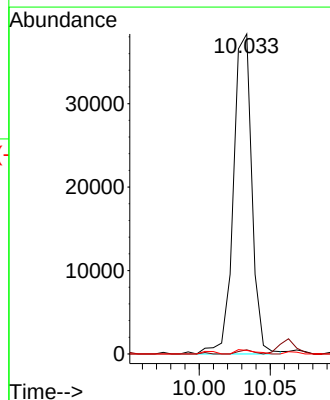
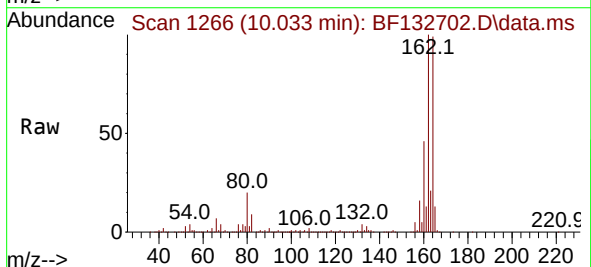
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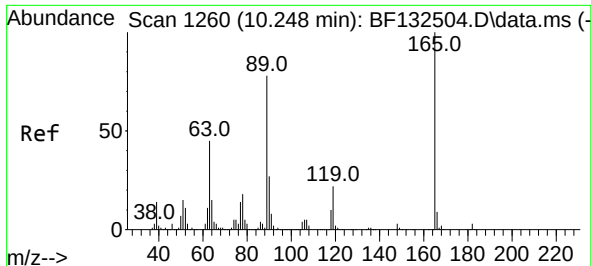
Tgt Ion:172 Resp: 1214111
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 24.1 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 8.043 ng
RT: 10.033 min Scan# 1266
Delta R.T. 0.212 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Tgt Ion:165 Resp: 34824
Ion Ratio Lower Upper
165 100
63 1.3 47.3 70.9#
89 1.1 48.9 73.3#

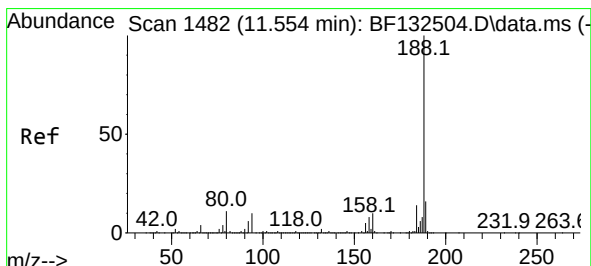
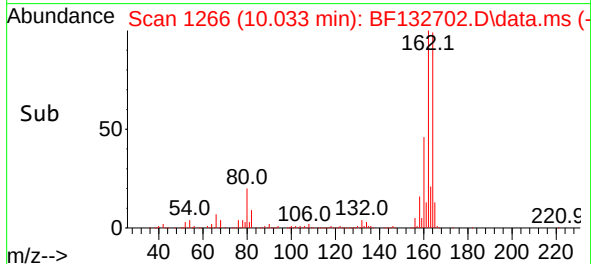
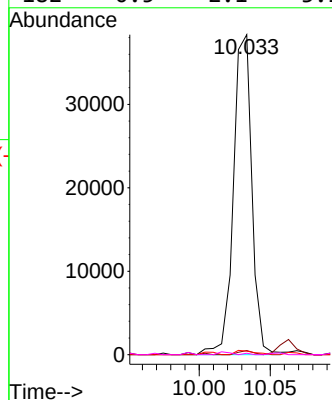
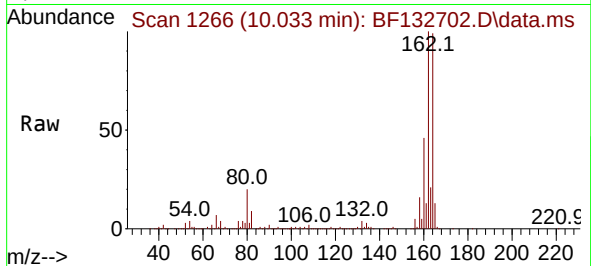




#57
2,4-Dinitrotoluene
Concen: 6.046 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

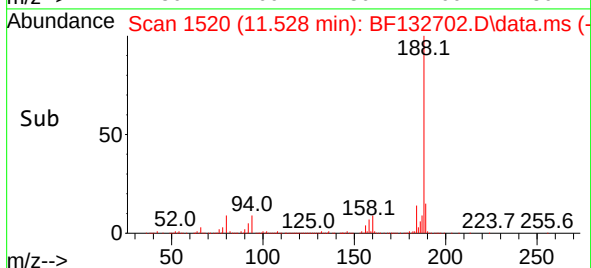
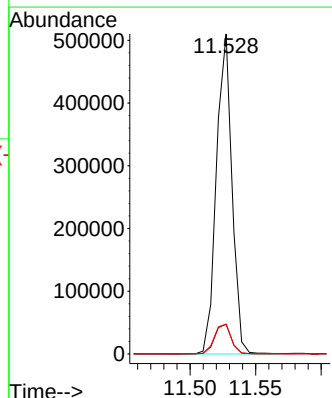
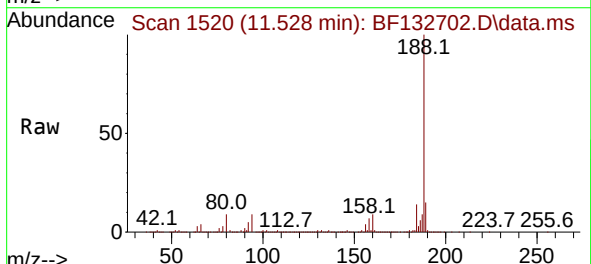
Instrument :
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TP-8

