

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141487.D
 Acq On : 06 Feb 2025 18:27
 Operator : RC/JU
 Sample : Q1309-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Feb 07 01:53:04 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	6.787	152	96906	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	396179	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	217161	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	377263	20.000	ng	0.00
76) Chrysene-d12	13.951	240	268568	20.000	ng	-0.01
86) Perylene-d12	15.404	264	210548	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	494348	79.976	ng	0.00
7) Phenol-d6	6.422	99	623780	79.843	ng	-0.02
23) Nitrobenzene-d5	7.346	82	418480	55.094	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	180473	82.730	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	804885	57.102	ng	0.00
79) Terphenyl-d14	12.898	244	942970	59.273	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.346	70	58555	12.530	ng	# 74
25) Isophorone	7.346	82	404968	33.438	ng	# 66
50) Dimethylphthalate	9.822	163	31690	2.150	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	28440	8.825	ng	# 23
57) 2,4-Dinitrotoluene	9.822	165	28440	6.629	ng	# 19
63) Azobenzene	10.539	77	36732	2.547	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	12241	2.903	ng	# 1
77) Benzidine	12.898	184	12777	2.157	ng	# 93

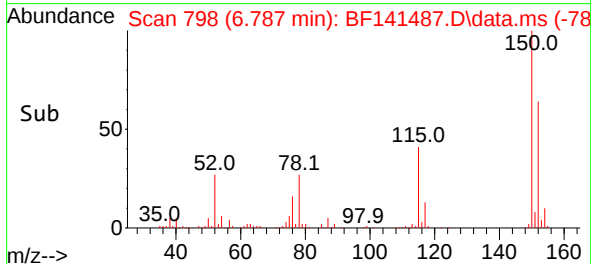
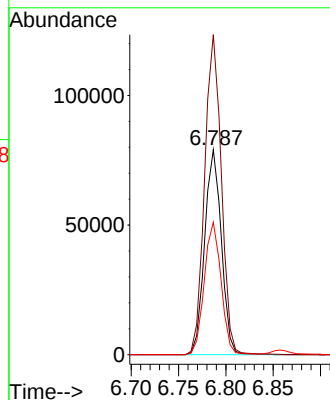
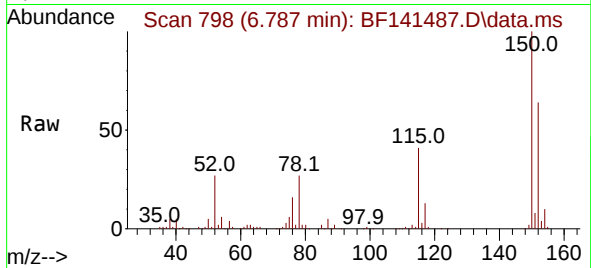
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

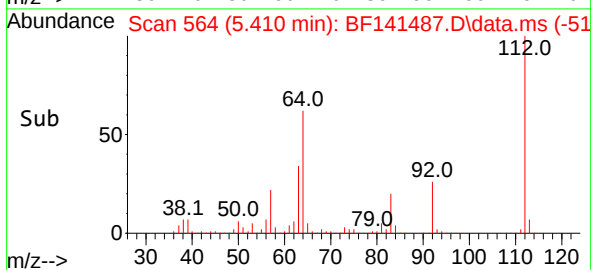
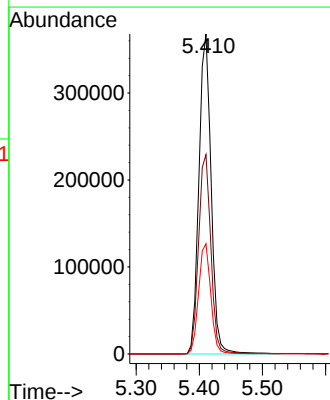
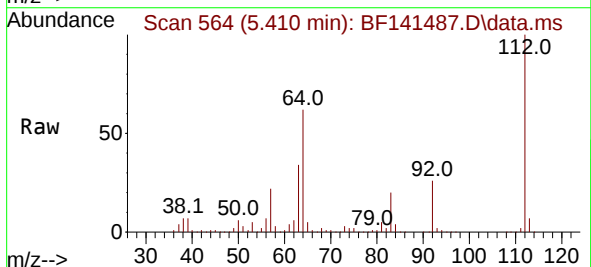
Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:152 Resp: 96906
Ion Ratio Lower Upper
152 100
150 156.2 125.0 187.4
115 64.6 53.6 80.4



#5
2-Fluorophenol
Concen: 79.976 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

Tgt Ion:112 Resp: 494348
Ion Ratio Lower Upper
112 100
64 62.3 51.1 76.7
63 34.4 28.4 42.6

