

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101323\
 Data File : BF135765.D
 Acq On : 13 Oct 2023 21:44
 Operator : CG\JU
 Sample : 04825-01 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-101023

Quant Time: Oct 13 23:38:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 13 17:12:59 2023
 Response via : Initial Calibration

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

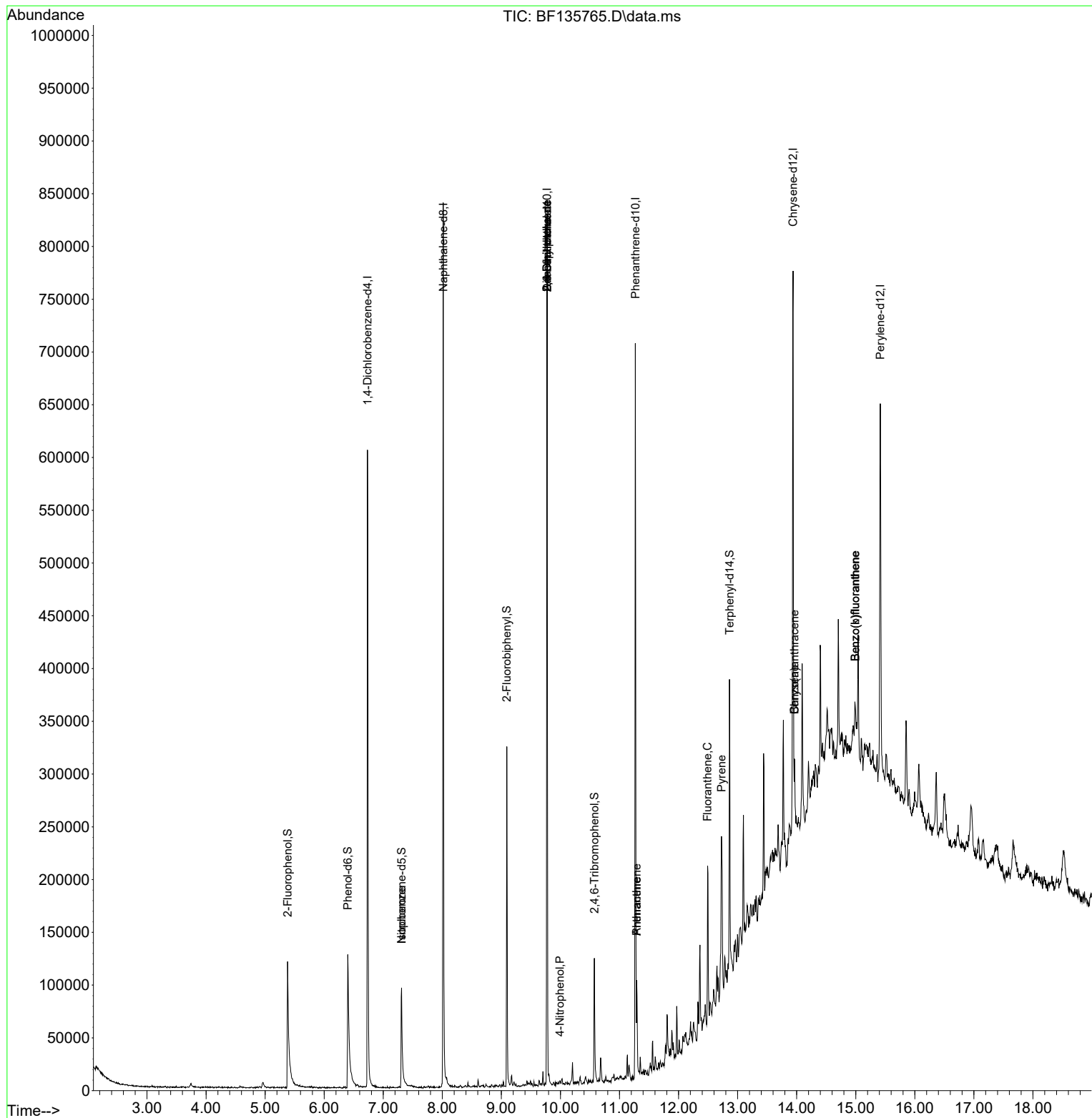
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	94491	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	336883	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	152188	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	249726	20.000	ng	0.00
76) Chrysene-d12	13.939	240	183611	20.000	ng	0.00
86) Perylene-d12	15.415	264	145241	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	62607	10.652	ng	0.00
7) Phenol-d6	6.398	99	83588	11.399	ng	0.00
23) Nitrobenzene-d5	7.310	82	44978	7.343	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	14176	9.707	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	93644	9.621	ng	-0.01
79) Terphenyl-d14	12.863	244	88476	8.924	ng	-0.01
Target Compounds					Qvalue	
25) Isophorone	7.310	82	44978	3.892	ng	# 66
50) Dimethylphthalate	9.775	163	29968	2.917	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	19533	8.841	ng	# 16
56) 4-Nitrophenol	9.992	139	501	5.868	ng	# 5
57) 2,4-Dinitrotoluene	9.775	165	19533	6.949	ng	# 23
71) Phenanthrene	11.292	178	32356	2.705	ng	97
72) Anthracene	11.292	178	32356	2.610	ng	95
75) Fluoranthene	12.492	202	61109	4.602	ng	99
78) Pyrene	12.727	202	52762	3.616	ng	99
81) Benzo(a)anthracene	13.963	228	24745	2.052	ng	95
83) Chrysene	13.963	228	24745	2.118	ng	# 95
88) Benzo(b)fluoranthene	14.992	252	28615	3.520	ng	# 80
89) Benzo(k)fluoranthene	14.992	252	28615	3.626	ng	# 79

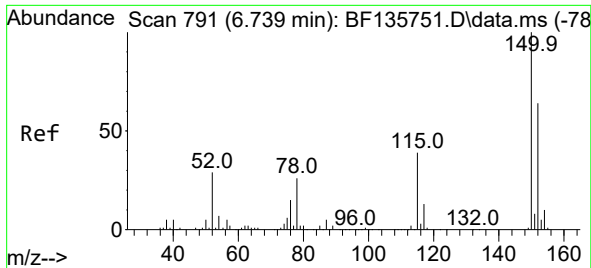
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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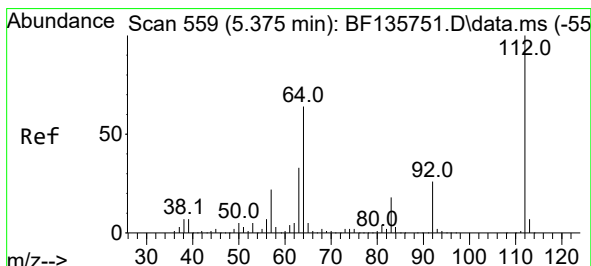
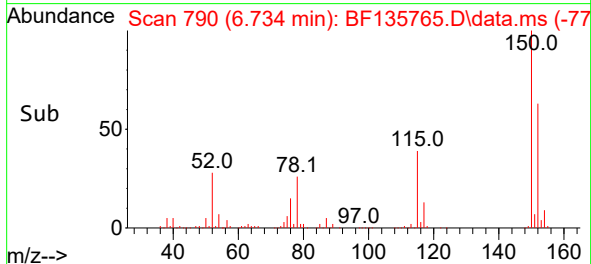
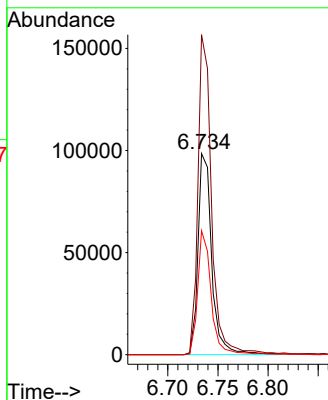
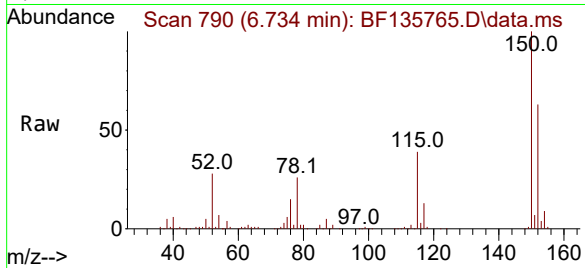




