

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141344.D
 Acq On : 31 Jan 2025 20:56
 Operator : RC/JU
 Sample : Q1239-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 357

Quant Time: Jan 31 22:32:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

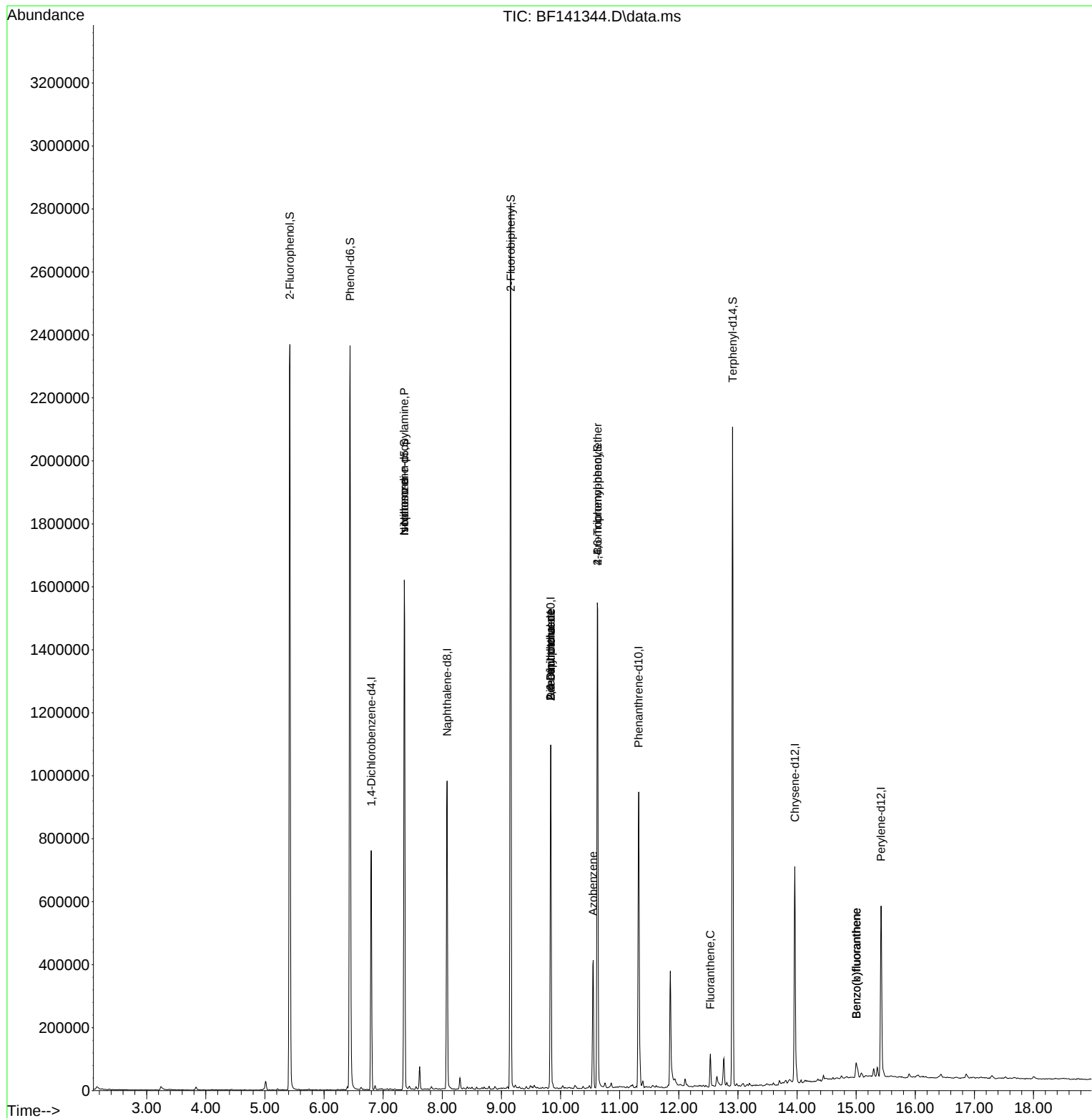
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	152887	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	609017	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	315245	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	470363	20.000	ng	0.00
76) Chrysene-d12	13.963	240	307038	20.000	ng	-0.01
86) Perylene-d12	15.421	264	311826	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	904249	90.799	ng	0.01
7) Phenol-d6	6.440	99	1131739	89.333	ng	0.00
23) Nitrobenzene-d5	7.357	82	717825	62.135	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	256685	88.816	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1245336	60.804	ng	0.00
79) Terphenyl-d14	12.910	244	1010630	50.762	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	95520	12.689	ng	# 75
25) Isophorone	7.357	82	709624	35.535	ng	# 64
50) Dimethylphthalate	9.834	163	47449	2.229	ng	# 1
51) 2,6-Dinitrotoluene	9.834	165	41809	8.457	ng	# 23
57) 2,4-Dinitrotoluene	9.834	165	41809	6.532	ng	# 23
63) Azobenzene	10.551	77	104069	5.036	ng	# 1
67) 4-Bromophenyl-phenylether	10.628	248	16996	3.228	ng	# 1
75) Fluoranthene	12.533	202	57595	2.307	ng	99
88) Benzo(b)fluoranthene	15.004	252	39692	2.024	ng	# 93
89) Benzo(k)fluoranthene	15.004	252	39692	2.284	ng	# 93

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

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Misc :
ALS Vial : 10 Sample Multiplier: 1

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Quant Time: Jan 31 22:32:25 2025
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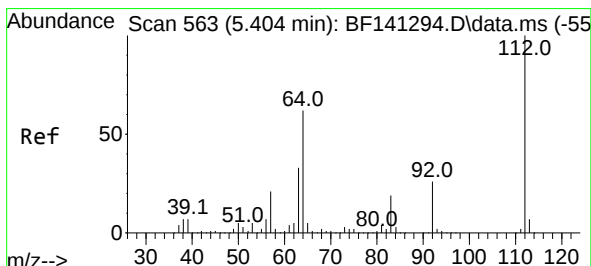
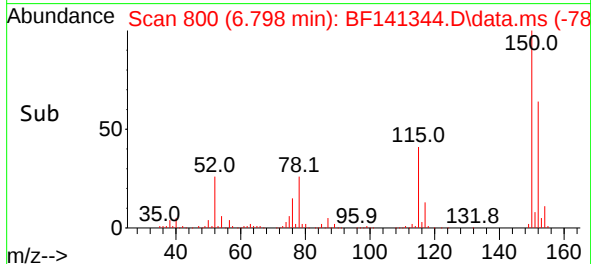
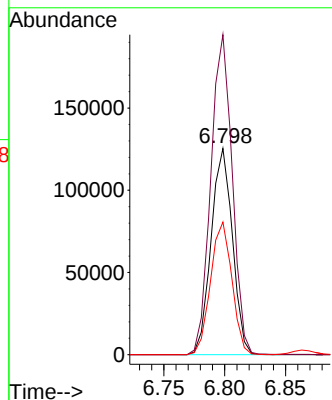
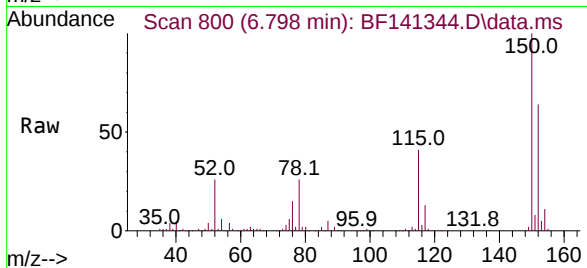




