

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
 Data File : BF143315.D
 Acq On : 05 Aug 2025 14:57
 Operator : RC/JU
 Sample : Q2759-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOLID-DRUMS

Quant Time: Aug 05 19:10:46 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)

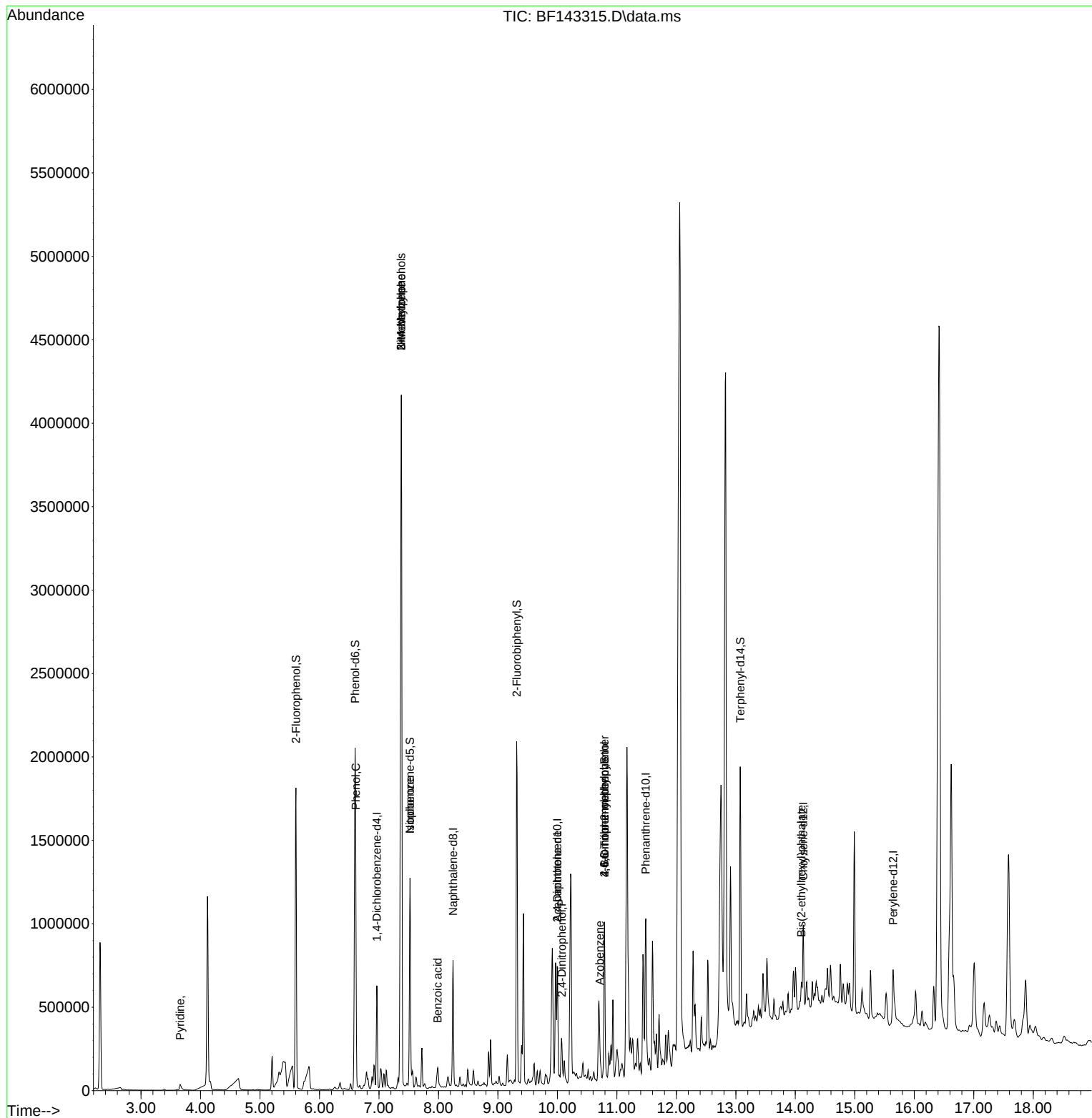
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	124277	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	446564	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	191024	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	267201	20.000	ng	0.00
76) Chrysene-d12	14.133	240	236993	20.000	ng	0.01
86) Perylene-d12	15.645	264	173103	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	684008	87.097	ng	0.02
7) Phenol-d6	6.598	99	865350	87.542	ng	0.01
23) Nitrobenzene-d5	7.522	82	539277	60.196	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	157136	79.628	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	900025	64.437	ng	0.00
79) Terphenyl-d14	13.074	244	746483	46.873	ng	0.00
Target Compounds						Qvalue
3) Pyridine	3.657	79	25399	2.633	ng	96
10) Phenol	6.610	94	356285	33.085	ng	97
17) 2-Methylphenol	7.375	107	1892911	273.479	ng	# 70
20) 3+4-Methylphenols	7.375	107	1892911	225.407	ng	# 73
24) Nitrobenzene	7.375	77	576801	69.059	ng	# 44
25) Isophorone	7.522	82	537493	33.986	ng	# 66
32) Benzoic acid	7.986	122	1563	5.513	ng	# 75
54) 2,4-Dinitrophenol	10.075	184	768	7.277	ng	# 1
57) 2,4-Dinitrotoluene	9.998	165	24124	7.591	ng	# 24
63) Azobenzene	10.710	77	54497	4.249	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.792	198	247	5.569	ng	# 1
67) 4-Bromophenyl-phenylether	10.792	248	10035	3.151	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.104	149	57761	6.162	ng	97

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

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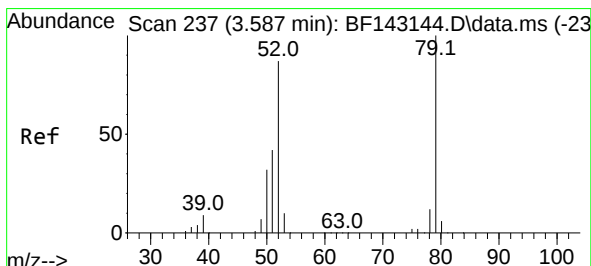
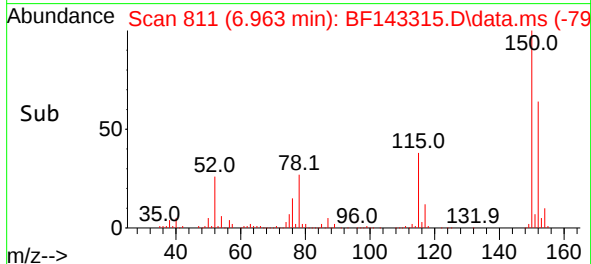
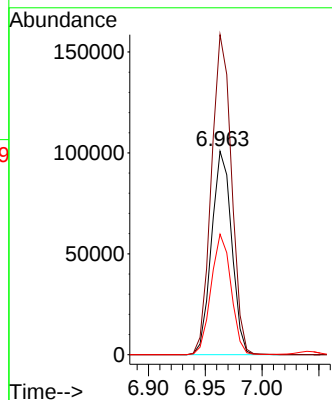
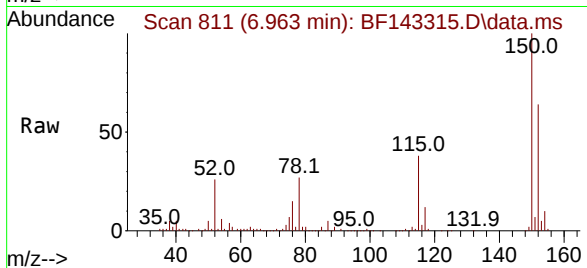