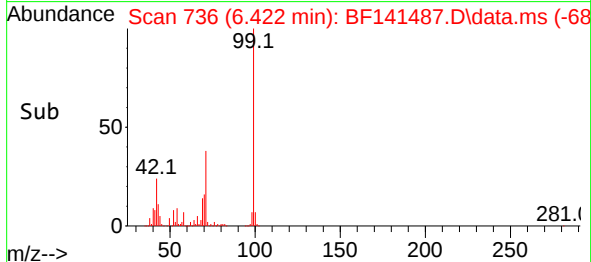
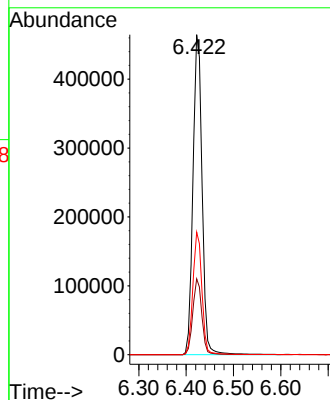
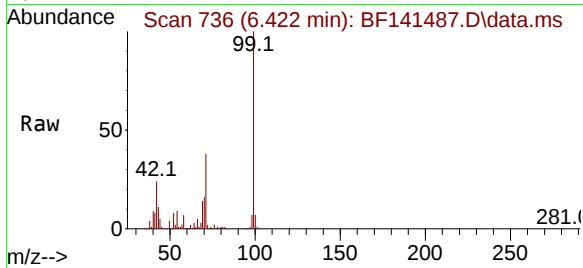




#7
Phenol-d6
Concen: 79.843 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

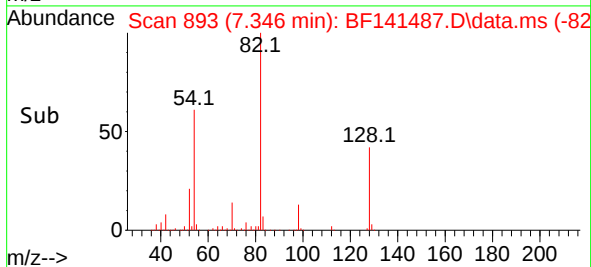
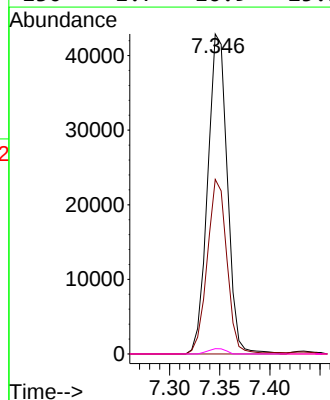
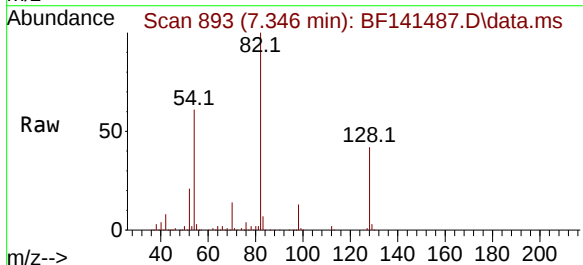
Instrument :
BNA_F
ClientSampleId :
WC-3

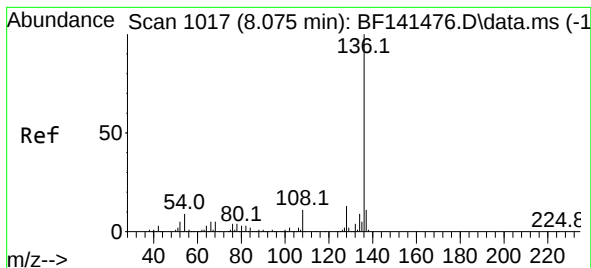
Tgt Ion: 99 Resp: 623780
Ion Ratio Lower Upper
99 100
42 23.7 19.1 28.7
71 38.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.530 ng
RT: 7.346 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

Tgt Ion: 70 Resp: 58555
Ion Ratio Lower Upper
70 100
42 54.6 57.4 86.2#
101 0.0 8.0 12.0#
130 1.7 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141487.D

Acq: 06 Feb 2025 18:27

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion:136 Resp: 396179

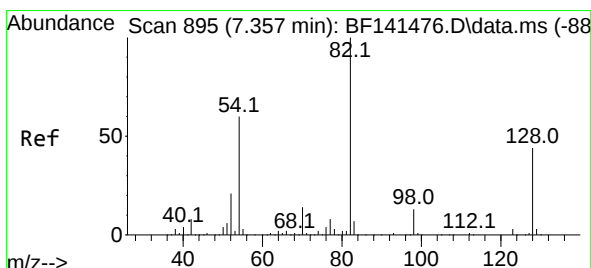
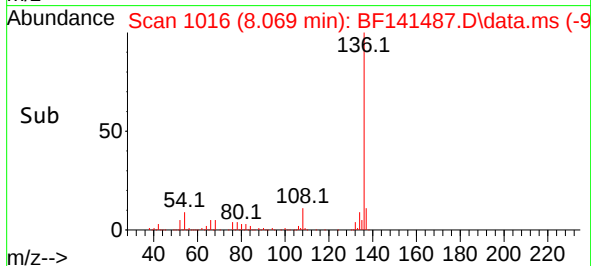
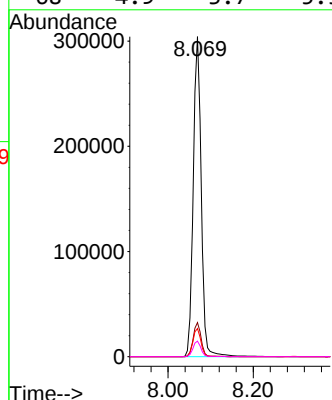
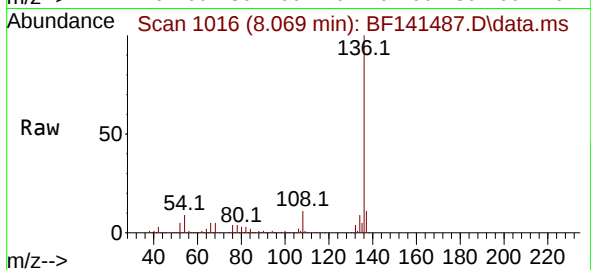
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 8.8 7.2 10.8

