

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141508.D
 Acq On : 07 Feb 2025 15:31
 Operator : RC/JU
 Sample : Q1285-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11977

Quant Time: Feb 07 16:09:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

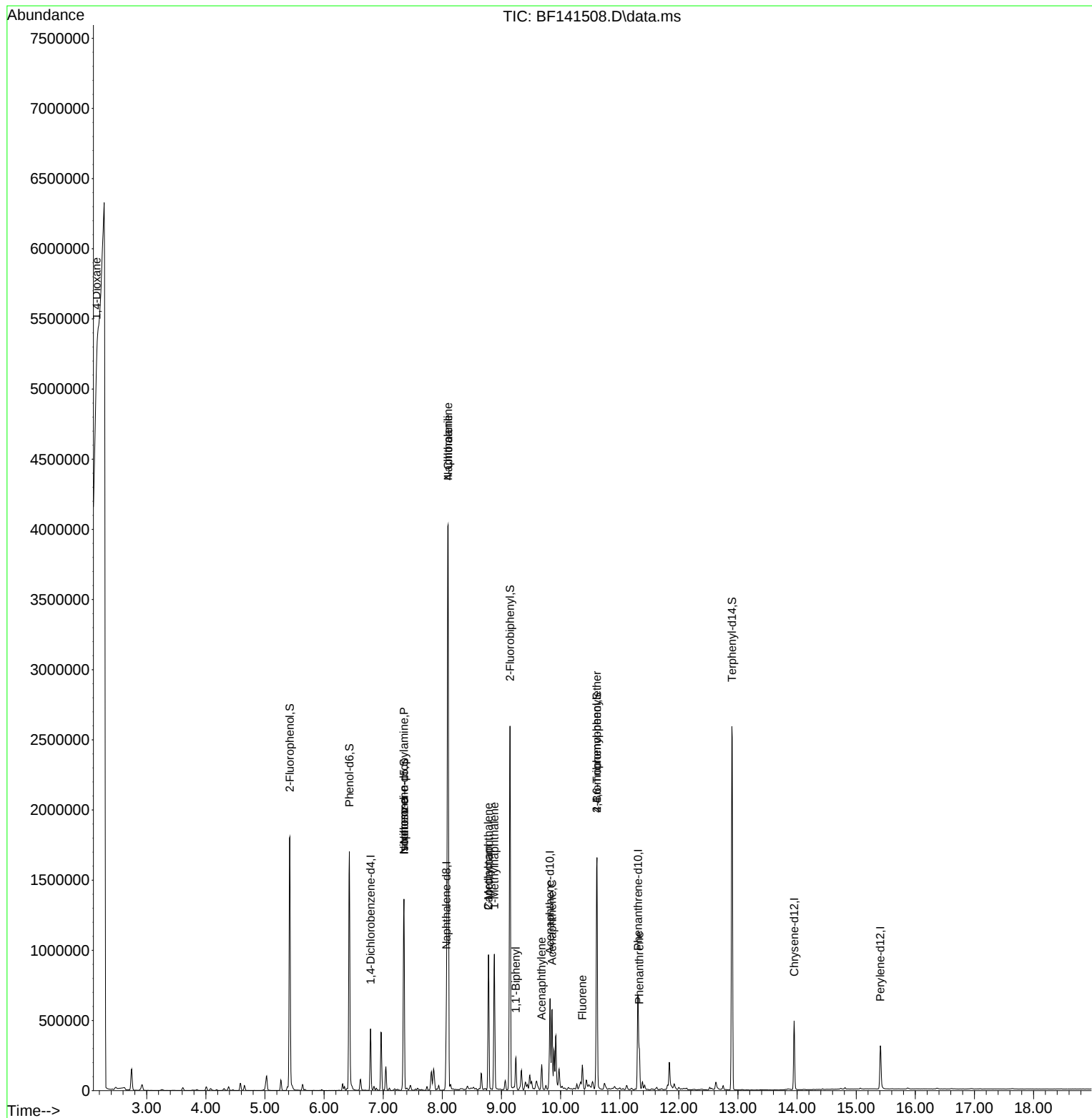
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	87319	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	344938	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	192108	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	339044	20.000	ng	0.00
76) Chrysene-d12	13.951	240	237285	20.000	ng	-0.01
86) Perylene-d12	15.410	264	185751	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	688085	123.540	ng	0.01
7) Phenol-d6	6.428	99	775226	110.122	ng	-0.01
23) Nitrobenzene-d5	7.351	82	615423	93.058	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	277376	143.732	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1163191	93.284	ng	0.00
79) Terphenyl-d14	12.898	244	1324096	94.203	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.152	88	6160	2.748	ng	# 15
19) n-Nitroso-di-n-propyla...	7.351	70	84263	20.011	ng	# 76
25) Isophorone	7.351	82	597103	56.626	ng	# 66
31) Naphthalene	8.098	128	2933109	163.356	ng	# 99
33) 4-Chloroaniline	8.098	127	405895	64.748	ng	# 34
35) Caprolactam	8.781	113	9375	6.080	ng	# 1
37) 2-Methylnaphthalene	8.781	142	359258	30.748	ng	# 99
38) 1-Methylnaphthalene	8.881	142	357746	31.613	ng	# 98
46) 1,1'-Biphenyl	9.245	154	106232	7.133	ng	# 99
49) Acenaphthylene	9.681	152	89379	5.456	ng	# 98
52) Acenaphthene	9.857	154	184617	16.764	ng	# 98
58) Fluorene	10.369	166	74288	5.944	ng	# 96
67) 4-Bromophenyl-phenylether	10.616	248	18446	4.868	ng	# 1
71) Phenanthrene	11.333	178	150199	8.048	ng	# 100

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

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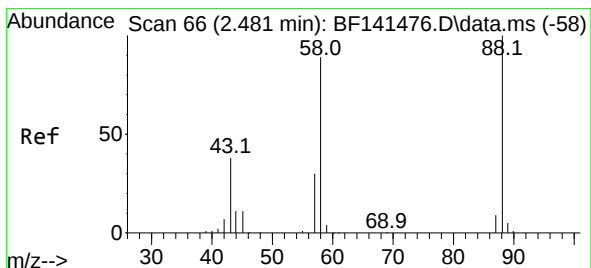
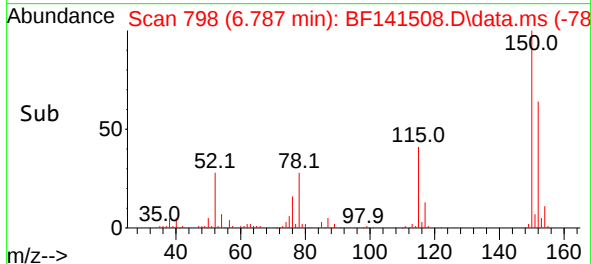
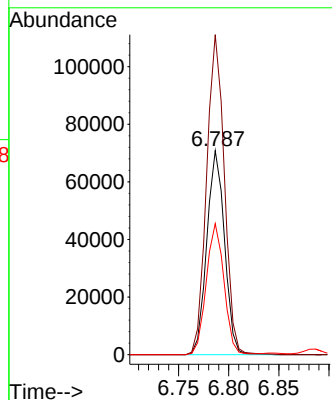
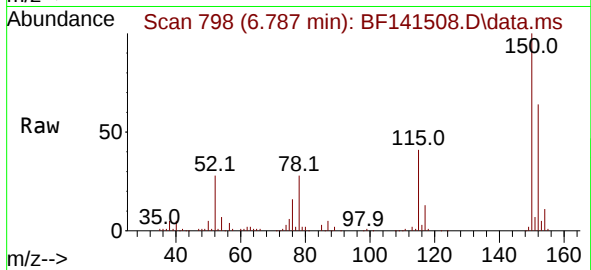




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF141508.D
 Acq: 07 Feb 2025 15:31

