

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111925\
 Data File : BF144287.D
 Acq On : 19 Nov 2025 19:47
 Operator : RC/JU
 Sample : Q3659-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TANK-1-COMP-1

Quant Time: Nov 20 00:03:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

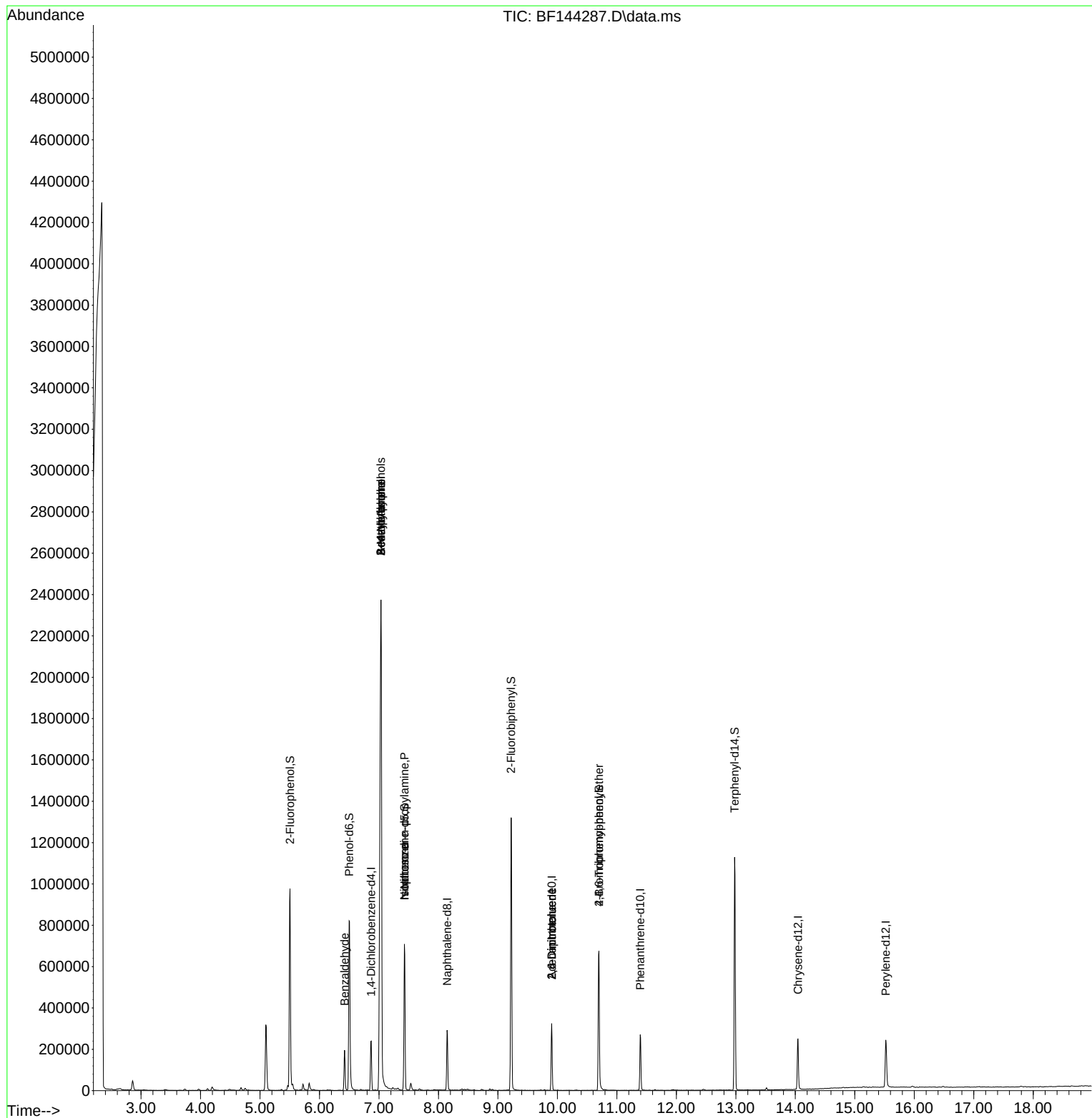
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	51554	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	194233	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	99697	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	157810	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	140217	20.000	ng	0.00
86) Perylene-d12	15.521	264	159921	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	395053	119.915	ng	0.01
7) Phenol-d6	6.498	99	418171	112.024	ng	0.00
23) Nitrobenzene-d5	7.428	82	297217	88.377	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	149546	119.533	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	628703	93.137	ng	0.00
79) Terphenyl-d14	12.980	244	613446	69.492	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.422	77	53954	25.596	ng	99
15) Benzyl Alcohol	7.034	79	1087941	368.068	ng	96
17) 2-Methylphenol	7.034	107	514462	200.161	ng	# 1
19) n-Nitroso-di-n-propyla...	7.428	70	43720	17.791	ng	# 80
20) 3+4-Methylphenols	7.034	107	501263	165.442	ng	# 37
22) Acetophenone	7.034	105	35735	8.576	ng	# 1
25) Isophorone	7.428	82	297217	46.723	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	13100	9.798	ng	# 27
57) 2,4-Dinitrotoluene	9.904	165	13100	7.319	ng	# 27
67) 4-Bromophenyl-phenylether	10.698	248	8413	4.177	ng	# 1

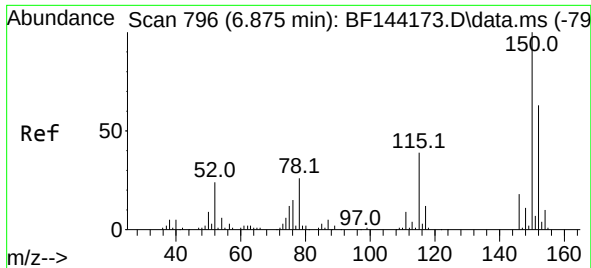
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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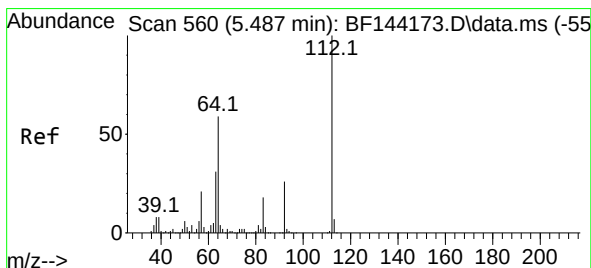
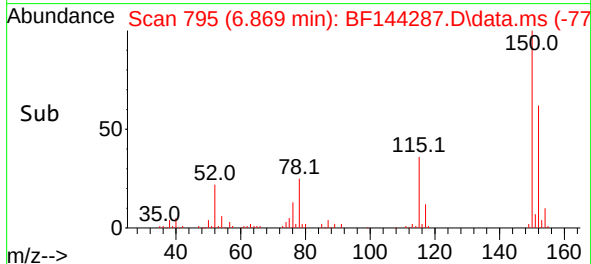
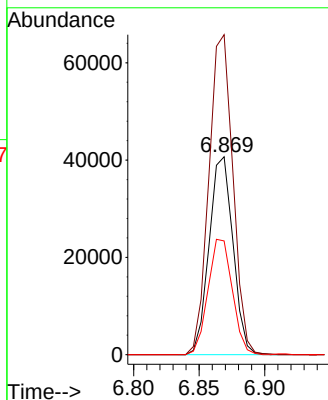
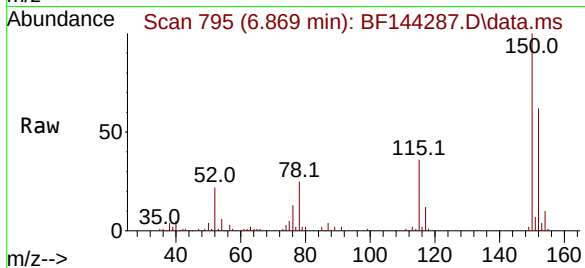




