

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101123\
 Data File : BF135720.D
 Acq On : 11 Oct 2023 18:45
 Operator : CG\JU
 Sample : 04791-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Oct 12 00:50:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

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

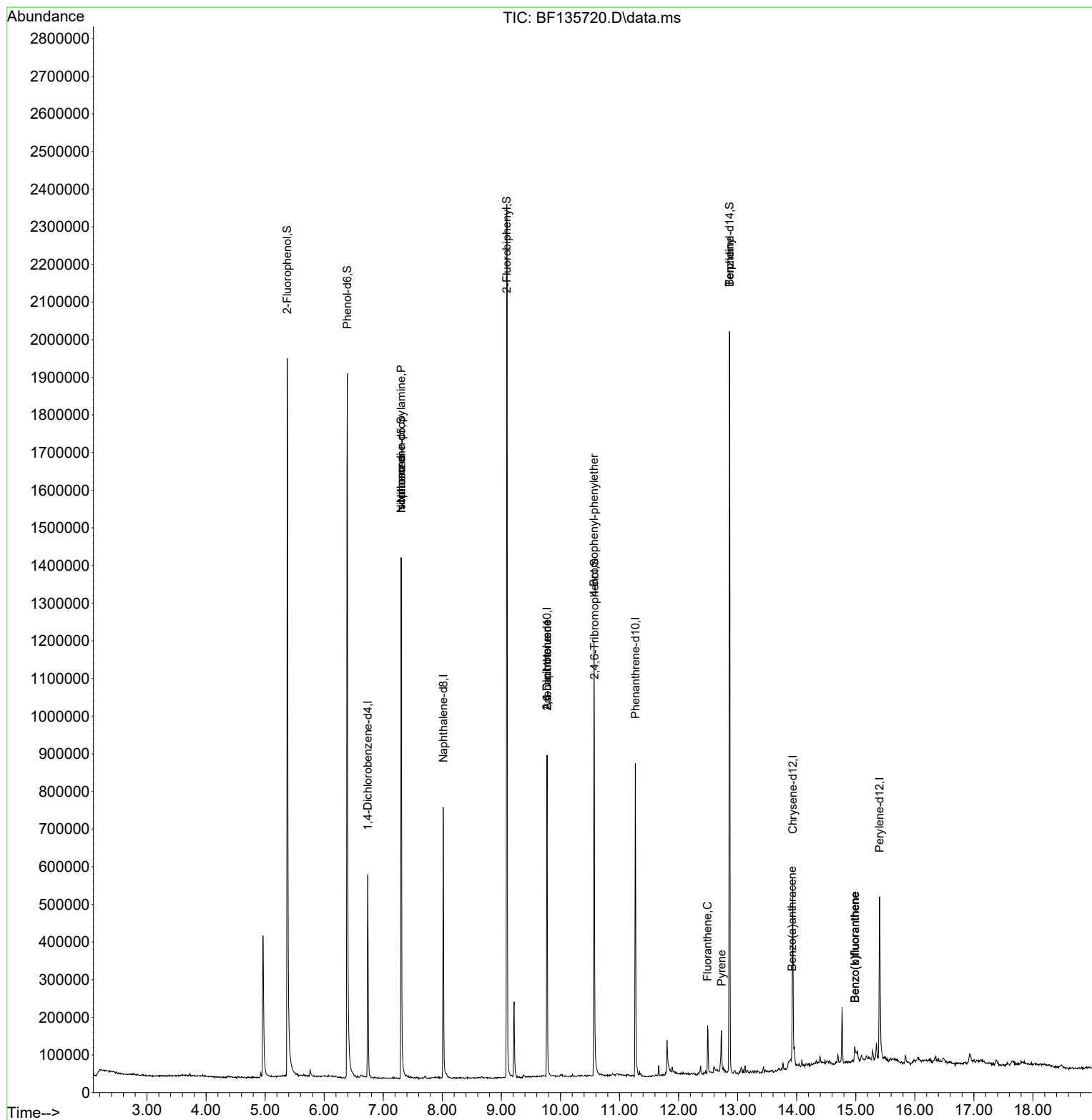
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	82198	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	312611	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	174667	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	307304	20.000	ng	0.00
76) Chrysene-d12	13.933	240	160642	20.000	ng	0.00
86) Perylene-d12	15.404	264	210536	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	591993	117.137	ng	0.00
7) Phenol-d6	6.392	99	676138	105.215	ng	0.00
23) Nitrobenzene-d5	7.304	82	417167	72.500	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	146304	84.288	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	781665	67.518	ng	0.00
79) Terphenyl-d14	12.863	244	698305	67.386	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	54582	13.713	ng	# 77
25) Isophorone	7.304	82	417167	39.483	ng	# 65
51) 2,6-Dinitrotoluene	9.775	165	21665	8.374	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	21665	6.689	ng	# 19
67) 4-Bromophenyl-phenylether	10.569	248	9070	2.968	ng	# 1
75) Fluoranthene	12.492	202	56516	3.732	ng	97
77) Benzidine	12.863	184	8842	2.687	ng	# 96
78) Pyrene	12.727	202	46548	3.043	ng	98
81) Benzo(a)anthracene	13.921	228	21151	2.039	ng	97
88) Benzo(b)fluoranthene	14.986	252	30528	2.679	ng	# 95
89) Benzo(k)fluoranthene	14.986	252	30528	2.712	ng	# 96

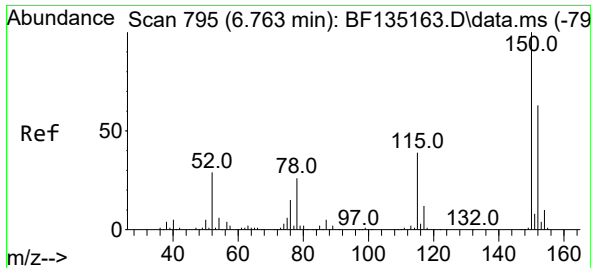
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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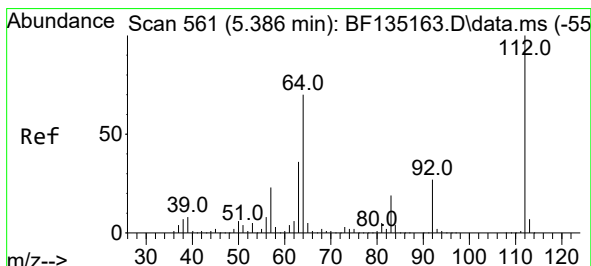
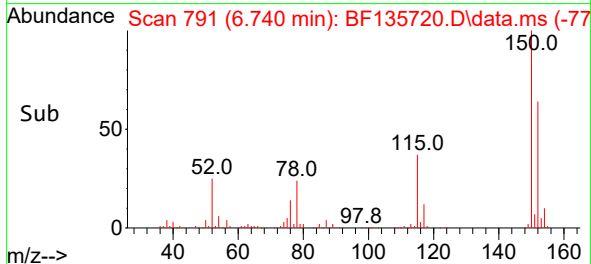
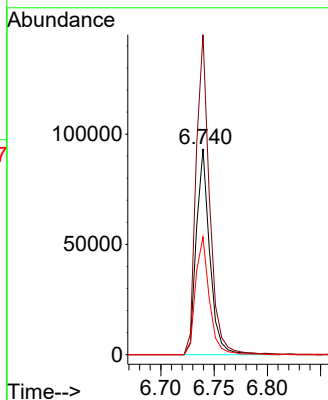
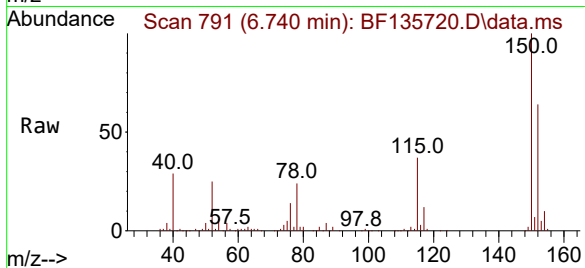




