

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135899.D
 Acq On : 19 Oct 2023 21:53
 Operator : CG\JU
 Sample : 04817-01DL 5XRE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930DL

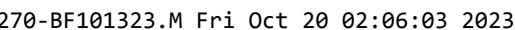
Quant Time: Oct 20 02:05:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

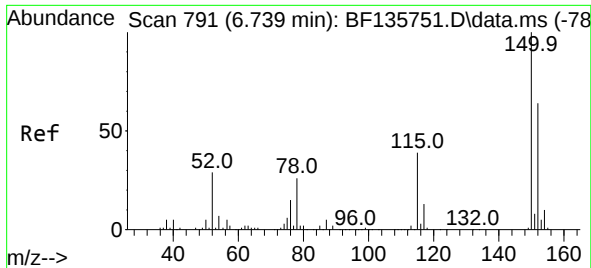
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	59947	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	208370	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	90295	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	151292	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	125519	20.000	ng	-0.02
86) Perylene-d12	15.409	264	63125	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	79428	21.302	ng	0.00
7) Phenol-d6	6.398	99	102850	22.107	ng	0.00
23) Nitrobenzene-d5	7.304	82	60093	15.862	ng	-0.01
42) 2,4,6-Tribromophenol	10.574	330	18232	21.042	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	102592	17.764	ng	-0.01
79) Terphenyl-d14	12.863	244	95773	14.130	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	7826	2.721	ng	# 75
25) Isophorone	7.304	82	60093	8.408	ng	# 66
51) 2,6-Dinitrotoluene	9.769	165	12671	9.667	ng	# 16
52) Acenaphthene	9.804	154	45719	9.246	ng	98
55) Dibenzofuran	9.980	168	73984	9.917	ng	96
56) 4-Nitrophenol	9.980	139	26160	38.585	ng	# 6
58) Fluorene	10.322	166	92760	15.882	ng	99
71) Phenanthrene	11.292	178	396278	54.677	ng	99
72) Anthracene	11.345	178	49899	6.644	ng	98
73) Carbazole	11.516	167	22876	3.266	ng	98
75) Fluoranthene	12.492	202	322950	40.148	ng	99
78) Pyrene	12.721	202	216182	21.674	ng	100
81) Benzo(a)anthracene	13.927	228	47996	5.822	ng	97
83) Chrysene	13.962	228	40938	5.127	ng	98
88) Benzo(b)fluoranthene	14.986	252	27349	7.741	ng	# 93
90) Benzo(a)pyrene	15.357	252	9279	2.793	ng	95

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

Quant Time: Oct 20 02:05:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
Response via : Initial Calibration

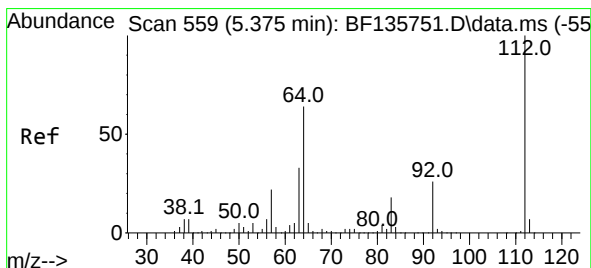
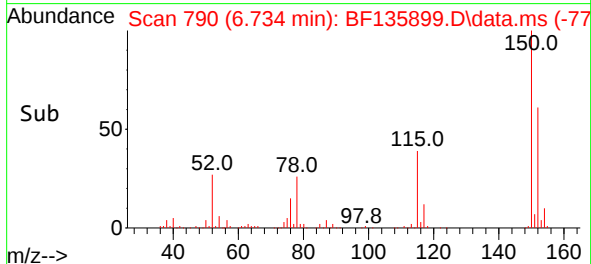
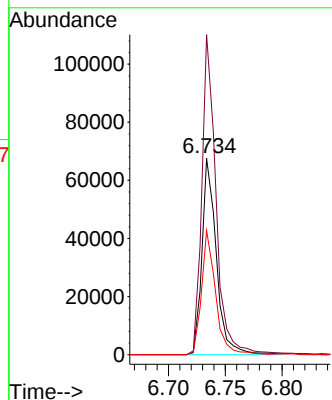
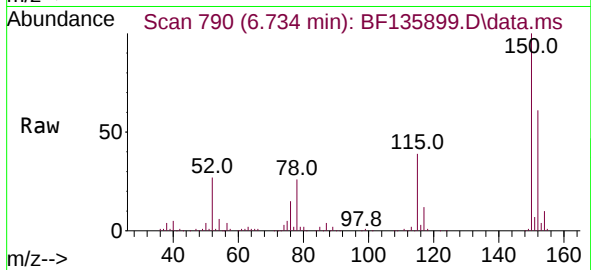




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 791
 Delta R.T. -0.012 min
 Lab File: BF135899.D
 Acq: 19 Oct 2023 21:53

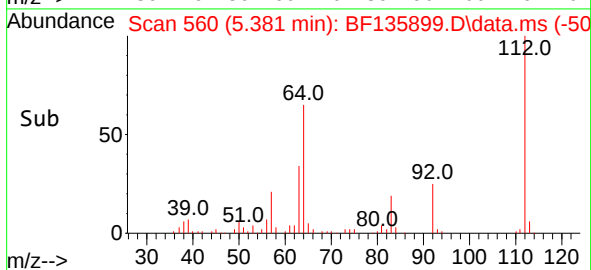
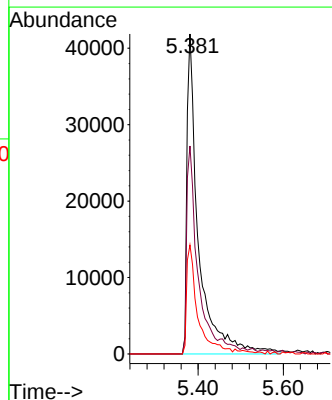
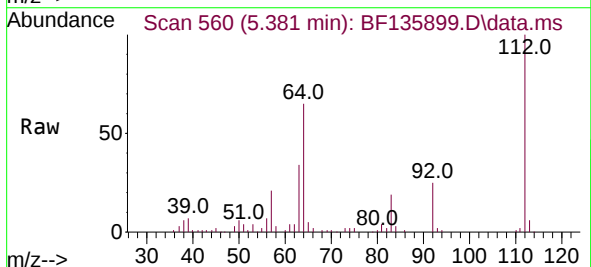
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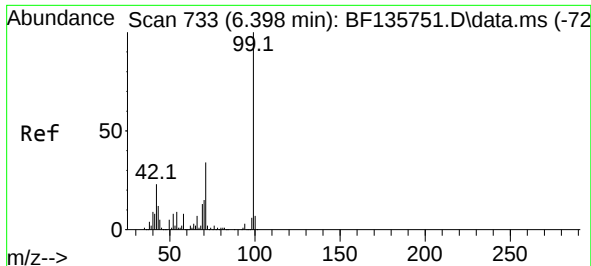
Tgt Ion:152 Resp: 59947
 Ion Ratio Lower Upper
 152 100
 150 163.0 124.5 186.7
 115 63.2 49.0 73.4



#5
 2-Fluorophenol
 Concen: 21.302 ng
 RT: 5.381 min Scan# 560
 Delta R.T. 0.006 min
 Lab File: BF135899.D
 Acq: 19 Oct 2023 21:53

Tgt Ion:112 Resp: 79428
 Ion Ratio Lower Upper
 112 100
 64 65.0 51.2 76.8
 63 34.1 26.1 39.1





#7
Phenol-d6
Concen: 22.107 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