68 4.9 3.7 5.5



#23

Nitrobenzene-d5

Concen: 55.094 ng

RT: 7.346 min Scan# 893

Delta R.T. -0.017 min

Lab File: BF141487.D

Acq: 06 Feb 2025 18:27

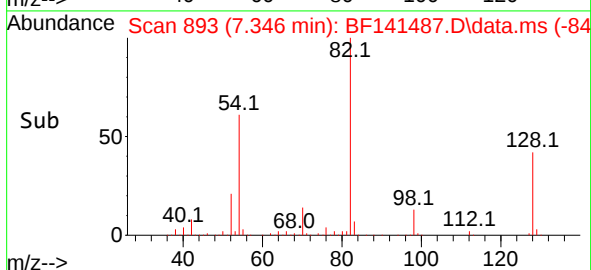
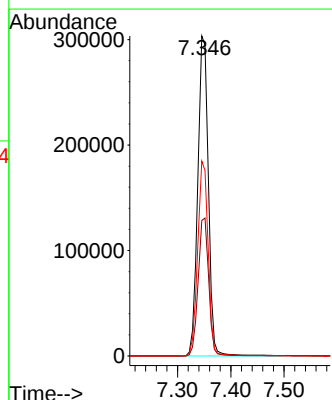
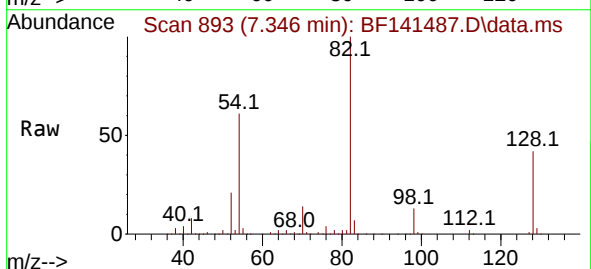
Tgt Ion: 82 Resp: 418480

Ion Ratio Lower Upper

82 100

128 42.4 34.8 52.2

54 60.9 48.2 72.4

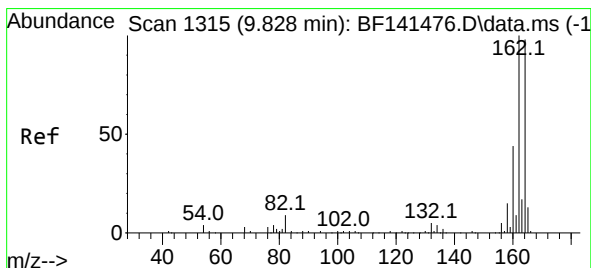
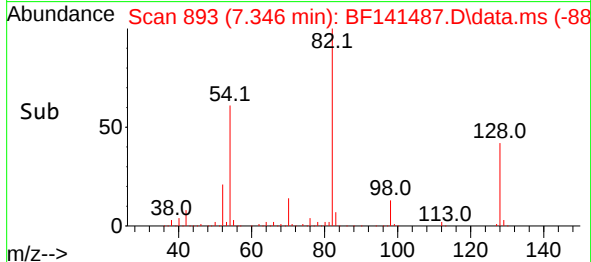
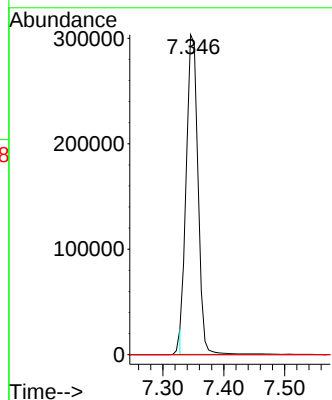
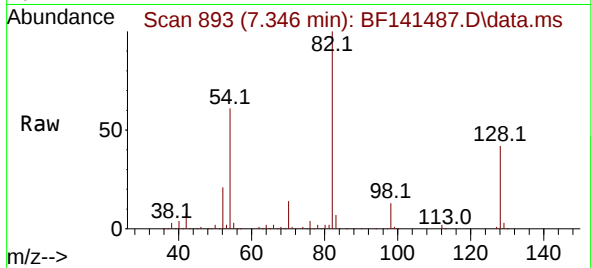




#25
Isophorone
Concen: 33.438 ng
RT: 7.346 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

