

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031925\
 Data File : BF141999.D
 Acq On : 19 Mar 2025 11:47
 Operator : RC/JU
 Sample : Q1590-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20071

Quant Time: Mar 19 12:10:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

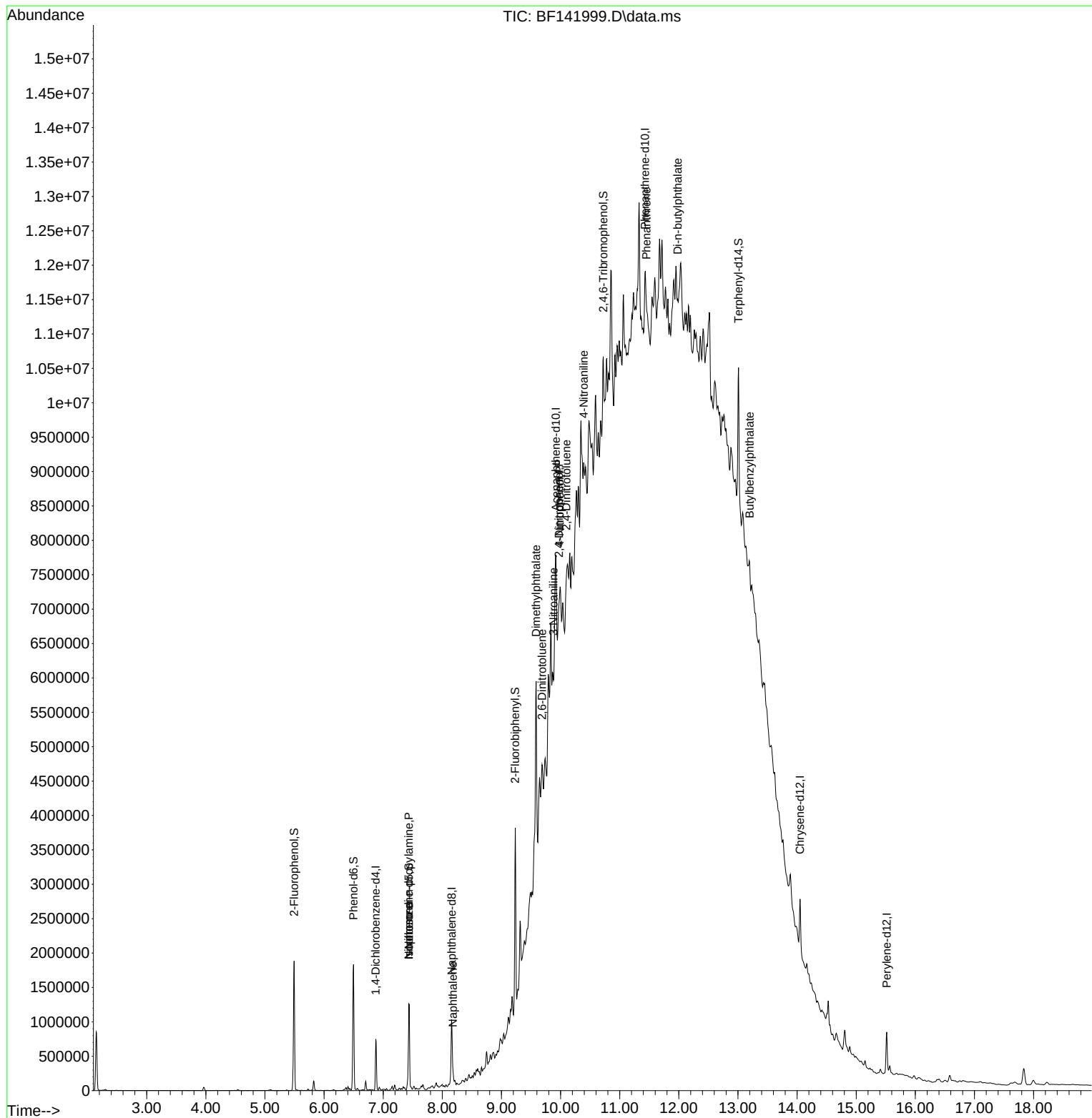
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	159391	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	603378	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	277983	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	396447	20.000	ng	# 0.02
76) Chrysene-d12	14.051	240	323444	20.000	ng	0.01
86) Perylene-d12	15.515	264	374135	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	713302	74.689	ng	0.00
7) Phenol-d6	6.498	99	893138	73.451	ng	0.00
23) Nitrobenzene-d5	7.434	82	583195	54.393	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	312191	88.525	ng	0.02
45) 2-Fluorobiphenyl	9.233	172	1147107	62.757	ng	0.00
79) Terphenyl-d14	13.010	244	1060168	48.460	ng	0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	83129	10.639	ng	# 77
25) Isophorone	7.434	82	570768	30.116	ng	# 64
31) Naphthalene	8.181	128	83311	2.688	ng	99
50) Dimethylphthalate	9.586	163	229209	11.775	ng	# 83
51) 2,6-Dinitrotoluene	9.686	165	19618	4.840	ng	# 31
53) 3-Nitroaniline	9.880	138	18458	4.490	ng	# 28
54) 2,4-Dinitrophenol	9.975	184	880	6.924	ng	# 1
56) 4-Nitrophenol	9.986	139	8607	2.776	ng	# 1
57) 2,4-Dinitrotoluene	10.098	165	14644	2.766	ng	# 42
62) 4-Nitroaniline	10.392	138	28909	7.223	ng	82
71) Phenanthrene	11.451	178	76365	3.566	ng	# 1
74) Di-n-butylphthalate	11.980	149	52807	2.148	ng	# 19
80) Butylbenzylphthalate	13.198	149	33811	3.088	ng	# 51

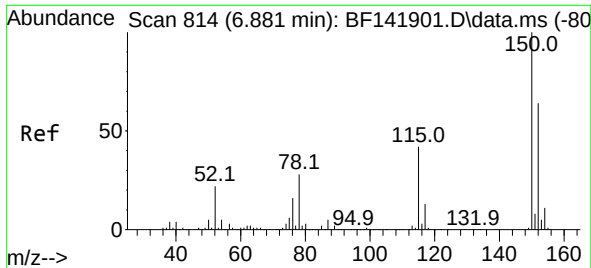
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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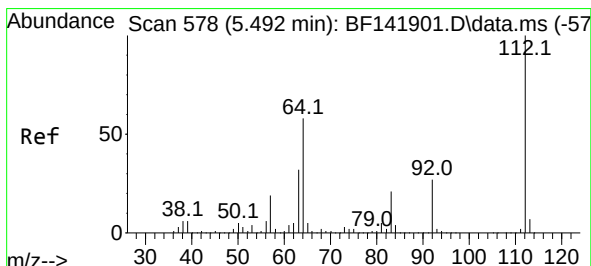
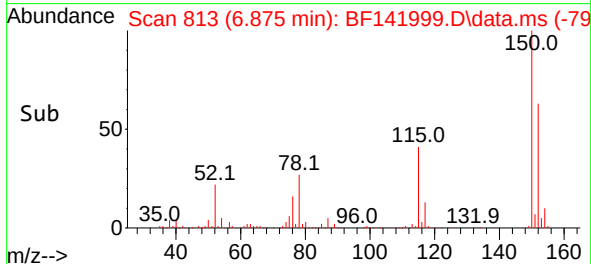
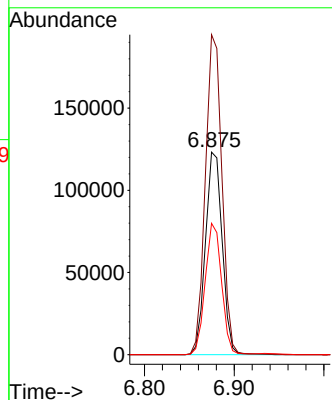
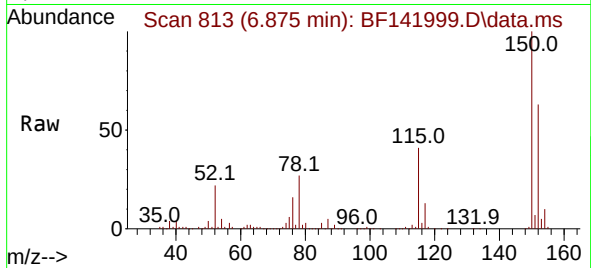