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

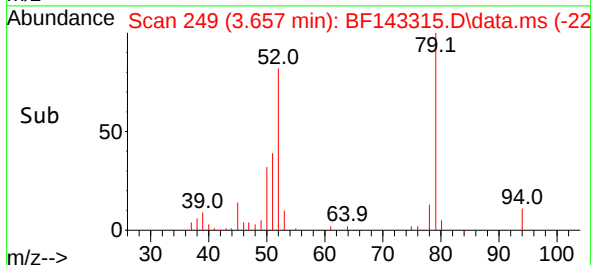
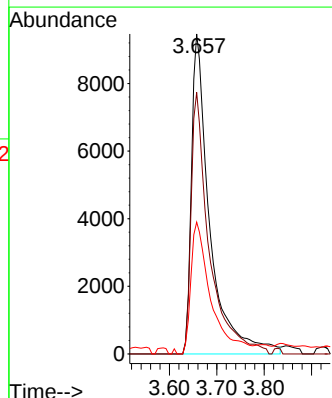
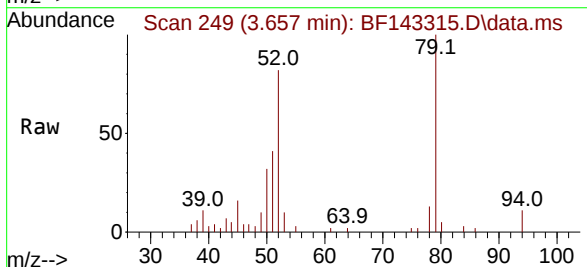
Instrument :
BNA_F
ClientSampleId :
SOLID-DRUMS

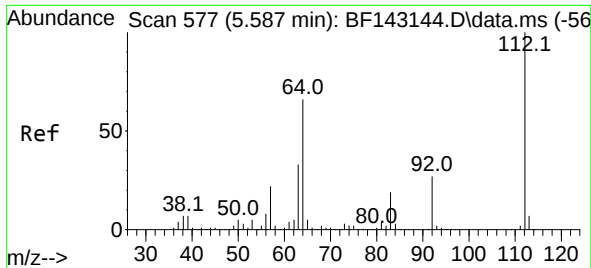
Tgt Ion:152 Resp: 124277
Ion Ratio Lower Upper
152 100
150 157.3 128.2 192.4
115 59.2 47.9 71.9



#3
Pyridine
Concen: 2.633 ng
RT: 3.657 min Scan# 249
Delta R.T. 0.071 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

Tgt Ion: 79 Resp: 25399
Ion Ratio Lower Upper
79 100
52 81.7 69.4 104.2
51 41.2 33.5 50.3

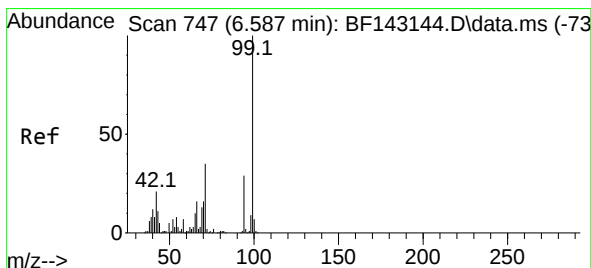
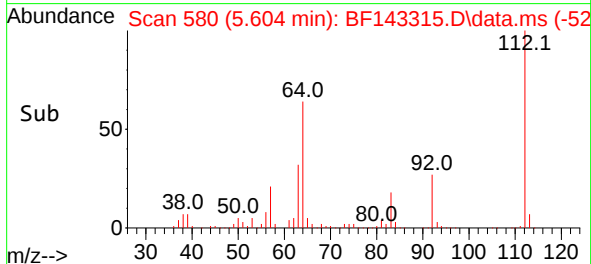
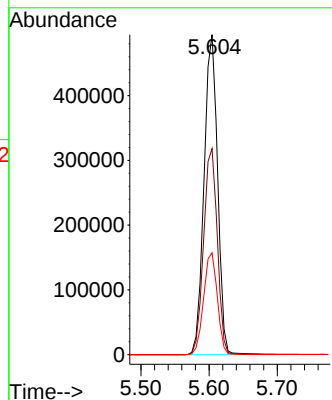
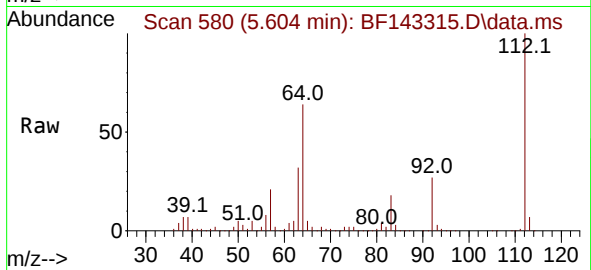




#5
2-Fluorophenol
Concen: 87.097 ng
RT: 5.604 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

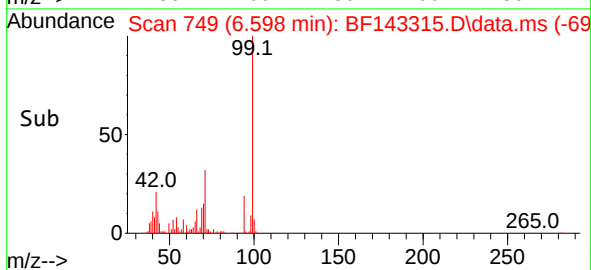
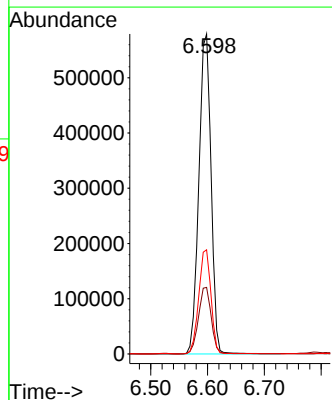
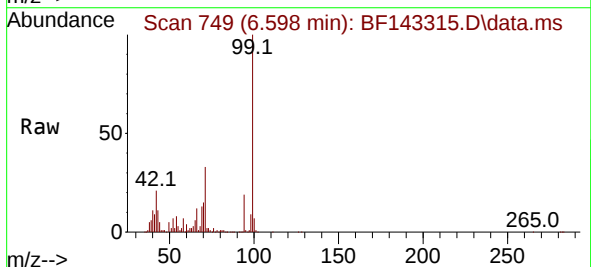
Instrument :
BNA_F
ClientSampleId :
SOLID-DRUMS

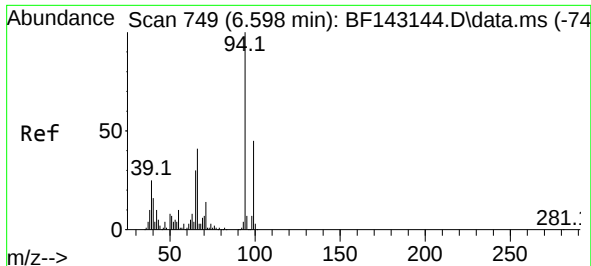
Tgt Ion:112 Resp: 684008
Ion Ratio Lower Upper
112 100
64 64.4 53.1 79.7
63 31.9 26.6 40.0



#7
Phenol-d6
Concen: 87.542 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.012 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

Tgt Ion: 99 Resp: 865350
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 32.5 27.7 41.5





#10

Phenol

Concen: 33.085 ng

RT: 6.610 min Scan# 71

Delta R.T. 0.012 min

Lab File: BF143315.D

Acq: 05 Aug 2025 14:57

Instrument :

BNA_F

ClientSampleId :