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 796
 Delta R.T. -0.006 min
 Lab File: BF144287.D
 Acq: 19 Nov 2025 19:47

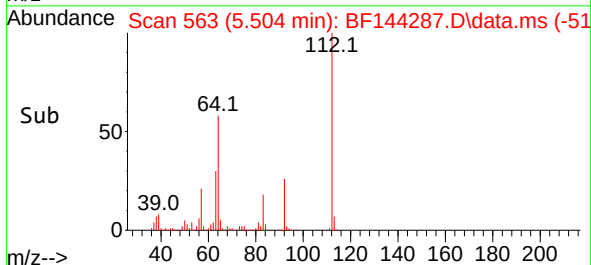
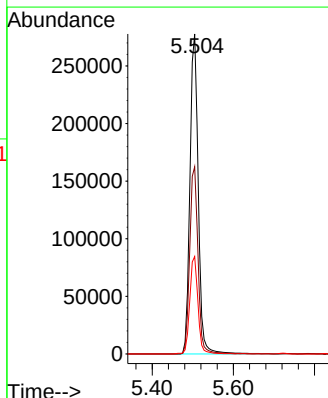
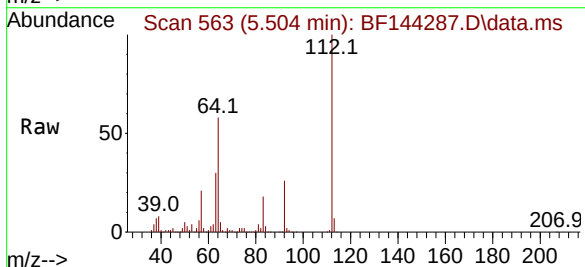
Instrument :
 BNA_F
 ClientSampleId :
 TANK-1-COMP-1

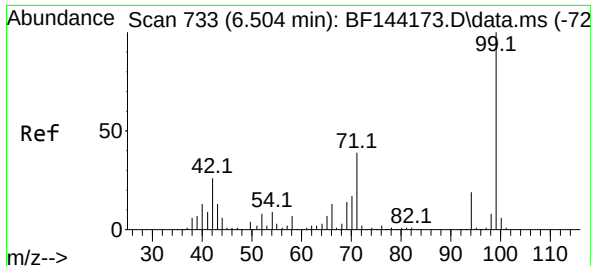
Tgt Ion:152 Resp: 51554
 Ion Ratio Lower Upper
 152 100
 150 161.6 127.4 191.0
 115 57.4 49.5 74.3



#5
 2-Fluorophenol
 Concen: 119.915 ng
 RT: 5.504 min Scan# 563
 Delta R.T. 0.012 min
 Lab File: BF144287.D
 Acq: 19 Nov 2025 19:47

Tgt Ion:112 Resp: 395053
 Ion Ratio Lower Upper
 112 100
 64 58.5 47.2 70.8
 63 30.4 24.4 36.6

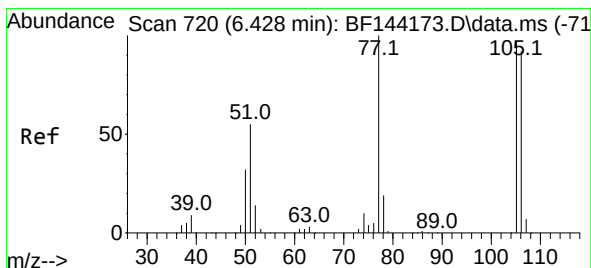
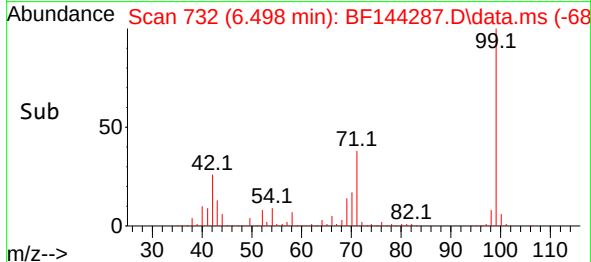
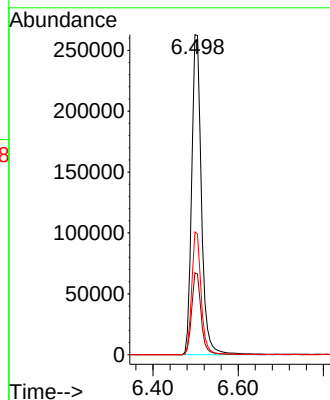
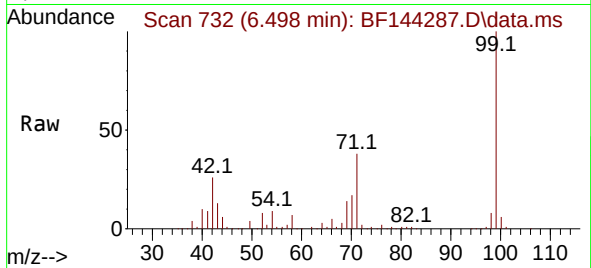




#7
Phenol-d6
Concen: 112.024 ng
RT: 6.498 min Scan# 719
Delta R.T. 0.000 min
Lab File: BF144287.D
Acq: 19 Nov 2025 19:47

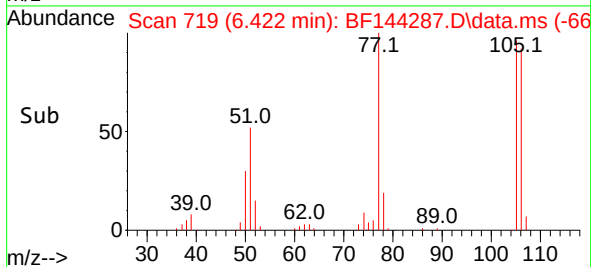
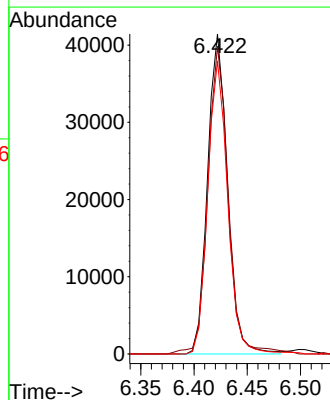
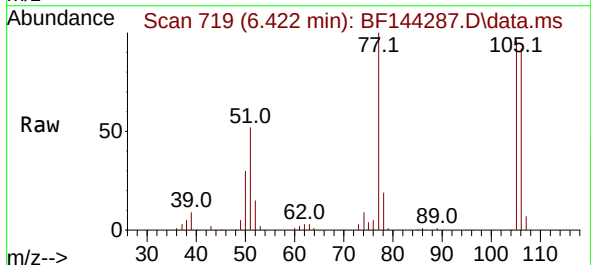
Instrument :
BNA_F
ClientSampleId :
TANK-1-COMP-1

