

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101624\
 Data File : BF139831.D
 Acq On : 16 Oct 2024 16:09
 Operator : RC/JU
 Sample : P4410-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-101524

Quant Time: Oct 16 16:36:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 16:41:54 2024
 Response via : Initial Calibration

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

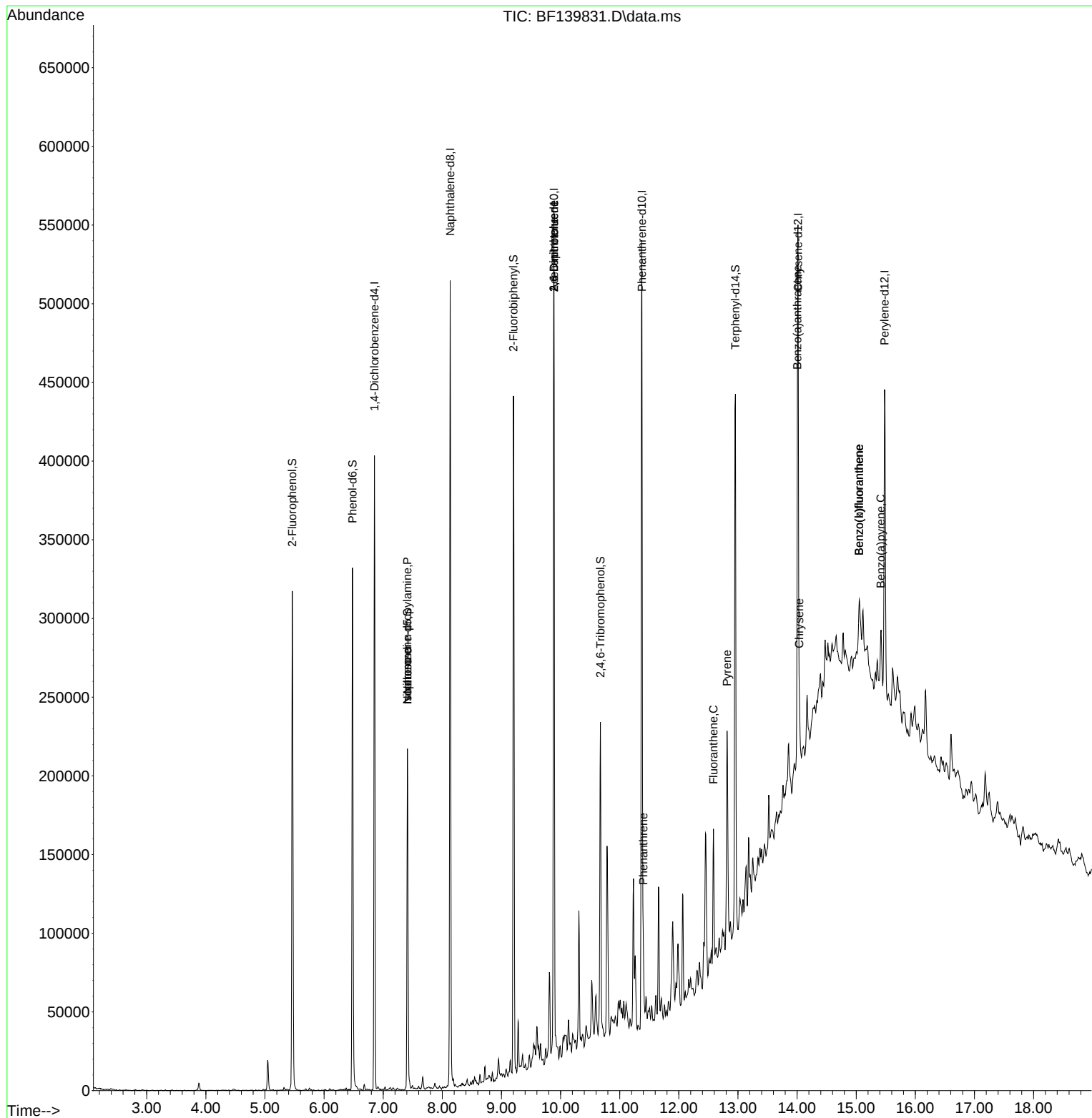
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	80726	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	298825	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	153213	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	261292	20.000	ng	0.00
76) Chrysene-d12	14.015	240	155423	20.000	ng	0.00
86) Perylene-d12	15.480	264	110241	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	113696	23.764	ng	-0.01
7) Phenol-d6	6.481	99	147823	23.232	ng	-0.01
23) Nitrobenzene-d5	7.410	82	92105	15.864	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	30032	23.241	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	185609	18.119	ng	0.00
79) Terphenyl-d14	12.957	244	169507	12.781	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	11868	3.203	ng	# 79
25) Isophorone	7.410	82	92103	9.296	ng	# 67
51) 2,6-Dinitrotoluene	9.886	165	21234	9.923	ng	# 22
57) 2,4-Dinitrotoluene	9.886	165	21234	8.038	ng	# 19
71) Phenanthrene	11.398	178	28009	2.244	ng	98
75) Fluoranthene	12.586	202	46104	3.915	ng	97
78) Pyrene	12.816	202	66821	4.373	ng	98
81) Benzo(a)anthracene	14.004	228	26453	2.562	ng	# 88
83) Chrysene	14.039	228	22703	2.413	ng	# 91
88) Benzo(b)fluoranthene	15.051	252	25279	3.998	ng	# 70
89) Benzo(k)fluoranthene	15.051	252	25279	4.505	ng	# 71
90) Benzo(a)pyrene	15.415	252	15292	2.769	ng	# 76

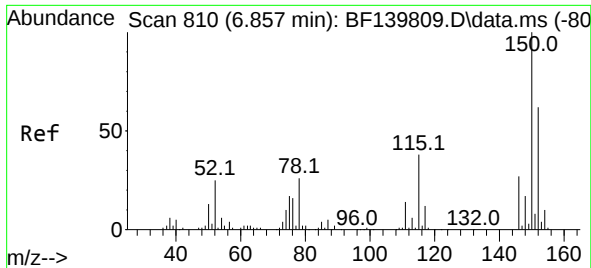
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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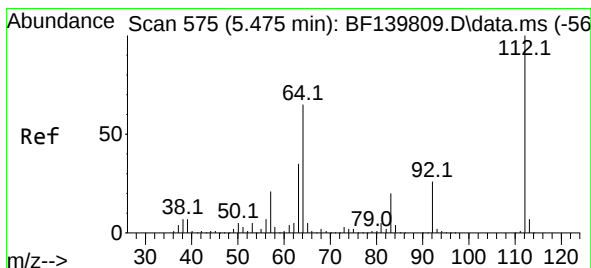
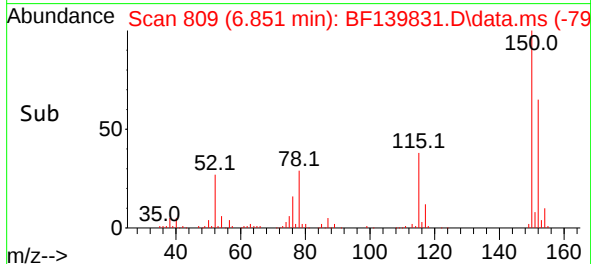
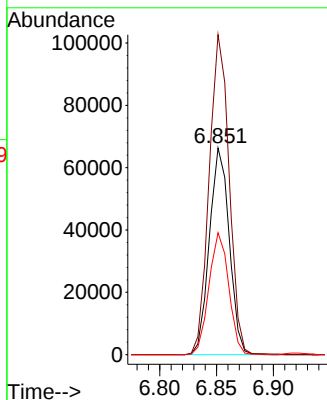
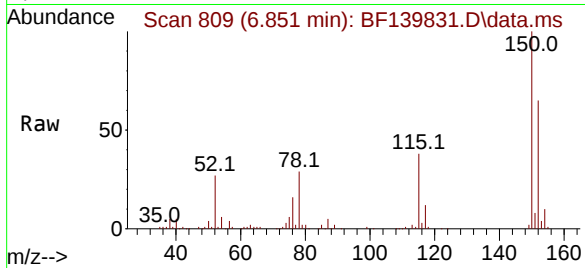




