

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
 Data File : BF141786.D
 Acq On : 26 Feb 2025 16:57
 Operator : RC/JU
 Sample : Q1422-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-154-SB02

Quant Time: Feb 26 17:24:24 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)

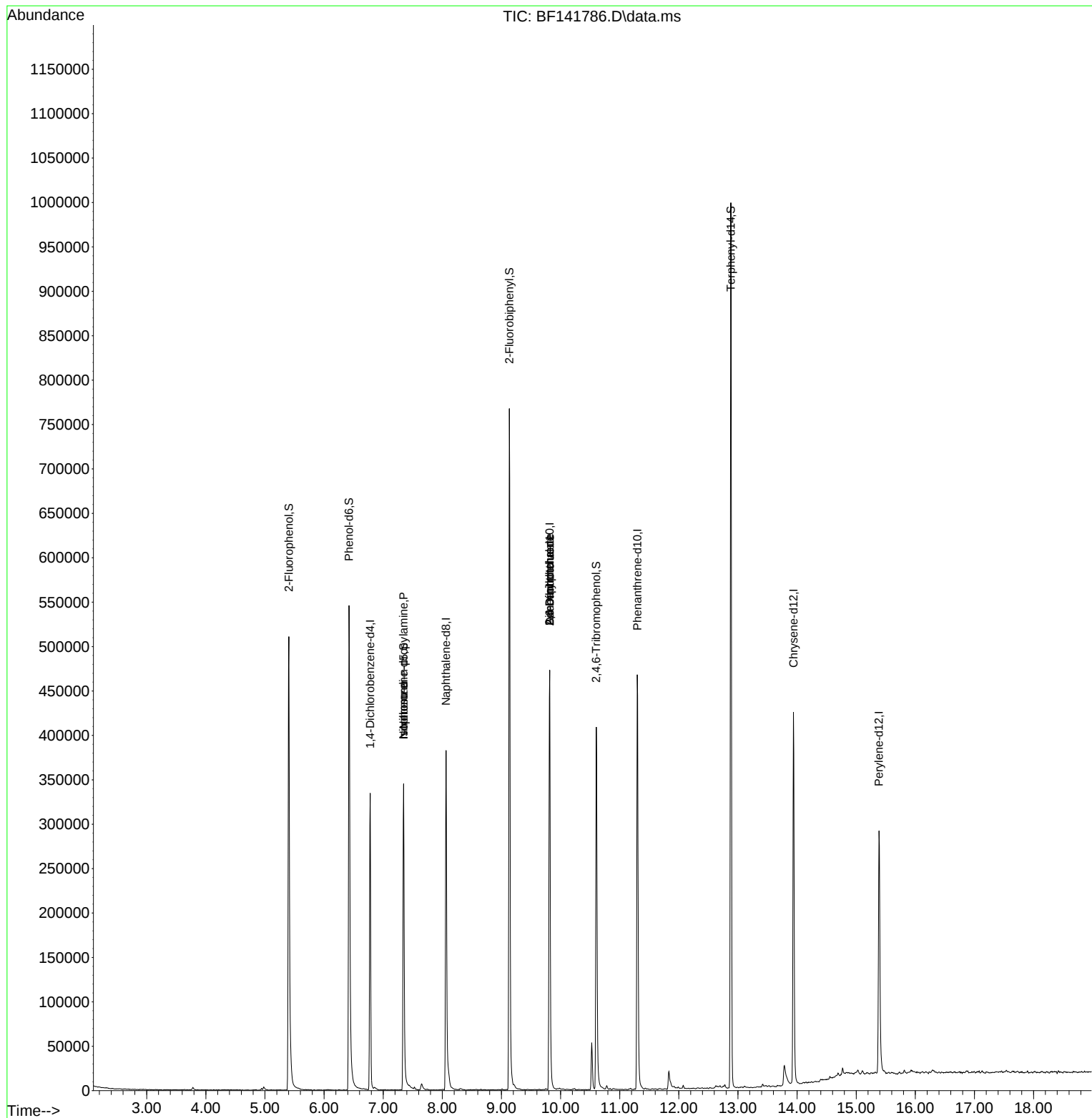
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	73149	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	294675	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	161129	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	287751	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	231209	20.000	ng	-0.02
86) Perylene-d12	15.386	264	186877	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	245073	52.525	ng	0.00
7) Phenol-d6	6.422	99	317704	53.873	ng	-0.02
23) Nitrobenzene-d5	7.345	82	183695	32.514	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	79551	49.148	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	383147	36.635	ng	-0.02
79) Terphenyl-d14	12.880	244	502162	36.665	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	23685	6.714	ng	# 70
25) Isophorone	7.345	82	177963	19.756	ng	# 66
50) Dimethylphthalate	9.816	163	23130	2.115	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	20166	8.433	ng	# 22
57) 2,4-Dinitrotoluene	9.816	165	20163	6.334	ng	# 19