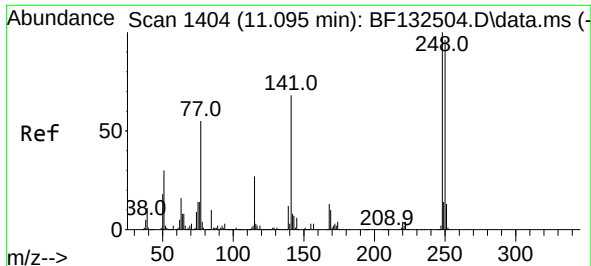
Tgt Ion:165 Resp: 34824
Ion Ratio Lower Upper
165 100
63 1.3 36.5 54.7#
89 1.1 62.4 93.6#
182 0.5 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.528 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

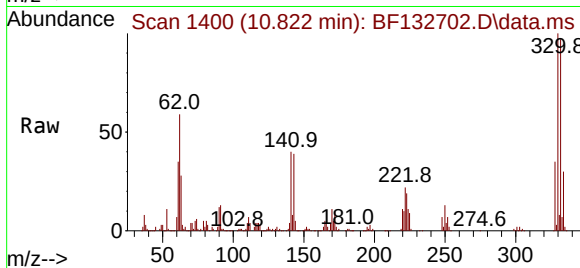
Tgt Ion:188 Resp: 419971
Ion Ratio Lower Upper
188 100
94 9.3 8.3 12.5
80 9.3 8.7 13.1



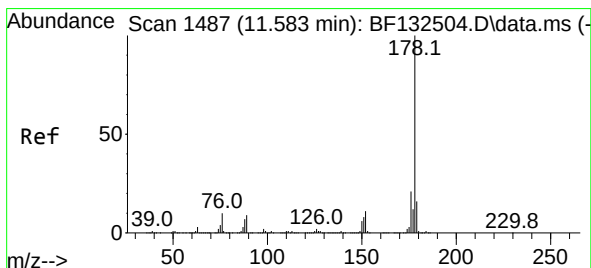
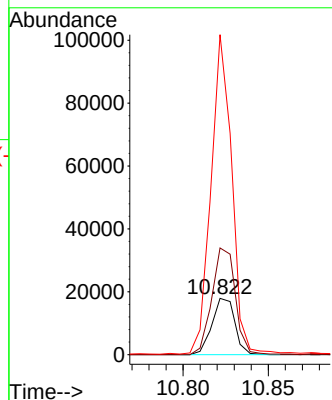
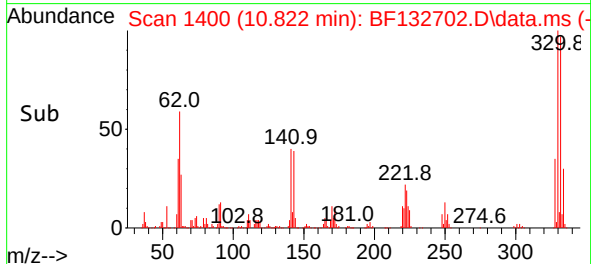


#67
4-Bromophenyl-phenylether
Concen: 3.514 ng
RT: 10.822 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Instrument :
BNA_F
ClientSampleId :
TP-8

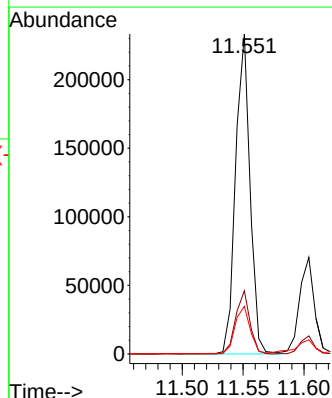
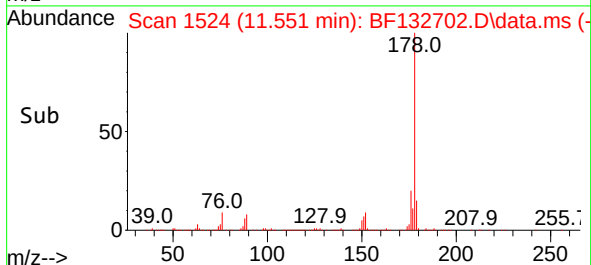
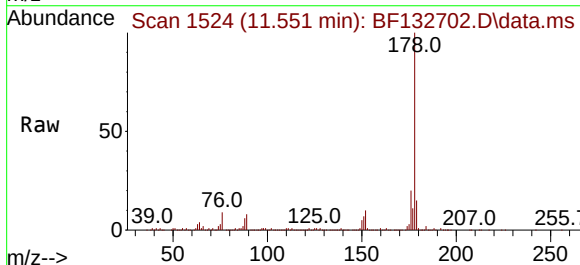


