

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
 Data File : BF141744.D
 Acq On : 24 Feb 2025 15:09
 Operator : RC/JU
 Sample : Q1397-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP8

Quant Time: Feb 24 15:29:47 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)

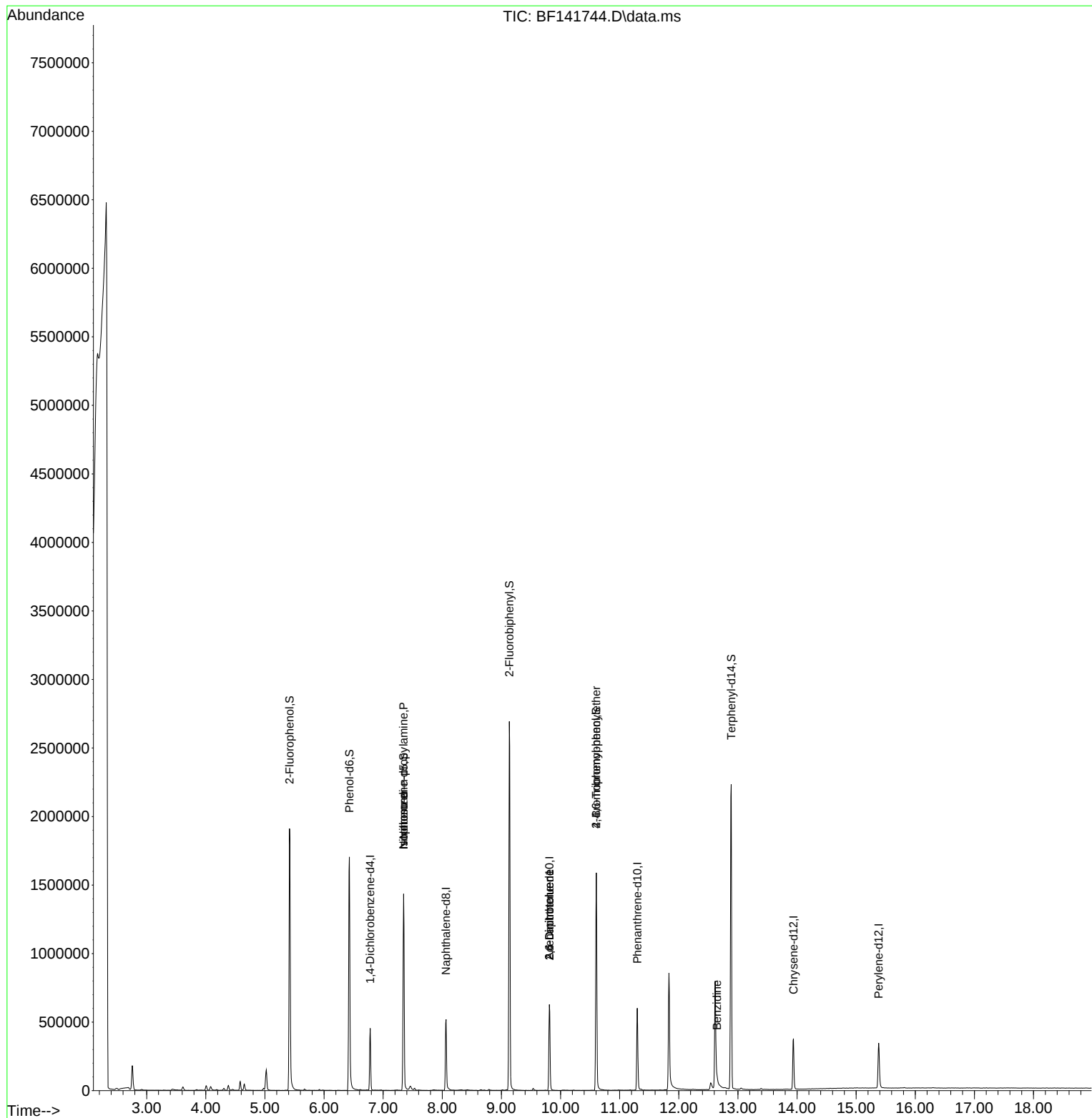
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	91911	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	371022	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	200666	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	326180	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	199910	20.000	ng	-0.02
86) Perylene-d12	15.380	264	216203	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	762708	130.097	ng	0.00
7) Phenol-d6	6.428	99	865524	116.807	ng	-0.01
23) Nitrobenzene-d5	7.345	82	668606	93.993	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	272858	135.361	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	1236409	94.927	ng	-0.02
79) Terphenyl-d14	12.886	244	1142481	96.479	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	90051	20.317	ng	# 73
25) Isophorone	7.345	82	657462	57.967	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	25651	8.613	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	25651	6.470	ng	# 18
67) 4-Bromophenyl-phenylether	10.604	248	18753	5.144	ng	# 1
77) Benzidine	12.645	184	19608	4.447	ng	# 79

