

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143194.D
 Acq On : 22 Jul 2025 17:54
 Operator : RC/JU
 Sample : Q2649-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Jul 22 18:23:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

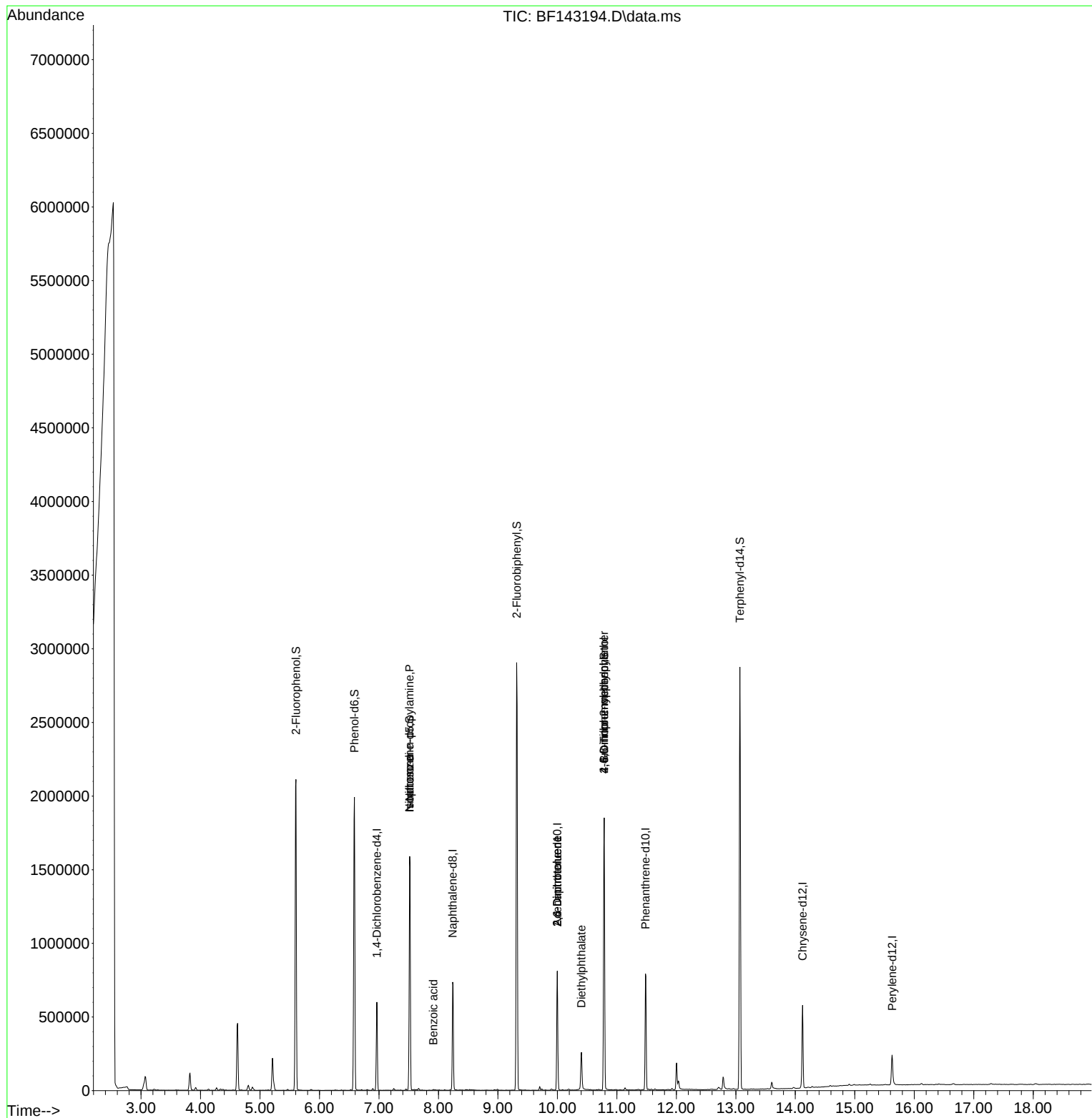
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	119005	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	448713	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	222259	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	405793	20.000	ng	0.00
76) Chrysene-d12	14.121	240	257635	20.000	ng	0.00
86) Perylene-d12	15.627	264	84237	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	796382	105.899	ng	0.02
7) Phenol-d6	6.587	99	930298	98.282	ng	0.00
23) Nitrobenzene-d5	7.516	82	699095	77.662	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	331457	144.359	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1286670	79.172	ng	0.00
79) Terphenyl-d14	13.068	244	1374783	79.408	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	94519	15.564	ng	# 81
25) Isophorone	7.516	82	696910	43.855	ng	# 66
32) Benzoic acid	7.916	122	1938	5.591	ng	96
51) 2,6-Dinitrotoluene	9.998	165	28685	9.733	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	28685	7.758	ng	# 21
60) Diethylphthalate	10.404	149	176528	12.328	ng	100
65) 4,6-Dinitro-2-methylph...	10.786	198	592	5.659	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	19679	4.069	ng	# 1