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

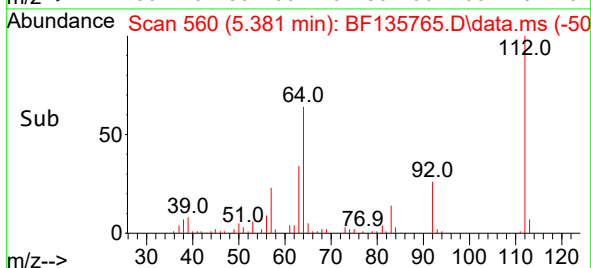
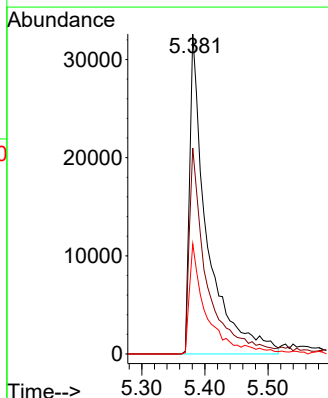
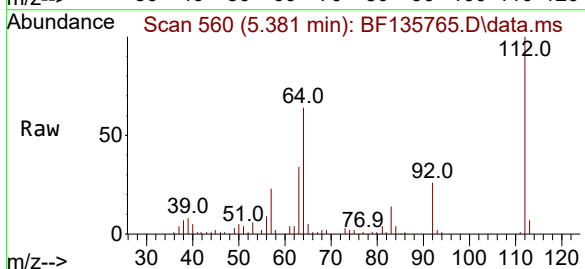
Instrument :
BNA_F
ClientSampleId :
SU-02-101023

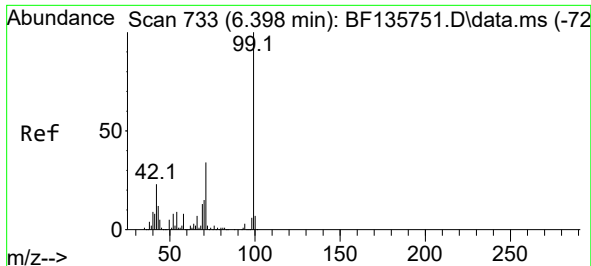
Tgt Ion:152 Resp: 94491
Ion Ratio Lower Upper
152 100
150 159.1 124.5 186.7
115 61.7 49.0 73.4



#5
2-Fluorophenol
Concen: 10.652 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Tgt Ion:112 Resp: 62607
Ion Ratio Lower Upper
112 100
64 64.4 51.2 76.8
63 34.4 26.1 39.1

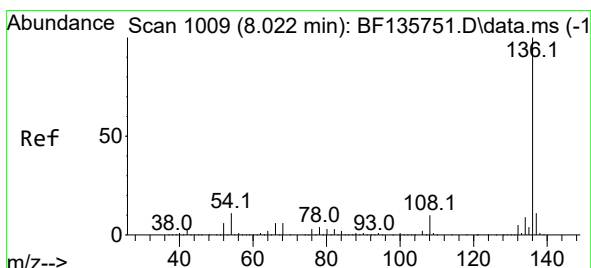
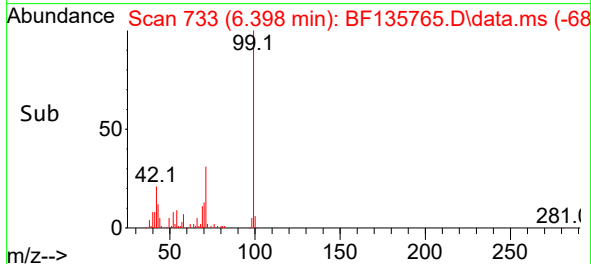
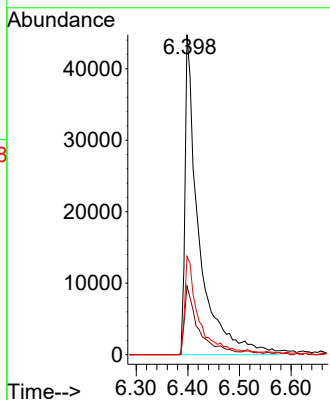
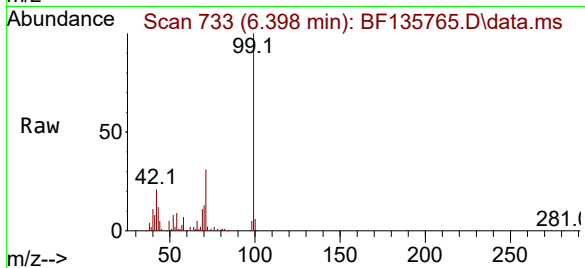




#7
Phenol-d6
Concen: 11.399 ng
RT: 6.398 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

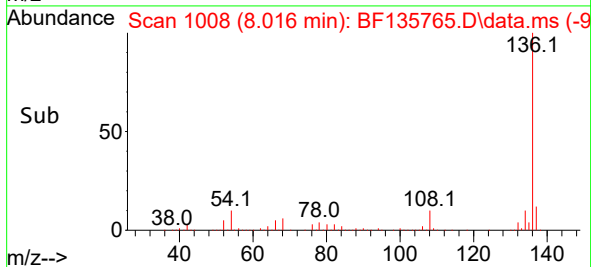
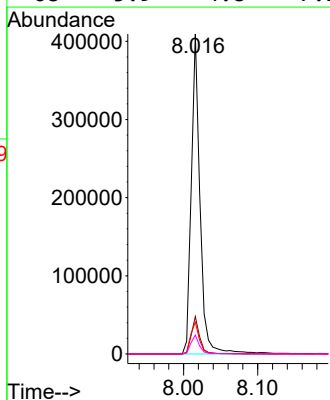
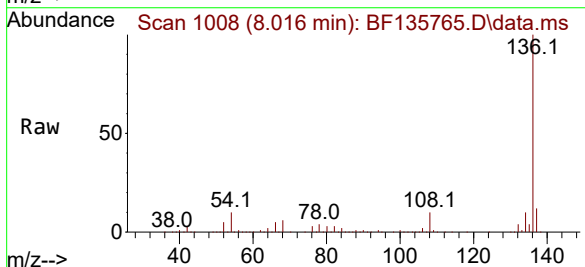
Instrument :
BNA_F
ClientSampleId :
SU-02-101023

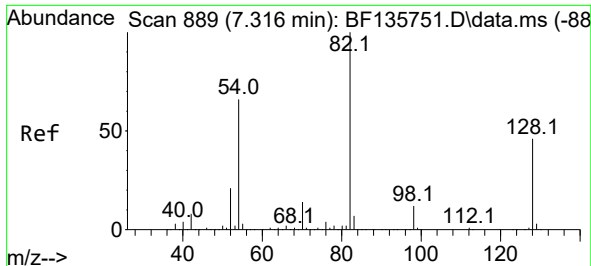
Tgt Ion: 99 Resp: 83588
Ion Ratio Lower Upper
99 100
42 21.4 18.4 27.6
71 30.7 27.2 40.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Tgt Ion:136 Resp: 336883
Ion Ratio Lower Upper
136 100
137 11.7 8.6 12.8
54 10.0 8.5 12.7
68 5.9 4.8 7.2