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF139831.D
 Acq: 16 Oct 2024 16:09

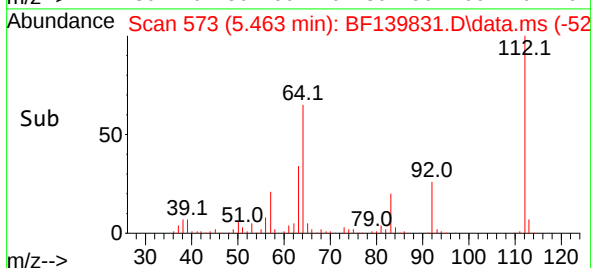
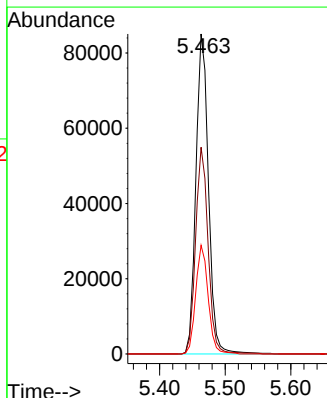
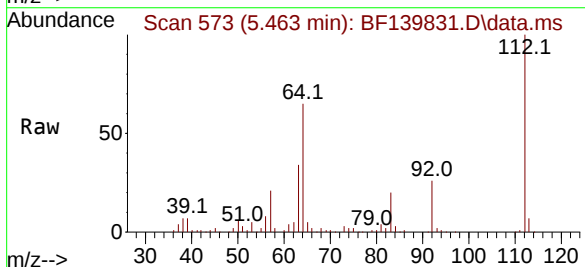
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-101524

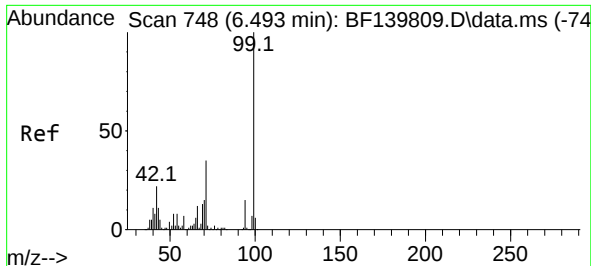
Tgt Ion:152 Resp: 80726
 Ion Ratio Lower Upper
 152 100
 150 154.8 128.2 192.2
 115 59.0 48.1 72.1



#5
 2-Fluorophenol
 Concen: 23.764 ng
 RT: 5.463 min Scan# 573
 Delta R.T. -0.012 min
 Lab File: BF139831.D
 Acq: 16 Oct 2024 16:09

Tgt Ion:112 Resp: 113696
 Ion Ratio Lower Upper
 112 100
 64 64.6 52.1 78.1
 63 33.9 27.6 41.4

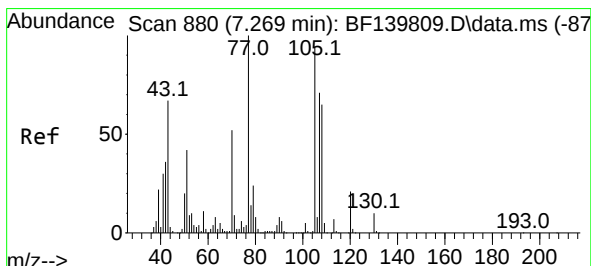
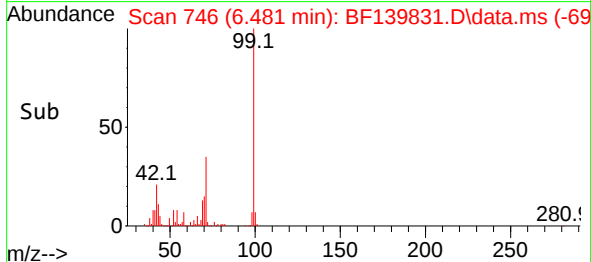
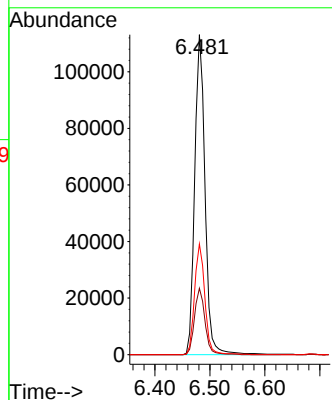
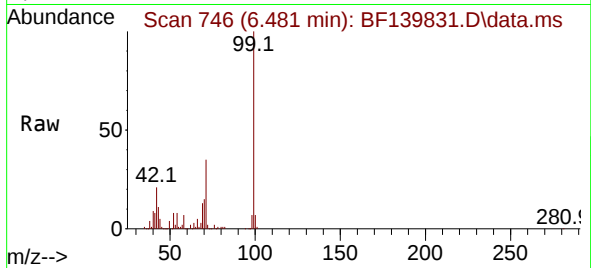




#7
Phenol-d6
Concen: 23.232 ng
RT: 6.481 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

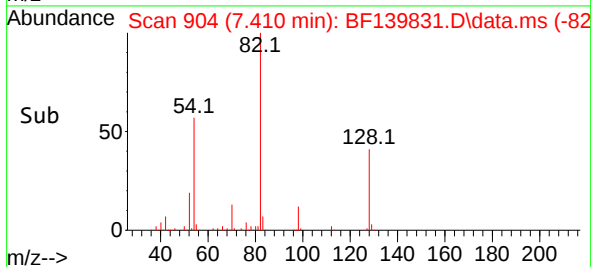
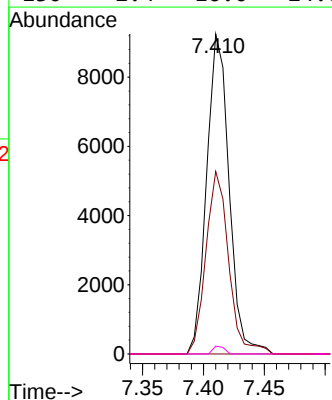
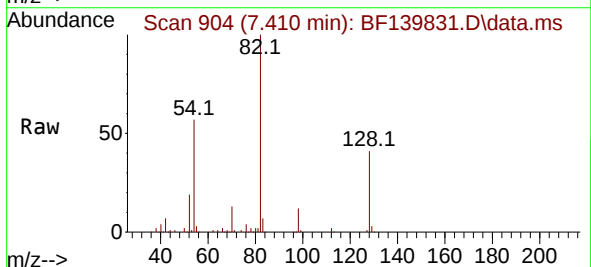
Instrument :
BNA_F
ClientSampleId :
TR-04-101524