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

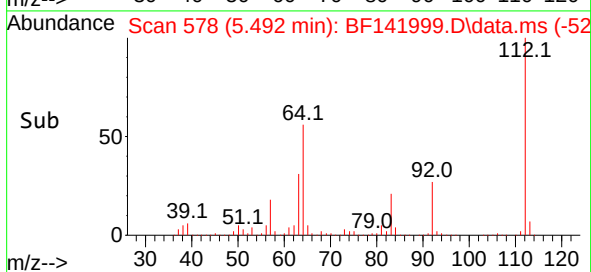
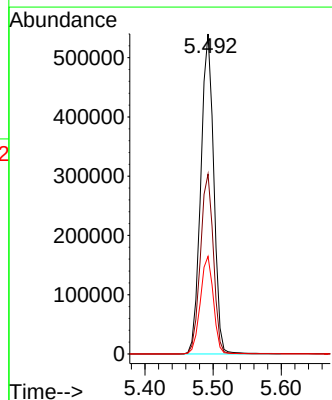
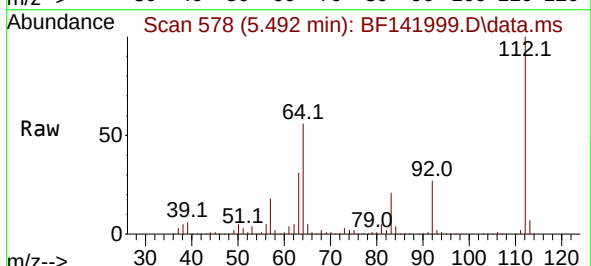
Instrument :
BNA_F
ClientSampleId :
20071

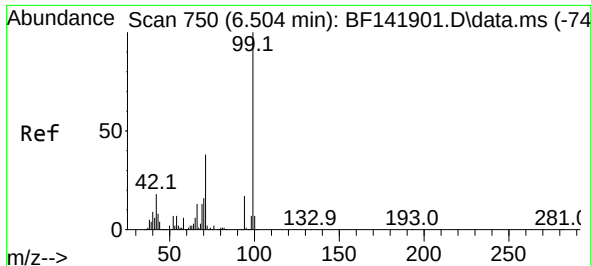
Tgt Ion:152 Resp: 159391
Ion Ratio Lower Upper
152 100
150 158.0 127.4 191.2
115 64.8 51.9 77.9



#5
2-Fluorophenol
Concen: 74.689 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

Tgt Ion:112 Resp: 713302
Ion Ratio Lower Upper
112 100
64 56.2 46.5 69.7
63 30.5 25.4 38.2





#7
Phenol-d6
Concen: 73.451 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

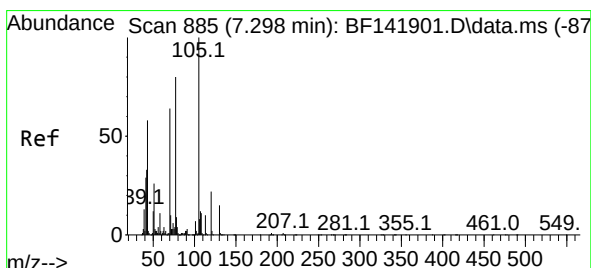
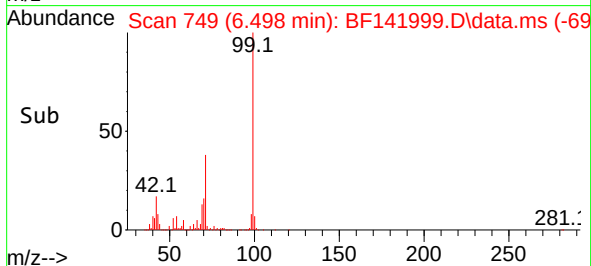
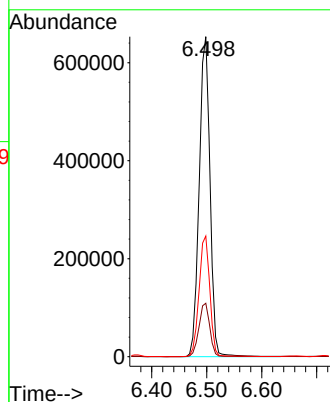
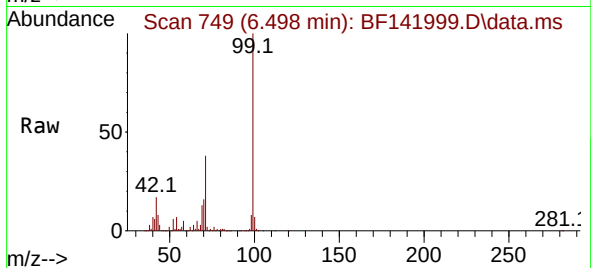
Instrument :

BNA_F

ClientSampleId :

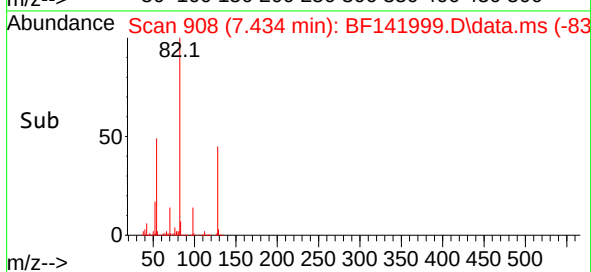
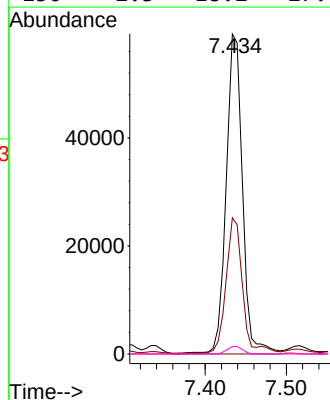
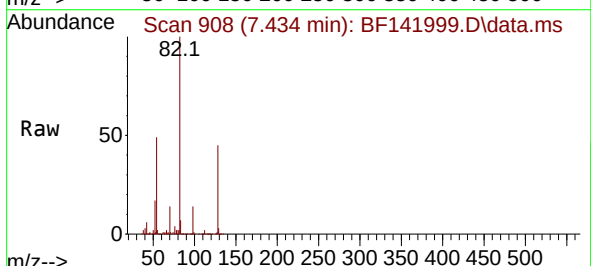
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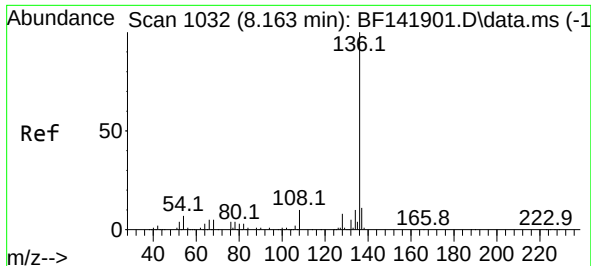
Tgt Ion: 99 Resp: 893138
Ion Ratio Lower Upper
99 100
42 16.7 14.6 21.8
71 37.7 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.639 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

Tgt Ion: 70 Resp: 83129
Ion Ratio Lower Upper
70 100
42 42.5 41.4 62.0
101 0.0 8.2 12.2#
130 2.3 18.2 27.4#



