

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
 Data File : BF132730.D
 Acq On : 09 Mar 2023 21:43
 Operator : CG\JU
 Sample : 01848-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 10 03:40:50 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)

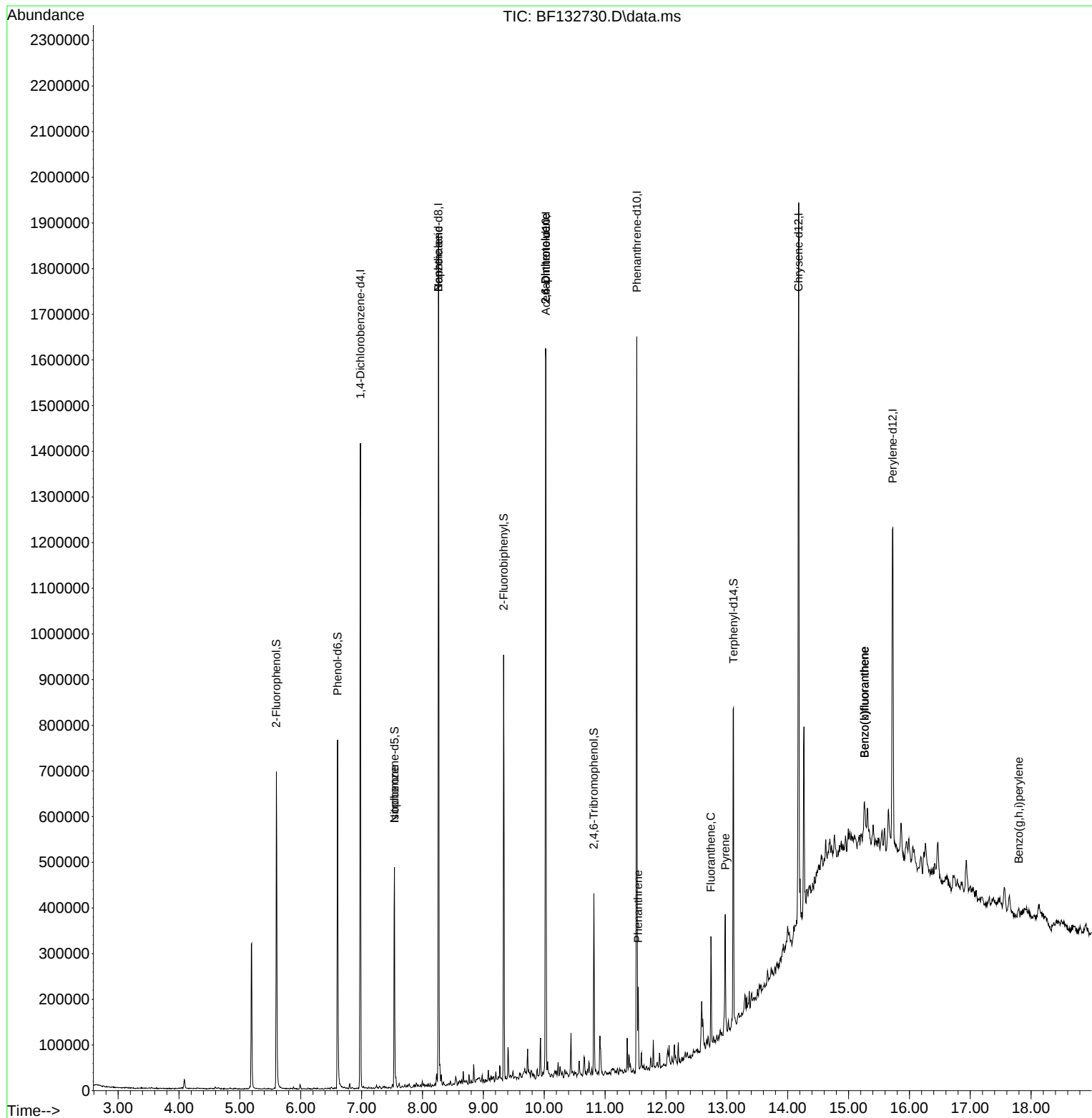
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.981	152	213549	20.000	ng	0.00
21) Naphthalene-d8	8.263	136	724753	20.000	ng	0.00
39) Acenaphthene-d10	10.027	164	335517	20.000	ng	0.00
64) Phenanthrene-d10	11.521	188	574322	20.000	ng	0.00
76) Chrysene-d12	14.180	240	503323	20.000	ng	0.00
86) Perylene-d12	15.727	264	351420	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	204280	15.525	ng	-0.01
7) Phenol-d6	6.604	99	259438	15.108	ng	-0.02
23) Nitrobenzene-d5	7.539	82	148578	9.726	ng	-0.02
42) 2,4,6-Tribromophenol	10.816	330	44639	12.320	ng	-0.01
45) 2-Fluorobiphenyl	9.333	172	259647	11.783	ng	-0.01
79) Terphenyl-d14	13.110	244	262136	8.806	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.539	82	149391	5.101	ng	# 67
32) Benzoic acid	8.263	122	221	3.859	ng	# 1
51) 2,6-Dinitrotoluene	10.022	165	45673	8.209	ng	# 22
57) 2,4-Dinitrotoluene	10.022	165	45673	6.171	ng	# 21
71) Phenanthrene	11.545	178	61206	2.057	ng	99
75) Fluoranthene	12.739	202	93320	2.869	ng	99
78) Pyrene	12.974	202	100217	2.190	ng	96
88) Benzo(b)fluoranthene	15.262	252	58331	2.477	ng	# 69
89) Benzo(k)fluoranthene	15.262	252	58331	2.531	ng	# 69
92) Benzo(g,h,i)perylene	17.798	276	17995	2.434	ng	# 84

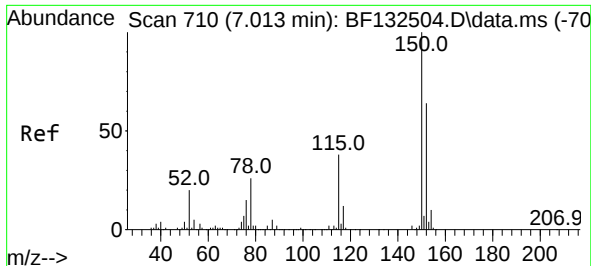
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
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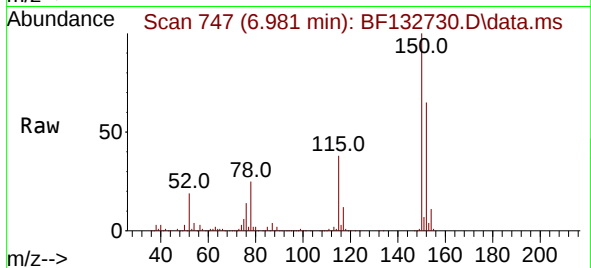
Quant Time: Mar 10 03:40:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
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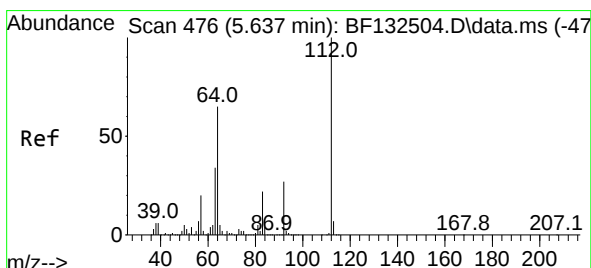
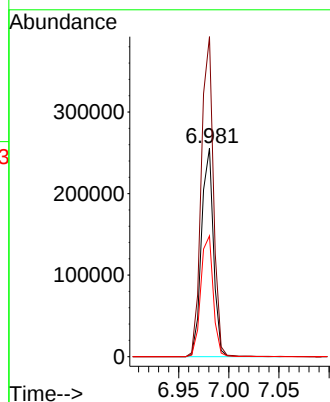
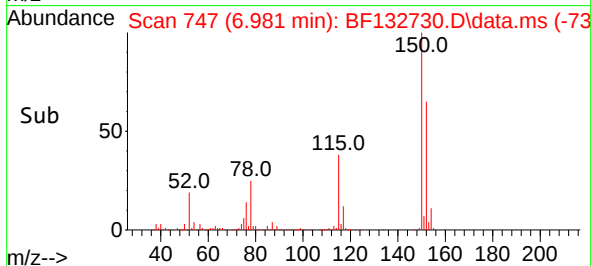