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

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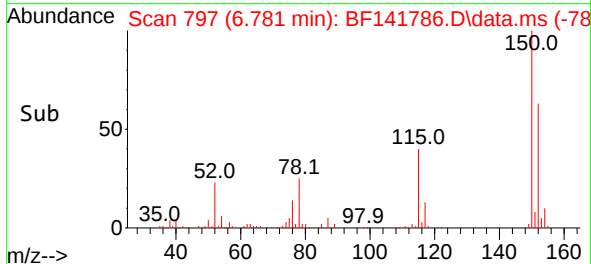
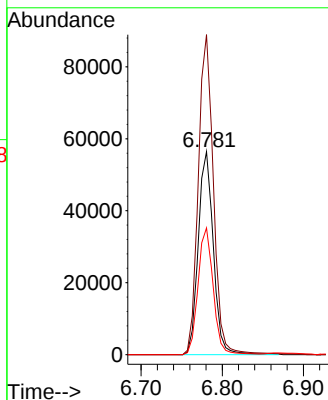
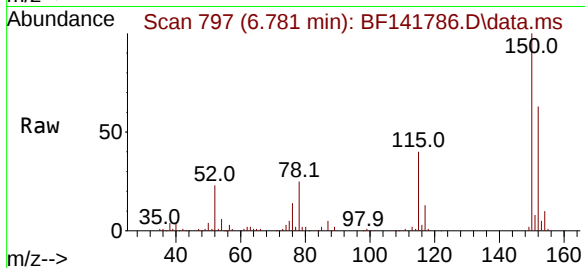




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141786.D
 Acq: 26 Feb 2025 16:57

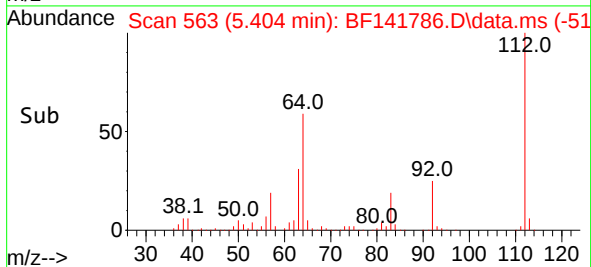
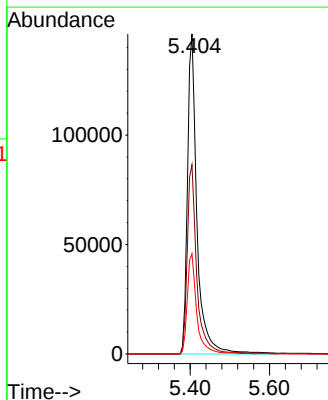
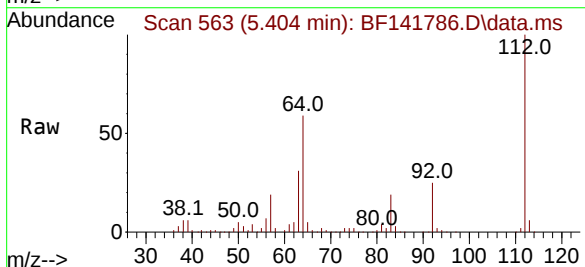
Instrument :
 BNA_F
 ClientSampleId :
 B-154-SB02

Tgt Ion:152 Resp: 73149
 Ion Ratio Lower Upper
 152 100
 150 157.6 125.0 187.4
 115 62.4 53.6 80.4



#5
 2-Fluorophenol
 Concen: 52.525 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141786.D
 Acq: 26 Feb 2025 16:57

Tgt Ion:112 Resp: 245073
 Ion Ratio Lower Upper
 112 100
 64 59.1 51.1 76.7
 63 31.3 28.4 42.6