SOLID-DRUMS

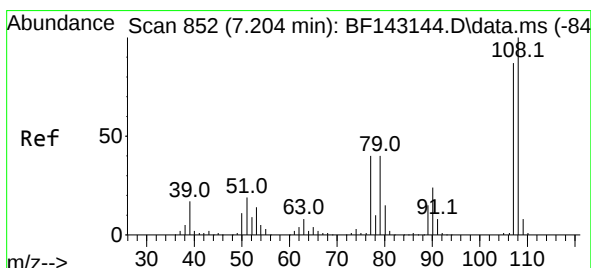
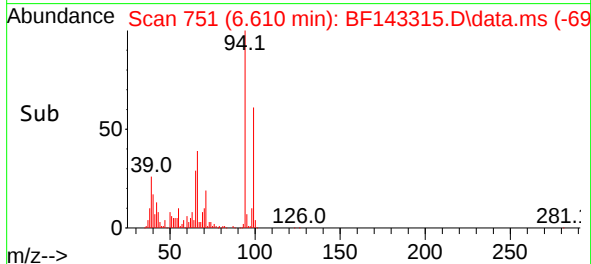
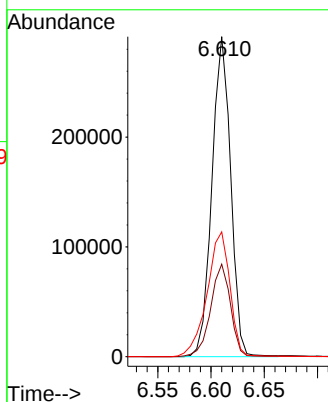
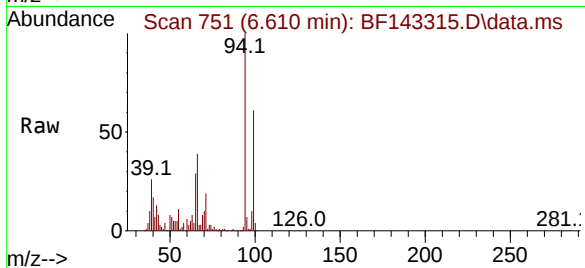
Tgt Ion: 94 Resp: 356285

Ion Ratio Lower Upper

94 100

65 28.9 10.0 50.0

66 39.0 20.8 60.8



#17

2-Methylphenol

Concen: 273.479 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.171 min

Lab File: BF143315.D

Acq: 05 Aug 2025 14:57

Tgt Ion: 107 Resp: 1892911

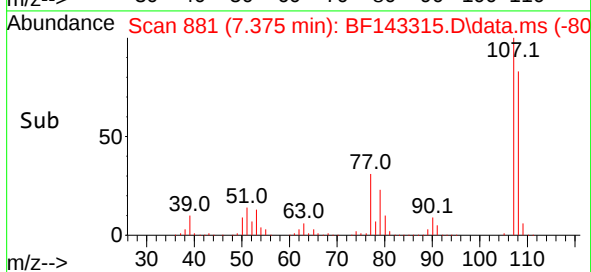
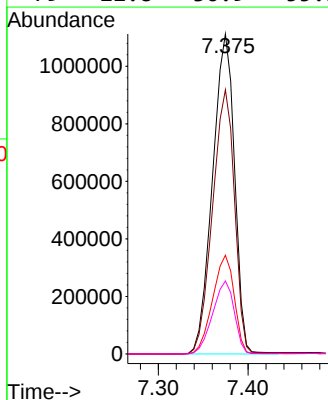
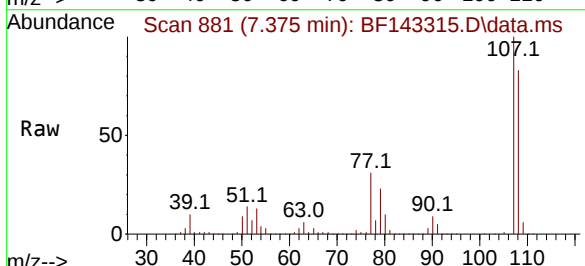
Ion Ratio Lower Upper

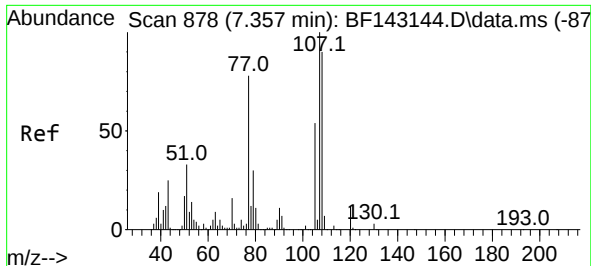
107 100

108 82.5 91.8 137.6#

77 30.8 37.0 55.6#

79 22.8 36.9 55.3#

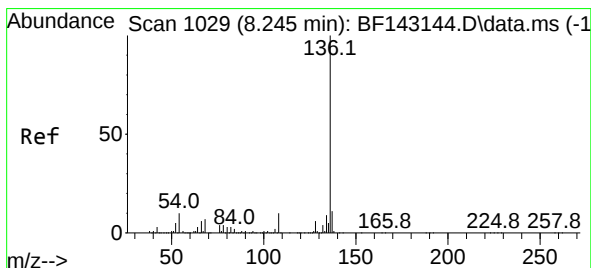
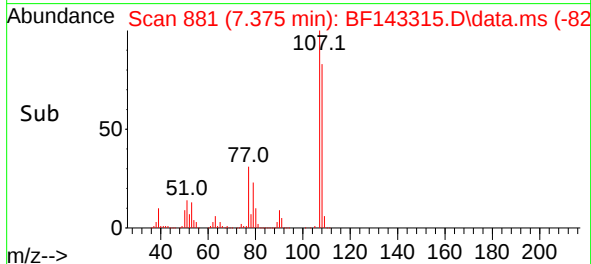
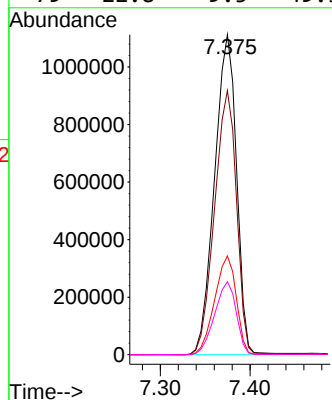
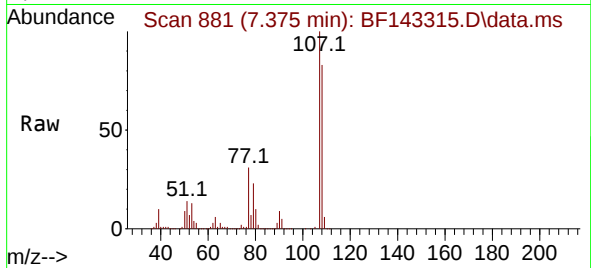




#20
3+4-Methylphenols
Concen: 225.407 ng
RT: 7.375 min Scan# 81
Delta R.T. 0.018 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

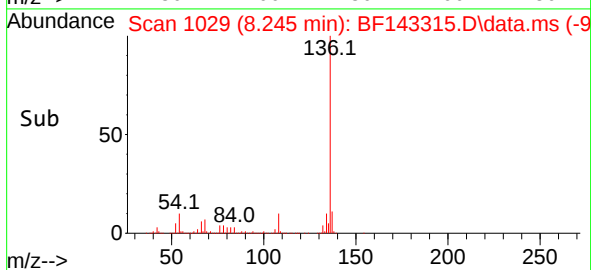
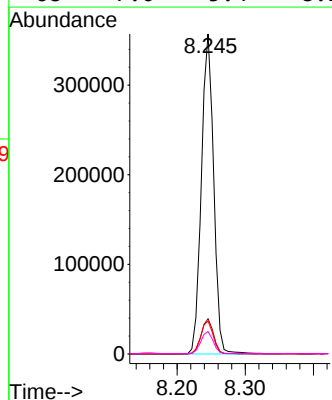
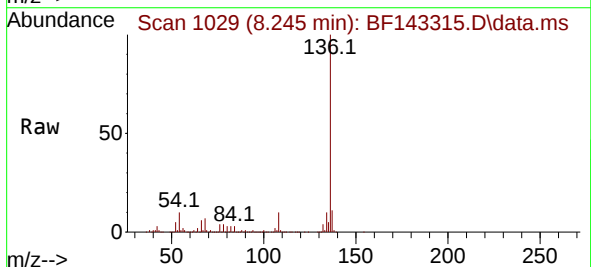
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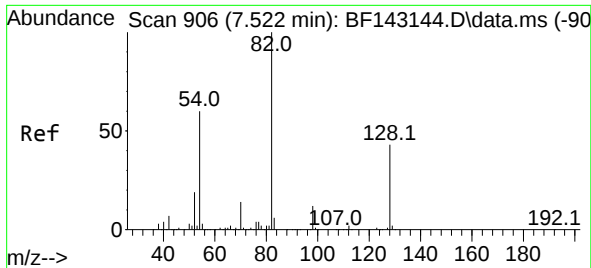
Tgt Ion:107 Resp: 1892911
Ion Ratio Lower Upper
107 100
108 82.5 70.0 110.0
77 30.8 57.8 97.8#
79 22.8 9.5 49.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