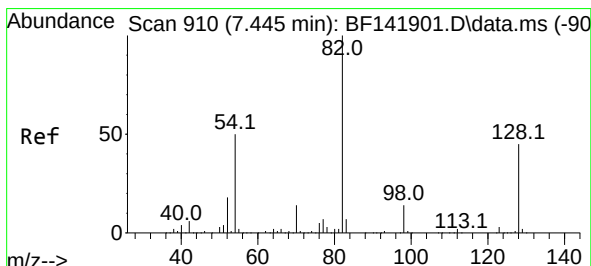
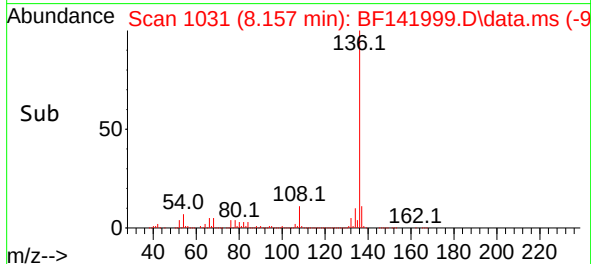
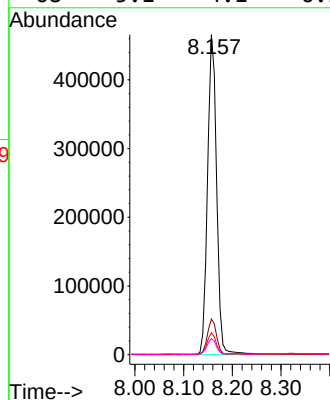
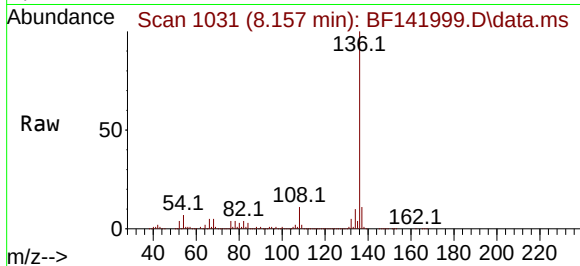


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

Instrument :
BNA_F
ClientSampleId :
20071

Tgt Ion:136 Resp: 603378

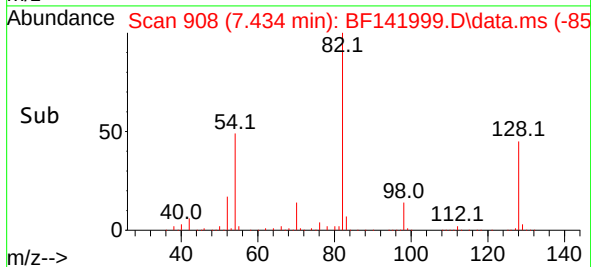
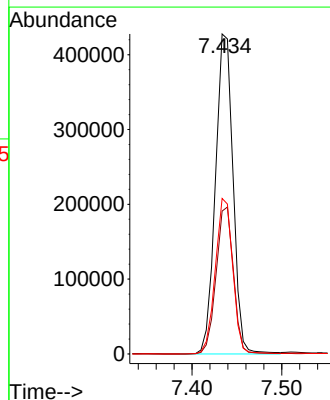
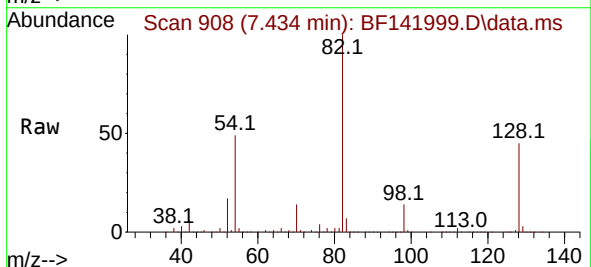
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	6.8	5.8	8.8
68	5.1	4.1	6.1

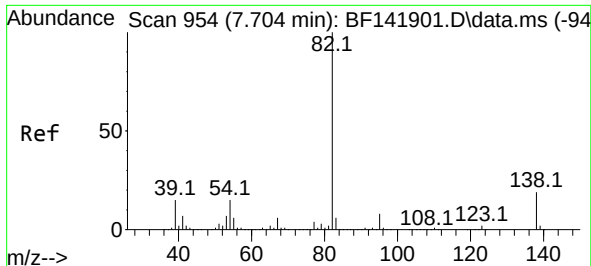


#23
Nitrobenzene-d5
Concen: 54.393 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

Tgt Ion: 82 Resp: 583195

Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.0	54.0
54	48.6	39.6	59.4

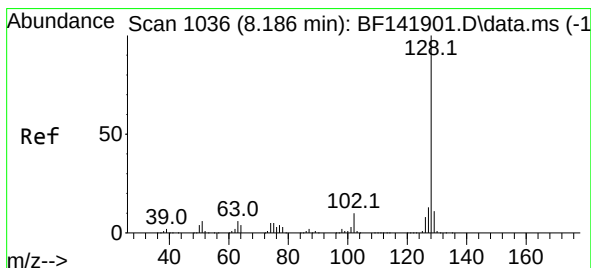
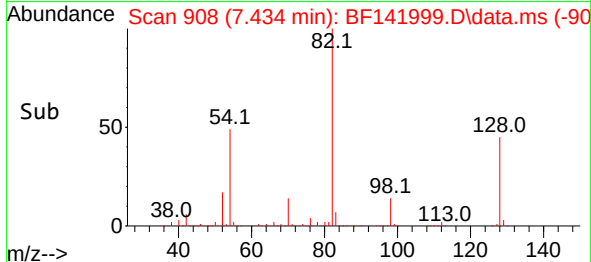
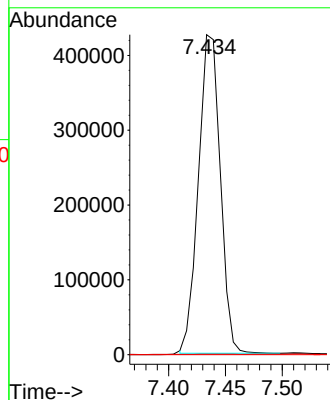
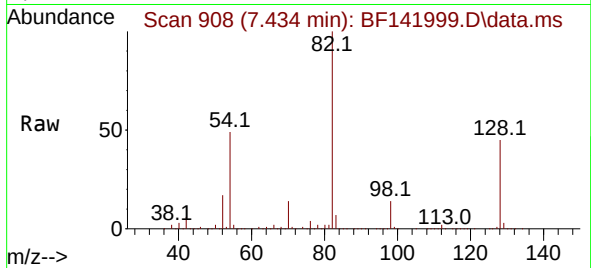




#25
Isophorone
Concen: 30.116 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

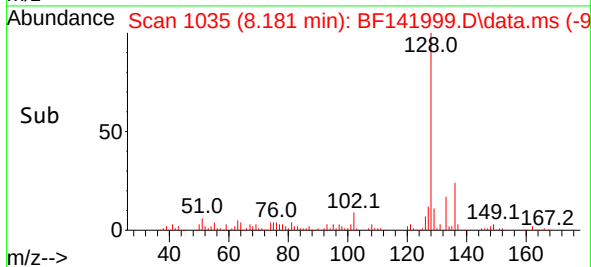
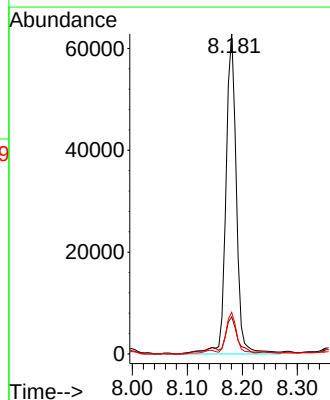
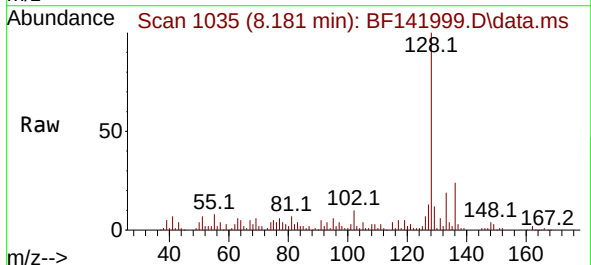
Instrument :
BNA_F
ClientSampleId :
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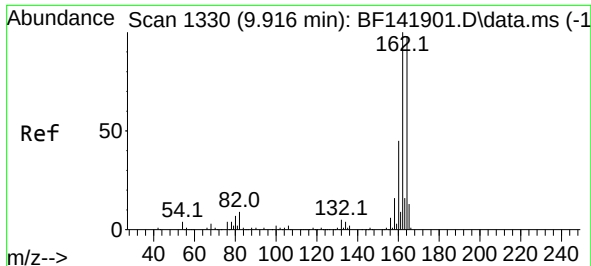
Tgt Ion: 82 Resp: 570768
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 2.688 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