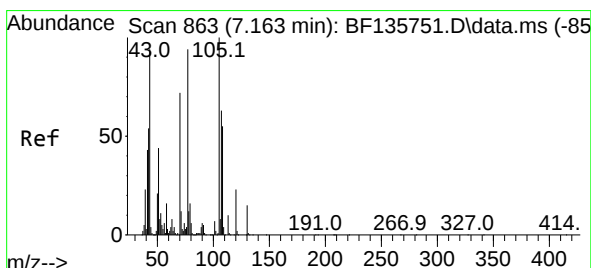
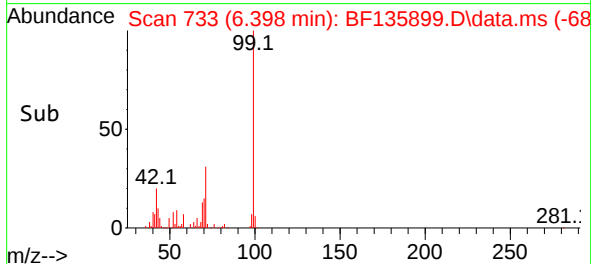
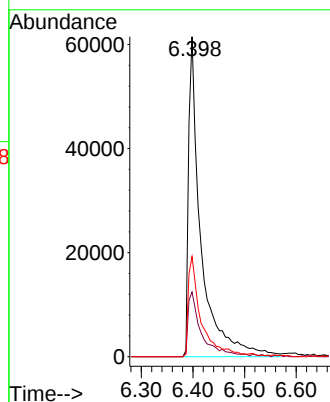
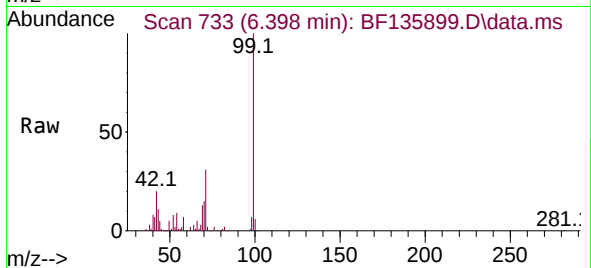
Instrument :

BNA_F

ClientSampleId :

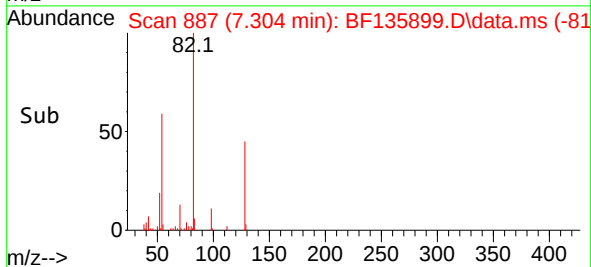
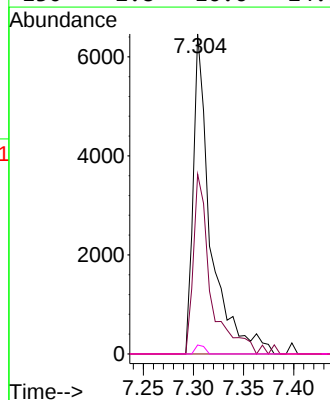
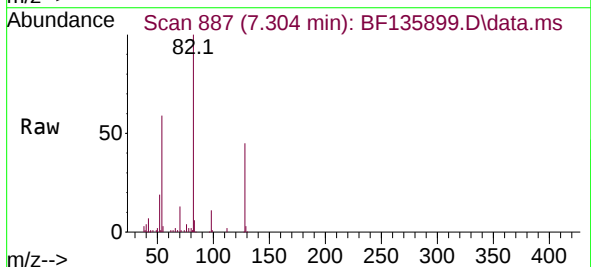
72-11930DL

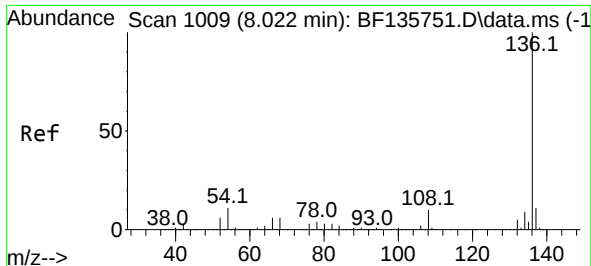
Tgt Ion: 99 Resp: 102850
Ion Ratio Lower Upper
99 100
42 20.2 18.4 27.6
71 31.3 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.721 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

Tgt Ion: 70 Resp: 7826
Ion Ratio Lower Upper
70 100
42 56.2 59.8 89.6#
101 0.0 7.4 11.2#
130 2.8 16.6 24.8#



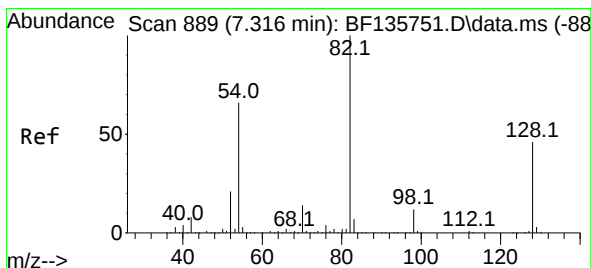
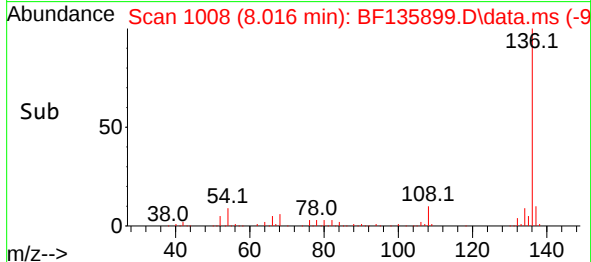
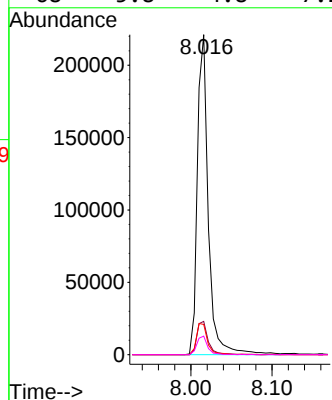
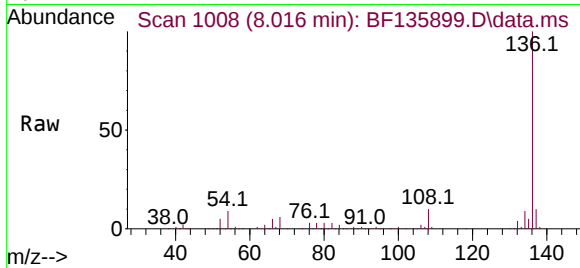


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

Instrument :
BNA_F
ClientSampleId :
72-11930DL

Tgt Ion:136 Resp: 208370

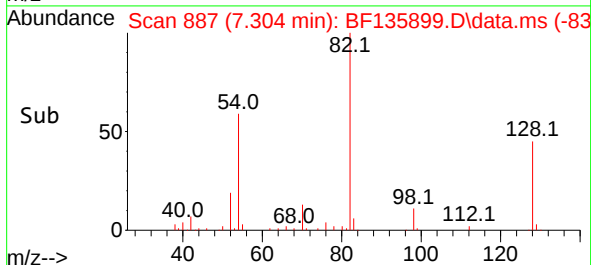
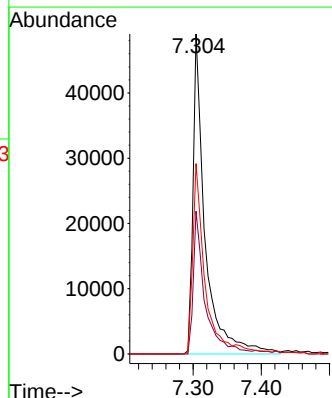
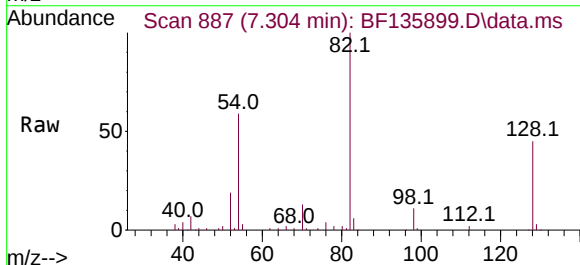
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	12.8
54	9.4	8.5	12.7
68	5.8	4.8	7.2

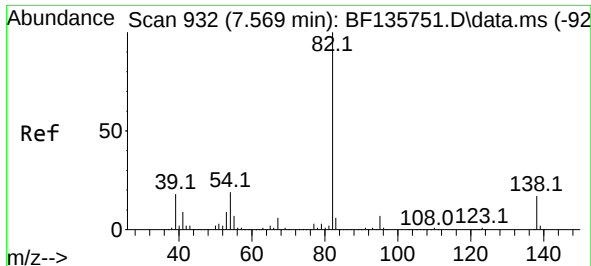


#23
Nitrobenzene-d5
Concen: 15.862 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