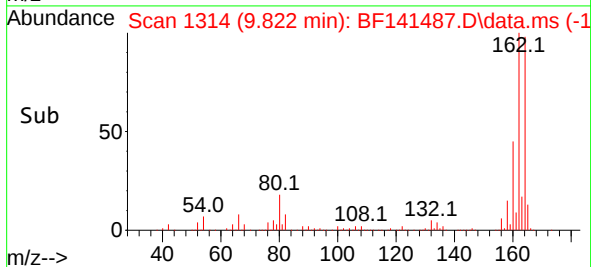
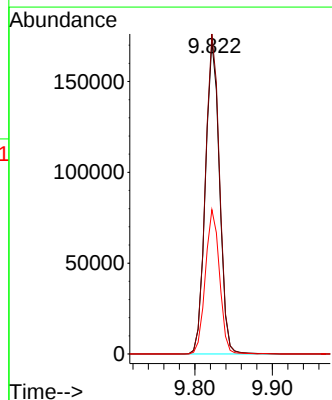
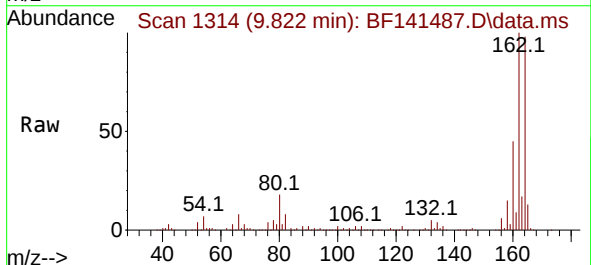
Instrument :
BNA_F
ClientSampleId :
WC-3

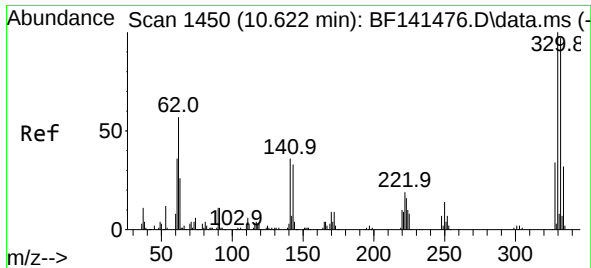
Tgt Ion: 82 Resp: 404968
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.011 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

Tgt Ion:164 Resp: 217161
Ion Ratio Lower Upper
164 100
162 102.4 81.3 121.9
160 46.2 35.9 53.9

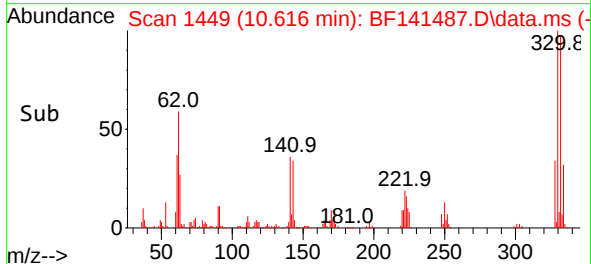
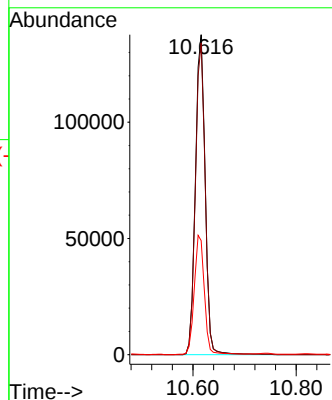
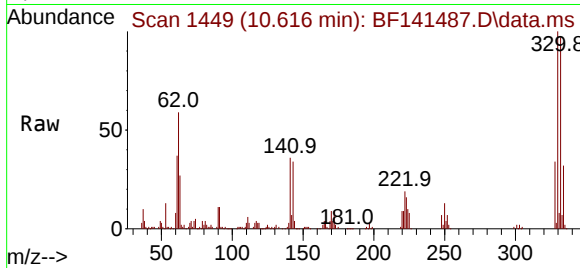




#42
 2,4,6-Tribromophenol
 Concen: 82.730 ng
 RT: 10.616 min Scan# 1450
 Delta R.T. -0.011 min
 Lab File: BF141487.D
 Acq: 06 Feb 2025 18:27

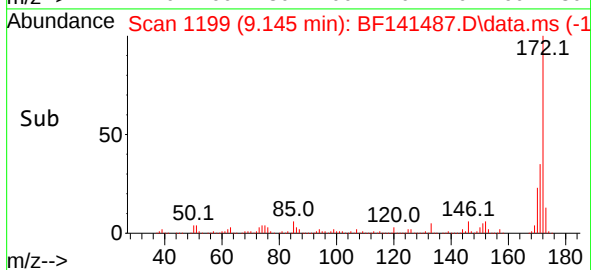
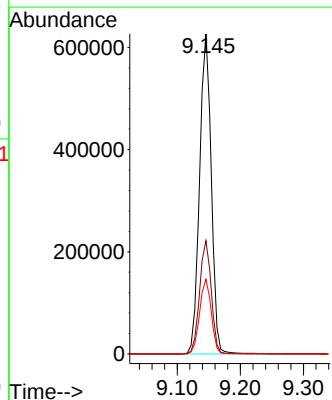
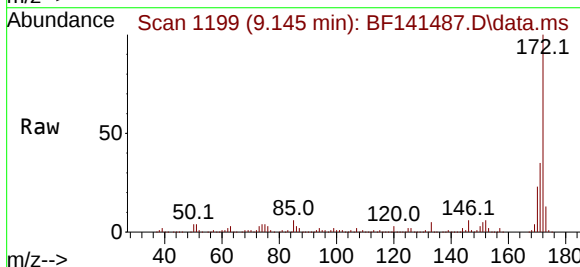
Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Tgt Ion: 330 Resp: 180473
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.5 117.7
 141 38.9 31.0 46.4