Tgt Ion:128 Resp: 83311
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.6
127 13.0 10.8 16.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141999.D

Acq: 19 Mar 2025 11:47

Instrument :

BNA_F

ClientSampleId :

20071

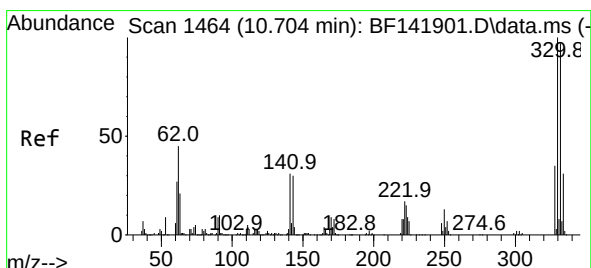
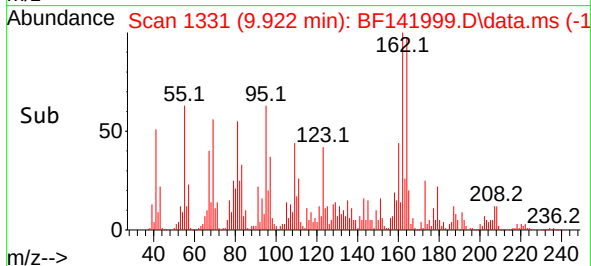
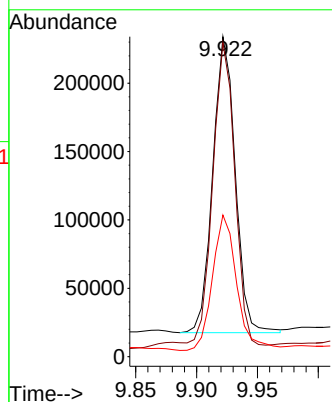
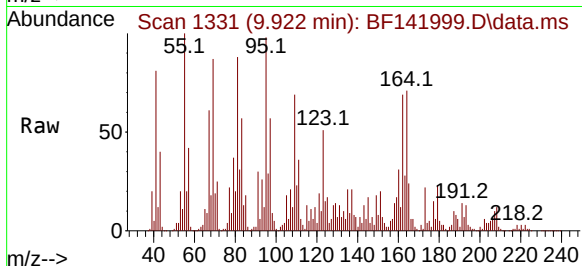
Tgt Ion:164 Resp: 277983

Ion Ratio Lower Upper

164 100

162 98.1 81.8 122.6

160 44.3 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 88.525 ng

RT: 10.722 min Scan# 1467

Delta R.T. 0.018 min

Lab File: BF141999.D

Acq: 19 Mar 2025 11:47

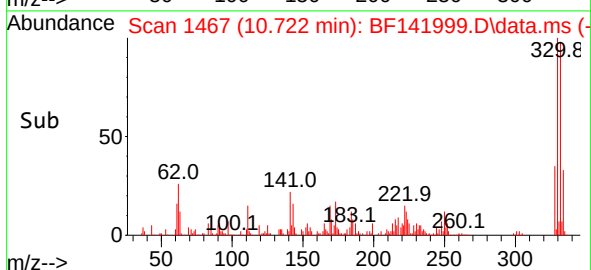
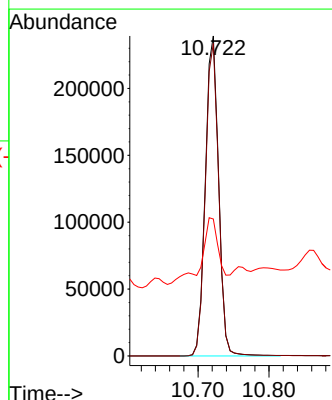
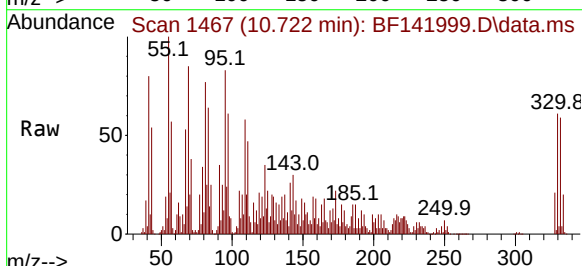
Tgt Ion:330 Resp: 312191

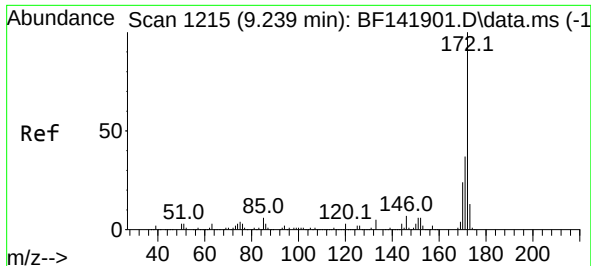
Ion Ratio Lower Upper

330 100

332 97.8 77.6 116.4

141 27.4 24.7 37.1

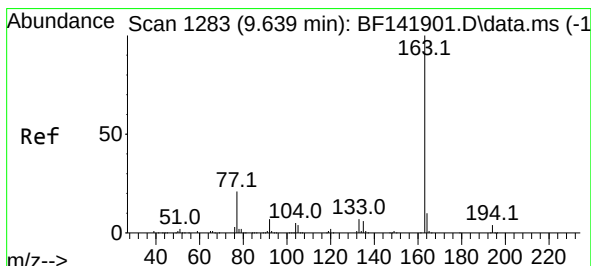
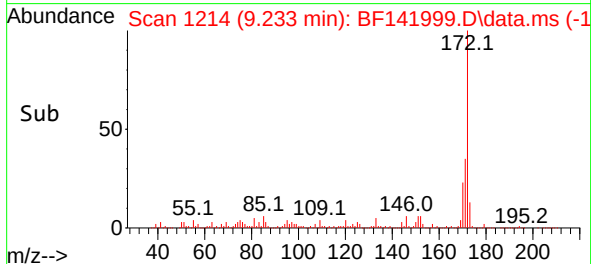
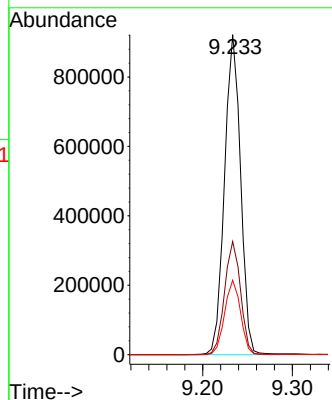
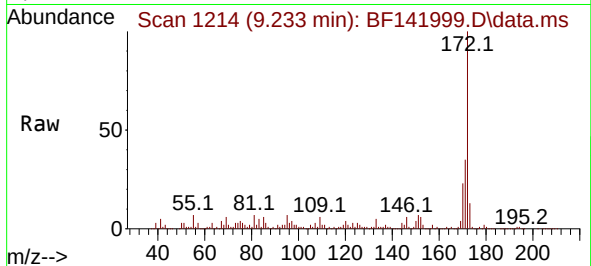




#45
2-Fluorobiphenyl
Concen: 62.757 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