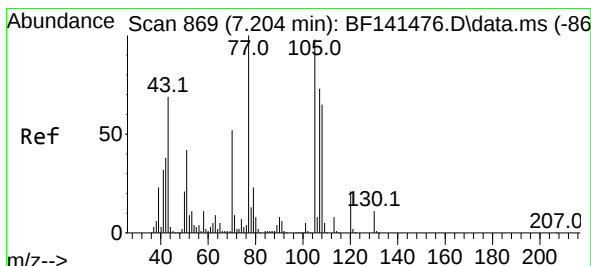
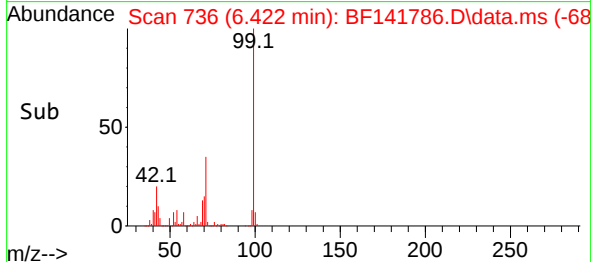
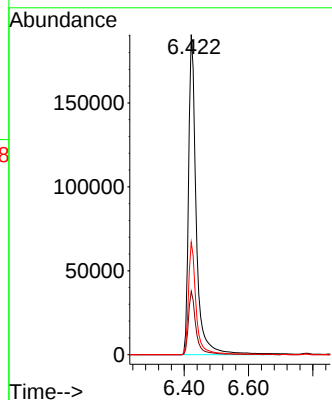
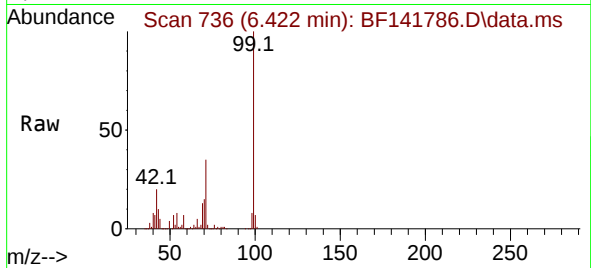




#7
Phenol-d6
Concen: 53.873 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

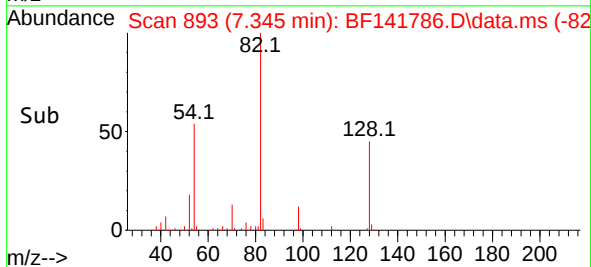
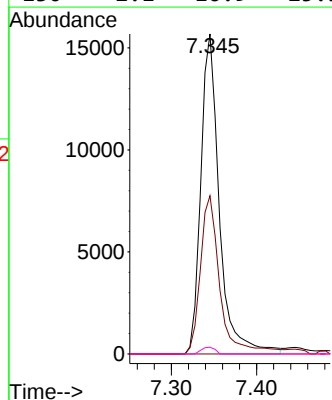
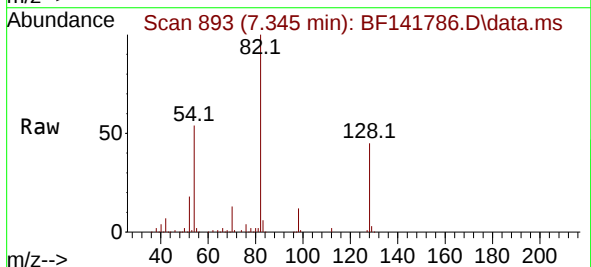
Instrument :
BNA_F
ClientSampleId :
B-154-SB02

Tgt Ion: 99 Resp: 317704
Ion Ratio Lower Upper
99 100
42 19.8 19.1 28.7
71 35.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.714 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Tgt Ion: 70 Resp: 23685
Ion Ratio Lower Upper
70 100
42 49.5 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

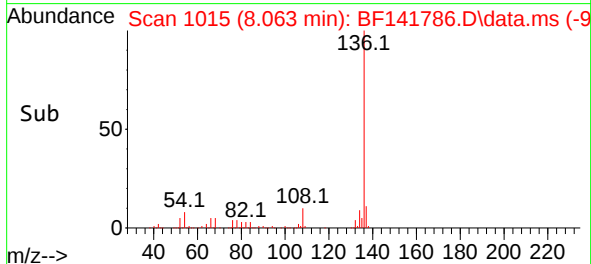
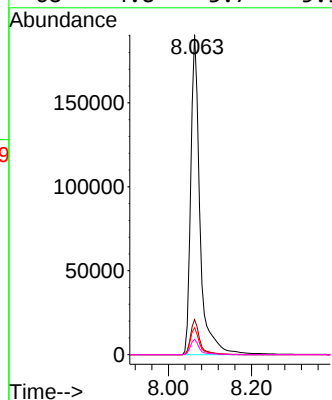
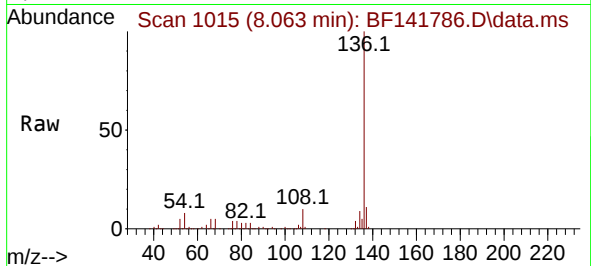