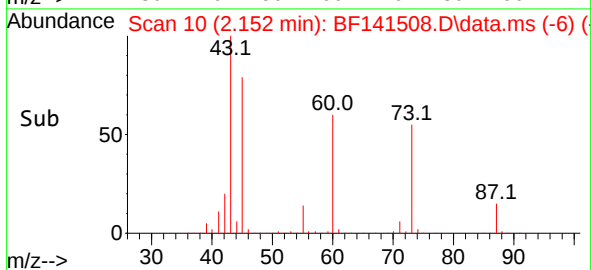
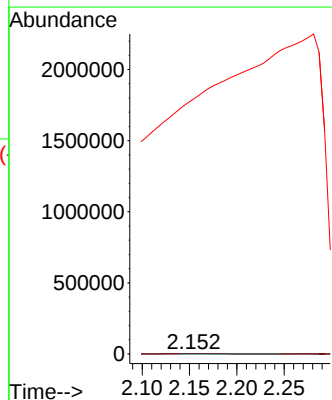
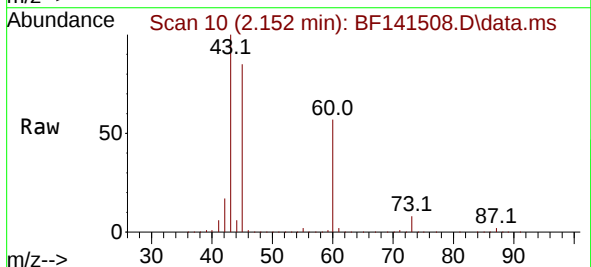
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 BNA_F
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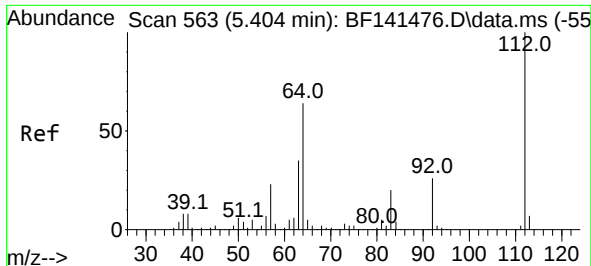
Tgt Ion:152 Resp: 87319
 Ion Ratio Lower Upper
 152 100
 150 156.8 125.0 187.4
 115 64.3 53.6 80.4



#2
 1,4-Dioxane
 Concen: 2.748 ng
 RT: 2.152 min Scan# 10
 Delta R.T. -0.329 min
 Lab File: BF141508.D
 Acq: 07 Feb 2025 15:31

Tgt Ion: 88 Resp: 6160
 Ion Ratio Lower Upper
 88 100
 58 0.0 71.1 106.7#
 43 0.0 30.6 46.0#

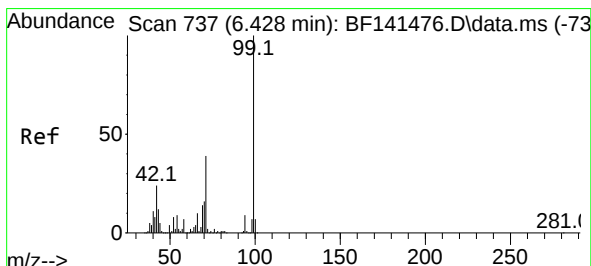
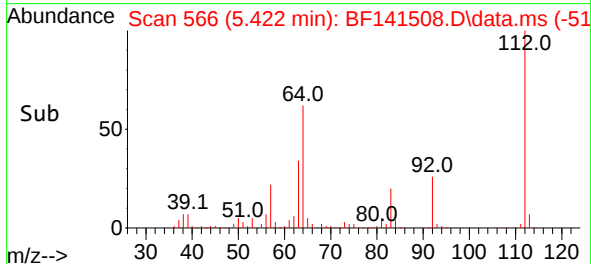
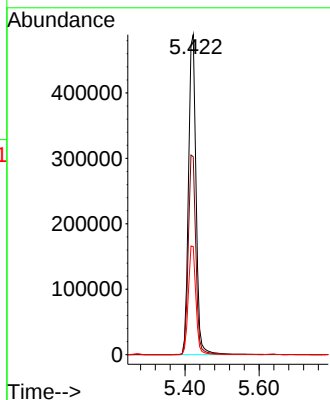
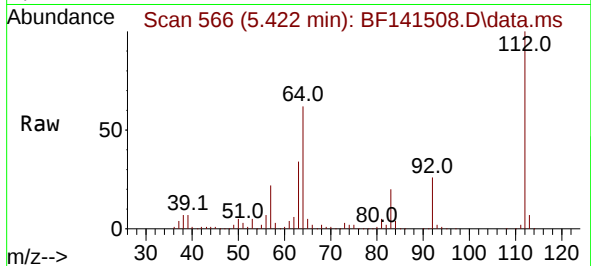




#5
2-Fluorophenol
Concen: 123.540 ng
RT: 5.422 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

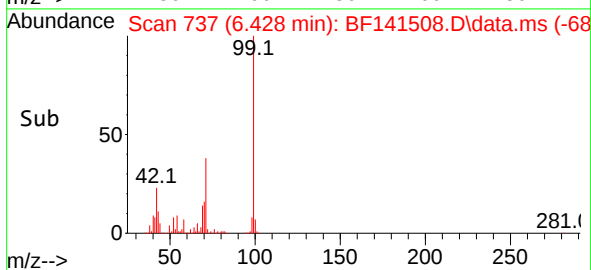
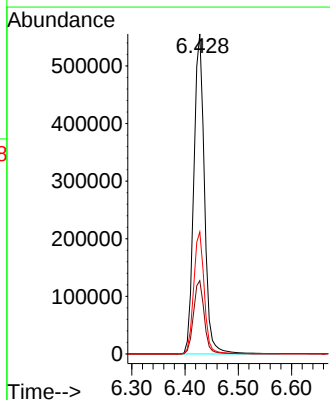
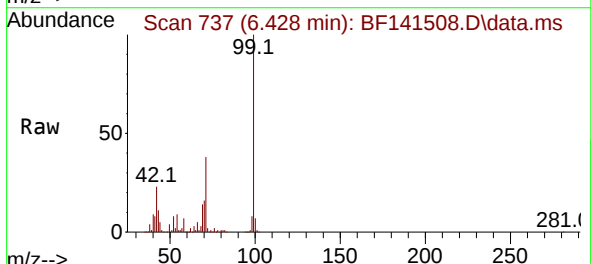
Instrument :
BNA_F
ClientSampleId :
72-11977

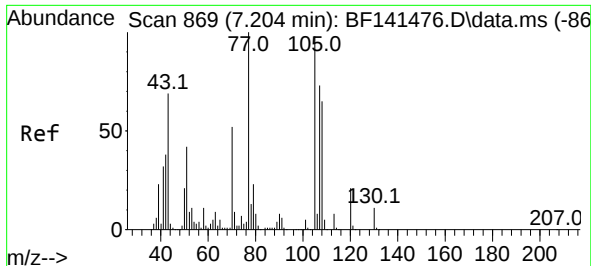
Tgt Ion:112 Resp: 688085
Ion Ratio Lower Upper
112 100
64 61.9 51.1 76.7
63 33.8 28.4 42.6



#7
Phenol-d6
Concen: 110.122 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

Tgt Ion: 99 Resp: 775226
Ion Ratio Lower Upper
99 100
42 22.9 19.1 28.7
71 38.2 31.1 46.7