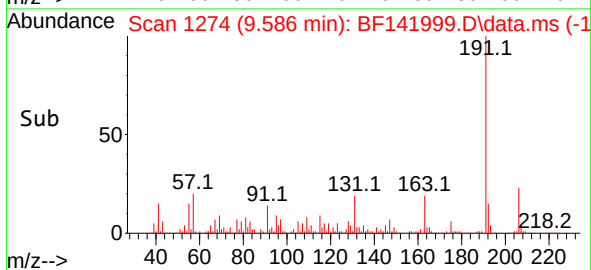
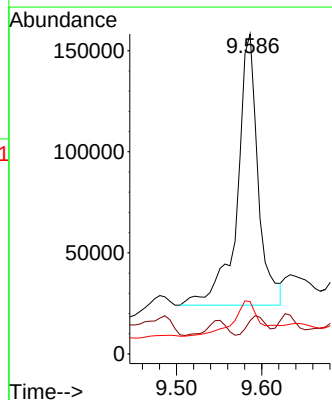
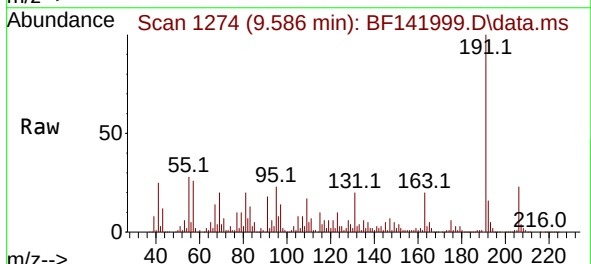
Instrument :
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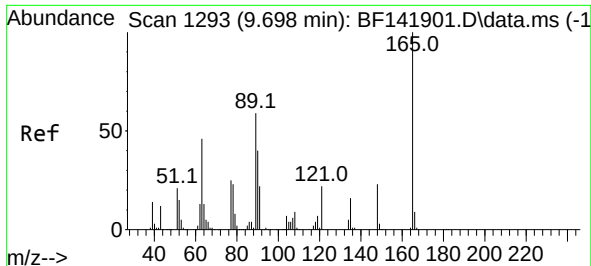
Tgt Ion:172 Resp: 1147107
Ion Ratio Lower Upper
172 100
171 35.3 29.3 43.9
170 23.3 19.4 29.0



#50
Dimethylphthalate
Concen: 11.775 ng
RT: 9.586 min Scan# 1274
Delta R.T. -0.053 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

Tgt Ion:163 Resp: 229209
Ion Ratio Lower Upper
163 100
194 10.4 3.1 4.7#
164 16.3 8.2 12.4#

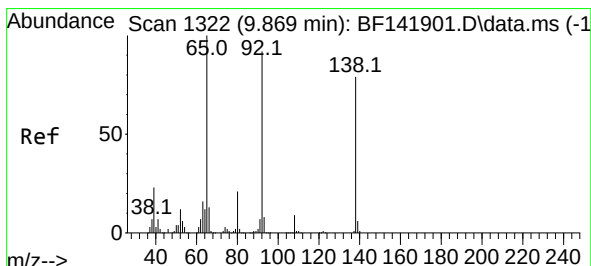
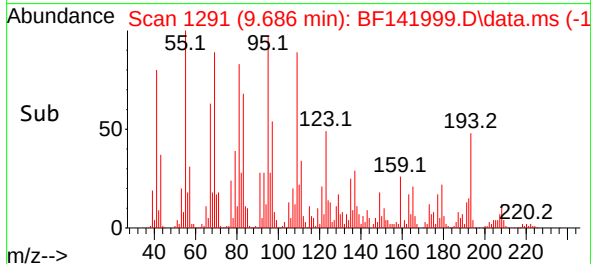
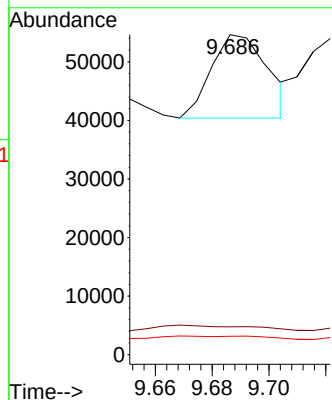
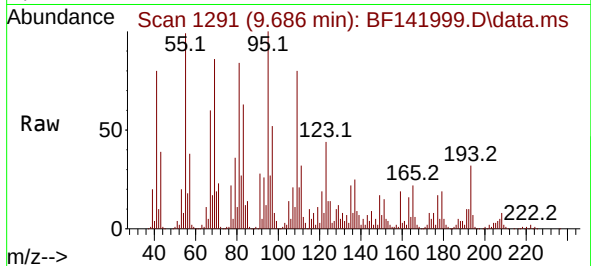




#51
2,6-Dinitrotoluene
Concen: 4.840 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

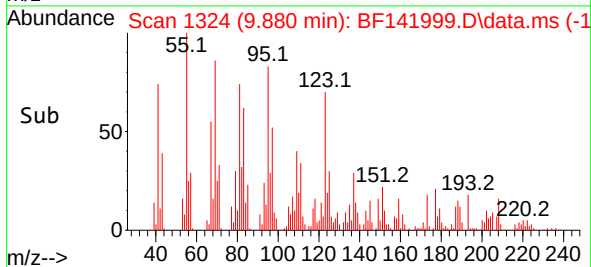
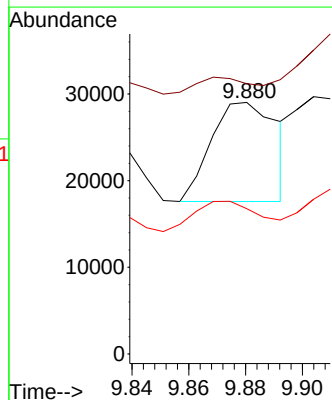
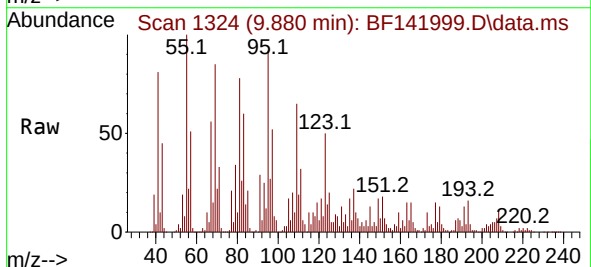
Instrument :
BNA_F
ClientSampleId :
20071

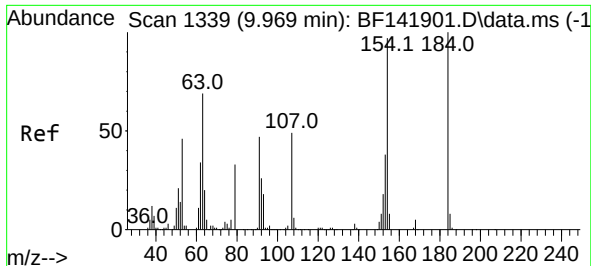
Tgt Ion:165 Resp: 19618
Ion Ratio Lower Upper
165 100
63 8.7 47.0 70.4#
89 5.8 47.4 71.2#



#53
3-Nitroaniline
Concen: 4.490 ng
RT: 9.880 min Scan# 1324
Delta R.T. 0.012 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

Tgt Ion:138 Resp: 18458
Ion Ratio Lower Upper
138 100
108 107.5 9.3 13.9#
92 57.8 93.5 140.3#