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

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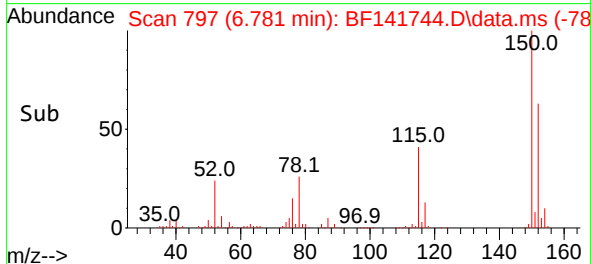
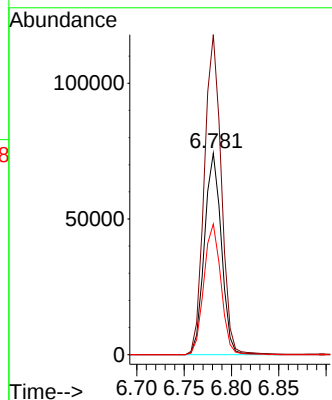
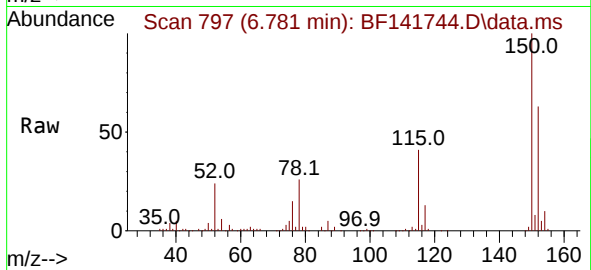




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141744.D
 Acq: 24 Feb 2025 15:09

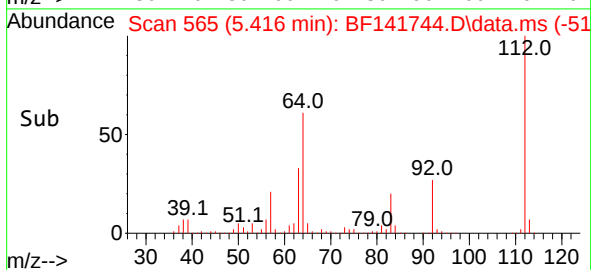
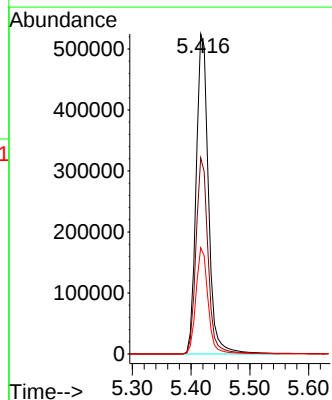
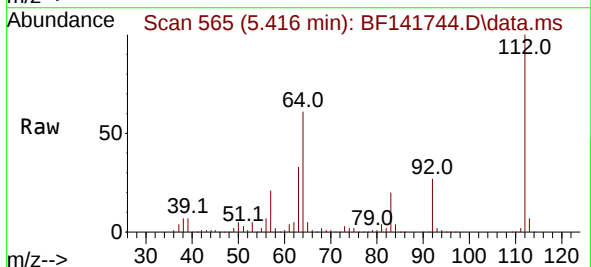
Instrument :
 BNA_F
 ClientSampleId :
 TP8

Tgt Ion:152 Resp: 91911
 Ion Ratio Lower Upper
 152 100
 150 158.8 125.0 187.4
 115 64.8 53.6 80.4



#5
 2-Fluorophenol
 Concen: 130.097 ng
 RT: 5.416 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: BF141744.D
 Acq: 24 Feb 2025 15:09

Tgt Ion:112 Resp: 762708
 Ion Ratio Lower Upper
 112 100
 64 61.3 51.1 76.7
 63 33.2 28.4 42.6

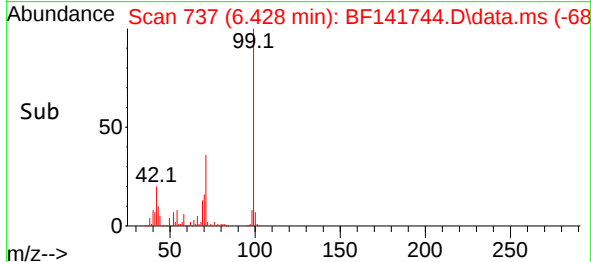
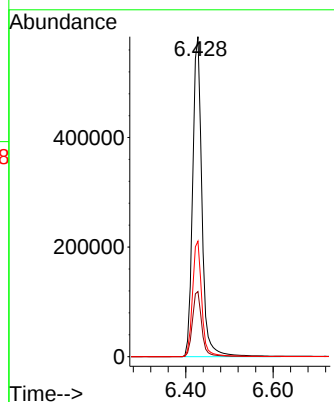
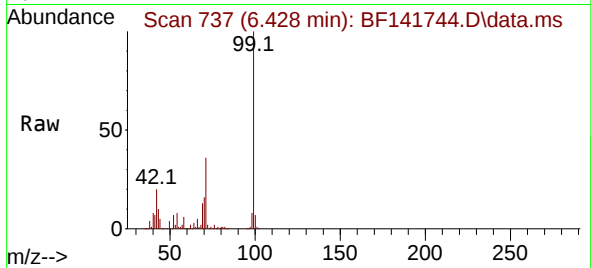




#7
Phenol-d6
Concen: 116.807 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