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

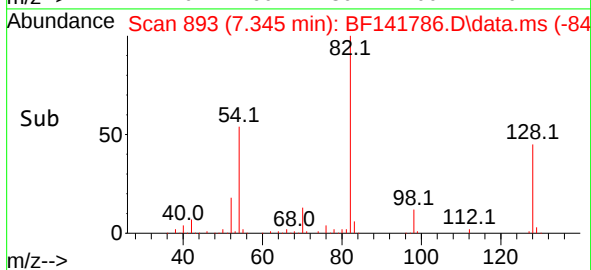
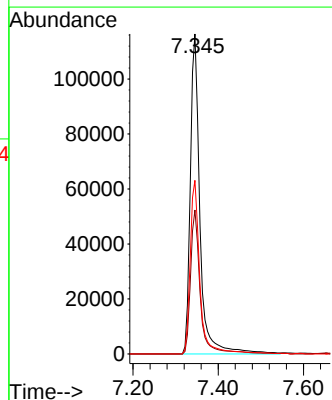
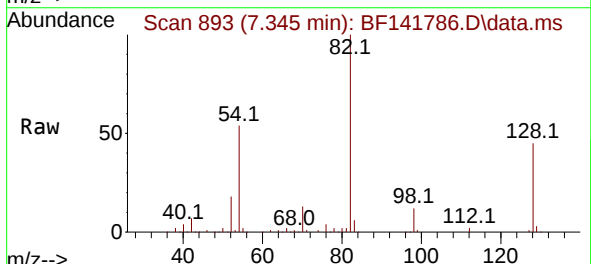
Instrument :
BNA_F
ClientSampleId :
B-154-SB02

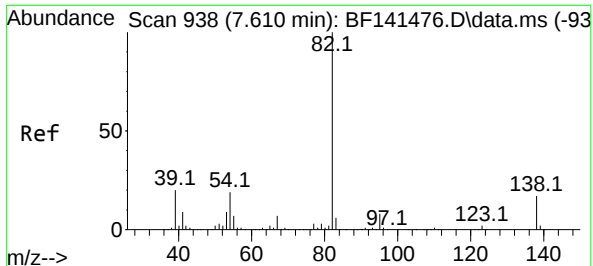
Tgt Ion:136	Resp: 294675
Ion Ratio	Lower Upper
136	100
137	11.0 8.6 13.0
54	8.4 7.2 10.8
68	4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 32.514 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

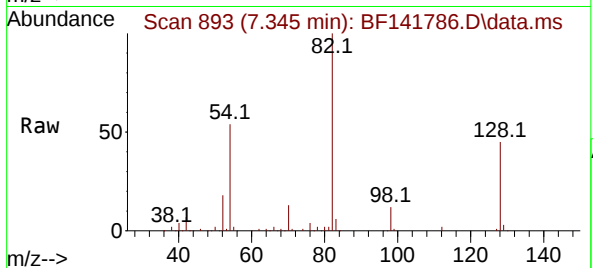
Tgt Ion: 82	Resp: 183695
Ion Ratio	Lower Upper
82	100
128	45.0 34.8 52.2
54	54.2 48.2 72.4



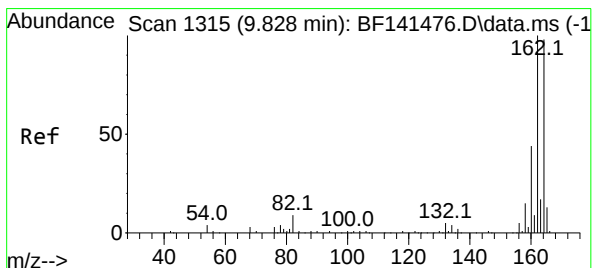
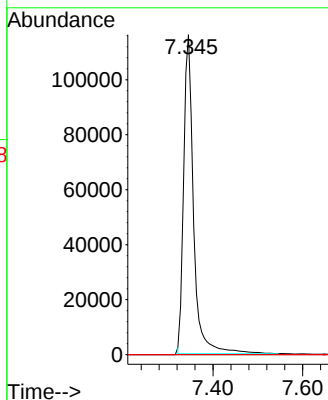
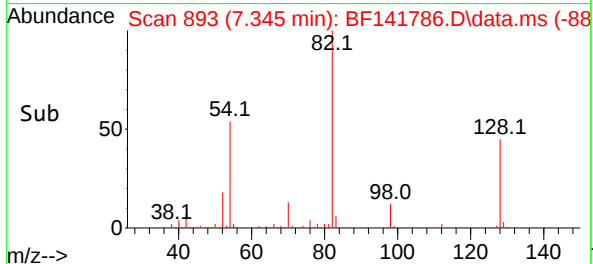


#25
Isophorone
Concen: 19.756 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Instrument :
BNA_F
ClientSampleId :
B-154-SB02