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

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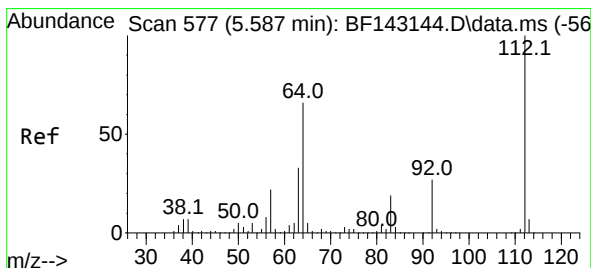
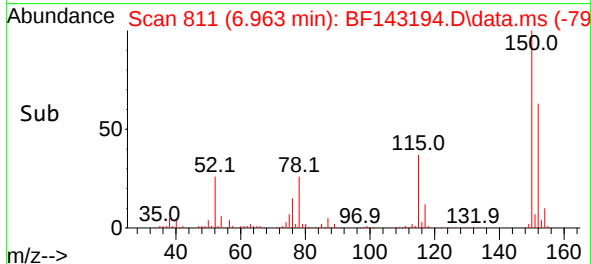
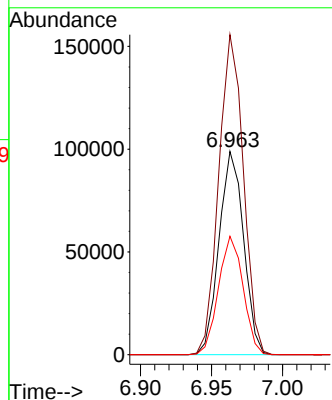
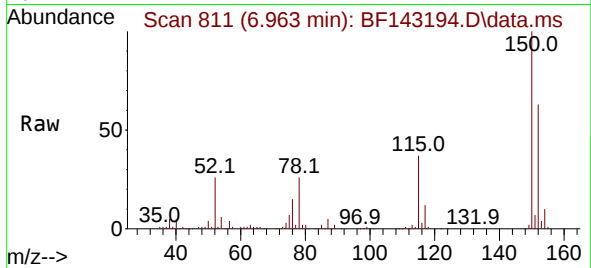




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143194.D
Acq: 22 Jul 2025 17:54

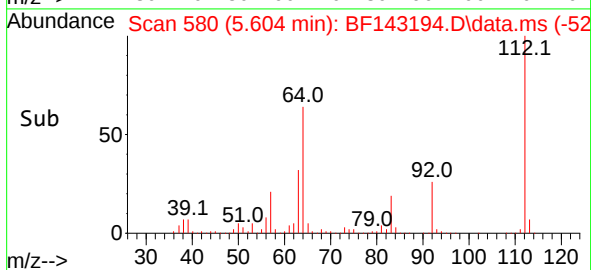
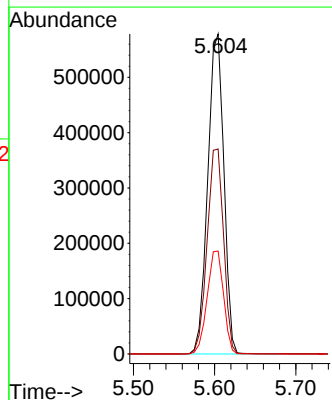
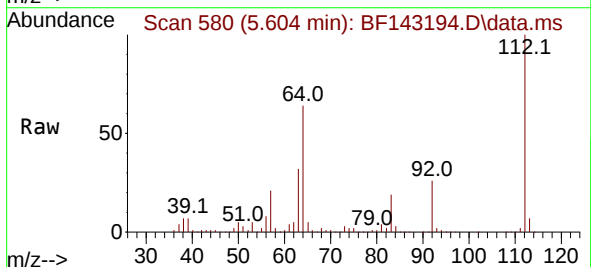
Instrument :
BNA_F
ClientSampleId :
WC-3

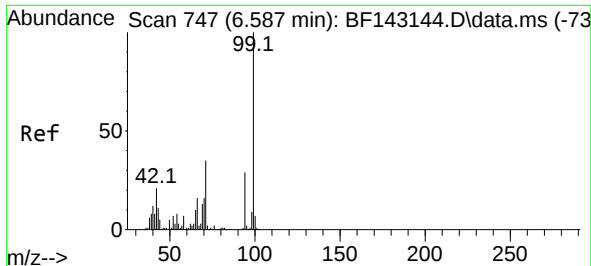
Tgt Ion:152 Resp: 119005
Ion Ratio Lower Upper
152 100
150 157.5 128.2 192.4
115 58.3 47.9 71.9



#5
2-Fluorophenol
Concen: 105.899 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143194.D
Acq: 22 Jul 2025 17:54

Tgt Ion:112 Resp: 796382
Ion Ratio Lower Upper
112 100
64 64.1 53.1 79.7
63 32.2 26.6 40.0

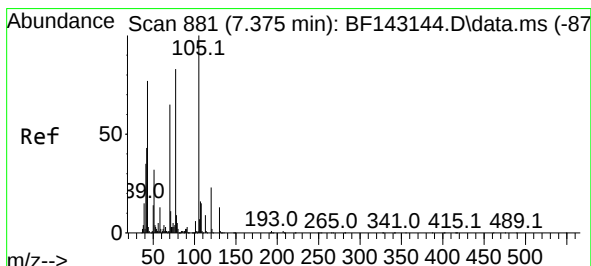
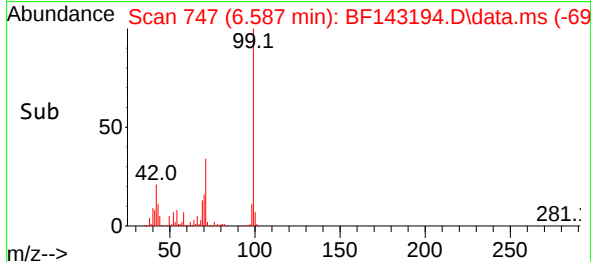
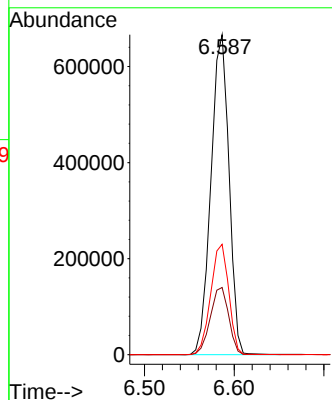
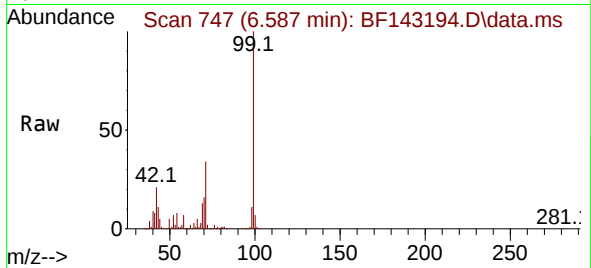




#7
Phenol-d6
Concen: 98.282 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143194.D
Acq: 22 Jul 2025 17:54