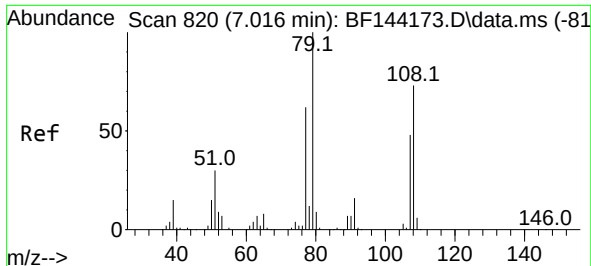
Tgt Ion: 99 Resp: 418171
Ion Ratio Lower Upper
99 100
42 25.6 20.9 31.3
71 38.4 31.4 47.2



#9
Benzaldehyde
Concen: 25.596 ng
RT: 6.422 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF144287.D
Acq: 19 Nov 2025 19:47

Tgt Ion: 77 Resp: 53954
Ion Ratio Lower Upper
77 100
105 96.1 77.2 117.2
106 91.6 72.2 112.2

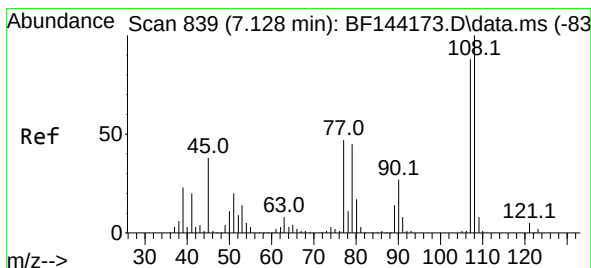
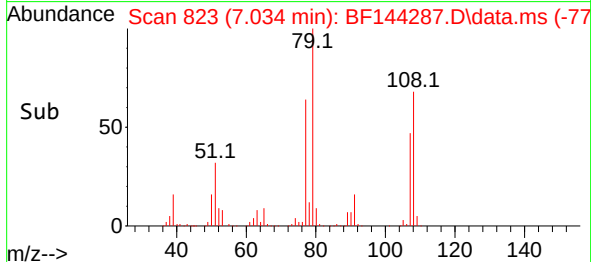
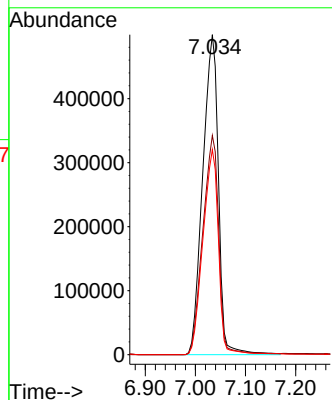
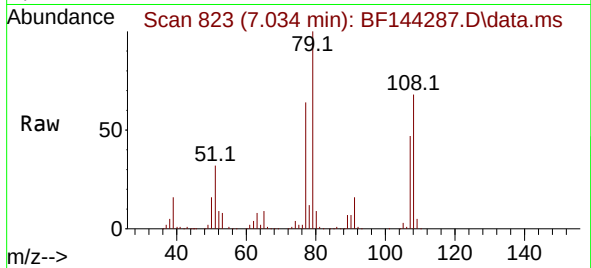




#15
Benzyl Alcohol
Concen: 368.068 ng
RT: 7.034 min Scan# 81
Delta R.T. 0.012 min
Lab File: BF144287.D
Acq: 19 Nov 2025 19:47

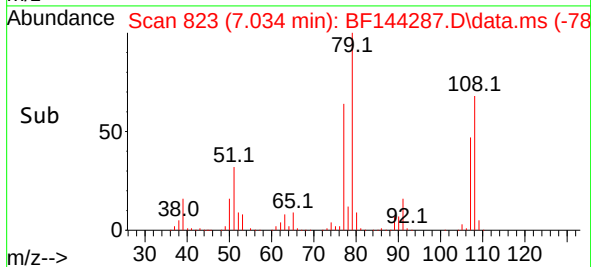
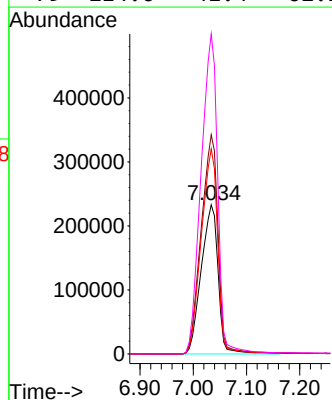
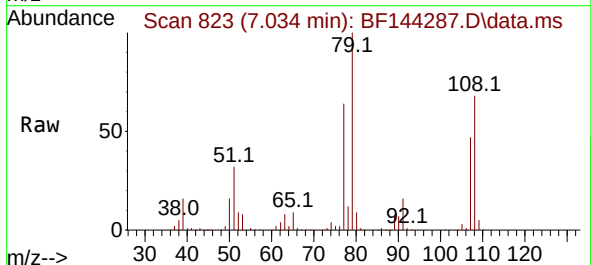
Instrument :
BNA_F
ClientSampleId :
TANK-1-COMP-1

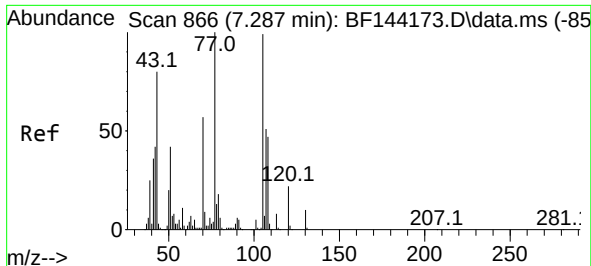
Tgt Ion: 79 Resp: 1087941
Ion Ratio Lower Upper
79 100
108 68.5 58.2 87.4
77 64.1 49.9 74.9



#17
2-Methylphenol
Concen: 200.161 ng
RT: 7.034 min Scan# 823
Delta R.T. -0.088 min
Lab File: BF144287.D
Acq: 19 Nov 2025 19:47

Tgt Ion:107 Resp: 514462
Ion Ratio Lower Upper
107 100
108 147.0 91.0 136.4#
77 137.5 42.7 64.1#
79 214.6 41.4 62.2#





#19

n-Nitroso-di-n-propylamine

Concen: 17.791 ng

RT: 7.428 min Scan# 81

Delta R.T. 0.153 min

Lab File: BF144287.D

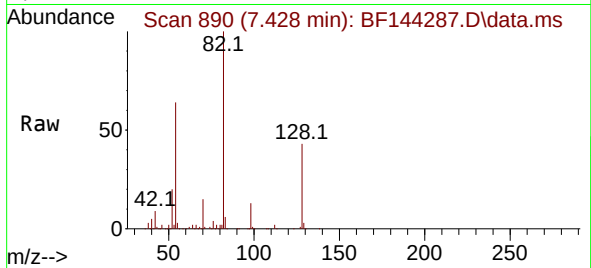
Acq: 19 Nov 2025 19:47

Instrument :

BNA_F

ClientSampleId :