Tgt Ion: 82 Resp: 60093

Ion	Ratio	Lower	Upper
82	100		
128	44.6	37.0	55.6
54	59.5	52.8	79.2

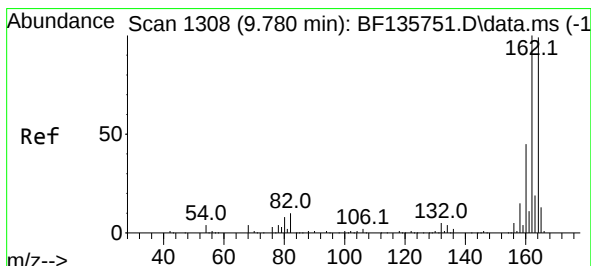
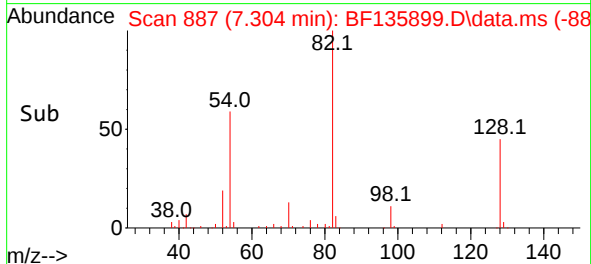
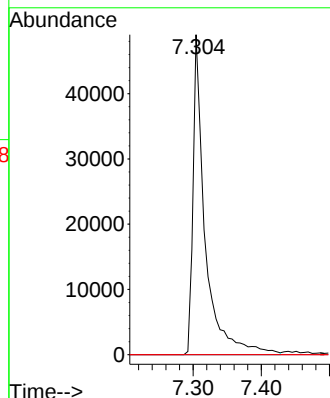
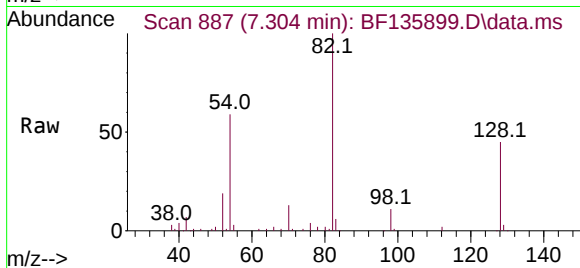




#25
Isophorone
Concen: 8.408 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

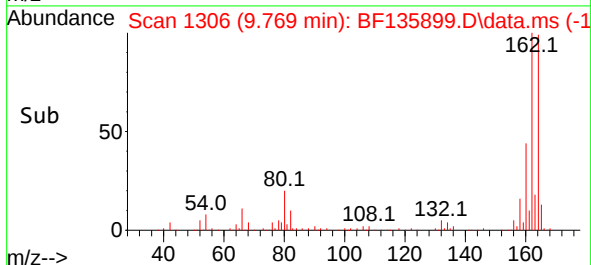
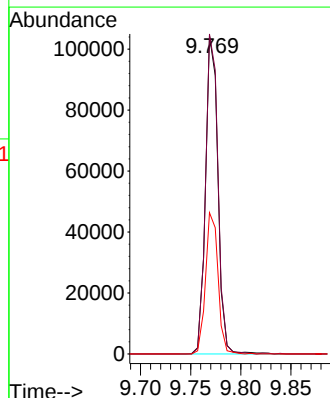
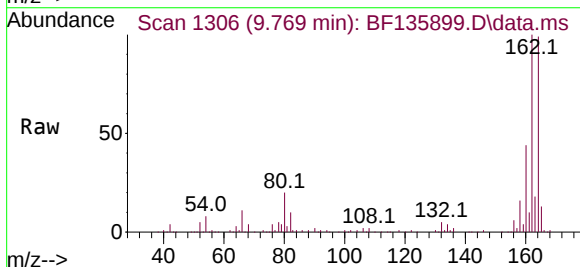
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ClientSampleId :
72-11930DL

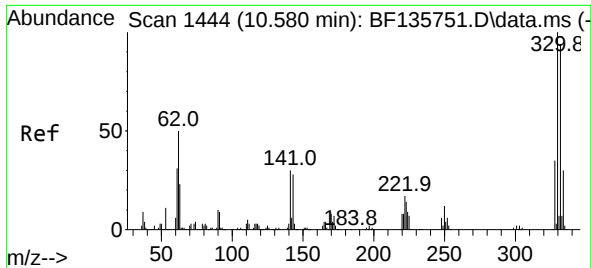
Tgt Ion: 82 Resp: 60093
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.018 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

Tgt Ion: 164 Resp: 90295
Ion Ratio Lower Upper
164 100
162 100.6 80.8 121.2
160 44.4 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 21.042 ng

RT: 10.574 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF135899.D

Acq: 19 Oct 2023 21:53

Instrument :

BNA_F

ClientSampleId :

72-11930DL

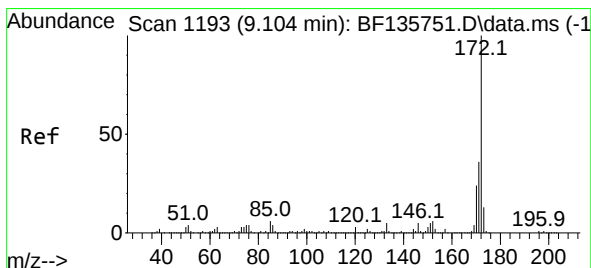
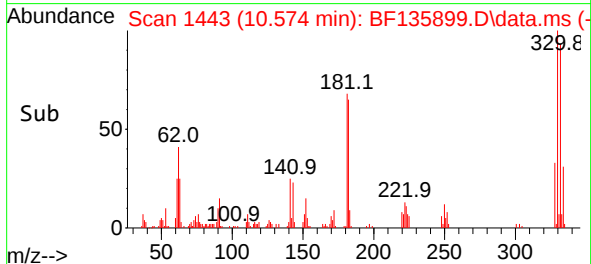
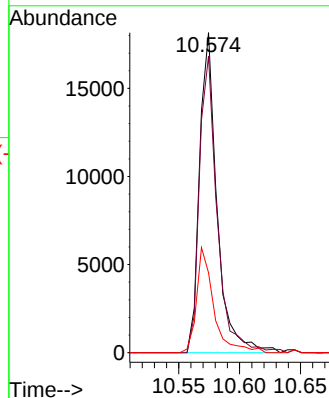
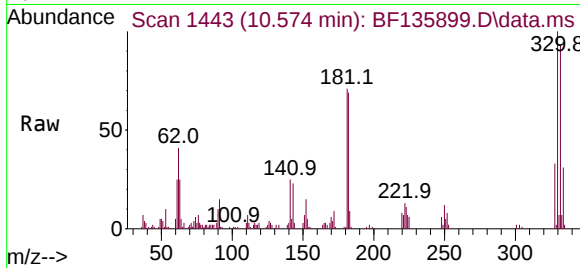
Tgt Ion:330 Resp: 18232

Ion Ratio Lower Upper

330 100

332 94.2 75.0 112.4

141 32.2 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 17.764 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135899.D

Acq: 19 Oct 2023 21:53

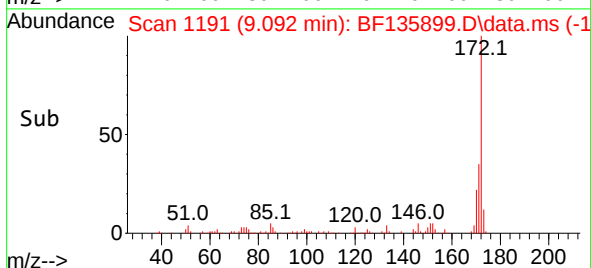
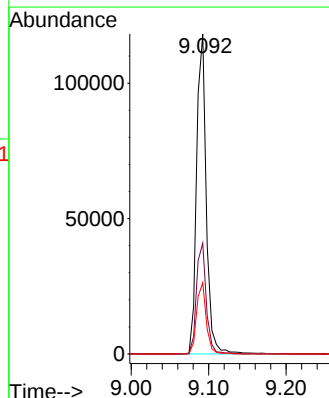
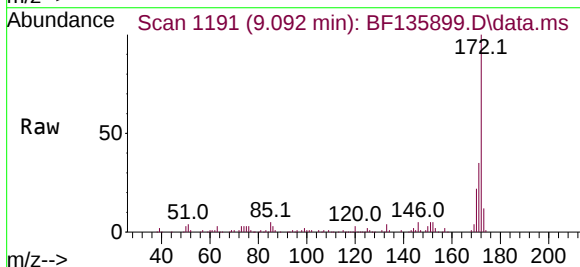
Tgt Ion:172 Resp: 102592

