

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
 Data File : BF143254.D
 Acq On : 25 Jul 2025 16:47
 Operator : RC/JU
 Sample : Q2691-01 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

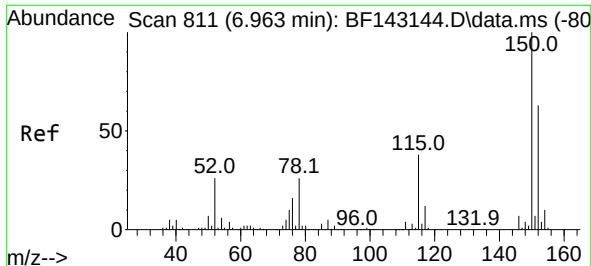
Instrument :
 BNA_F
 ClientSampleId :
 295

Quant Time: Jul 25 17:28:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	77755	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	277331	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	131317	20.000	ng	0.00
64) Phenanthrene-d10	11.510	188	164560	20.000	ng	# 0.02
76) Chrysene-d12	14.145	240	188118	20.000	ng	0.02
86) Perylene-d12	15.651	264	159915	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	18617	3.789	ng	0.00
7) Phenol-d6	6.575	99	24853	4.019	ng	-0.01
23) Nitrobenzene-d5	7.510	82	15533	2.792	ng	-0.01
42) 2,4,6-Tribromophenol	10.792	330	5675	4.183	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	33546	3.494	ng	-0.01
79) Terphenyl-d14	13.092	244	31246	2.472	ng	0.02
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.751	165	16468	9.457	ng	# 30
53) 3-Nitroaniline	9.957	138	11197	5.498	ng	# 18
54) 2,4-Dinitrophenol	10.039	184	110	6.792	ng	# 1
60) Diethylphthalate	10.416	149	20339	2.404	ng	# 38
65) 4,6-Dinitro-2-methylph...	10.622	198	548	5.976	ng	# 1
69) Atrazine	11.204	200	3436	2.151	ng	# 1
74) Di-n-butylphthalate	12.069	149	34380	3.905	ng	# 28

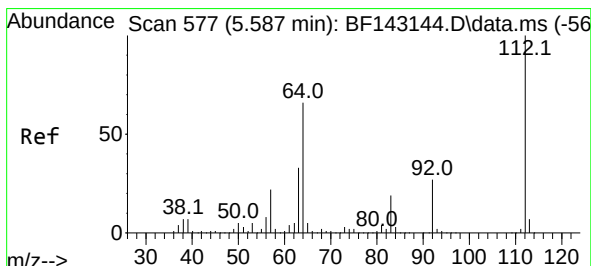
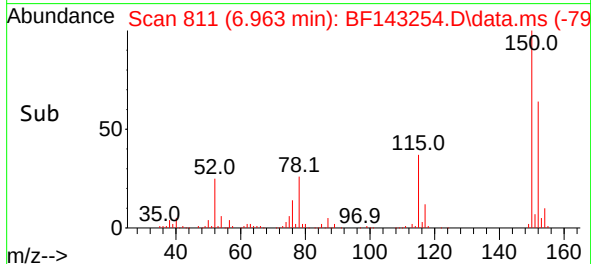
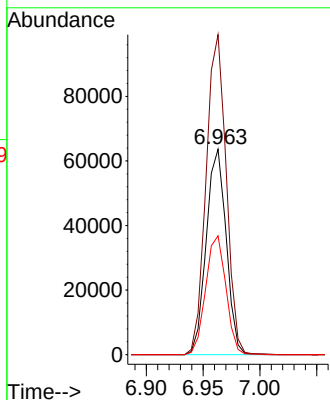
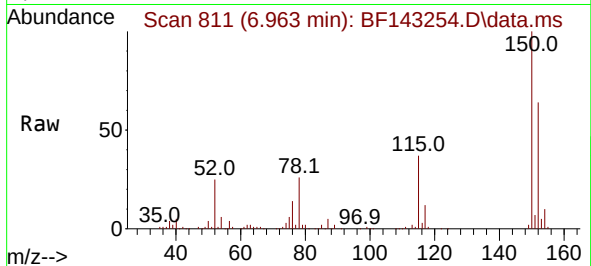
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143254.D
Acq: 25 Jul 2025 16:47

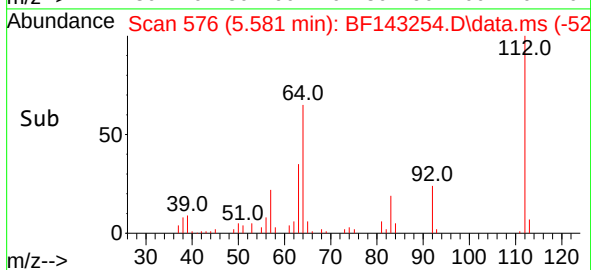
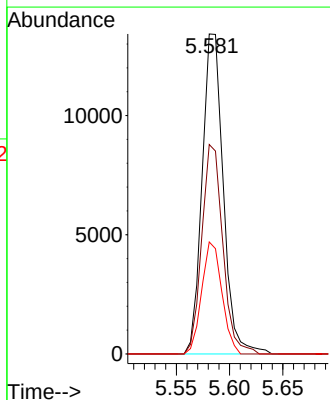
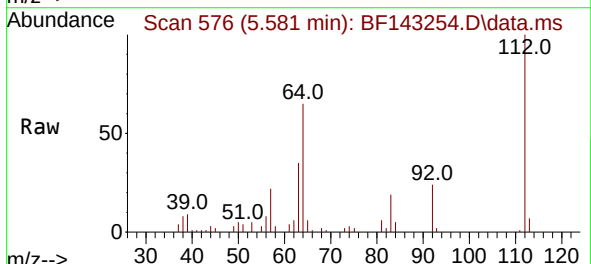
Instrument :
BNA_F
ClientSampleId :
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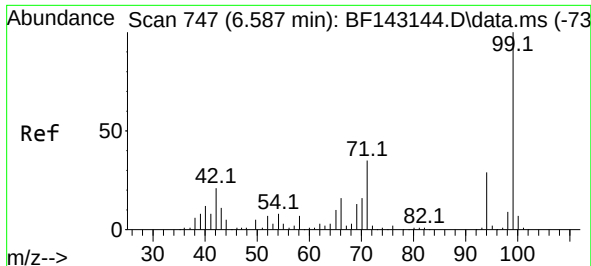
Tgt Ion:152 Resp: 77755
Ion Ratio Lower Upper
152 100
150 155.8 128.2 192.4
115 57.9 47.9 71.9