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF141344.D
 Acq: 31 Jan 2025 20:56

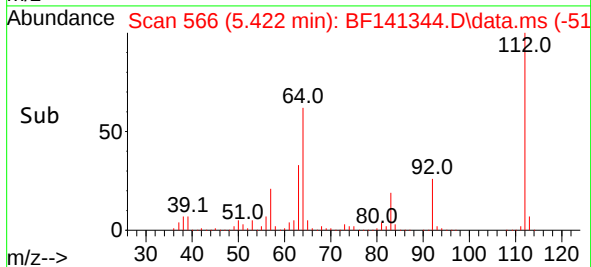
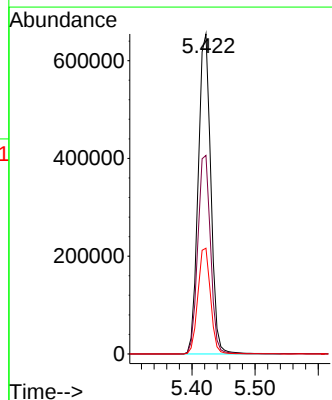
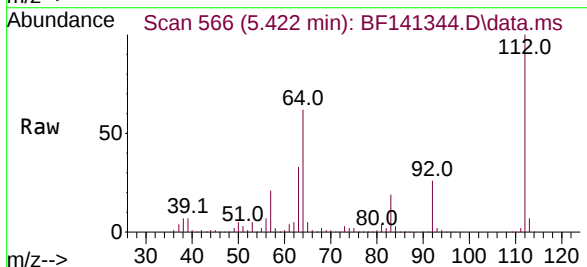
Instrument :
 BNA_F
 ClientSampleId :
 357

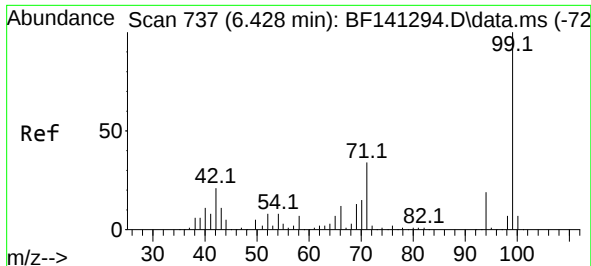
Tgt Ion:152 Resp: 152887
 Ion Ratio Lower Upper
 152 100
 150 155.1 125.9 188.9
 115 64.3 49.7 74.5



#5
 2-Fluorophenol
 Concen: 90.799 ng
 RT: 5.422 min Scan# 566
 Delta R.T. 0.012 min
 Lab File: BF141344.D
 Acq: 31 Jan 2025 20:56

Tgt Ion:112 Resp: 904249
 Ion Ratio Lower Upper
 112 100
 64 62.1 49.8 74.8
 63 33.0 26.1 39.1

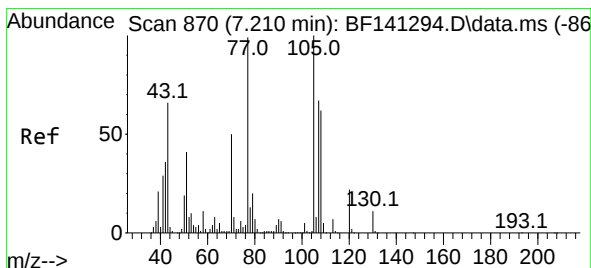
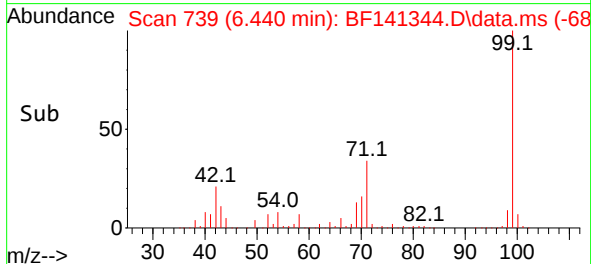
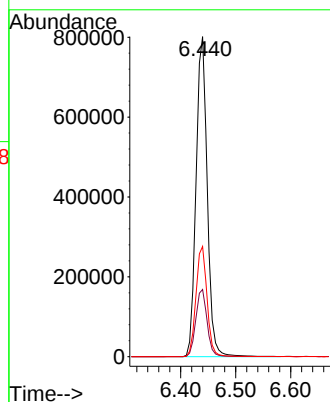
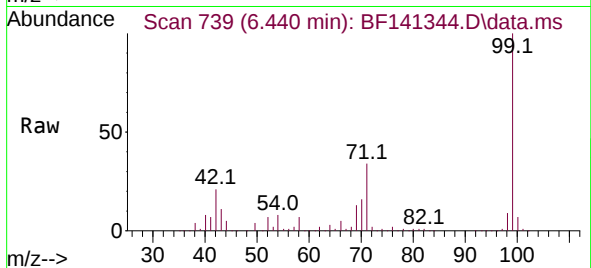




#7
Phenol-d6
Concen: 89.333 ng
RT: 6.440 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF141344.D
Acq: 31 Jan 2025 20:56

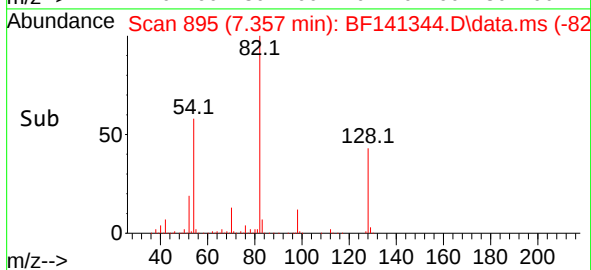
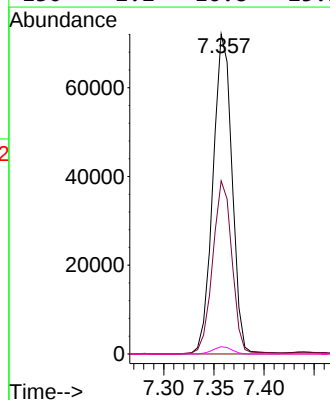
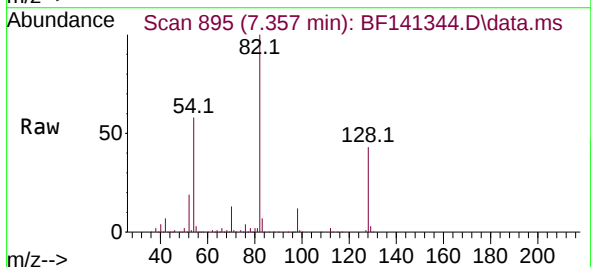
Instrument :
BNA_F
ClientSampleId :
357

