

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143355.D
 Acq On : 12 Aug 2025 16:02
 Operator : RC/JU
 Sample : Q2807-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-4

Quant Time: Aug 12 16:29:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

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

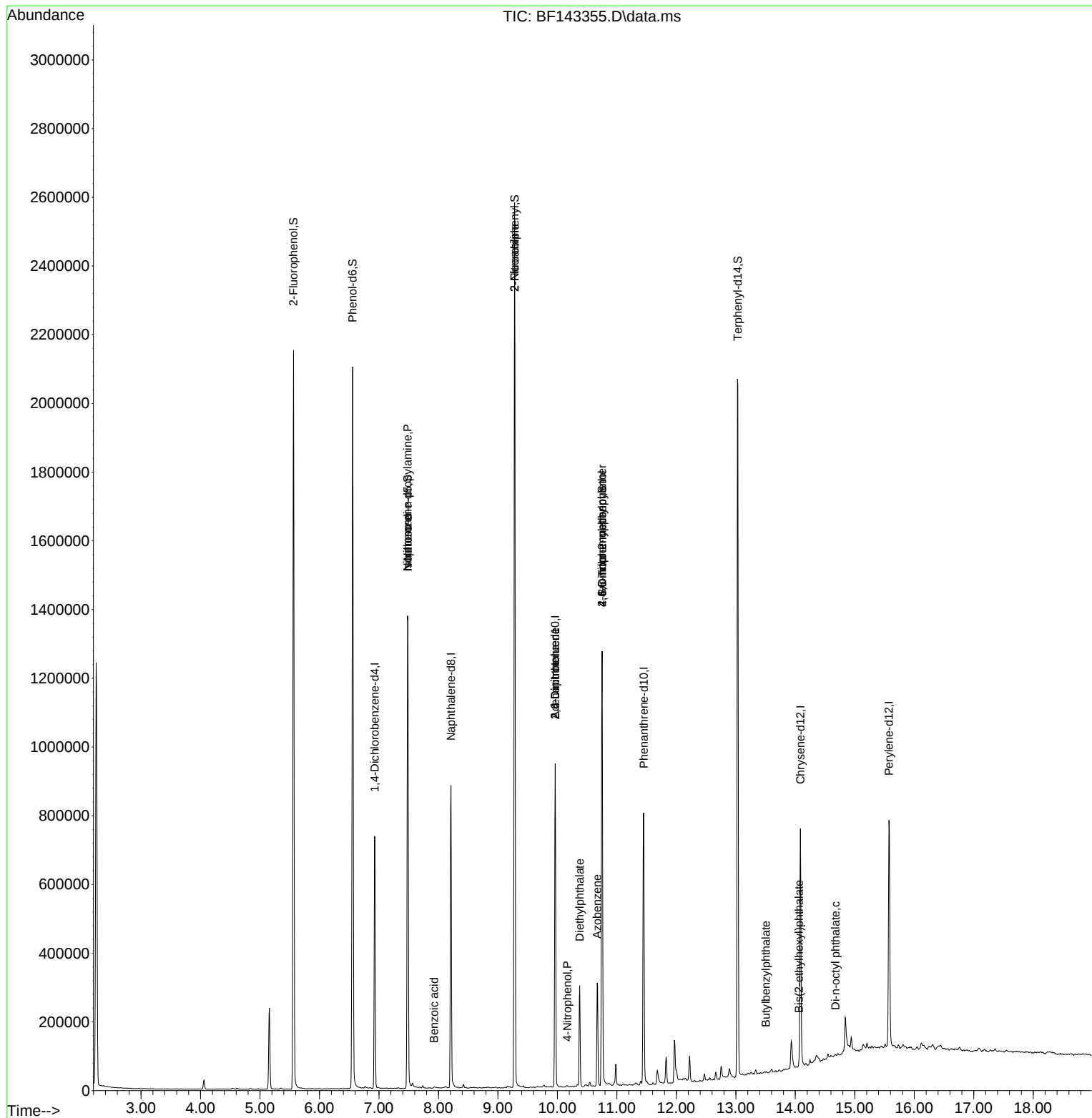
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	146370	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	551165	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	273111	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	405137	20.000	ng	0.00
76) Chrysene-d12	14.086	240	334879	20.000	ng	0.00
86) Perylene-d12	15.574	264	409754	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	754839	89.179	ng	0.00
7) Phenol-d6	6.557	99	950502	87.568	ng	0.00
23) Nitrobenzene-d5	7.481	82	601650	67.978	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	206142	103.280	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	1100838	68.351	ng	0.00
79) Terphenyl-d14	13.033	244	1018081	54.277	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	80158	11.951	ng	# 83
25) Isophorone	7.481	82	583203	32.278	ng	# 65
32) Benzoic acid	7.928	122	503	3.646	ng	86
48) 2-Nitroaniline	9.280	65	2040	3.204	ng	# 1
51) 2,6-Dinitrotoluene	9.963	165	34134	13.568	ng	# 21
56) 4-Nitrophenol	10.169	139	292	5.581	ng	# 41
57) 2,4-Dinitrotoluene	9.963	165	34128	10.995	ng	# 20
60) Diethylphthalate	10.374	149	146438	10.245	ng	99
63) Azobenzene	10.669	77	78352	4.799	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.751	198	375	7.455	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	13769	2.972	ng	# 1
80) Butylbenzylphthalate	13.504	149	648	3.459	ng	# 44
84) Bis(2-ethylhexyl)phtha...	14.062	149	4370	4.480	ng	# 82
85) Di-n-octyl phthalate	14.674	149	2011	6.133	ng	# 40