TANK-1-COMP-1



Tgt Ion: 70 Resp: 43720

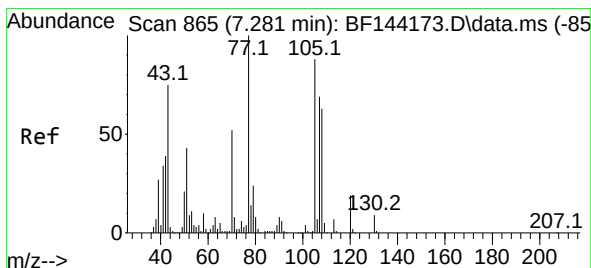
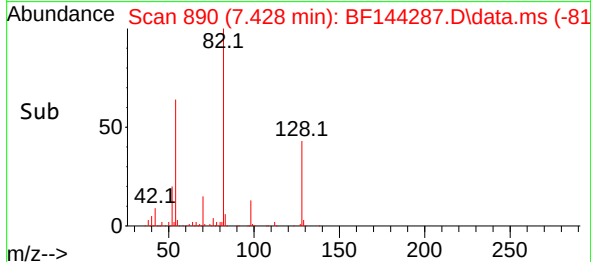
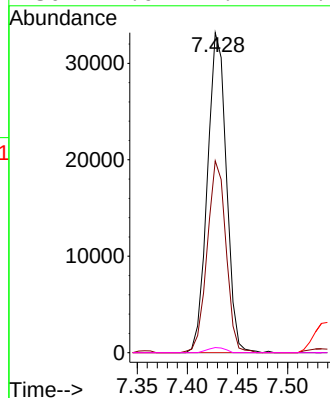
Ion Ratio Lower Upper

70 100

42 59.9 58.3 87.5

101 0.0 7.0 10.6#

130 1.6 14.4 21.6#



#20

3+4-Methylphenols

Concen: 165.442 ng

RT: 7.034 min Scan# 823

Delta R.T. -0.253 min

Lab File: BF144287.D

Acq: 19 Nov 2025 19:47

Tgt Ion: 107 Resp: 501263

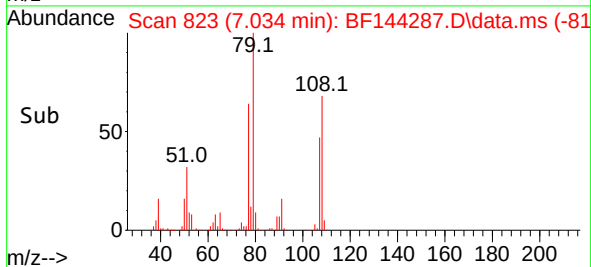
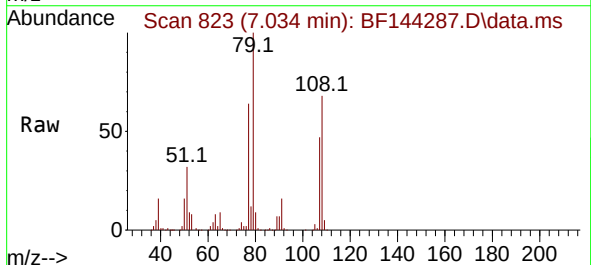
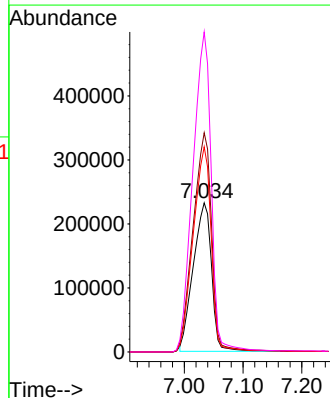
Ion Ratio Lower Upper

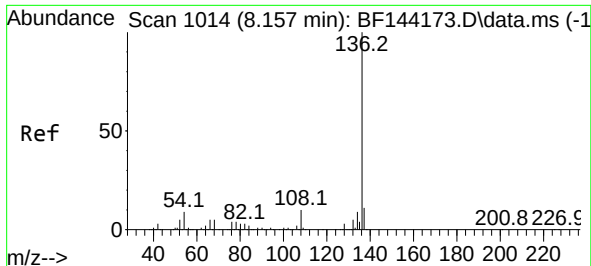
107 100

108 147.0 70.2 110.2#

77 137.5 123.9 163.9

79 214.6 14.2 54.2#

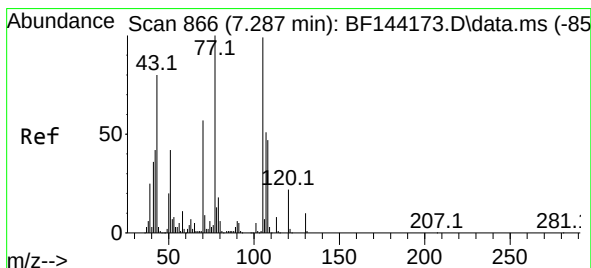
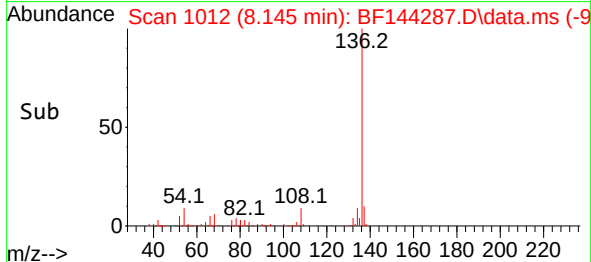
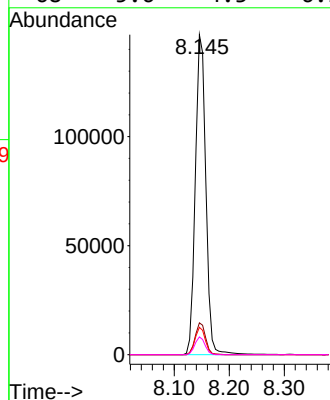
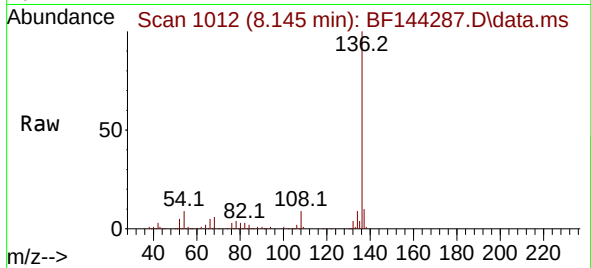




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144287.D
Acq: 19 Nov 2025 19:47