Tgt Ion:136 Resp: 446564
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.3 8.2 12.2
68 7.0 5.4 8.2

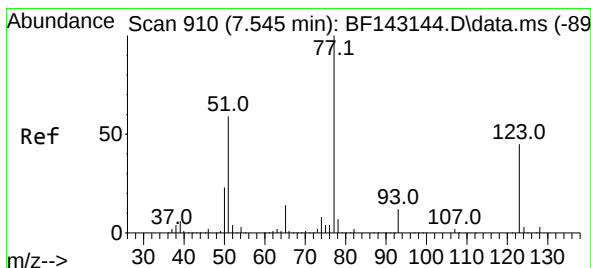
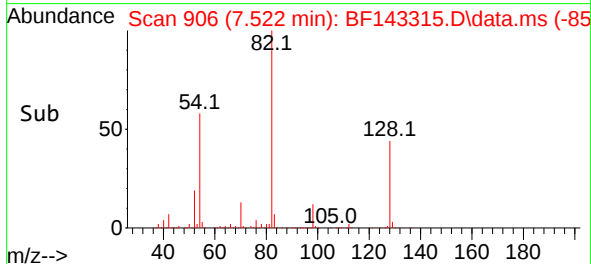
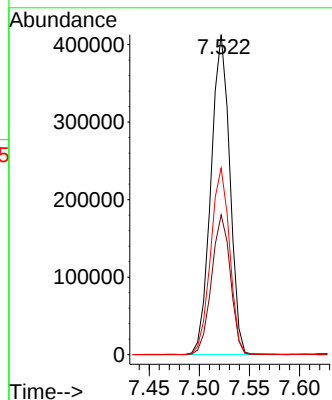
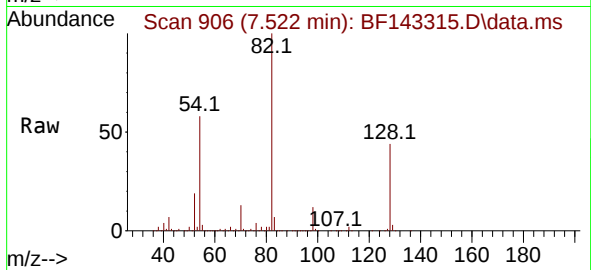




#23
Nitrobenzene-d5
Concen: 60.196 ng
RT: 7.522 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

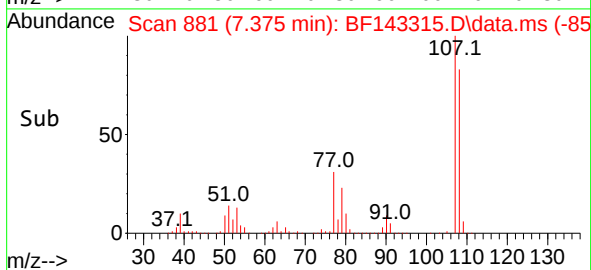
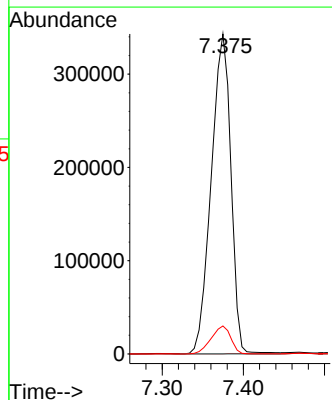
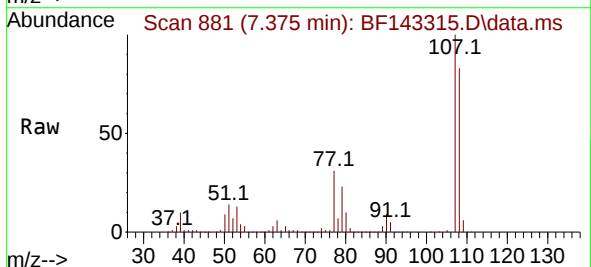
Instrument :
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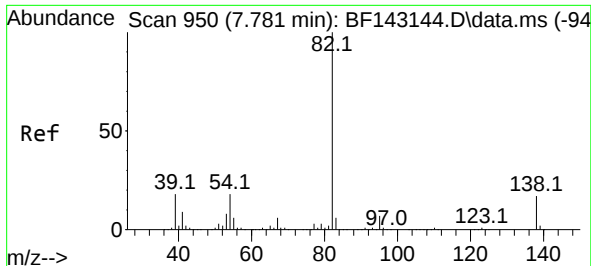
Tgt Ion: 82 Resp: 539277
Ion Ratio Lower Upper
82 100
128 43.7 33.6 50.4
54 58.4 47.1 70.7



#24
Nitrobenzene
Concen: 69.059 ng
RT: 7.375 min Scan# 881
Delta R.T. -0.171 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

Tgt Ion: 77 Resp: 576801
Ion Ratio Lower Upper
77 100
123 0.0 36.1 54.1#
65 8.7 11.4 17.2#

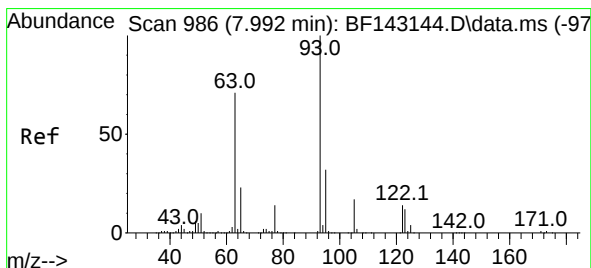
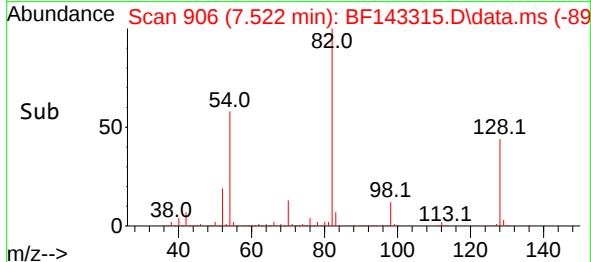
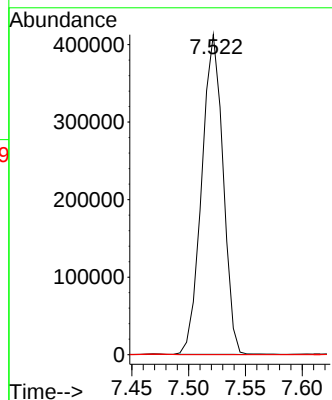
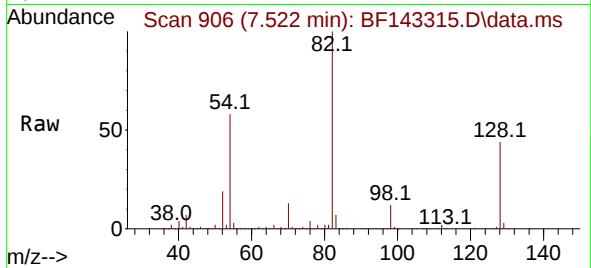