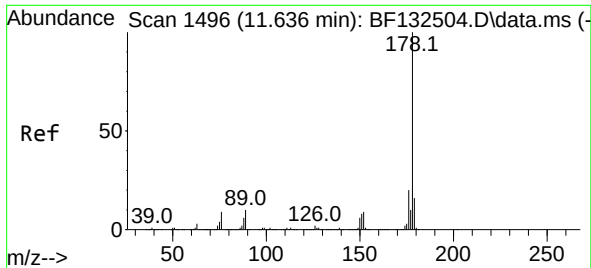
Tgt Ion:248 Resp: 16694
Ion Ratio Lower Upper
248 100
250 189.8 77.0 115.4#
141 568.9 54.2 81.2#



#71
Phenanthrene
Concen: 8.847 ng
RT: 11.551 min Scan# 1524
Delta R.T. -0.012 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Tgt Ion:178 Resp: 192471
Ion Ratio Lower Upper
178 100
176 19.7 16.5 24.7
179 14.9 13.0 19.6

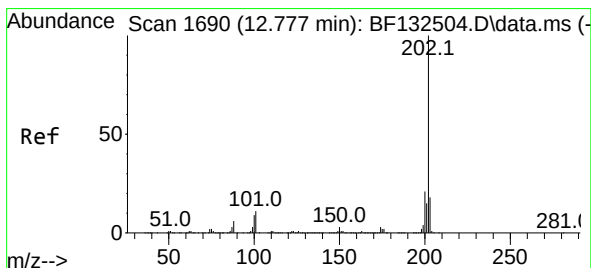
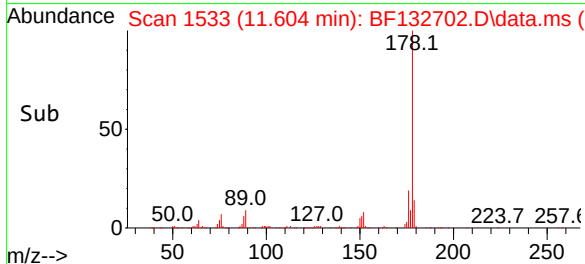
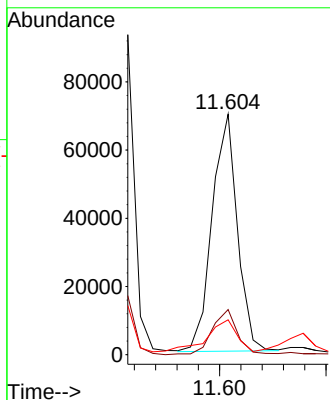
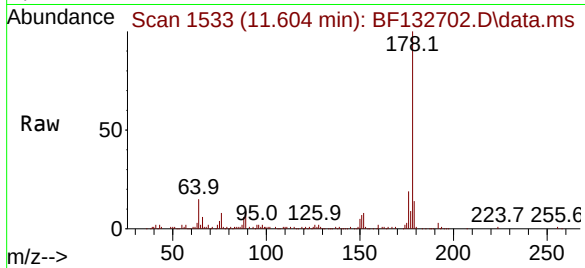




#72
 Anthracene
 Concen: 2.557 ng
 RT: 11.604 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF132702.D
 Acq: 08 Mar 2023 21:36

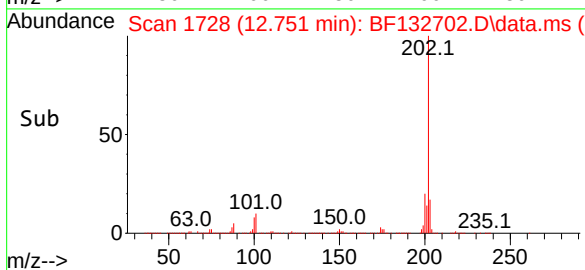
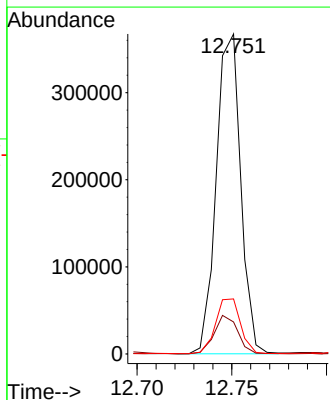
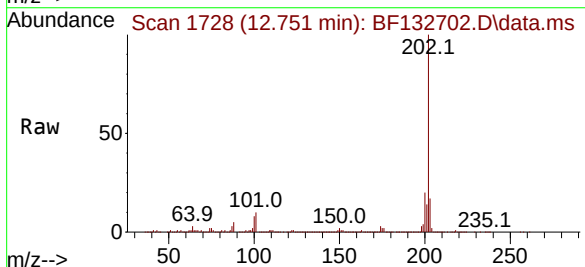
Instrument :
 BNA_F
 ClientSampleId :
 TP-8