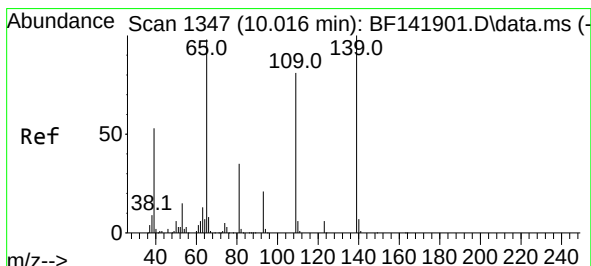
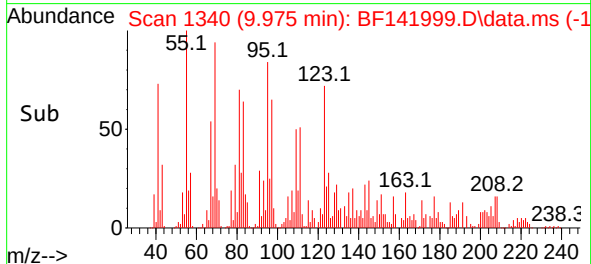
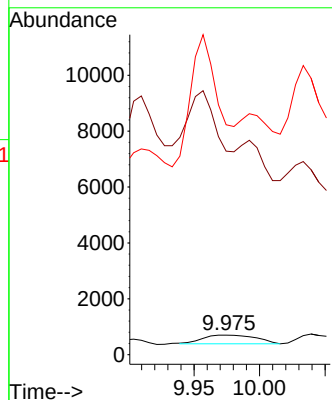
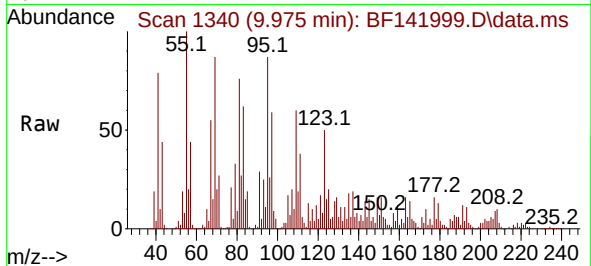




#54
2,4-Dinitrophenol
Concen: 6.924 ng
RT: 9.975 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

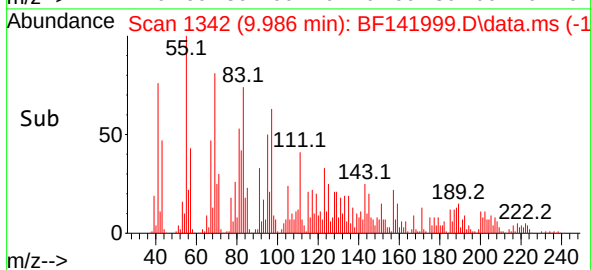
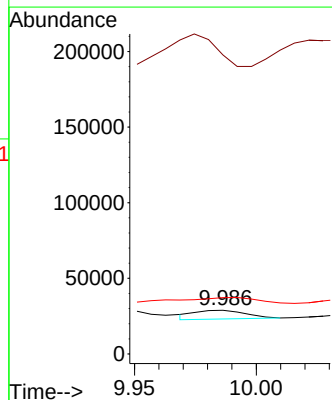
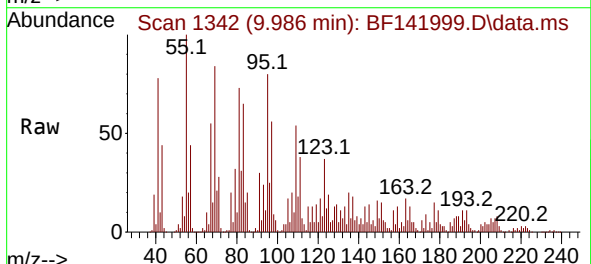
Instrument :
BNA_F
ClientSampleId :
20071

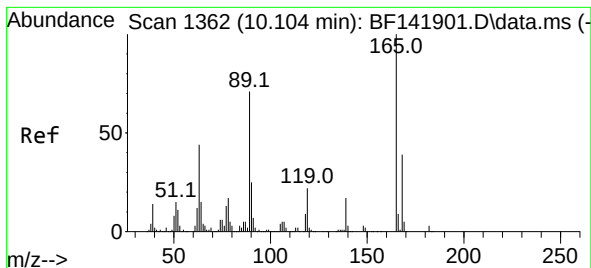
Tgt Ion:184 Resp: 880
Ion Ratio Lower Upper
184 100
63 1041.0 60.2 90.4#
154 1175.3 132.9 199.3#



#56
4-Nitrophenol
Concen: 2.776 ng
RT: 9.986 min Scan# 1342
Delta R.T. -0.029 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

Tgt Ion:139 Resp: 8607
Ion Ratio Lower Upper
139 100
109 685.3 61.6 101.6#
65 129.1 79.4 119.4#

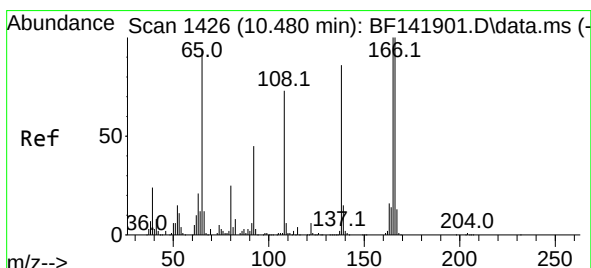
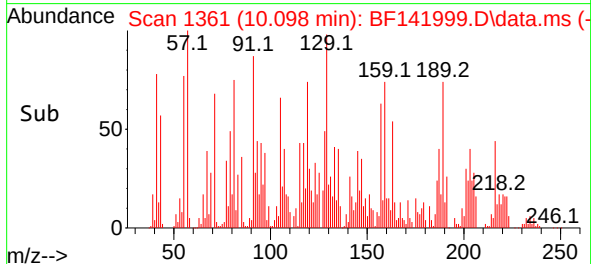
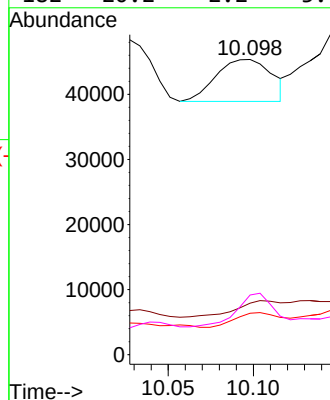
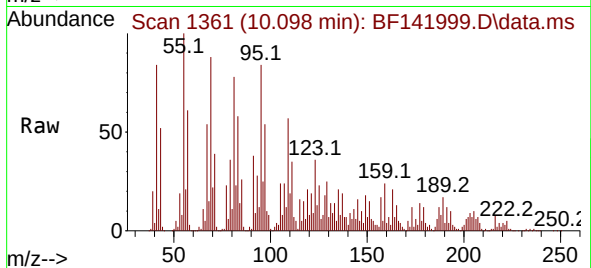




#57
2,4-Dinitrotoluene
Concen: 2.766 ng
RT: 10.098 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

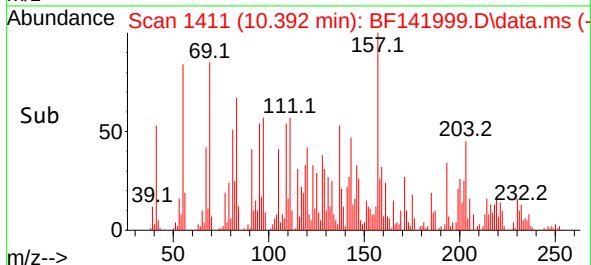
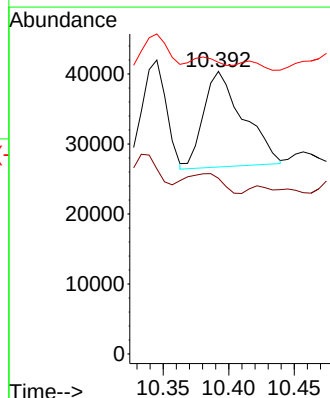
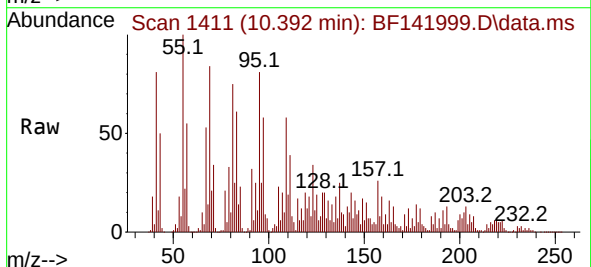
Instrument :
BNA_F
ClientSampleId :
20071