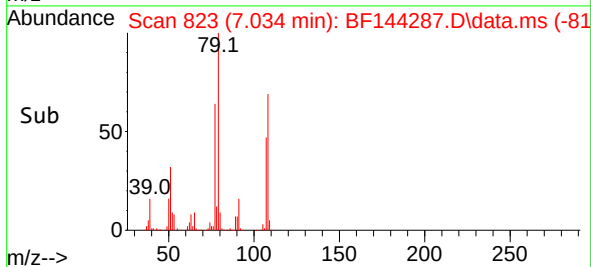
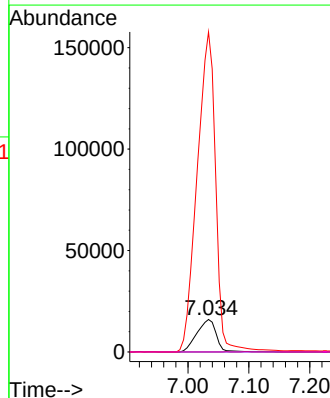
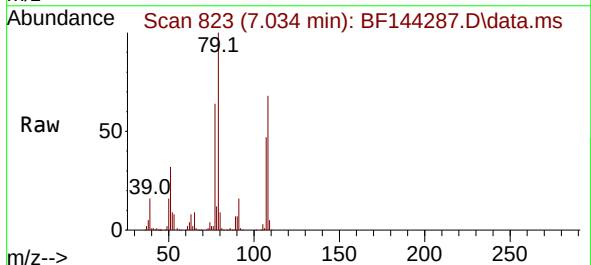
Instrument :
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TANK-1-COMP-1

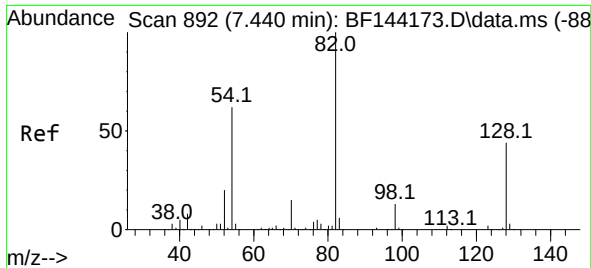
Tgt Ion:136 Resp: 194233
Ion Ratio Lower Upper
136 100
137 10.0 8.6 13.0
54 8.5 7.0 10.6
68 5.6 4.3 6.5



#22
Acetophenone
Concen: 8.576 ng
RT: 7.034 min Scan# 823
Delta R.T. -0.247 min
Lab File: BF144287.D
Acq: 19 Nov 2025 19:47

Tgt Ion:105 Resp: 35735
Ion Ratio Lower Upper
105 100
71 0.0 7.2 10.8#
51 985.4 34.0 51.0#
120 0.0 17.8 26.6#





#23

Nitrobenzene-d5

Concen: 88.377 ng

RT: 7.428 min Scan# 890

Delta R.T. -0.006 min

Lab File: BF144287.D

Acq: 19 Nov 2025 19:47

Instrument :

BNA_F

ClientSampleId :

TANK-1-COMP-1

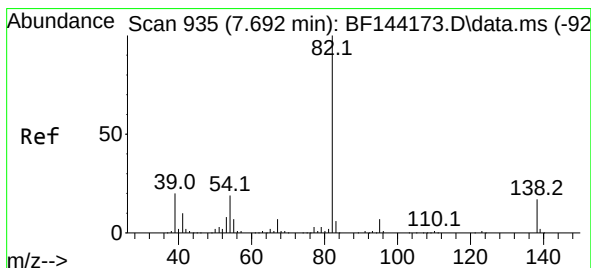
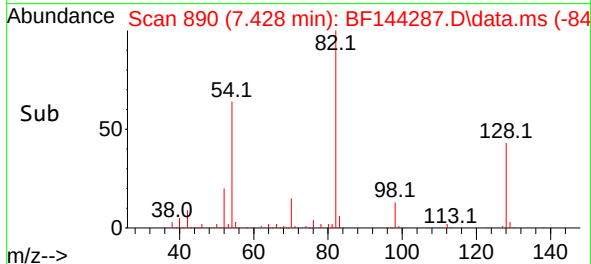
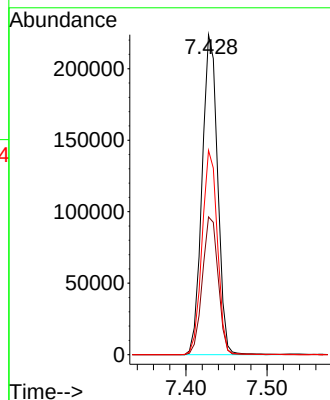
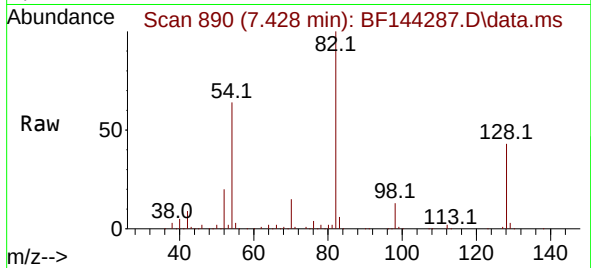
Tgt Ion: 82 Resp: 297217

Ion Ratio Lower Upper

82 100

128 43.1 34.7 52.1

54 63.9 49.5 74.3



#25

Isophorone

Concen: 46.723 ng

RT: 7.428 min Scan# 890

Delta R.T. -0.259 min

Lab File: BF144287.D

Acq: 19 Nov 2025 19:47

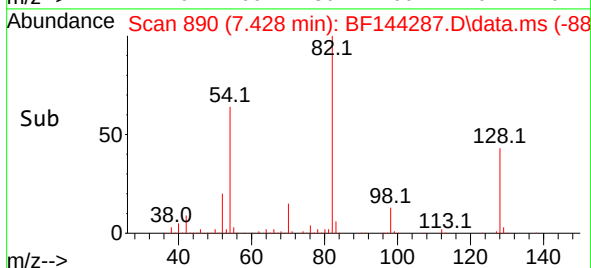
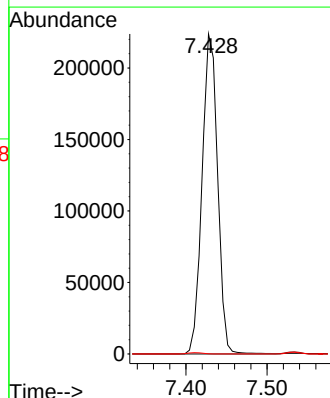
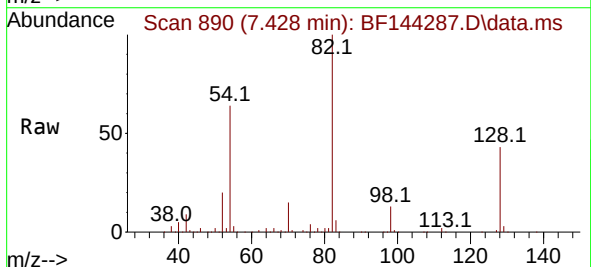
Tgt Ion: 82 Resp: 297217

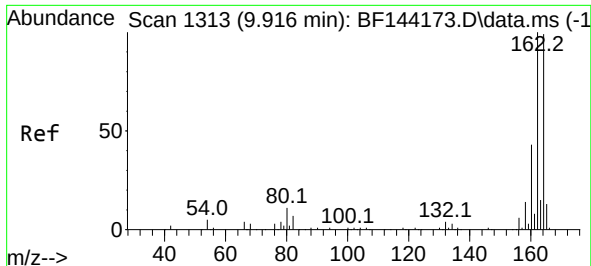
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.1 13.7 20.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1311