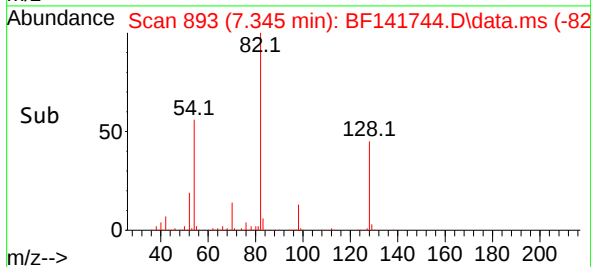
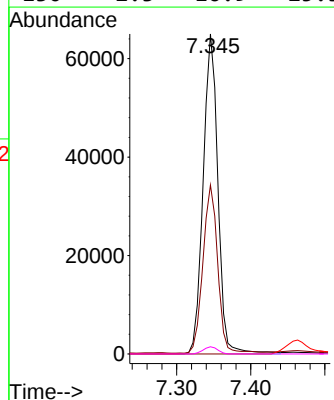
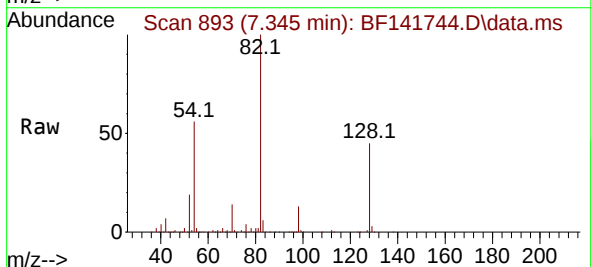
Instrument :
BNA_F
ClientSampleId :
TP8

Tgt Ion: 99 Resp: 865524
Ion Ratio Lower Upper
99 100
42 20.3 19.1 28.7
71 36.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 20.317 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

Tgt Ion: 70 Resp: 90051
Ion Ratio Lower Upper
70 100
42 52.8 57.4 86.2#
101 0.0 8.0 12.0#
130 2.3 16.9 25.3#

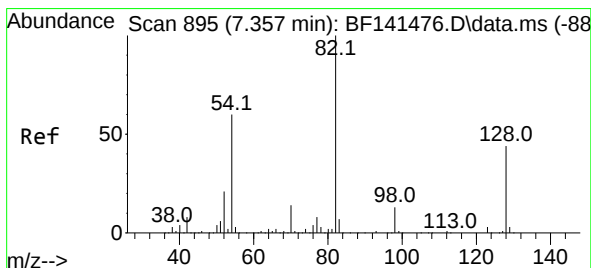
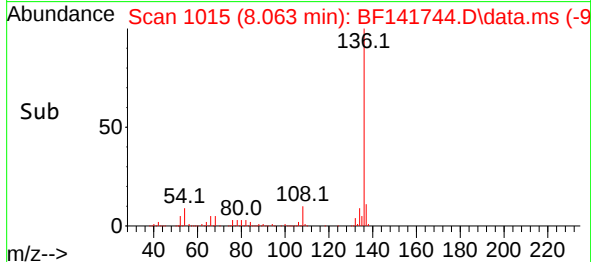
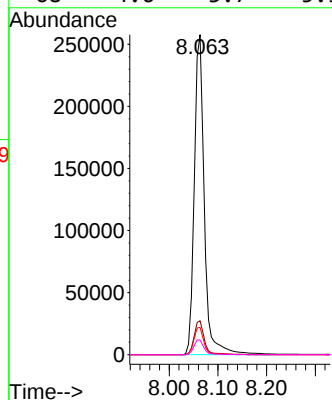
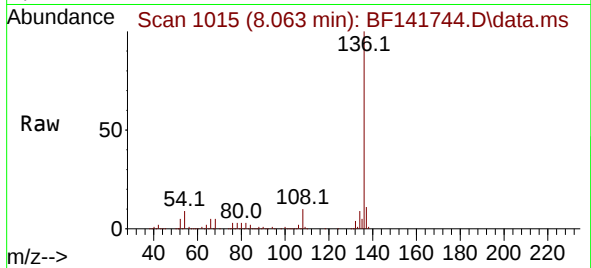




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

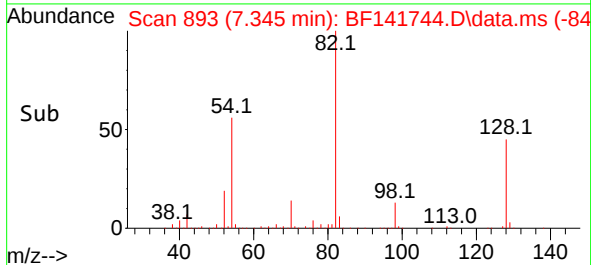
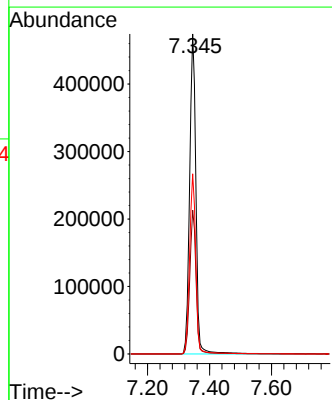
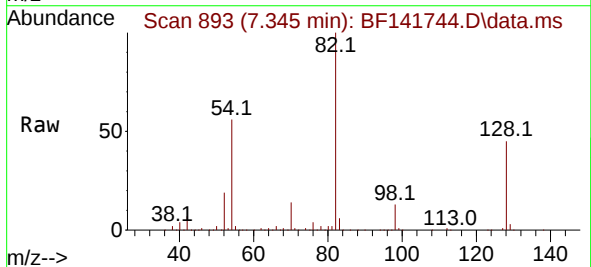
Instrument :
BNA_F
ClientSampleId :
TP8