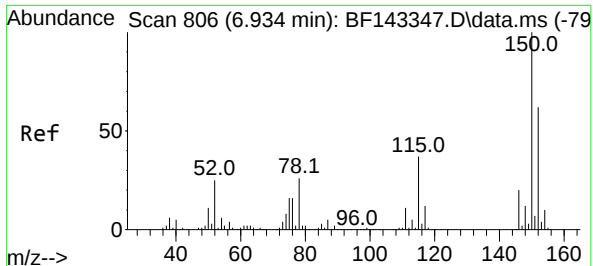
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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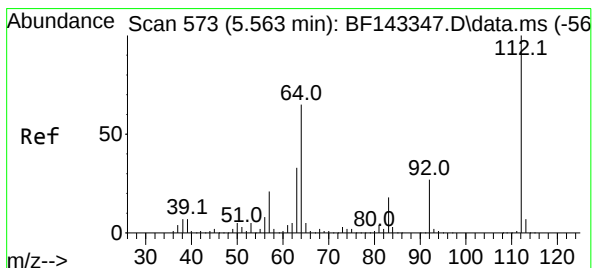
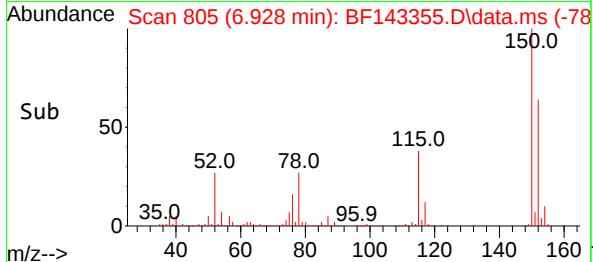
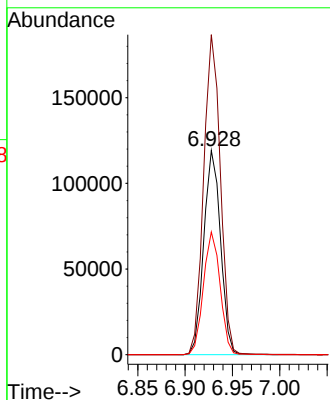
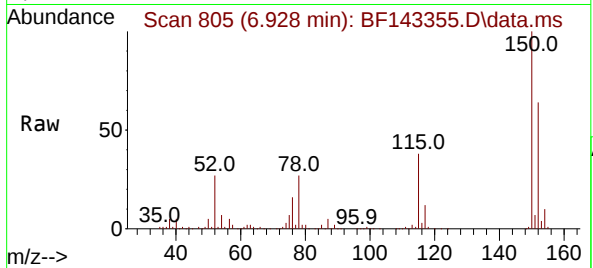




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

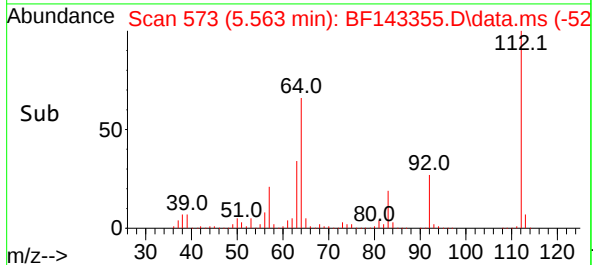
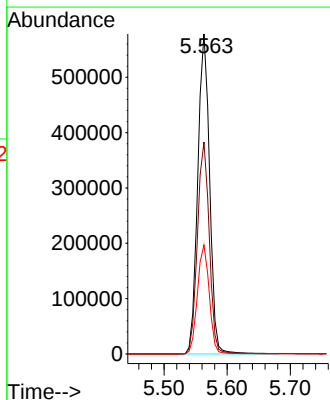
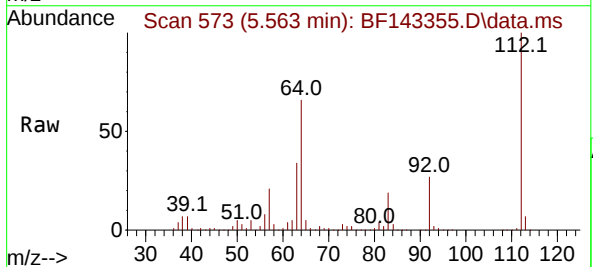
Instrument :
BNA_F
ClientSampleId :
COMP-4

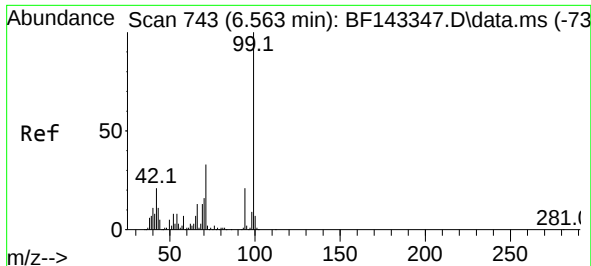
Tgt Ion:152 Resp: 146370
Ion Ratio Lower Upper
152 100
150 156.7 129.8 194.8
115 60.1 47.8 71.8



#5
2-Fluorophenol
Concen: 89.179 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Tgt Ion:112 Resp: 754839
Ion Ratio Lower Upper
112 100
64 66.2 52.1 78.1
63 34.0 26.6 39.8