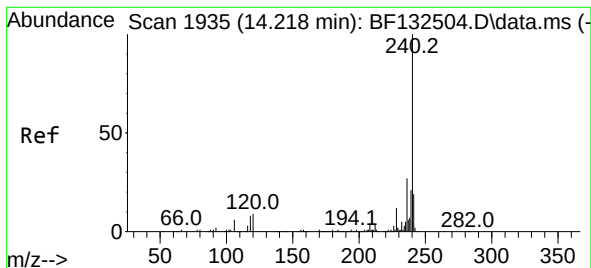
Tgt Ion:178	Resp:	57296
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.6 23.4
179	14.5	12.5 18.7



#75
 Fluoranthene
 Concen: 13.858 ng
 RT: 12.751 min Scan# 1728
 Delta R.T. -0.006 min
 Lab File: BF132702.D
 Acq: 08 Mar 2023 21:36

Tgt Ion:202	Resp:	329611
Ion Ratio	Lower	Upper
202	100	
101	10.0	0.0 31.4
203	17.2	0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.186 min Scan# 1935

Delta R.T. -0.012 min

Lab File: BF132702.D

Acq: 08 Mar 2023 21:36

Instrument :

BNA_F

ClientSampleId :

TP-8

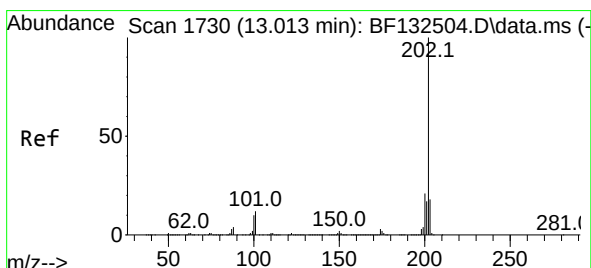
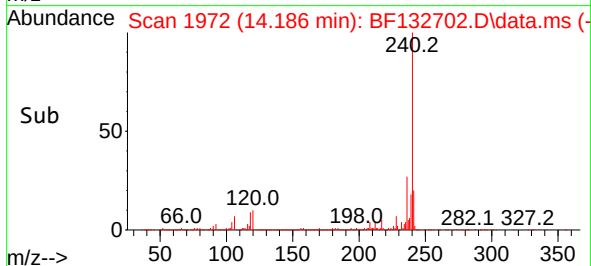
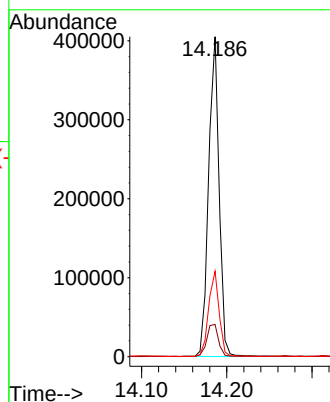
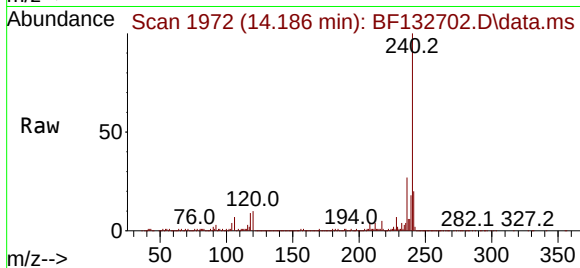
Tgt Ion:240 Resp: 346617

Ion Ratio Lower Upper

240 100

120 10.0 7.2 10.8

236 26.7 21.8 32.6



#78

Pyrene

Concen: 10.080 ng

RT: 12.980 min Scan# 1767

Delta R.T. -0.012 min

Lab File: BF132702.D

Acq: 08 Mar 2023 21:36

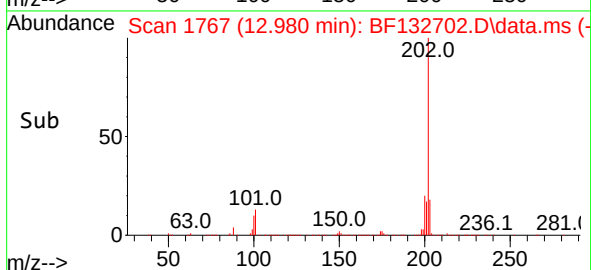
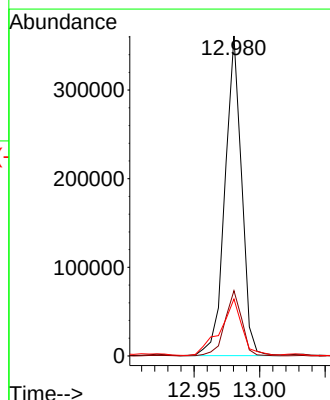
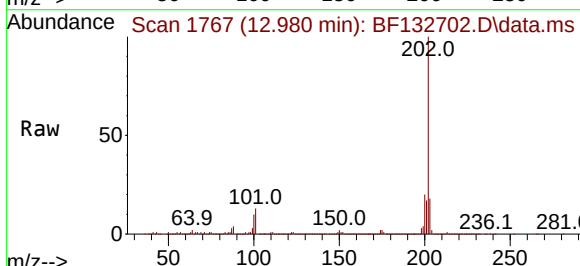
Tgt Ion:202 Resp: 317668