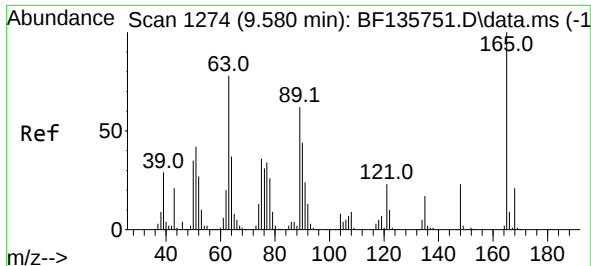
Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 22.3 18.8 28.2

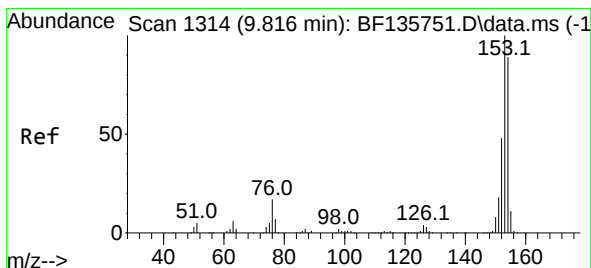
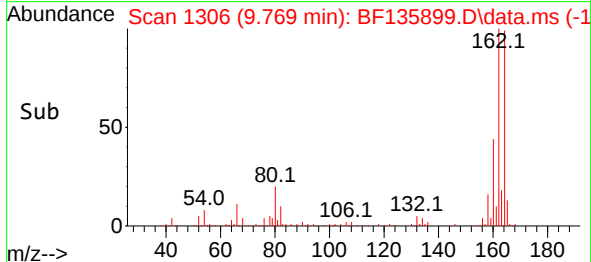
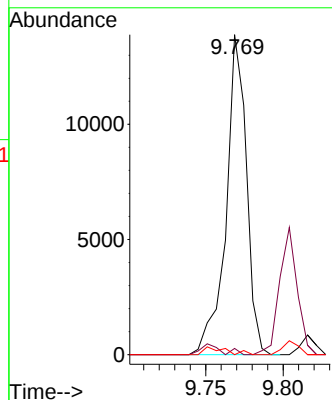
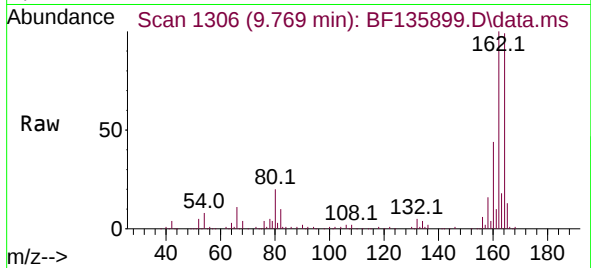




#51
2,6-Dinitrotoluene
Concen: 9.667 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.182 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

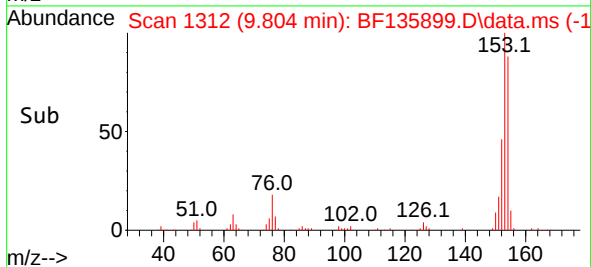
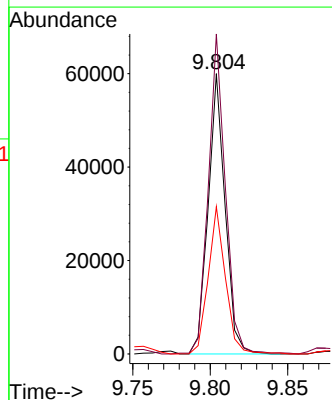
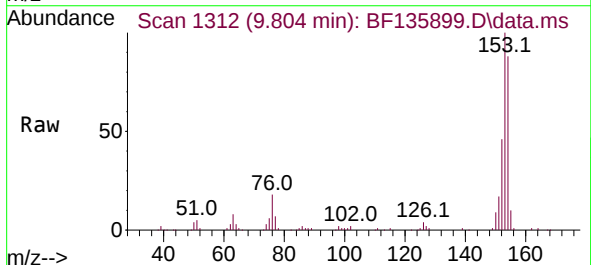
Instrument :
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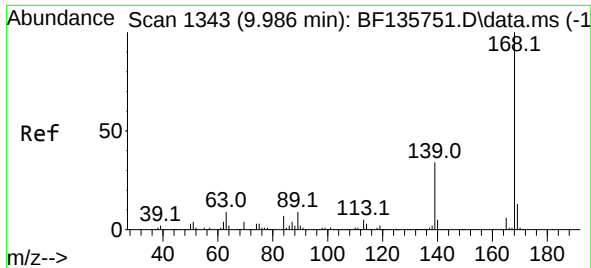
Tgt Ion:165 Resp: 12671
Ion Ratio Lower Upper
165 100
63 2.0 62.2 93.4#
89 0.0 49.6 74.4#



#52
Acenaphthene
Concen: 9.246 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

Tgt Ion:154 Resp: 45719
Ion Ratio Lower Upper
154 100
153 114.2 90.1 135.1
152 52.5 43.1 64.7

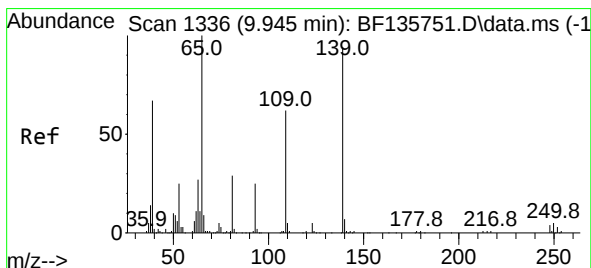
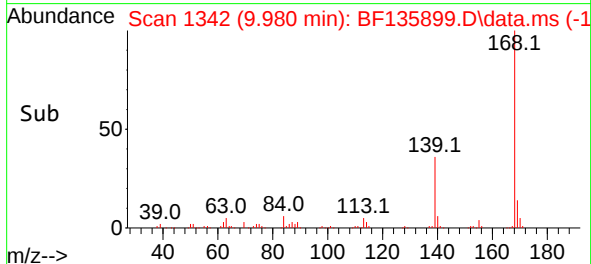
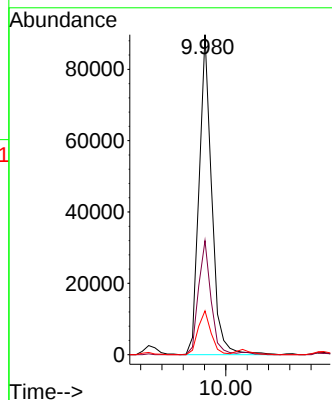
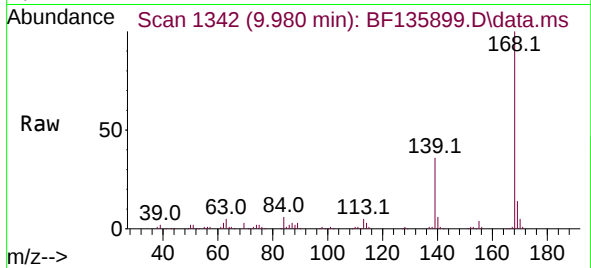




#55
Dibenzenofuran
Concen: 9.917 ng
RT: 9.980 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