#25
Isophorone
Concen: 33.986 ng
RT: 7.522 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

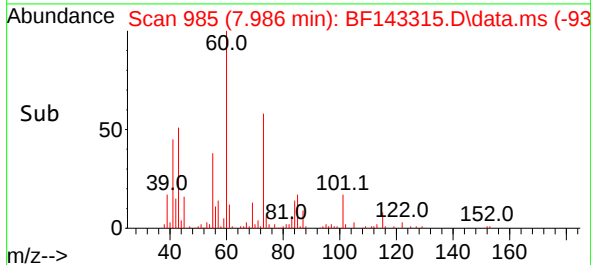
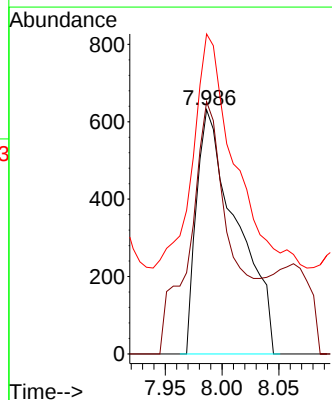
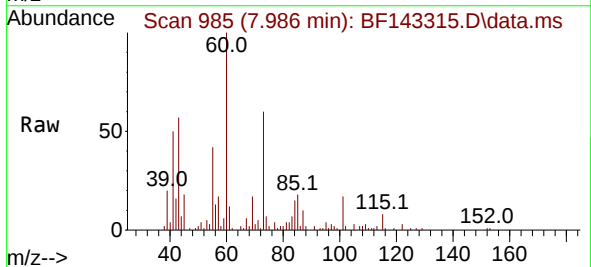
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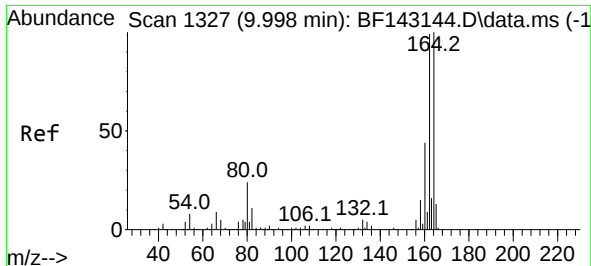
Tgt Ion: 82 Resp: 537493
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.513 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

Tgt Ion:122 Resp: 1563
Ion Ratio Lower Upper
122 100
105 103.3 104.8 144.8#
77 131.1 77.6 117.6#

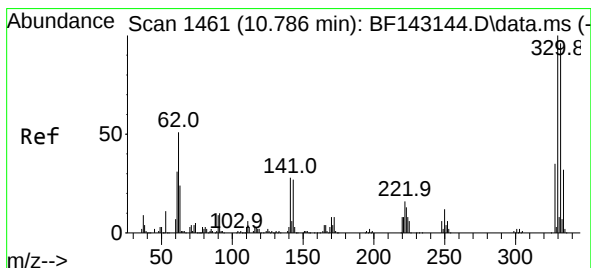
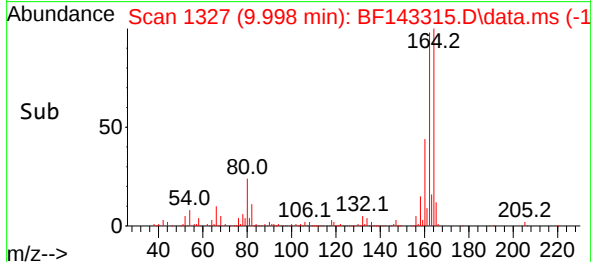
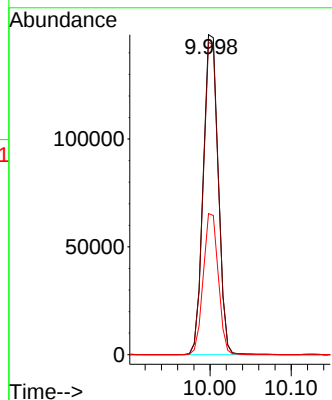
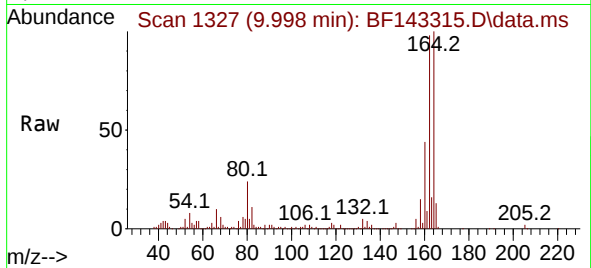




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

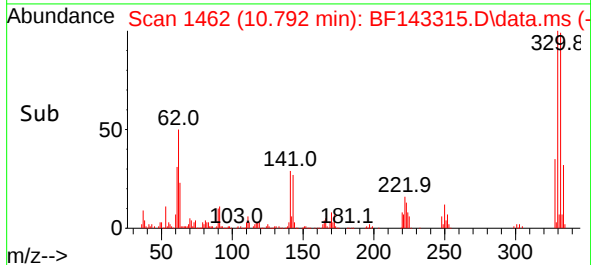
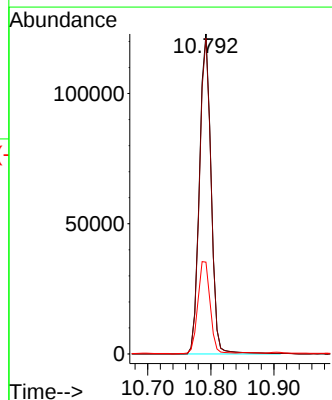
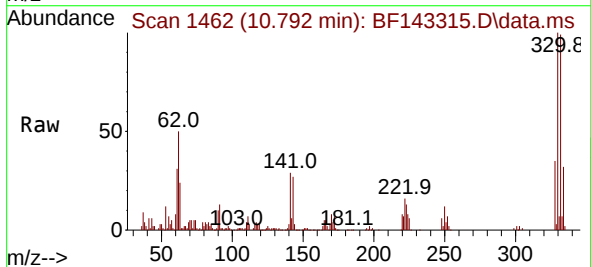
Instrument :
BNA_F
ClientSampleId :
SOLID-DRUMS

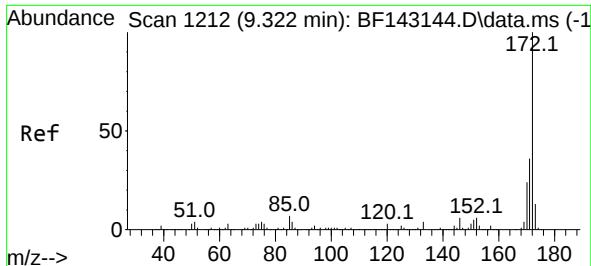
Tgt Ion:164 Resp: 191024
Ion Ratio Lower Upper
164 100
162 97.5 79.0 118.6
160 44.1 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 79.628 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

Tgt Ion:330 Resp: 157136
Ion Ratio Lower Upper
330 100
332 98.3 76.7 115.1
141 30.8 23.3 34.9