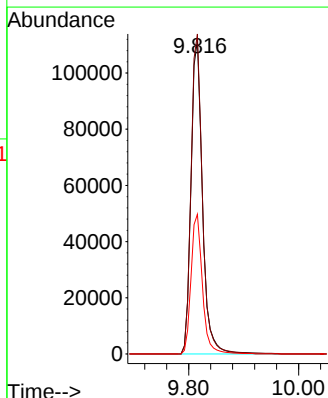
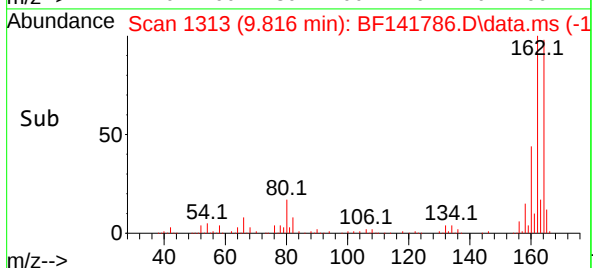
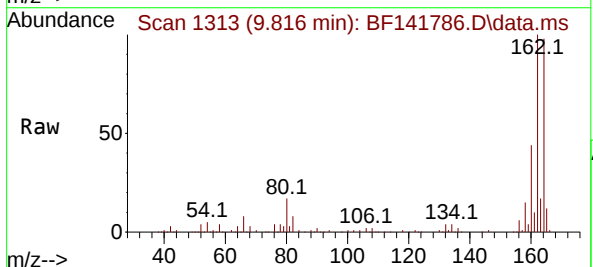


Tgt Ion: 82 Resp: 177963
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Tgt Ion: 164 Resp: 161129
Ion Ratio Lower Upper
164 100
162 102.0 81.3 121.9
160 44.6 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 49.148 ng

RT: 10.604 min Scan# 1450

Delta R.T. -0.023 min

Lab File: BF141786.D

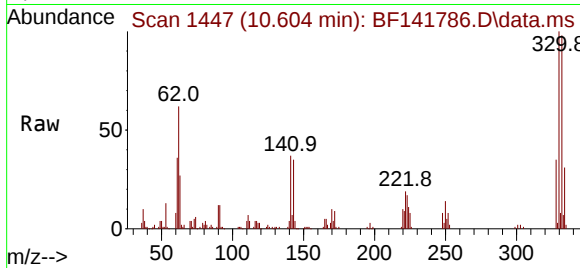
Acq: 26 Feb 2025 16:57

Instrument :

BNA_F

ClientSampleId :

B-154-SB02



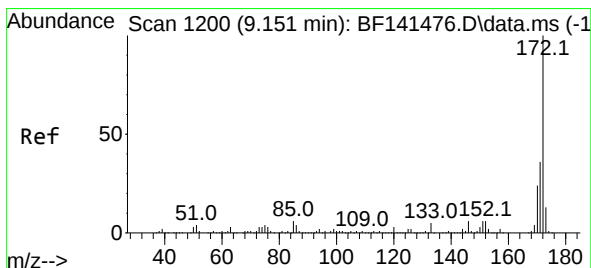
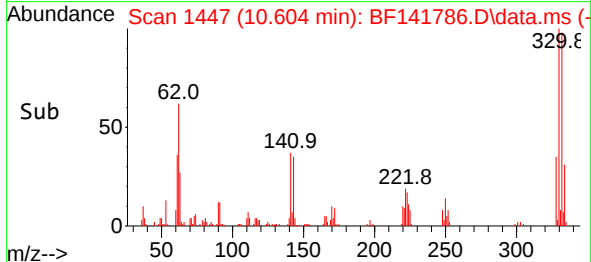
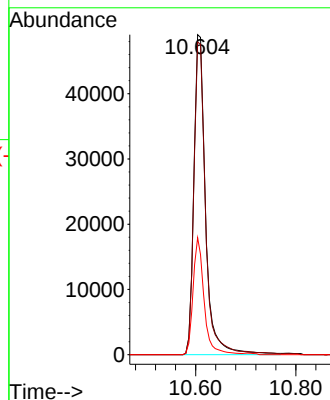
Tgt Ion:330 Resp: 79551

Ion Ratio Lower Upper

330 100

332 97.9 78.5 117.7

141 34.4 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 36.635 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141786.D