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

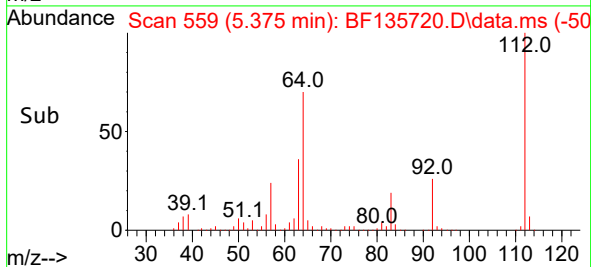
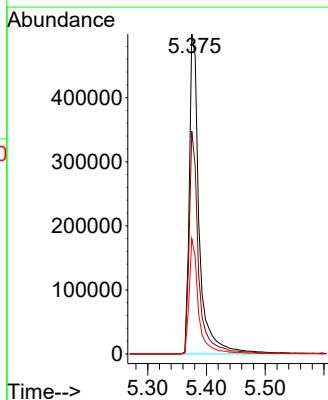
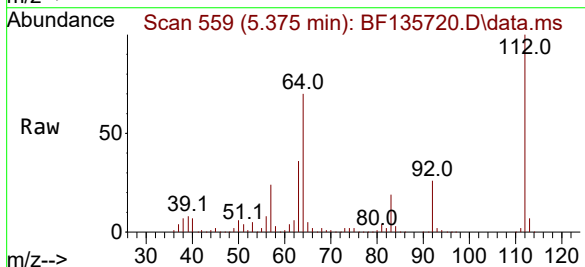
Instrument :
BNA_F
ClientSampleId :
TP-3

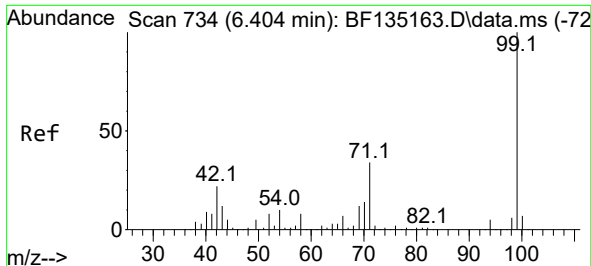
Tgt Ion:152 Resp: 82198
Ion Ratio Lower Upper
152 100
150 155.5 127.8 191.6
115 57.2 49.8 74.8



#5
2-Fluorophenol
Concen: 117.137 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

Tgt Ion:112 Resp: 591993
Ion Ratio Lower Upper
112 100
64 69.6 55.9 83.9
63 36.1 29.0 43.6

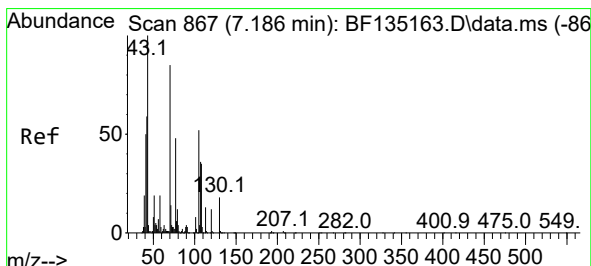
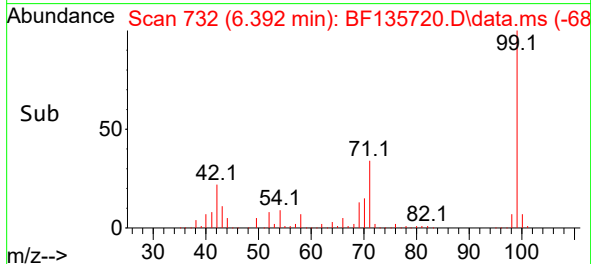
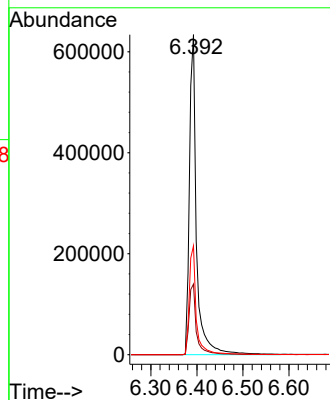
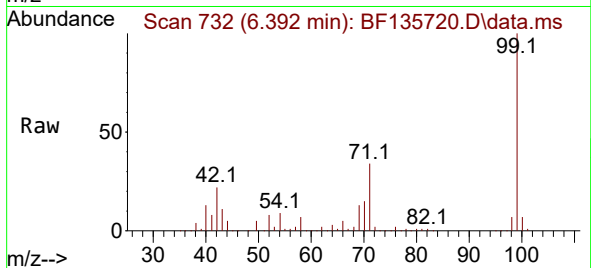




#7
Phenol-d6
Concen: 105.215 ng
RT: 6.392 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

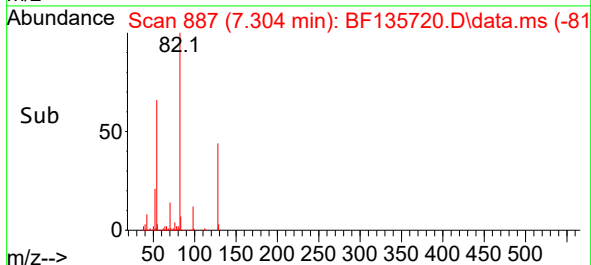
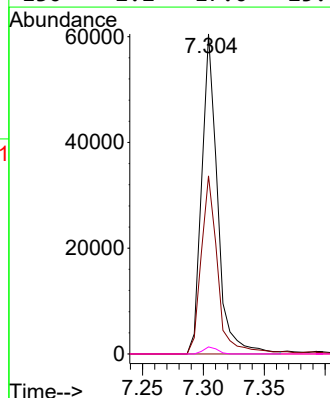
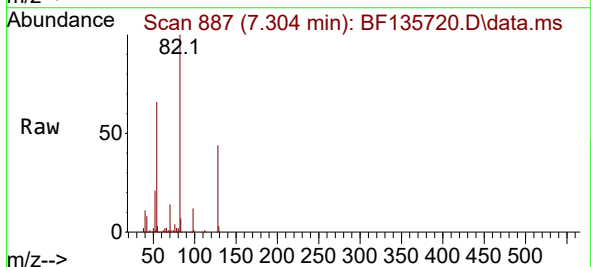
Instrument :
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ClientSampleId :
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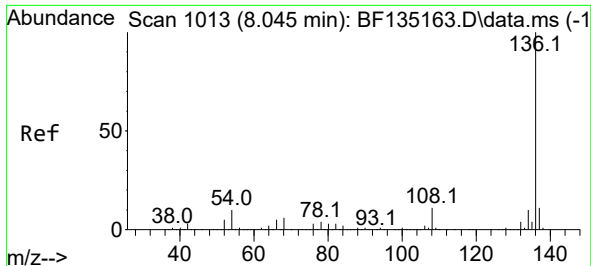
Tgt Ion: 99 Resp: 676138
Ion Ratio Lower Upper
99 100
42 22.1 17.9 26.9
71 34.0 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.713 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