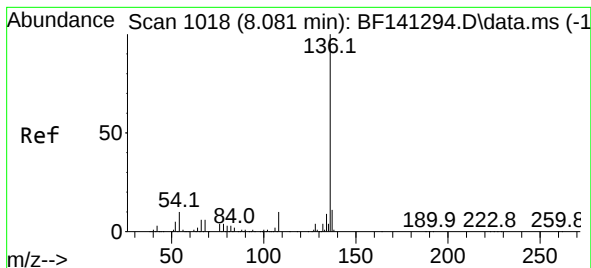
Tgt Ion: 99 Resp: 1131739
Ion Ratio Lower Upper
99 100
42 21.0 17.1 25.7
71 34.4 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 12.689 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF141344.D
Acq: 31 Jan 2025 20:56

Tgt Ion: 70 Resp: 95520
Ion Ratio Lower Upper
70 100
42 54.1 56.8 85.2#
101 0.0 7.7 11.5#
130 2.2 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141344.D

Acq: 31 Jan 2025 20:56

Instrument :

BNA_F

ClientSampleId :

357

Tgt Ion:136 Resp: 609017

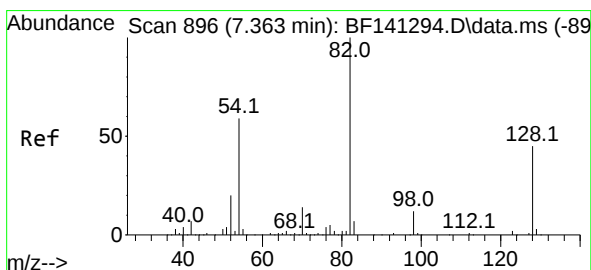
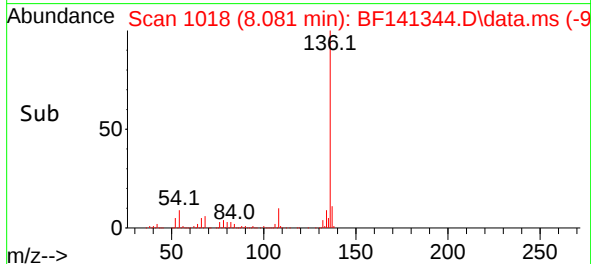
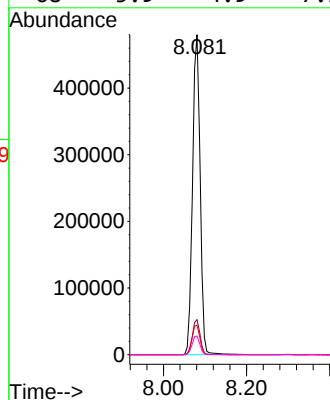
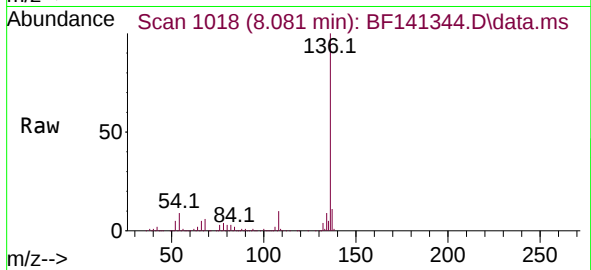
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.3 7.8 11.8

68 5.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 62.135 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141344.D

Acq: 31 Jan 2025 20:56

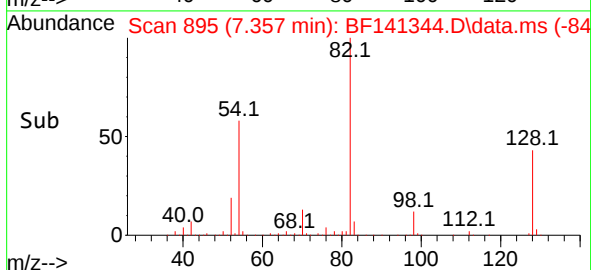
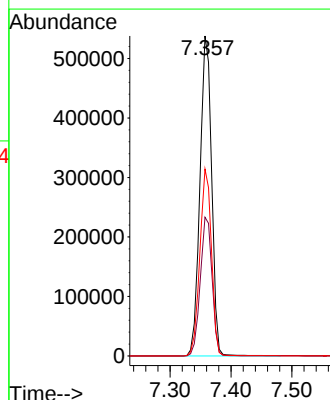
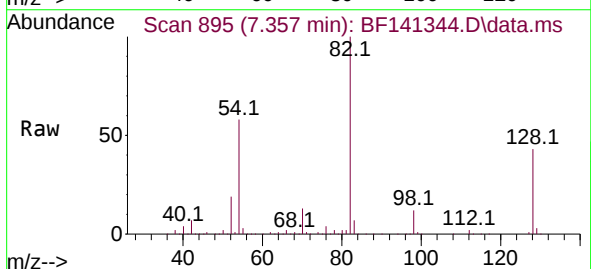
Tgt Ion: 82 Resp: 717825