Acq: 26 Feb 2025 16:57

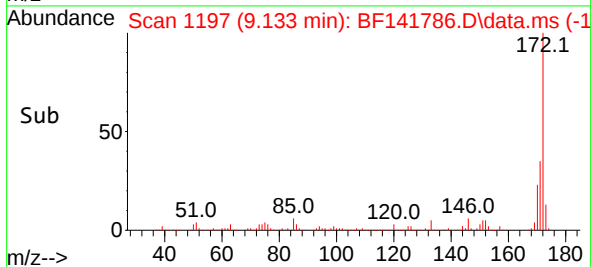
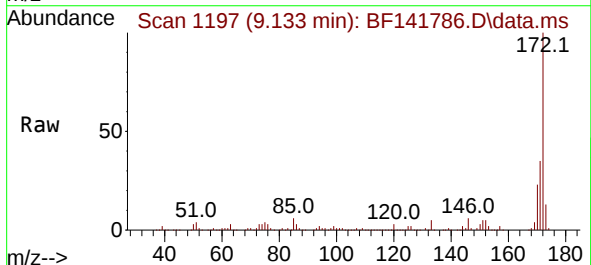
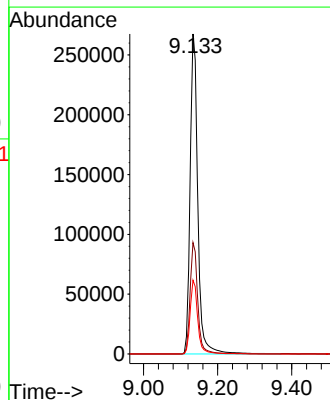
Tgt Ion:172 Resp: 383147

Ion Ratio Lower Upper

172 100

171 34.8 28.7 43.1

170 23.0 18.9 28.3

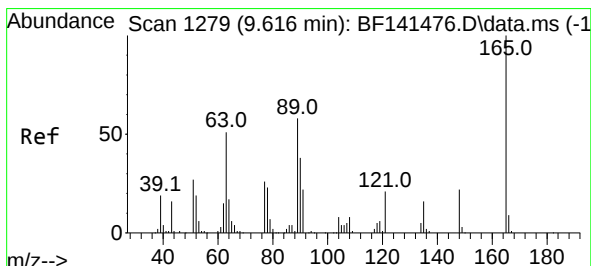
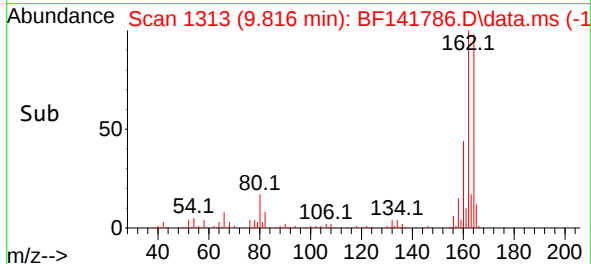
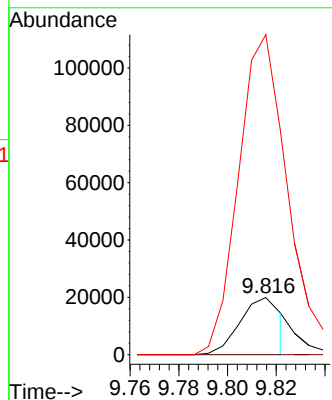
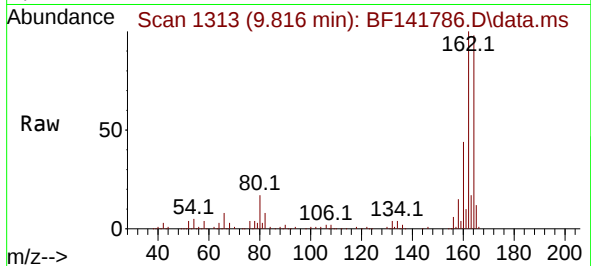




#50
Dimethylphthalate
Concen: 2.115 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.253 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

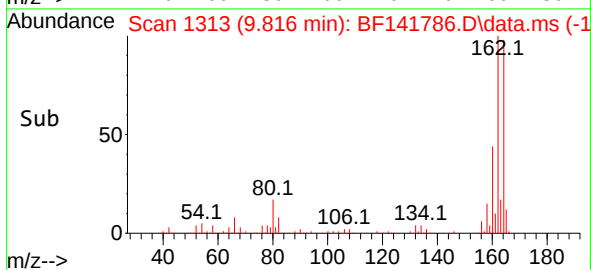
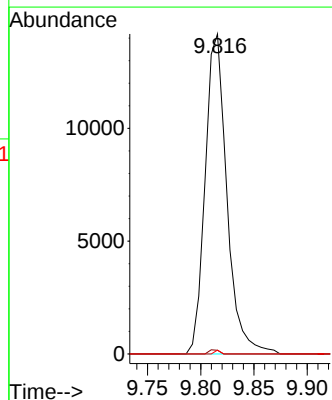
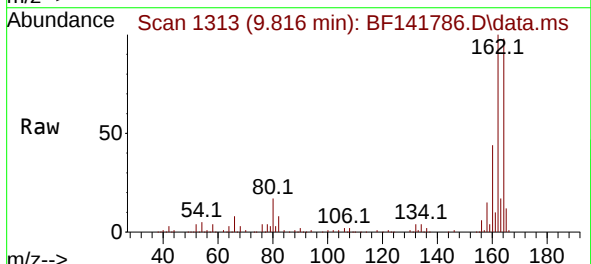
Instrument :
BNA_F
ClientSampleId :
B-154-SB02