#23

Nitrobenzene-d5

Concen: 7.343 ng

RT: 7.310 min Scan# 888

Delta R.T. -0.006 min

Lab File: BF135765.D

Acq: 13 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

SU-02-101023

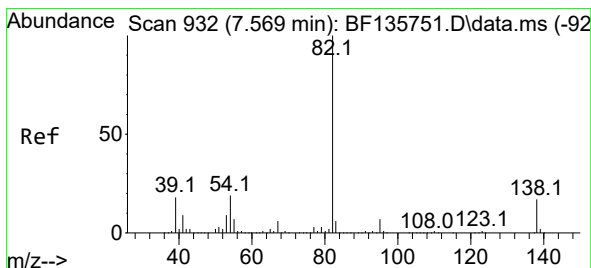
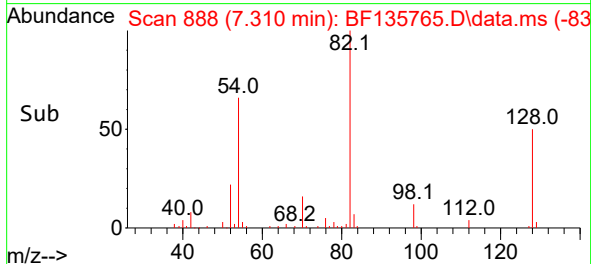
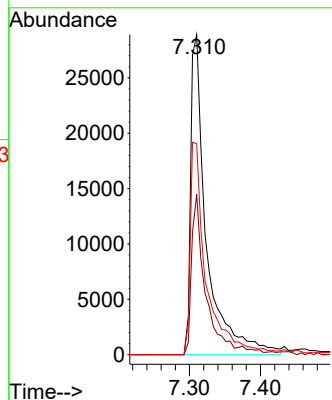
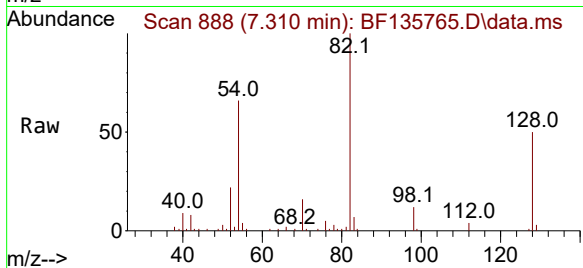
Tgt Ion: 82 Resp: 44978

Ion Ratio Lower Upper

82 100

128 50.1 37.0 55.6

54 65.9 52.8 79.2



#25

Isophorone

Concen: 3.892 ng

RT: 7.310 min Scan# 888

Delta R.T. -0.259 min

Lab File: BF135765.D

Acq: 13 Oct 2023 21:44

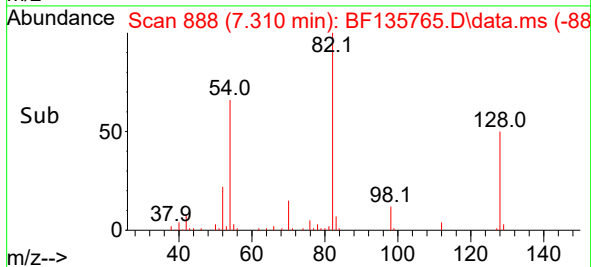
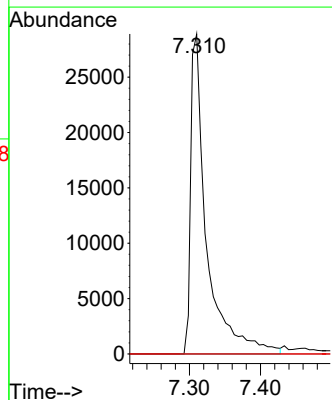
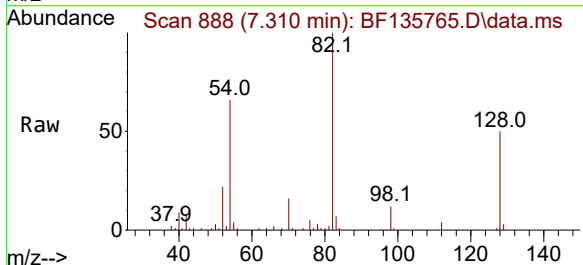
Tgt Ion: 82 Resp: 44978

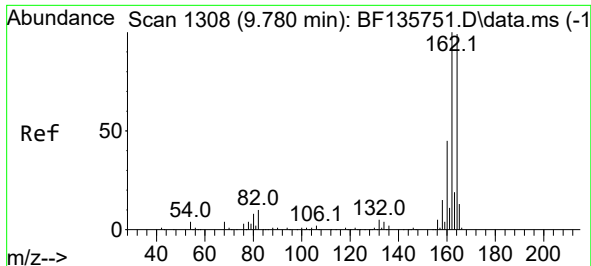
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.9 20.9#

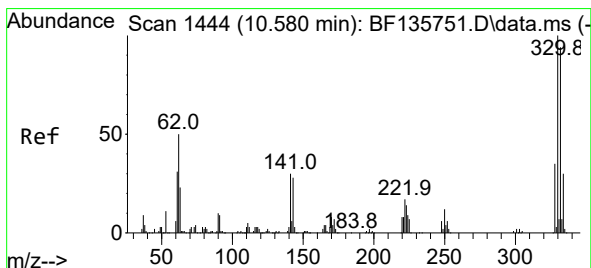
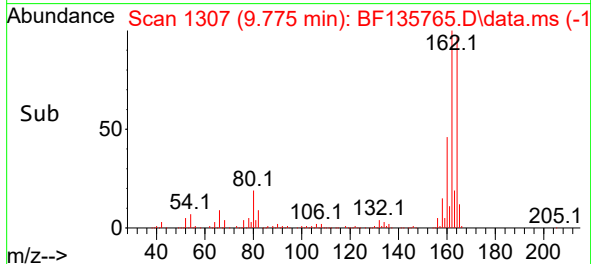
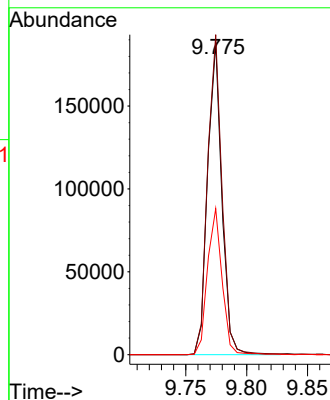
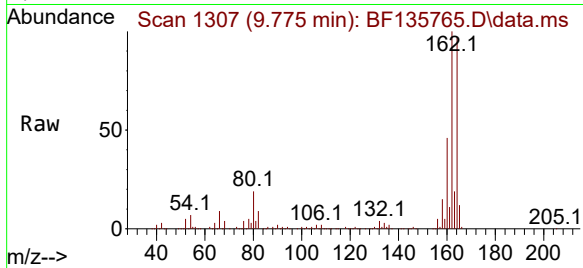




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

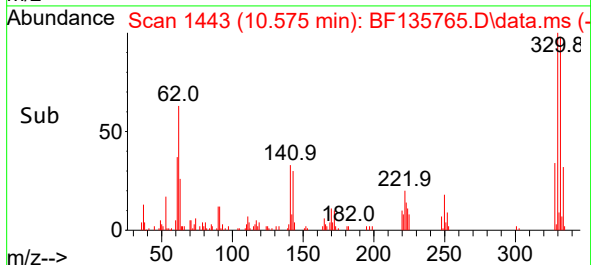
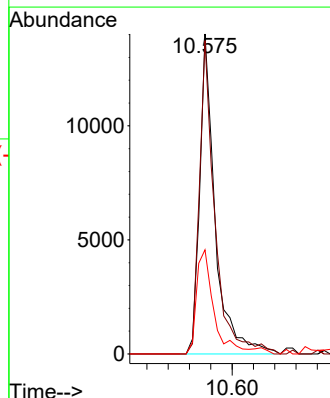
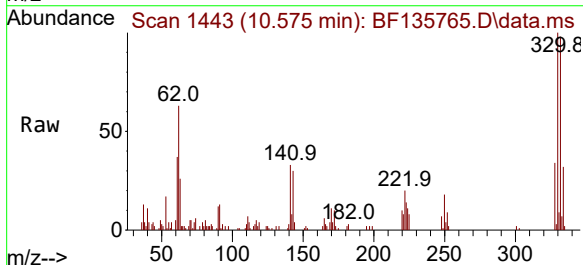
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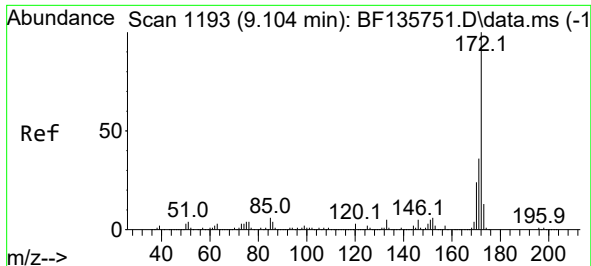
Tgt Ion:164 Resp: 152188
Ion Ratio Lower Upper
164 100
162 102.7 80.8 121.2
160 46.9 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 9.707 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Tgt Ion:330 Resp: 14176
Ion Ratio Lower Upper
330 100
332 97.7 75.0 112.4
141 36.0 25.8 38.6