#45
 2-Fluorobiphenyl
 Concen: 57.102 ng
 RT: 9.145 min Scan# 1199
 Delta R.T. -0.006 min
 Lab File: BF141487.D
 Acq: 06 Feb 2025 18:27

Tgt Ion: 172 Resp: 804885
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.7 43.1
 170 23.4 18.9 28.3

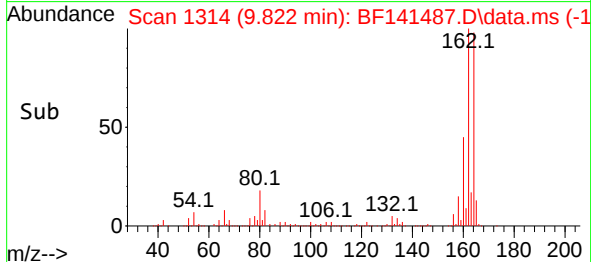
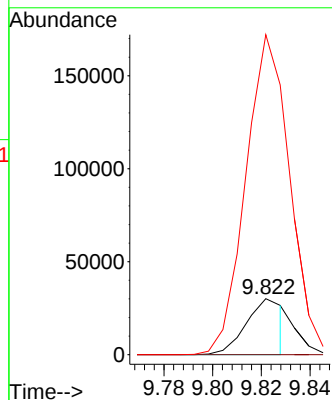
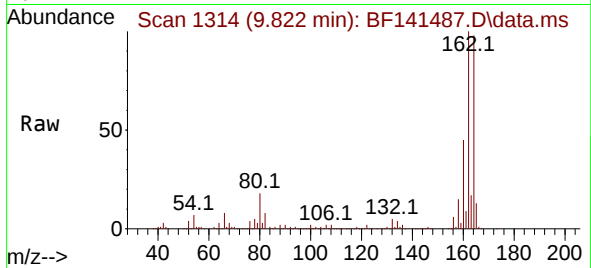




#50
Dimethylphthalate
Concen: 2.150 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

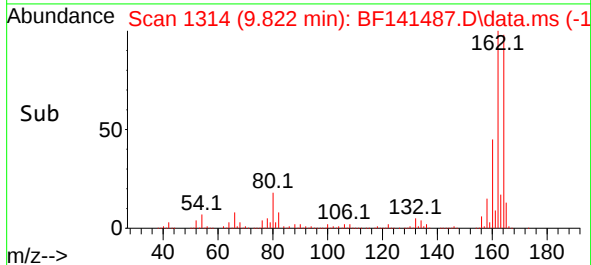
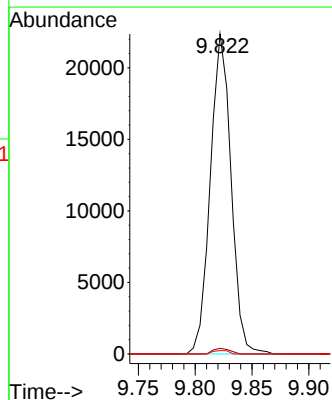
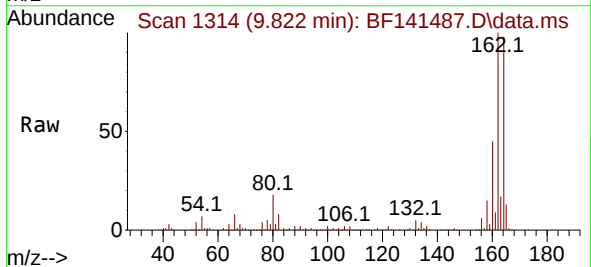
Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:163 Resp: 31690
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 571.5 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.825 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

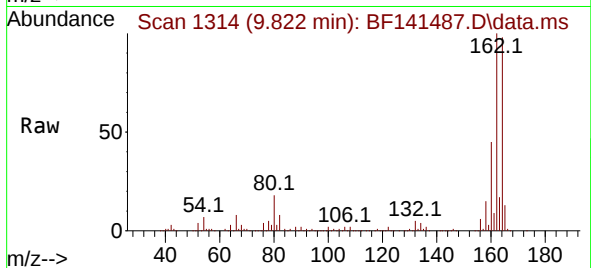
Tgt Ion:165 Resp: 28440
Ion Ratio Lower Upper
165 100
63 1.7 49.4 74.0#
89 1.1 46.5 69.7#