Tgt Ion:163 Resp: 23130
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 560.2 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.433 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.194 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

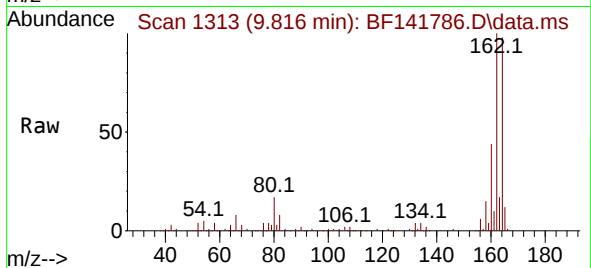
Tgt Ion:165 Resp: 20166
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.0#
89 1.2 46.5 69.7#



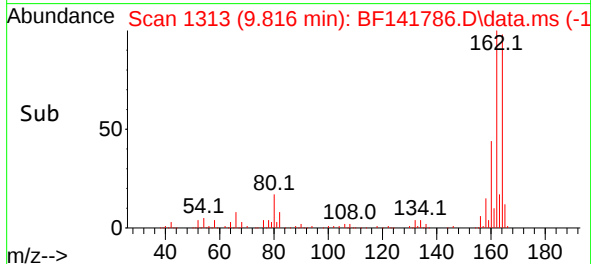
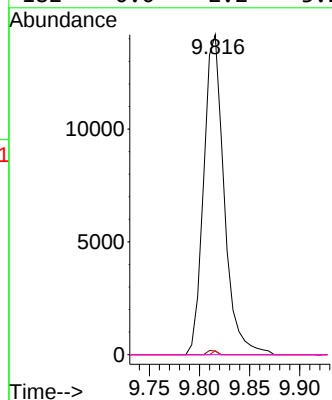


#57
2,4-Dinitrotoluene
Concen: 6.334 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Instrument :
BNA_F
ClientSampleId :
B-154-SB02

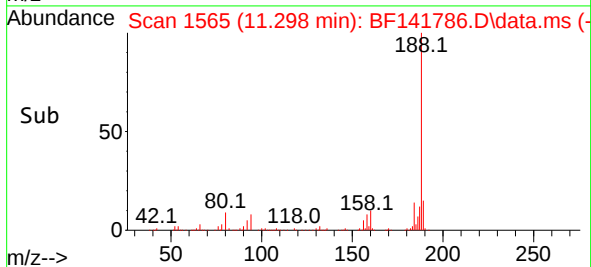
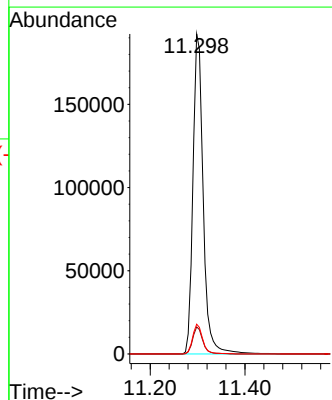
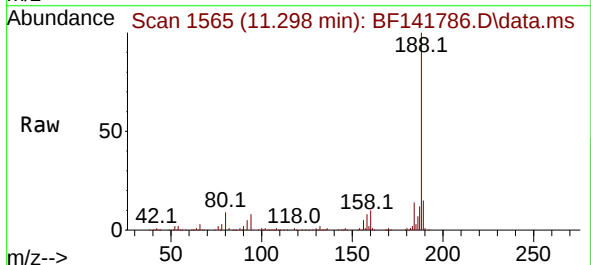


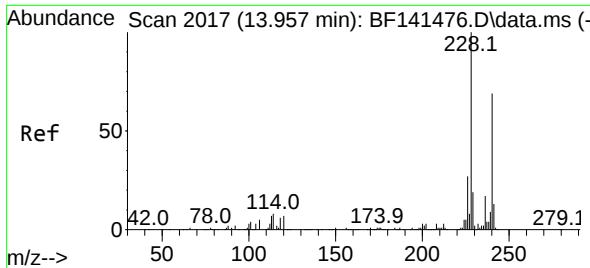
Tgt Ion:	165	Resp:	20163
Ion	Ratio	Lower	Upper
165	100		
63	1.1	46.4	69.6#
89	1.2	61.8	92.6#
182	0.0	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.018 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Tgt Ion:	188	Resp:	287751
Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.3	7.3	10.9