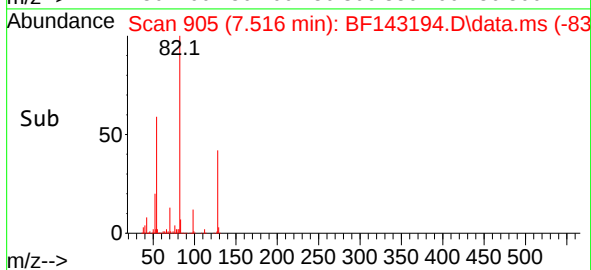
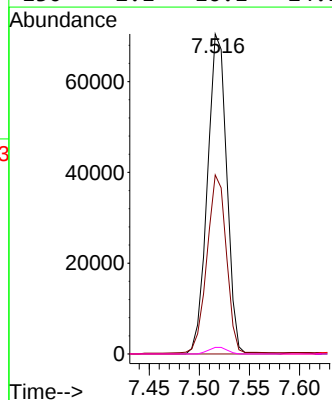
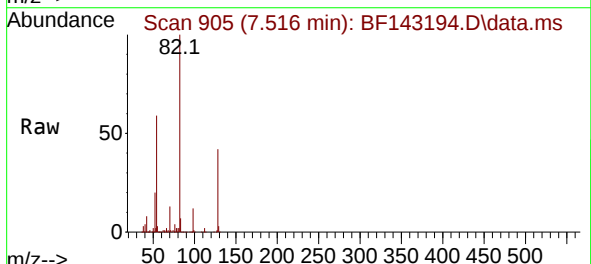
Instrument :
BNA_F
ClientSampleId :
WC-3

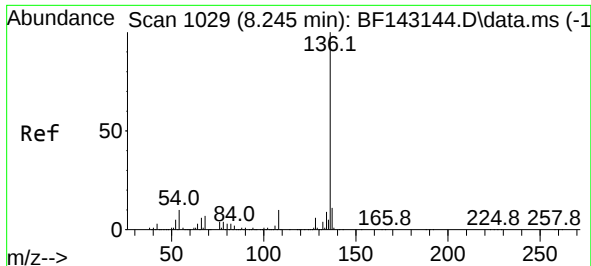
Tgt Ion:	99	Resp:	930298
Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.0	25.6
71	34.5	27.7	41.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.564 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143194.D
Acq: 22 Jul 2025 17:54

Tgt Ion:	70	Resp:	94519
Ion	Ratio	Lower	Upper
70	100		
42	56.0	52.5	78.7
101	0.0	7.6	11.4#
130	2.1	16.1	24.1#



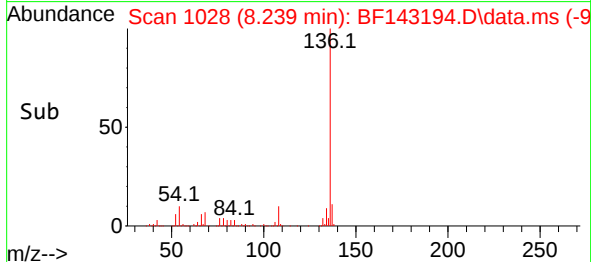
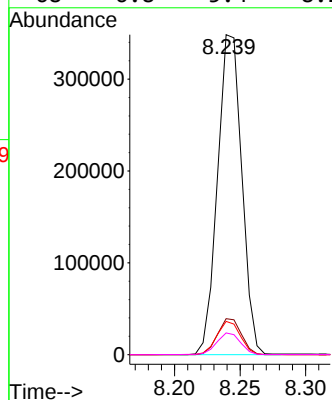
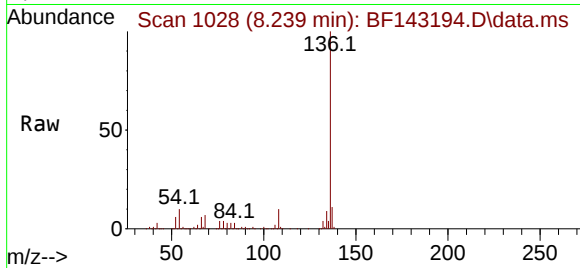


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143194.D
Acq: 22 Jul 2025 17:54

Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:136 Resp: 448713

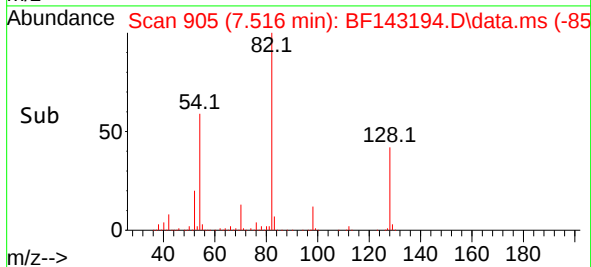
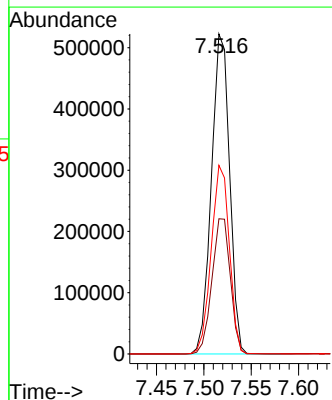
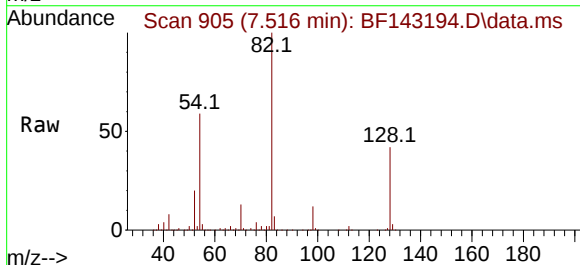
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	10.4	8.2	12.2
68	6.8	5.4	8.2



#23
Nitrobenzene-d5
Concen: 77.662 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143194.D
Acq: 22 Jul 2025 17:54