Tgt Ion: 70 Resp: 54582
Ion Ratio Lower Upper
70 100
42 55.6 55.4 83.0
101 0.0 7.7 11.5#
130 2.2 17.0 25.6#



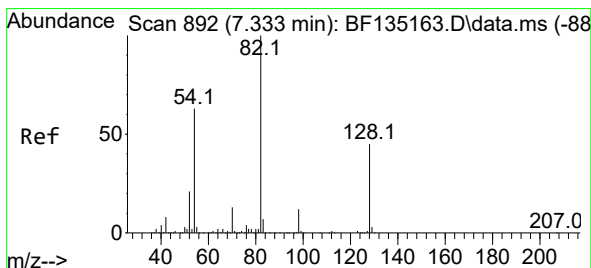
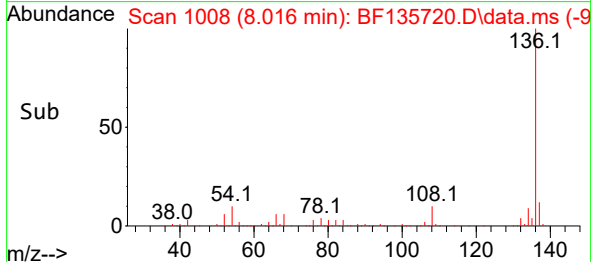
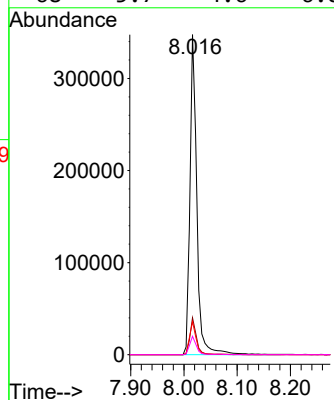
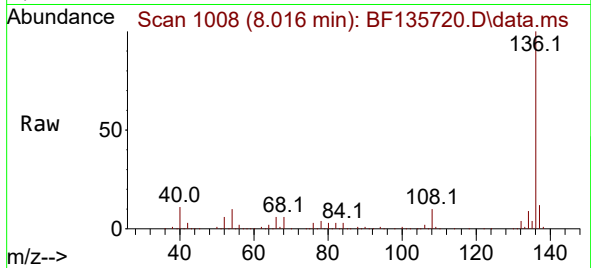


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:136 Resp: 312611

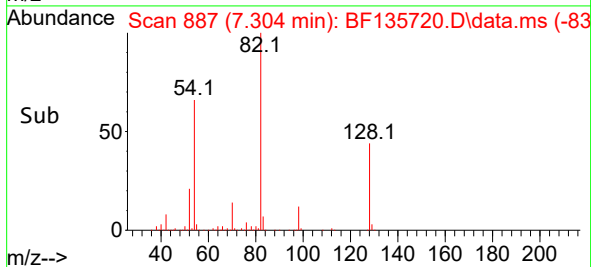
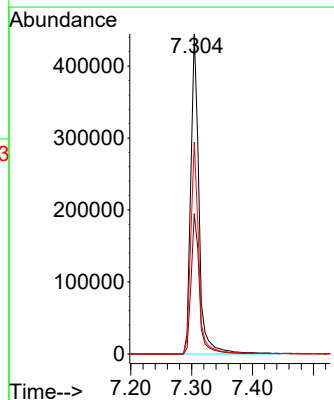
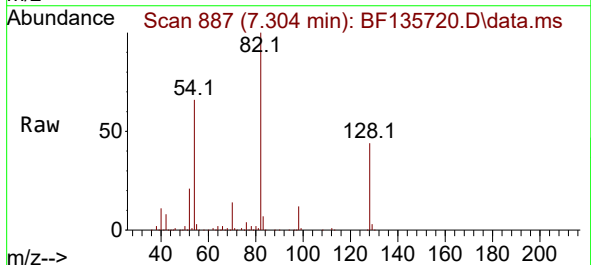
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	10.3	7.7	11.5
68	5.7	4.6	6.8

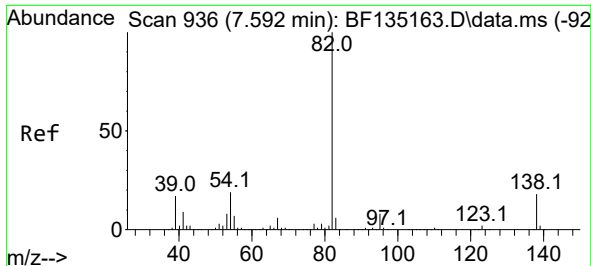


#23
Nitrobenzene-d5
Concen: 72.500 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

Tgt Ion: 82 Resp: 417167

Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.8	53.6
54	66.2	50.6	76.0

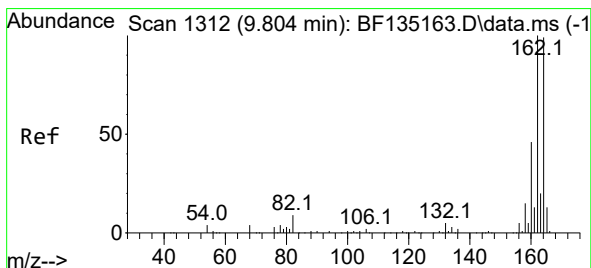
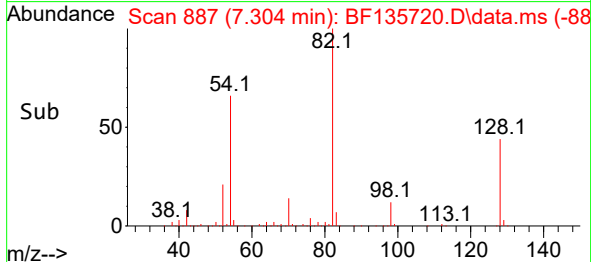
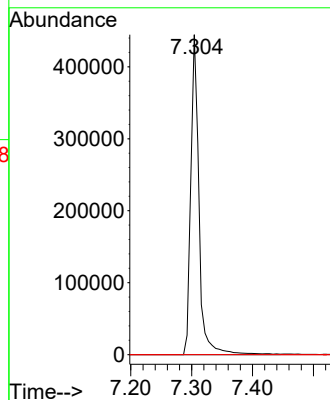
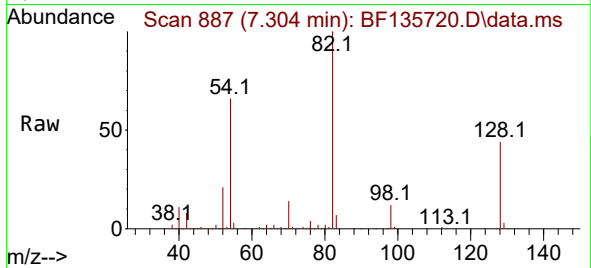