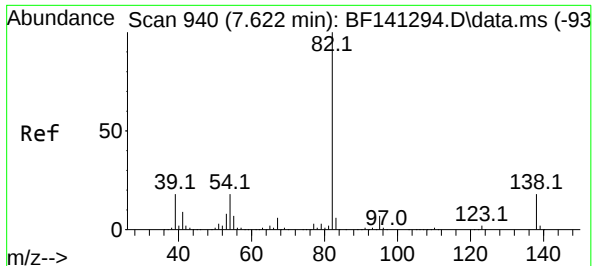
Ion Ratio Lower Upper

82 100

128 43.3 35.7 53.5

54 58.4 47.1 70.7

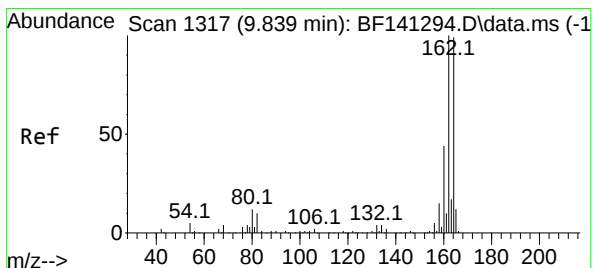
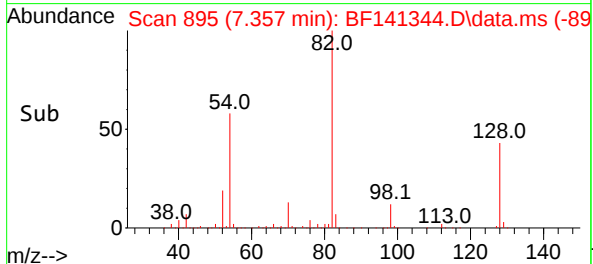
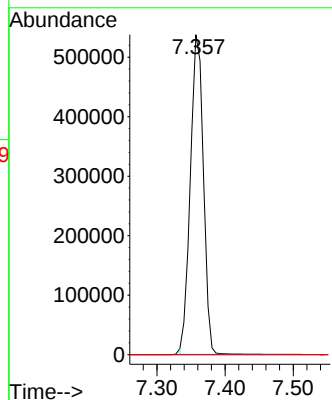
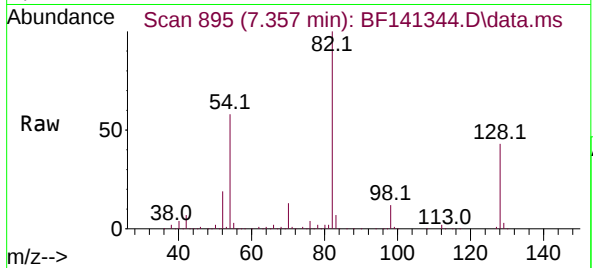




#25
Isophorone
Concen: 35.535 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF141344.D
Acq: 31 Jan 2025 20:56

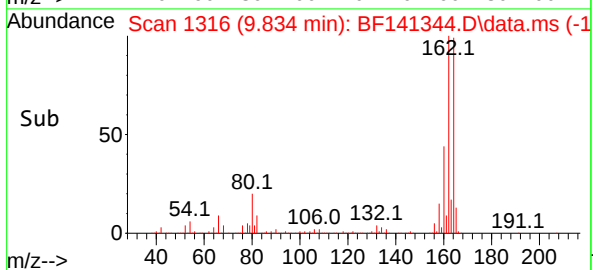
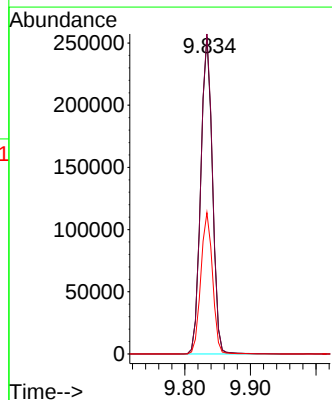
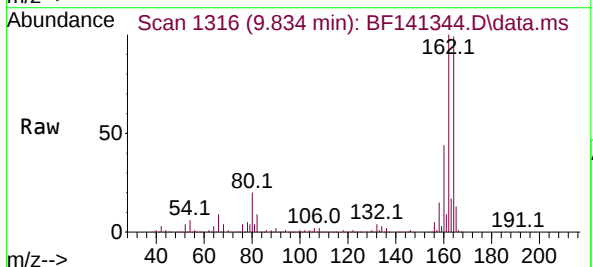
Instrument :
BNA_F
ClientSampleId :
357

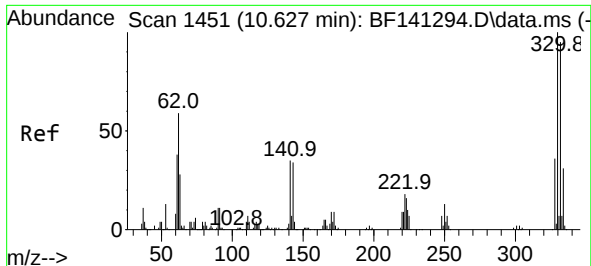
Tgt Ion: 82 Resp: 709624
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141344.D
Acq: 31 Jan 2025 20:56

Tgt Ion:164 Resp: 315245
Ion Ratio Lower Upper
164 100
162 101.0 80.6 121.0
160 44.6 35.8 53.6

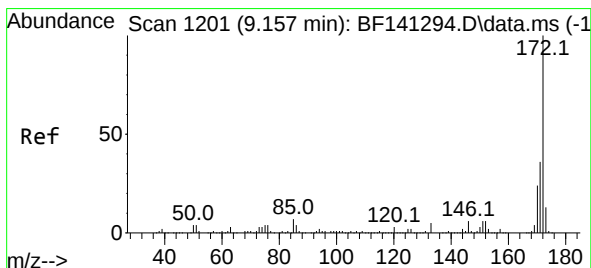
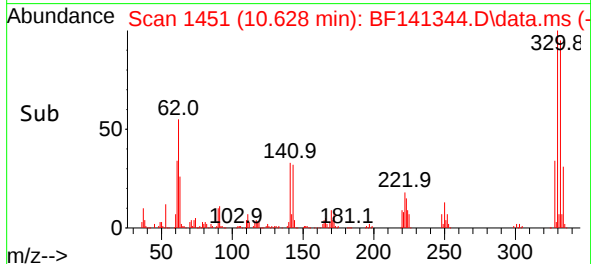
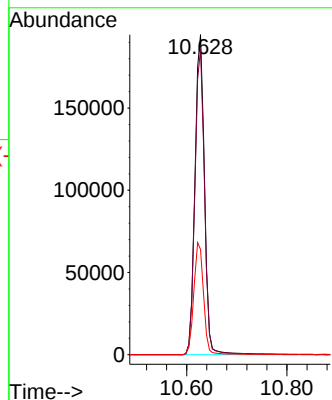
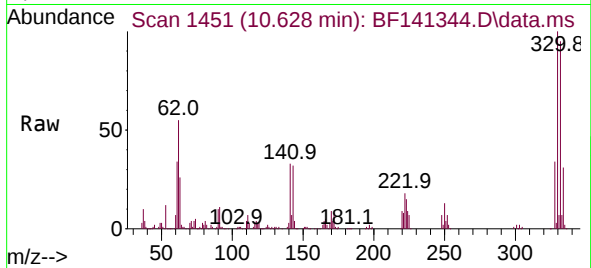




#42
2,4,6-Tribromophenol
Concen: 88.816 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141344.D
Acq: 31 Jan 2025 20:56