#5
2-Fluorophenol
Concen: 3.789 ng
RT: 5.581 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF143254.D
Acq: 25 Jul 2025 16:47

Tgt Ion:112 Resp: 18617
Ion Ratio Lower Upper
112 100
64 65.4 53.1 79.7
63 35.0 26.6 40.0

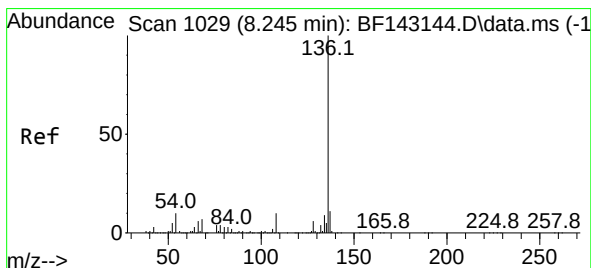
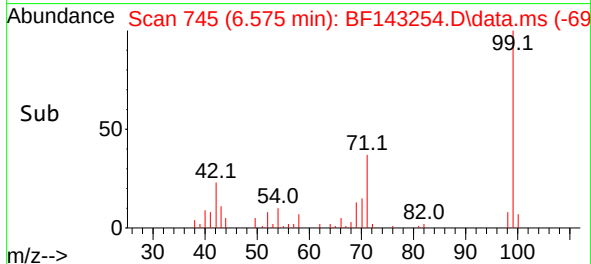
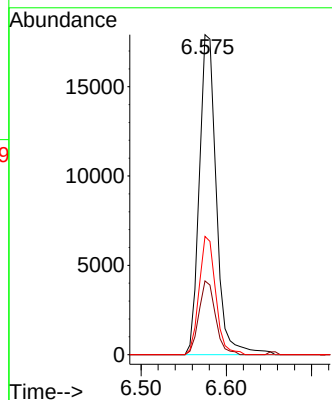
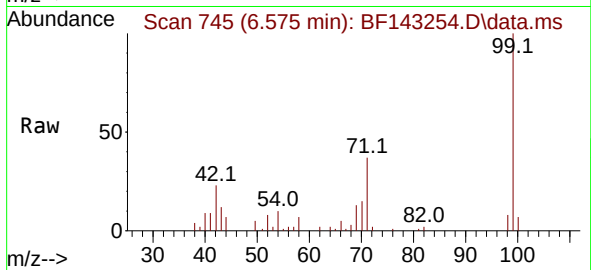




#7
Phenol-d6
Concen: 4.019 ng
RT: 6.575 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF143254.D
Acq: 25 Jul 2025 16:47

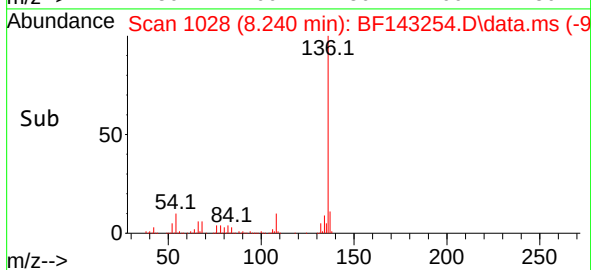
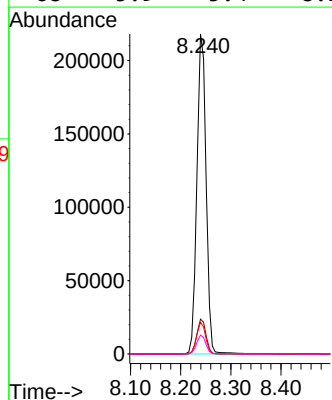
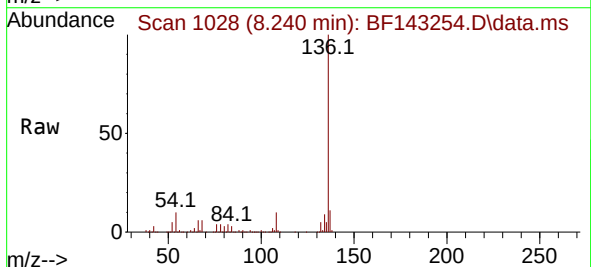
Instrument :
BNA_F
ClientSampleId :
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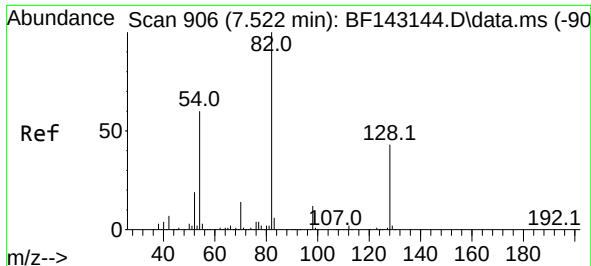
Tgt Ion: 99 Resp: 24853
Ion Ratio Lower Upper
99 100
42 23.0 17.0 25.6
71 37.0 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF143254.D
Acq: 25 Jul 2025 16:47

Tgt Ion: 136 Resp: 277331
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.9 8.2 12.2
68 5.9 5.4 8.2





#23

Nitrobenzene-d5

Concen: 2.792 ng

RT: 7.510 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF143254.D

Acq: 25 Jul 2025 16:47

Instrument :