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.981 min Scan# 710
Delta R.T. -0.000 min
Lab File: BF132730.D
Acq: 09 Mar 2023 21:43

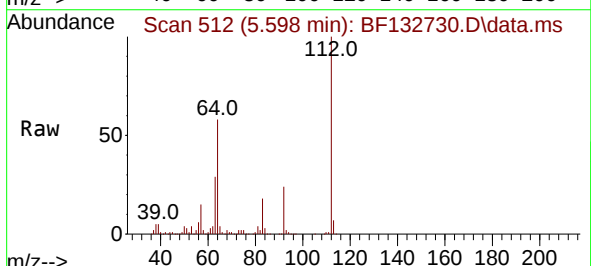
Instrument :
BNA_F
ClientSampleId :



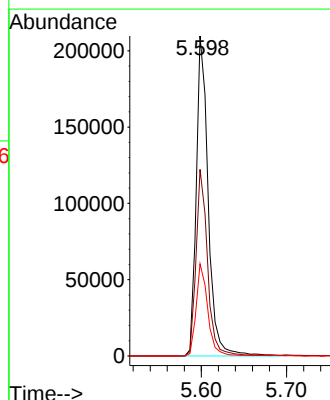
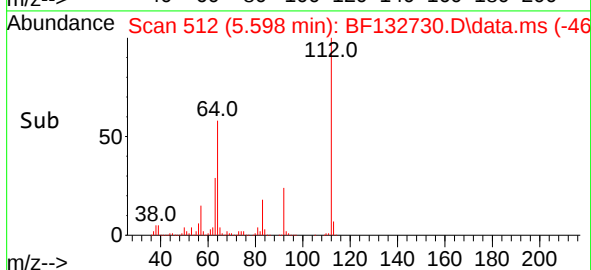
Tgt Ion:152 Resp: 213549
Ion Ratio Lower Upper
152 100
150 153.3 125.4 188.2
115 57.9 47.8 71.6

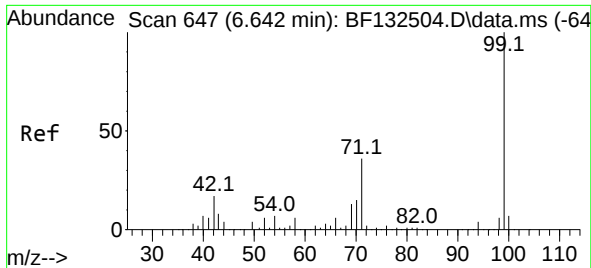


#5
2-Fluorophenol
Concen: 15.525 ng
RT: 5.598 min Scan# 512
Delta R.T. -0.012 min
Lab File: BF132730.D
Acq: 09 Mar 2023 21:43



Tgt Ion:112 Resp: 204280
Ion Ratio Lower Upper
112 100
64 58.3 51.6 77.4
63 28.8 27.4 41.2

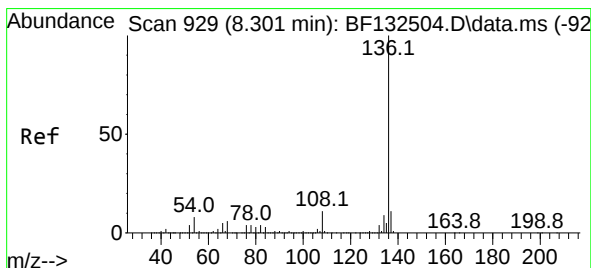
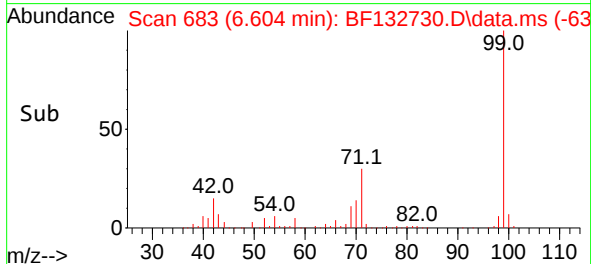
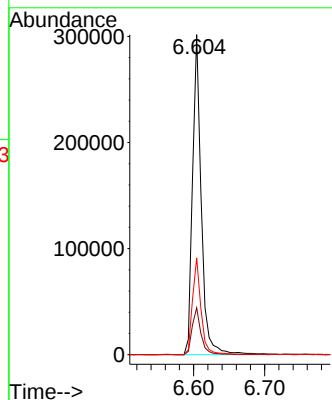
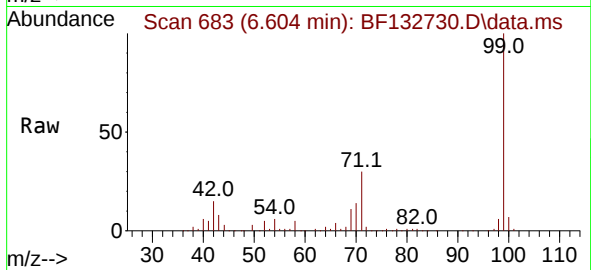




#7
Phenol-d6
Concen: 15.108 ng
RT: 6.604 min Scan# 61
Delta R.T. -0.018 min
Lab File: BF132730.D
Acq: 09 Mar 2023 21:43

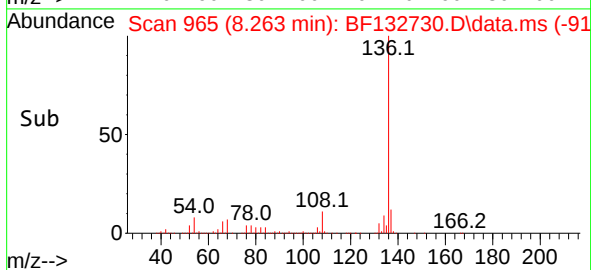
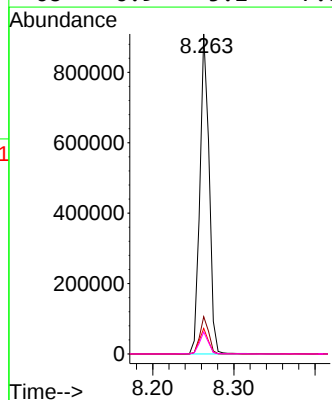
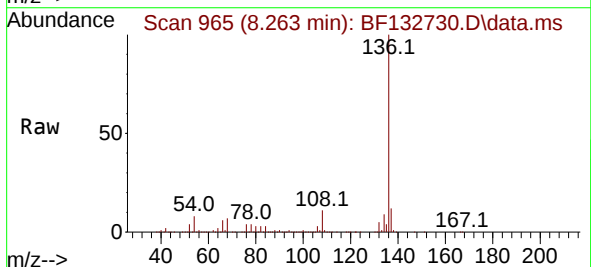
Instrument :
BNA_F
ClientSampleId :