Delta R.T. -0.012 min

Lab File: BF144287.D

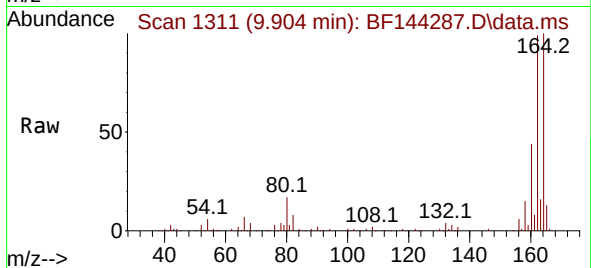
Acq: 19 Nov 2025 19:47

Instrument :

BNA_F

ClientSampleId :

TANK-1-COMP-1



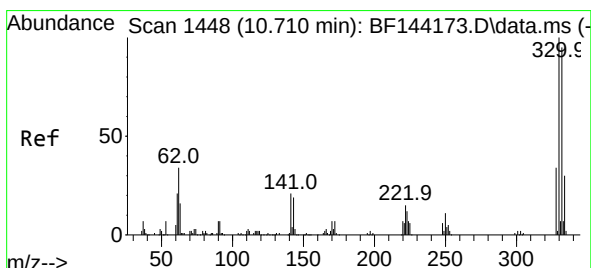
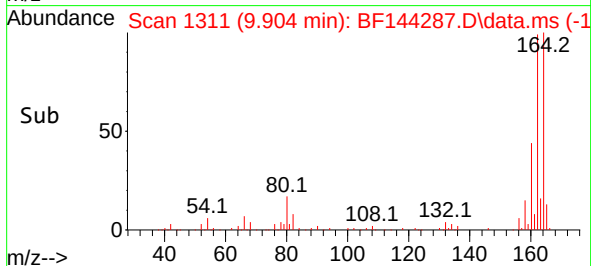
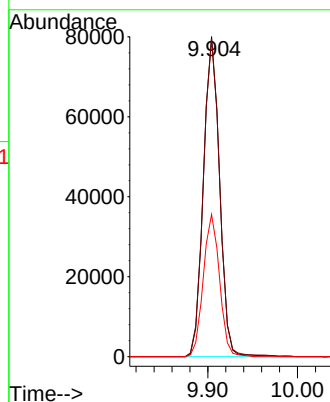
Tgt Ion:164 Resp: 99697

Ion Ratio Lower Upper

164 100

162 99.4 81.1 121.7

160 44.4 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 119.533 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.006 min

Lab File: BF144287.D

Acq: 19 Nov 2025 19:47

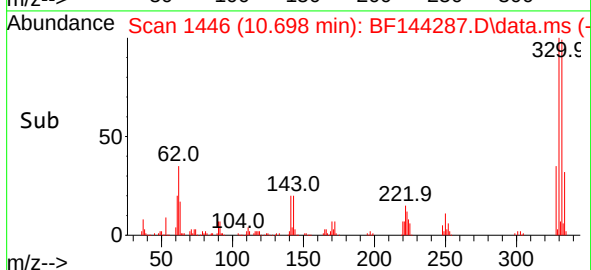
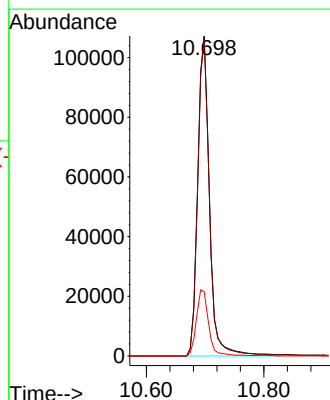
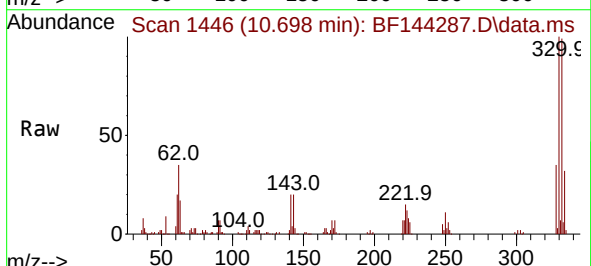
Tgt Ion:330 Resp: 149546

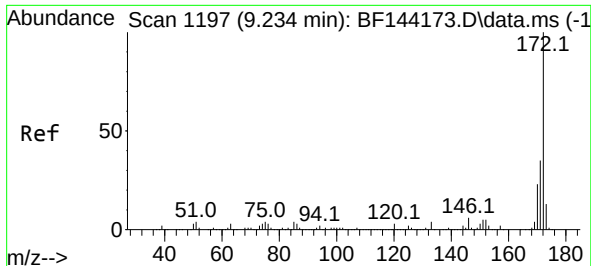
Ion Ratio Lower Upper

330 100

332 99.0 76.7 115.1

141 21.3 17.8 26.8

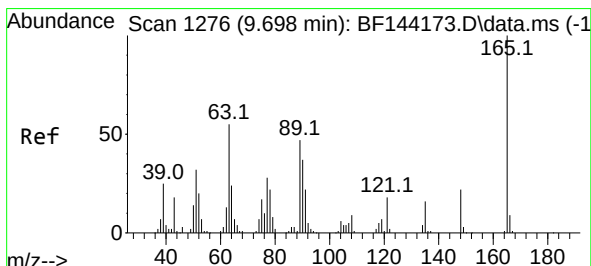
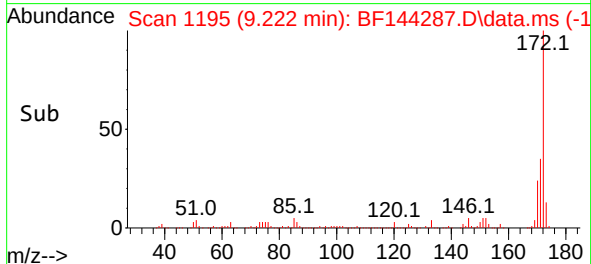
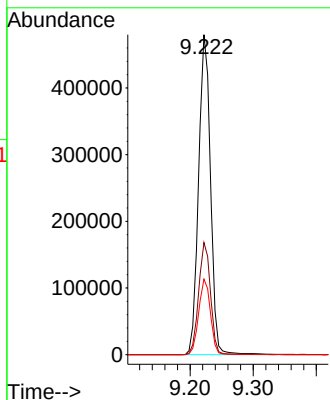
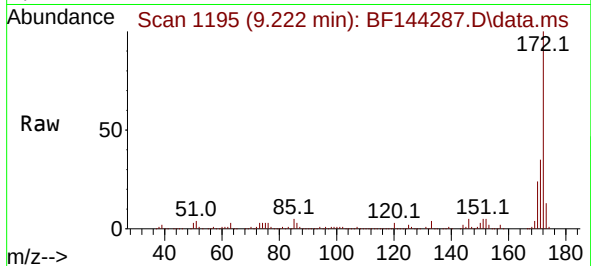




#45
 2-Fluorobiphenyl
 Concen: 93.137 ng
 RT: 9.222 min Scan# 1195
 Delta R.T. -0.006 min
 Lab File: BF144287.D
 Acq: 19 Nov 2025 19:47