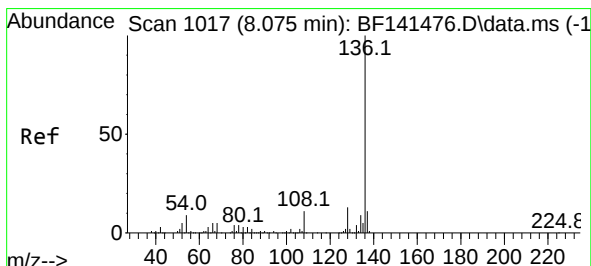
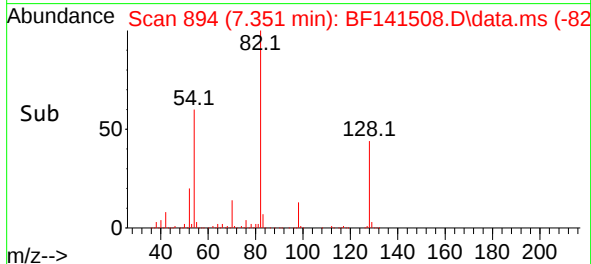
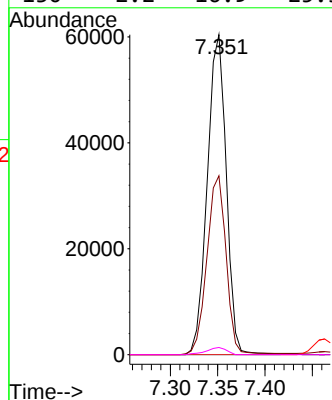
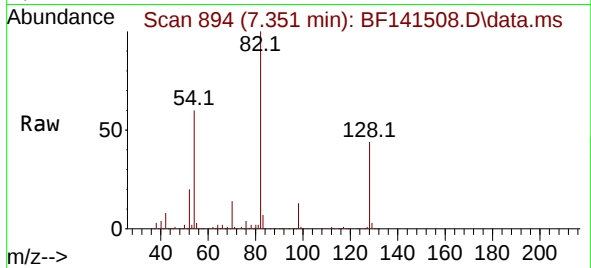




#19
n-Nitroso-di-n-propylamine
Concen: 20.011 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

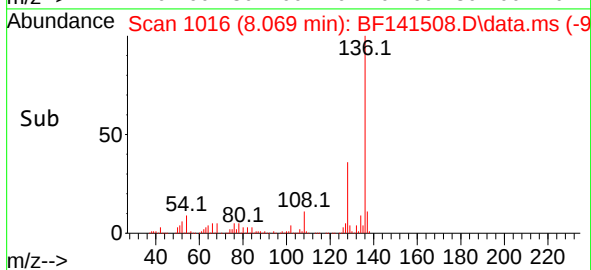
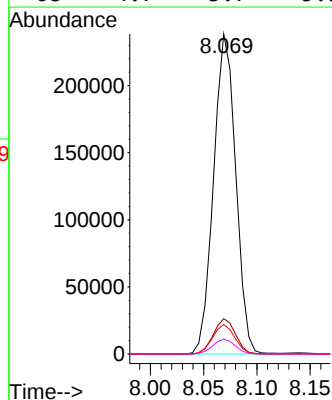
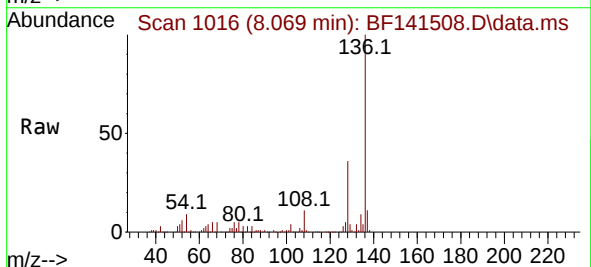
Instrument :
BNA_F
ClientSampleId :
72-11977

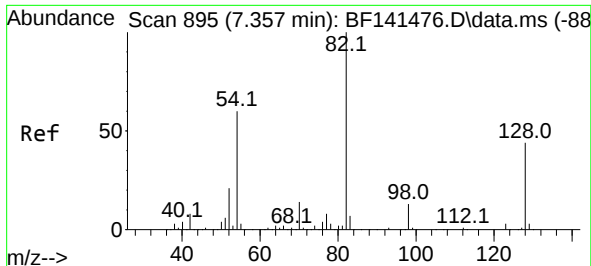
Tgt Ion:	70	Resp:	84263
Ion	Ratio	Lower	Upper
70	100		
42	55.9	57.4	86.2#
101	0.0	8.0	12.0#
130	2.2	16.9	25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

Tgt Ion:	136	Resp:	344938
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.2	7.2	10.8
68	4.7	3.7	5.5

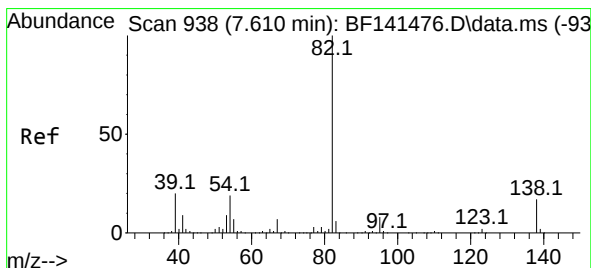
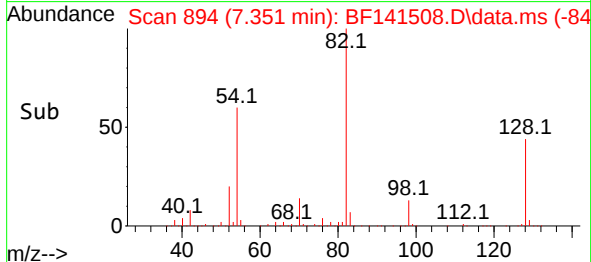
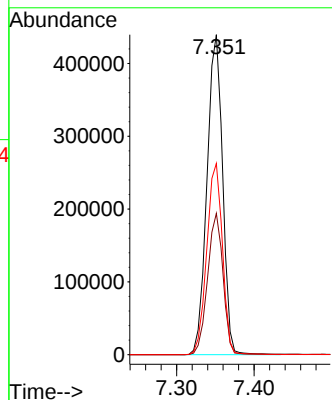
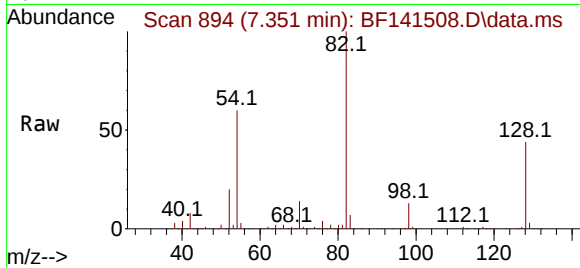




#23
Nitrobenzene-d5
Concen: 93.058 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

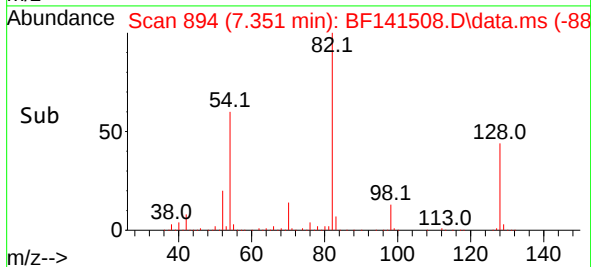
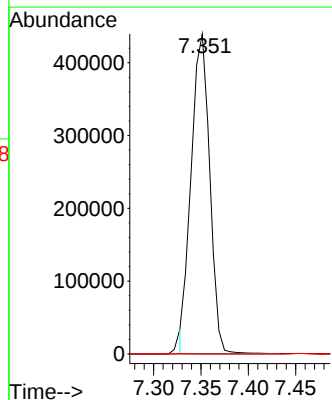
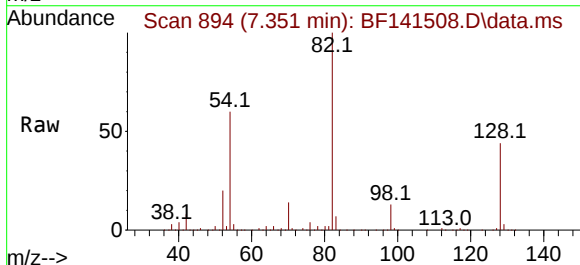
Instrument :
BNA_F
ClientSampleId :
72-11977

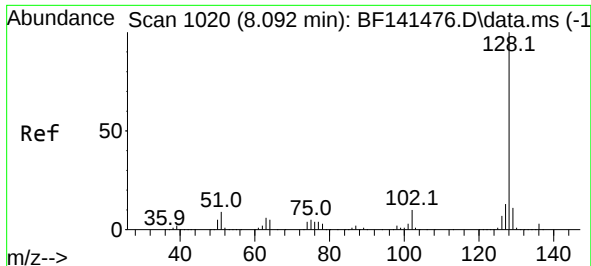
Tgt Ion: 82 Resp: 615423
Ion Ratio Lower Upper
82 100
128 44.2 34.8 52.2
54 59.7 48.2 72.4