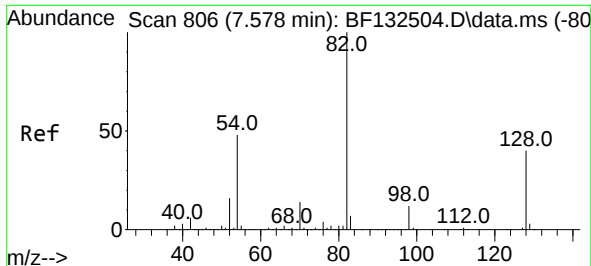
Tgt Ion: 99 Resp: 259438
Ion Ratio Lower Upper
99 100
42 14.7 13.9 20.9
71 30.2 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.263 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF132730.D
Acq: 09 Mar 2023 21:43

Tgt Ion: 136 Resp: 724753
Ion Ratio Lower Upper
136 100
137 11.6 8.9 13.3
54 8.0 6.2 9.4
68 6.9 5.2 7.8

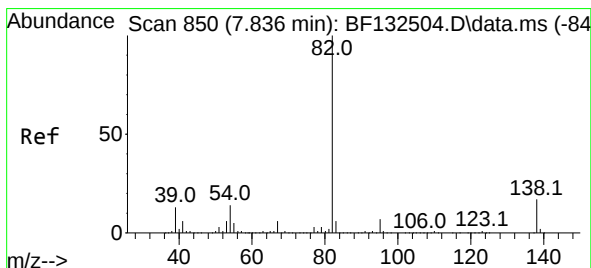
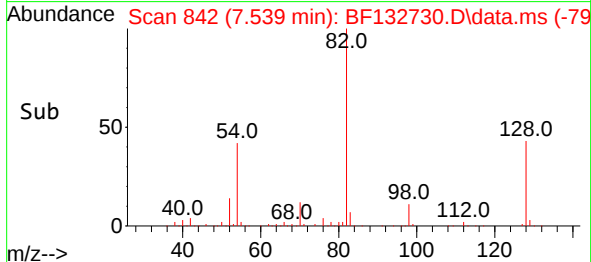
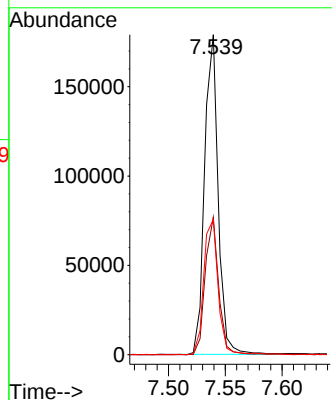
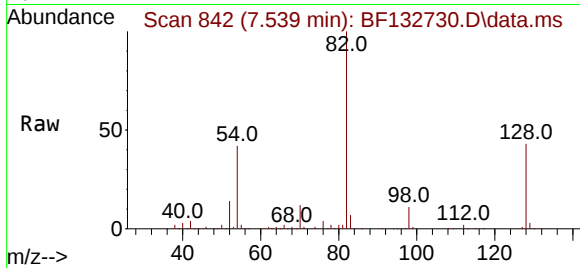




#23
Nitrobenzene-d5
Concen: 9.726 ng
RT: 7.539 min Scan# 842
Delta R.T. -0.018 min
Lab File: BF132730.D
Acq: 09 Mar 2023 21:43

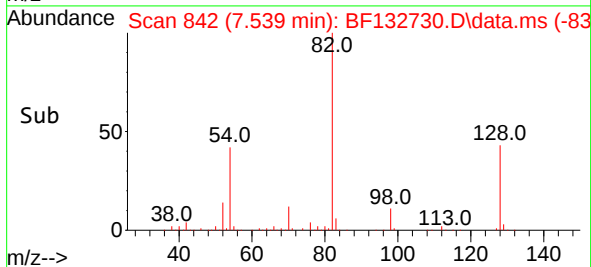
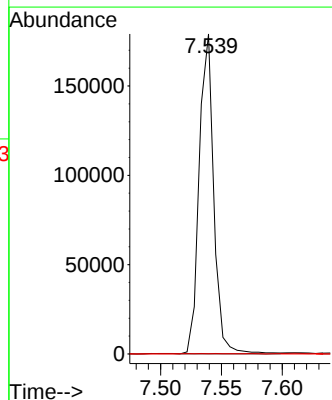
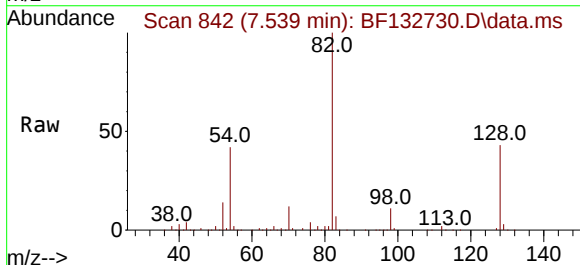
Instrument :
BNA_F
ClientSampleId :

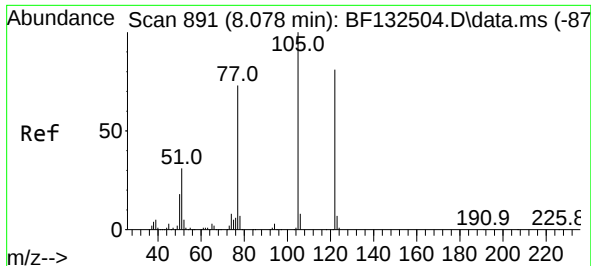
Tgt Ion: 82 Resp: 148578
Ion Ratio Lower Upper
82 100
128 42.9 32.2 48.2
54 42.3 38.4 57.6



#25
Isophorone
Concen: 5.101 ng
RT: 7.539 min Scan# 842
Delta R.T. -0.271 min
Lab File: BF132730.D
Acq: 09 Mar 2023 21:43

Tgt Ion: 82 Resp: 149391
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.3 19.9#