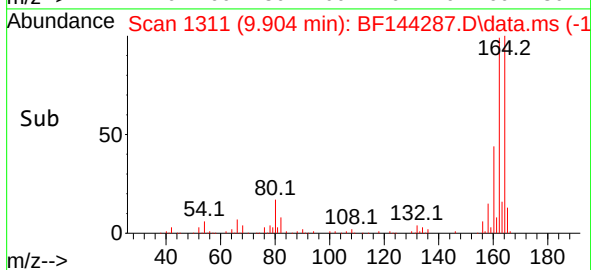
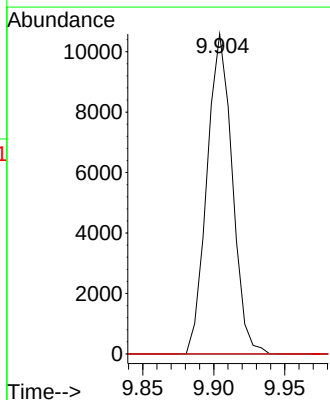
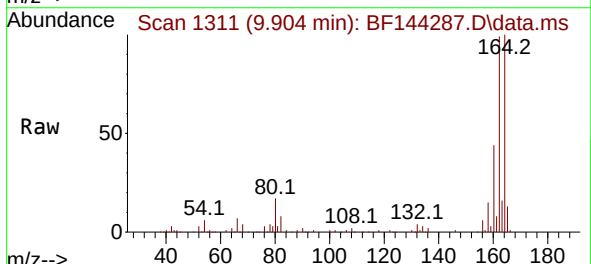
Instrument :
 BNA_F
 ClientSampleId :
 TANK-1-COMP-1

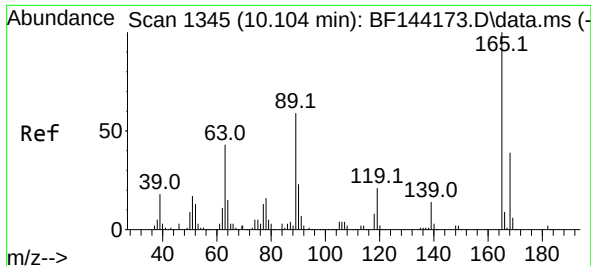
Tgt Ion:172 Resp: 628703
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.1 42.1
 170 23.6 18.6 28.0



#51
 2,6-Dinitrotoluene
 Concen: 9.798 ng
 RT: 9.904 min Scan# 1311
 Delta R.T. 0.212 min
 Lab File: BF144287.D
 Acq: 19 Nov 2025 19:47

Tgt Ion:165 Resp: 13100
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.8 65.8#
 89 0.0 37.5 56.3#

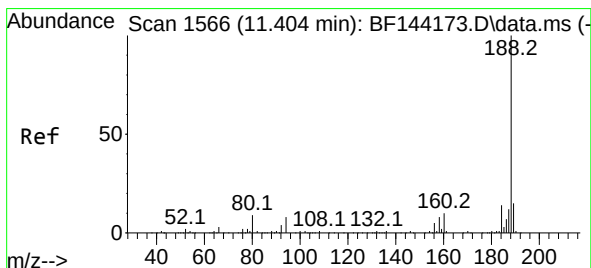
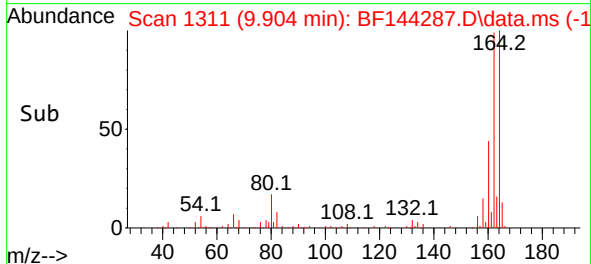
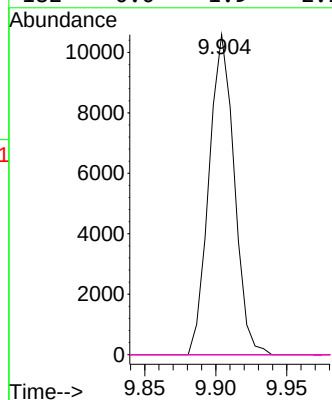
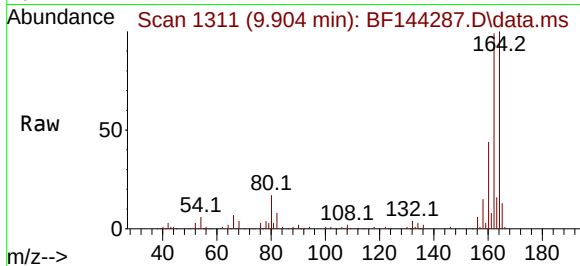




#57
2,4-Dinitrotoluene
Concen: 7.319 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF144287.D
Acq: 19 Nov 2025 19:47

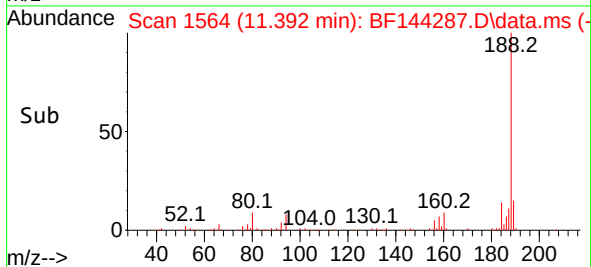
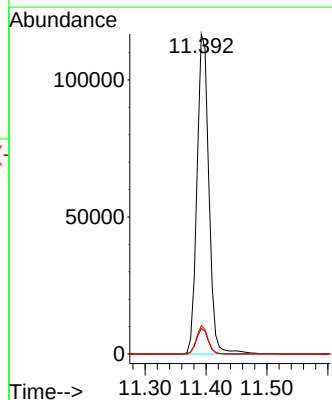
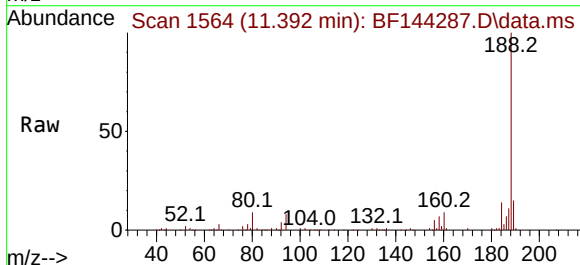
Instrument :
BNA_F
ClientSampleId :
TANK-1-COMP-1

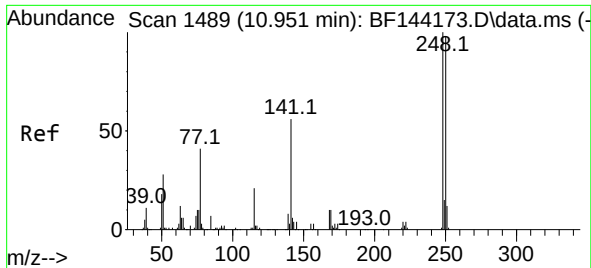
Tgt Ion:165 Resp: 13100
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144287.D
Acq: 19 Nov 2025 19:47

Tgt Ion:188 Resp: 157810
Ion Ratio Lower Upper
188 100
94 8.0 6.2 9.2
80 8.9 6.9 10.3