Tgt	Ion:136	Resp:	371022
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.5	7.2	10.8
68	4.6	3.7	5.5



#23
Nitrobenzene-d5
Concen: 93.993 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

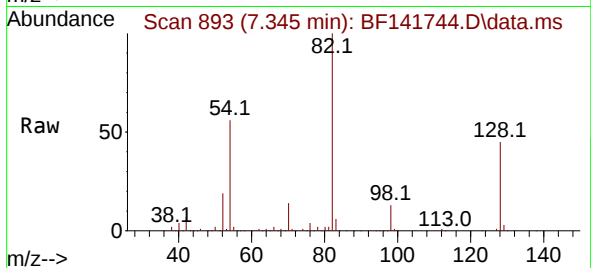
Tgt Ion: 82	Resp: 668606
Ion Ratio	Lower Upper
82 100	
128 45.0	34.8 52.2
54 56.3	48.2 72.4



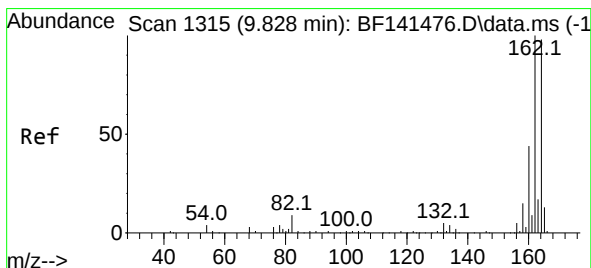
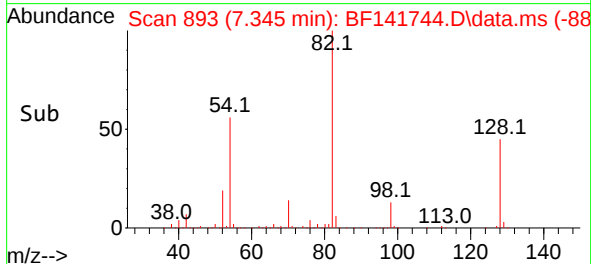
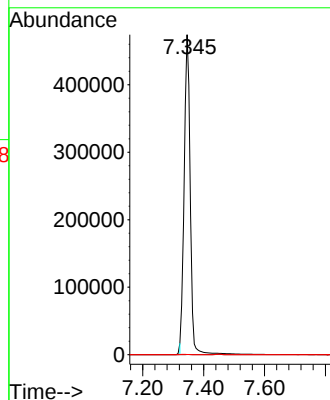


#25
Isophorone
Concen: 57.967 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

Instrument :
BNA_F
ClientSampleId :
TP8

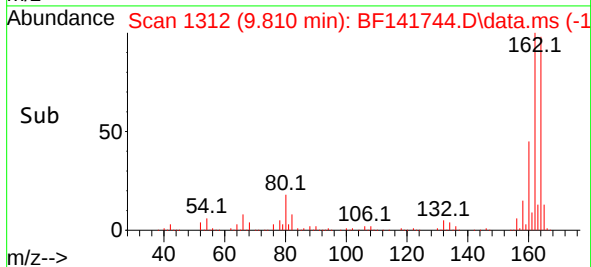
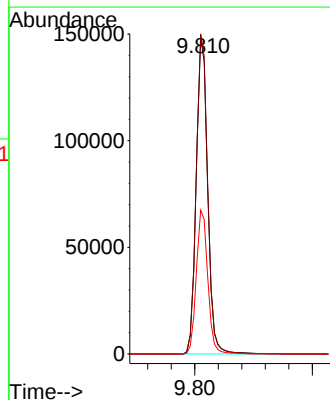
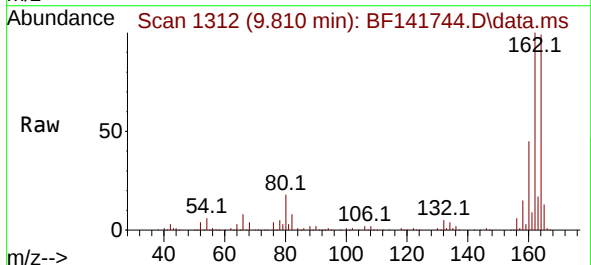


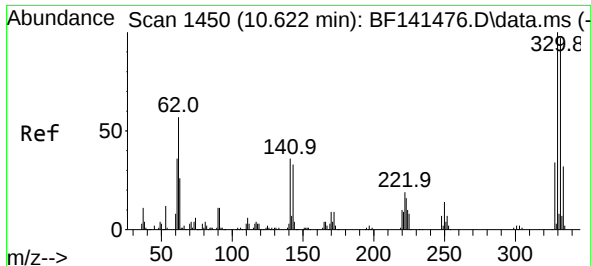
Tgt Ion: 82 Resp: 657462
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.1 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