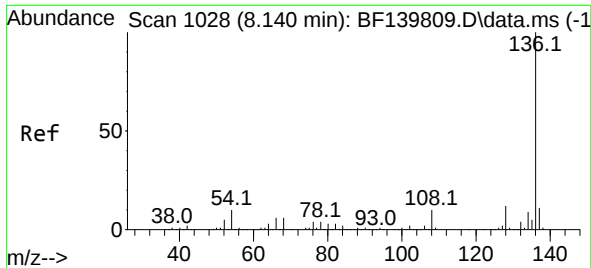
Tgt Ion: 99 Resp: 147823
Ion Ratio Lower Upper
99 100
42 20.8 17.3 25.9
71 34.6 27.8 41.6



#19
n-Nitroso-di-n-propylamine
Concen: 3.203 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.141 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Tgt Ion: 70 Resp: 11868
Ion Ratio Lower Upper
70 100
42 57.1 55.8 83.6
101 0.0 7.4 11.0#
130 2.4 16.0 24.0#

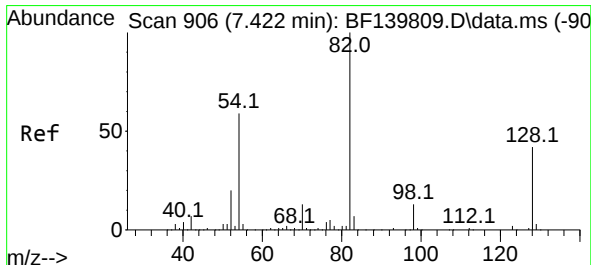
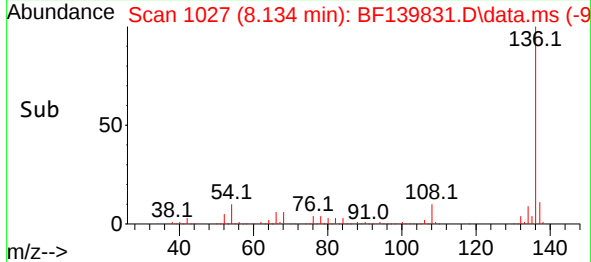
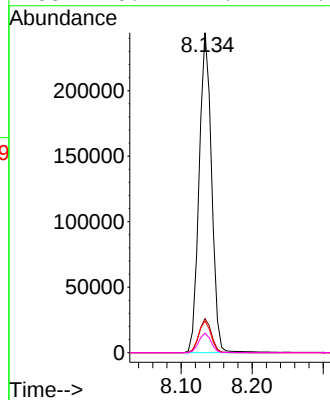
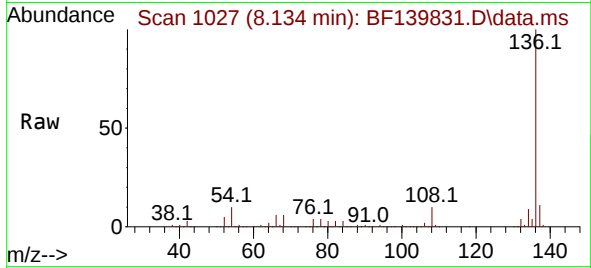




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

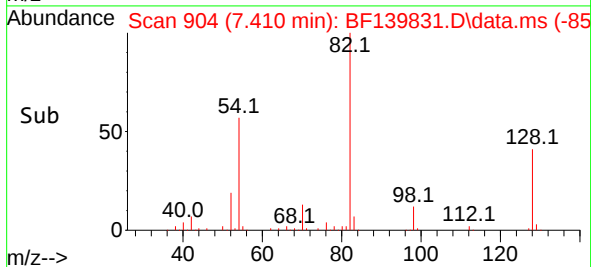
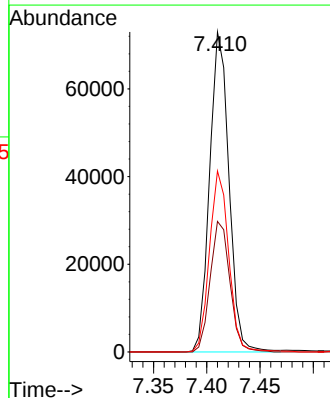
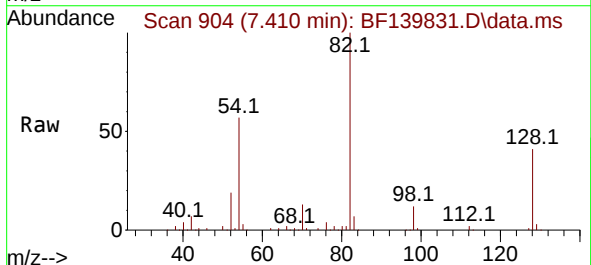
Instrument :
BNA_F
ClientSampleId :
TR-04-101524

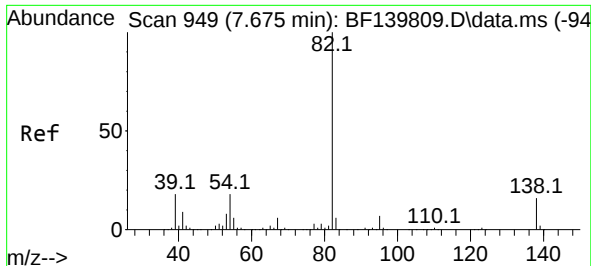
Tgt Ion:	136	Resp:	298825
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	9.9	7.7	11.5
68	6.1	4.9	7.3



#23
Nitrobenzene-d5
Concen: 15.864 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Tgt Ion:	82	Resp:	92105
Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.9	50.9
54	56.6	46.9	70.3

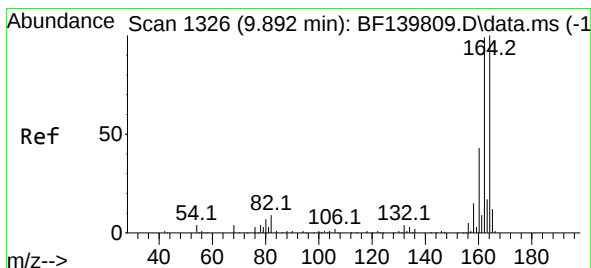
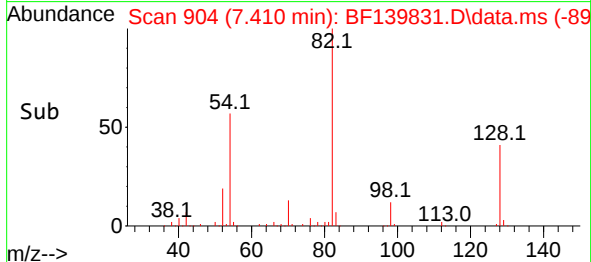
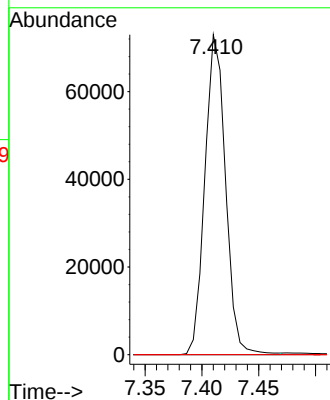
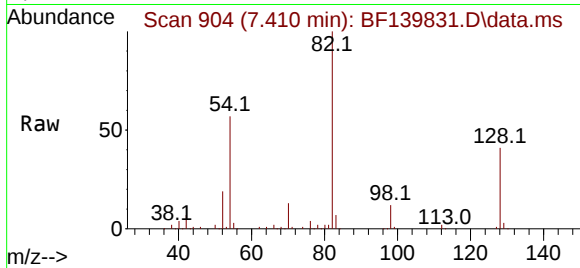