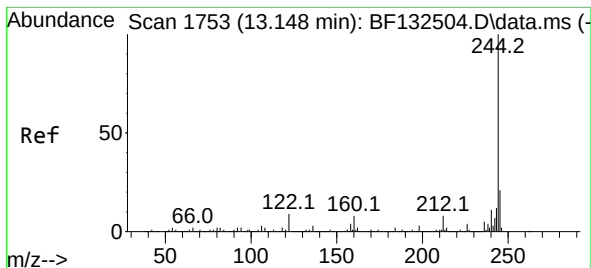
Ion Ratio Lower Upper

202 100

200 20.4 17.1 25.7

203 17.8 14.6 21.8





#79

Terphenyl-d14

Concen: 57.664 ng

RT: 13.116 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF132702.D

Acq: 08 Mar 2023 21:36

Instrument :

BNA_F

ClientSampleId :

TP-8

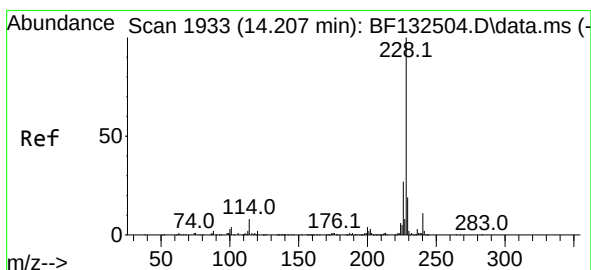
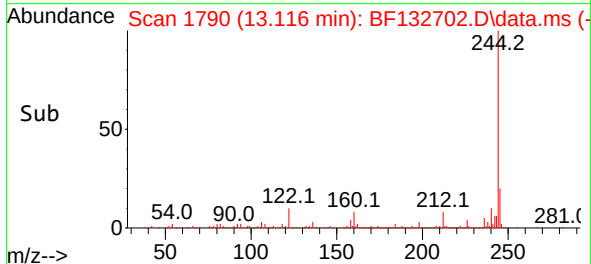
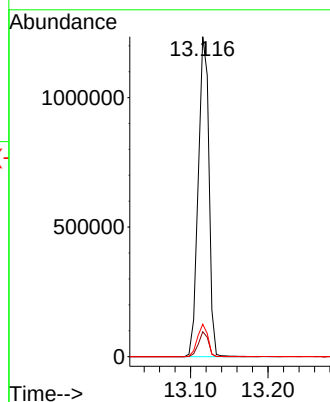
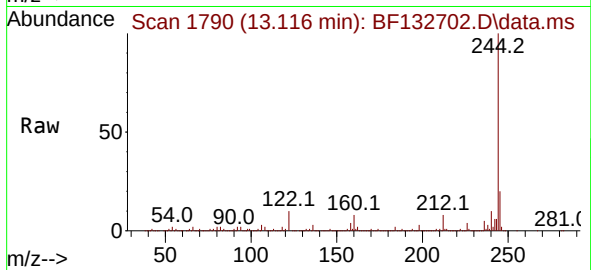
Tgt Ion:244 Resp: 1182160

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

122 10.1 7.5 11.3



#81

Benzo(a)anthracene

Concen: 7.285 ng

RT: 14.174 min Scan# 1970

Delta R.T. -0.012 min

Lab File: BF132702.D

Acq: 08 Mar 2023 21:36

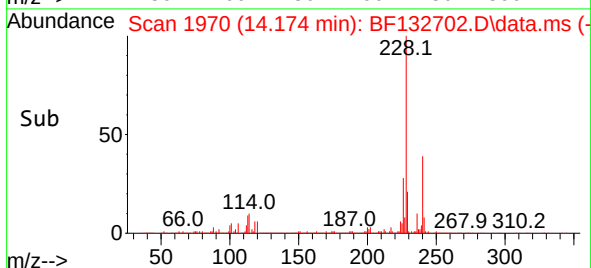
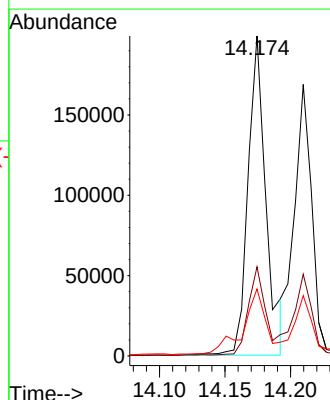
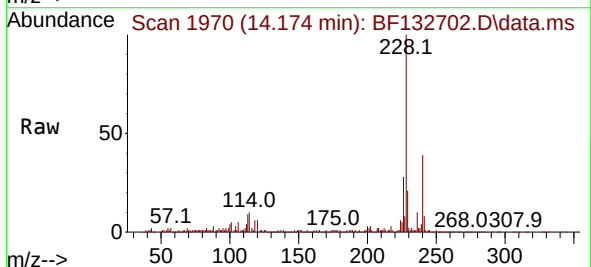
Tgt Ion:228 Resp: 188927