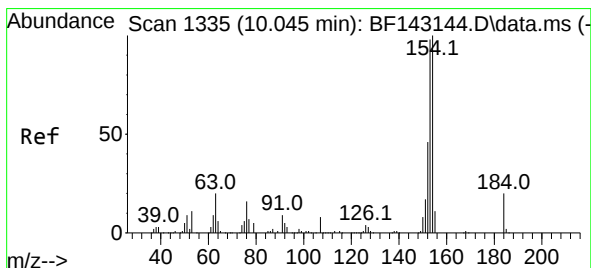
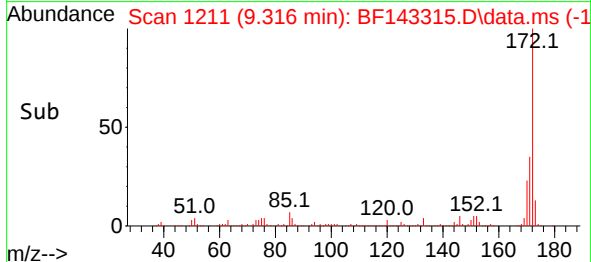
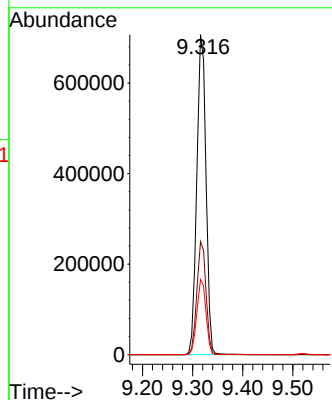
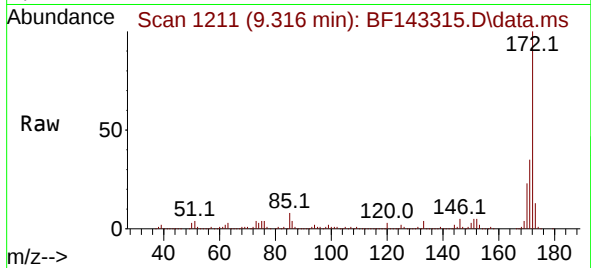




#45
2-Fluorobiphenyl
Concen: 64.437 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

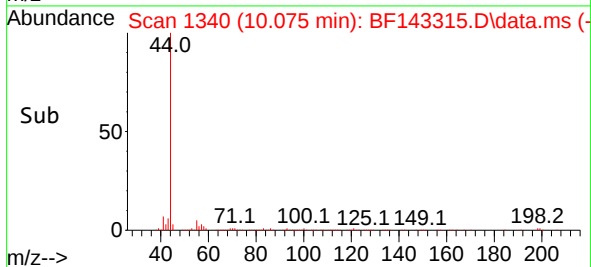
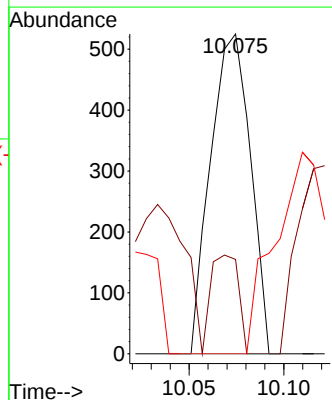
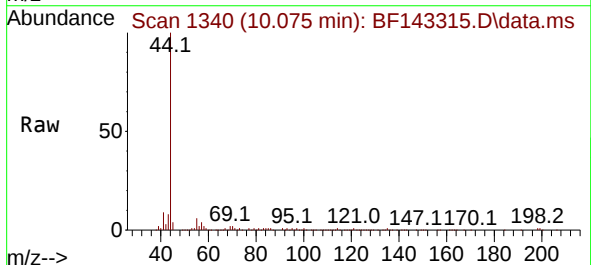
Instrument :
BNA_F
ClientSampleId :
SOLID-DRUMS

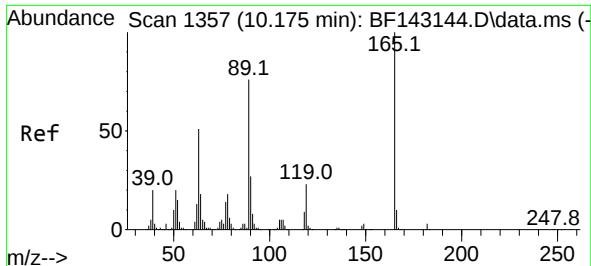
Tgt Ion:172 Resp: 900025
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.5 18.8 28.2



#54
2,4-Dinitrophenol
Concen: 7.277 ng
RT: 10.075 min Scan# 1340
Delta R.T. 0.030 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

Tgt Ion:184 Resp: 768
Ion Ratio Lower Upper
184 100
63 29.5 81.8 122.6#
154 0.0 412.2 618.4#

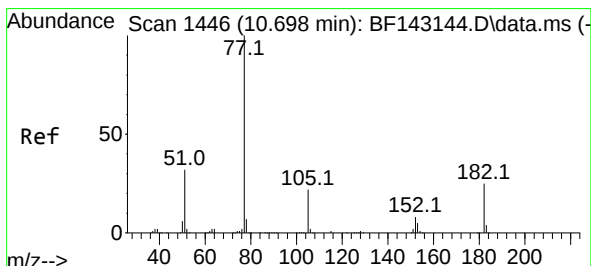
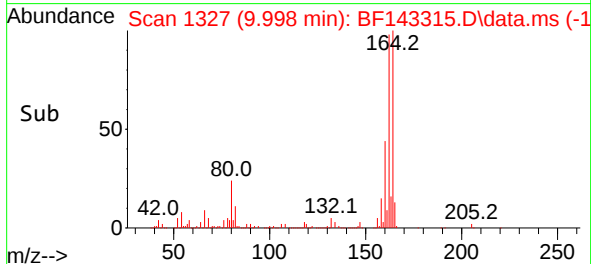
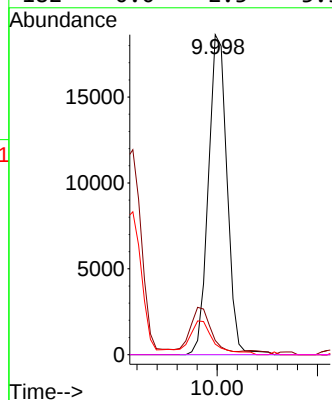
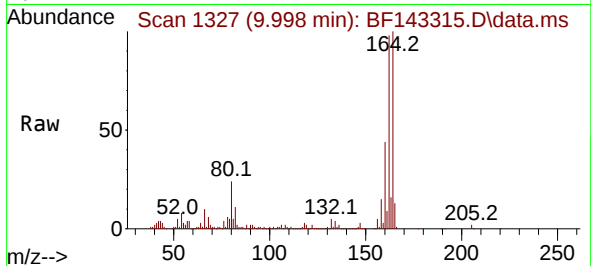




#57
2,4-Dinitrotoluene
Concen: 7.591 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

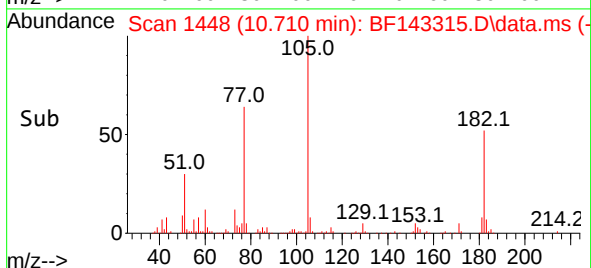
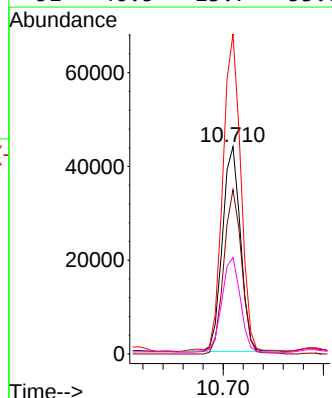
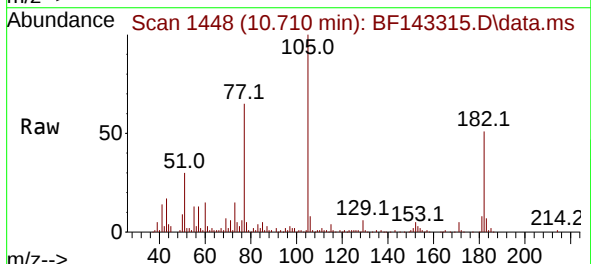
Instrument :
BNA_F
ClientSampleId :
SOLID-DRUMS