#25
Isophorone
Concen: 9.296 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

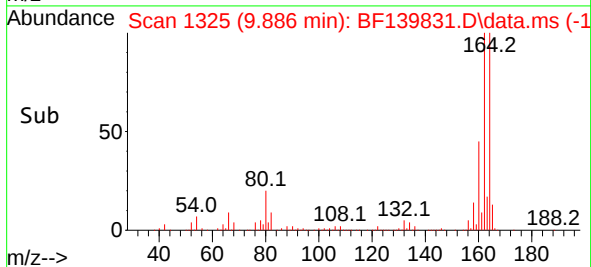
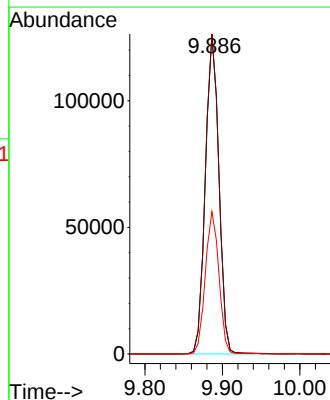
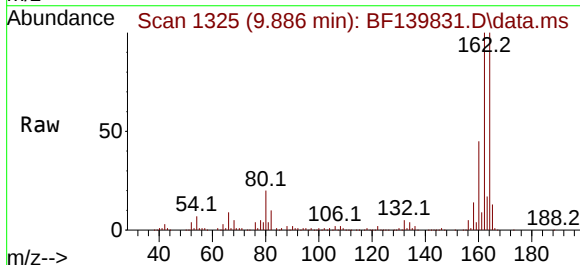
Instrument :
BNA_F
ClientSampleId :
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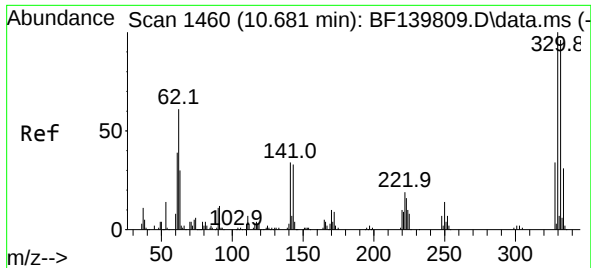
Tgt Ion: 82 Resp: 92103
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Tgt Ion:164 Resp: 153213
Ion Ratio Lower Upper
164 100
162 100.2 79.1 118.7
160 44.6 34.4 51.6

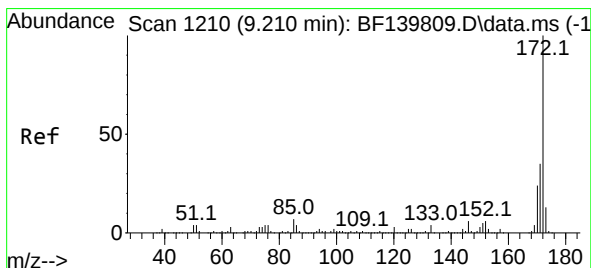
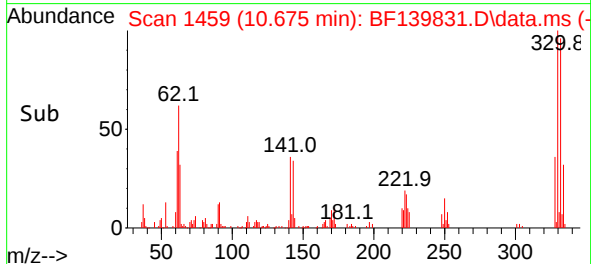
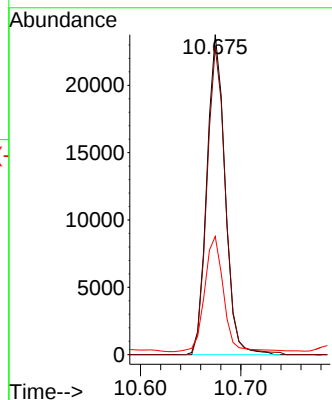
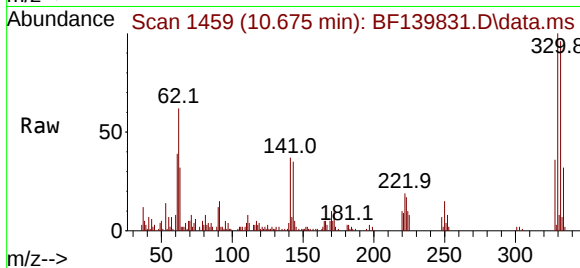




#42
2,4,6-Tribromophenol
Concen: 23.241 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

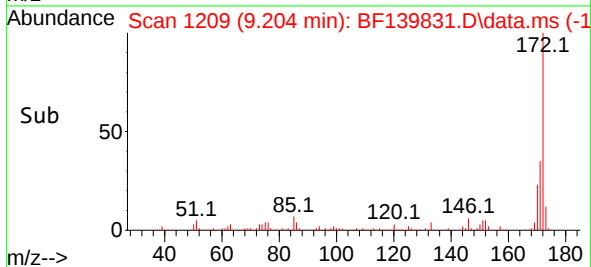
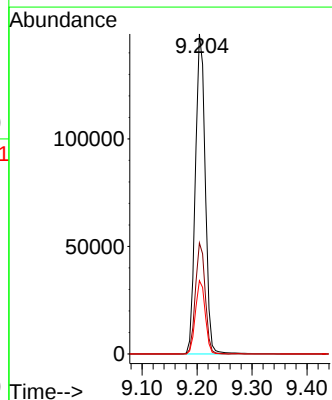
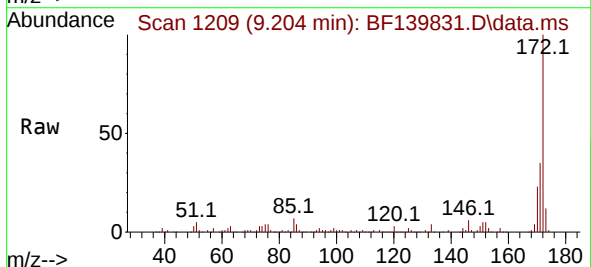
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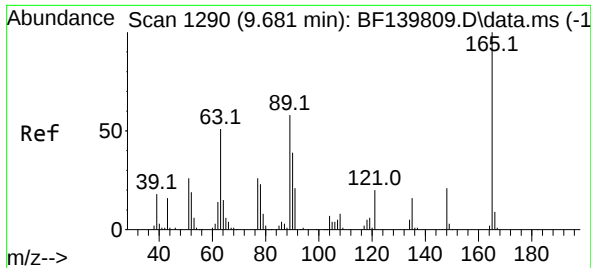
Tgt Ion:330 Resp: 30032
Ion Ratio Lower Upper
330 100
332 97.6 76.6 114.8
141 38.5 27.8 41.6



#45
2-Fluorobiphenyl
Concen: 18.119 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Tgt Ion:172 Resp: 185609
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 22.9 18.9 28.3