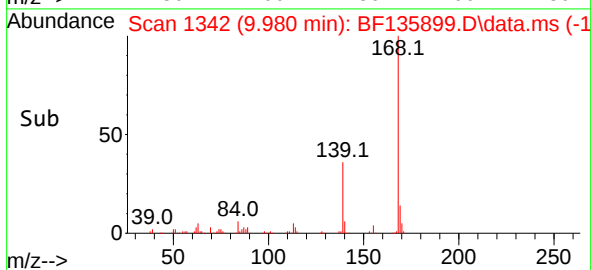
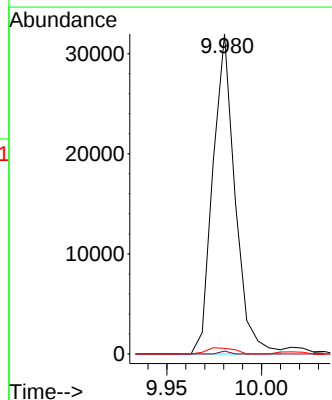
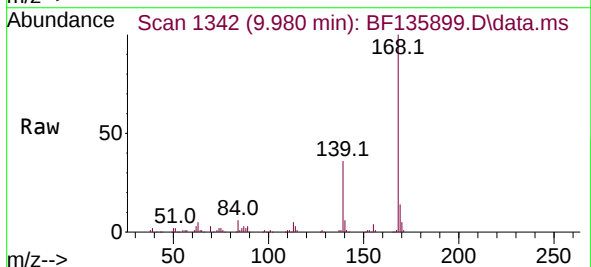
Instrument :
BNA_F
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72-11930DL

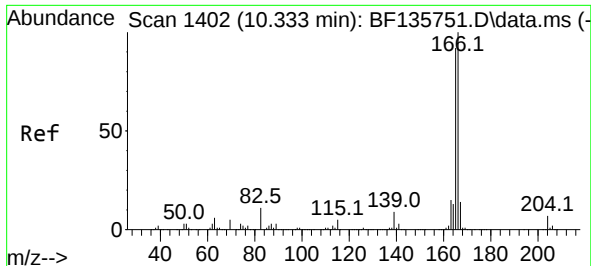
Tgt Ion:168 Resp: 73984
Ion Ratio Lower Upper
168 100
139 35.6 31.0 46.4
169 13.7 10.7 16.1



#56
4-Nitrophenol
Concen: 38.585 ng
RT: 9.980 min Scan# 1342
Delta R.T. 0.035 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

Tgt Ion:139 Resp: 26160
Ion Ratio Lower Upper
139 100
109 0.9 45.6 85.6#
65 1.7 87.5 127.5#

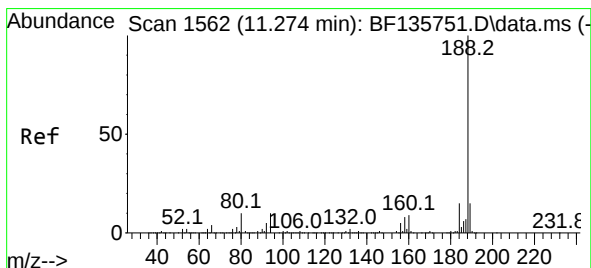
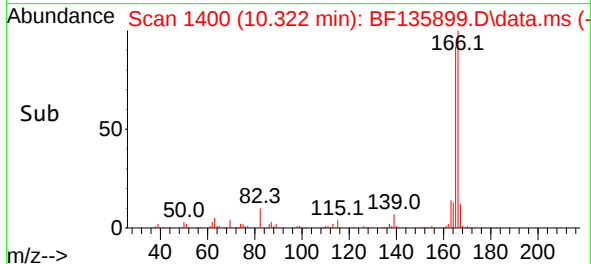
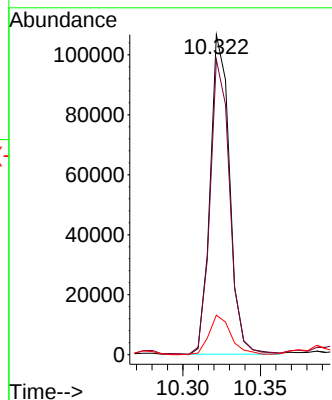
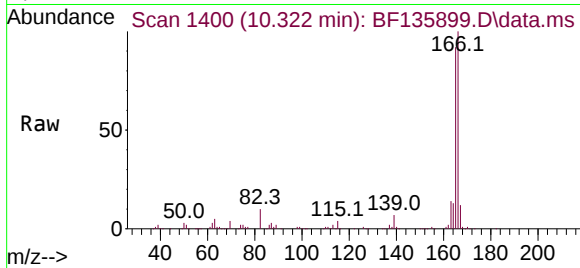




#58
Fluorene
Concen: 15.882 ng
RT: 10.322 min Scan# 1400
Delta R.T. -0.018 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

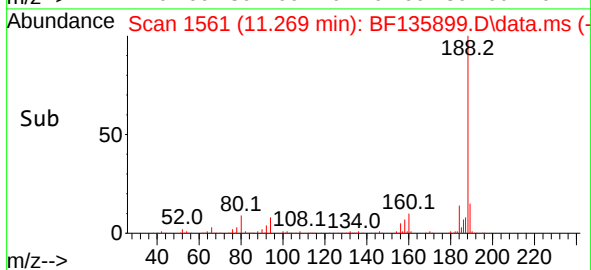
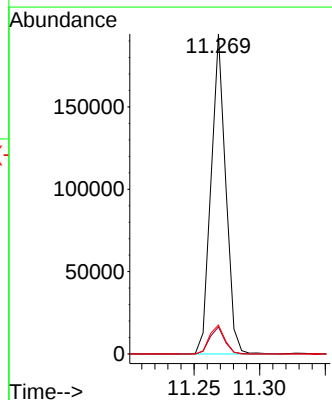
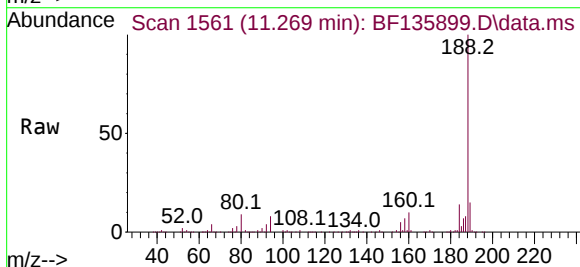
Instrument :
BNA_F
ClientSampleId :
72-11930DL

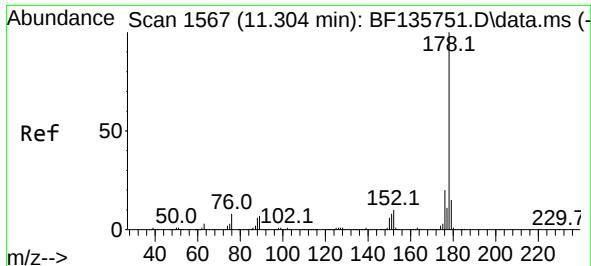
Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.2	73.4	110.0
167	12.4	11.0	16.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.0	12.0
80	9.0	8.3	12.5

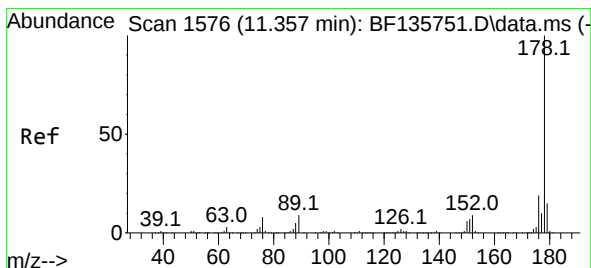
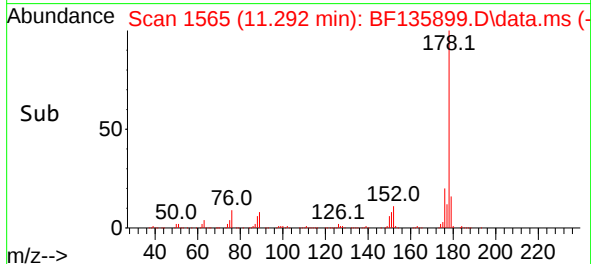
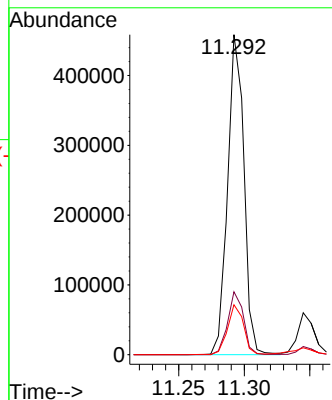
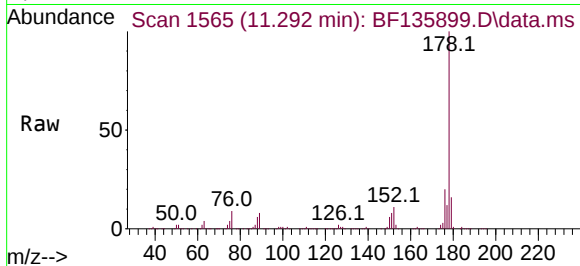