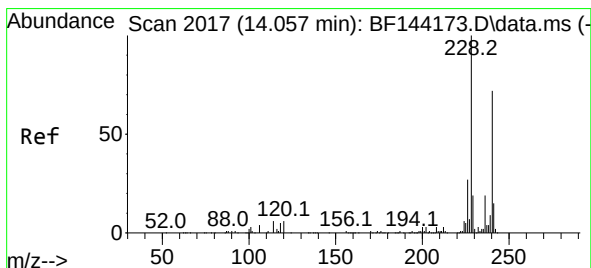
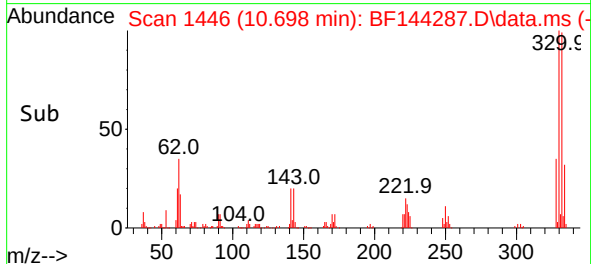
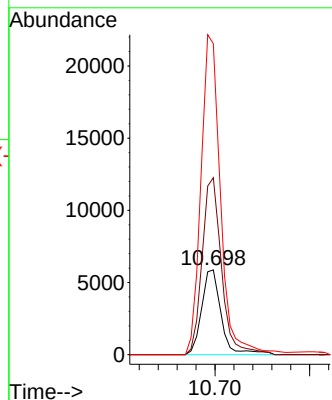
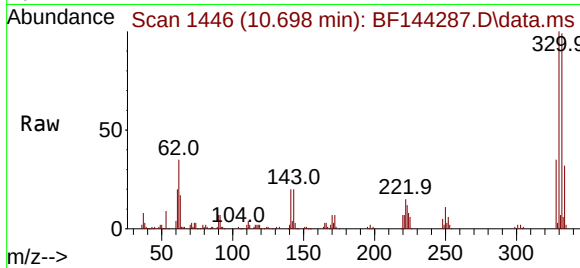




#67
4-Bromophenyl-phenylether
Concen: 4.177 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.247 min
Lab File: BF144287.D
Acq: 19 Nov 2025 19:47

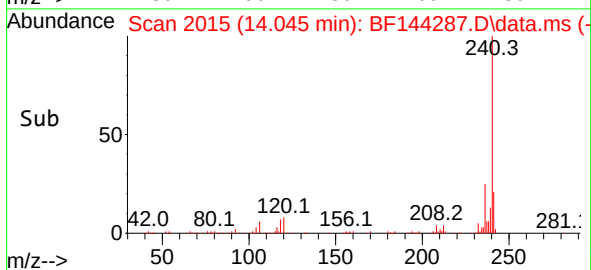
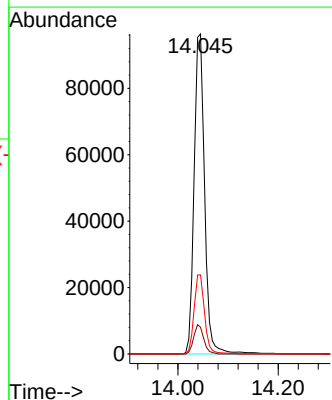
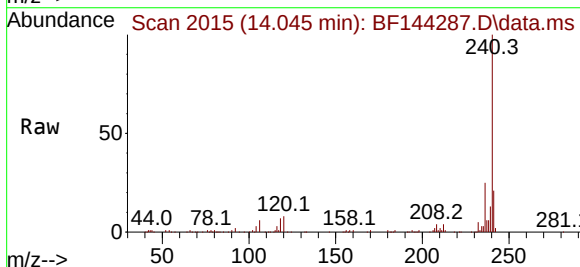
Instrument :
BNA_F
ClientSampleId :
TANK-1-COMP-1

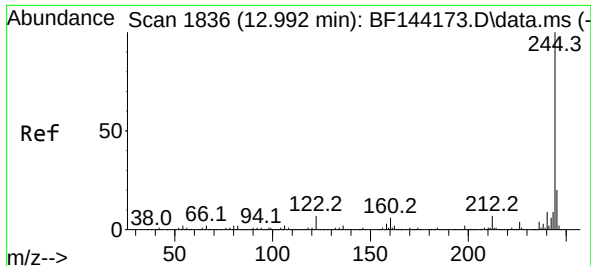
Tgt Ion:248 Resp: 8413
Ion Ratio Lower Upper
248 100
250 208.8 78.4 117.6#
141 367.2 45.1 67.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144287.D
Acq: 19 Nov 2025 19:47

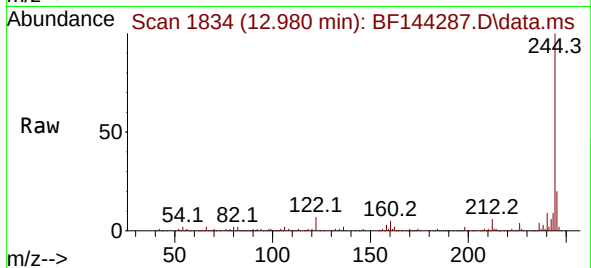
Tgt Ion:240 Resp: 140217
Ion Ratio Lower Upper
240 100
120 8.4 6.6 10.0
236 24.7 21.4 32.2



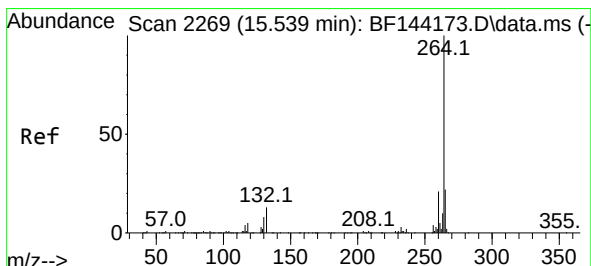
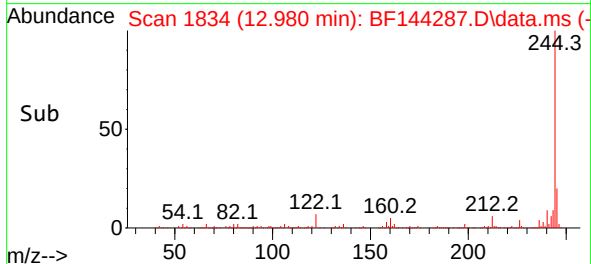
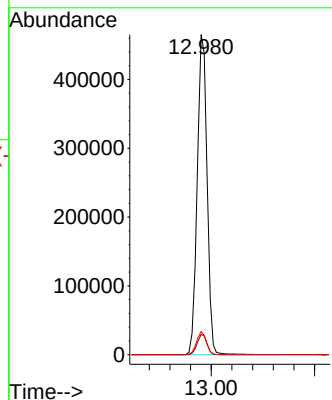


#79
 Terphenyl-d14
 Concen: 69.492 ng
 RT: 12.980 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: BF144287.D
 Acq: 19 Nov 2025 19:47

Instrument :
 BNA_F
 ClientSampleId :
 TANK-1-COMP-1



Tgt Ion:244 Resp: 613446
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 7.2 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.521 min Scan# 2266
 Delta R.T. -0.018 min
 Lab File: BF144287.D
 Acq: 19 Nov 2025 19:47

Tgt Ion:264 Resp: 159921
 Ion Ratio Lower Upper
 264 100
 260 22.8 17.1 25.7
 265 22.2 17.4 26.0