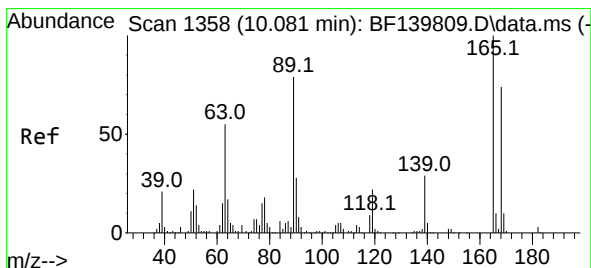
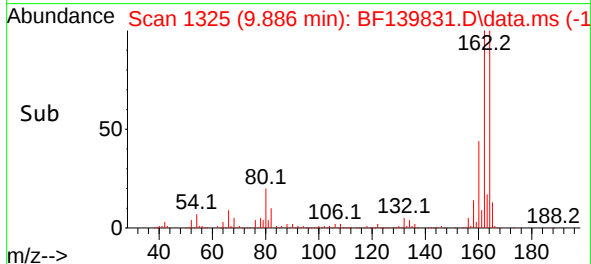
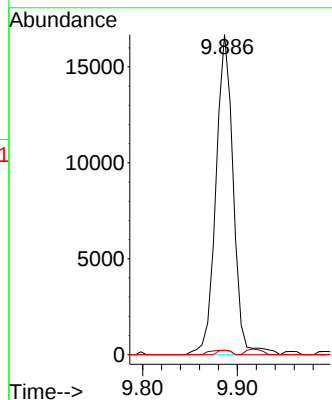
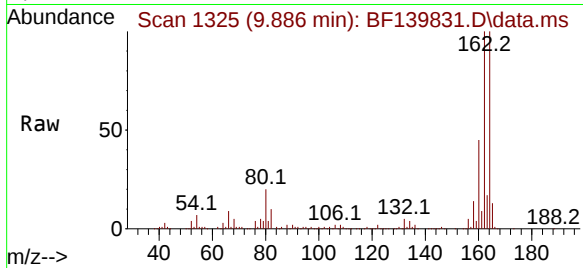




#51
2,6-Dinitrotoluene
Concen: 9.923 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

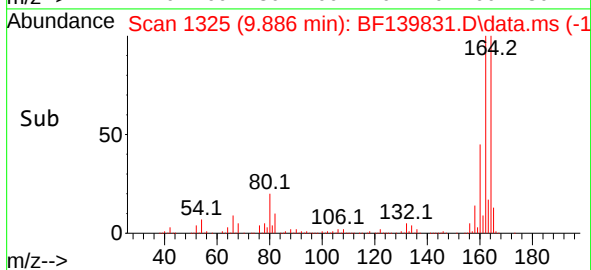
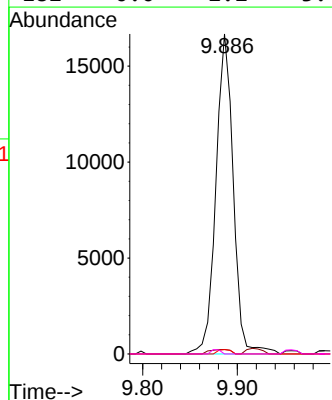
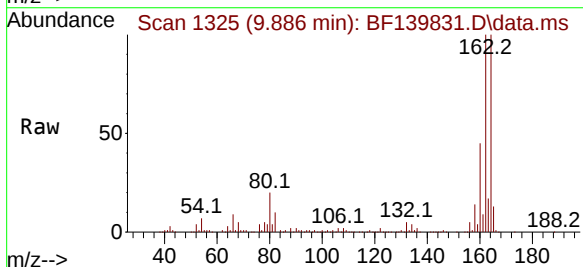
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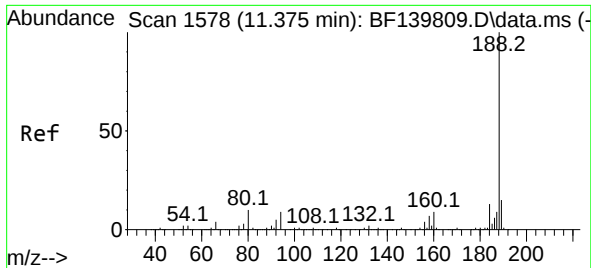
Tgt Ion:165 Resp: 21234
Ion Ratio Lower Upper
165 100
63 1.4 50.0 75.0#
89 1.4 46.8 70.2#



#57
2,4-Dinitrotoluene
Concen: 8.038 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.195 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Tgt Ion:165 Resp: 21234
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 1.4 63.1 94.7#
182 0.0 2.2 3.4#

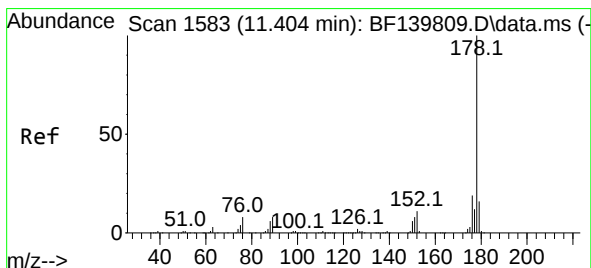
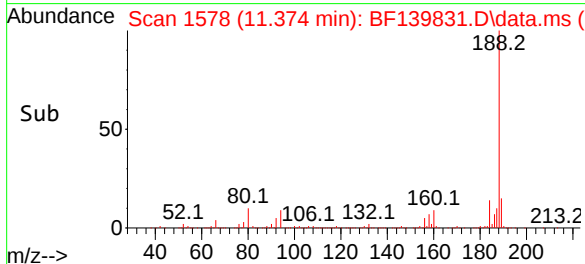
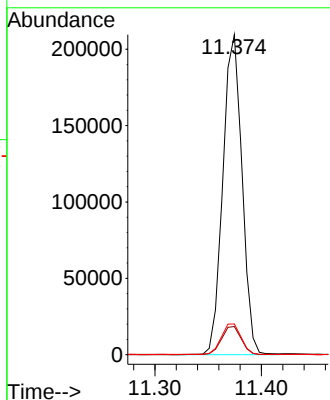
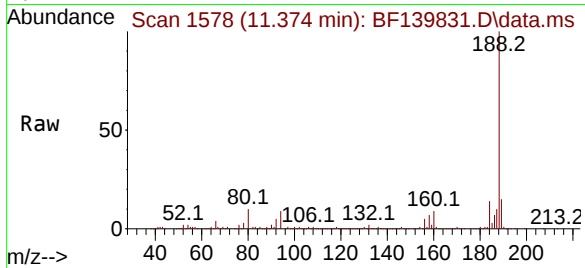




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

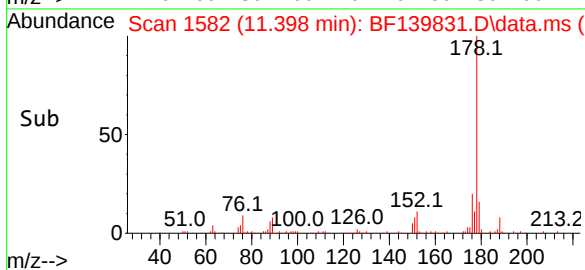
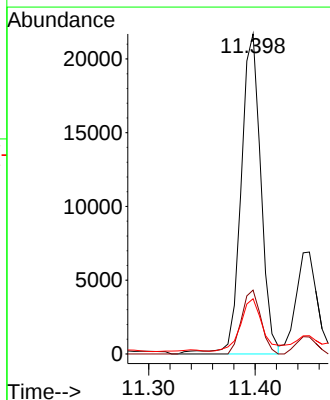
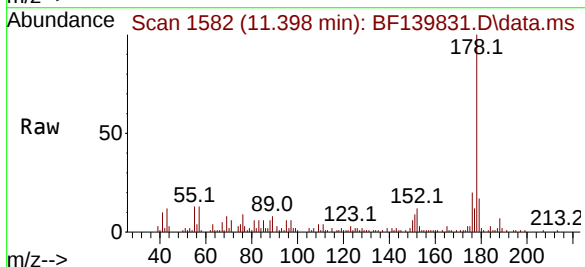
Instrument :
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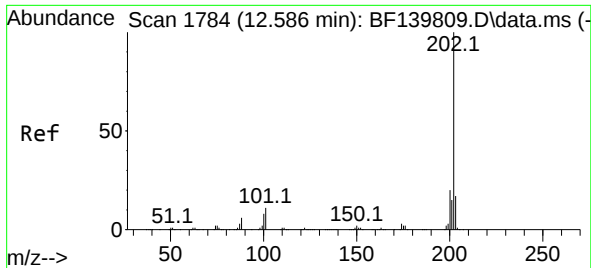
Tgt Ion:188 Resp: 261292
Ion Ratio Lower Upper
188 100
94 8.8 7.3 10.9
80 9.6 7.8 11.8