#25
Isophorone
Concen: 39.483 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

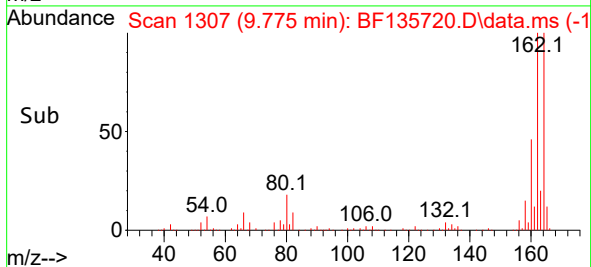
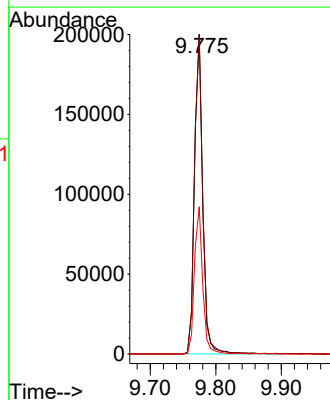
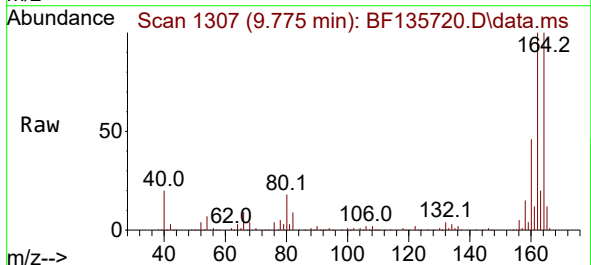
Instrument :
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ClientSampleId :
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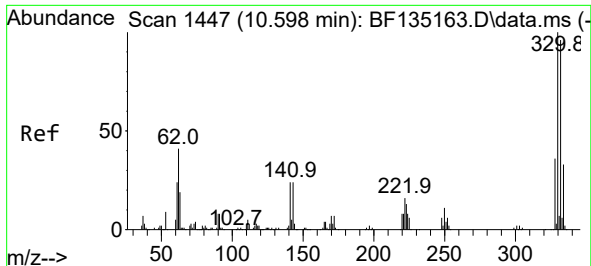
Tgt Ion: 82 Resp: 417167
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

Tgt Ion:164 Resp: 174667
Ion Ratio Lower Upper
164 100
162 100.4 81.0 121.4
160 46.2 37.0 55.4

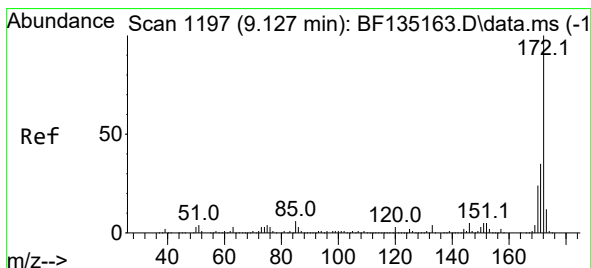
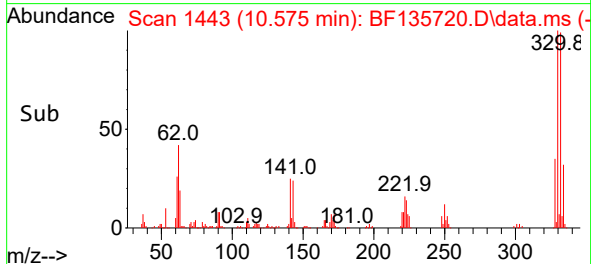
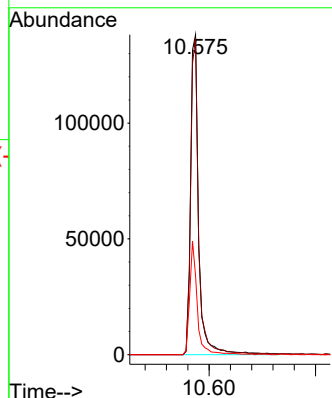
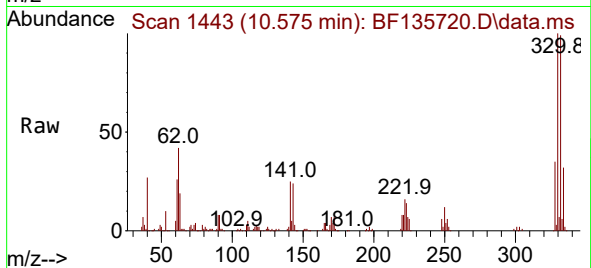




#42
2,4,6-Tribromophenol
Concen: 84.288 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

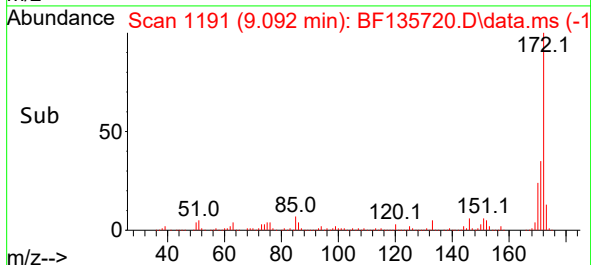
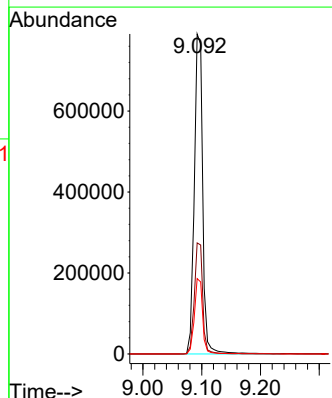
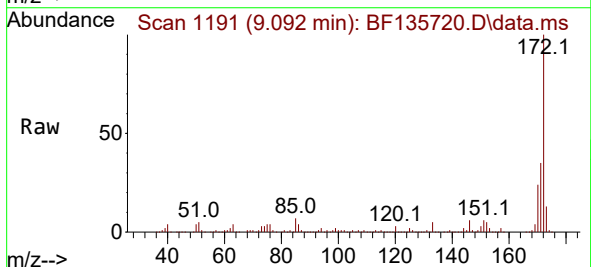
Instrument :
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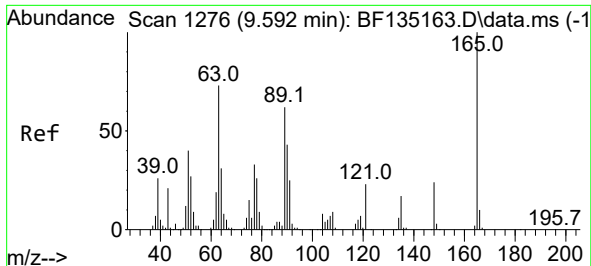
Tgt Ion:330 Resp: 146304
Ion Ratio Lower Upper
330 100
332 95.0 77.3 115.9
141 32.9 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 67.518 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