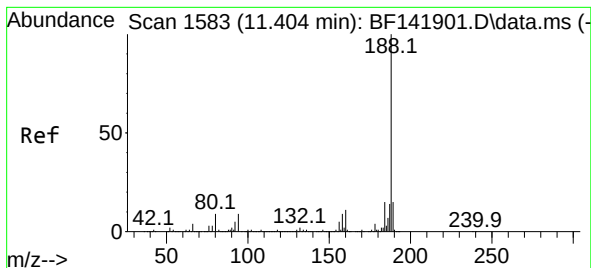
Tgt Ion:165 Resp: 14644
Ion Ratio Lower Upper
165 100
63 17.4 35.4 53.2#
89 14.0 56.6 84.8#
182 20.2 2.2 3.4#



#62
4-Nitroaniline
Concen: 7.223 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.088 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

Tgt Ion:138 Resp: 28909
Ion Ratio Lower Upper
138 100
92 62.2 32.6 72.6
108 103.2 65.0 105.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. 0.023 min

Lab File: BF141999.D

Acq: 19 Mar 2025 11:47

Instrument :

BNA_F

ClientSampleId :

20071

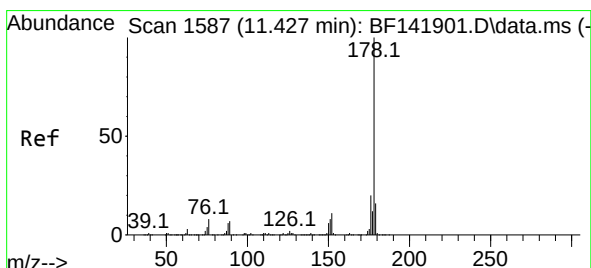
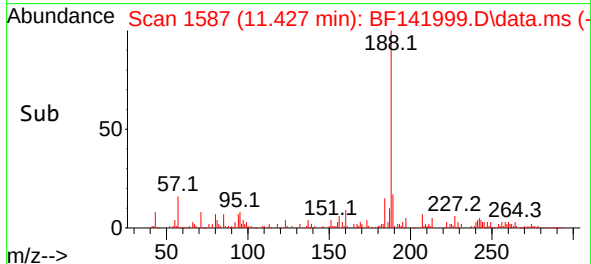
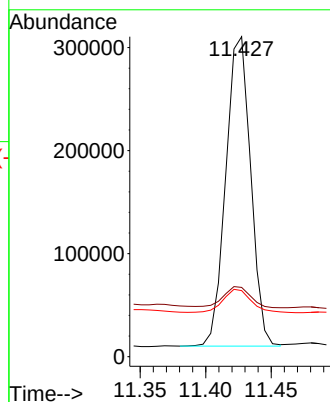
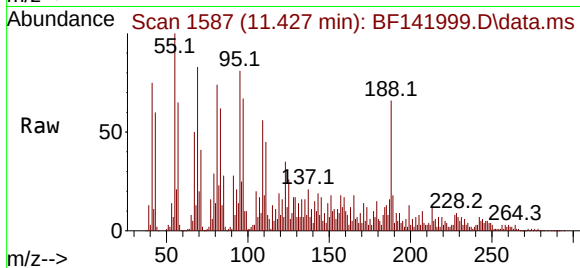
Tgt Ion:188 Resp: 396447

Ion Ratio Lower Upper

188 100

94 21.7 6.8 10.2#

80 20.6 7.6 11.4#



#71

Phenanthrene

Concen: 3.566 ng

RT: 11.451 min Scan# 1591

Delta R.T. 0.024 min

Lab File: BF141999.D

Acq: 19 Mar 2025 11:47

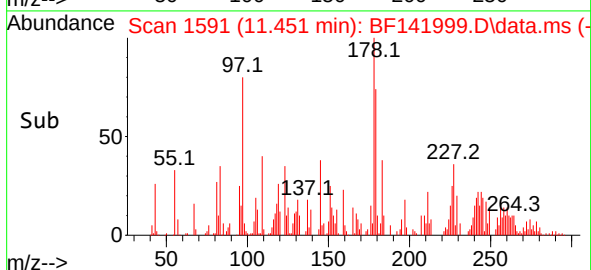
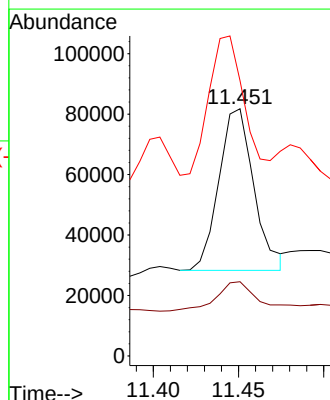
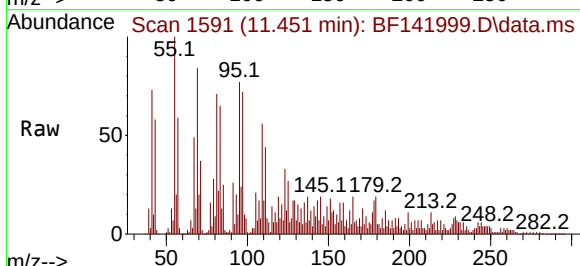
Tgt Ion:178 Resp: 76365

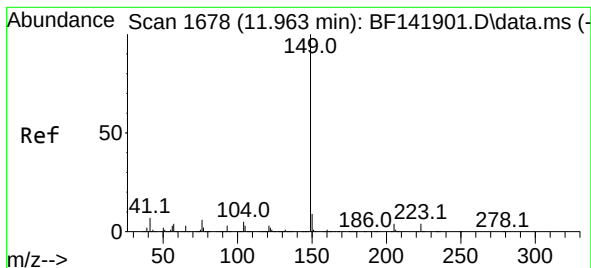
Ion Ratio Lower Upper

178 100

176 30.0 15.8 23.8#

179 111.3 12.6 19.0#





#74

Di-n-butylphthalate

Concen: 2.148 ng

RT: 11.980 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF141999.D

Acq: 19 Mar 2025 11:47

Instrument :

BNA_F

ClientSampleId :

20071

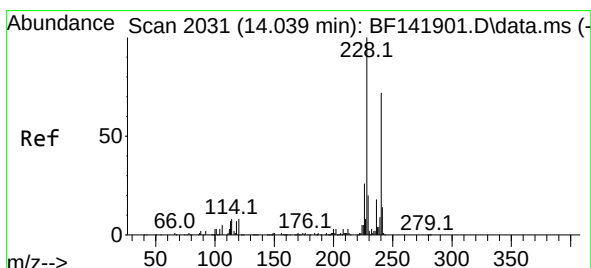
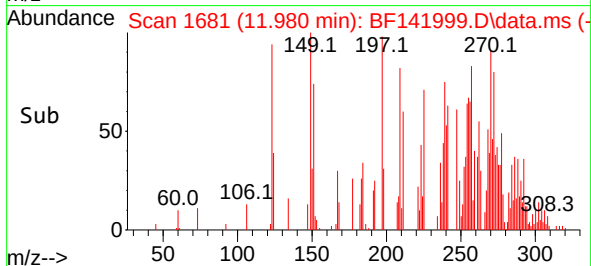
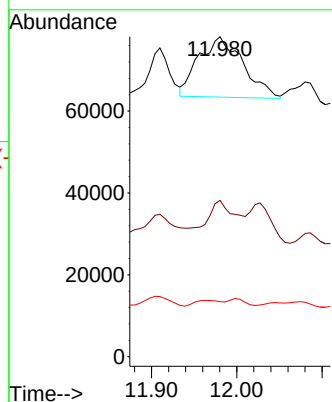
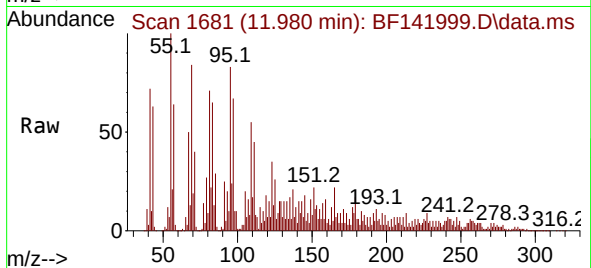
Tgt Ion:149 Resp: 52807