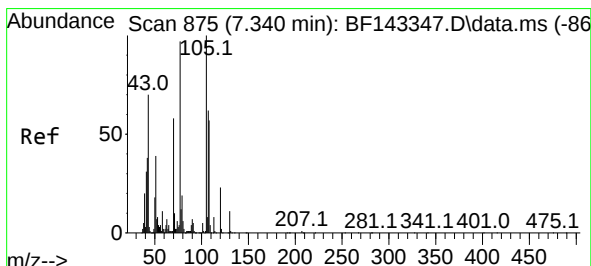
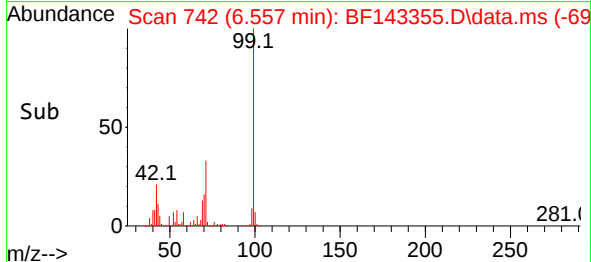
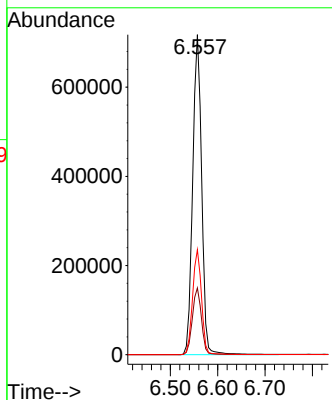
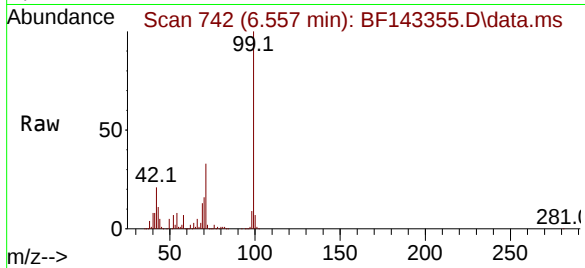




#7
Phenol-d6
Concen: 87.568 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

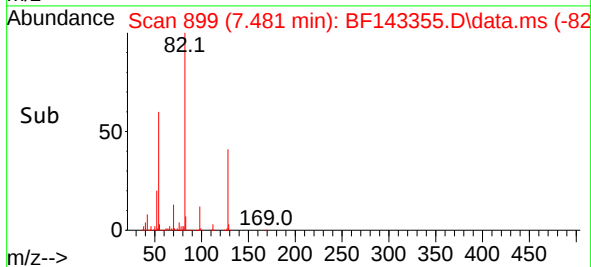
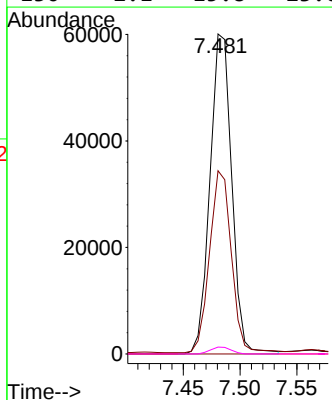
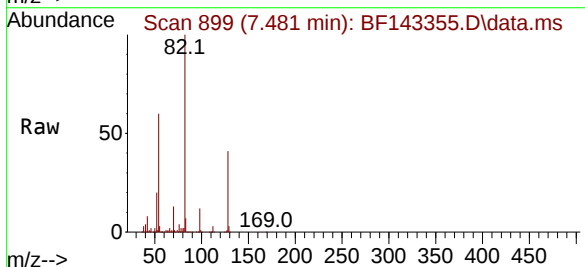
Instrument :
BNA_F
ClientSampleId :
COMP-4

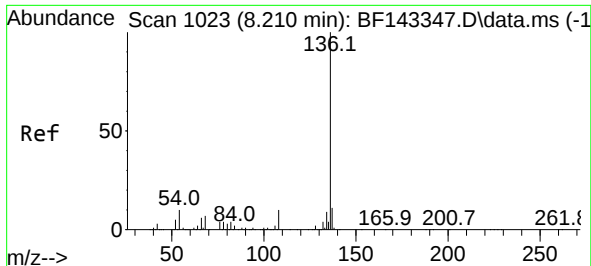
Tgt Ion: 99 Resp: 950502
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 32.8 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.951 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.141 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Tgt Ion: 70 Resp: 80158
Ion Ratio Lower Upper
70 100
42 57.3 51.6 77.4
101 0.0 7.5 11.3#
130 2.1 15.8 23.6#