Tgt Ion: 164 Resp: 200666
Ion Ratio Lower Upper
164 100
162 101.2 81.3 121.9
160 45.5 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 135.361 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141744.D

Acq: 24 Feb 2025 15:09

Instrument :

BNA_F

ClientSampleId :

TP8

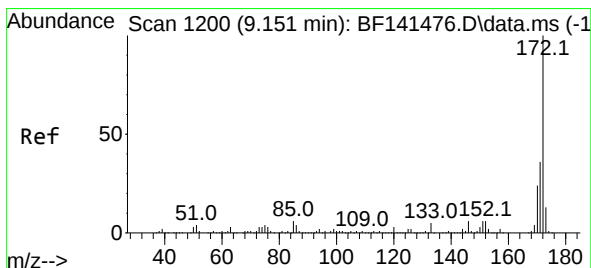
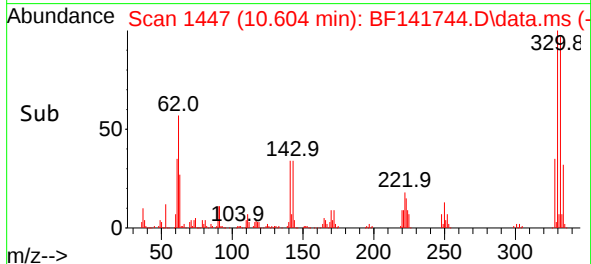
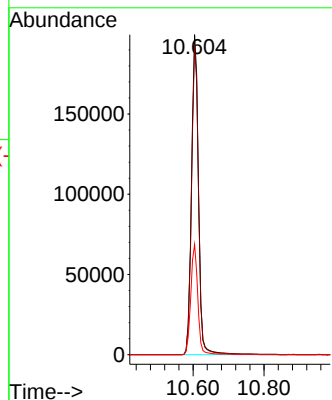
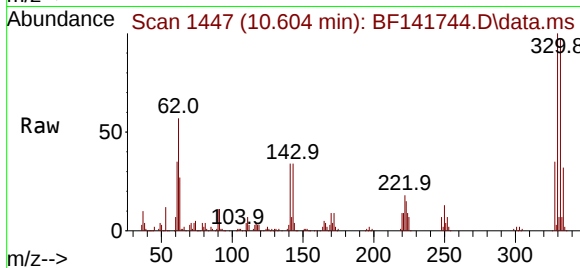
Tgt Ion:330 Resp: 272858

Ion Ratio Lower Upper

330 100

332 96.6 78.5 117.7

141 34.7 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 94.927 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141744.D

Acq: 24 Feb 2025 15:09

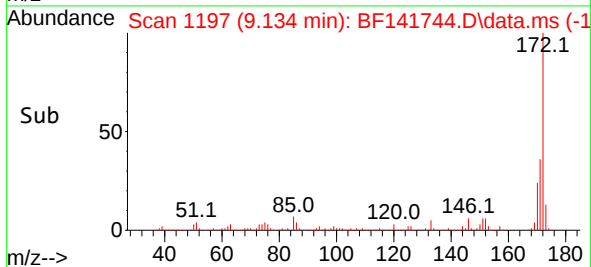
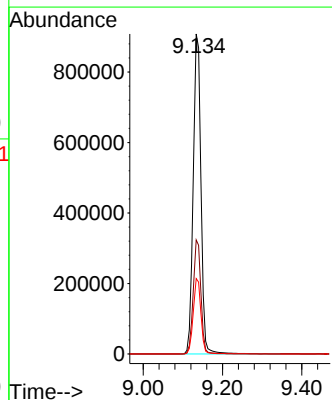
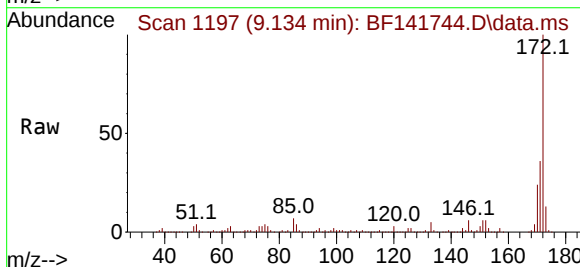
Tgt Ion:172 Resp: 1236409

Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

170 23.6 18.9 28.3

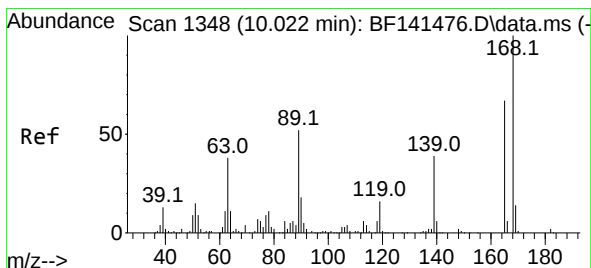
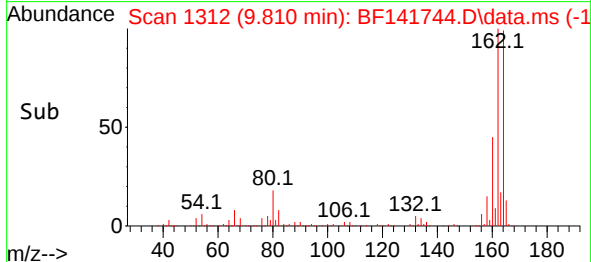
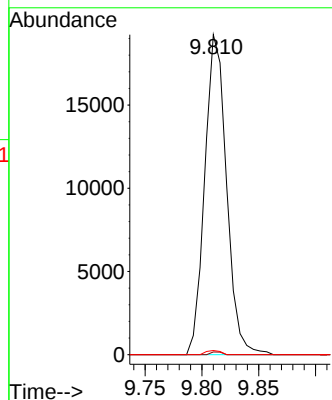
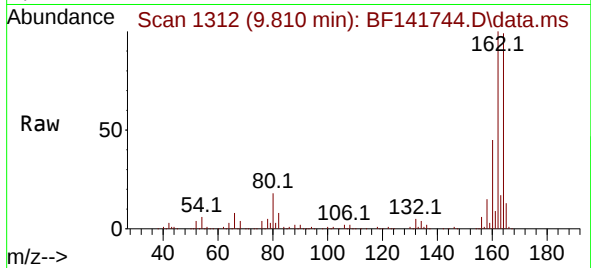




#51
2,6-Dinitrotoluene
Concen: 8.613 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

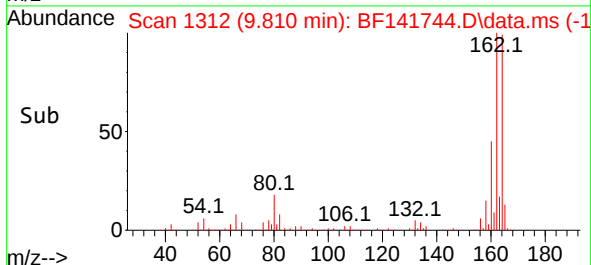
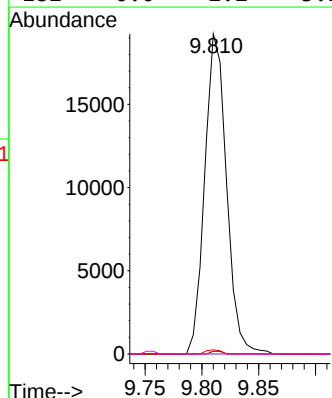
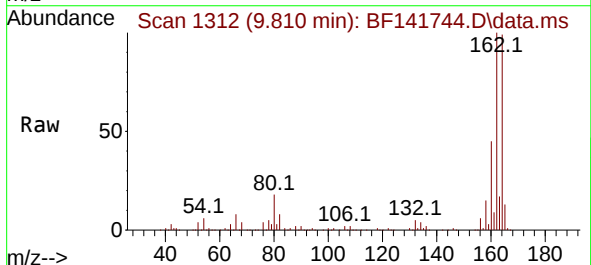
Instrument :
BNA_F
ClientSampleId :
TP8

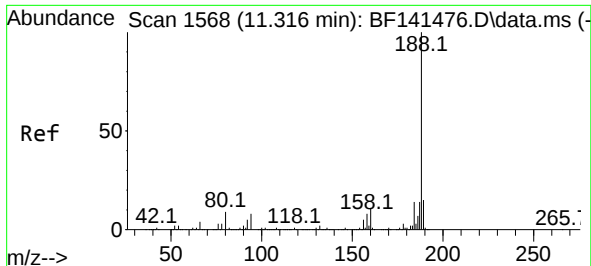
Tgt Ion:165 Resp: 25651
Ion Ratio Lower Upper
165 100
63 0.8 49.4 74.0#
89 1.3 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.470 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.217 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

Tgt Ion:165 Resp: 25651
Ion Ratio Lower Upper
165 100
63 0.8 46.4 69.6#
89 1.3 61.8 92.6#
182 0.0 2.2 3.2#