BNA_F

ClientSampleId :

295

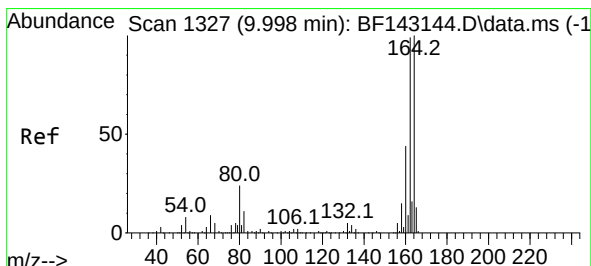
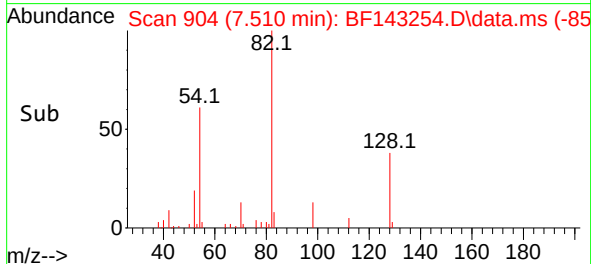
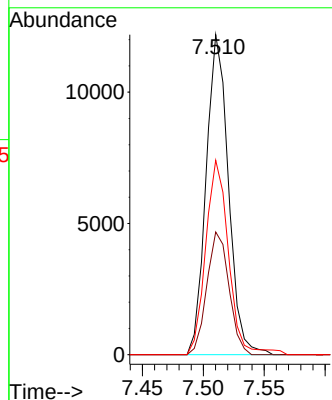
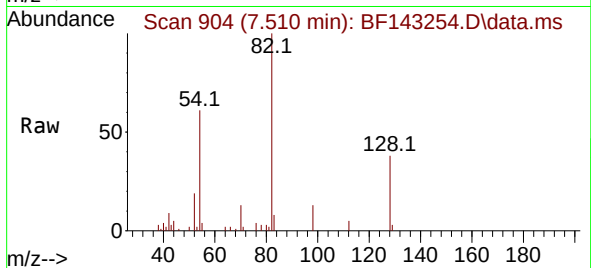
Tgt Ion: 82 Resp: 15533

Ion Ratio Lower Upper

82 100

128 38.4 33.6 50.4

54 60.8 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1328

Delta R.T. 0.006 min

Lab File: BF143254.D

Acq: 25 Jul 2025 16:47

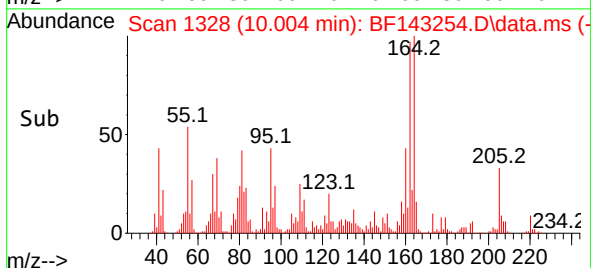
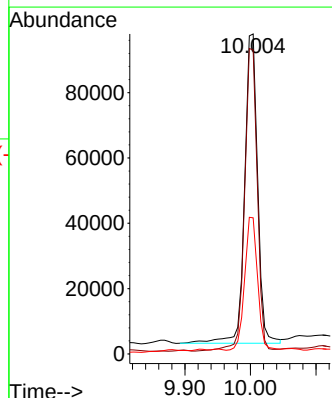
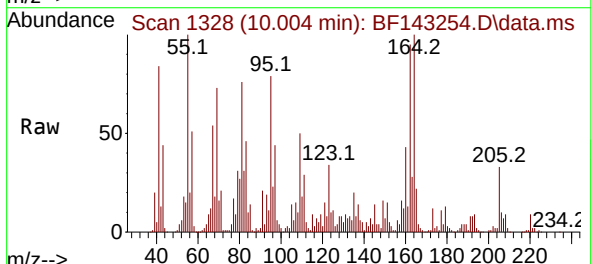
Tgt Ion: 164 Resp: 131317

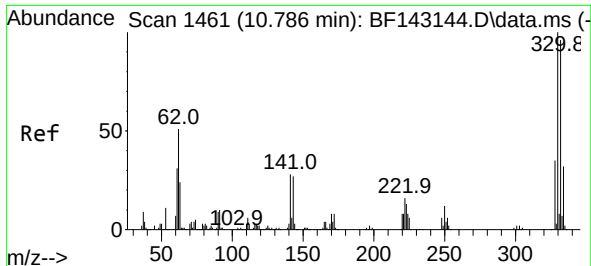
Ion Ratio Lower Upper

164 100

162 95.0 79.0 118.6

160 42.6 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 4.183 ng

RT: 10.792 min Scan# 1461

Delta R.T. 0.006 min

Lab File: BF143254.D

Acq: 25 Jul 2025 16:47

Instrument :

BNA_F

ClientSampleId :