#71
Phenanthrene
Concen: 54.677 ng
RT: 11.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

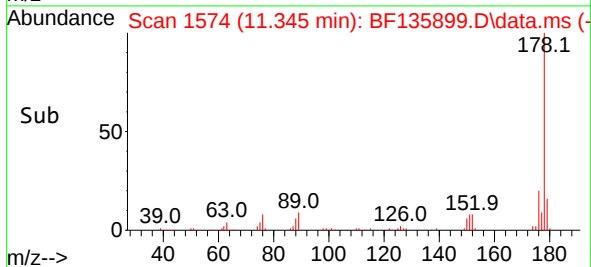
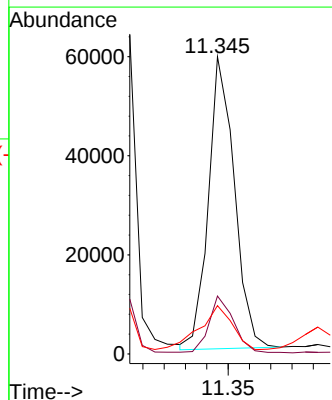
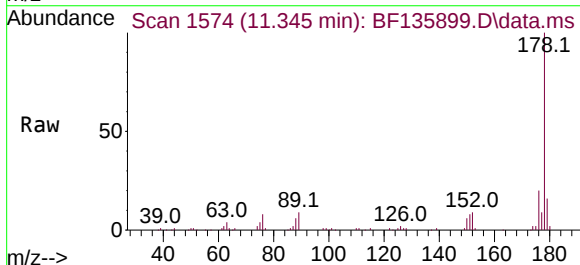
Instrument :
BNA_F
ClientSampleId :
72-11930DL

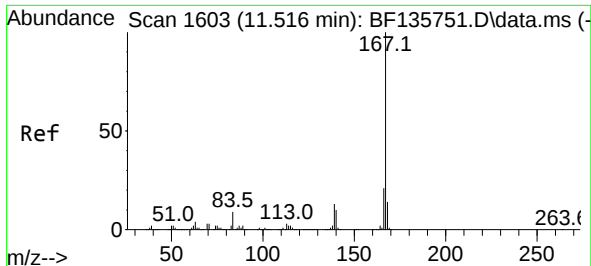
Tgt Ion:178 Resp: 396278
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.6 12.2 18.4



#72
Anthracene
Concen: 6.644 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

Tgt Ion:178 Resp: 49899
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 16.3 12.3 18.5

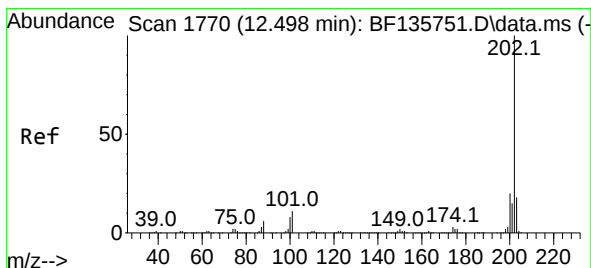
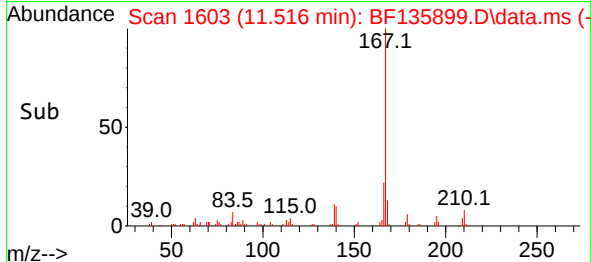
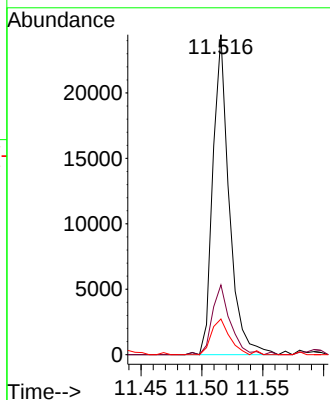
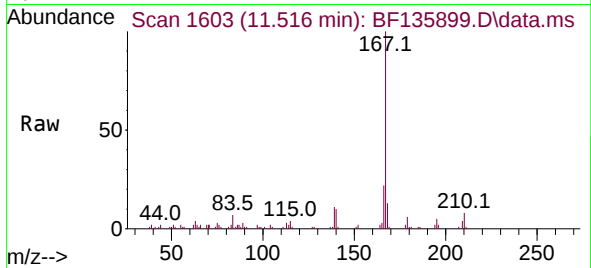




#73
 Carbazole
 Concen: 3.266 ng
 RT: 11.516 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF135899.D
 Acq: 19 Oct 2023 21:53

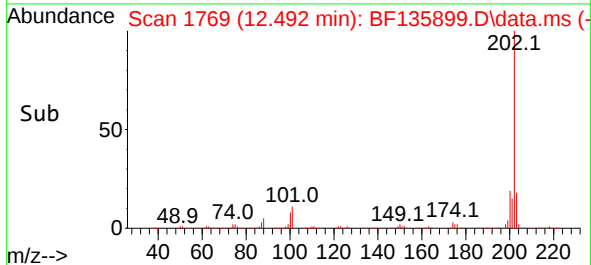
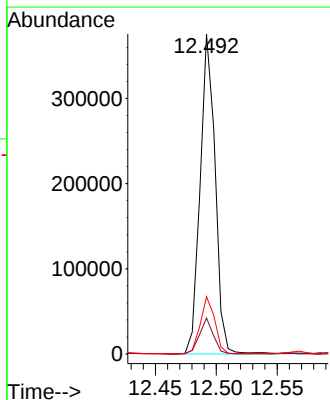
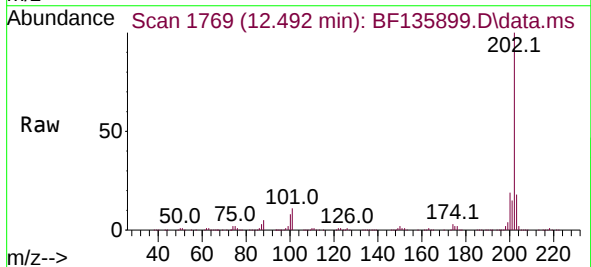
Instrument :
 BNA_F
 ClientSampleId :
 72-11930DL

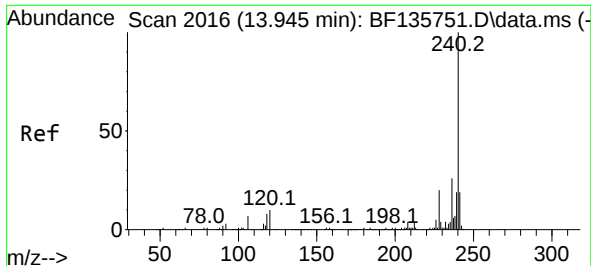
Tgt Ion:167	Resp:	22876
Ion Ratio	Lower	Upper
167	100	
166	21.8	17.1 25.7
139	11.1	10.2 15.4



#75
 Fluoranthene
 Concen: 40.148 ng
 RT: 12.492 min Scan# 1769
 Delta R.T. -0.012 min
 Lab File: BF135899.D
 Acq: 19 Oct 2023 21:53

Tgt Ion:202	Resp:	322950
Ion Ratio	Lower	Upper
202	100	
101	11.2	0.0 31.5
203	17.9	0.0 38.3