#25
Isophorone
Concen: 56.626 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

Tgt Ion: 82 Resp: 597103
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#

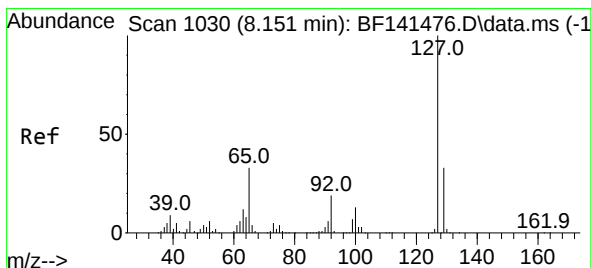
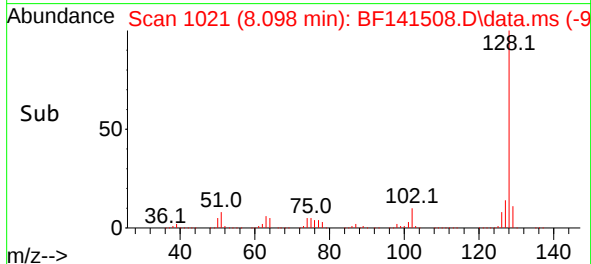
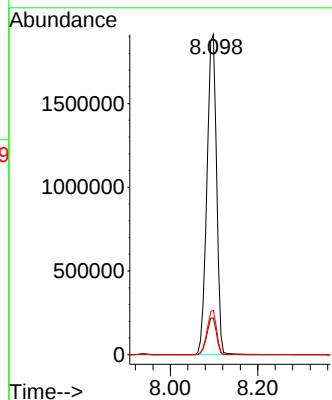
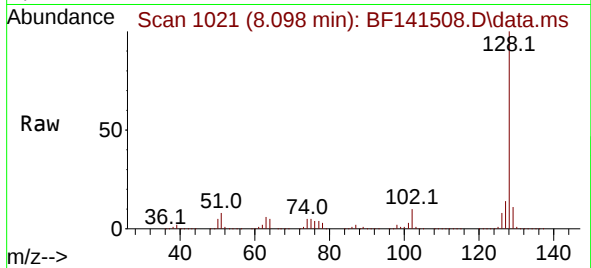




#31
Naphthalene
Concen: 163.356 ng
RT: 8.098 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

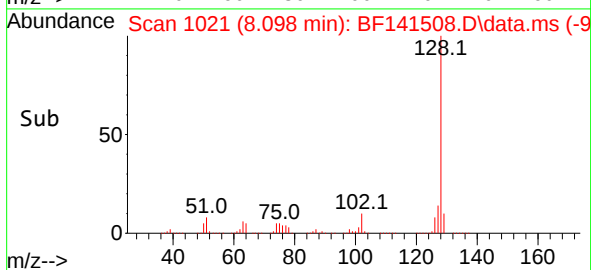
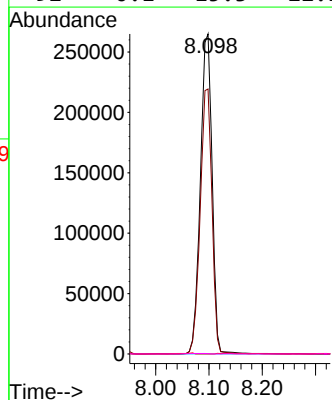
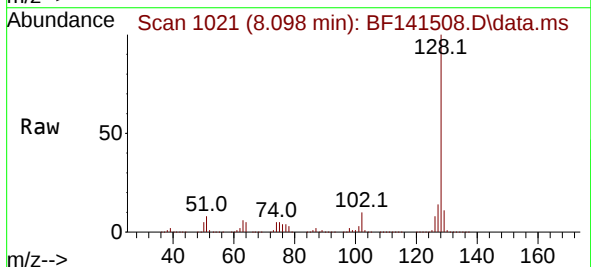
Instrument :
BNA_F
ClientSampleId :
72-11977

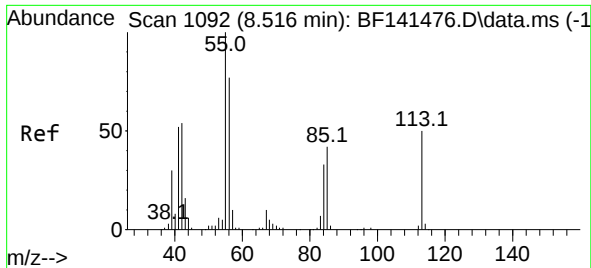
Tgt Ion:128 Resp: 2933109
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 13.9 10.7 16.1



#33
4-Chloroaniline
Concen: 64.748 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.059 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

Tgt Ion:127 Resp: 405895
Ion Ratio Lower Upper
127 100
129 82.8 26.5 39.7#
65 0.0 26.4 39.6#
92 0.1 15.3 22.9#

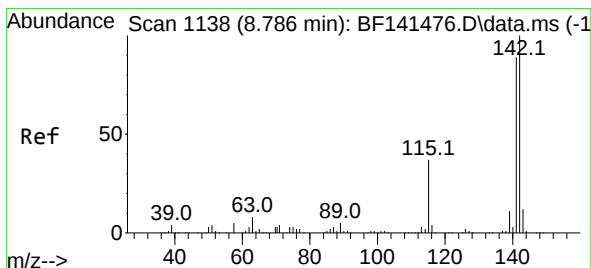
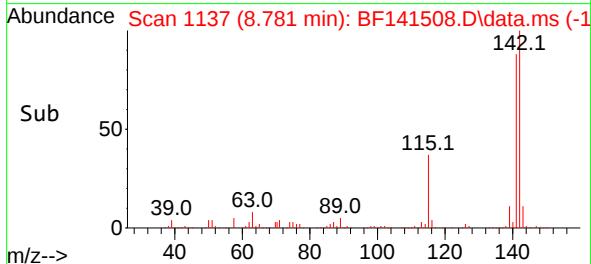
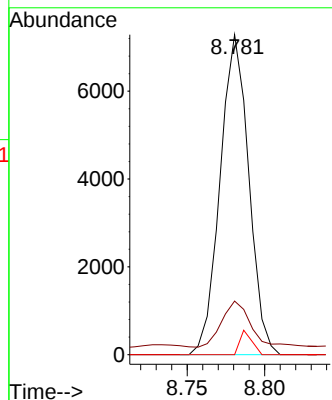
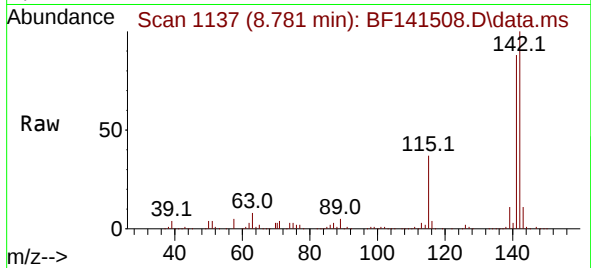




#35
 Caprolactam
 Concen: 6.080 ng
 RT: 8.781 min Scan# 1137
 Delta R.T. 0.235 min
 Lab File: BF141508.D
 Acq: 07 Feb 2025 15:31