Tgt Ion: 82 Resp: 699095

Ion	Ratio	Lower	Upper
82	100		
128	42.3	33.6	50.4
54	59.0	47.1	70.7

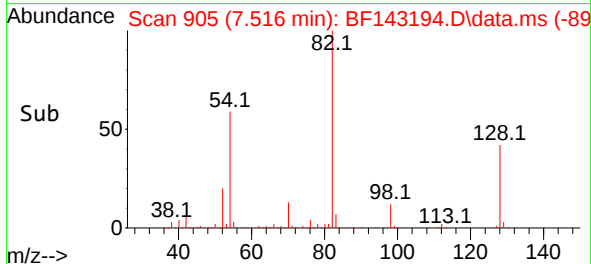
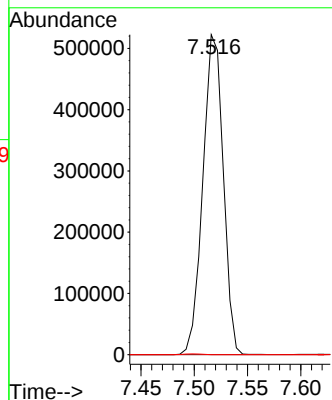
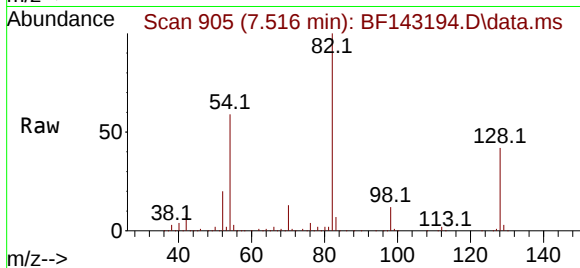




#25
Isophorone
Concen: 43.855 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143194.D
Acq: 22 Jul 2025 17:54

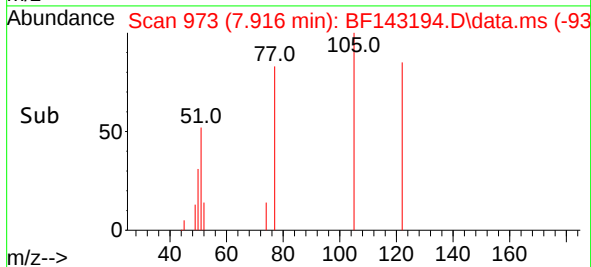
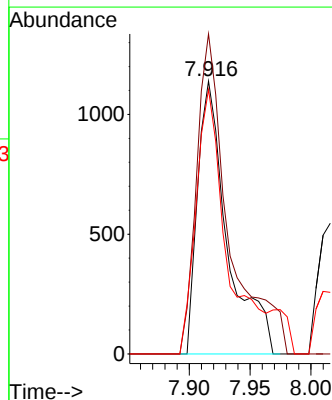
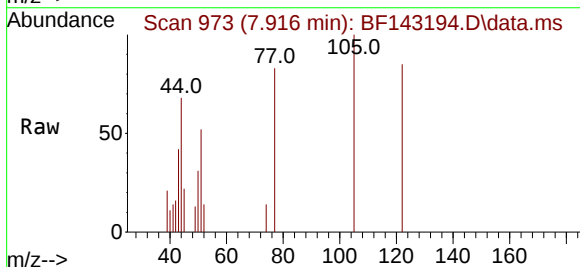
Instrument :
BNA_F
ClientSampleId :
WC-3

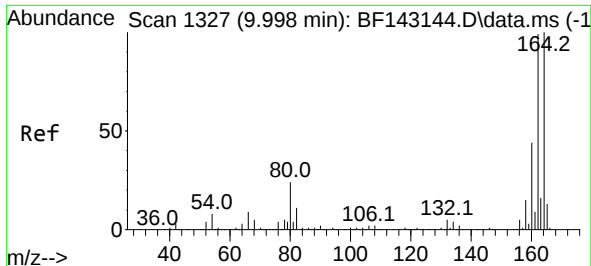
Tgt Ion: 82 Resp: 696910
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.591 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.076 min
Lab File: BF143194.D
Acq: 22 Jul 2025 17:54

Tgt Ion:122 Resp: 1938
Ion Ratio Lower Upper
122 100
105 117.3 104.8 144.8
77 96.9 77.6 117.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143194.D

Acq: 22 Jul 2025 17:54

Instrument :

BNA_F

ClientSampleId :

WC-3

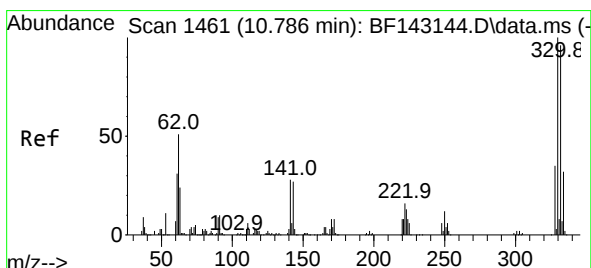
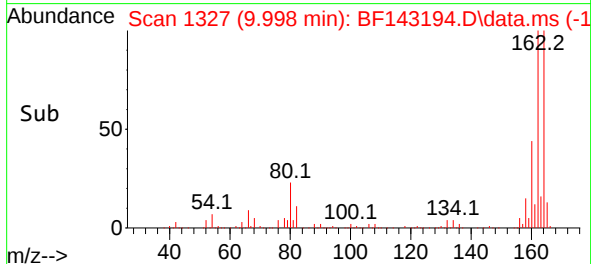
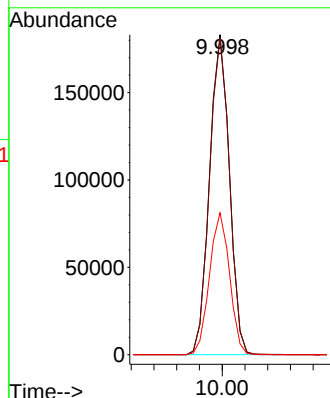
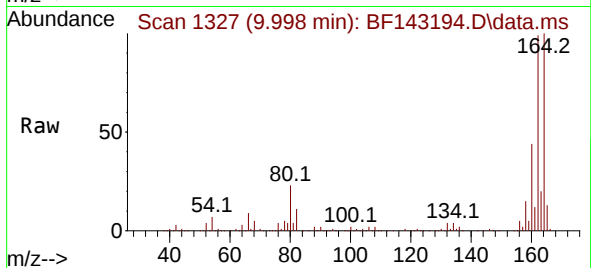
Tgt Ion:164 Resp: 222259