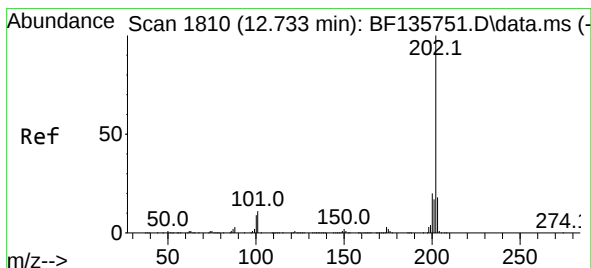
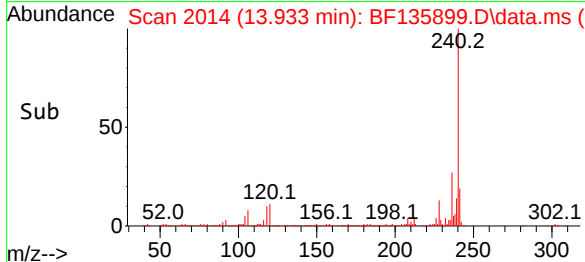
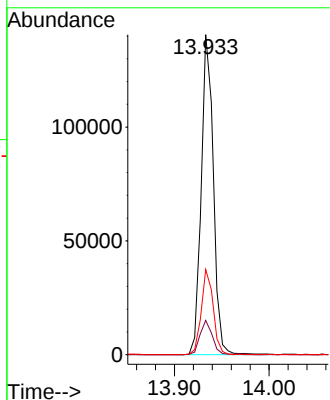
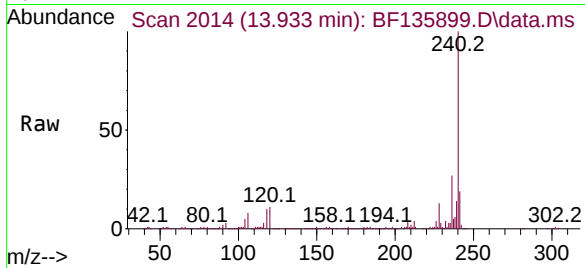




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2016
Delta R.T. -0.018 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

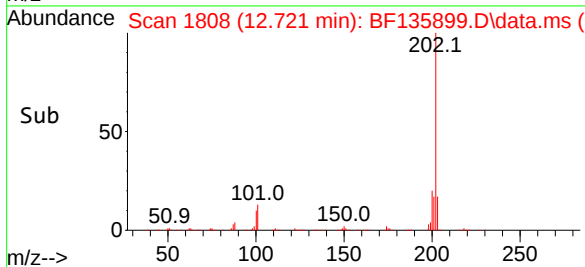
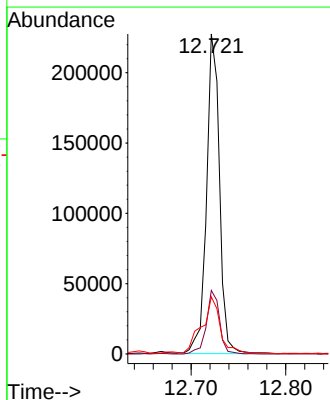
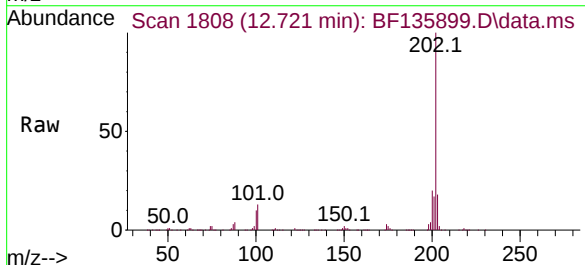
Instrument :
BNA_F
ClientSampleId :
72-11930DL

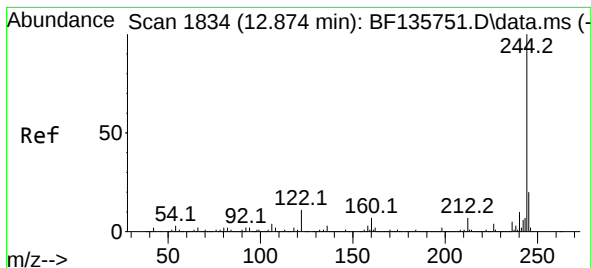
Tgt Ion:240 Resp: 125519
Ion Ratio Lower Upper
240 100
120 10.7 8.2 12.2
236 26.6 21.2 31.8



#78
Pyrene
Concen: 21.674 ng
RT: 12.721 min Scan# 1808
Delta R.T. -0.012 min
Lab File: BF135899.D
Acq: 19 Oct 2023 21:53

Tgt Ion:202 Resp: 216182
Ion Ratio Lower Upper
202 100
200 19.9 16.1 24.1
203 17.9 14.2 21.2





#79

Terphenyl-d14

Concen: 14.130 ng

RT: 12.863 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF135899.D

Acq: 19 Oct 2023 21:53

Instrument :

BNA_F

ClientSampleId :

72-11930DL

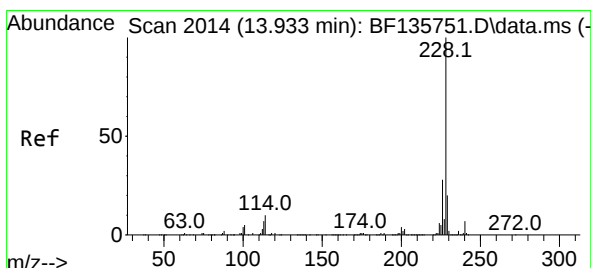
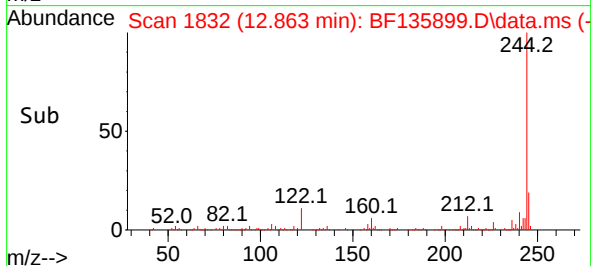
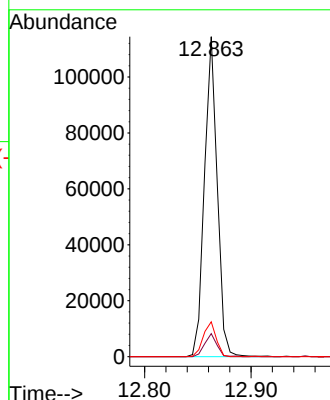
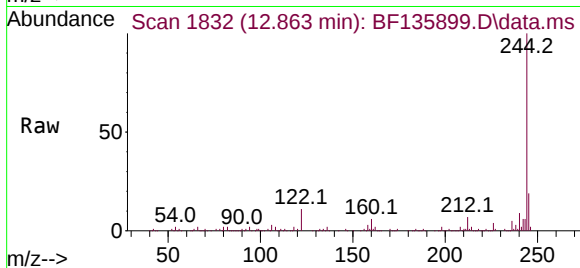
Tgt Ion:244 Resp: 95773

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

122 10.9 9.0 13.6



#81

Benzo(a)anthracene

Concen: 5.822 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.012 min

Lab File: BF135899.D

Acq: 19 Oct 2023 21:53

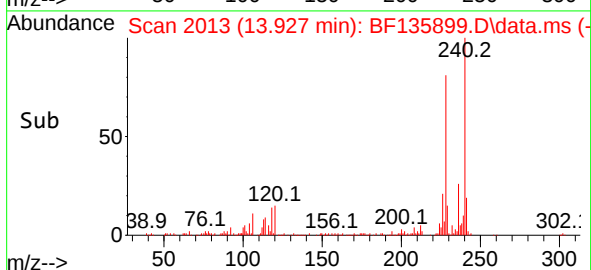
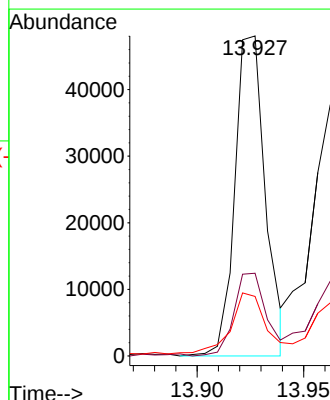
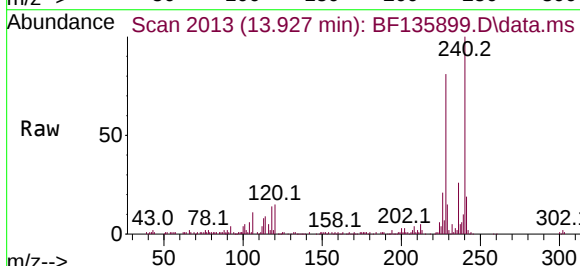
Tgt Ion:228 Resp: 47996