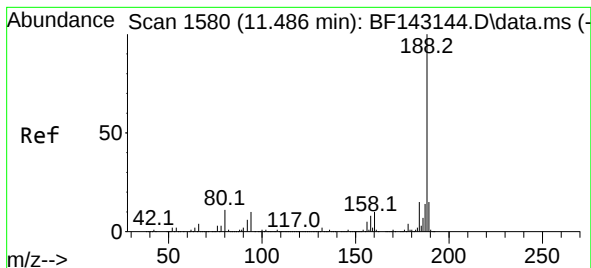
Tgt Ion:165	Resp:	24124
Ion Ratio	Lower	Upper
165	100	
63	4.4	41.0 61.4#
89	3.3	61.1 91.7#
182	0.0	2.3 3.5#



#63
Azobenzene
Concen: 4.249 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.012 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

Tgt Ion: 77	Resp:	54497
Ion Ratio	Lower	Upper
77	100	
182	79.2	4.6 44.6#
105	154.3	1.4 41.4#
51	46.5	13.7 53.7

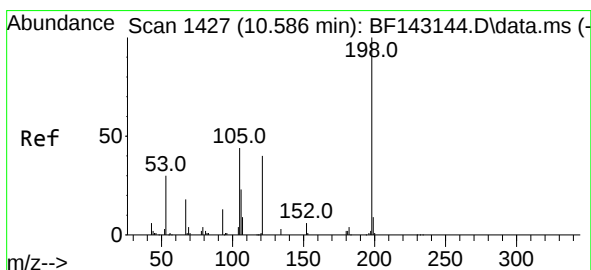
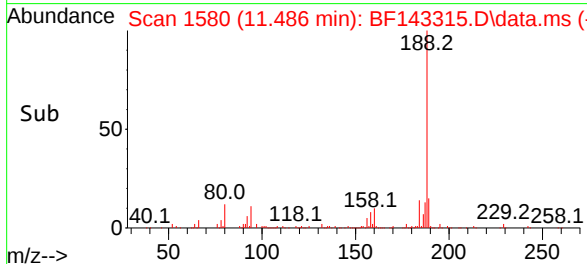
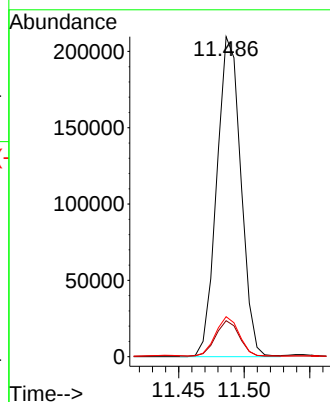
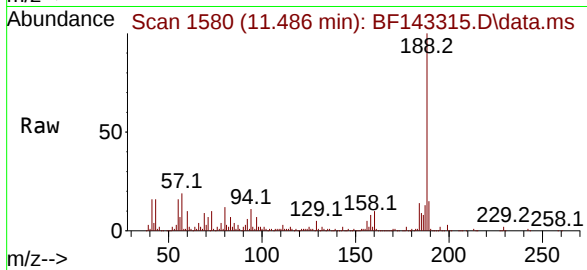




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

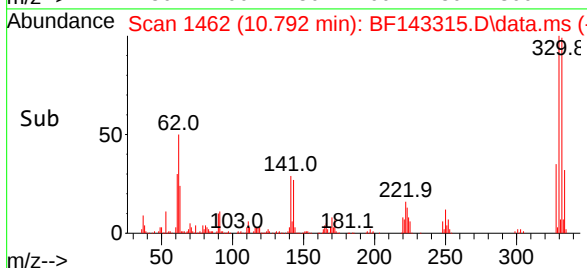
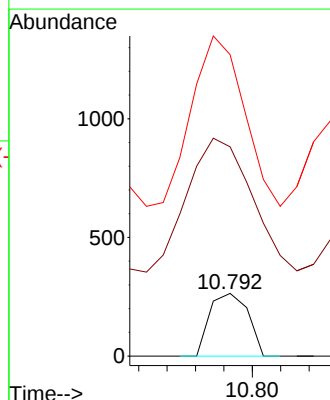
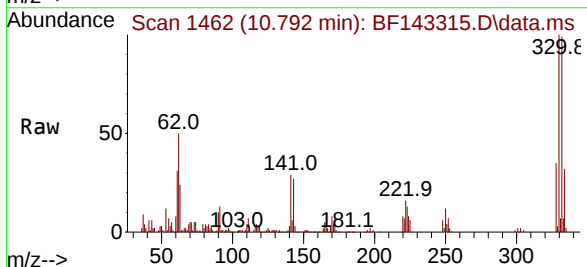
Instrument :
BNA_F
ClientSampleId :
SOLID-DRUMS

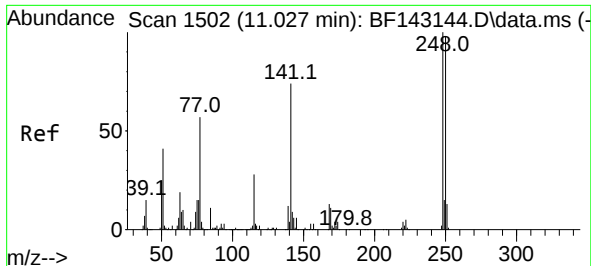
Tgt Ion:188 Resp: 267201
Ion Ratio Lower Upper
188 100
94 11.3 8.3 12.5
80 12.5 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 5.569 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.206 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

Tgt Ion:198 Resp: 247
Ion Ratio Lower Upper
198 100
51 334.1 37.2 77.2#
105 481.1 24.8 64.8#

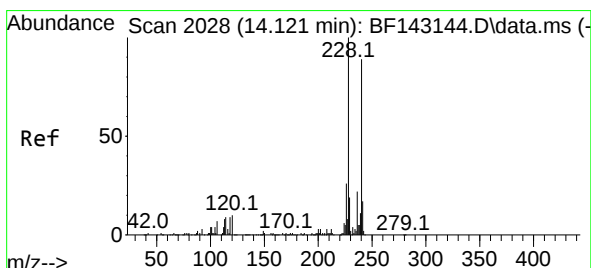
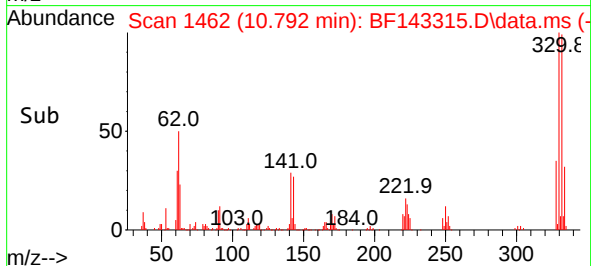
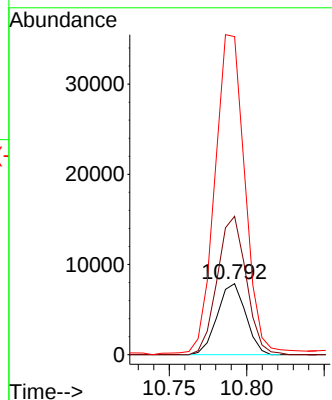
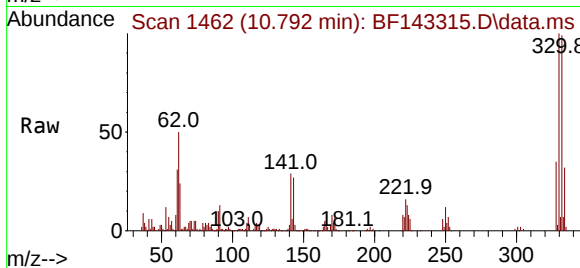




#67
4-Bromophenyl-phenylether
Concen: 3.151 ng
RT: 10.792 min Scan# 14
Delta R.T. -0.235 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