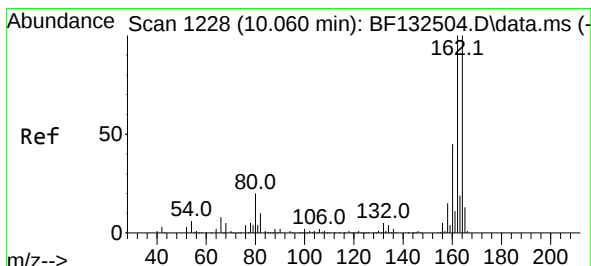
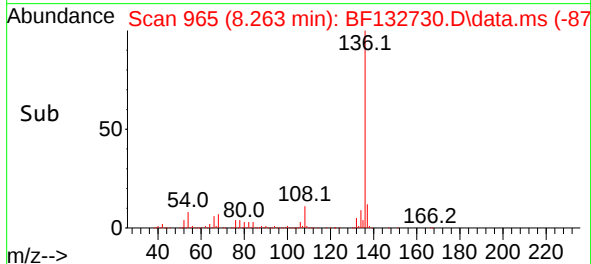
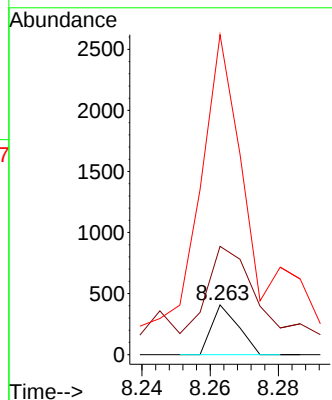
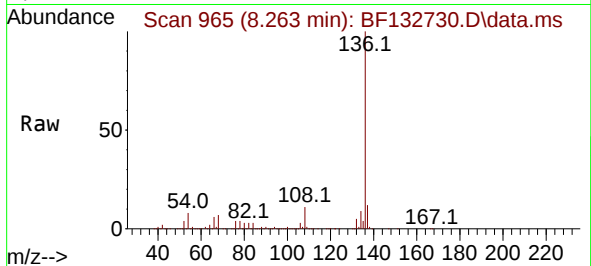




#32
Benzoic acid
Concen: 3.859 ng
RT: 8.263 min Scan# 90
Delta R.T. 0.212 min
Lab File: BF132730.D
Acq: 09 Mar 2023 21:43

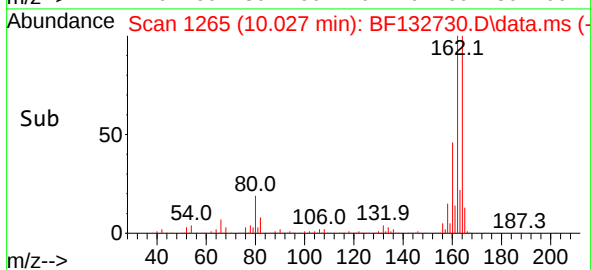
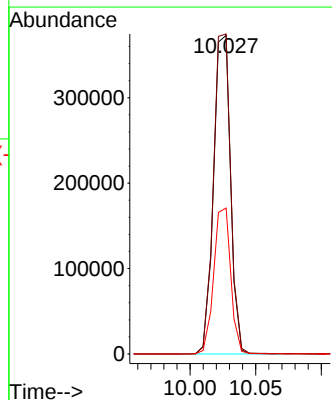
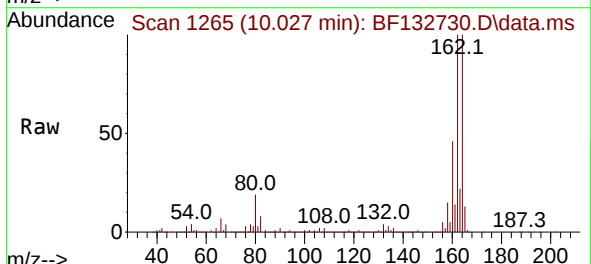
Instrument :
BNA_F
ClientSampleId :

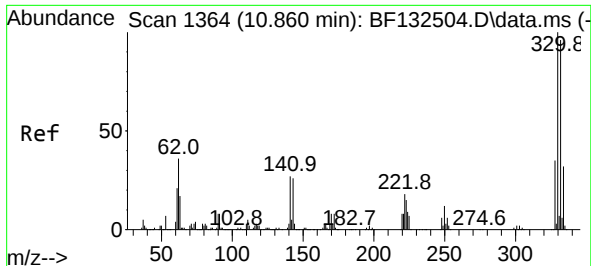
Tgt Ion:122 Resp: 221
Ion Ratio Lower Upper
122 100
105 217.7 102.6 142.6#
77 643.7 70.2 110.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.027 min Scan# 1265
Delta R.T. -0.006 min
Lab File: BF132730.D
Acq: 09 Mar 2023 21:43

Tgt Ion:164 Resp: 335517
Ion Ratio Lower Upper
164 100
162 100.4 79.8 119.8
160 45.8 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 12.320 ng

RT: 10.816 min Scan# 1147

Delta R.T. -0.012 min

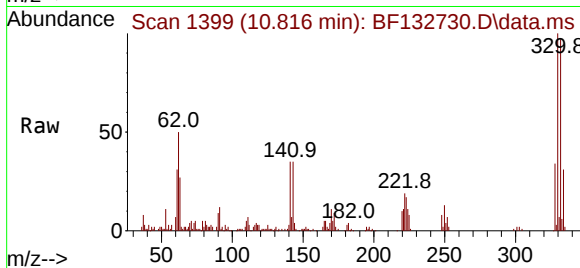
Lab File: BF132730.D

Acq: 09 Mar 2023 21:43

Instrument :

BNA_F

ClientSampleId :



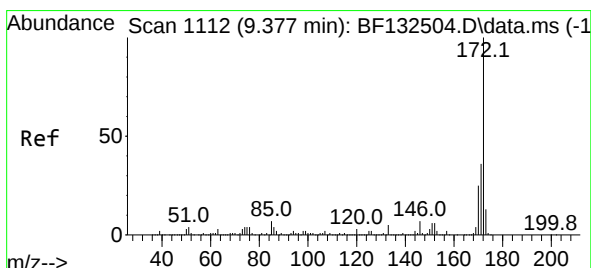
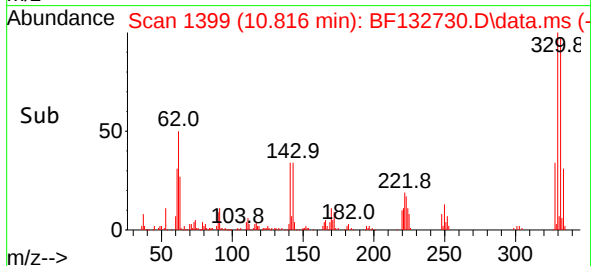
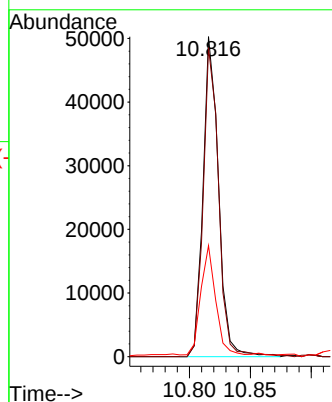
Tgt Ion:330 Resp: 44639