Ion Ratio Lower Upper

164 100

162 99.1 79.0 118.6

160 44.3 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 144.359 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.000 min

Lab File: BF143194.D

Acq: 22 Jul 2025 17:54

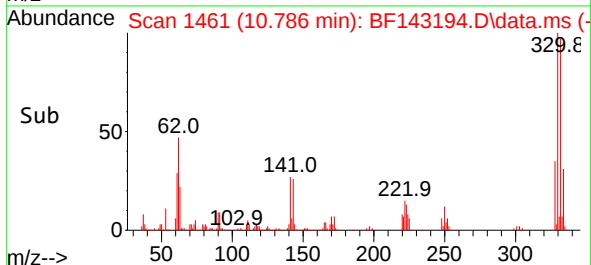
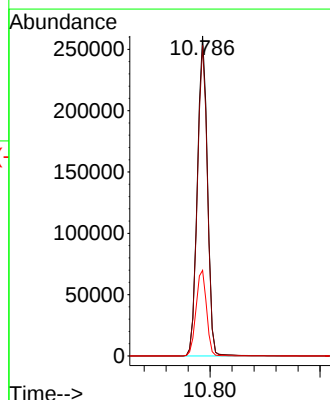
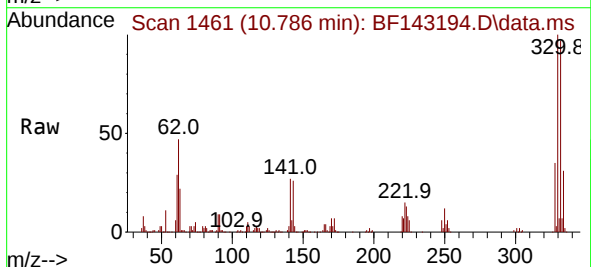
Tgt Ion:330 Resp: 331457

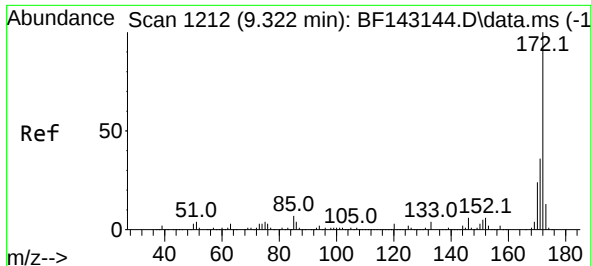
Ion Ratio Lower Upper

330 100

332 97.0 76.7 115.1

141 27.8 23.3 34.9

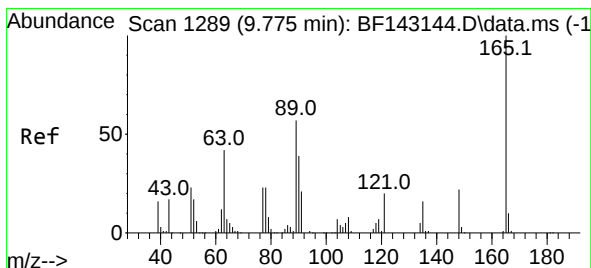
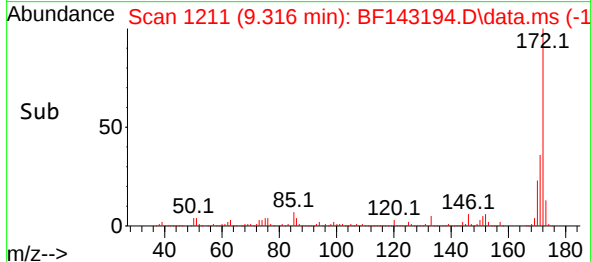
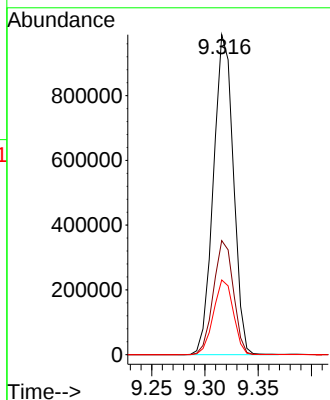
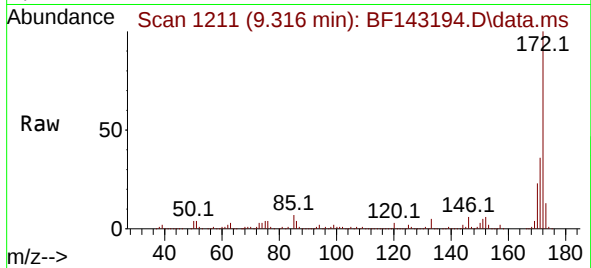




#45
2-Fluorobiphenyl
Concen: 79.172 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143194.D
Acq: 22 Jul 2025 17:54

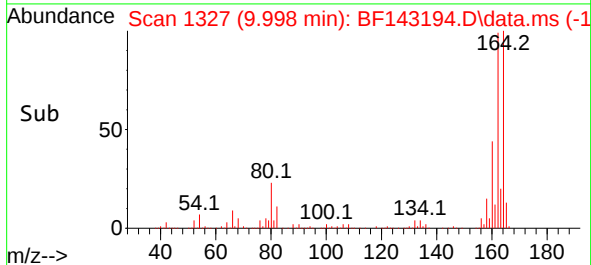
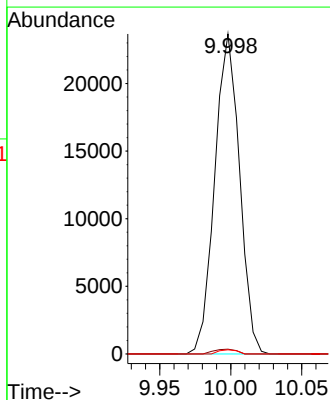
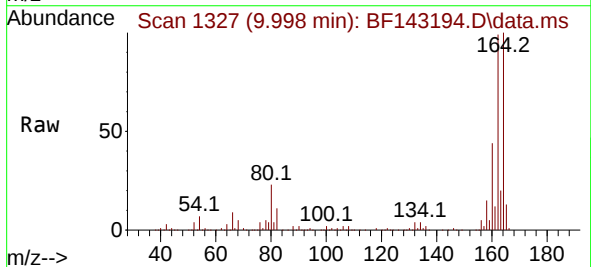
Instrument :
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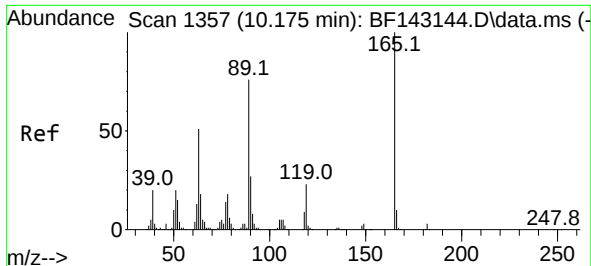
Tgt Ion:172 Resp: 1286670
Ion Ratio Lower Upper
172 100
171 35.7 28.6 42.8
170 23.4 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.733 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.223 min
Lab File: BF143194.D
Acq: 22 Jul 2025 17:54