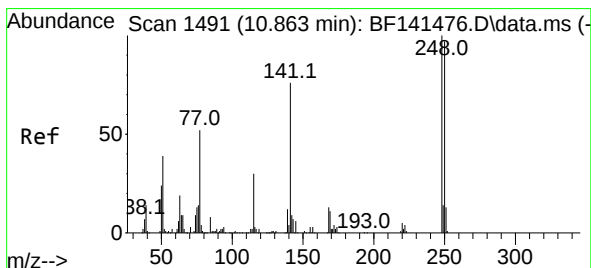
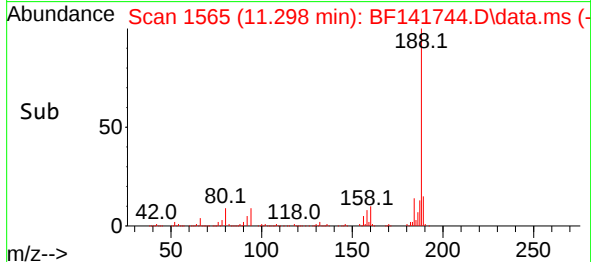
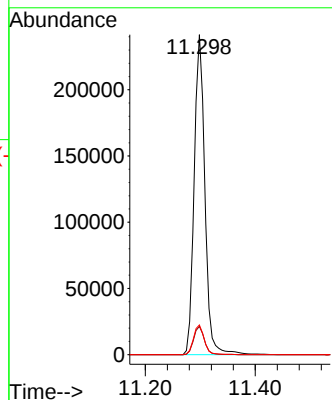
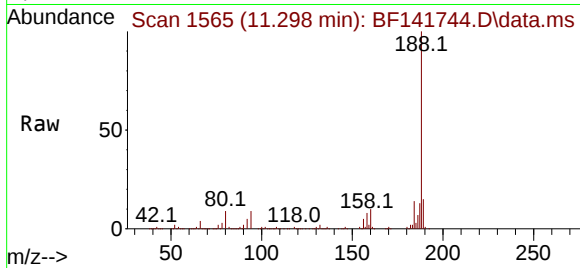




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

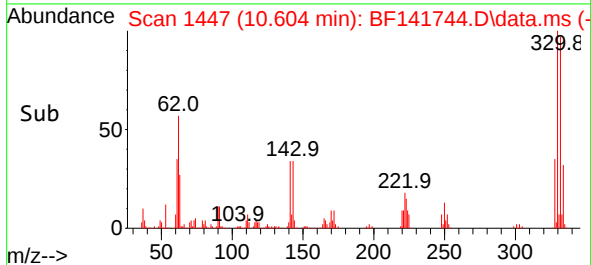
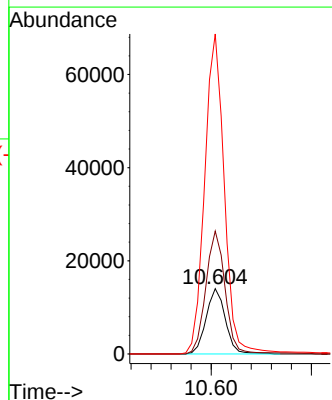
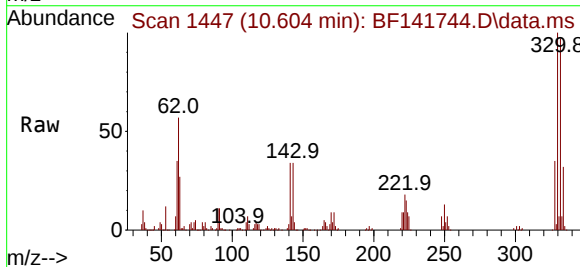
Instrument :
BNA_F
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TP8

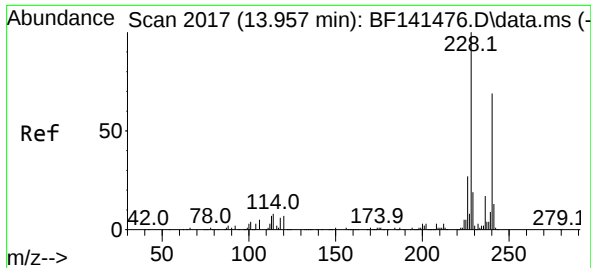
Tgt Ion:188 Resp: 326180
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.3 7.3 10.9



#67
4-Bromophenyl-phenylether
Concen: 5.144 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.259 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

Tgt Ion:248 Resp: 18753
Ion Ratio Lower Upper
248 100
250 188.2 77.8 116.6#
141 489.9 60.6 90.8#

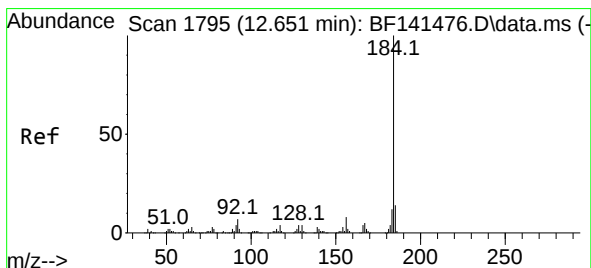
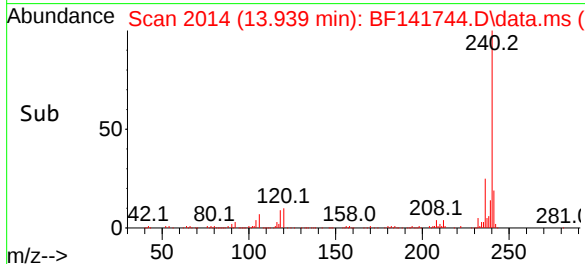
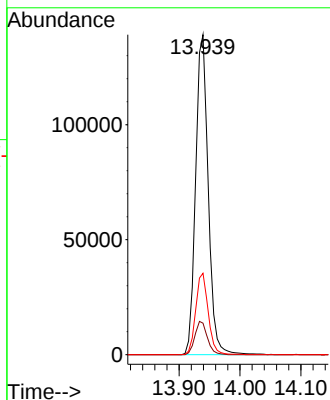
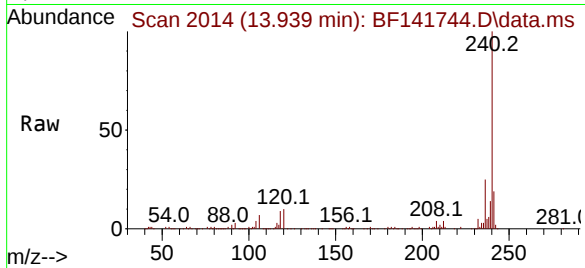