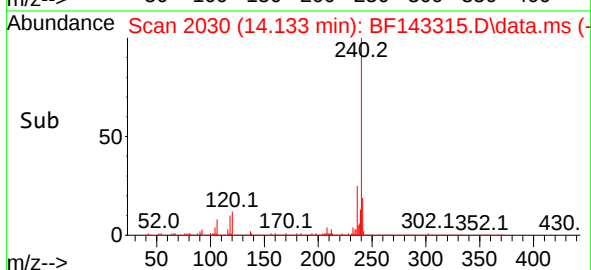
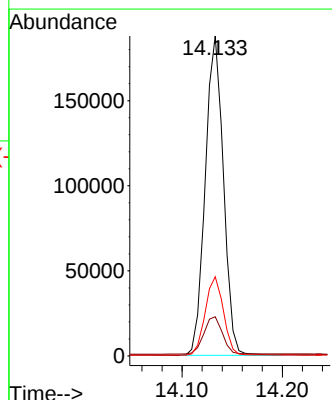
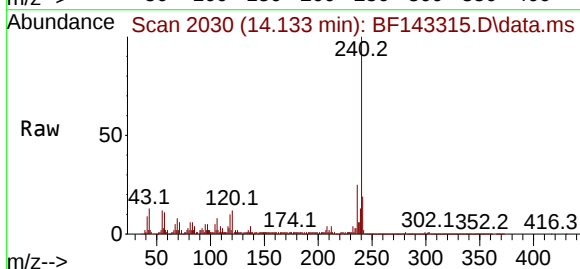
Instrument :
BNA_F
ClientSampleId :
SOLID-DRUMS

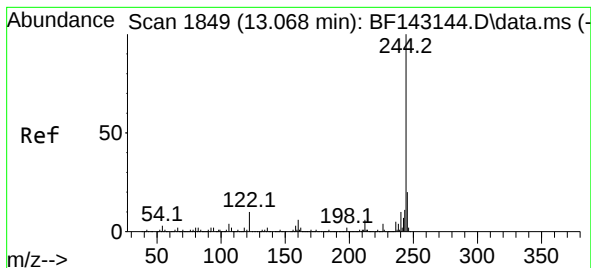
Tgt Ion:248 Resp: 10035
Ion Ratio Lower Upper
248 100
250 194.7 78.3 117.5#
141 447.6 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.012 min
Lab File: BF143315.D
Acq: 05 Aug 2025 14:57

Tgt Ion:240 Resp: 236993
Ion Ratio Lower Upper
240 100
120 12.3 9.4 14.2
236 24.8 20.2 30.4





#79

Terphenyl-d14

Concen: 46.873 ng

RT: 13.074 min Scan# 1849

Delta R.T. 0.006 min

Lab File: BF143315.D

Acq: 05 Aug 2025 14:57

Instrument :

BNA_F

ClientSampleId :

SOLID-DRUMS

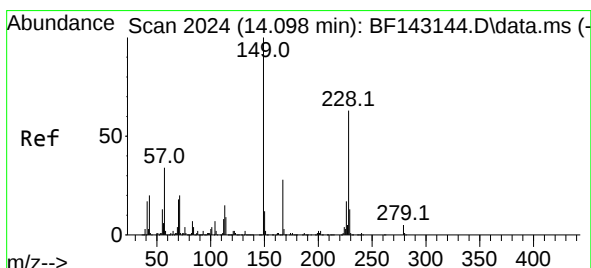
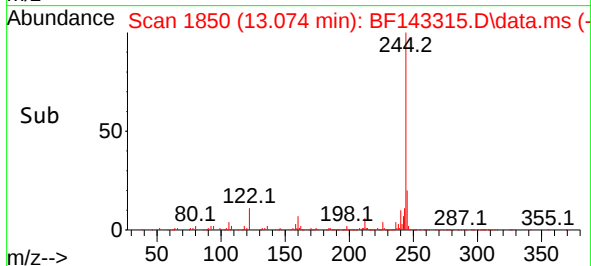
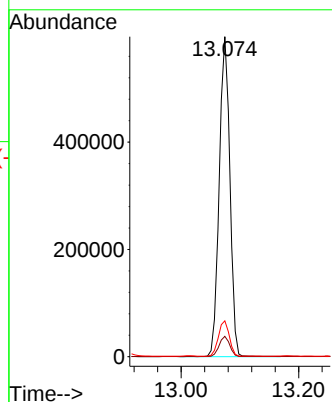
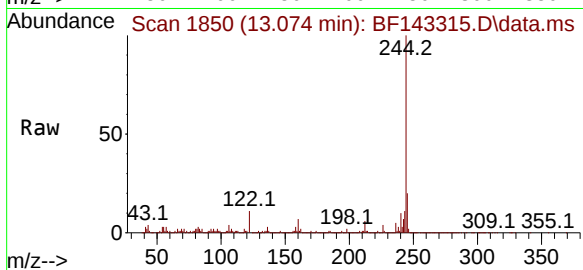
Tgt Ion:244 Resp: 746483

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 11.2 8.2 12.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.162 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143315.D

Acq: 05 Aug 2025 14:57

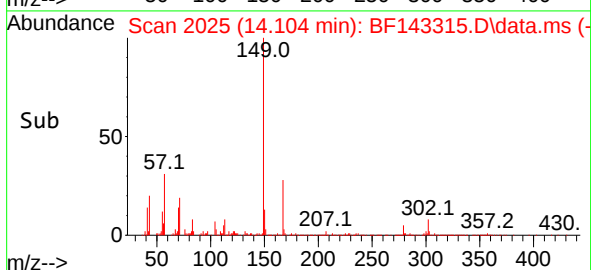
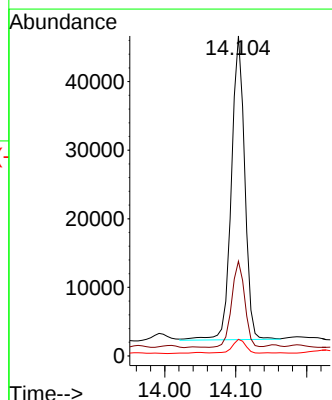
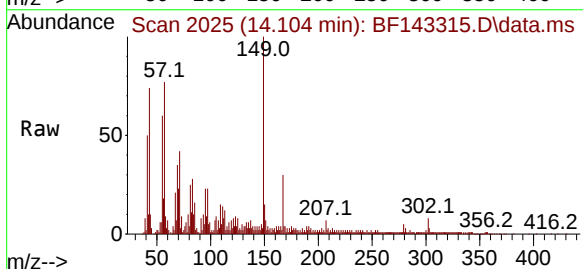
Tgt Ion:149 Resp: 57761

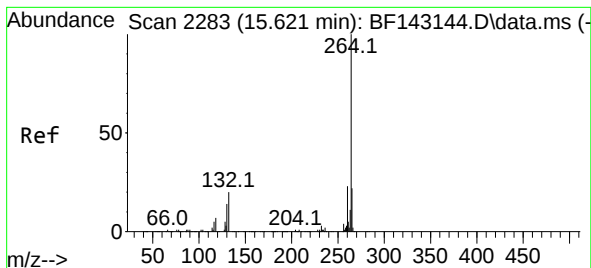
Ion Ratio Lower Upper

149 100

167 29.6 22.3 33.5

279 5.2 3.6 5.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF143315.D

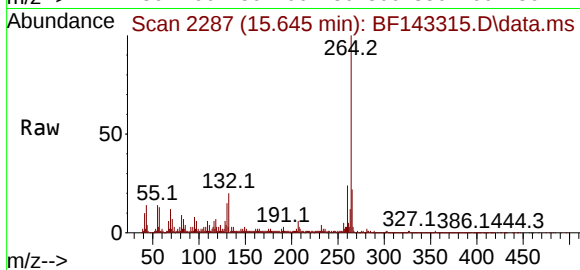
Acq: 05 Aug 2025 14:57

Instrument :

BNA_F

ClientSampleId :

SOLID-DRUMS



Tgt Ion:264 Resp: 173103

Ion Ratio Lower Upper

264 100

260 23.6 18.5 27.7

265 22.3 17.4 26.2