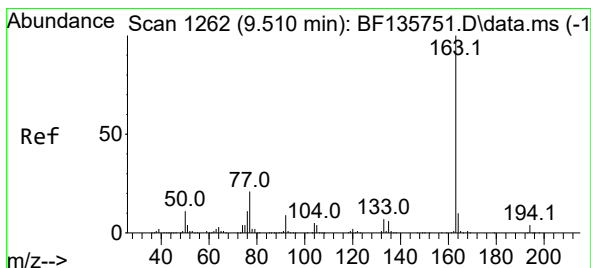
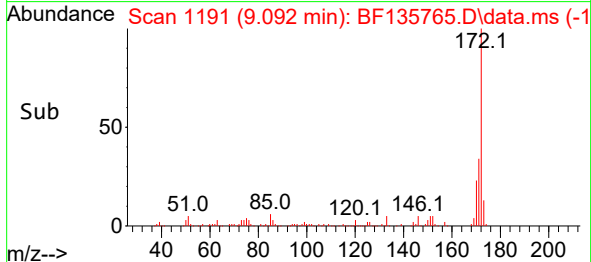
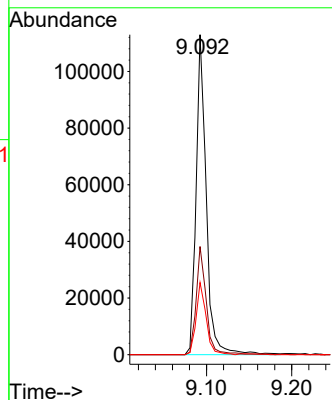
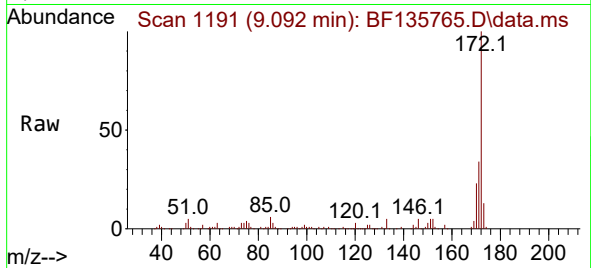




#45
2-Fluorobiphenyl
Concen: 9.621 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

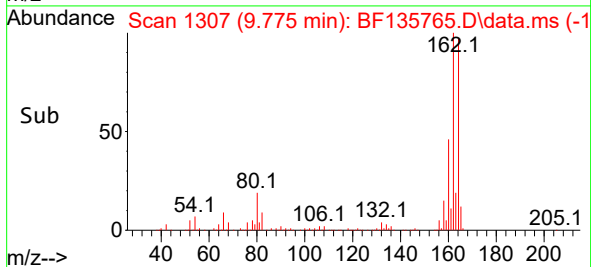
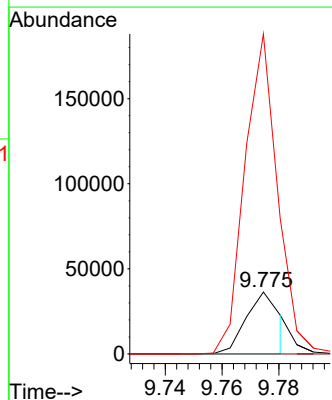
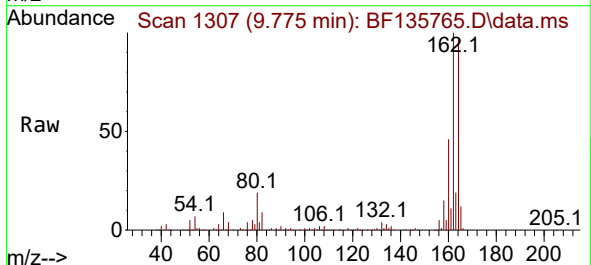
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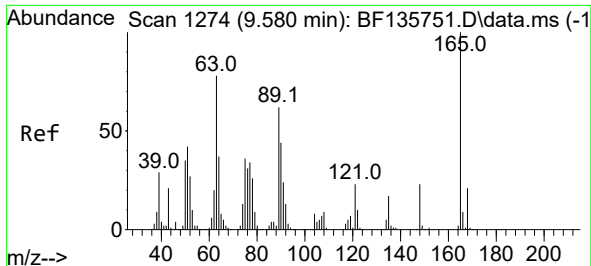
Tgt Ion:172 Resp: 93644
Ion Ratio Lower Upper
172 100
171 33.8 28.4 42.6
170 22.5 18.8 28.2



#50
Dimethylphthalate
Concen: 2.917 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.265 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Tgt Ion:163 Resp: 29968
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 516.8 7.9 11.9#

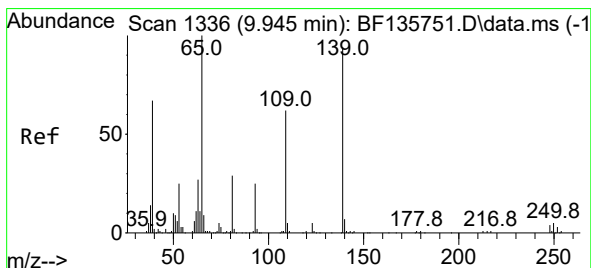
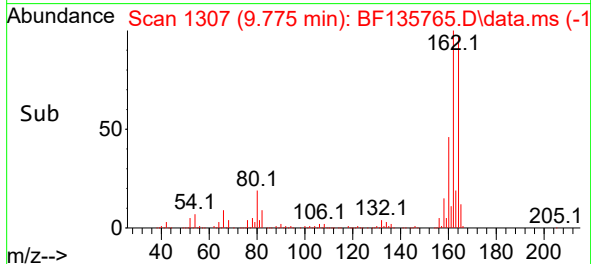
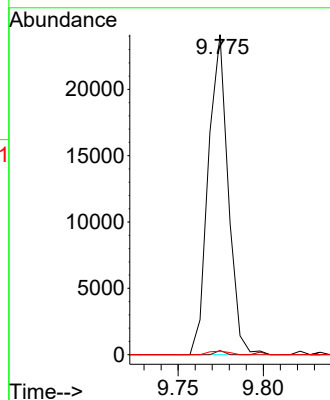
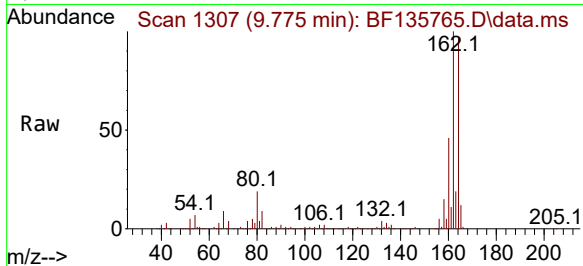




#51
2,6-Dinitrotoluene
Concen: 8.841 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