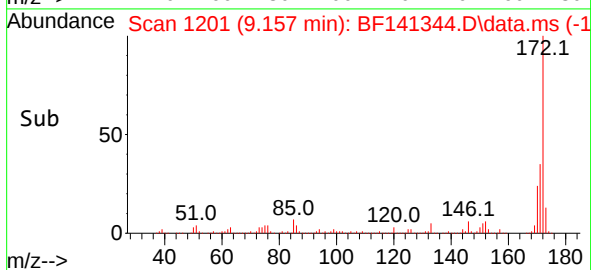
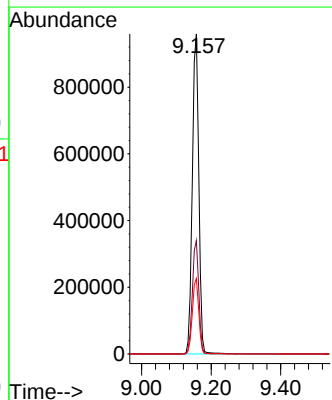
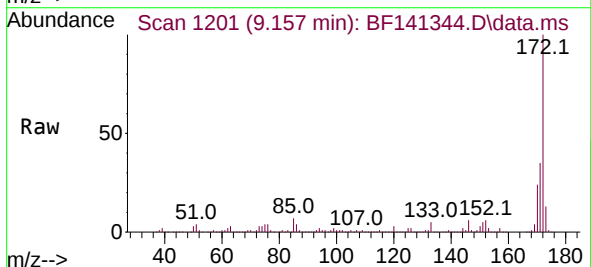
Instrument :
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ClientSampleId :
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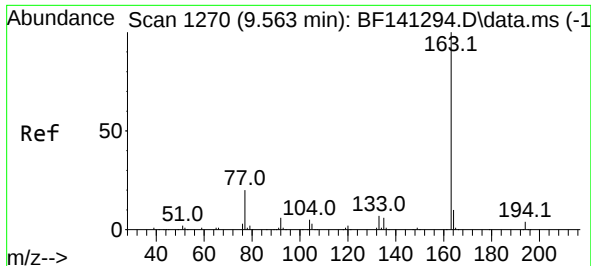
Tgt Ion: 330 Resp: 256685
Ion Ratio Lower Upper
330 100
332 96.3 76.1 114.1
141 35.8 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 60.804 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141344.D
Acq: 31 Jan 2025 20:56

Tgt Ion: 172 Resp: 1245336
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.5 19.0 28.6

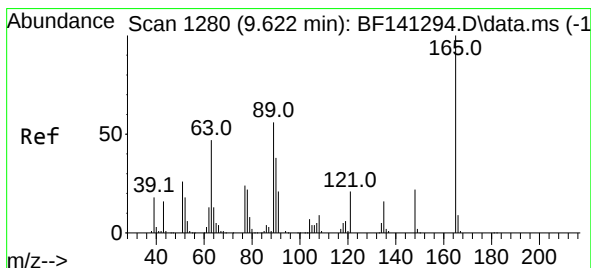
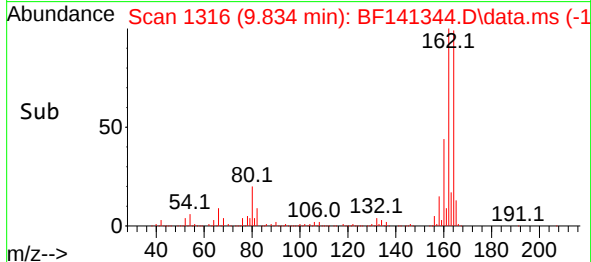
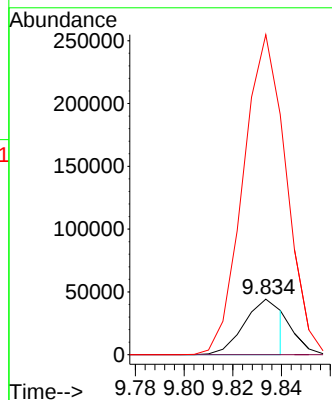
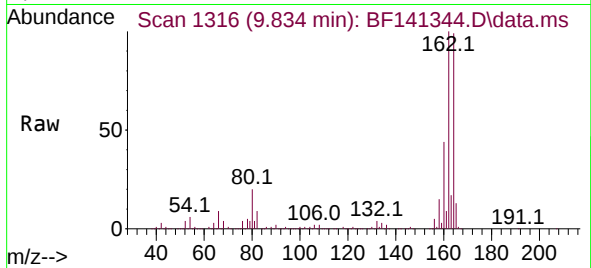




#50
Dimethylphthalate
Concen: 2.229 ng
RT: 9.834 min Scan# 1316
Delta R.T. 0.265 min
Lab File: BF141344.D
Acq: 31 Jan 2025 20:56

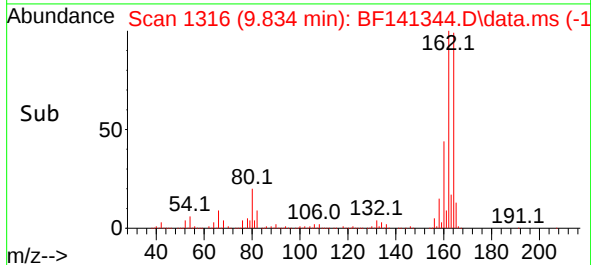
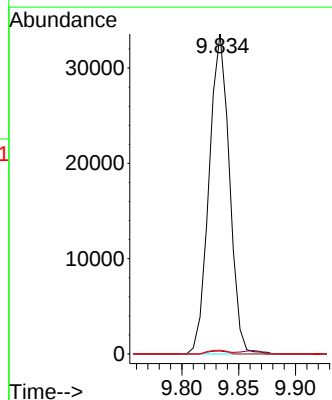
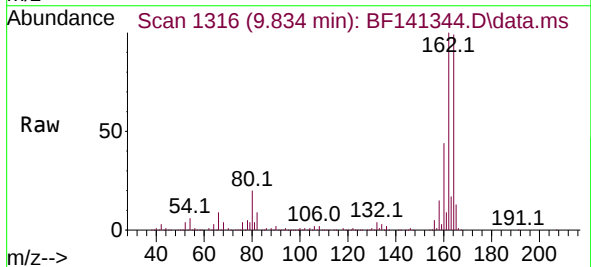
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ClientSampleId :
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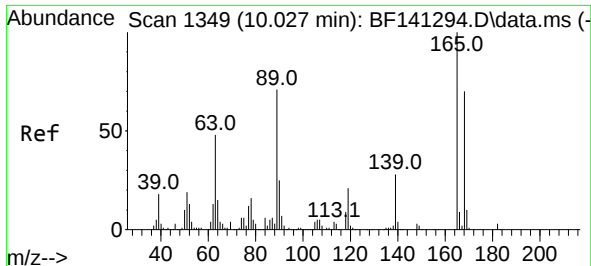
Tgt Ion:163 Resp: 47449
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 577.1 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 8.457 ng
RT: 9.834 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF141344.D
Acq: 31 Jan 2025 20:56

Tgt Ion:165 Resp: 41809
Ion Ratio Lower Upper
165 100
63 0.9 48.1 72.1#
89 1.2 44.9 67.3#