Ion Ratio Lower Upper

149 100

150 48.8 7.6 11.4#

104 17.2 4.4 6.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.012 min

Lab File: BF141999.D

Acq: 19 Mar 2025 11:47

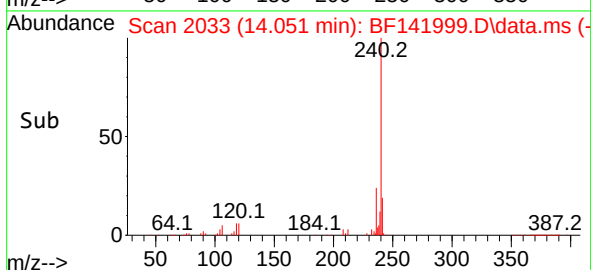
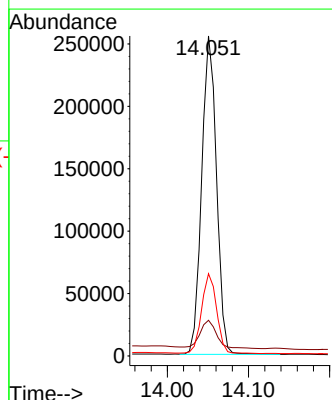
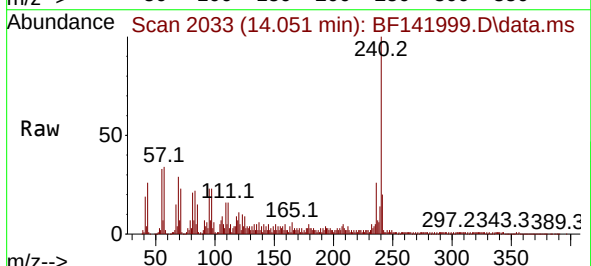
Tgt Ion:240 Resp: 323444

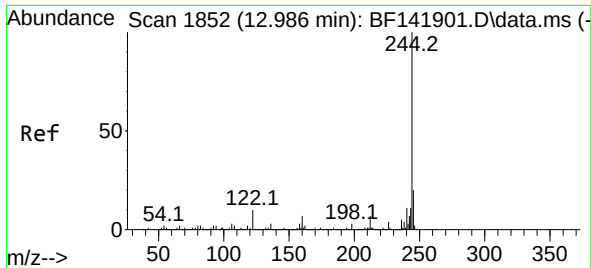
Ion Ratio Lower Upper

240 100

120 11.2 8.4 12.6

236 25.7 20.5 30.7

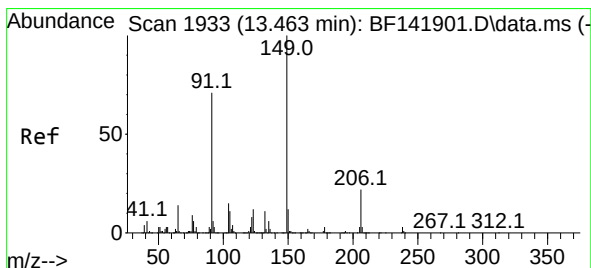
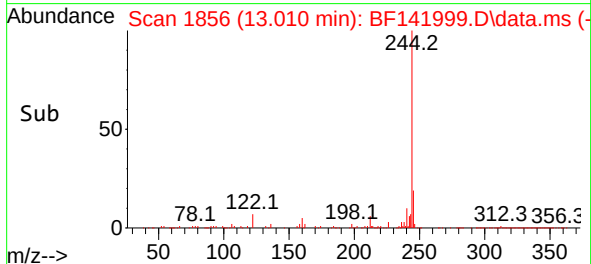
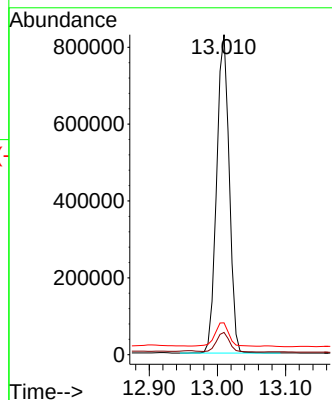
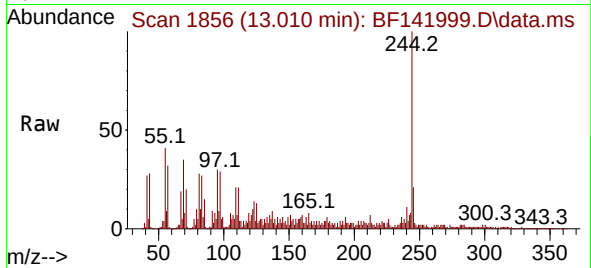




#79
 Terphenyl-d14
 Concen: 48.460 ng
 RT: 13.010 min Scan# 1856
 Delta R.T. 0.024 min
 Lab File: BF141999.D
 Acq: 19 Mar 2025 11:47

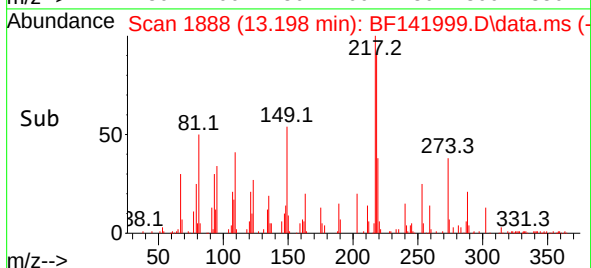
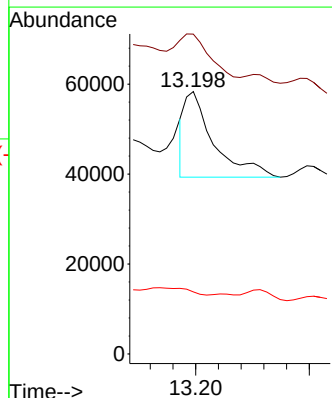
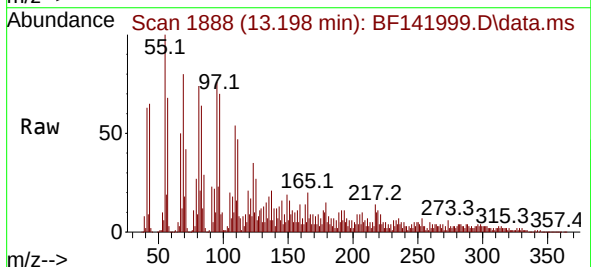
Instrument :
 BNA_F
 ClientSampleId :
 20071

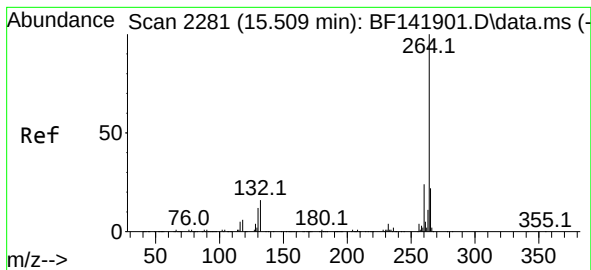
Tgt Ion:244 Resp: 1060168
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 10.0 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 3.088 ng
 RT: 13.198 min Scan# 1888
 Delta R.T. -0.265 min
 Lab File: BF141999.D
 Acq: 19 Mar 2025 11:47

Tgt Ion:149 Resp: 33811
 Ion Ratio Lower Upper
 149 100
 91 121.9 56.5 84.7#
 206 23.7 17.3 25.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141999.D

Acq: 19 Mar 2025 11:47

Instrument :

BNA_F

ClientSampleId :

20071

Tgt Ion:264 Resp: 374135

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 21.8 17.5 26.3