295

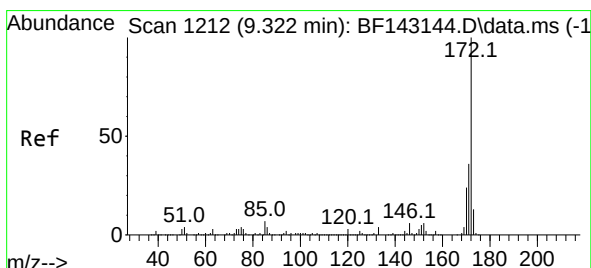
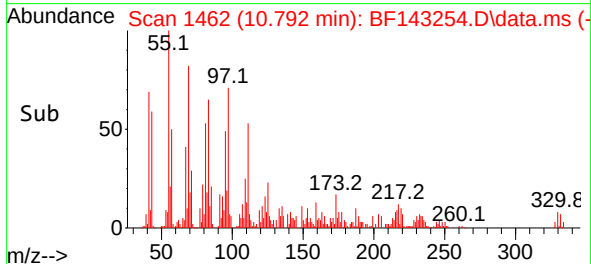
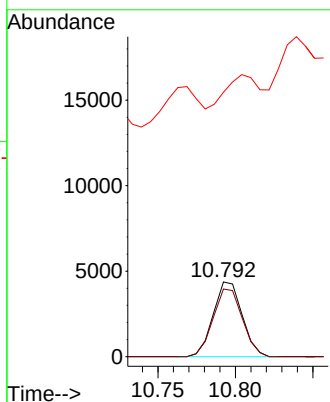
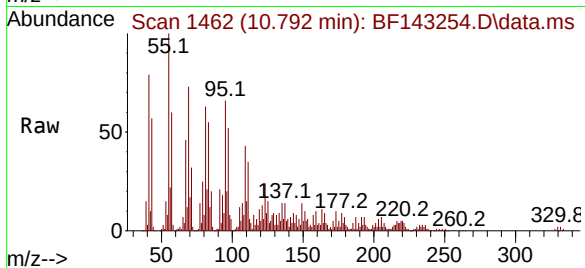
Tgt Ion:330 Resp: 5675

Ion Ratio Lower Upper

330 100

332 92.1 76.7 115.1

141 43.3 23.3 34.9#



#45

2-Fluorobiphenyl

Concen: 3.494 ng

RT: 9.310 min Scan# 1210

Delta R.T. -0.012 min

Lab File: BF143254.D

Acq: 25 Jul 2025 16:47

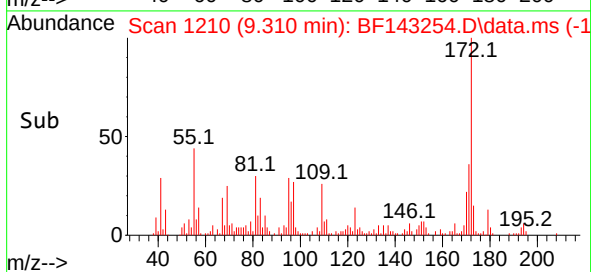
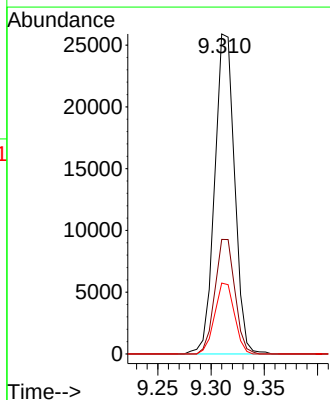
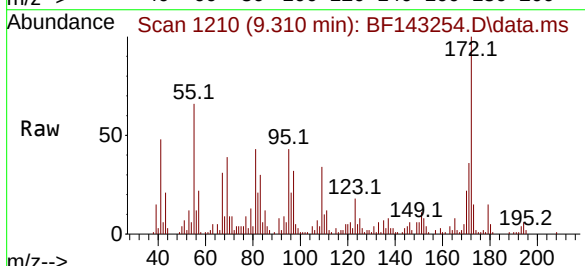
Tgt Ion:172 Resp: 33546

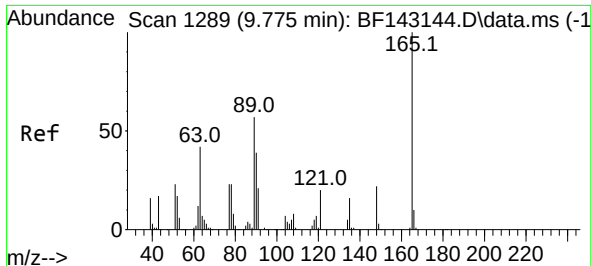
Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 22.1 18.8 28.2

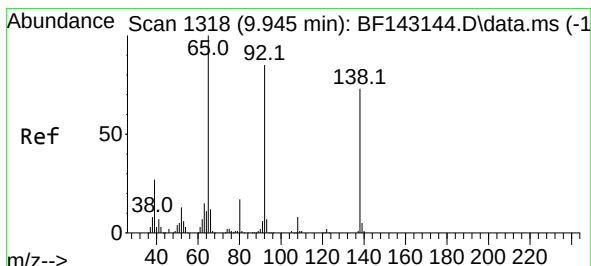
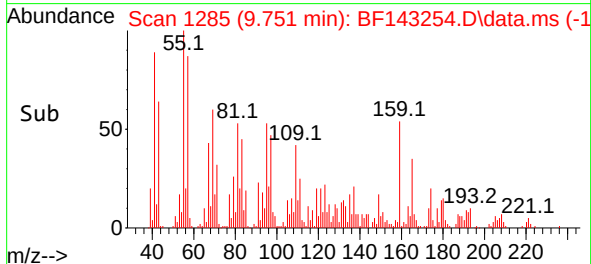
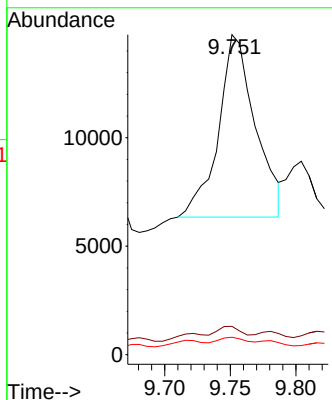
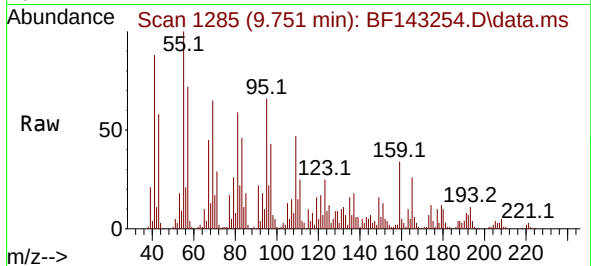