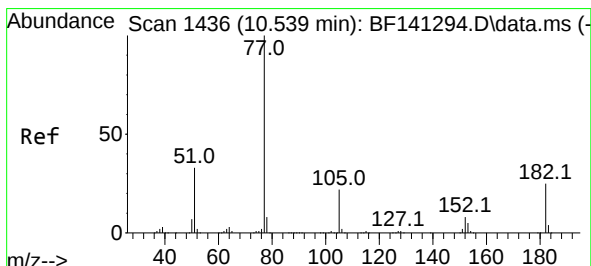
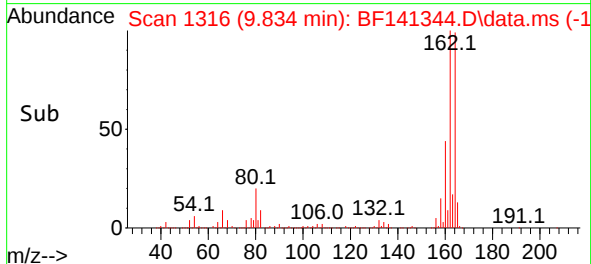
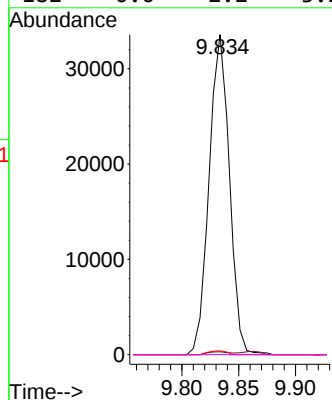
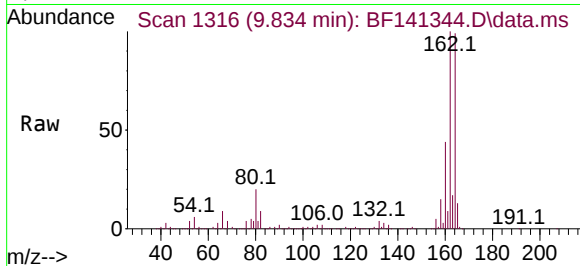




#57
2,4-Dinitrotoluene
Concen: 6.532 ng
RT: 9.834 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF141344.D
Acq: 31 Jan 2025 20:56

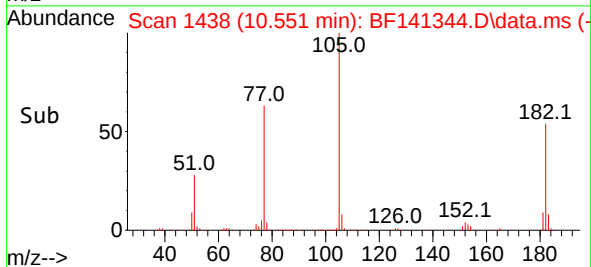
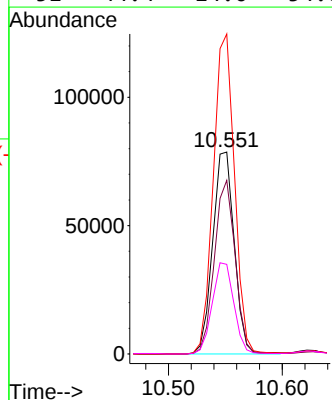
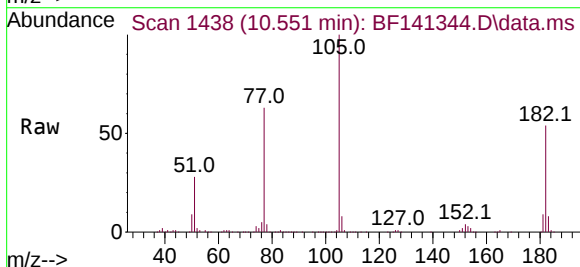
Instrument :
BNA_F
ClientSampleId :
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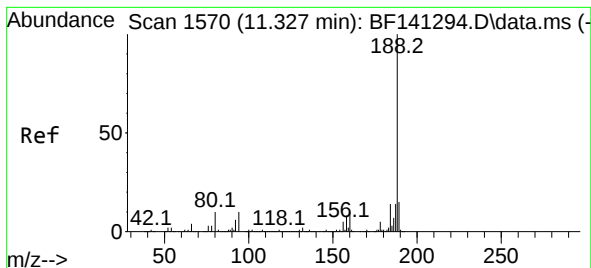
Tgt Ion:165 Resp: 41809
Ion Ratio Lower Upper
165 100
63 0.9 39.2 58.8#
89 1.2 56.9 85.3#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 5.036 ng
RT: 10.551 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF141344.D
Acq: 31 Jan 2025 20:56

Tgt Ion: 77 Resp: 104069
Ion Ratio Lower Upper
77 100
182 86.0 5.1 45.1#
105 158.5 1.8 41.8#
51 44.4 14.0 54.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141344.D

Acq: 31 Jan 2025 20:56

Instrument :

BNA_F

ClientSampleId :

357

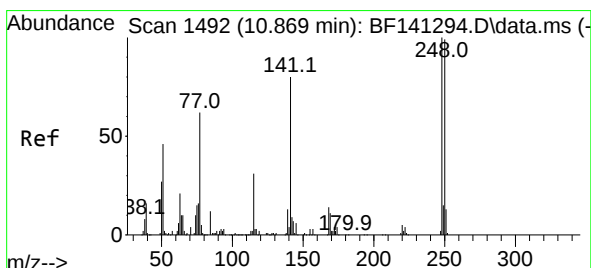
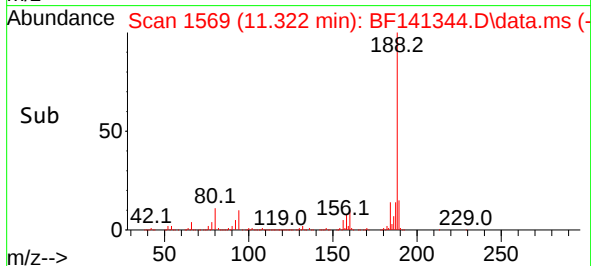
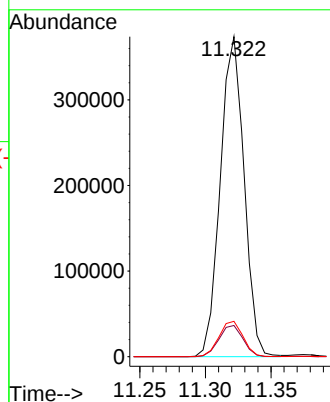
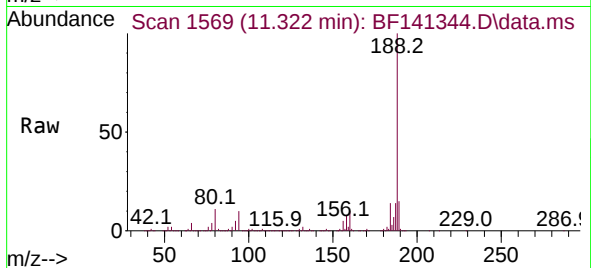
Tgt Ion:188 Resp: 470363

Ion Ratio Lower Upper

188 100

94 9.7 7.8 11.6

80 11.1 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 3.228 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.247 min