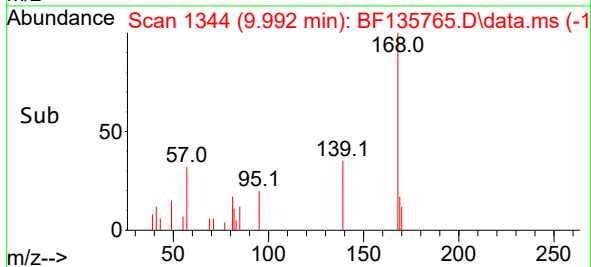
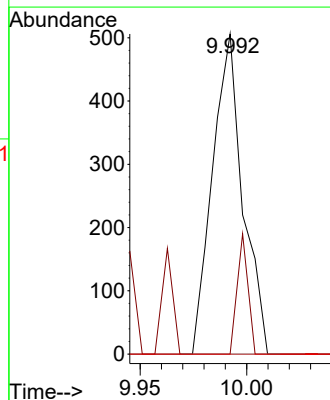
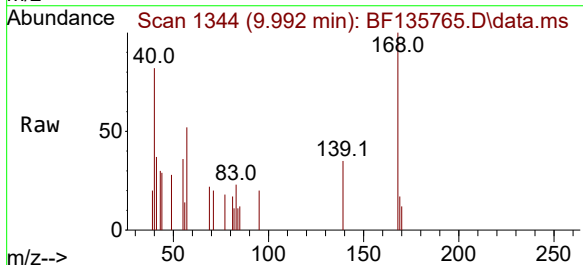
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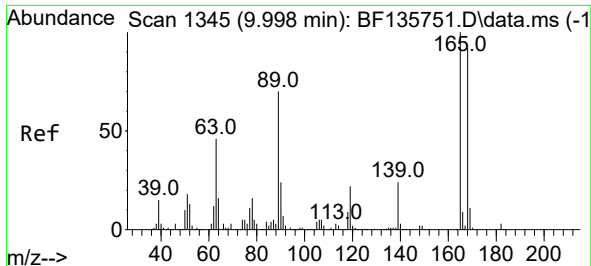
Tgt Ion:165 Resp: 19533
Ion Ratio Lower Upper
165 100
63 1.3 62.2 93.4#
89 1.1 49.6 74.4#



#56
4-Nitrophenol
Concen: 5.868 ng
RT: 9.992 min Scan# 1344
Delta R.T. 0.047 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

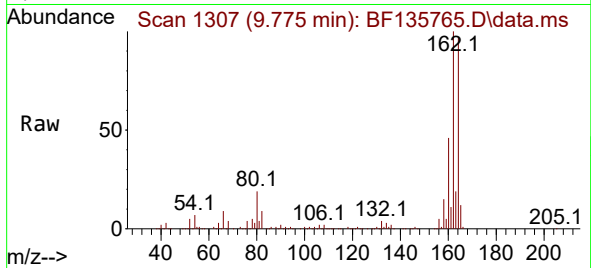
Tgt Ion:139 Resp: 501
Ion Ratio Lower Upper
139 100
109 0.0 45.6 85.6#
65 0.0 87.5 127.5#



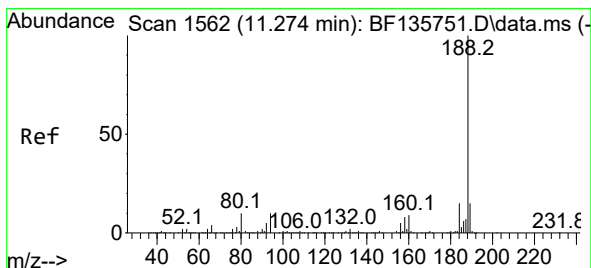
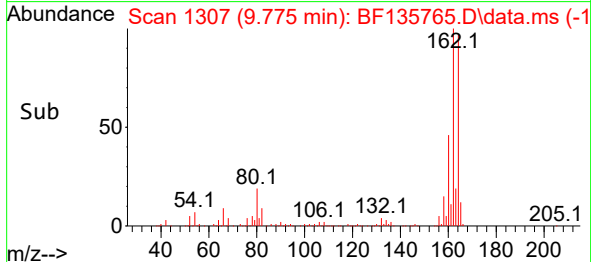
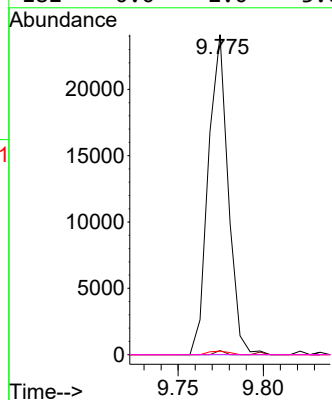


#57
2,4-Dinitrotoluene
Concen: 6.949 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.223 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Instrument :
BNA_F
ClientSampleId :
SU-02-101023

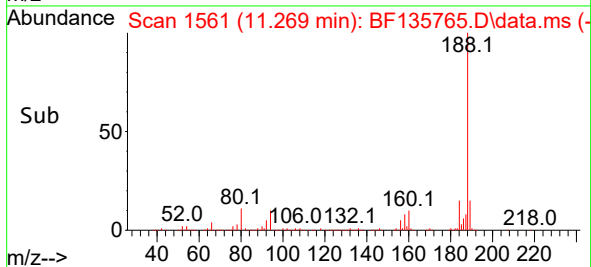
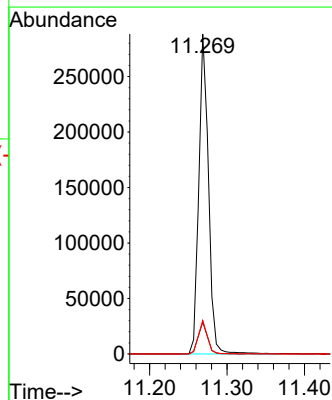
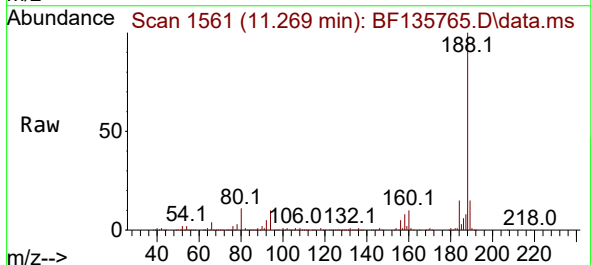


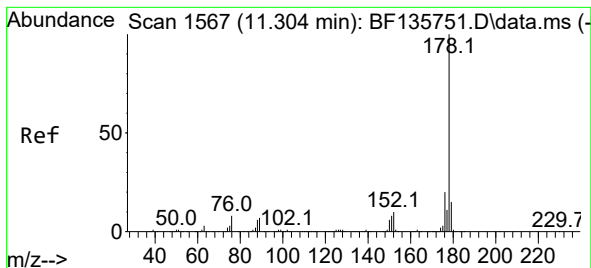
Tgt Ion:165 Resp: 19533
Ion Ratio Lower Upper
165 100
63 1.3 39.0 58.4#
89 1.1 55.9 83.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Tgt Ion:188 Resp: 249726
Ion Ratio Lower Upper
188 100
94 10.0 8.0 12.0
80 10.5 8.3 12.5