#51
2,6-Dinitrotoluene
Concen: 9.457 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF143254.D
Acq: 25 Jul 2025 16:47

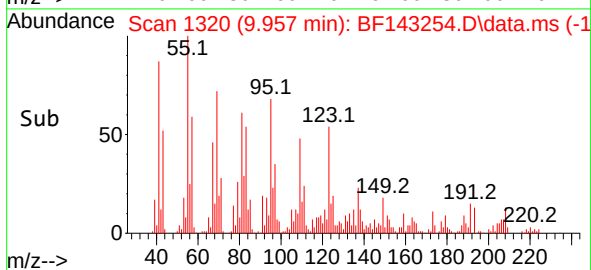
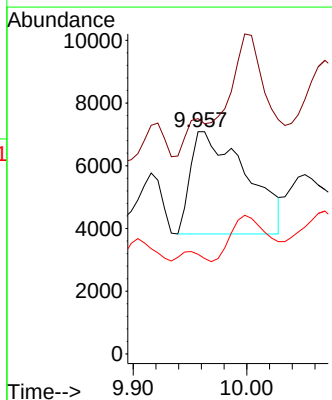
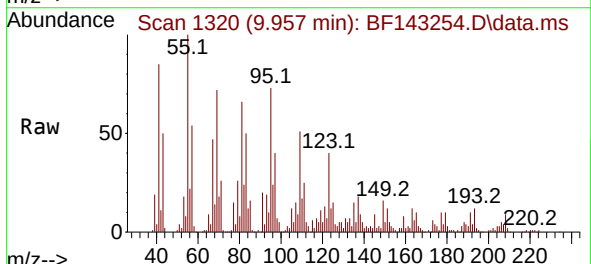
Instrument :
BNA_F
ClientSampleId :
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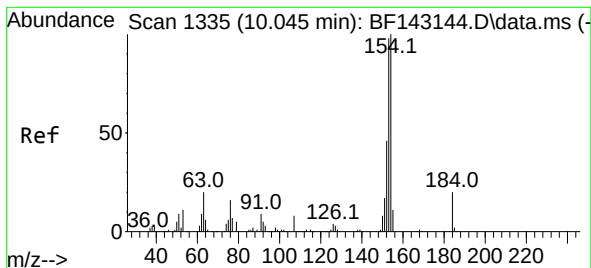
Tgt Ion:165 Resp: 16468
Ion Ratio Lower Upper
165 100
63 8.9 49.4 74.2#
89 5.5 46.2 69.2#



#53
3-Nitroaniline
Concen: 5.498 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.012 min
Lab File: BF143254.D
Acq: 25 Jul 2025 16:47

Tgt Ion:138 Resp: 11197
Ion Ratio Lower Upper
138 100
108 105.9 9.0 13.6#
92 44.9 93.0 139.4#





#54

2,4-Dinitrophenol

Concen: 6.792 ng

RT: 10.039 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143254.D

Acq: 25 Jul 2025 16:47

Instrument :

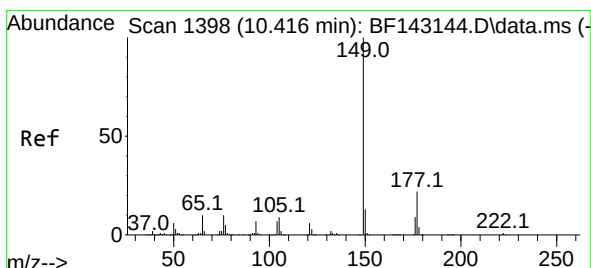
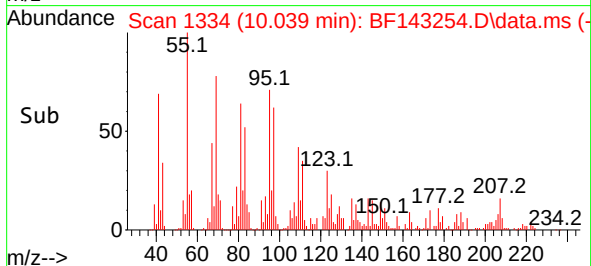
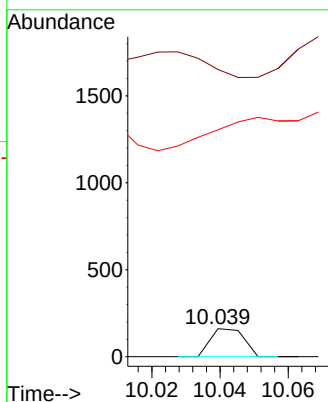
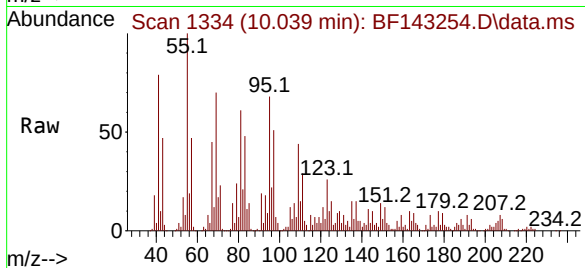
BNA_F

ClientSampleId :