Ion Ratio Lower Upper

330 100

332 96.5 76.2 114.4

141 34.4 28.4 42.6



#45

2-Fluorobiphenyl

Concen: 11.783 ng

RT: 9.333 min Scan# 1147

Delta R.T. -0.012 min

Lab File: BF132730.D

Acq: 09 Mar 2023 21:43

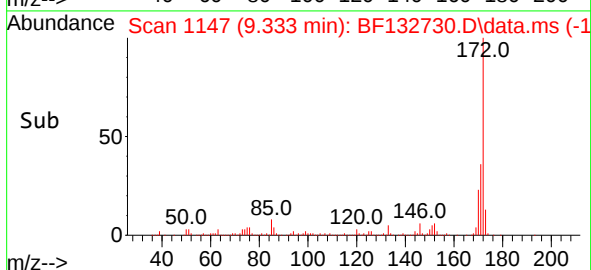
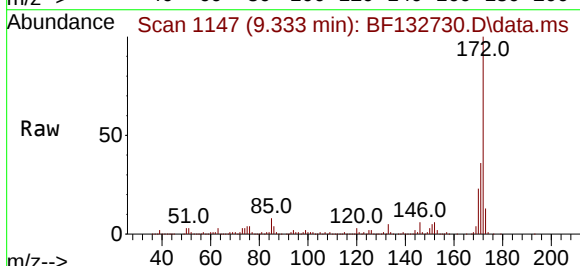
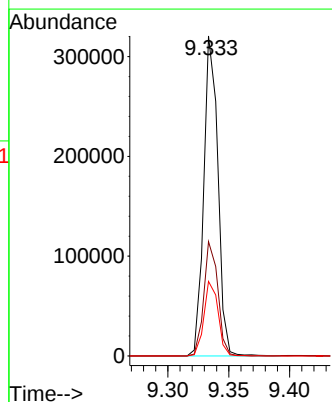
Tgt Ion:172 Resp: 259647

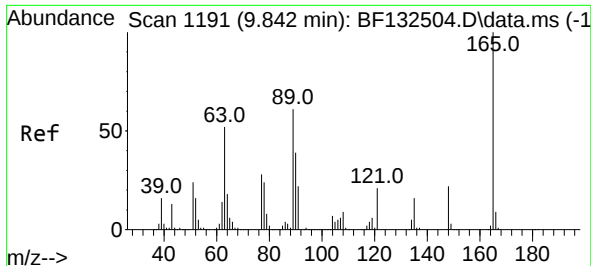
Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.3 19.7 29.5





#51

2,6-Dinitrotoluene

Concen: 8.209 ng

RT: 10.022 min Scan# 1191

Delta R.T. 0.206 min

Lab File: BF132730.D

Acq: 09 Mar 2023 21:43

Instrument :

BNA_F

ClientSampleId :

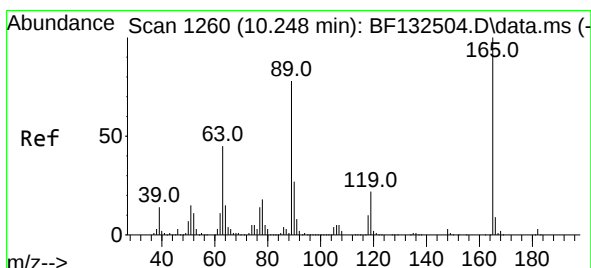
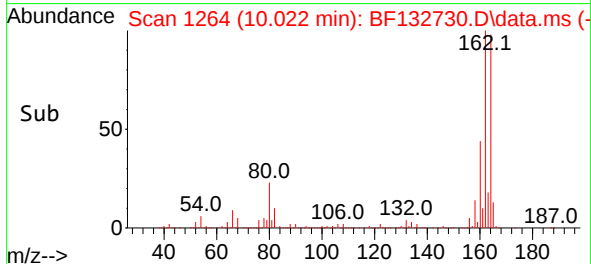
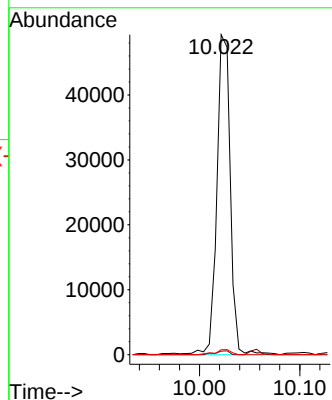
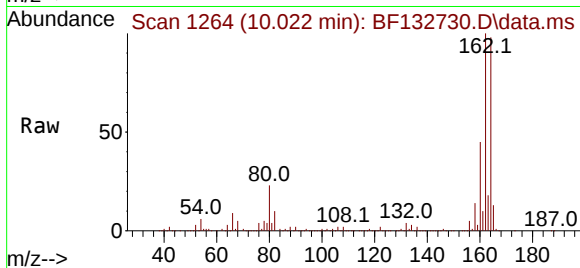
Tgt Ion:165 Resp: 45673

Ion Ratio Lower Upper

165 100

63 1.1 47.3 70.9#

89 1.6 48.9 73.3#



#57

2,4-Dinitrotoluene

Concen: 6.171 ng

RT: 10.022 min Scan# 1264

Delta R.T. -0.200 min

Lab File: BF132730.D

Acq: 09 Mar 2023 21:43

Tgt Ion:165 Resp: 45673

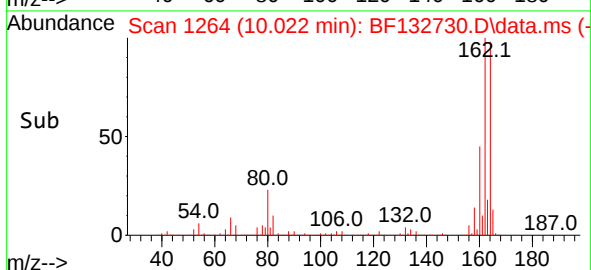
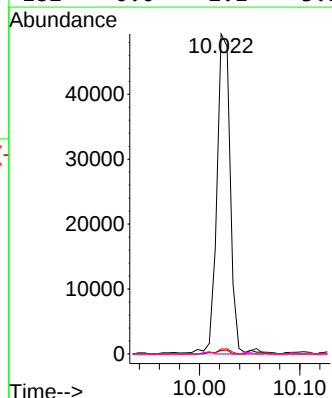
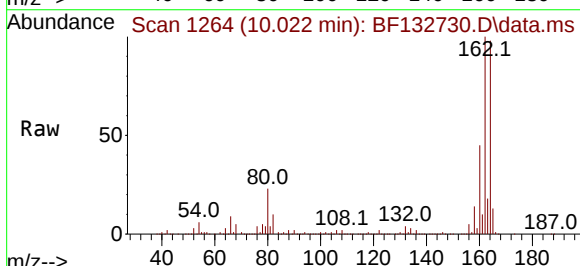
Ion Ratio Lower Upper