Tgt Ion:165 Resp: 28685
Ion Ratio Lower Upper
165 100
63 1.5 49.4 74.2#
89 1.3 46.2 69.2#

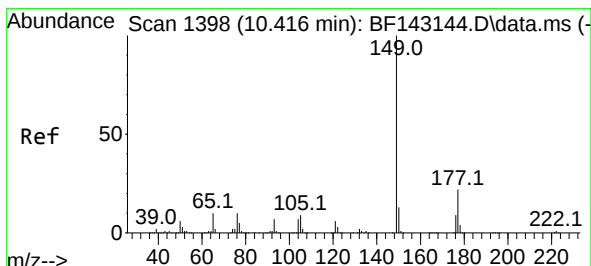
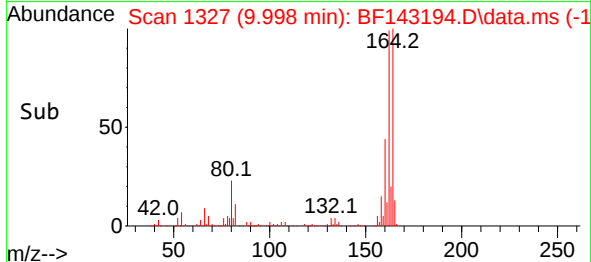
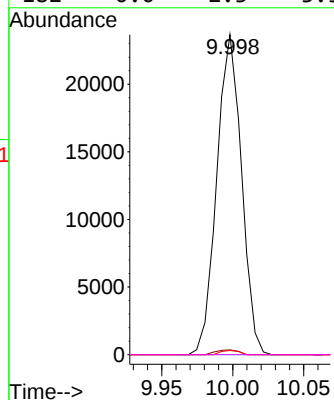
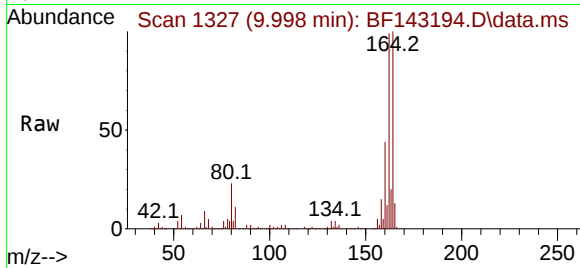




#57
2,4-Dinitrotoluene
Concen: 7.758 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143194.D
Acq: 22 Jul 2025 17:54

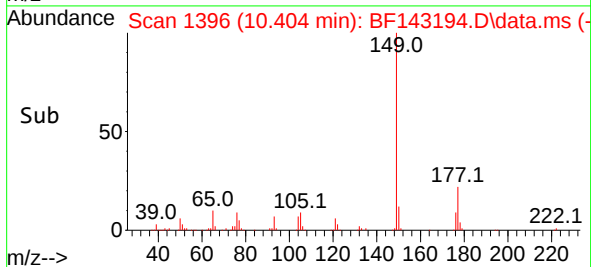
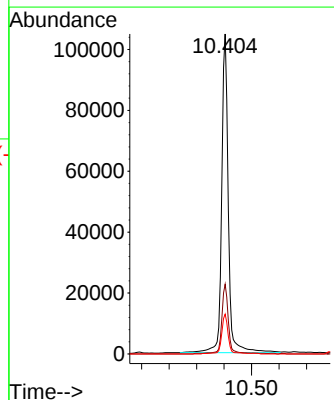
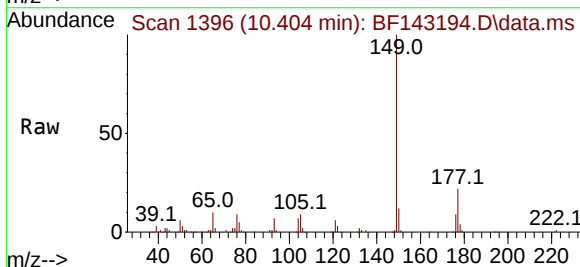
Instrument :
BNA_F
ClientSampleId :
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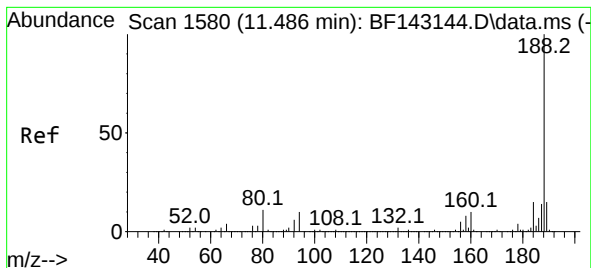
Tgt Ion:165 Resp: 28685
Ion Ratio Lower Upper
165 100
63 1.5 41.0 61.4#
89 1.3 61.1 91.7#
182 0.0 2.3 3.5#



#60
Diethylphthalate
Concen: 12.328 ng
RT: 10.404 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BF143194.D
Acq: 22 Jul 2025 17:54