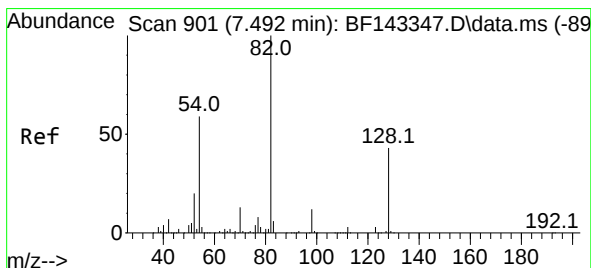
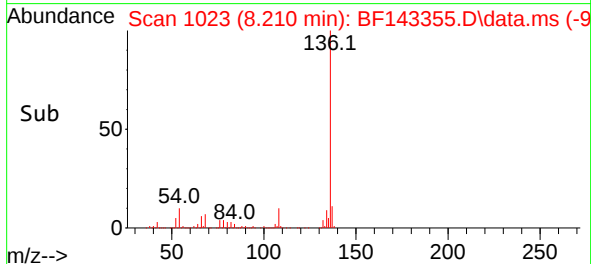
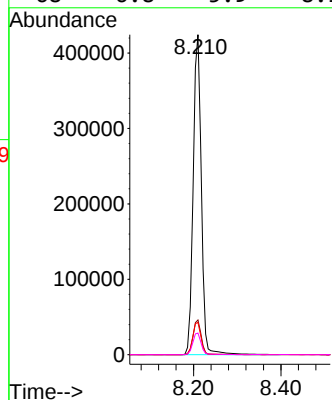
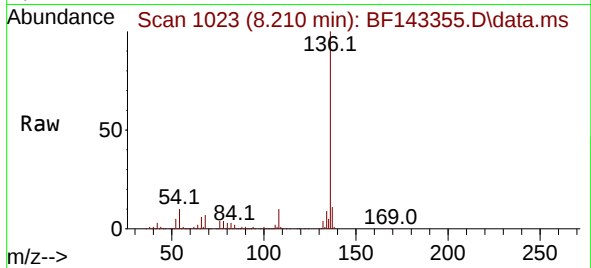




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

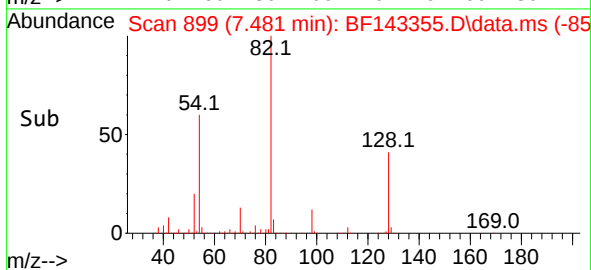
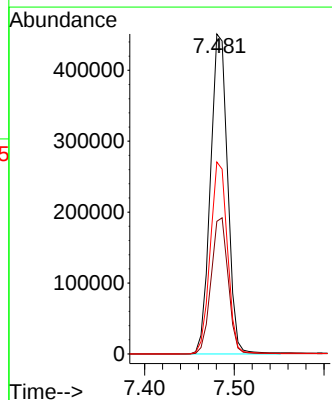
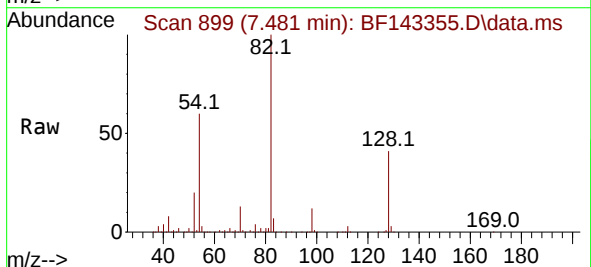
Instrument :
BNA_F
ClientSampleId :
COMP-4

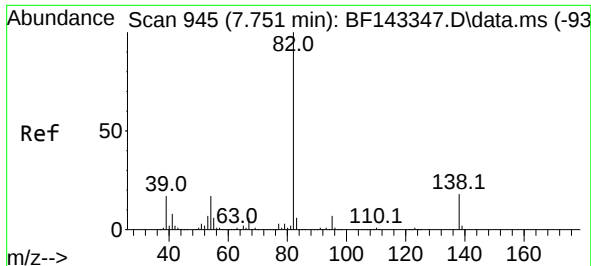
Tgt Ion:	136	Resp:	551165
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	10.0	8.4	12.6
68	6.8	5.9	8.9



#23
Nitrobenzene-d5
Concen: 67.978 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Tgt Ion:	82	Resp:	601650
Ion Ratio	Lower	Upper	
82	100		
128	41.5	33.5	50.3
54	60.0	46.7	70.1

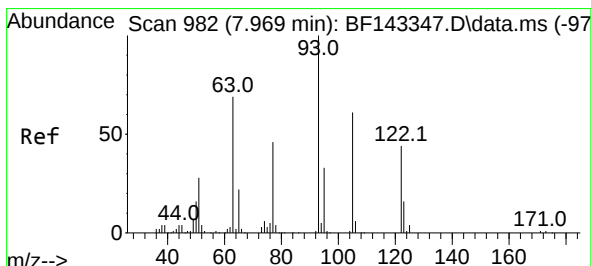
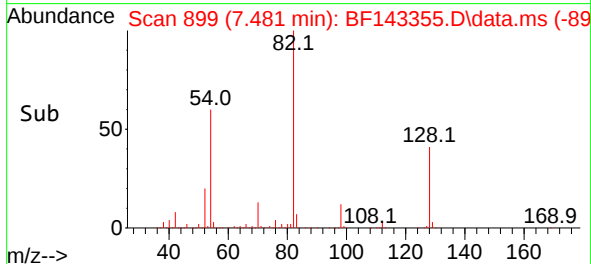
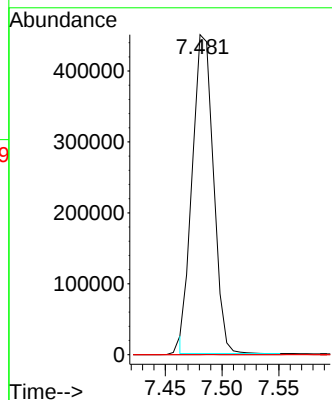
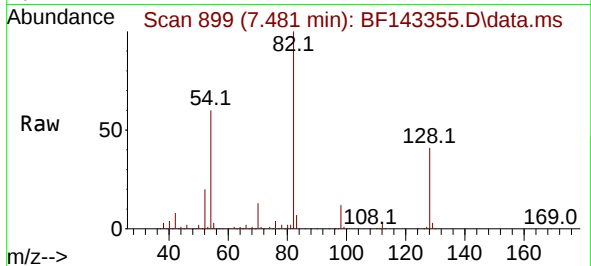