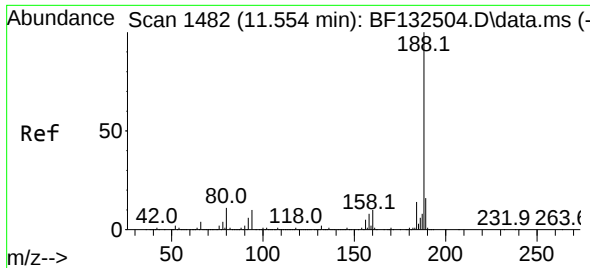
165 100

63 1.1 36.5 54.7#

89 1.6 62.4 93.6#

182 0.0 2.1 3.1#

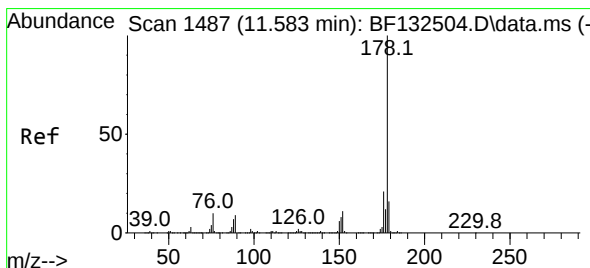
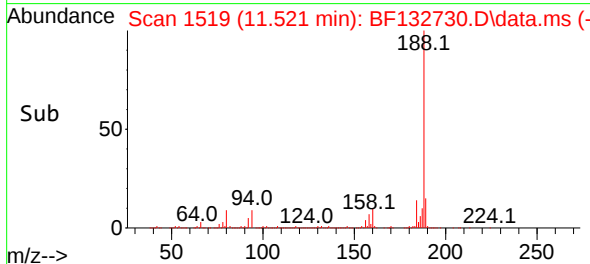
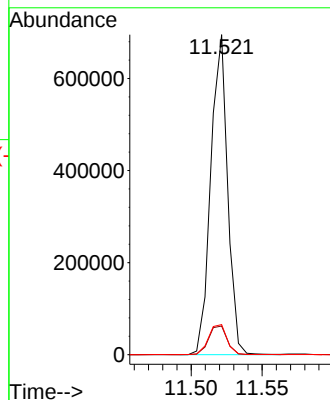
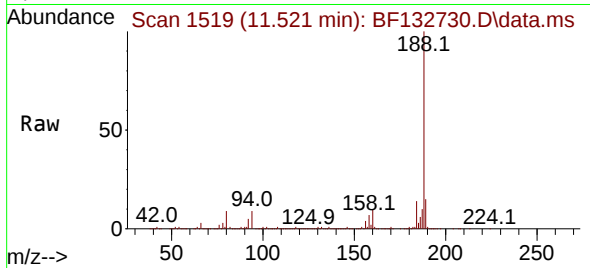




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.521 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132730.D
Acq: 09 Mar 2023 21:43

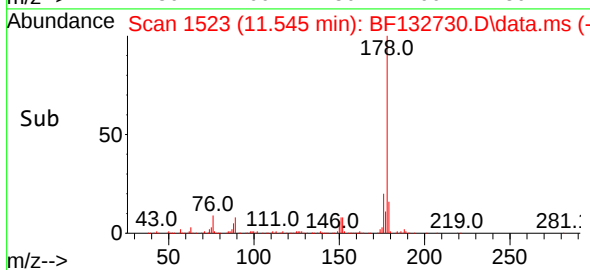
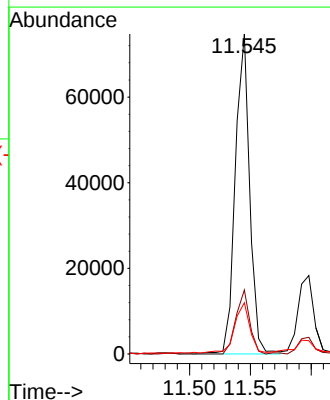
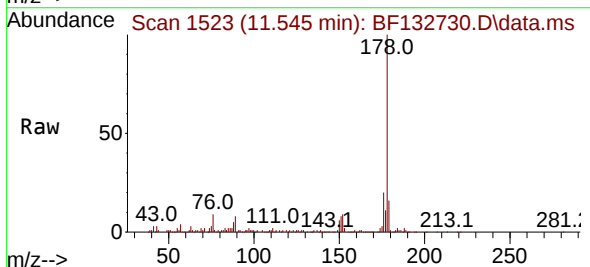
Instrument :
BNA_F
ClientSampleId :

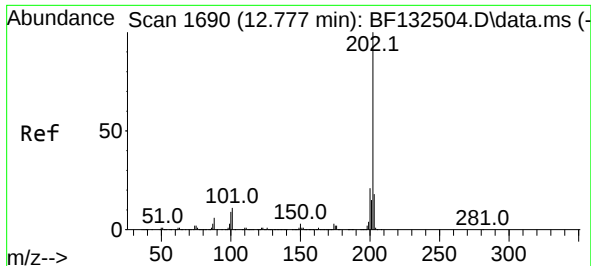
Tgt Ion:188 Resp: 574322
Ion Ratio Lower Upper
188 100
94 9.0 8.3 12.5
80 9.4 8.7 13.1



#71
Phenanthrene
Concen: 2.057 ng
RT: 11.545 min Scan# 1523
Delta R.T. -0.012 min
Lab File: BF132730.D
Acq: 09 Mar 2023 21:43

Tgt Ion:178 Resp: 61206
Ion Ratio Lower Upper
178 100
176 20.0 16.5 24.7
179 16.0 13.0 19.6

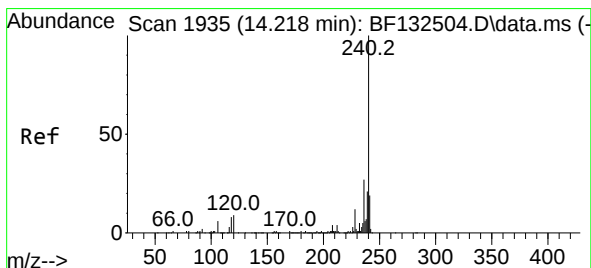
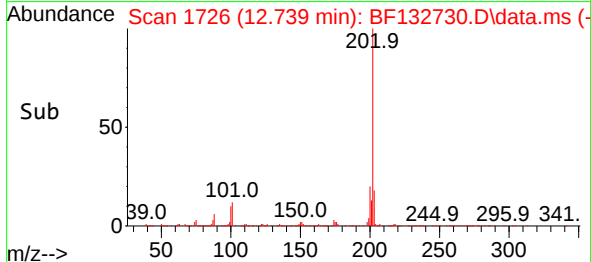
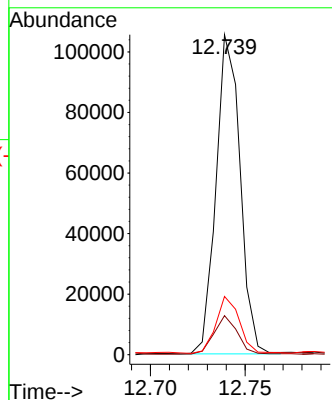
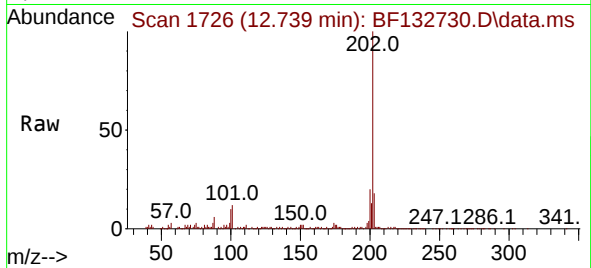




#75
Fluoranthene
Concen: 2.869 ng
RT: 12.739 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132730.D
Acq: 09 Mar 2023 21:43