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

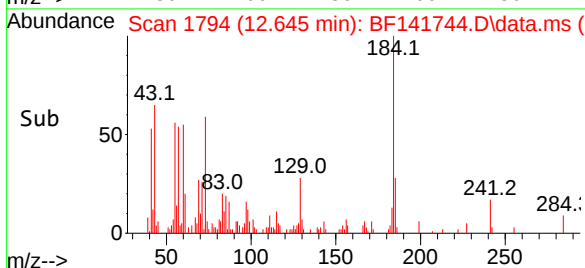
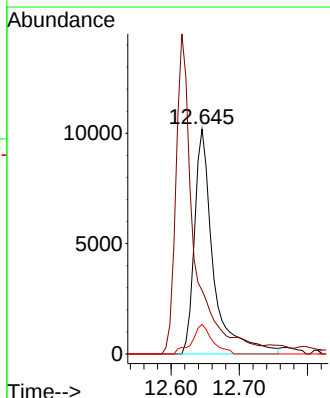
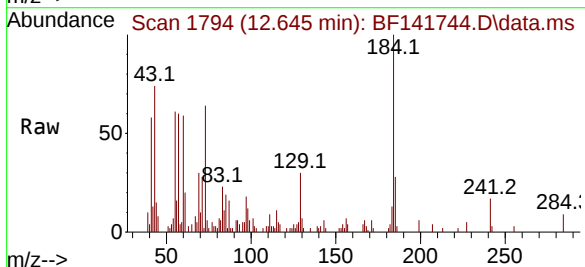
Instrument :
BNA_F
ClientSampleId :
TP8

Tgt Ion:240 Resp: 199910
Ion Ratio Lower Upper
240 100
120 9.9 8.0 12.0
236 25.5 19.8 29.8



#77
Benzidine
Concen: 4.447 ng
RT: 12.645 min Scan# 1794
Delta R.T. -0.012 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

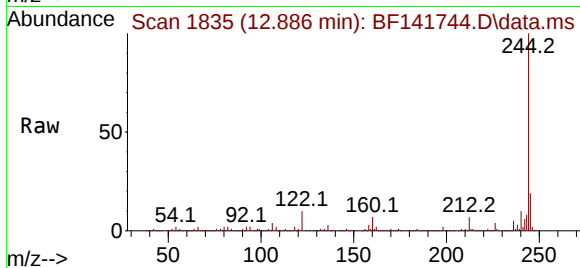
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Ion Ratio Lower Upper
184 100
185 28.4 11.3 16.9#
183 13.1 9.3 13.9



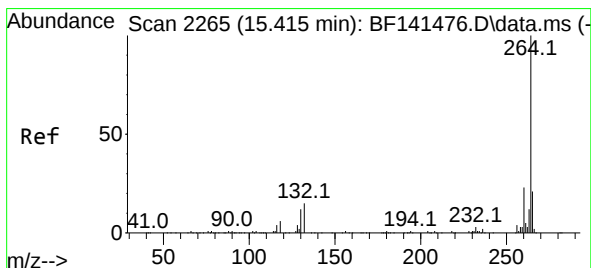
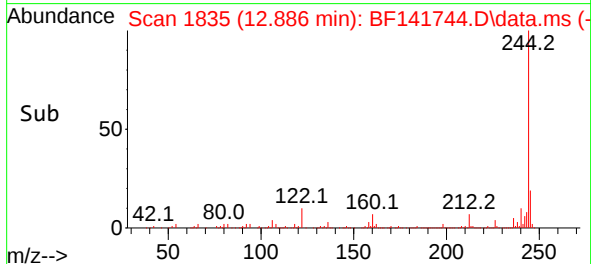
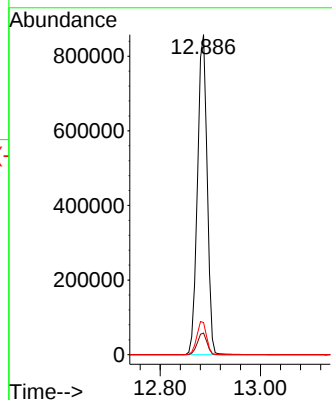


#79
 Terphenyl-d14
 Concen: 96.479 ng
 RT: 12.886 min Scan# 11
 Delta R.T. -0.017 min
 Lab File: BF141744.D
 Acq: 24 Feb 2025 15:09

Instrument :
 BNA_F
 ClientSampleId :
 TP8



Tgt Ion:244 Resp: 1142481
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.1 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 2259
 Delta R.T. -0.035 min
 Lab File: BF141744.D
 Acq: 24 Feb 2025 15:09

Tgt Ion:264 Resp: 216203
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 28.0
 265 20.9 17.0 25.4