#71

Phenanthrene

Concen: 2.705 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.012 min

Lab File: BF135765.D

Acq: 13 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

SU-02-101023

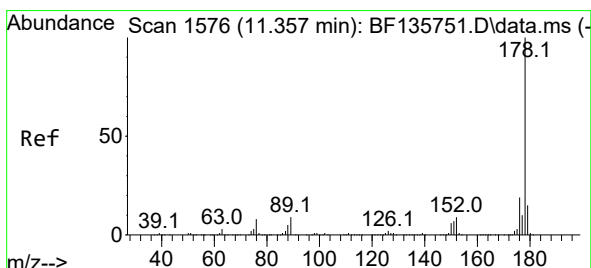
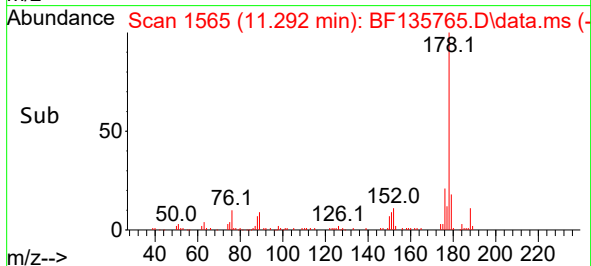
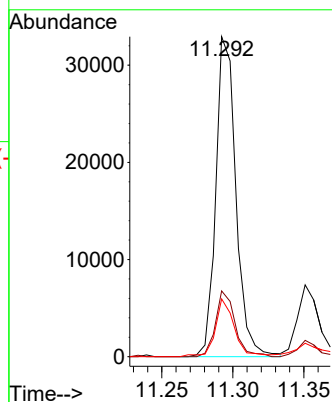
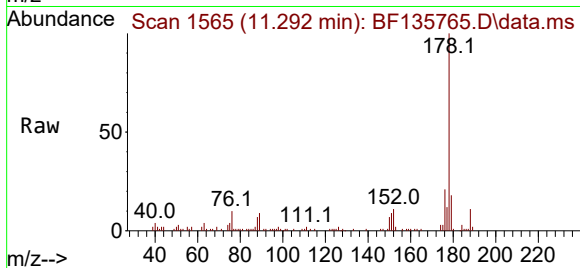
Tgt Ion:178 Resp: 32356

Ion Ratio Lower Upper

178 100

176 20.5 16.0 24.0

179 18.0 12.2 18.4



#72

Anthracene

Concen: 2.610 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.065 min

Lab File: BF135765.D

Acq: 13 Oct 2023 21:44

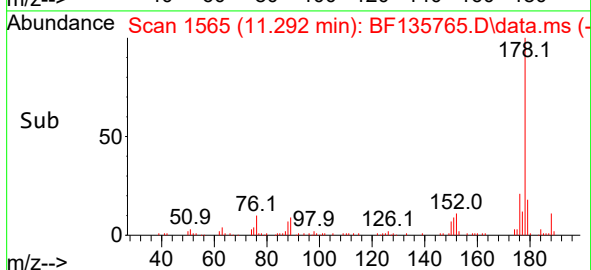
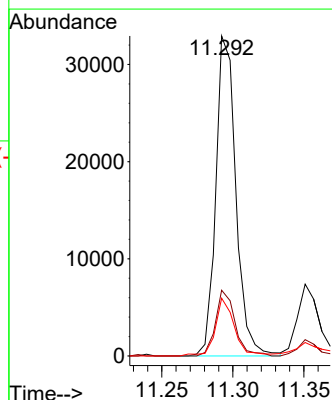
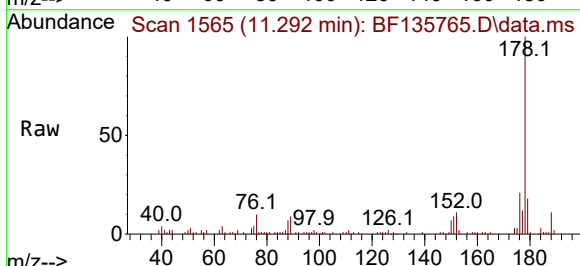
Tgt Ion:178 Resp: 32356

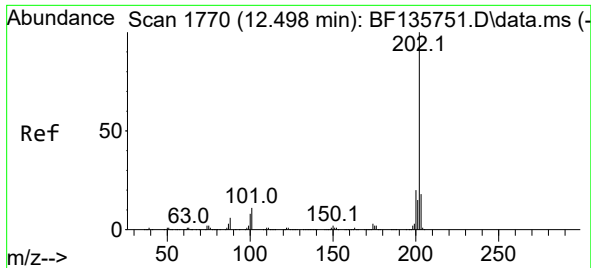
Ion Ratio Lower Upper

178 100

176 20.5 15.1 22.7

179 18.0 12.3 18.5

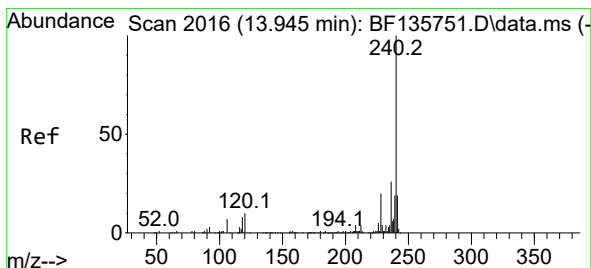
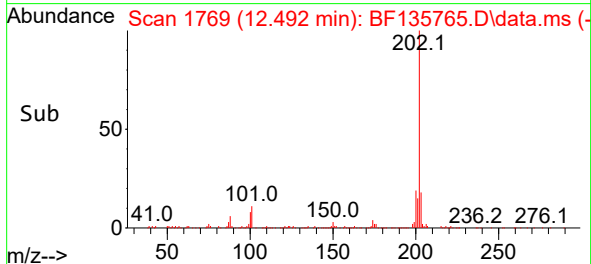
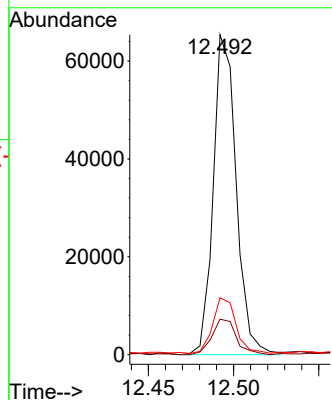
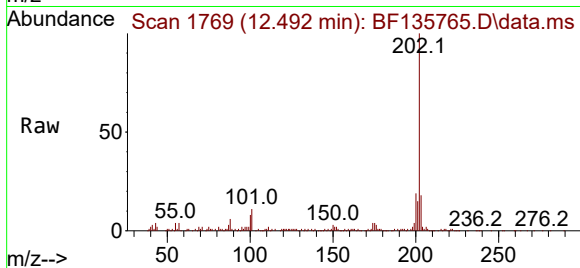




#75
Fluoranthene
Concen: 4.602 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

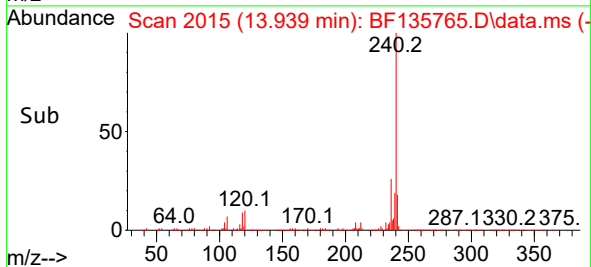
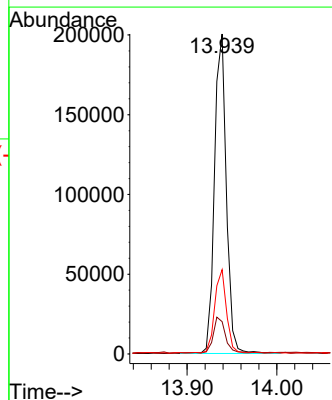
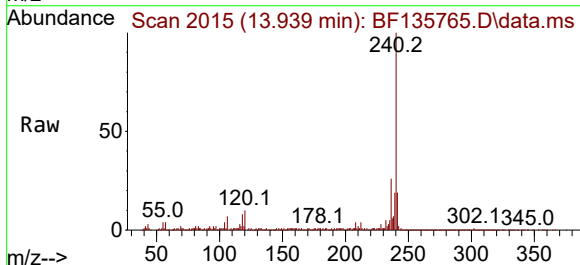
Instrument :
BNA_F
ClientSampleId :
SU-02-101023