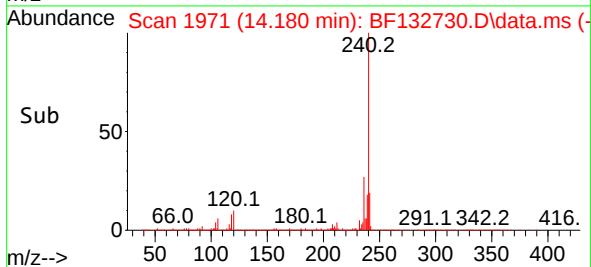
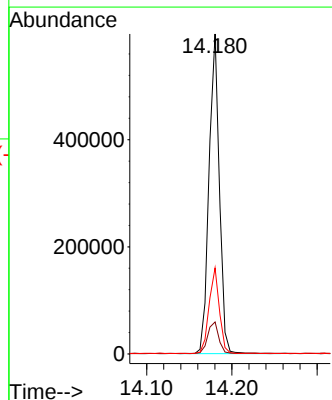
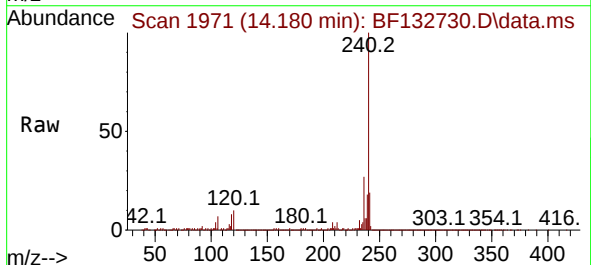
Instrument :
BNA_F
ClientSampleId :

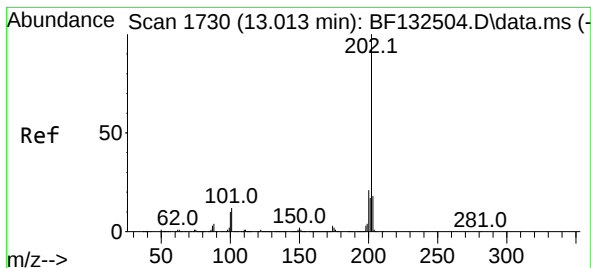
Tgt Ion:202 Resp: 93320
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.4
203 18.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.180 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BF132730.D
Acq: 09 Mar 2023 21:43

Tgt Ion:240 Resp: 503323
Ion Ratio Lower Upper
240 100
120 10.0 7.2 10.8
236 26.9 21.8 32.6





#78

Pyrene

Concen: 2.190 ng

RT: 12.974 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132730.D

Acq: 09 Mar 2023 21:43

Instrument :

BNA_F

ClientSampleId :

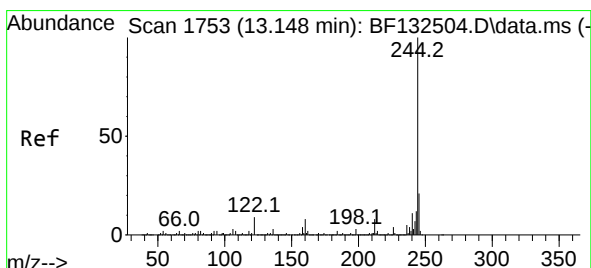
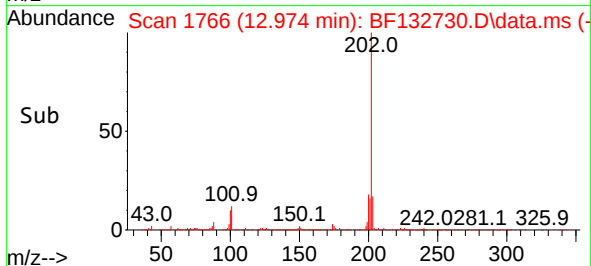
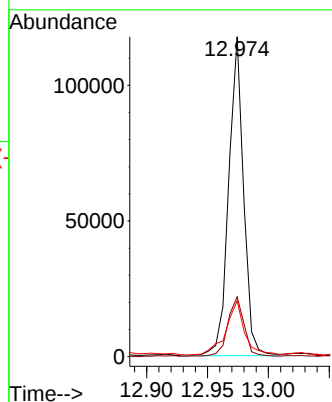
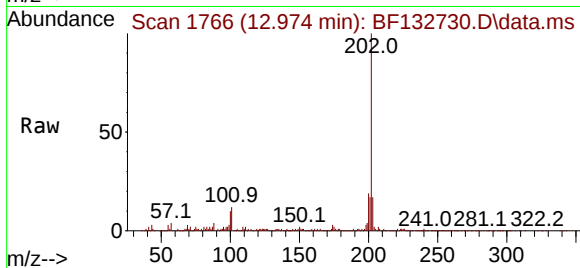
Tgt Ion:202 Resp: 100217

Ion Ratio Lower Upper

202 100

200 18.7 17.1 25.7

203 17.4 14.6 21.8



#79

Terphenyl-d14

Concen: 8.806 ng

RT: 13.110 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF132730.D

Acq: 09 Mar 2023 21:43

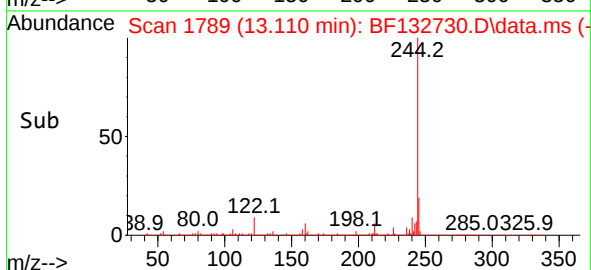
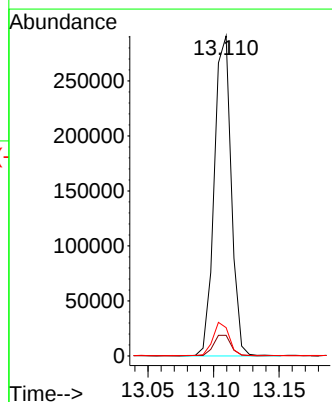
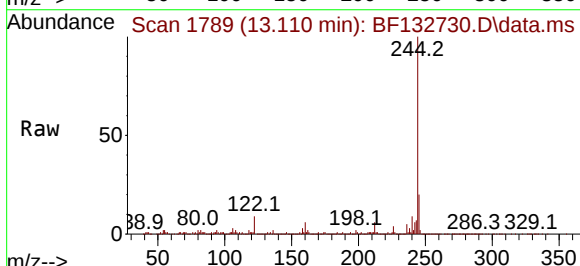
Tgt Ion:244 Resp: 262136

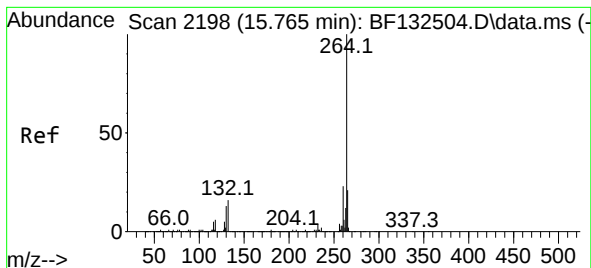
Ion Ratio Lower Upper

244 100

212 6.5 6.5 9.7#

122 8.9 7.5 11.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.727 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF132730.D

Acq: 09 Mar 2023 21:43

Instrument :

BNA_F

ClientSampleId :