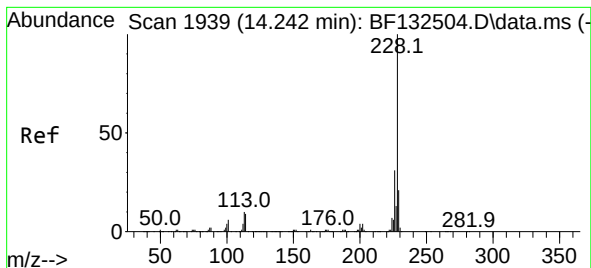
Ion Ratio Lower Upper

228 100

226 27.8 21.7 32.5

229 21.0 15.4 23.2





#83

Chrysene

Concen: 6.430 ng

RT: 14.210 min Scan# 1939

Delta R.T. -0.012 min

Lab File: BF132702.D

Acq: 08 Mar 2023 21:36

Instrument :

BNA_F

ClientSampleId :

TP-8

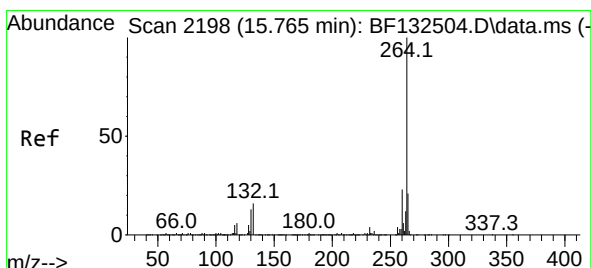
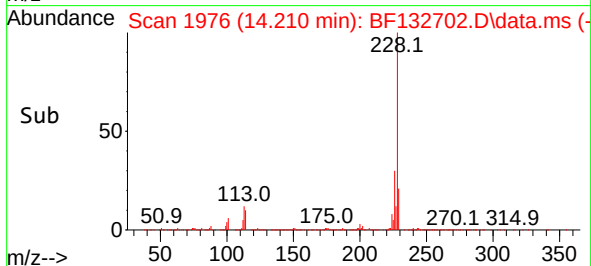
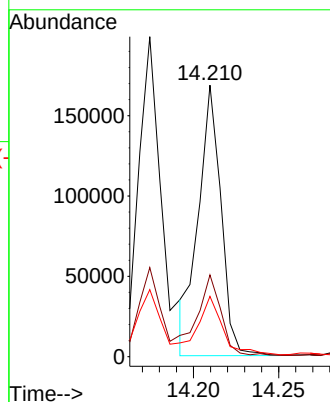
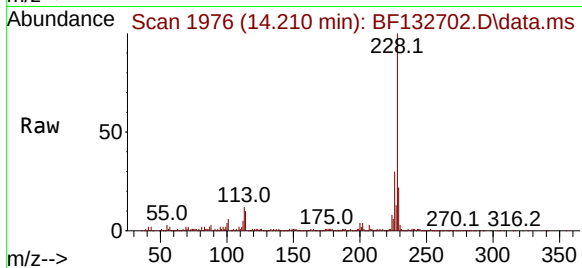
Tgt Ion:228 Resp: 155935

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

229 22.2 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: BF132702.D

Acq: 08 Mar 2023 21:36

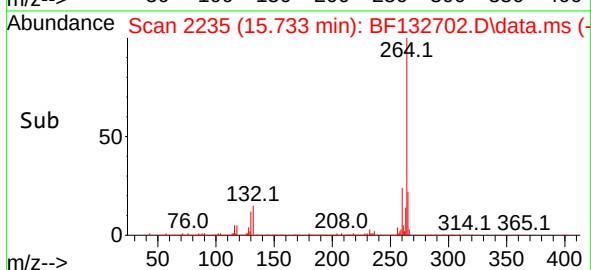
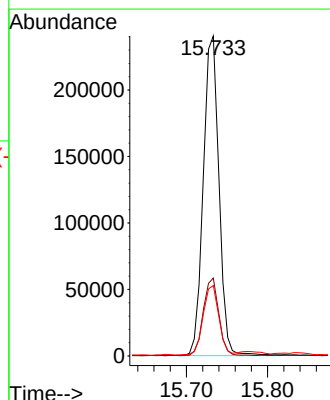
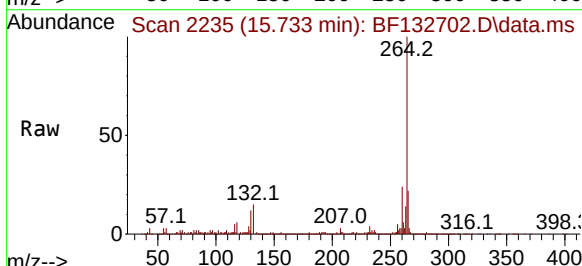
Tgt Ion:264 Resp: 322647

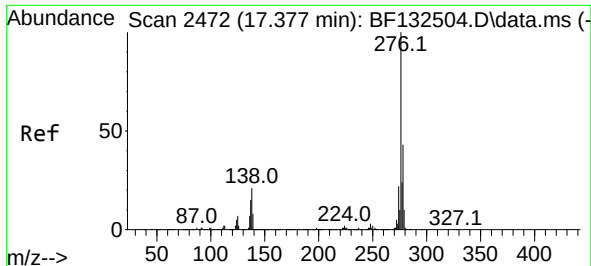
Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