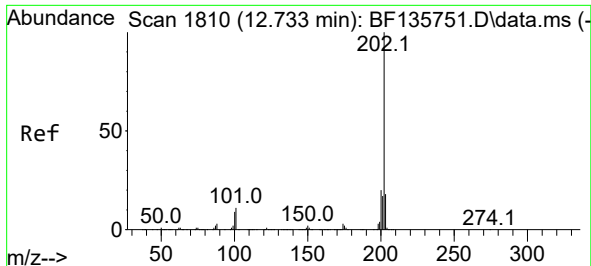
Tgt Ion:202 Resp: 61109
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.5
203 17.8 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Tgt Ion:240 Resp: 183611
Ion Ratio Lower Upper
240 100
120 10.1 8.2 12.2
236 26.3 21.2 31.8

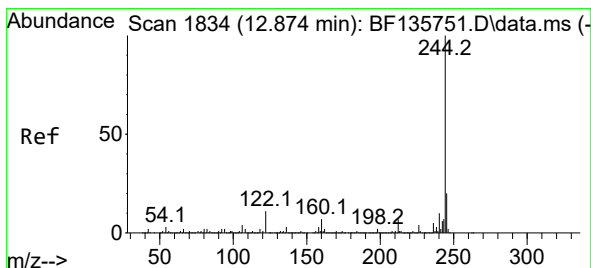
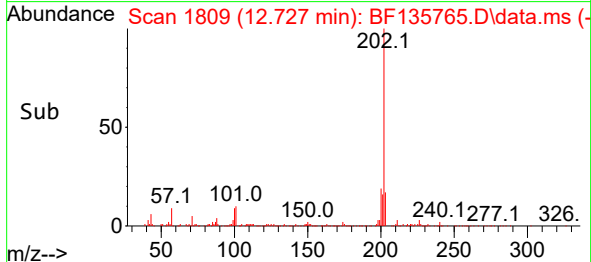
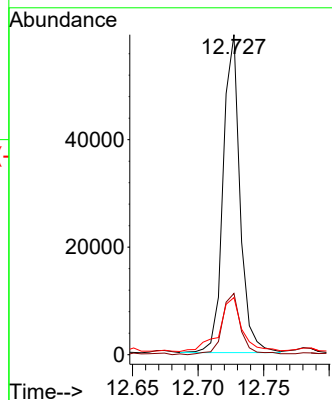
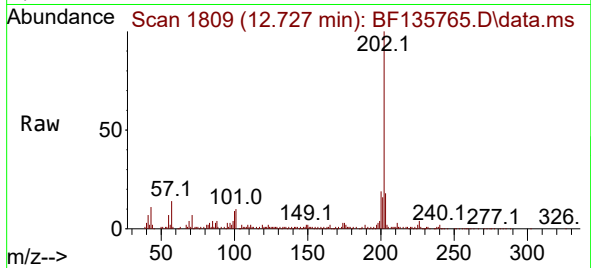




#78
 Pyrene
 Concen: 3.616 ng
 RT: 12.727 min Scan# 1809
 Delta R.T. -0.006 min
 Lab File: BF135765.D
 Acq: 13 Oct 2023 21:44

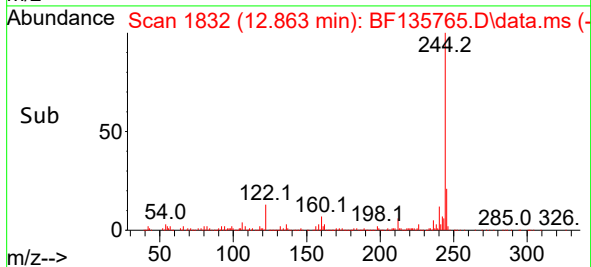
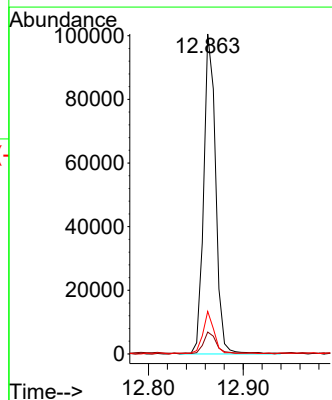
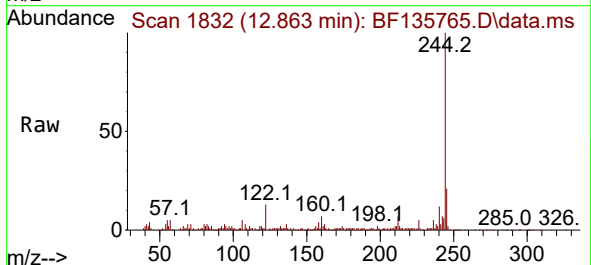
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-101023

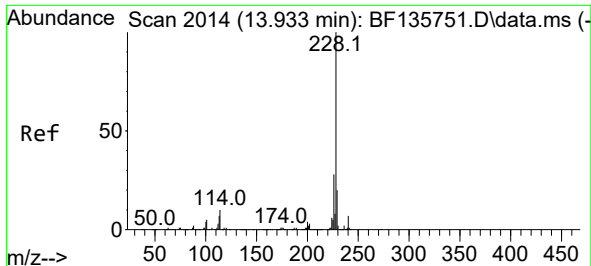
Tgt Ion:202 Resp: 52762
 Ion Ratio Lower Upper
 202 100
 200 19.2 16.1 24.1
 203 17.8 14.2 21.2



#79
 Terphenyl-d14
 Concen: 8.924 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. -0.012 min
 Lab File: BF135765.D
 Acq: 13 Oct 2023 21:44

Tgt Ion:244 Resp: 88476
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 13.3 9.0 13.6

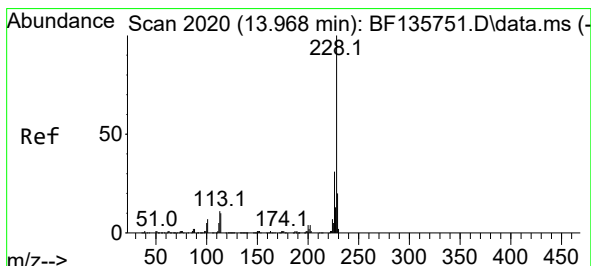
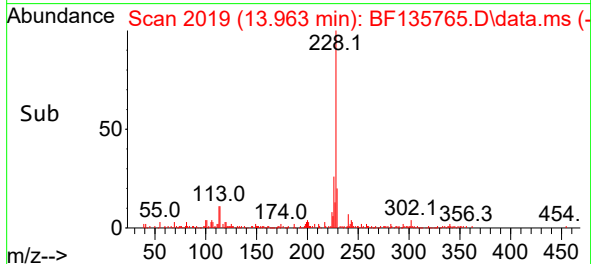
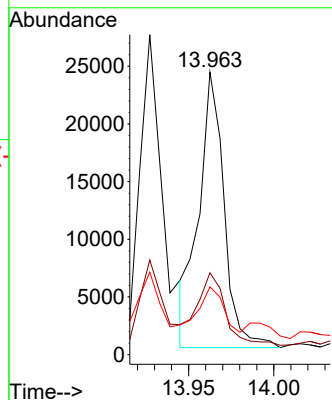
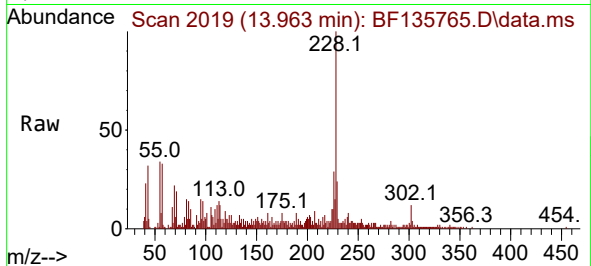




#81
Benzo(a)anthracene
Concen: 2.052 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.030 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