#71
Phenanthrene
Concen: 2.244 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Tgt Ion:178 Resp: 28009
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 17.3 12.5 18.7

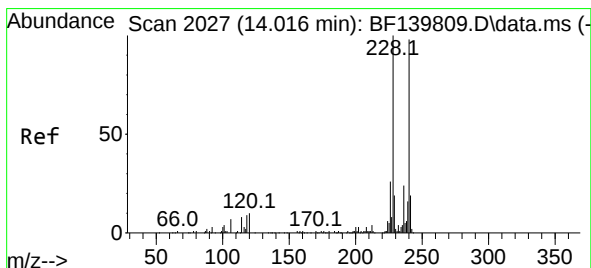
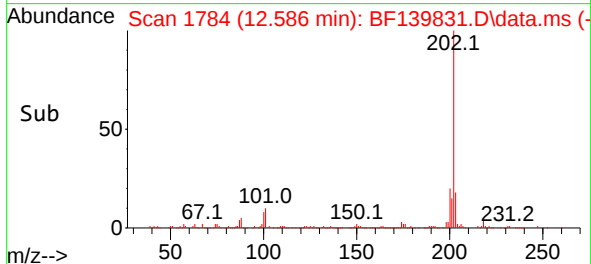
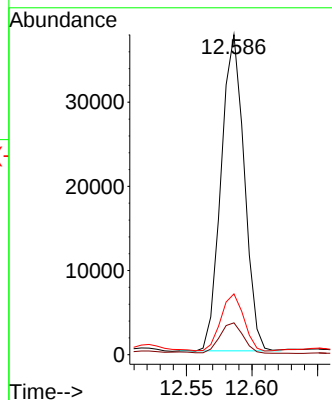
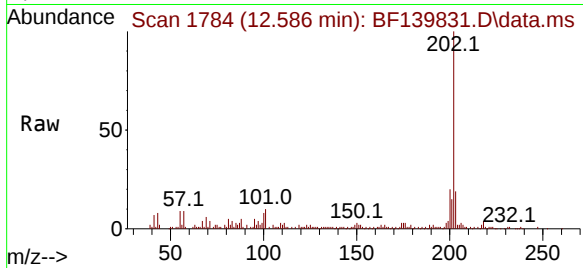




#75
Fluoranthene
Concen: 3.915 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

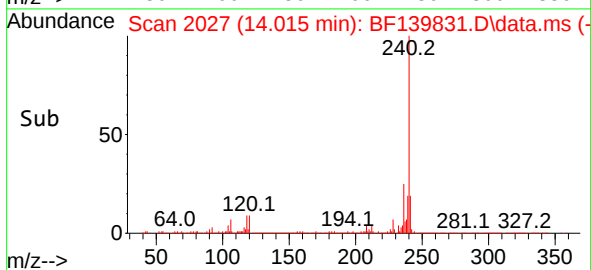
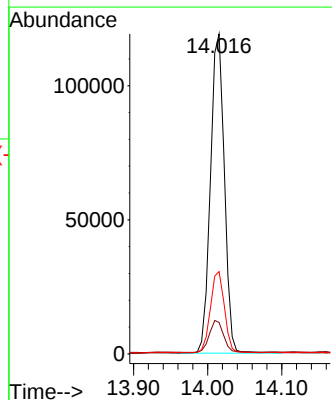
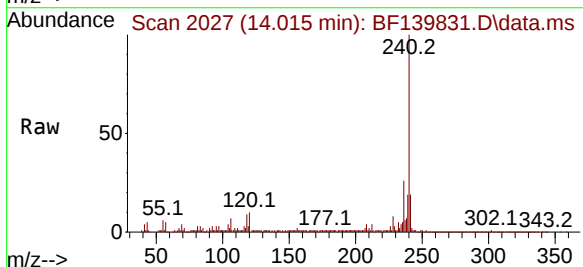
Instrument :
BNA_F
ClientSampleId :
TR-04-101524

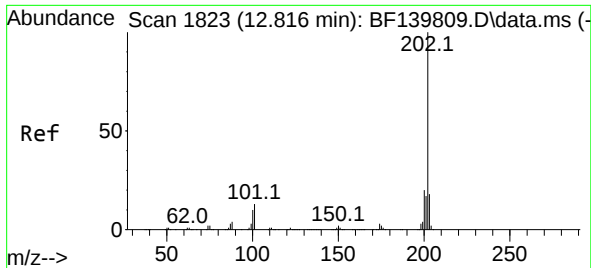
Tgt Ion:	202	Resp:	46104
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.8
203	19.0	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.001 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Tgt Ion:	240	Resp:	155423
Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.6	12.8
236	25.8	20.0	30.0

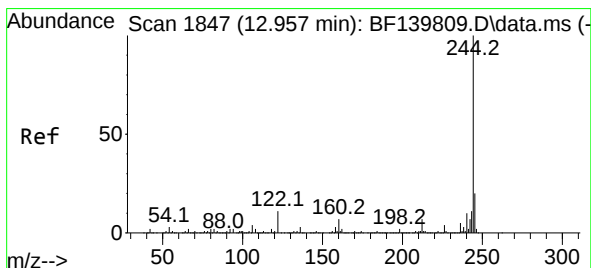
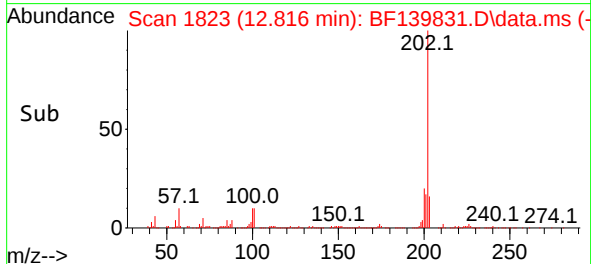
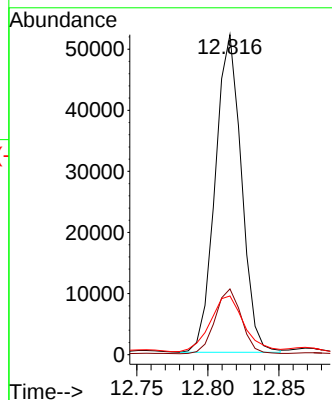
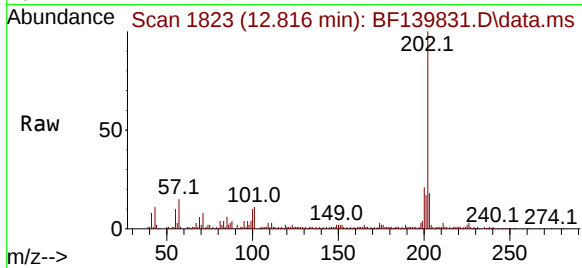