265 22.0 17.1 25.7

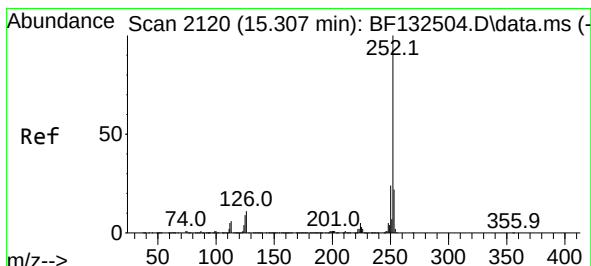
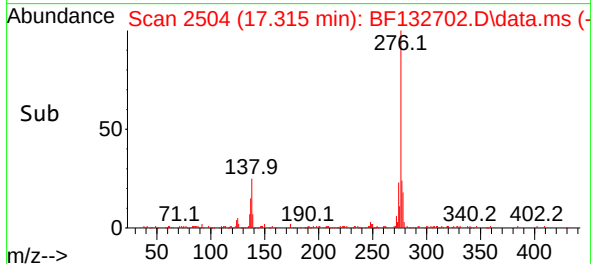
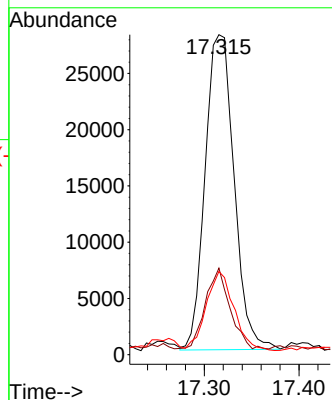
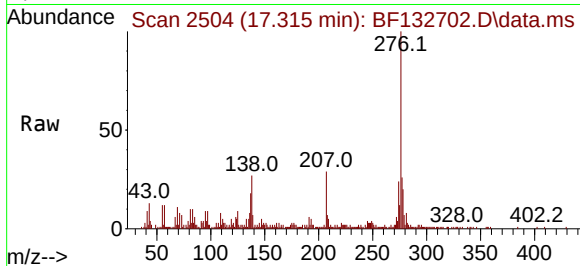




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.821 ng
RT: 17.315 min Scan# 2156
Delta R.T. -0.029 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

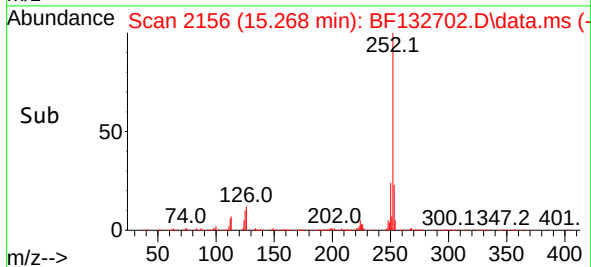
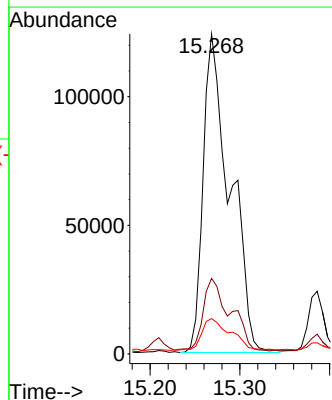
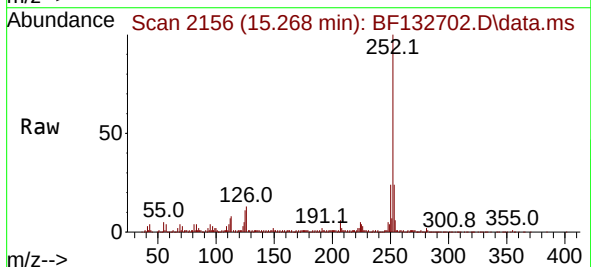
Instrument :
BNA_F
ClientSampleId :
TP-8

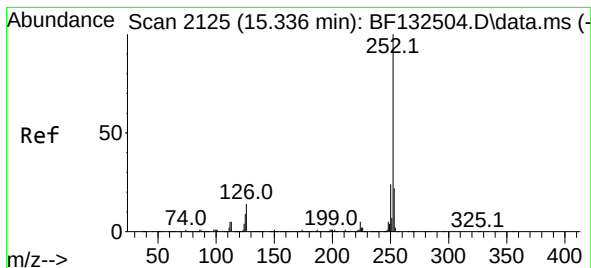
Tgt Ion:276 Resp: 59630
Ion Ratio Lower Upper
276 100
138 21.8 19.0 28.4
277 24.1 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 11.885 ng
RT: 15.268 min Scan# 2156
Delta R.T. -0.012 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Tgt Ion:252 Resp: 256975
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 11.0 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 12.144 ng

RT: 15.268 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF132702.D

Acq: 08 Mar 2023 21:36

Instrument :

BNA_F

ClientSampleId :