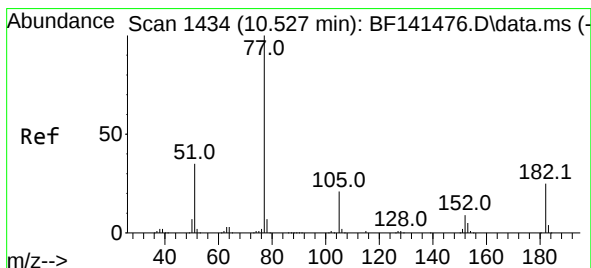
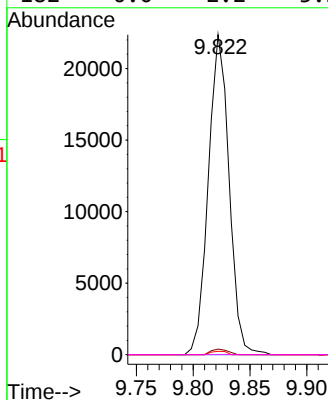
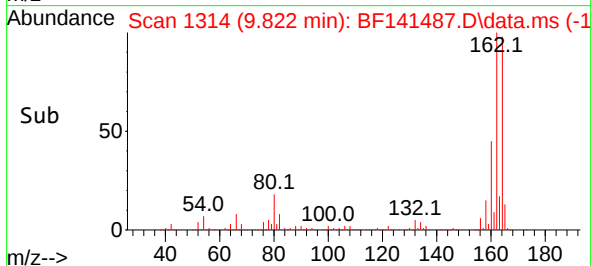


#57
2,4-Dinitrotoluene
Concen: 6.629 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
WC-3

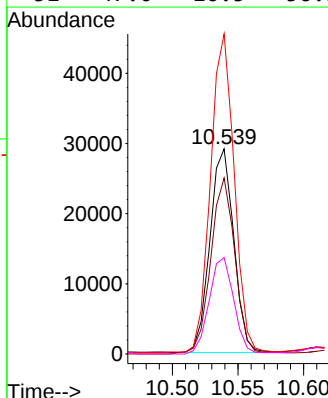
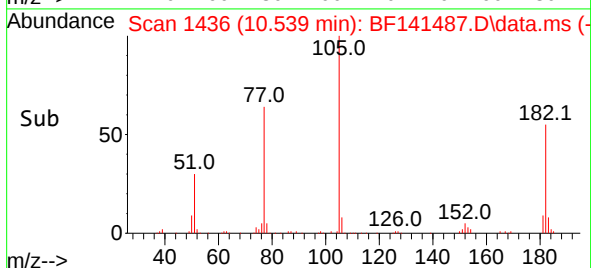
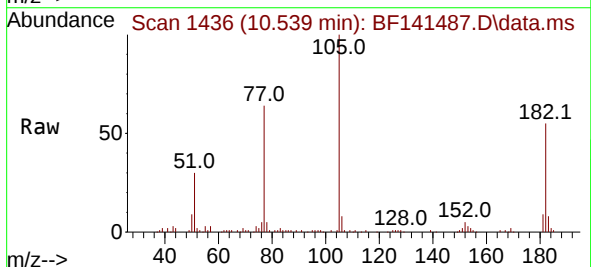


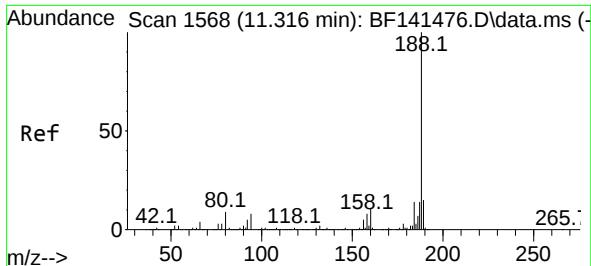
Tgt Ion:	165	Resp:	28440
Ion	Ratio	Lower	Upper
165	100		
63	1.7	46.4	69.6#
89	1.1	61.8	92.6#
182	0.0	2.2	3.2#



#63
Azobenzene
Concen: 2.547 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

Tgt Ion:	77	Resp:	36732
Ion	Ratio	Lower	Upper
77	100		
182	85.8	4.7	44.7#
105	156.0	0.4	40.4#
51	47.0	16.5	56.5

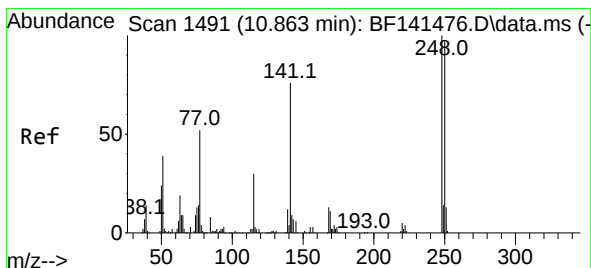
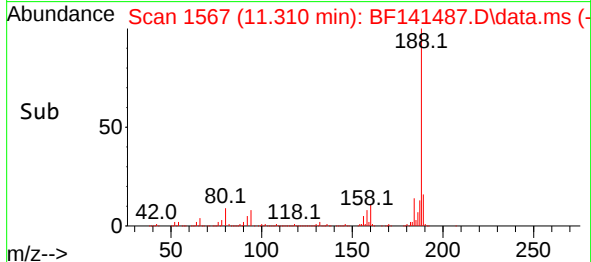
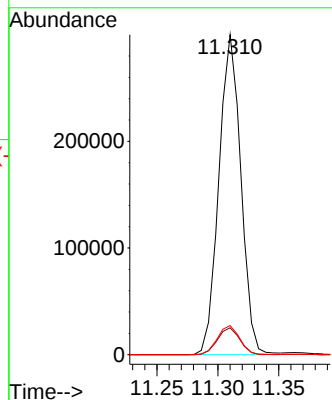
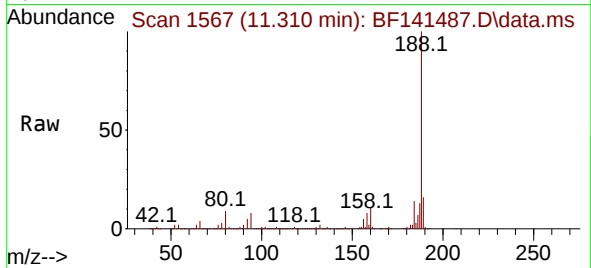