#25
Isophorone
Concen: 32.278 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

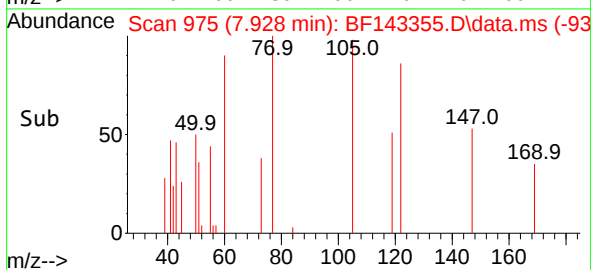
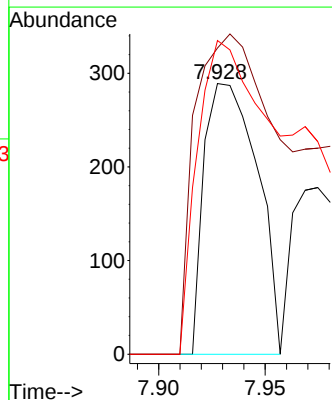
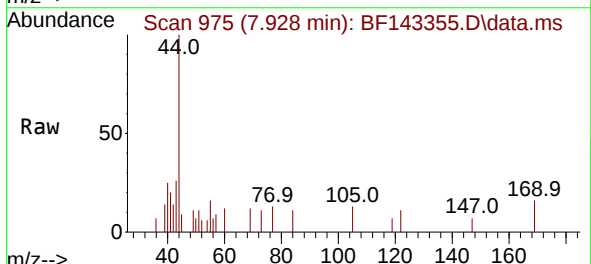
Instrument :
BNA_F
ClientSampleId :
COMP-4

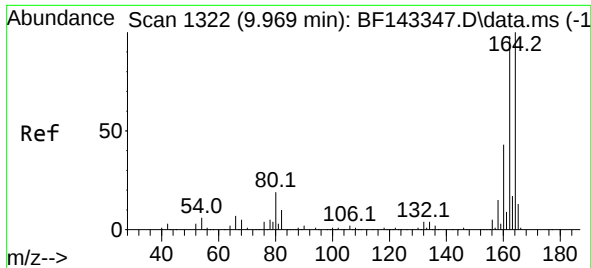
Tgt Ion: 82 Resp: 583203
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 3.646 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.041 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Tgt Ion:122 Resp: 503
Ion Ratio Lower Upper
122 100
105 113.1 106.4 146.4
77 115.9 79.2 119.2

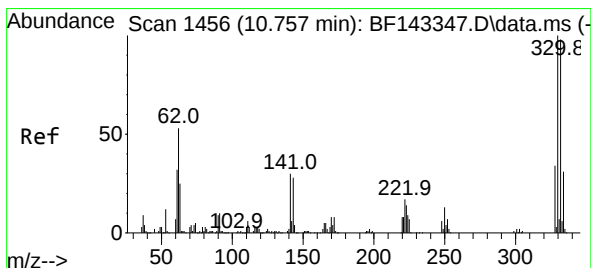
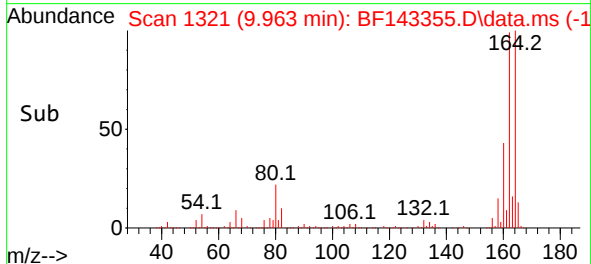
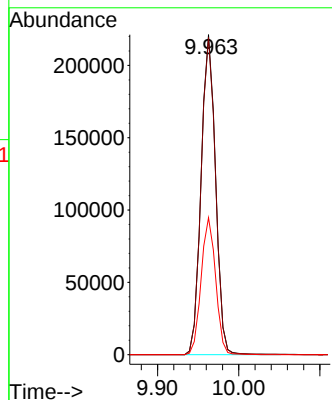
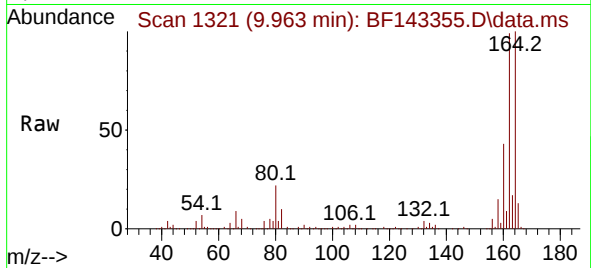