Tgt Ion:172 Resp: 781665
Ion Ratio Lower Upper
172 100
171 34.7 28.4 42.6
170 23.6 19.0 28.4

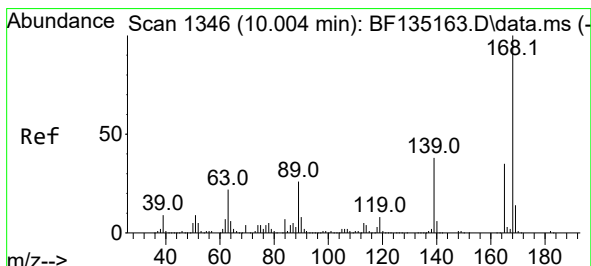
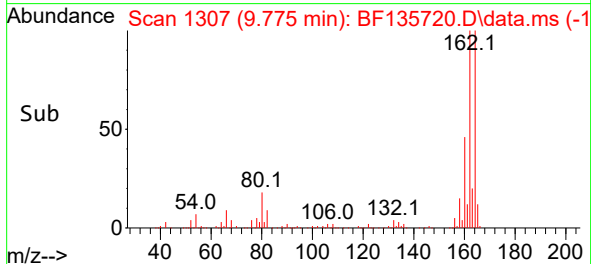
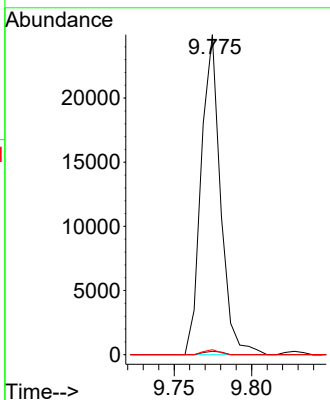
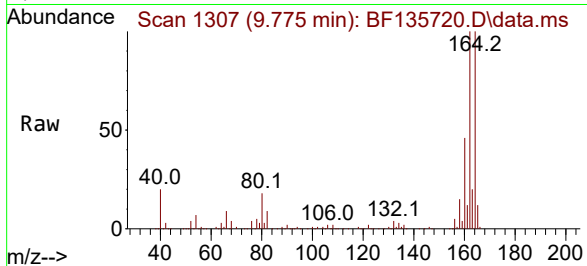




#51
2,6-Dinitrotoluene
Concen: 8.374 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.194 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

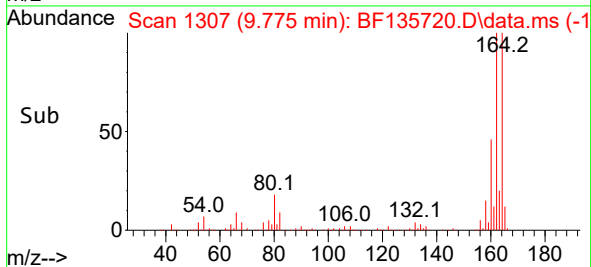
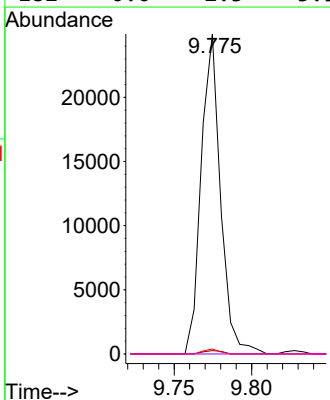
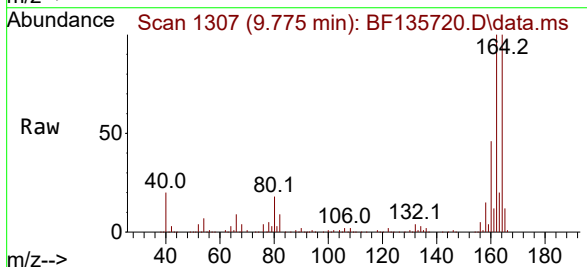
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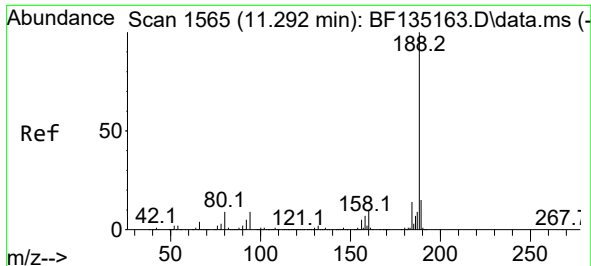
Tgt Ion:165 Resp: 21665
Ion Ratio Lower Upper
165 100
63 1.1 59.4 89.2#
89 1.5 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 6.689 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.218 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

Tgt Ion:165 Resp: 21665
Ion Ratio Lower Upper
165 100
63 1.1 50.1 75.1#
89 1.5 59.3 88.9#
182 0.0 2.3 3.5#

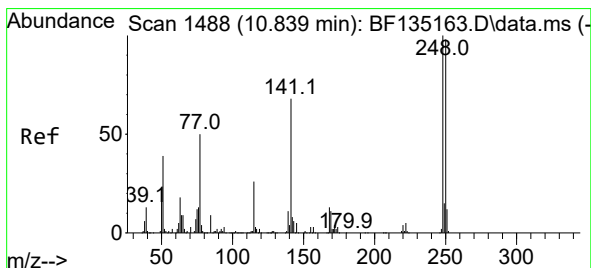
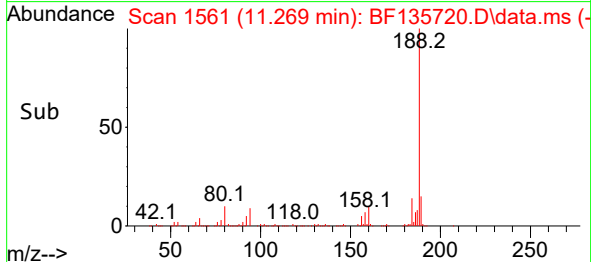
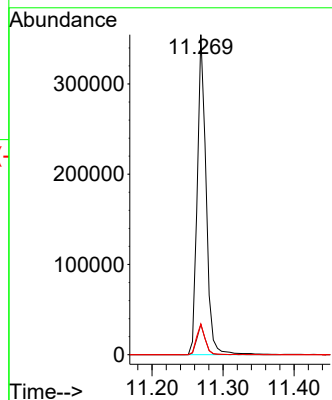
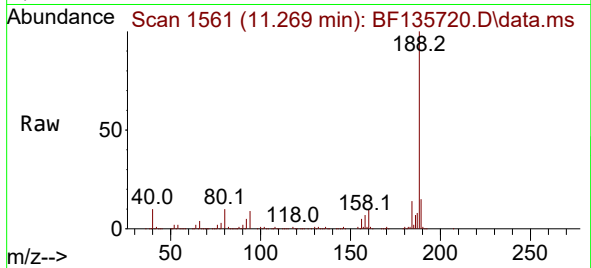