#78
Pyrene
Concen: 4.373 ng
RT: 12.816 min Scan# 1823
Delta R.T. -0.000 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

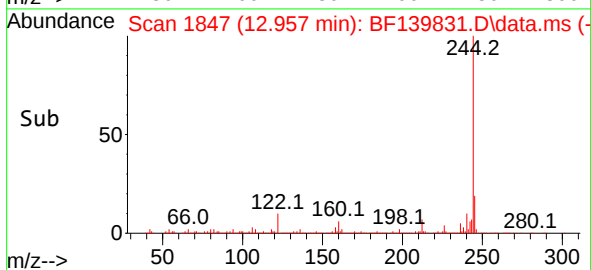
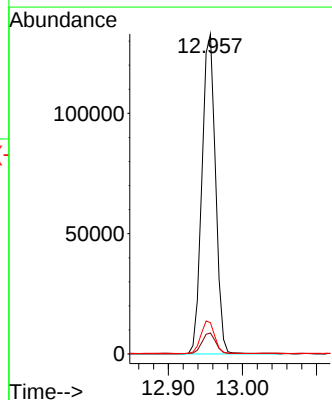
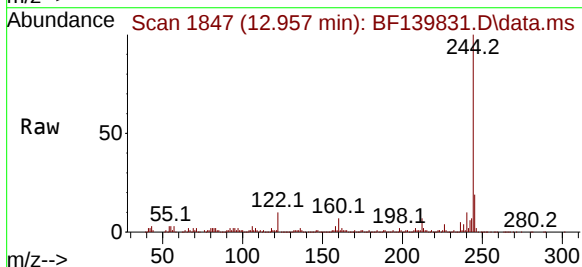
Instrument :
BNA_F
ClientSampleId :
TR-04-101524

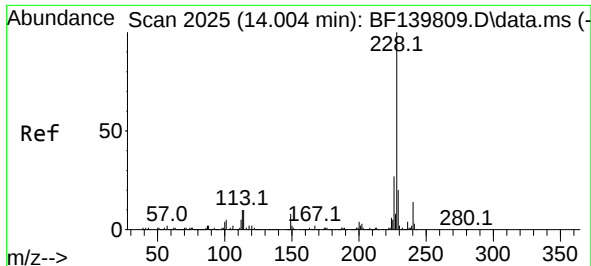
Tgt Ion:202 Resp: 66821
Ion Ratio Lower Upper
202 100
200 20.5 15.9 23.9
203 18.3 14.0 21.0



#79
Terphenyl-d14
Concen: 12.781 ng
RT: 12.957 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Tgt Ion:244 Resp: 169507
Ion Ratio Lower Upper
244 100
212 6.6 5.5 8.3
122 9.8 8.9 13.3

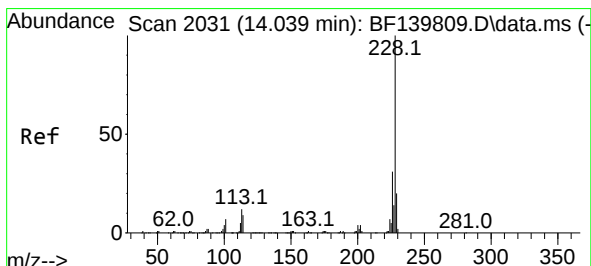
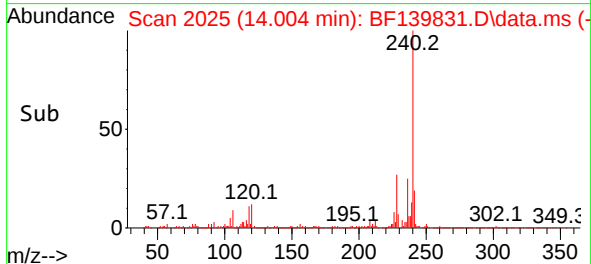
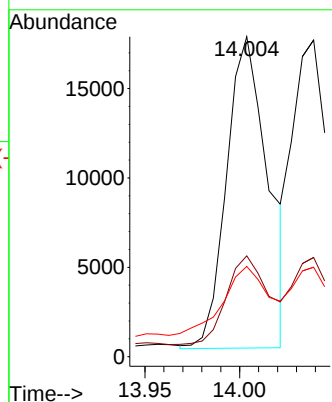
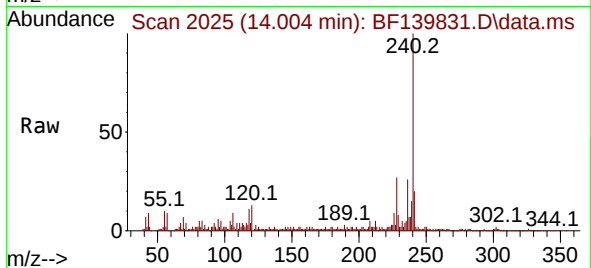




#81
Benzo(a)anthracene
Concen: 2.562 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

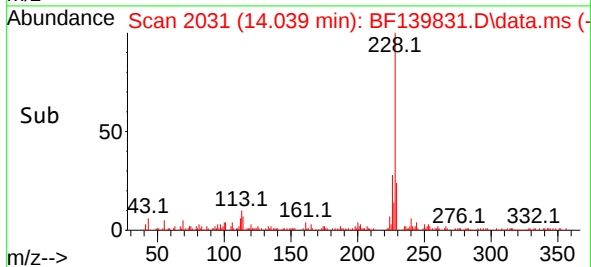
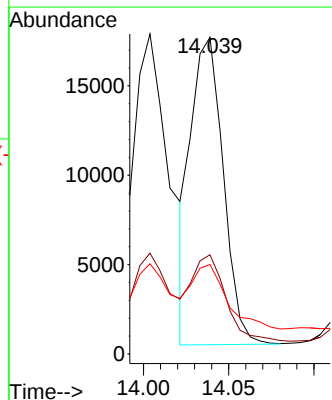
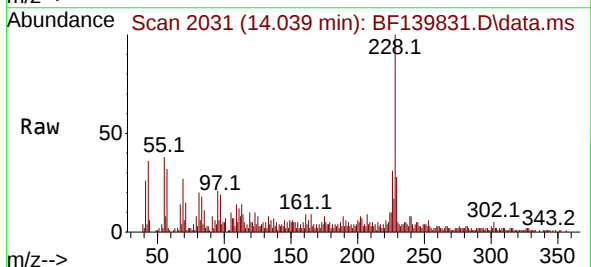
Instrument :
BNA_F
ClientSampleId :
TR-04-101524

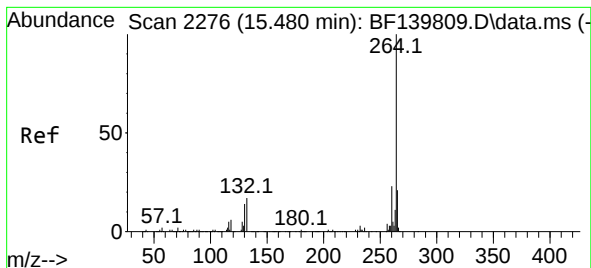
Tgt Ion:228 Resp: 26453
Ion Ratio Lower Upper
228 100
226 31.5 21.8 32.8
229 28.2 15.8 23.8#



#83
Chrysene
Concen: 2.413 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Tgt Ion:228 Resp: 22703
Ion Ratio Lower Upper
228 100
226 31.3 24.1 36.1
229 28.3 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139831.D