295

Tgt Ion:184 Resp: 110

Ion	Ratio	Lower	Upper
184	100		
63	1025.5	81.8	122.6#
154	810.6	412.2	618.4#



#60

Diethylphthalate

Concen: 2.404 ng

RT: 10.416 min Scan# 1398

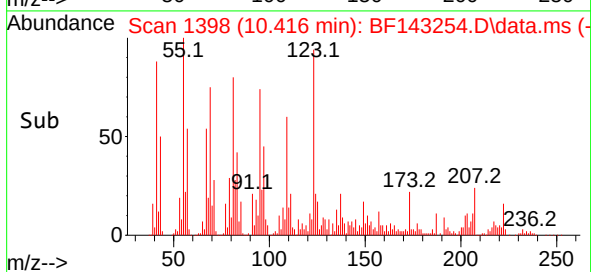
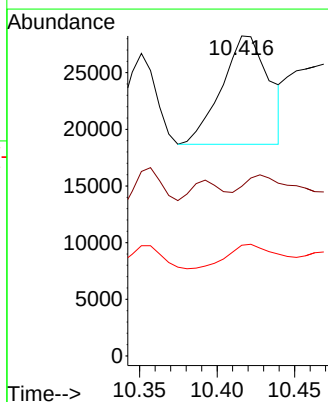
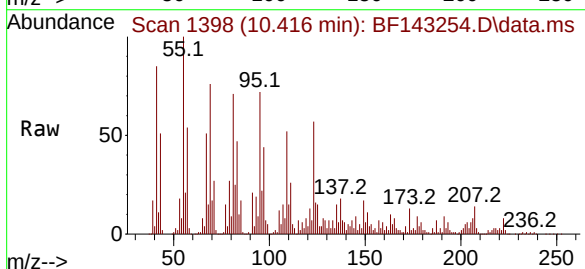
Delta R.T. 0.000 min

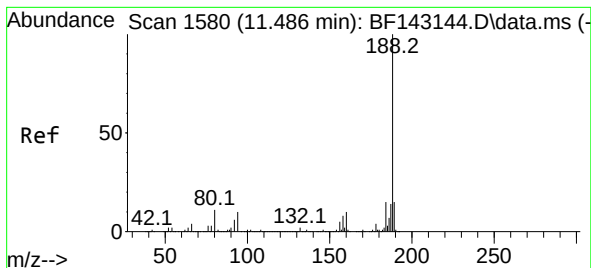
Lab File: BF143254.D

Acq: 25 Jul 2025 16:47

Tgt Ion:149 Resp: 20339

Ion	Ratio	Lower	Upper
149	100		
177	53.0	17.5	26.3#
150	34.6	10.2	15.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.510 min Scan# 1

Delta R.T. 0.024 min

Lab File: BF143254.D

Acq: 25 Jul 2025 16:47

Instrument :

BNA_F

ClientSampleId :

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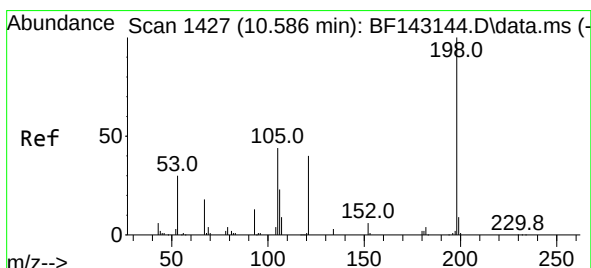
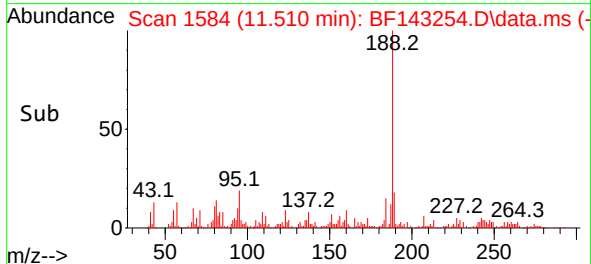
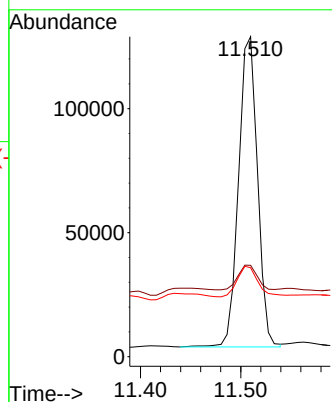
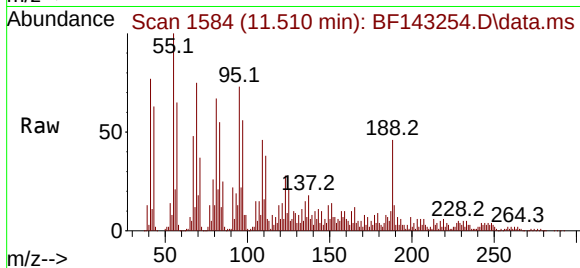
Tgt Ion:188 Resp: 164560

Ion Ratio Lower Upper

188 100

94 28.5 8.3 12.5#

80 27.8 9.0 13.6#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.976 ng

RT: 10.622 min Scan# 1433

Delta R.T. 0.036 min

Lab File: BF143254.D

Acq: 25 Jul 2025 16:47

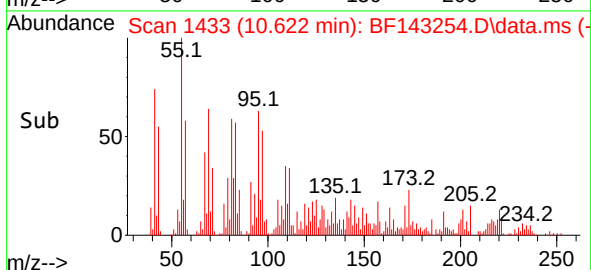
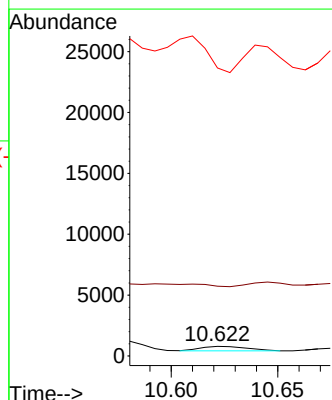
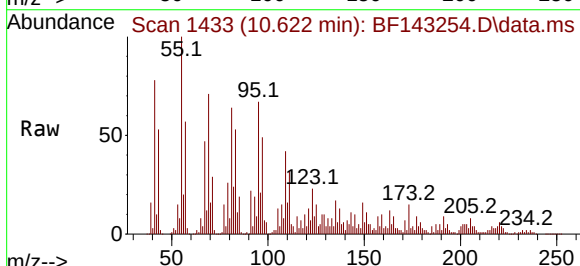
Tgt Ion:198 Resp: 548