Lab File: BF141344.D

Acq: 31 Jan 2025 20:56

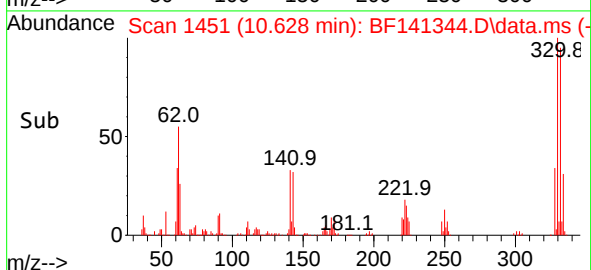
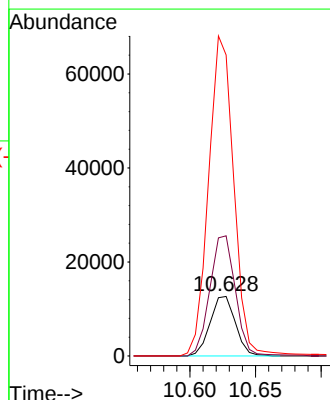
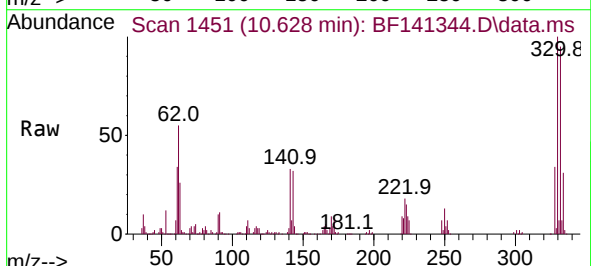
Tgt Ion:248 Resp: 16996

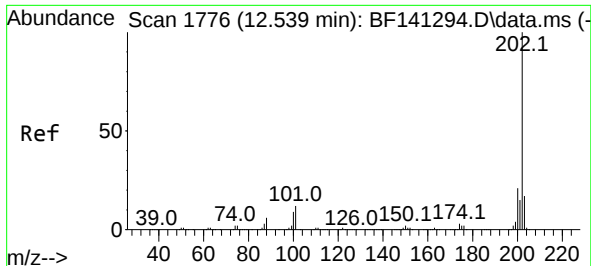
Ion Ratio Lower Upper

248 100

250 201.5 79.0 118.4#

141 504.9 63.7 95.5#

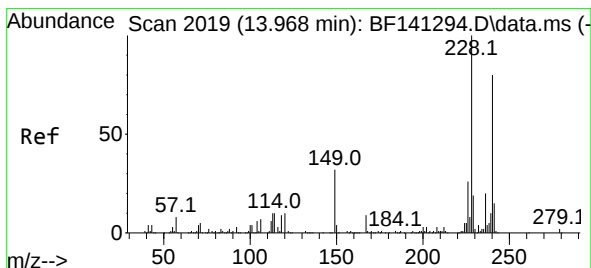
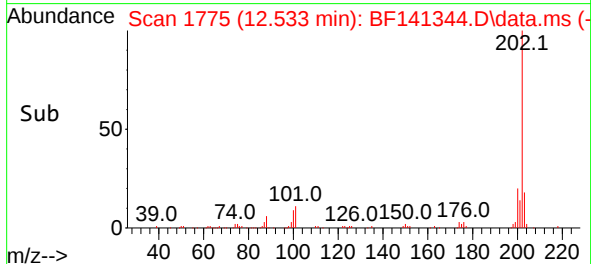
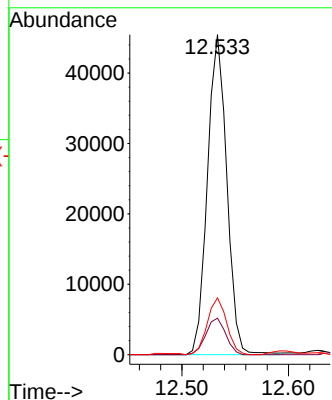
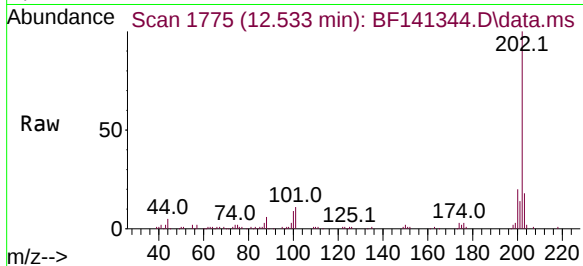




#75
Fluoranthene
Concen: 2.307 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141344.D
Acq: 31 Jan 2025 20:56

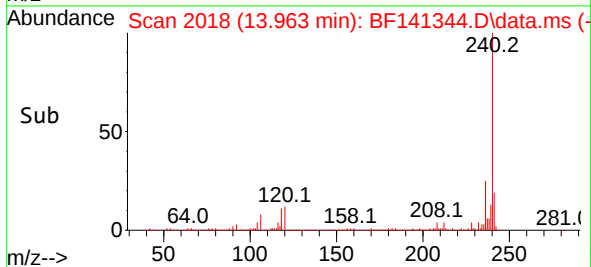
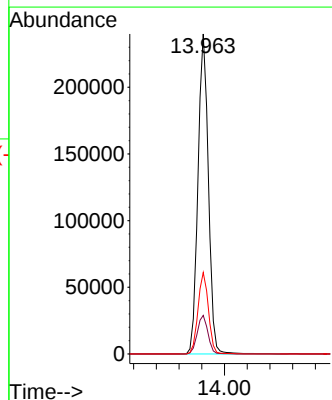
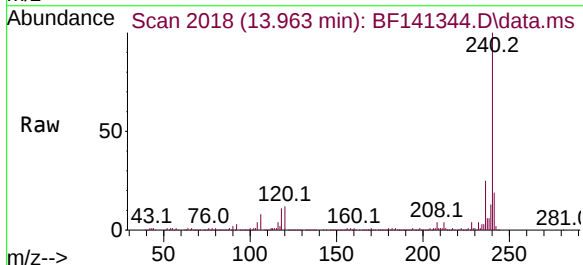
Instrument :
BNA_F
ClientSampleId :
357

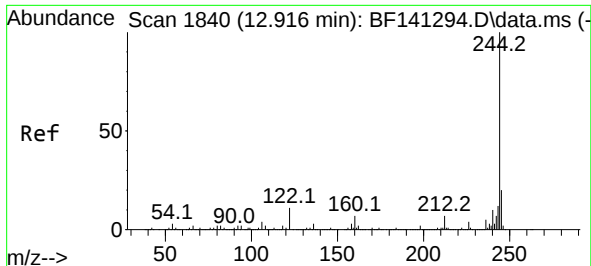
Tgt Ion:202 Resp: 57595
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.7
203 17.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141344.D
Acq: 31 Jan 2025 20:56

Tgt Ion:240 Resp: 307038
Ion Ratio Lower Upper
240 100
120 12.1 10.0 15.0
236 25.4 19.7 29.5