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

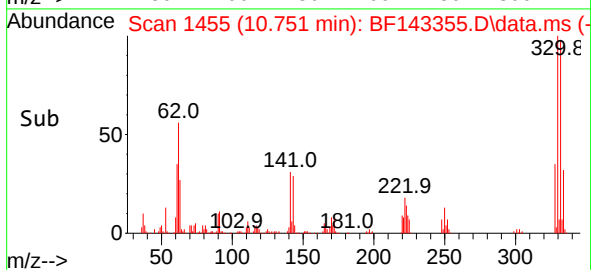
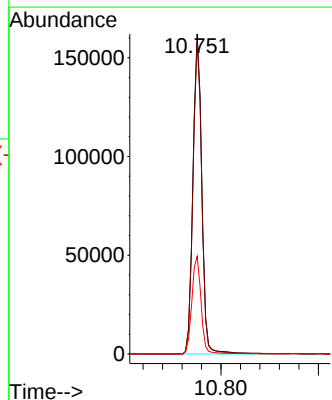
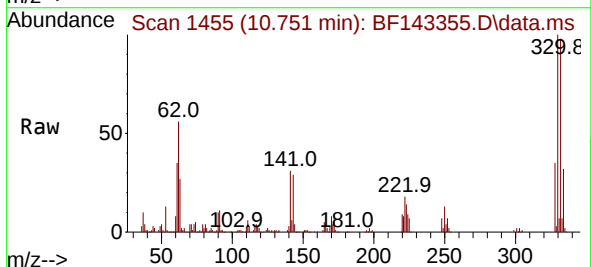
Instrument :
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ClientSampleId :
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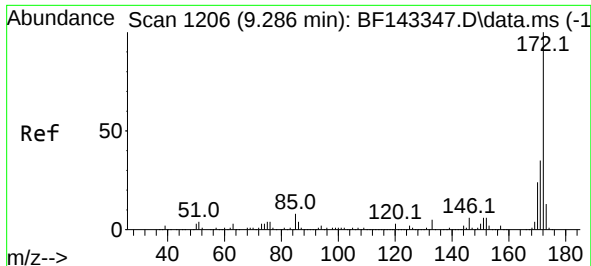
Tgt Ion:164 Resp: 273111
Ion Ratio Lower Upper
164 100
162 99.1 78.6 118.0
160 42.8 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 103.280 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Tgt Ion:330 Resp: 206142
Ion Ratio Lower Upper
330 100
332 97.6 78.1 117.1
141 31.4 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 68.351 ng

RT: 9.280 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143355.D

Acq: 12 Aug 2025 16:02

Instrument :

BNA_F

ClientSampleId :

COMP-4

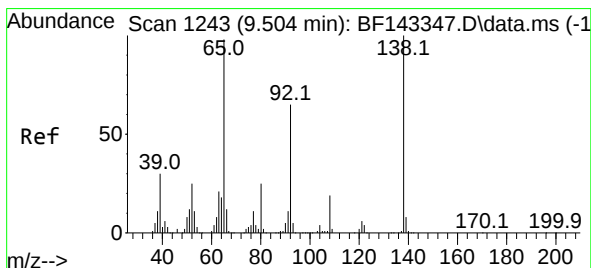
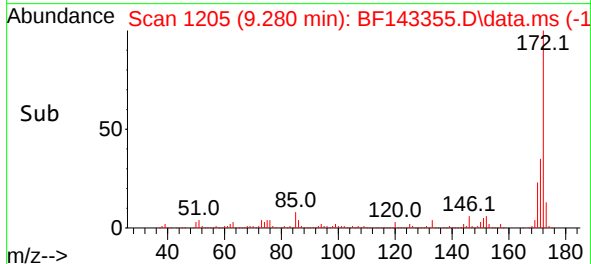
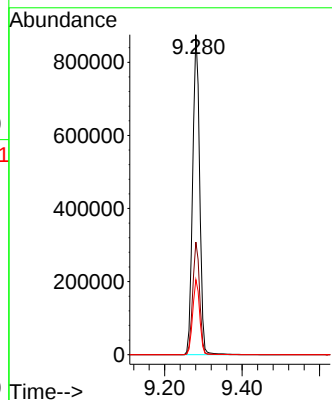
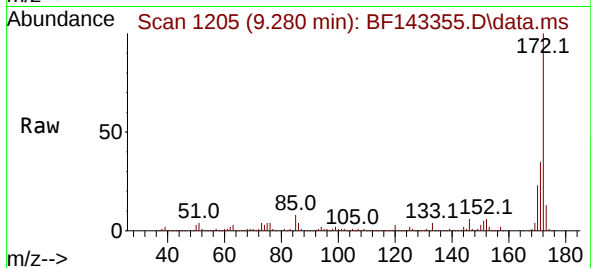
Tgt Ion:172 Resp: 1100838

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.4 19.1 28.7



#48

2-Nitroaniline

Concen: 3.204 ng

RT: 9.280 min Scan# 1205

Delta R.T. -0.224 min

Lab File: BF143355.D

Acq: 12 Aug 2025 16:02

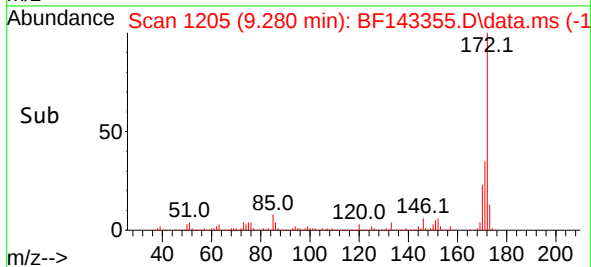
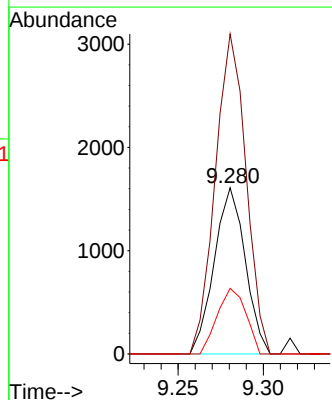
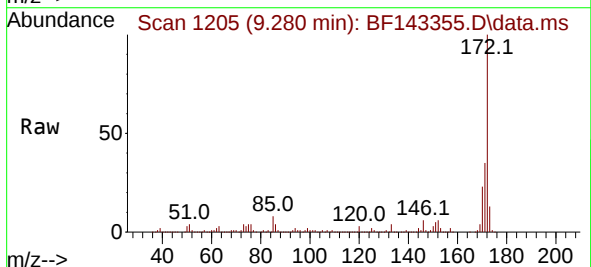
Tgt Ion: 65 Resp: 2040