Tgt Ion:149 Resp: 176528
Ion Ratio Lower Upper
149 100
177 21.8 17.5 26.3
150 12.4 10.2 15.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143194.D

Acq: 22 Jul 2025 17:54

Instrument :

BNA_F

ClientSampleId :

WC-3

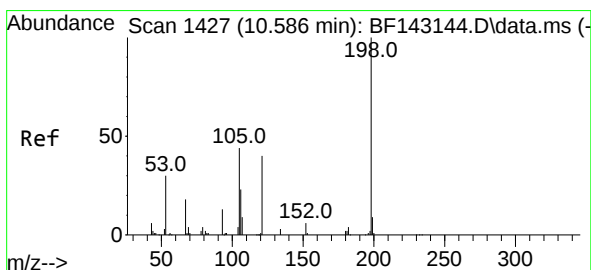
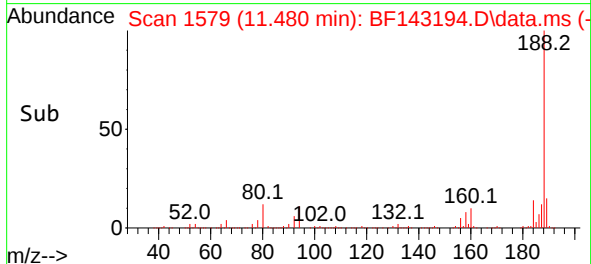
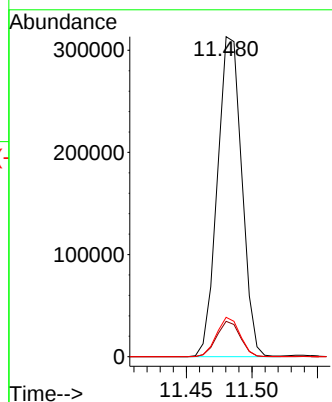
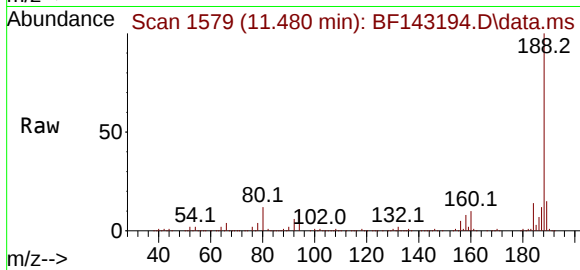
Tgt Ion:188 Resp: 405793

Ion Ratio Lower Upper

188 100

94 11.1 8.3 12.5

80 12.3 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.659 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143194.D

Acq: 22 Jul 2025 17:54

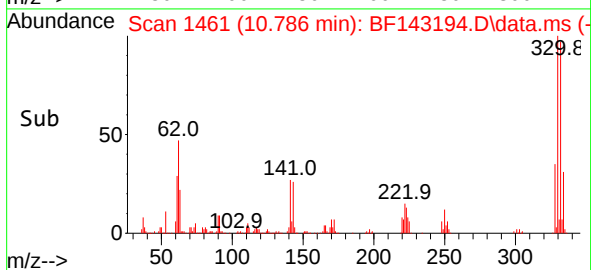
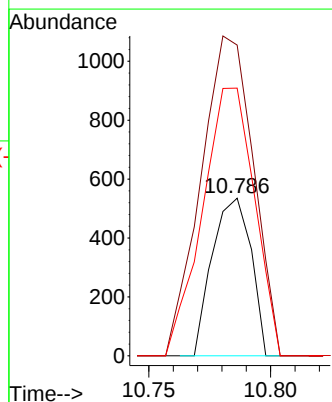
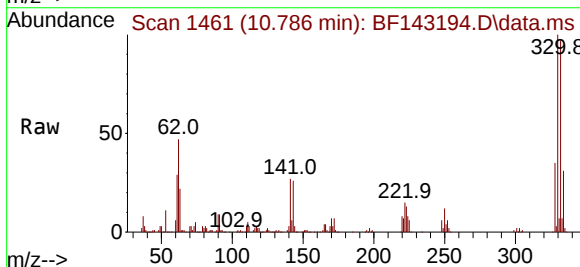
Tgt Ion:198 Resp: 592

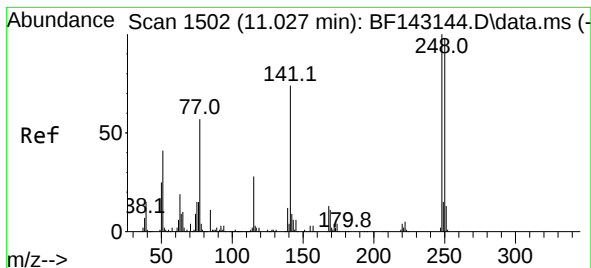
Ion Ratio Lower Upper

198 100

51 197.2 37.2 77.2#

105 169.9 24.8 64.8#

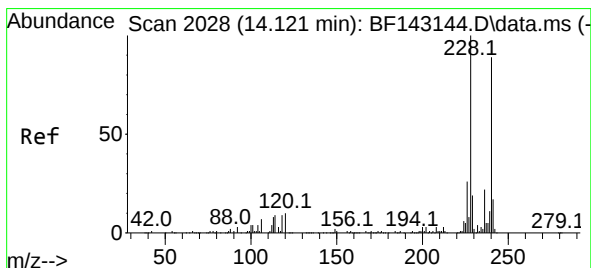
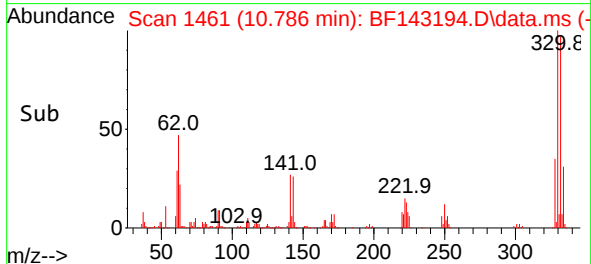
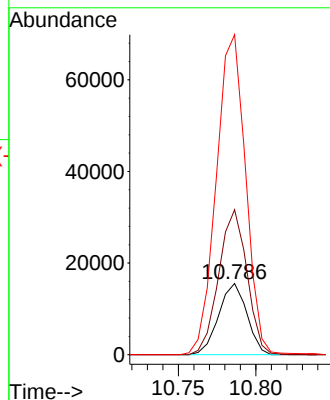
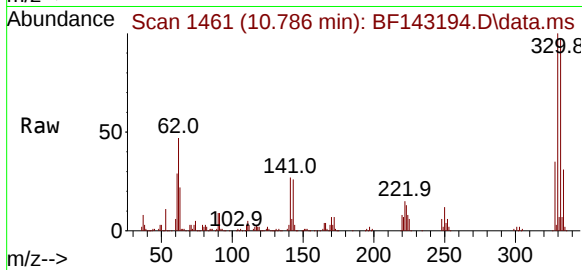