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

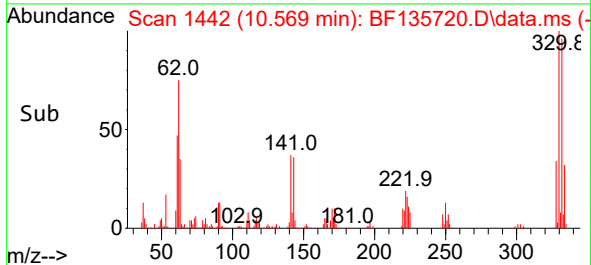
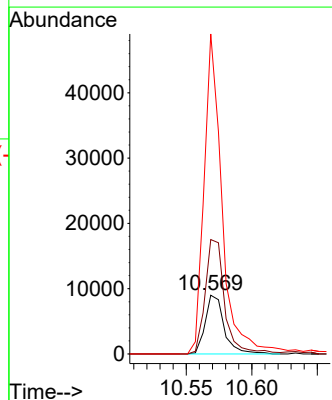
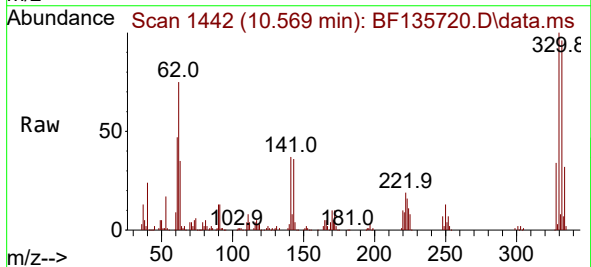
Instrument :
BNA_F
ClientSampleId :
TP-3

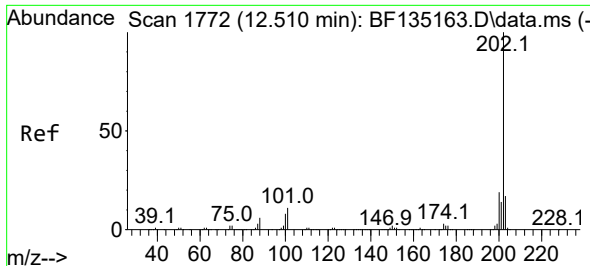
Tgt Ion:188 Resp: 307304
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.6
80 9.6 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 2.968 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.247 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

Tgt Ion:248 Resp: 9070
Ion Ratio Lower Upper
248 100
250 195.0 78.6 117.8#
141 545.2 54.2 81.2#

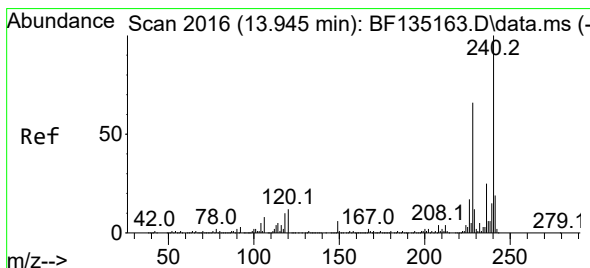
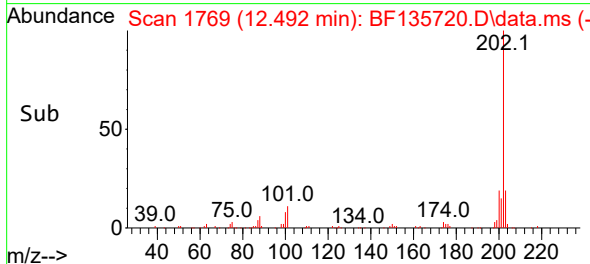
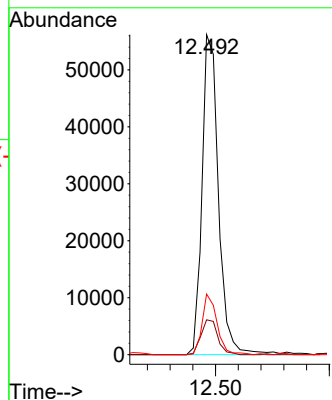
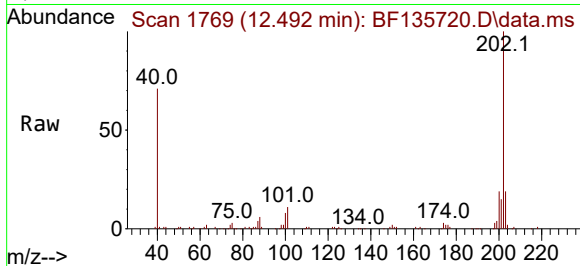




#75
Fluoranthene
Concen: 3.732 ng
RT: 12.492 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

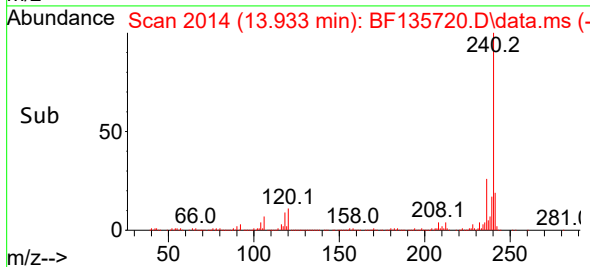
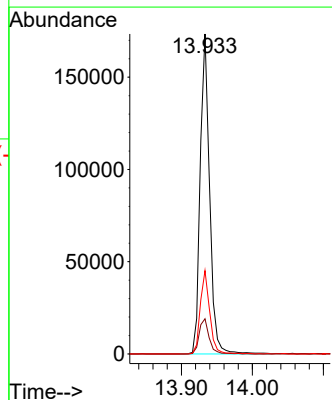
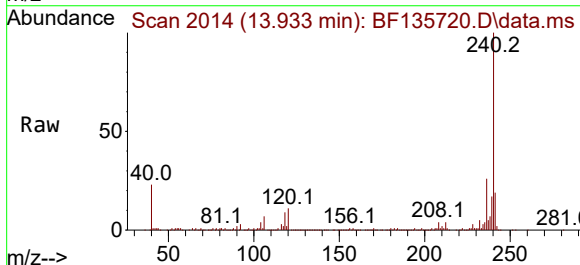
Instrument :
BNA_F
ClientSampleId :
TP-3

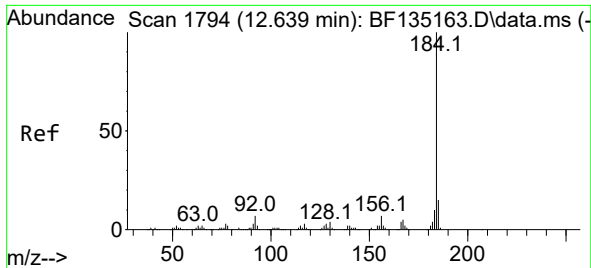
Tgt Ion:202 Resp: 56516
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.3
203 18.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

Tgt Ion:240 Resp: 160642
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.2
236 26.1 19.8 29.8