Acq: 16 Oct 2024 16:09

Instrument :

BNA_F

ClientSampleId :

TR-04-101524

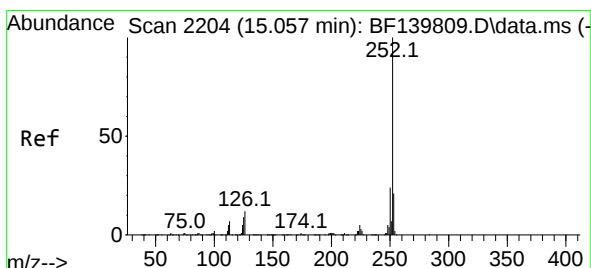
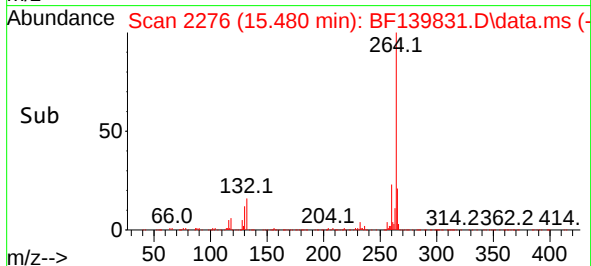
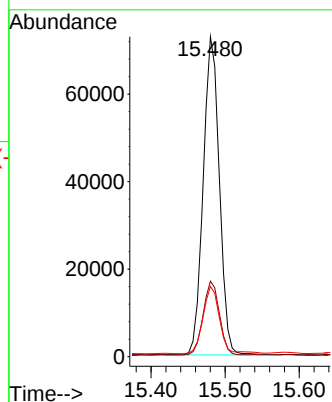
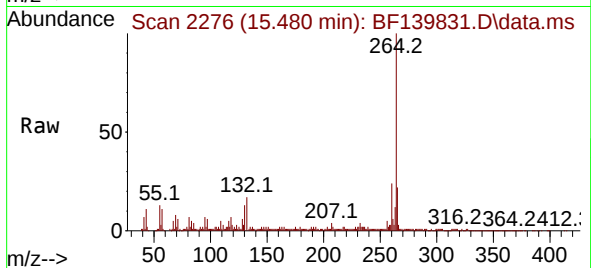
Tgt Ion:264 Resp: 110241

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 21.9 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 3.998 ng

RT: 15.051 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF139831.D

Acq: 16 Oct 2024 16:09

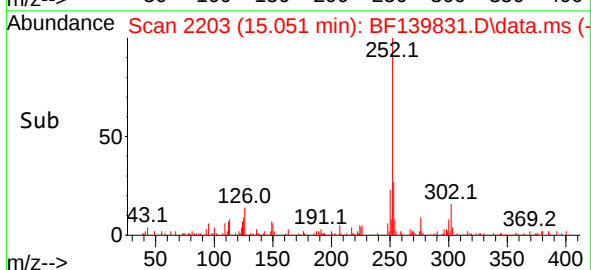
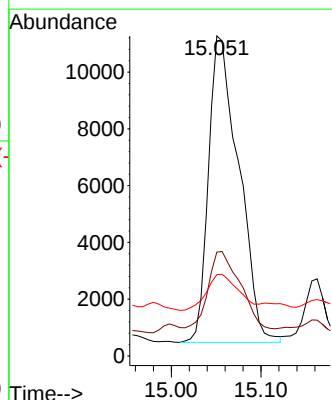
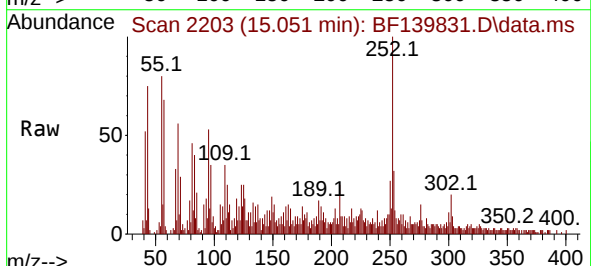
Tgt Ion:252 Resp: 25279

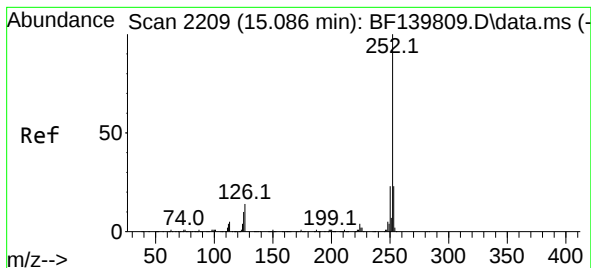
Ion Ratio Lower Upper

252 100

253 32.5 17.1 25.7#

125 25.4 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 4.505 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139831.D

Acq: 16 Oct 2024 16:09

Instrument :

BNA_F

ClientSampleId :

TR-04-101524

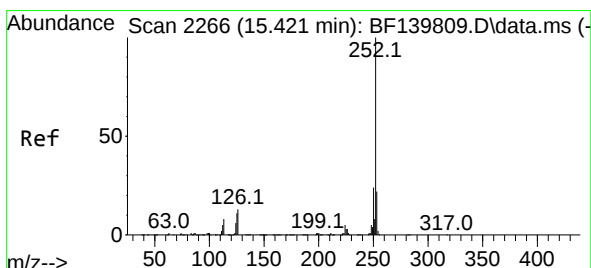
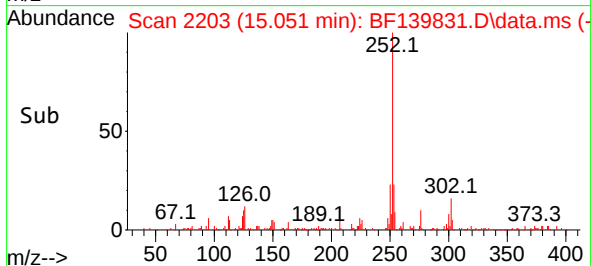
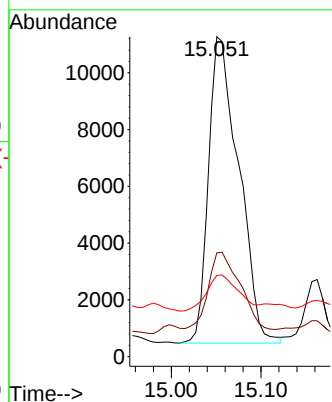
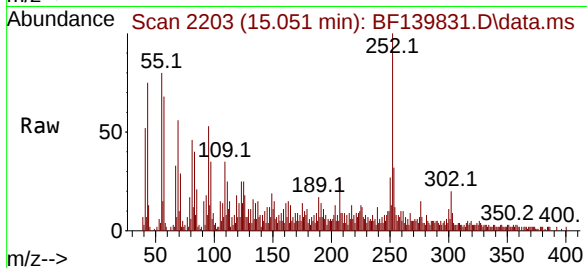
Tgt Ion:252 Resp: 25279

Ion Ratio Lower Upper

252 100

253 32.5 17.5 26.3#

125 25.4 7.7 11.5#



#90

Benzo(a)pyrene

Concen: 2.769 ng

RT: 15.415 min Scan# 2265

Delta R.T. -0.006 min

Lab File: BF139831.D

Acq: 16 Oct 2024 16:09

Tgt Ion:252 Resp: 15292

Ion Ratio Lower Upper

252 100

253 28.9 17.4 26.0#

125 26.4 8.4 12.6#