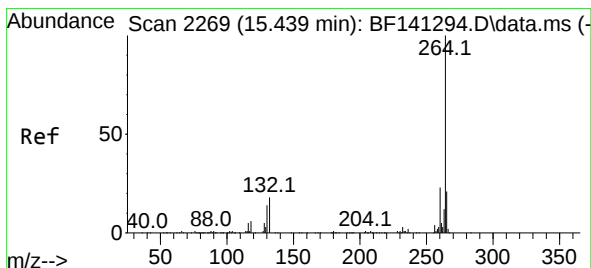
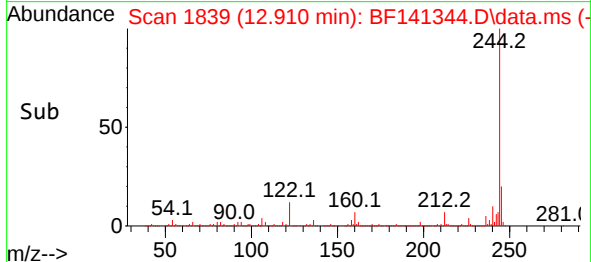
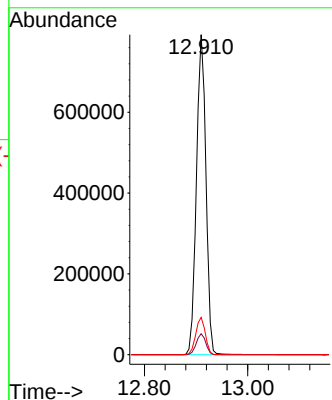
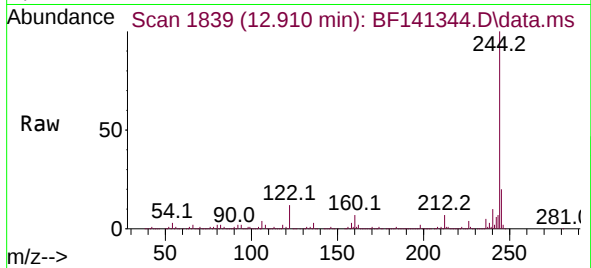




#79
 Terphenyl-d14
 Concen: 50.762 ng
 RT: 12.910 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF141344.D
 Acq: 31 Jan 2025 20:56

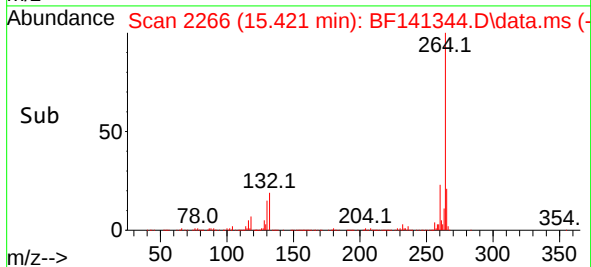
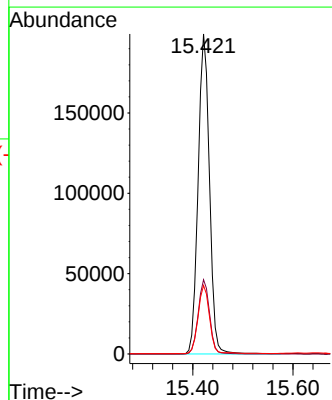
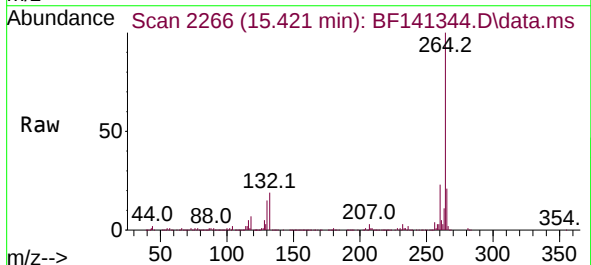
Instrument :
 BNA_F
 ClientSampleId :
 357

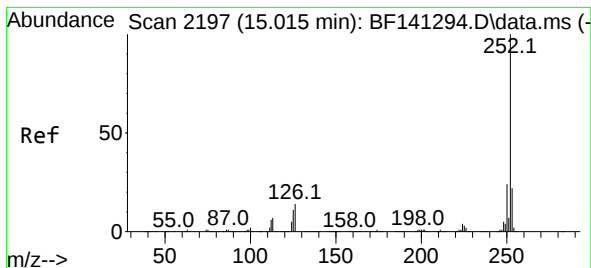
Tgt Ion:244 Resp: 1010630
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.6 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 2266
 Delta R.T. -0.018 min
 Lab File: BF141344.D
 Acq: 31 Jan 2025 20:56

Tgt Ion:264 Resp: 311826
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 27.8
 265 21.4 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 2.024 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141344.D

Acq: 31 Jan 2025 20:56

Instrument :

BNA_F

ClientSampleId :

357

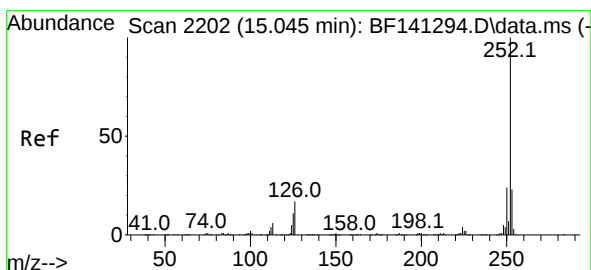
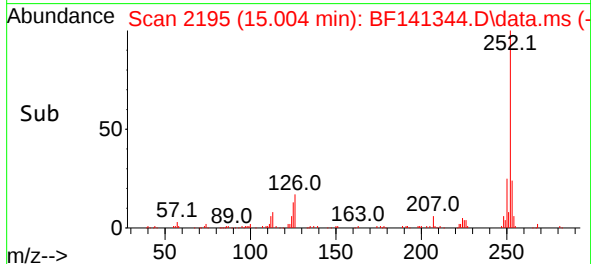
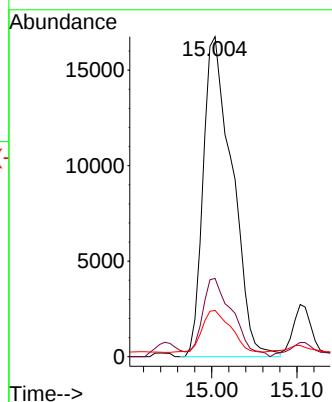
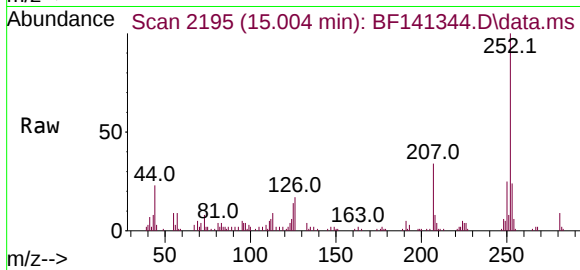
Tgt Ion:252 Resp: 39692

Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.2

125 14.4 8.6 12.8#



#89

Benzo(k)fluoranthene

Concen: 2.284 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.047 min

Lab File: BF141344.D

Acq: 31 Jan 2025 20:56

Tgt Ion:252 Resp: 39692

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 14.4 8.4 12.6#