#67
4-Bromophenyl-phenylether
Concen: 4.069 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143194.D
Acq: 22 Jul 2025 17:54

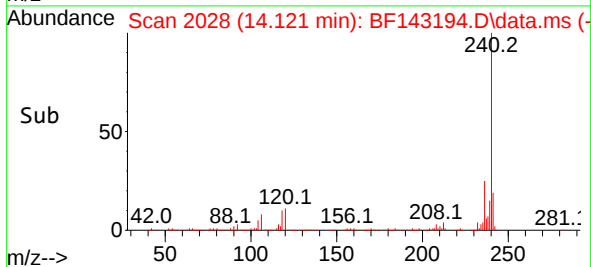
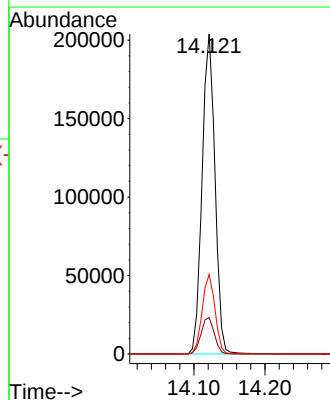
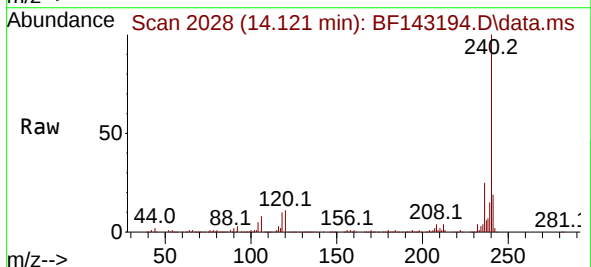
Instrument :
BNA_F
ClientSampleId :
WC-3

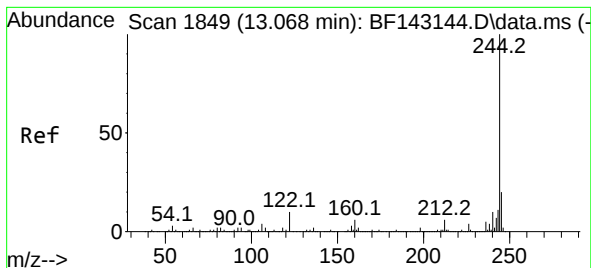
Tgt Ion:248 Resp: 19679
Ion Ratio Lower Upper
248 100
250 203.6 78.3 117.5#
141 449.5 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143194.D
Acq: 22 Jul 2025 17:54

Tgt Ion:240 Resp: 257635
Ion Ratio Lower Upper
240 100
120 11.4 9.4 14.2
236 24.8 20.2 30.4





#79

Terphenyl-d14

Concen: 79.408 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143194.D

Acq: 22 Jul 2025 17:54

Instrument :

BNA_F

ClientSampleId :

WC-3

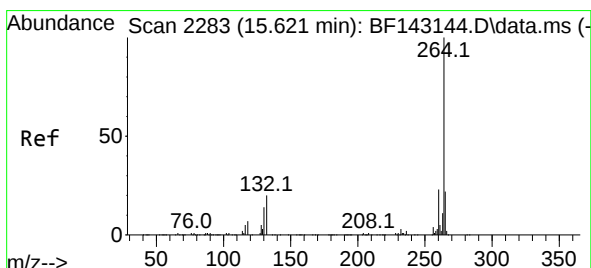
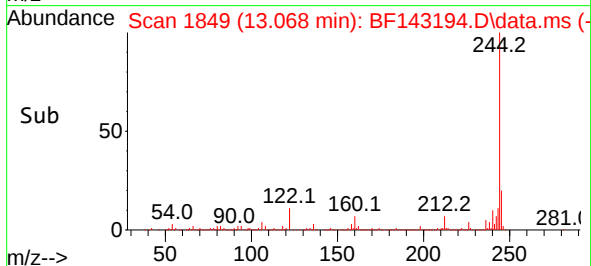
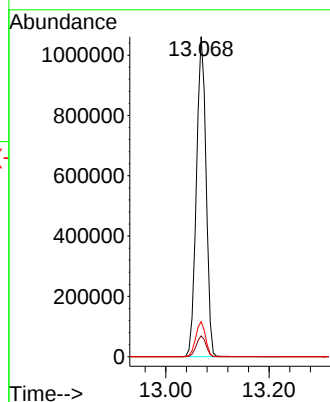
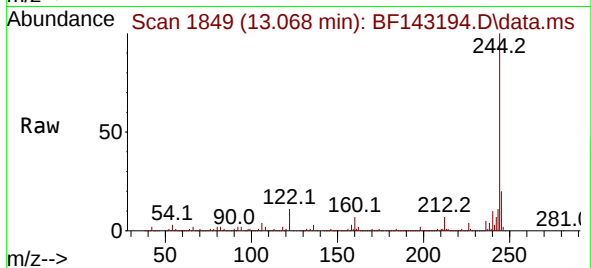
Tgt Ion:244 Resp: 1374783

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.0 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 2284

Delta R.T. 0.006 min

Lab File: BF143194.D

Acq: 22 Jul 2025 17:54

Tgt Ion:264 Resp: 84237

Ion Ratio Lower Upper

264 100

260 30.0 18.5 27.7#

265 20.4 17.4 26.2