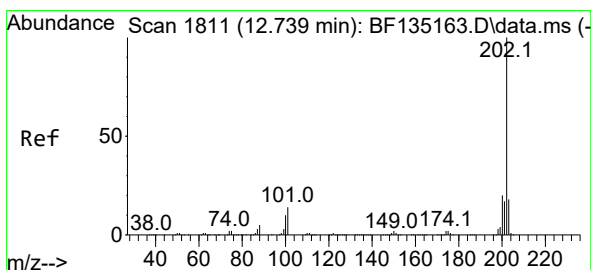
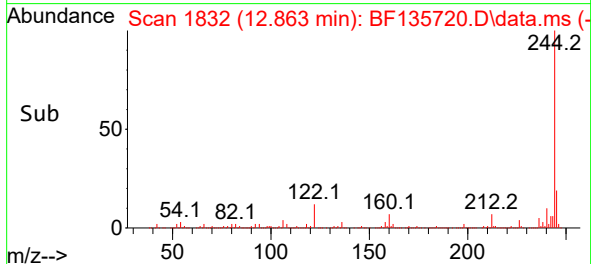
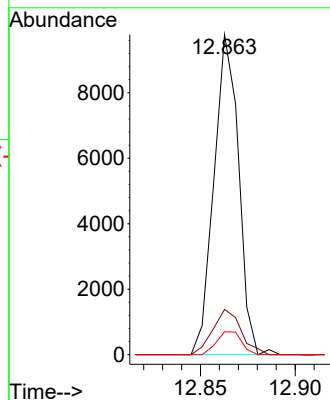
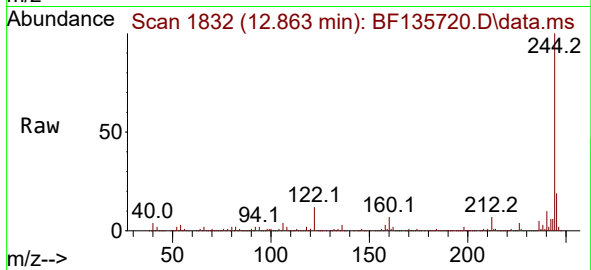




#77
Benzidine
Concen: 2.687 ng
RT: 12.863 min Scan# 1809
Delta R.T. 0.235 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

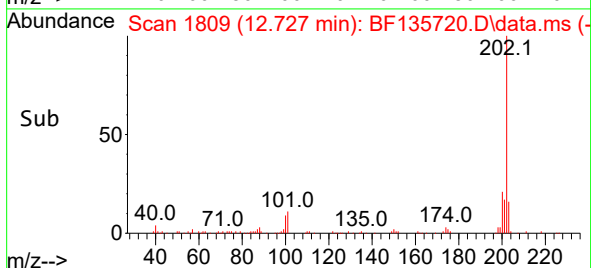
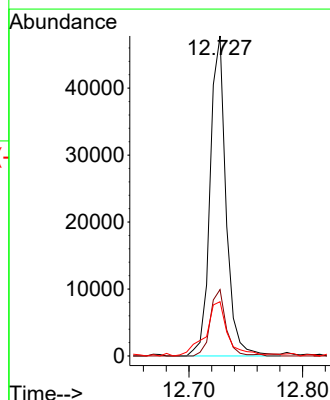
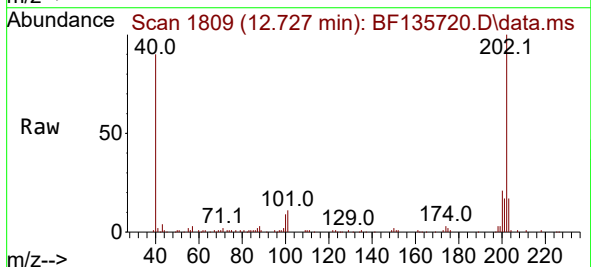
Instrument :
BNA_F
ClientSampleId :
TP-3

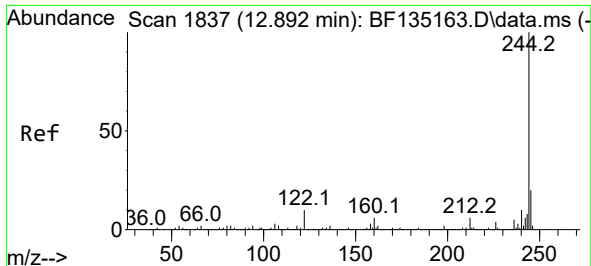
Tgt Ion:184 Resp: 8842
Ion Ratio Lower Upper
184 100
185 14.2 11.7 17.5
183 7.1 8.2 12.4#



#78
Pyrene
Concen: 3.043 ng
RT: 12.727 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF135720.D
Acq: 11 Oct 2023 18:45

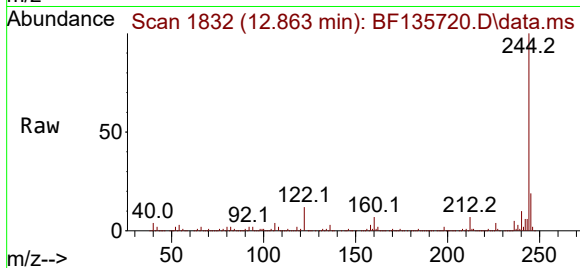
Tgt Ion:202 Resp: 46548
Ion Ratio Lower Upper
202 100
200 20.7 16.2 24.2
203 17.0 14.2 21.4



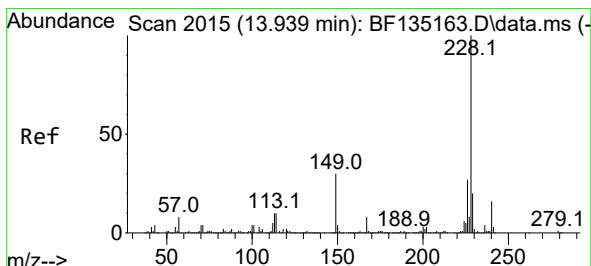
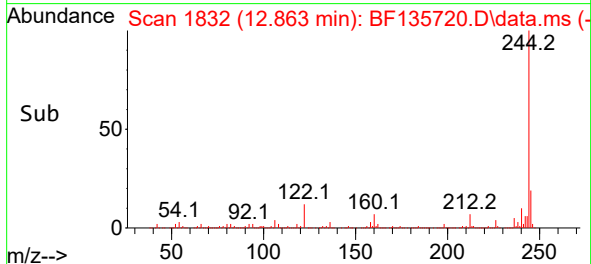
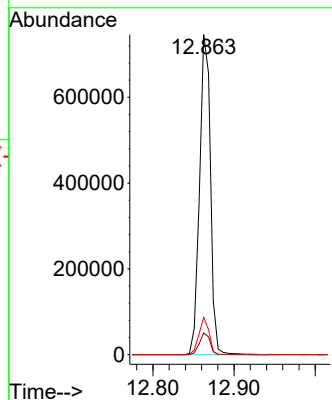


#79
 Terphenyl-d14
 Concen: 67.386 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135720.D
 Acq: 11 Oct 2023 18:45