TP-8

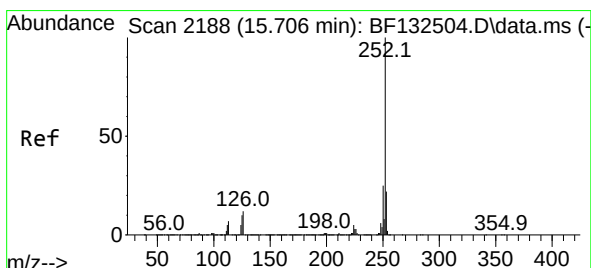
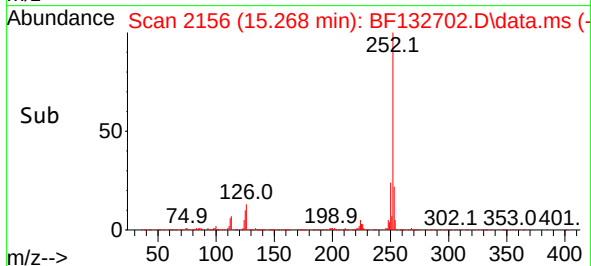
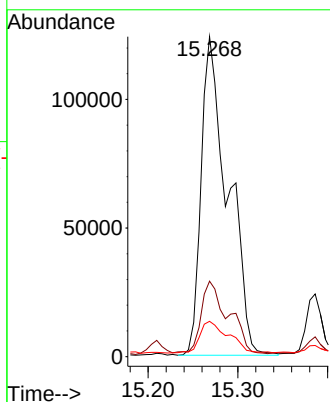
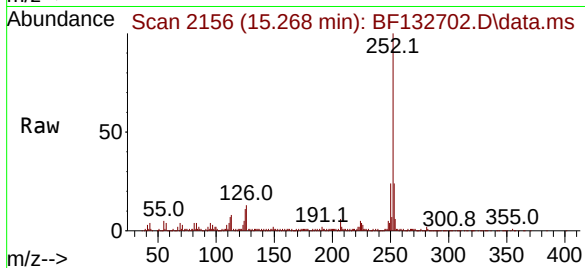
Tgt Ion:252 Resp: 256975

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 11.0 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 6.685 ng

RT: 15.663 min Scan# 2223

Delta R.T. -0.012 min

Lab File: BF132702.D

Acq: 08 Mar 2023 21:36

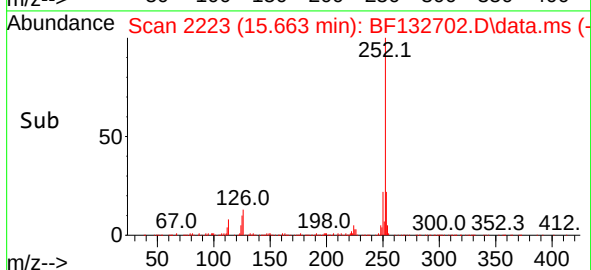
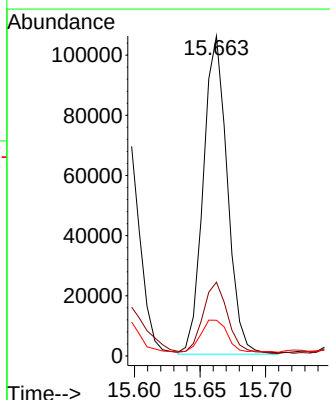
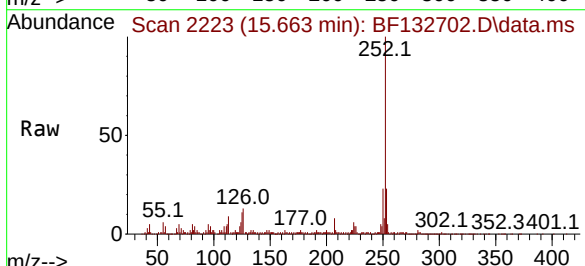
Tgt Ion:252 Resp: 135283

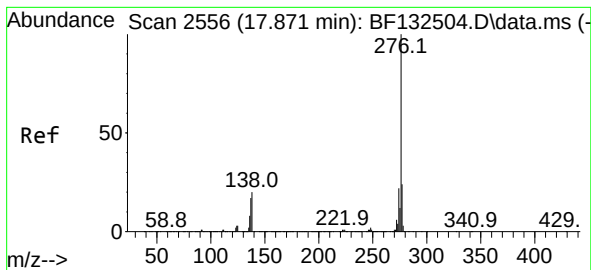
Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

125 11.1 8.0 12.0





#92

Benzo(g,h,i)perylene

Concen: 4.291 ng

RT: 17.798 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF132702.D

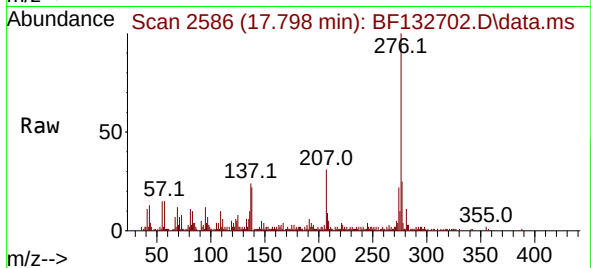
Acq: 08 Mar 2023 21:36

Instrument :

BNA_F

ClientSampleId :

TP-8



Tgt Ion:276 Resp: 53914

Ion Ratio Lower Upper

276 100

277 25.2 18.9 28.3

138 22.4 16.2 24.4