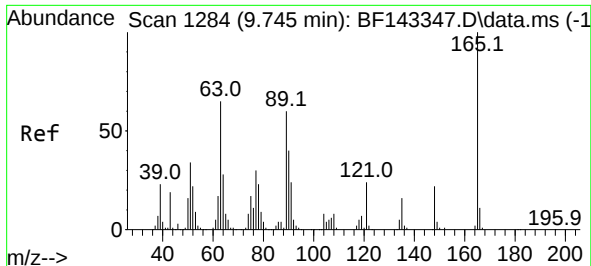
Ion Ratio Lower Upper

65 100

92 192.5 53.1 79.7#

138 39.4 81.4 122.0#





#51

2,6-Dinitrotoluene

Concen: 13.568 ng

RT: 9.963 min Scan# 1

Delta R.T. 0.218 min

Lab File: BF143355.D

Acq: 12 Aug 2025 16:02

Instrument :

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ClientSampleId :

COMP-4

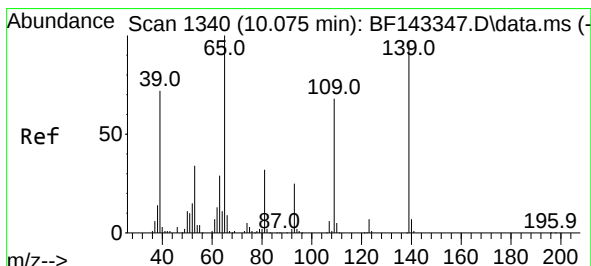
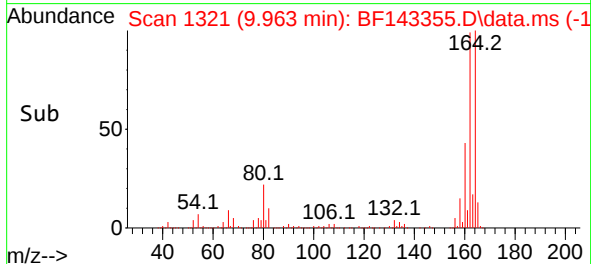
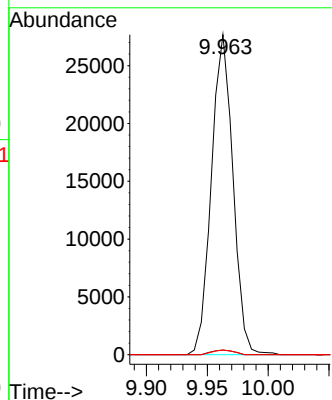
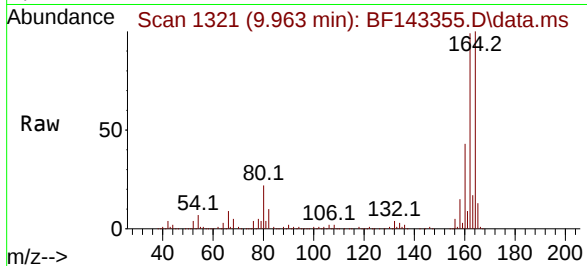
Tgt Ion:165 Resp: 34134

Ion Ratio Lower Upper

165 100

63 1.4 51.6 77.4#

89 1.5 47.7 71.5#



#56

4-Nitrophenol

Concen: 5.581 ng

RT: 10.169 min Scan# 1356

Delta R.T. 0.094 min

Lab File: BF143355.D

Acq: 12 Aug 2025 16:02

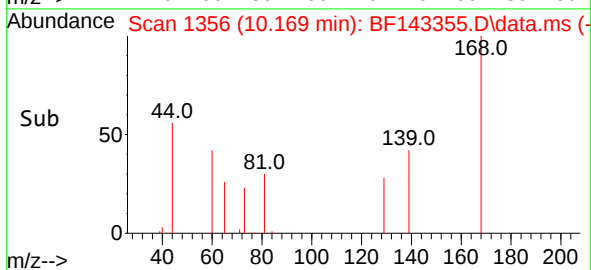
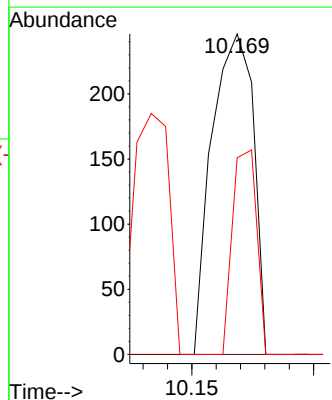
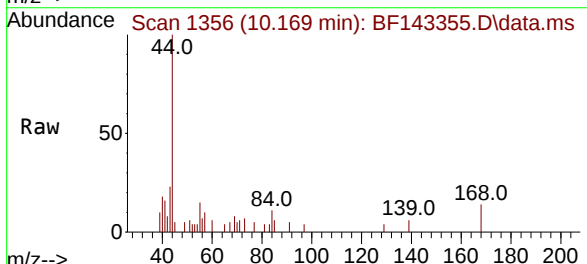
Tgt Ion:139 Resp: 292