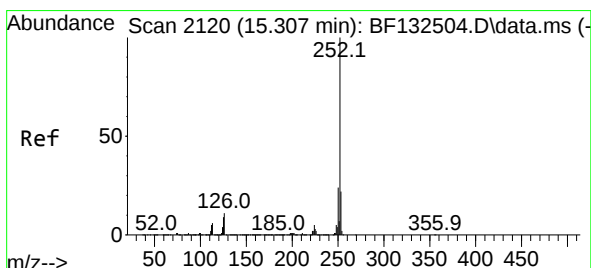
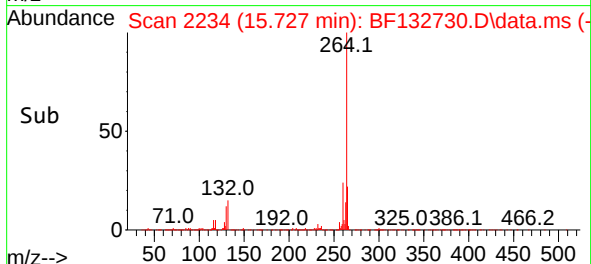
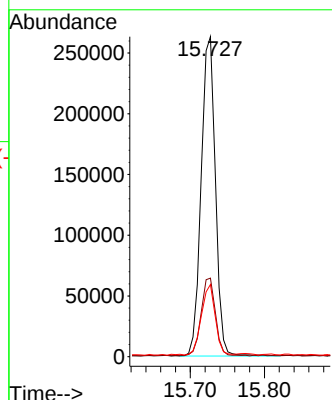
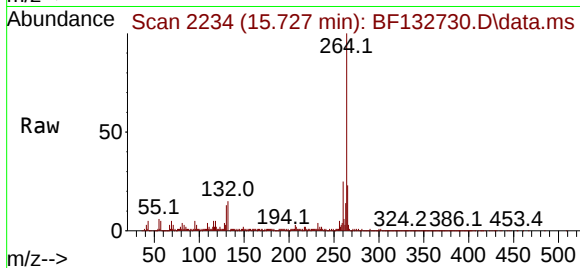
Tgt Ion:264 Resp: 351420

Ion Ratio Lower Upper

264 100

260 24.6 18.8 28.2

265 22.5 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 2.477 ng

RT: 15.262 min Scan# 2155

Delta R.T. -0.006 min

Lab File: BF132730.D

Acq: 09 Mar 2023 21:43

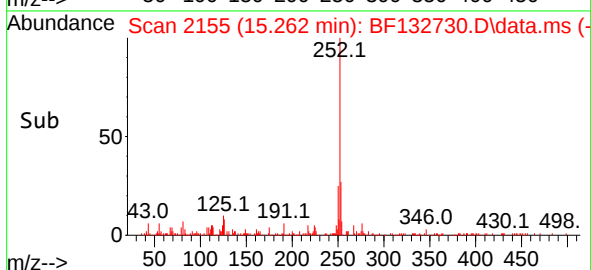
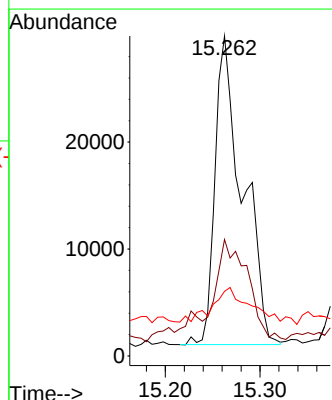
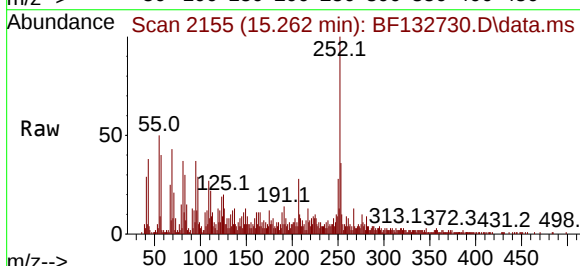
Tgt Ion:252 Resp: 58331

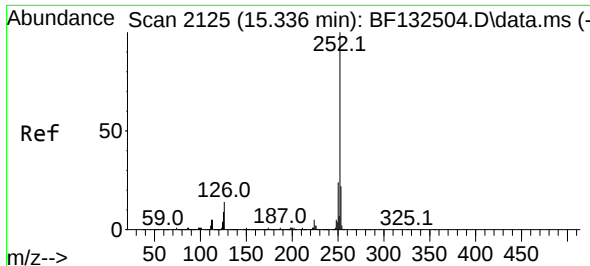
Ion Ratio Lower Upper

252 100

253 36.4 17.4 26.0#

125 20.2 7.0 10.6#

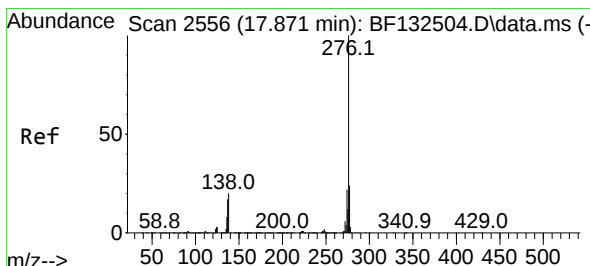
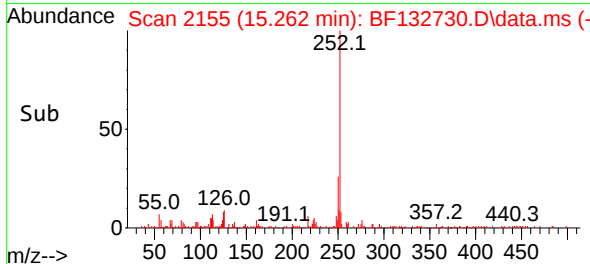
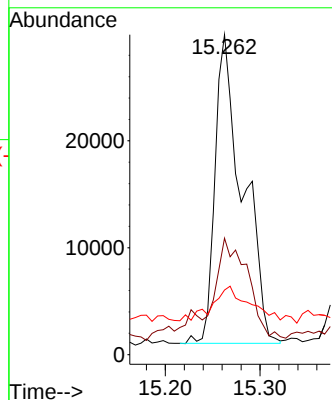
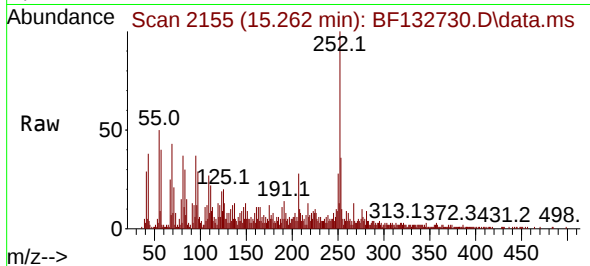




#89
Benzo(k)fluoranthene
Concen: 2.531 ng
RT: 15.262 min Scan# 2125
Delta R.T. -0.041 min
Lab File: BF132730.D
Acq: 09 Mar 2023 21:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 58331
Ion Ratio Lower Upper
252 100
253 36.4 17.5 26.3#
125 20.2 7.2 10.8#



#92
Benzo(g,h,i)perylene
Concen: 2.434 ng
RT: 17.798 min Scan# 2586
Delta R.T. -0.018 min
Lab File: BF132730.D
Acq: 09 Mar 2023 21:43

Tgt Ion:276 Resp: 17995
Ion Ratio Lower Upper
276 100
277 30.7 18.9 28.3#
138 28.3 16.2 24.4#