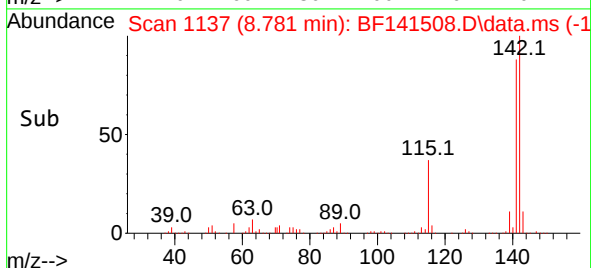
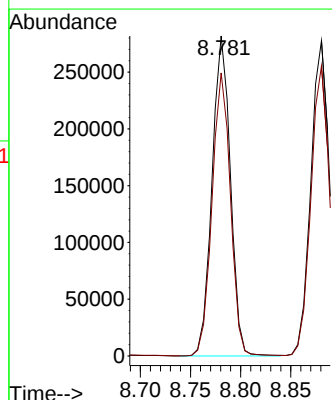
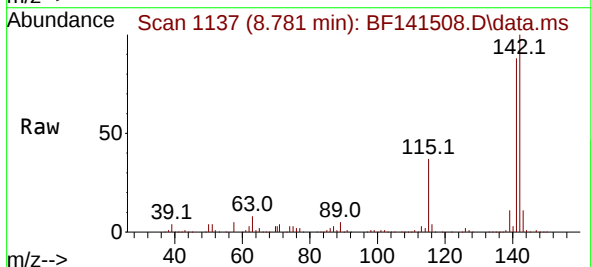
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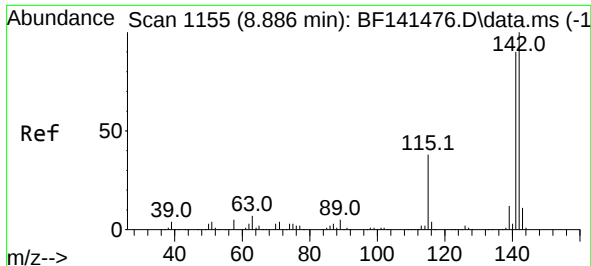
Tgt Ion:113 Resp: 9375
 Ion Ratio Lower Upper
 113 100
 55 16.7 180.8 220.8#
 56 0.0 133.6 173.6#



#37
 2-Methylnaphthalene
 Concen: 30.748 ng
 RT: 8.781 min Scan# 1137
 Delta R.T. -0.006 min
 Lab File: BF141508.D
 Acq: 07 Feb 2025 15:31

Tgt Ion:142 Resp: 359258
 Ion Ratio Lower Upper
 142 100
 141 88.5 71.2 106.8

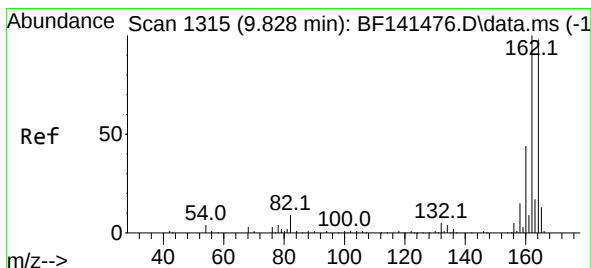
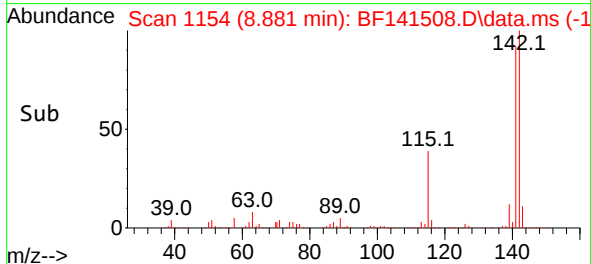
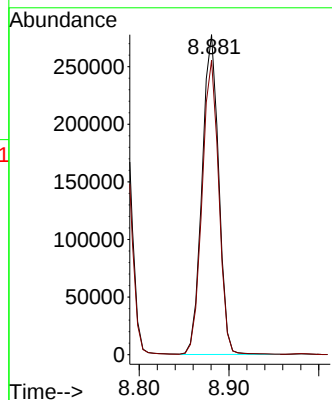
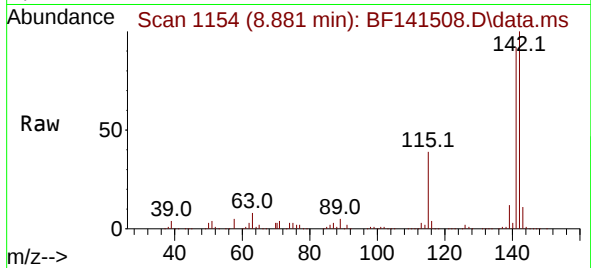




#38
1-Methylnaphthalene
Concen: 31.613 ng
RT: 8.881 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

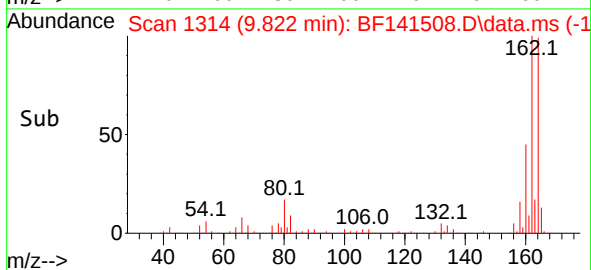
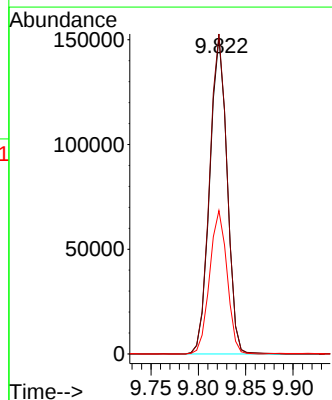
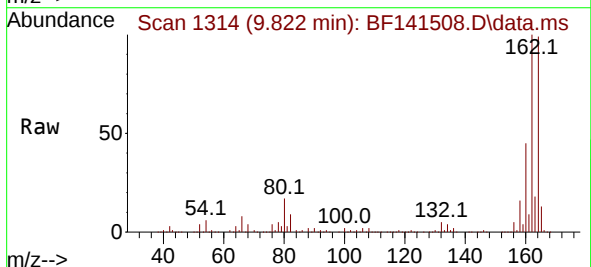
Instrument :
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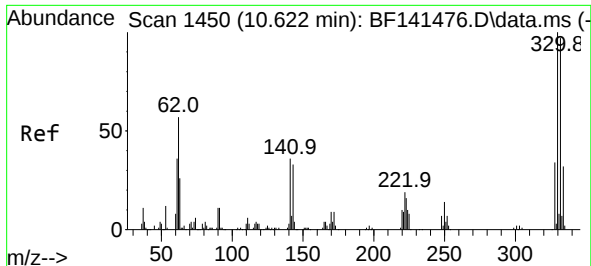
Tgt Ion:142 Resp: 357746
Ion Ratio Lower Upper
142 100
141 92.0 72.1 108.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

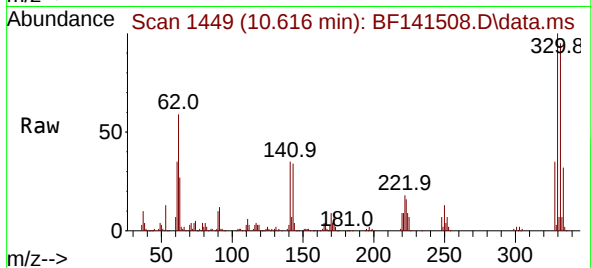
Tgt Ion:164 Resp: 192108
Ion Ratio Lower Upper
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162 101.1 81.3 121.9
160 45.3 35.9 53.9



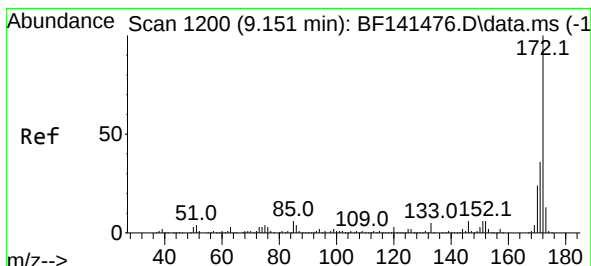
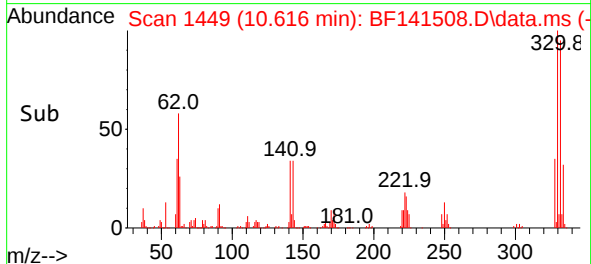
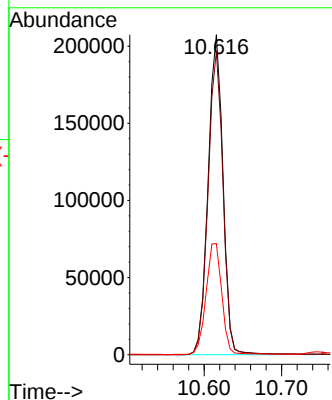