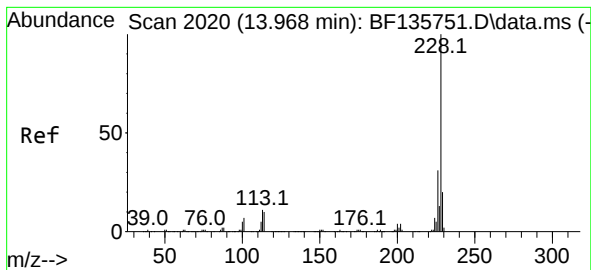
Ion Ratio Lower Upper

228 100

226 25.9 22.2 33.2

229 18.6 16.1 24.1





#83

Chrysene

Concen: 5.127 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135899.D

Acq: 19 Oct 2023 21:53

Instrument :

BNA_F

ClientSampleId :

72-11930DL

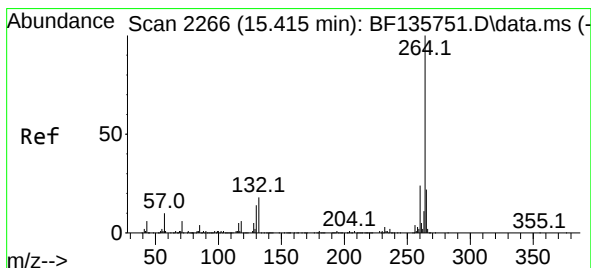
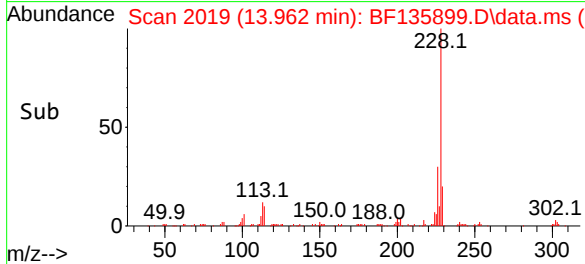
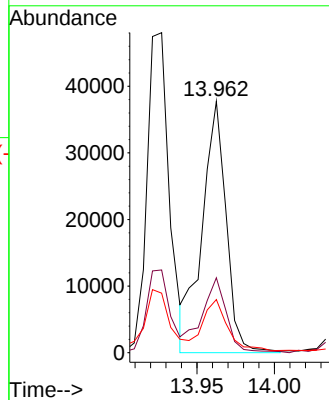
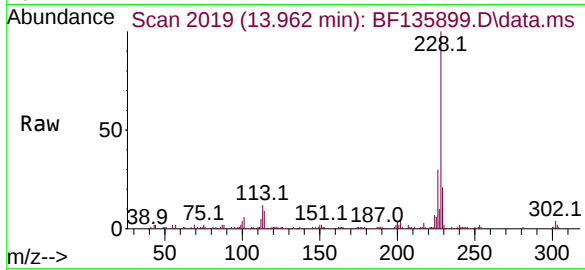
Tgt Ion:228 Resp: 40938

Ion Ratio Lower Upper

228 100

226 29.8 24.4 36.6

229 21.1 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 2265

Delta R.T. -0.012 min

Lab File: BF135899.D

Acq: 19 Oct 2023 21:53

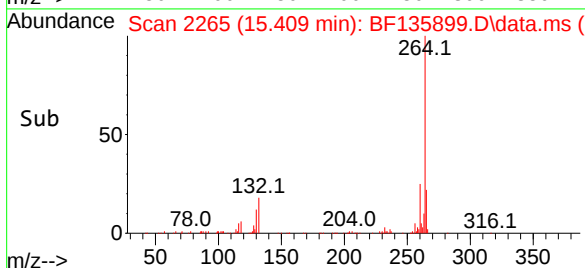
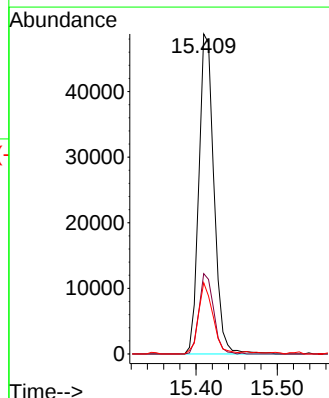
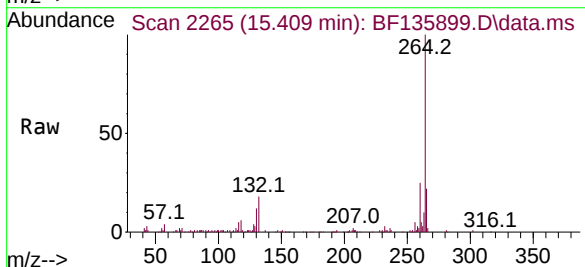
Tgt Ion:264 Resp: 63125

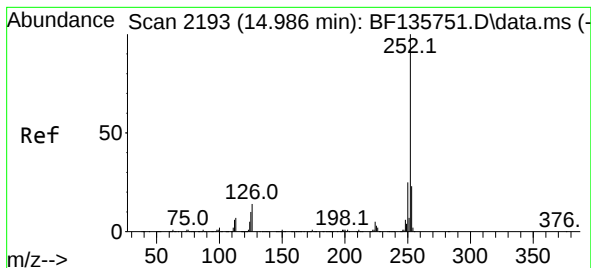
Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

265 22.3 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 7.741 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF135899.D

Acq: 19 Oct 2023 21:53

Instrument :

BNA_F

ClientSampleId :

72-11930DL

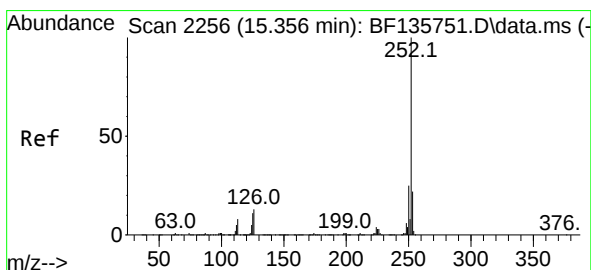
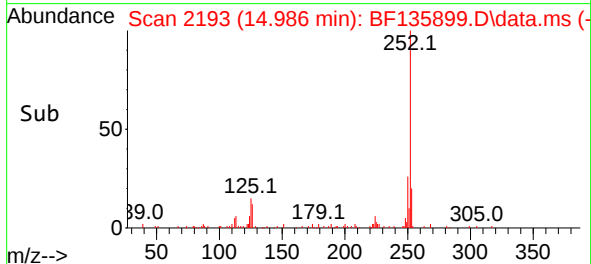
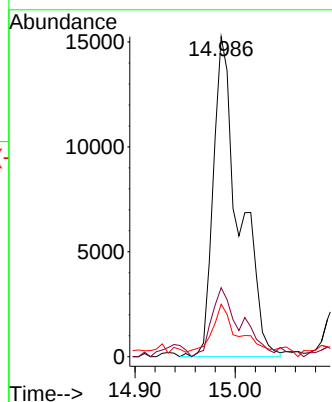
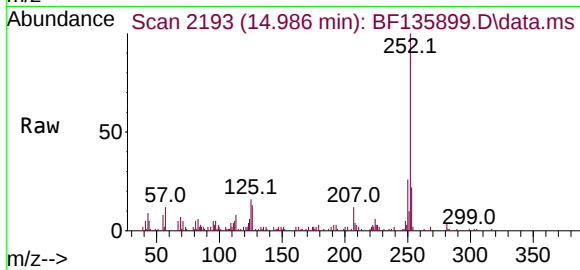
Tgt Ion:252 Resp: 27349

Ion Ratio Lower Upper

252 100

253 21.6 18.2 27.2

125 16.4 8.2 12.2#



#90

Benzo(a)pyrene

Concen: 2.793 ng

RT: 15.357 min Scan# 2256

Delta R.T. -0.006 min

Lab File: BF135899.D

Acq: 19 Oct 2023 21:53

Tgt Ion:252 Resp: 9279

Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.2

125 12.0 8.8 13.2