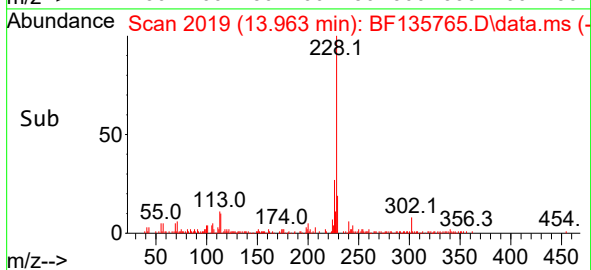
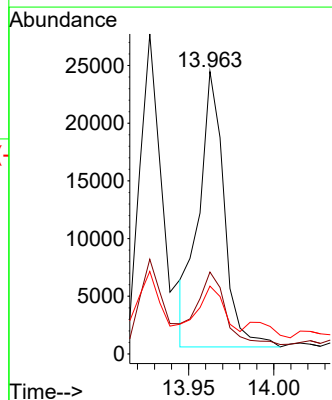
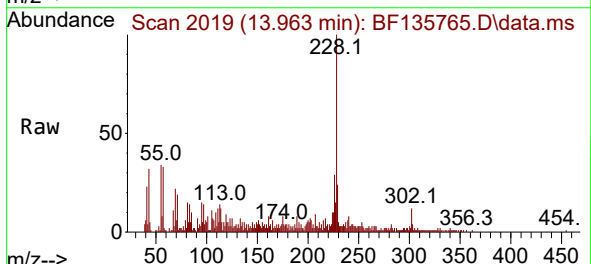
Instrument :
BNA_F
ClientSampleId :
SU-02-101023

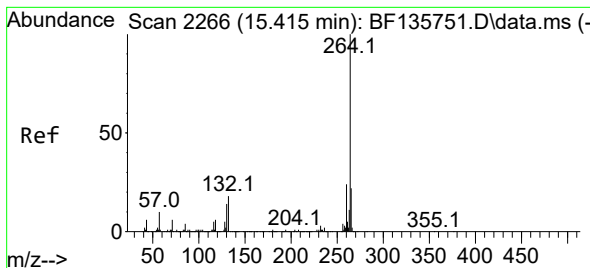
Tgt Ion:228 Resp: 24745
Ion Ratio Lower Upper
228 100
226 29.0 22.2 33.2
229 24.0 16.1 24.1



#83
Chrysene
Concen: 2.118 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF135765.D
Acq: 13 Oct 2023 21:44

Tgt Ion:228 Resp: 24745
Ion Ratio Lower Upper
228 100
226 29.0 24.4 36.6
229 24.0 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135765.D

Acq: 13 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

SU-02-101023

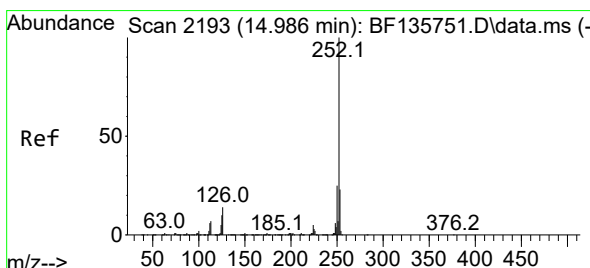
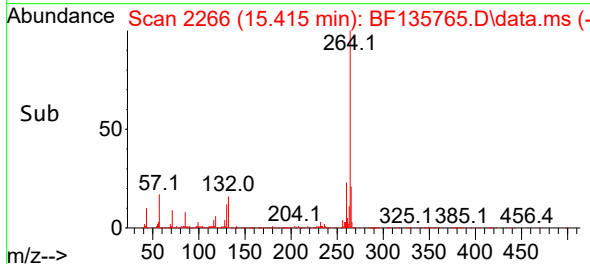
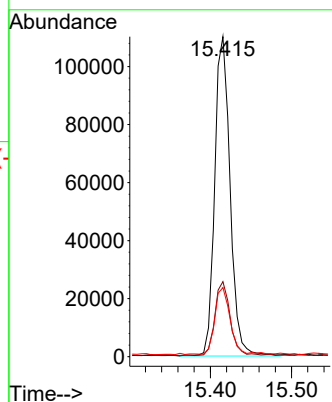
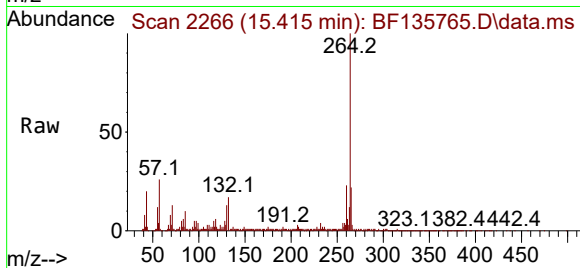
Tgt Ion:264 Resp: 145241

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.6 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.520 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135765.D

Acq: 13 Oct 2023 21:44

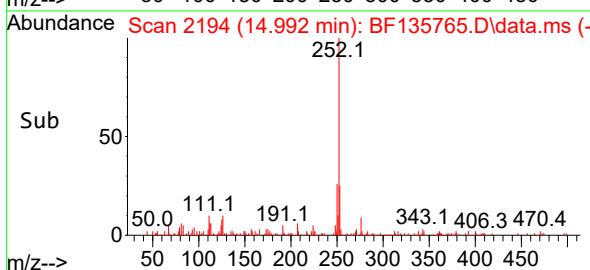
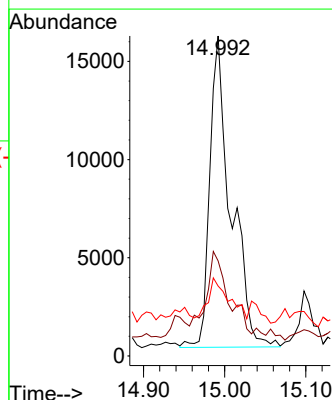
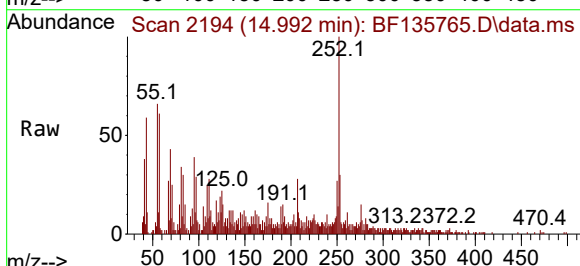
Tgt Ion:252 Resp: 28615

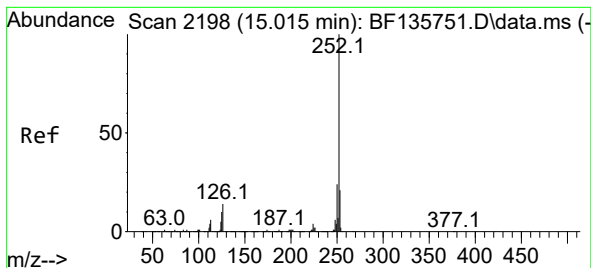
Ion Ratio Lower Upper

252 100

253 29.7 18.2 27.2#

125 21.9 8.2 12.2#





#89

Benzo(k)fluoranthene

Concen: 3.626 ng

RT: 14.992 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF135765.D

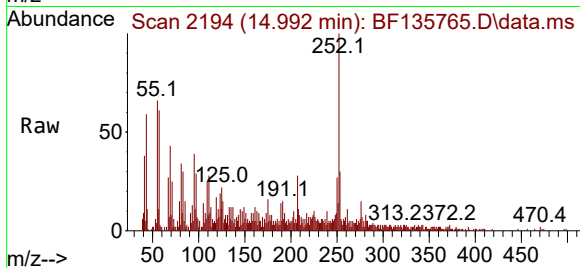
Acq: 13 Oct 2023 21:44

Instrument :

BNA_F

ClientSampleId :

SU-02-101023



Tgt Ion:252 Resp: 28615

Ion Ratio Lower Upper

252 100

253 29.7 17.4 26.0#

125 21.9 8.3 12.5#