#42
2,4,6-Tribromophenol
Concen: 143.732 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

Instrument :
BNA_F
ClientSampleId :
72-11977

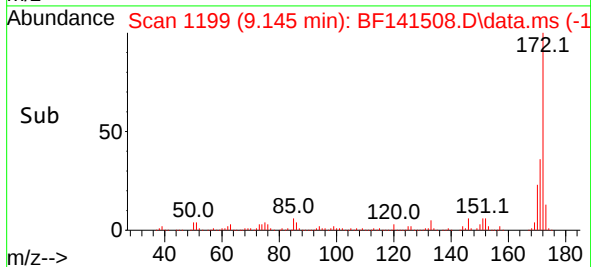
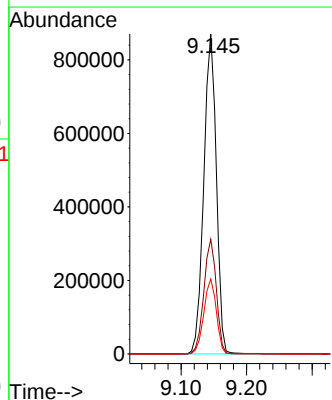
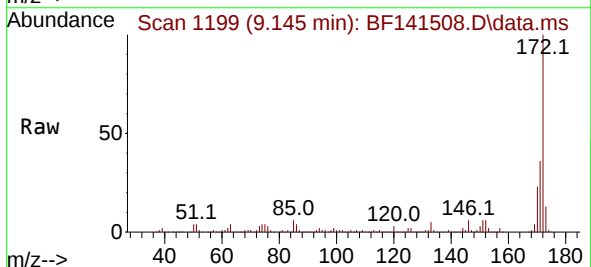


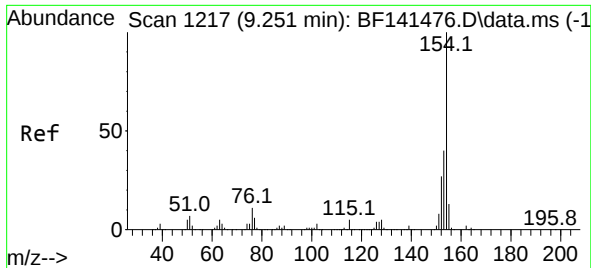
Tgt Ion: 330 Resp: 277376
Ion Ratio Lower Upper
330 100
332 95.4 78.5 117.7
141 37.2 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 93.284 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

Tgt Ion: 172 Resp: 1163191
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 23.5 18.9 28.3

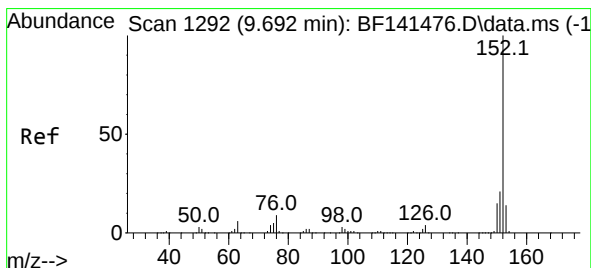
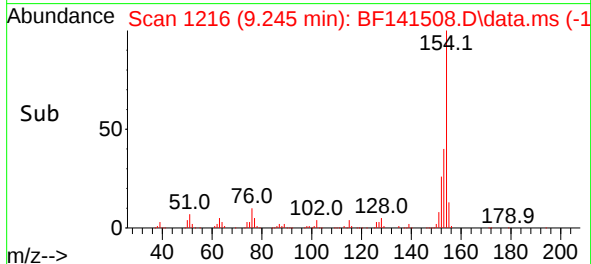
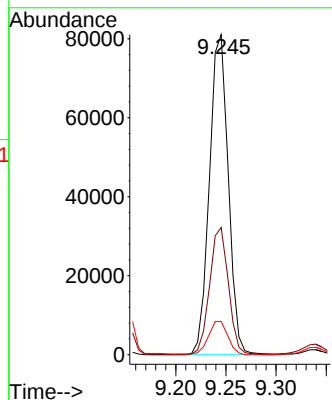
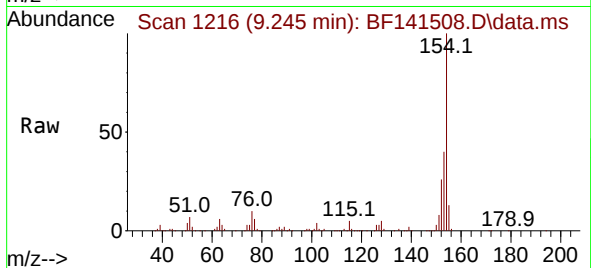




#46
1,1'-Biphenyl
Concen: 7.133 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

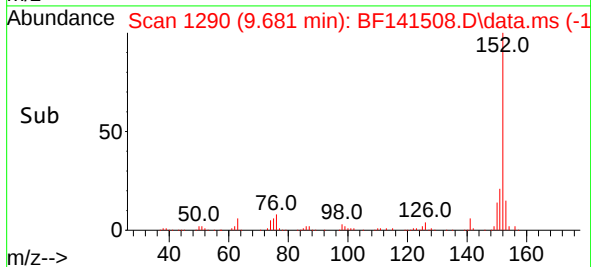
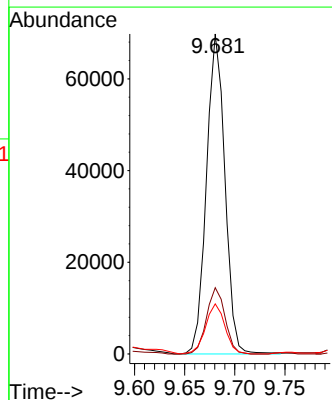
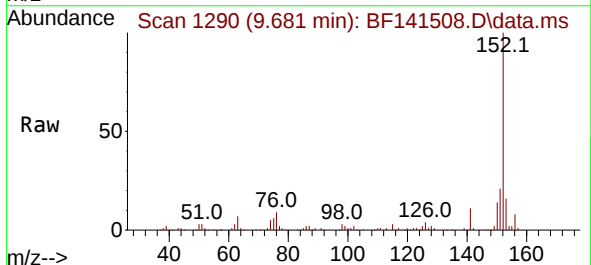
Instrument :
BNA_F
ClientSampleId :
72-11977

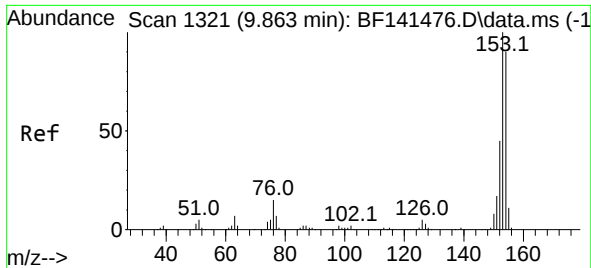
Tgt Ion:154 Resp: 106232
Ion Ratio Lower Upper
154 100
153 39.8 20.4 60.4
76 10.4 0.0 30.8



#49
Acenaphthylene
Concen: 5.456 ng
RT: 9.681 min Scan# 1290
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

Tgt Ion:152 Resp: 89379
Ion Ratio Lower Upper
152 100
151 20.7 16.4 24.6
153 15.6 10.9 16.3