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

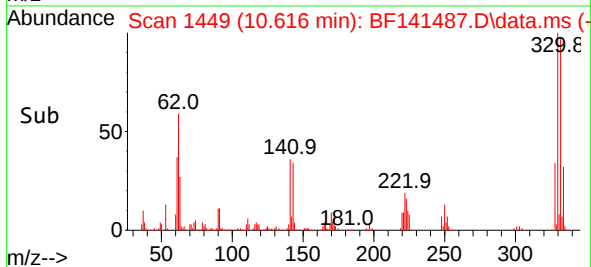
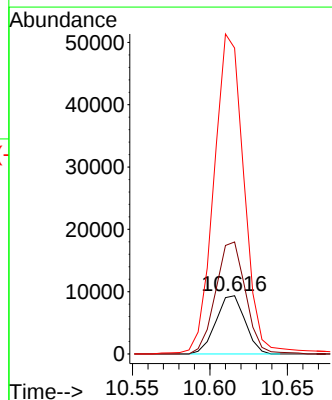
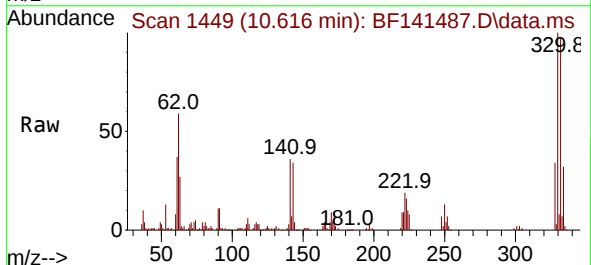
Instrument :
BNA_F
ClientSampleId :
WC-3

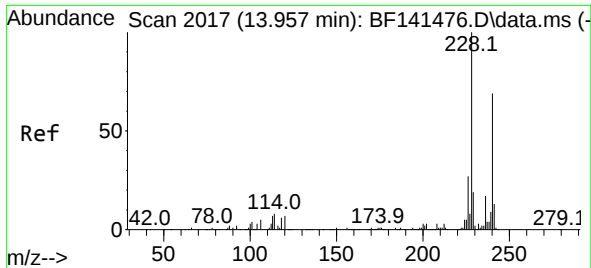
Tgt Ion:188 Resp: 377263
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 9.1 7.3 10.9



#67
4-Bromophenyl-phenylether
Concen: 2.903 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.247 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

Tgt Ion:248 Resp: 12241
Ion Ratio Lower Upper
248 100
250 192.4 77.8 116.6#
141 525.3 60.6 90.8#

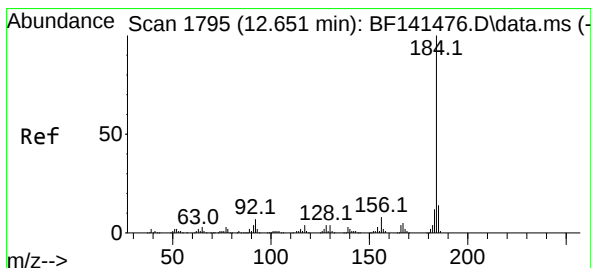
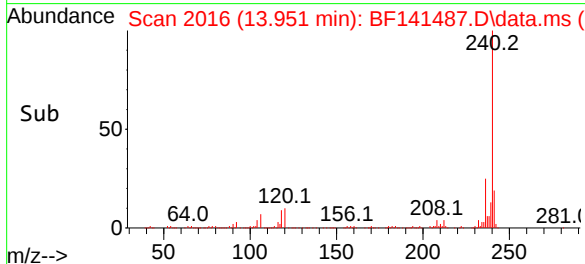
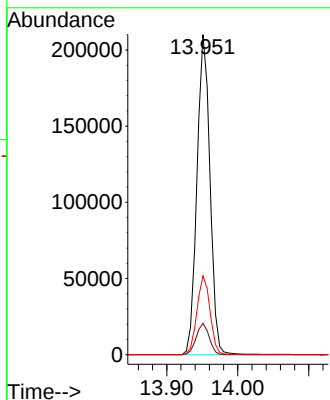
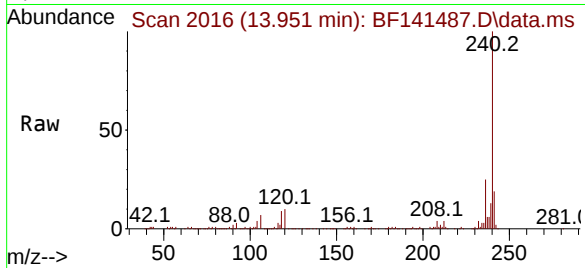