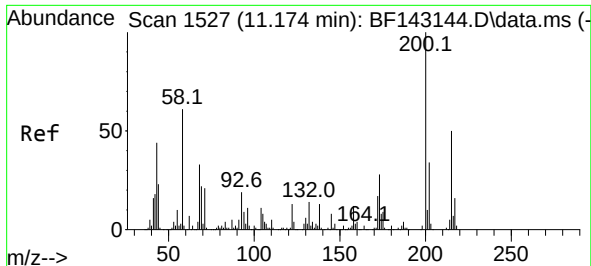
Ion Ratio Lower Upper

198 100

51 721.9 37.2 77.2#

105 2980.4 24.8 64.8#

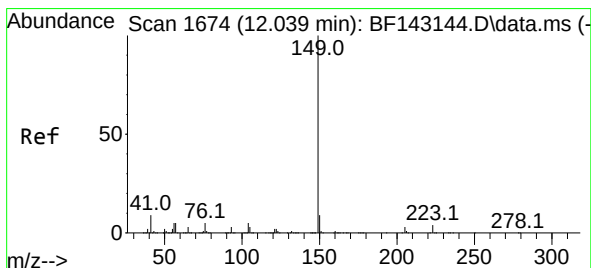
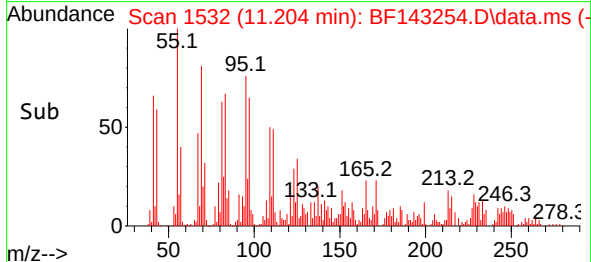
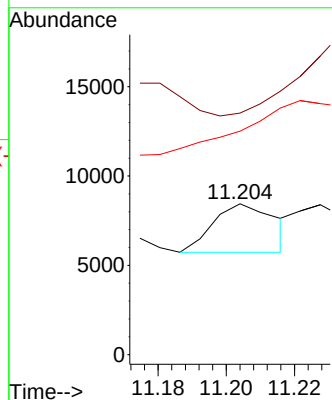
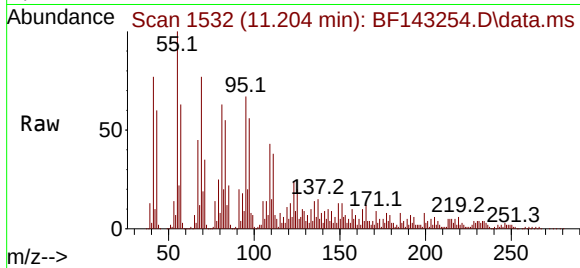




#69
 Atrazine
 Concen: 2.151 ng
 RT: 11.204 min Scan# 11204
 Delta R.T. 0.030 min
 Lab File: BF143254.D
 Acq: 25 Jul 2025 16:47

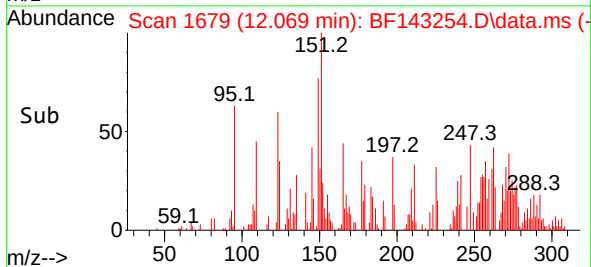
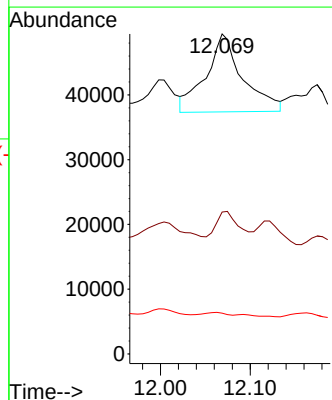
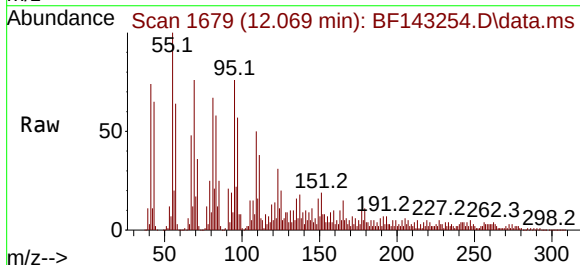
Instrument :
 BNA_F
 ClientSampleId :
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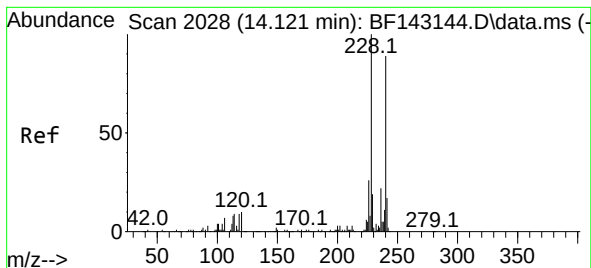
Tgt Ion:200 Resp: 3436
 Ion Ratio Lower Upper
 200 100
 173 160.0 7.9 47.9#
 215 148.1 30.1 70.1#



#74
 Di-n-butylphthalate
 Concen: 3.905 ng
 RT: 12.069 min Scan# 1679
 Delta R.T. 0.030 min
 Lab File: BF143254.D
 Acq: 25 Jul 2025 16:47