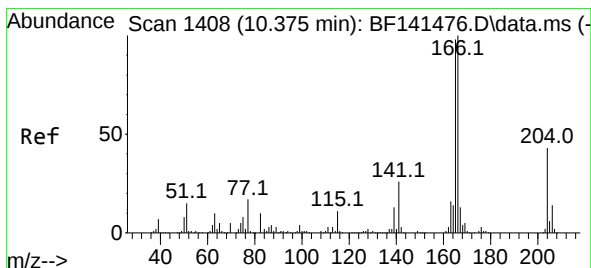
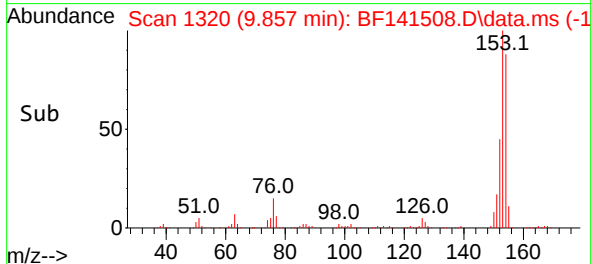
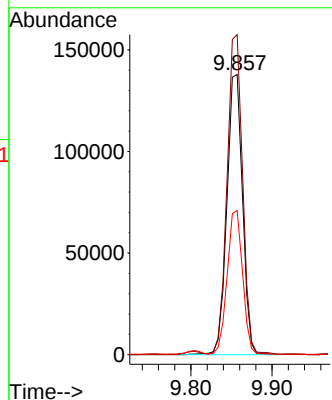
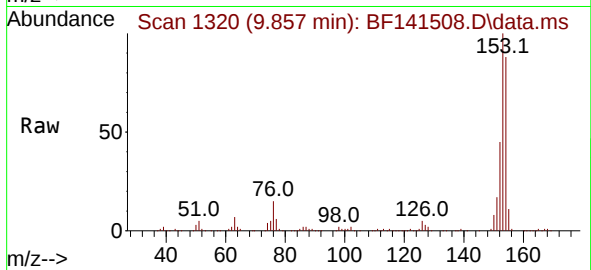




#52
Acenaphthene
Concen: 16.764 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

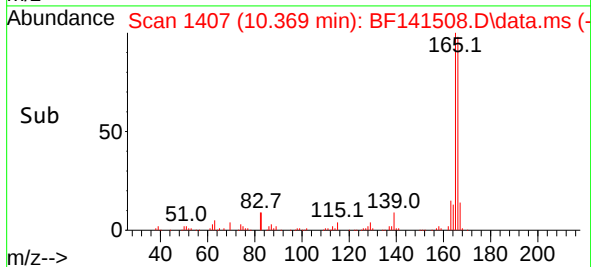
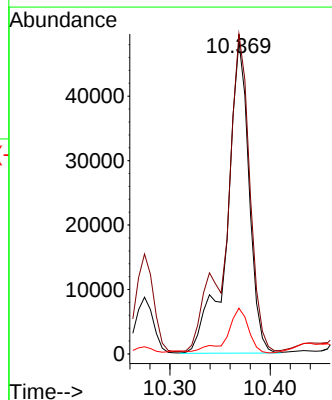
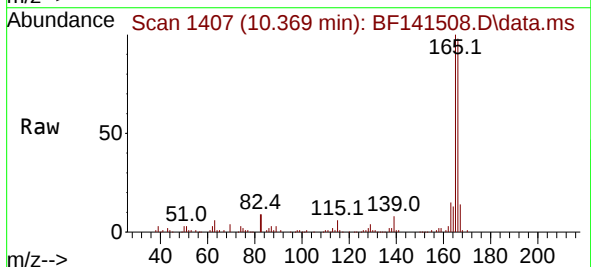
Instrument :
BNA_F
ClientSampleId :
72-11977

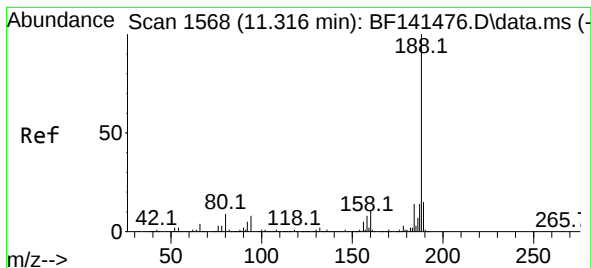
Tgt Ion:154 Resp: 184617
Ion Ratio Lower Upper
154 100
153 114.2 89.2 133.8
152 51.4 39.8 59.8



#58
Fluorene
Concen: 5.944 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

Tgt Ion:166 Resp: 74288
Ion Ratio Lower Upper
166 100
165 102.2 78.2 117.2
167 14.6 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141508.D

Acq: 07 Feb 2025 15:31

Instrument :

BNA_F

ClientSampleId :

72-11977

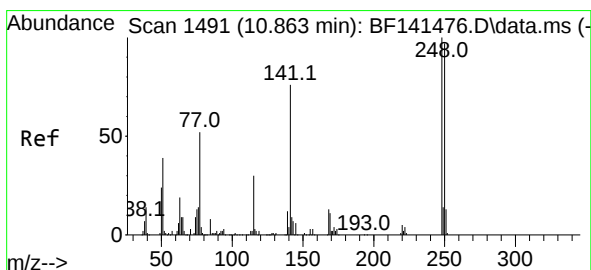
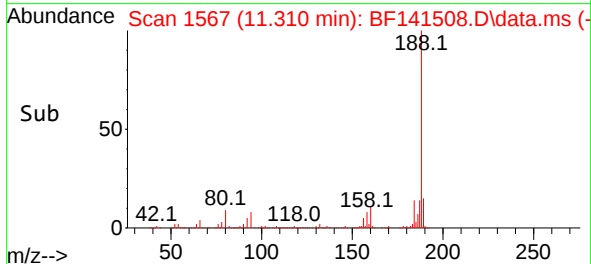
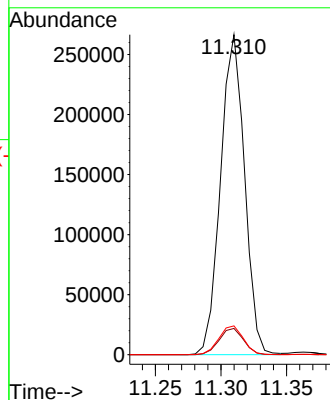
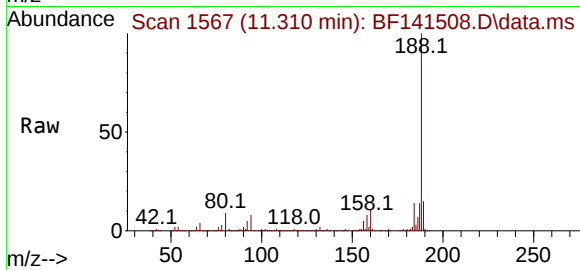
Tgt Ion:188 Resp: 339044

Ion Ratio Lower Upper

188 100

94 8.2 6.6 10.0

80 9.0 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 4.868 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.247 min

Lab File: BF141508.D

Acq: 07 Feb 2025 15:31

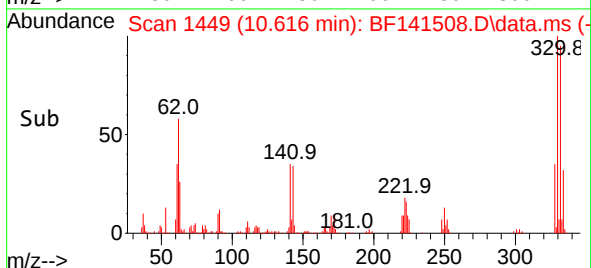
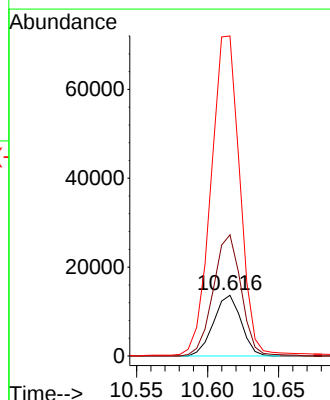
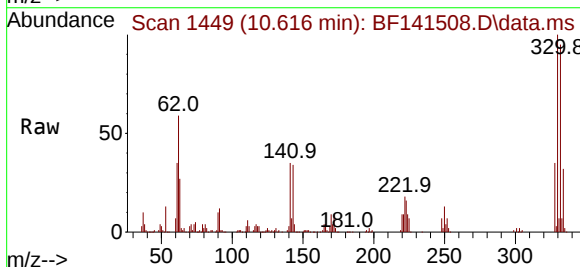
Tgt Ion:248 Resp: 18446