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

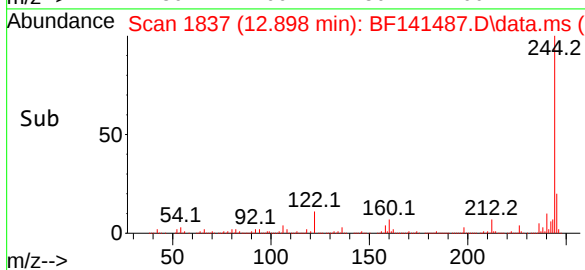
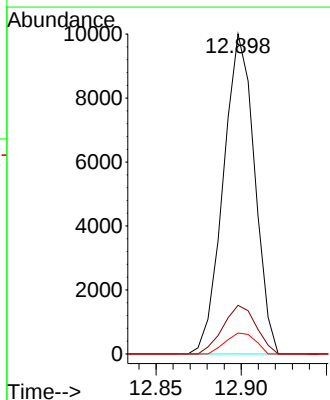
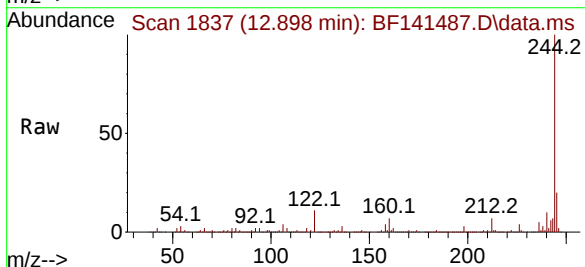
Instrument :
BNA_F
ClientSampleId :
WC-3

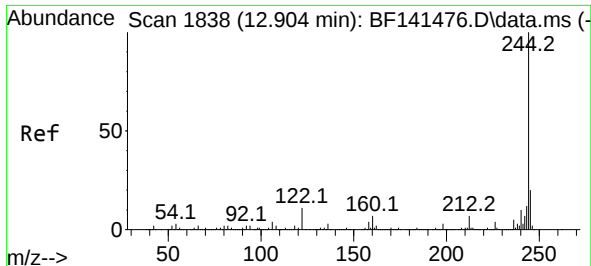
Tgt Ion:240 Resp: 268568
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 24.6 19.8 29.8



#77
Benzidine
Concen: 2.157 ng
RT: 12.898 min Scan# 1837
Delta R.T. 0.241 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

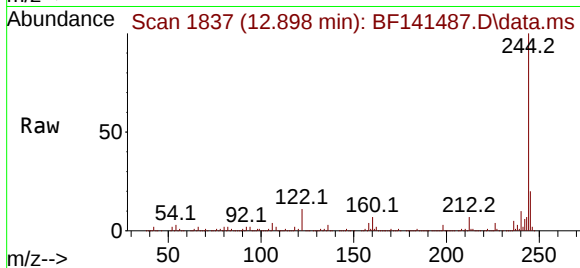
Tgt Ion:184 Resp: 12777
Ion Ratio Lower Upper
184 100
185 15.2 11.3 16.9
183 6.5 9.3 13.9#



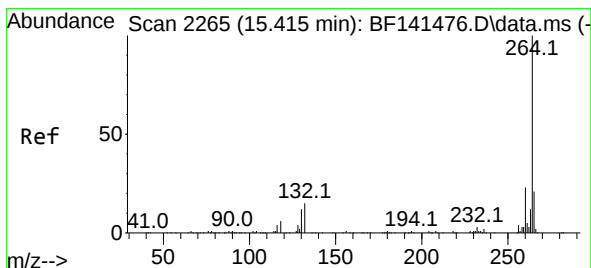
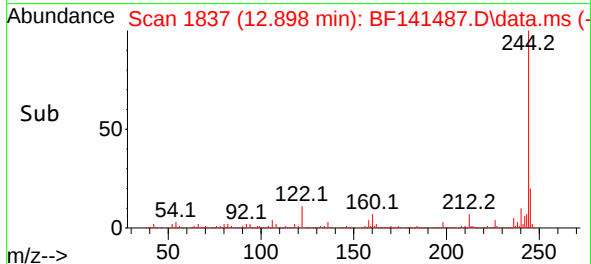
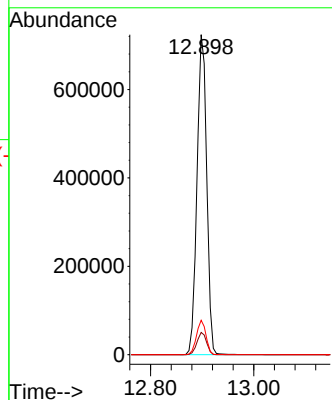


#79
Terphenyl-d14
Concen: 59.273 ng
RT: 12.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion:244 Resp: 942970
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 10.8 8.4 12.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.011 min
Lab File: BF141487.D
Acq: 06 Feb 2025 18:27

Tgt Ion:264 Resp: 210548
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 21.0 17.0 25.4