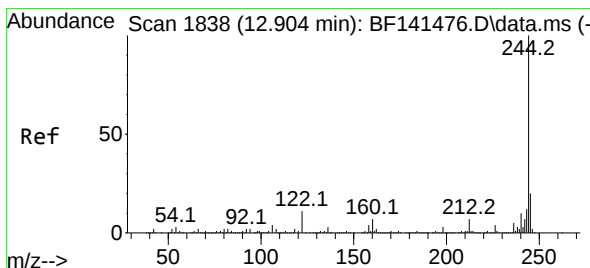
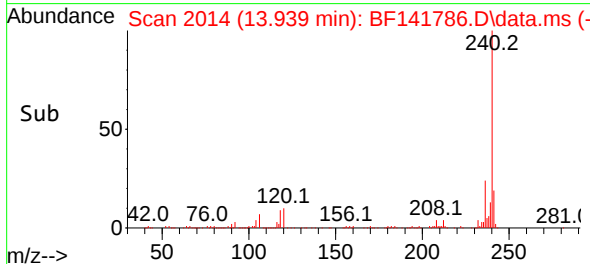
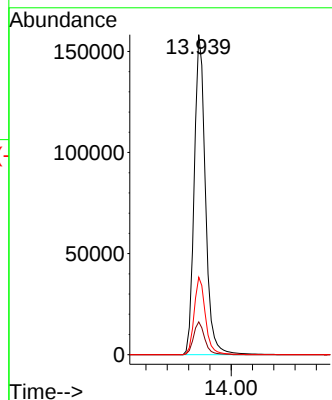
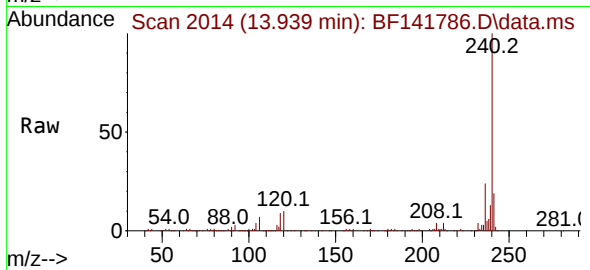




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2017
Delta R.T. -0.023 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

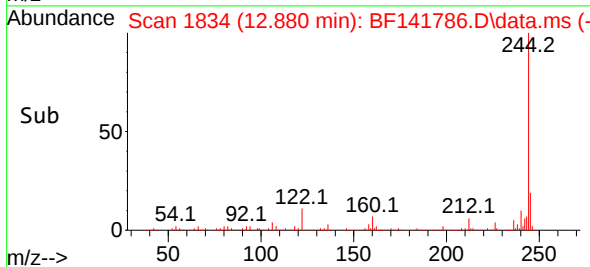
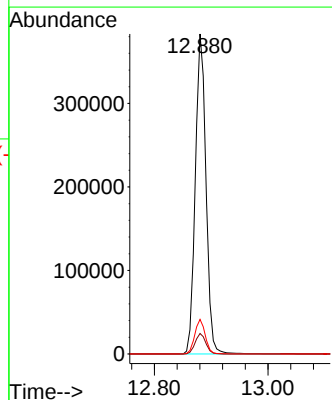
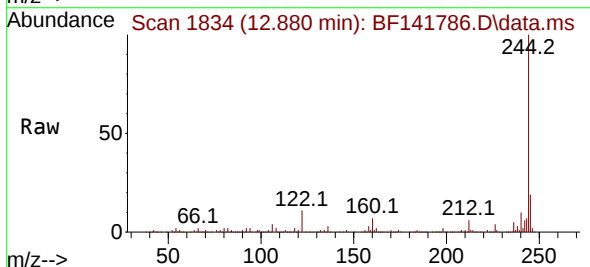
Instrument :
BNA_F
ClientSampleId :
B-154-SB02

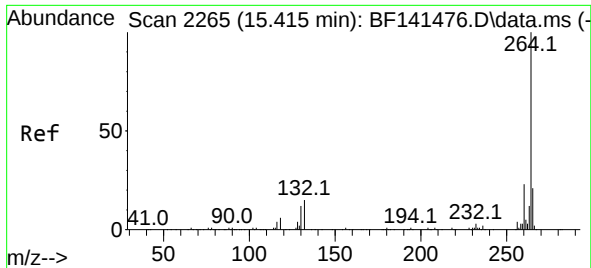
Tgt Ion:240 Resp: 231209
Ion Ratio Lower Upper
240 100
120 10.3 8.0 12.0
236 24.2 19.8 29.8



#79
Terphenyl-d14
Concen: 36.665 ng
RT: 12.880 min Scan# 1834
Delta R.T. -0.023 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Tgt Ion:244 Resp: 502162
Ion Ratio Lower Upper
244 100
212 6.4 5.6 8.4
122 10.8 8.4 12.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.386 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Instrument :
BNA_F
ClientSampleId :
B-154-SB02

Tgt Ion:264 Resp: 186877
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 21.7 17.0 25.4