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

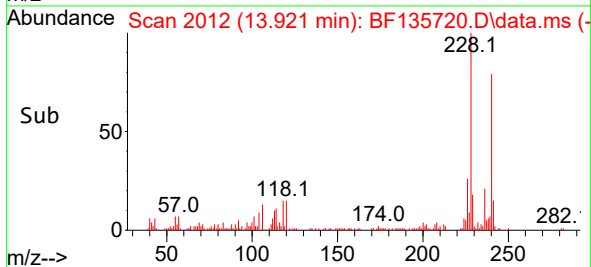
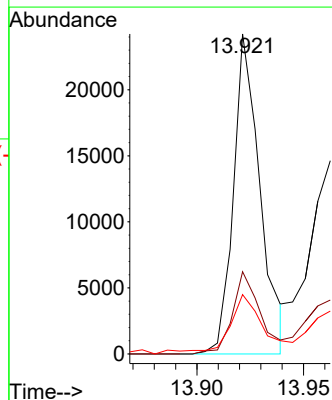
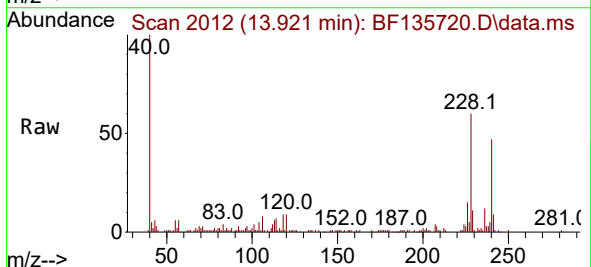


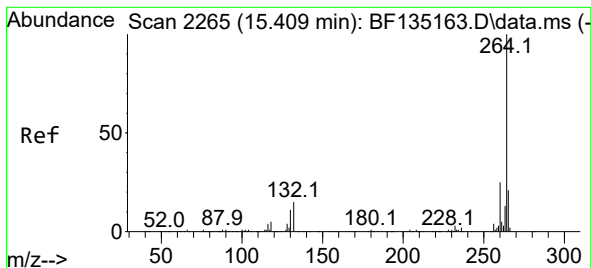
Tgt Ion:244 Resp: 698305
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 11.6 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 2.039 ng
 RT: 13.921 min Scan# 2012
 Delta R.T. -0.006 min
 Lab File: BF135720.D
 Acq: 11 Oct 2023 18:45

Tgt Ion:228 Resp: 21151
 Ion Ratio Lower Upper
 228 100
 226 25.7 21.7 32.5
 229 18.5 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135720.D

Acq: 11 Oct 2023 18:45

Instrument :

BNA_F

ClientSampleId :

TP-3

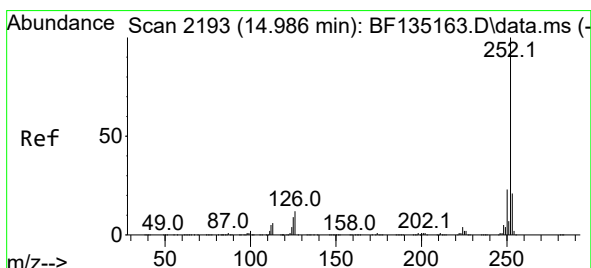
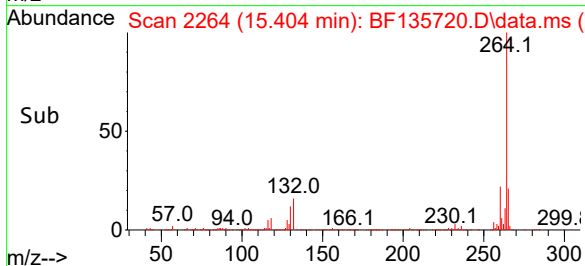
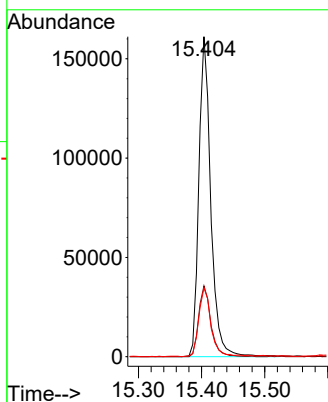
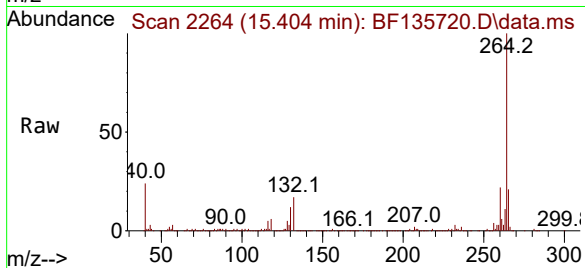
Tgt Ion:264 Resp: 210536

Ion Ratio Lower Upper

264 100

260 22.2 19.8 29.6

265 21.4 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.679 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.006 min

Lab File: BF135720.D

Acq: 11 Oct 2023 18:45

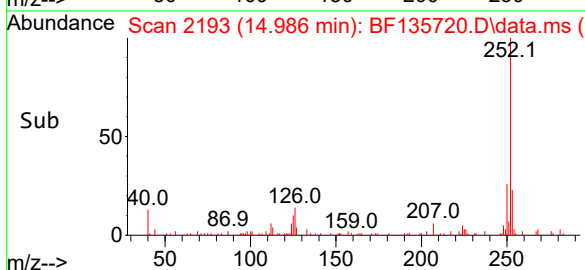
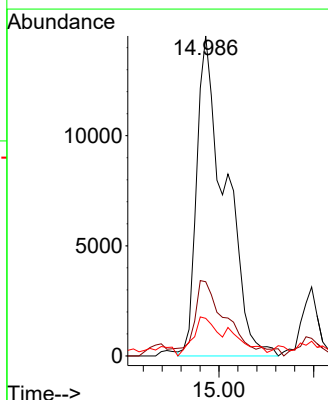
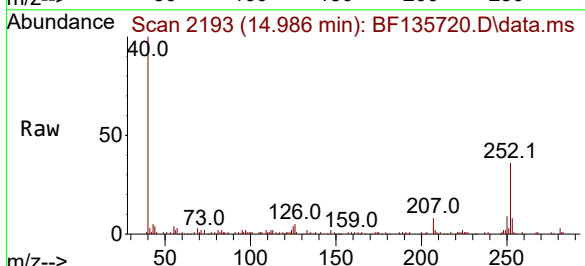
Tgt Ion:252 Resp: 30528

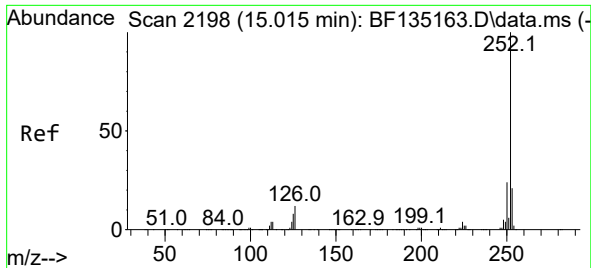
Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 11.8 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 2.712 ng

RT: 14.986 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF135720.D

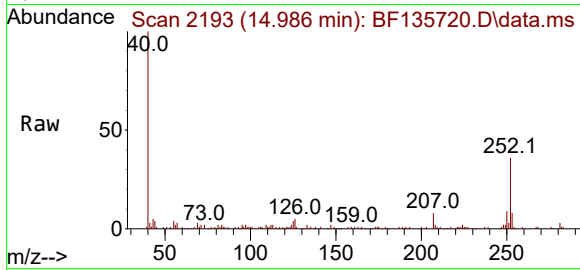
Acq: 11 Oct 2023 18:45

Instrument :

BNA_F

ClientSampleId :

TP-3



Tgt Ion:252 Resp: 30528

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 11.8 7.2 10.8#