Tgt Ion:149 Resp: 34380
 Ion Ratio Lower Upper
 149 100
 150 44.3 7.4 11.2#
 104 12.8 3.8 5.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.145 min Scan# 20

Delta R.T. 0.024 min

Lab File: BF143254.D

Acq: 25 Jul 2025 16:47

Instrument :

BNA_F

ClientSampleId :

295

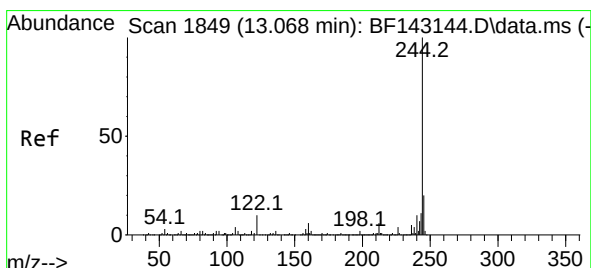
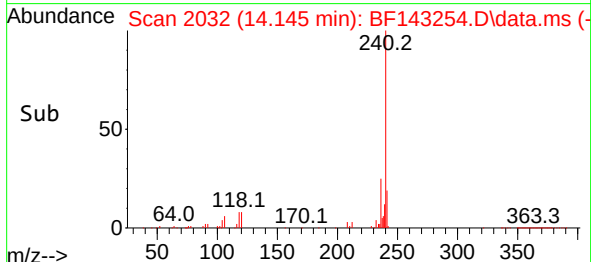
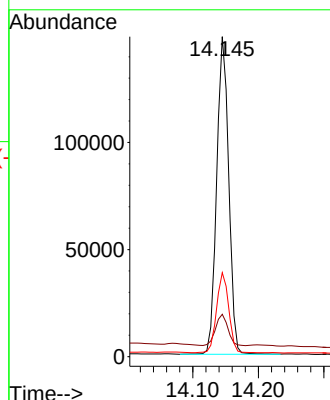
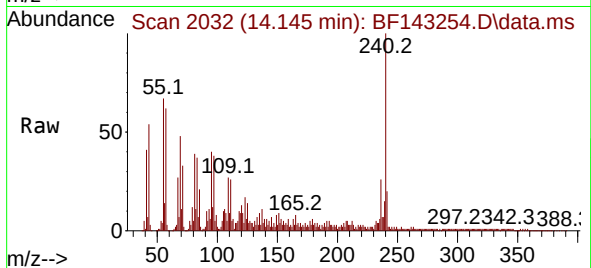
Tgt Ion:240 Resp: 188118

Ion Ratio Lower Upper

240 100

120 13.3 9.4 14.2

236 26.2 20.2 30.4



#79

Terphenyl-d14

Concen: 2.472 ng

RT: 13.092 min Scan# 1853

Delta R.T. 0.024 min

Lab File: BF143254.D

Acq: 25 Jul 2025 16:47

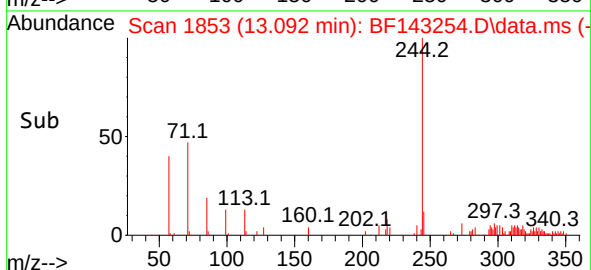
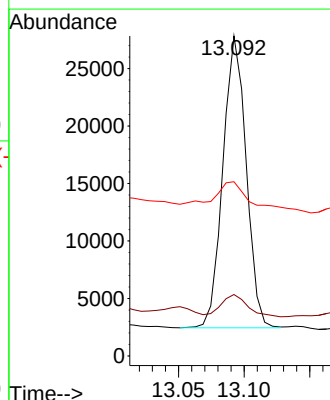
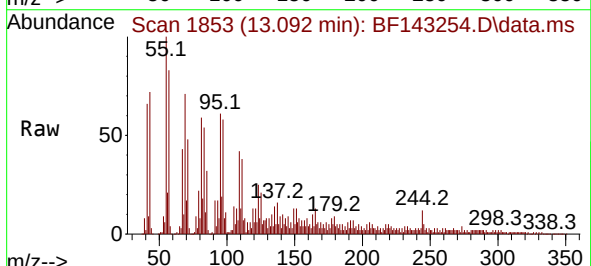
Tgt Ion:244 Resp: 31246

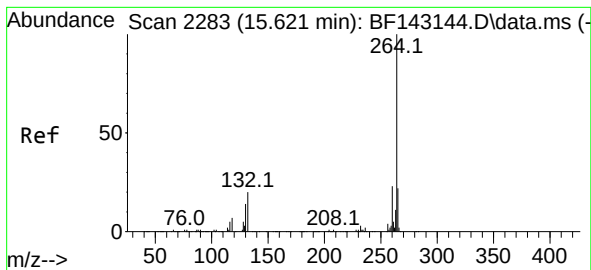
Ion Ratio Lower Upper

244 100

212 19.2 5.2 7.8#

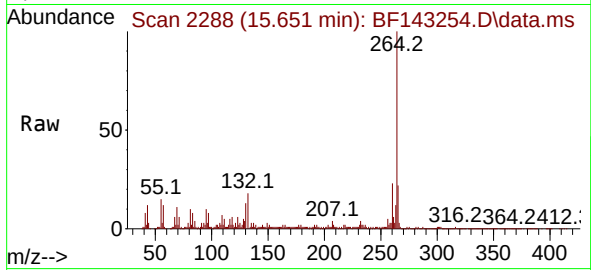
122 54.4 8.2 12.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.030 min
Lab File: BF143254.D
Acq: 25 Jul 2025 16:47

Instrument :
BNA_F
ClientSampleId :
295



Tgt Ion:264 Resp: 159915

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.5	27.7
265	21.6	17.4	26.2