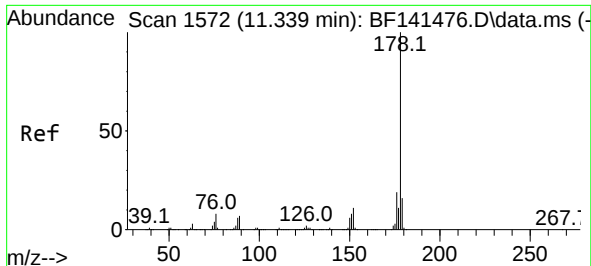
Ion Ratio Lower Upper

248 100

250 199.6 77.8 116.6#

141 527.2 60.6 90.8#

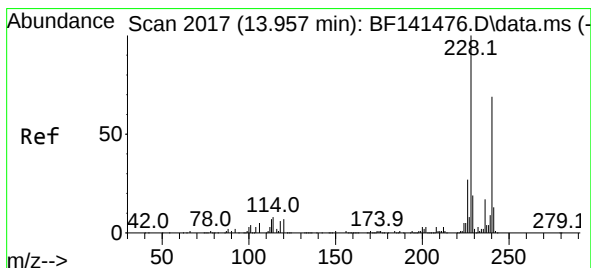
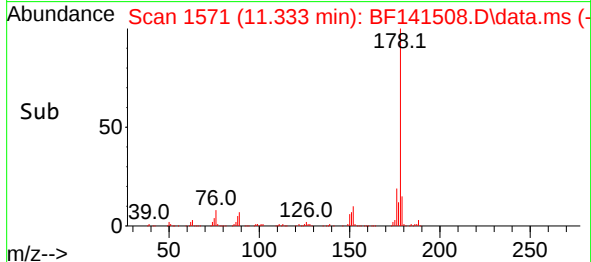
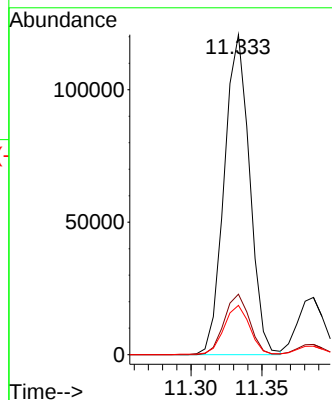
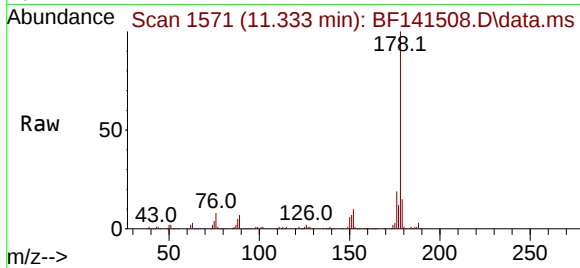




#71
Phenanthrene
Concen: 8.048 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

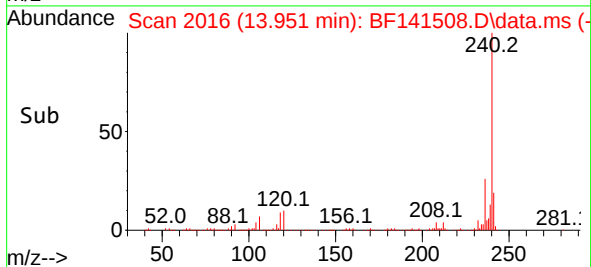
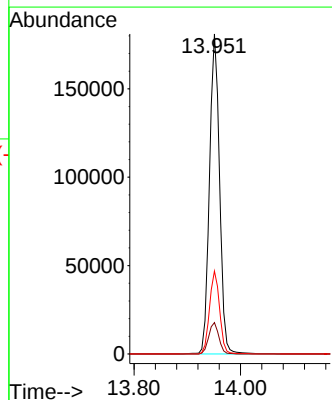
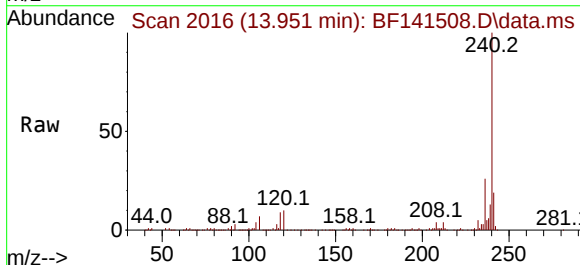
Instrument :
BNA_F
ClientSampleId :
72-11977

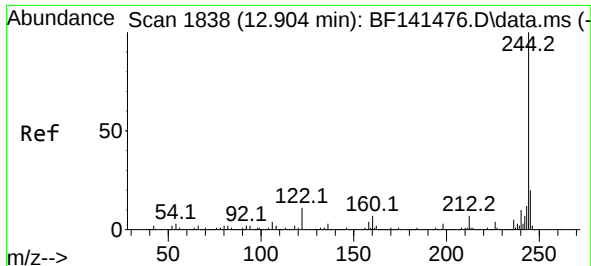
Tgt Ion:178 Resp: 150199
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.4 12.4 18.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141508.D
Acq: 07 Feb 2025 15:31

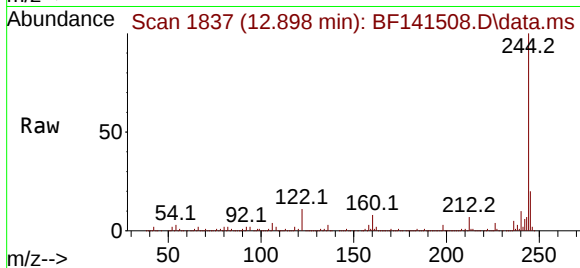
Tgt Ion:240 Resp: 237285
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 25.9 19.8 29.8



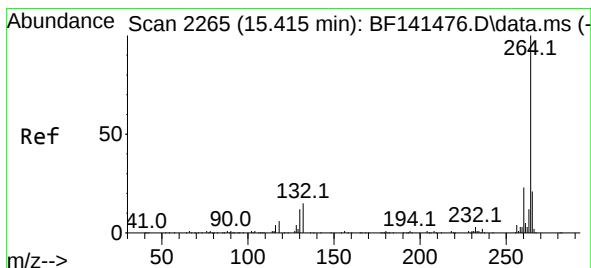
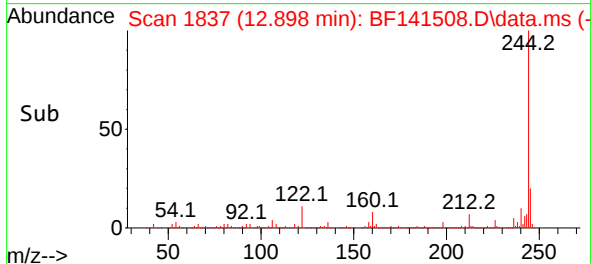
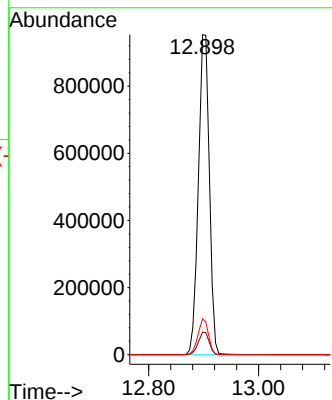


#79
 Terphenyl-d14
 Concen: 94.203 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141508.D
 Acq: 07 Feb 2025 15:31

Instrument :
 BNA_F
 ClientSampleId :
 72-11977



Tgt Ion:244 Resp: 1324096
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 11.2 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2264
 Delta R.T. -0.006 min
 Lab File: BF141508.D
 Acq: 07 Feb 2025 15:31

Tgt Ion:264 Resp: 185751
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.6 28.0
 265 21.6 17.0 25.4