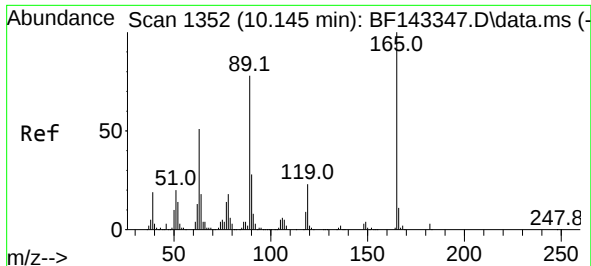
Ion Ratio Lower Upper

139 100

109 0.0 49.4 89.4#

65 61.4 83.7 123.7#

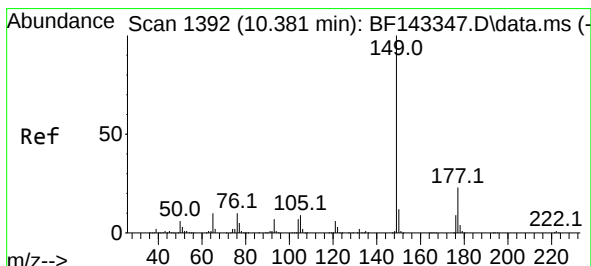
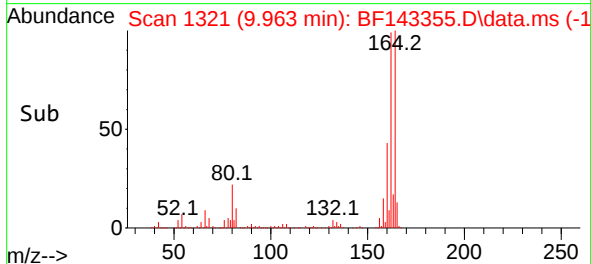
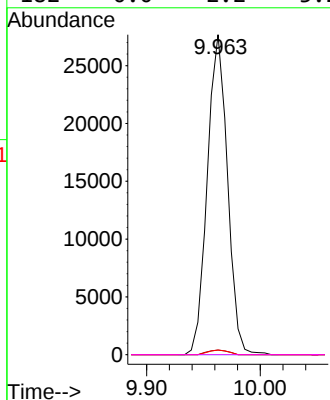
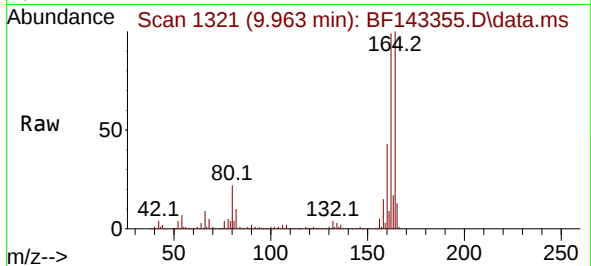




#57
2,4-Dinitrotoluene
Concen: 10.995 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

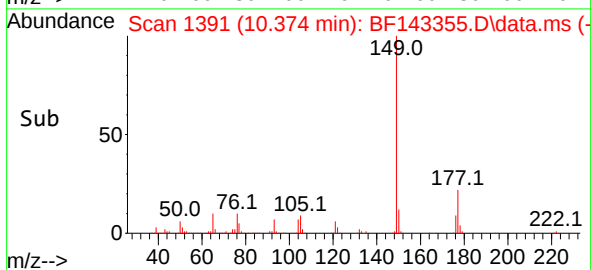
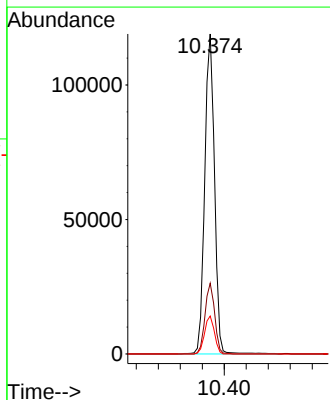
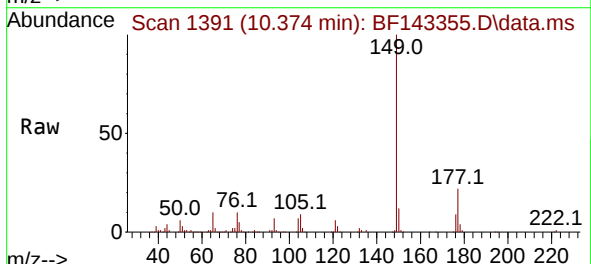
Instrument :
BNA_F
ClientSampleId :
COMP-4

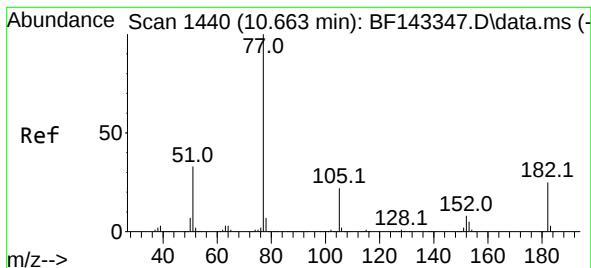
Tgt Ion:165 Resp: 34128
Ion Ratio Lower Upper
165 100
63 1.4 41.8 62.8#
89 1.5 62.4 93.6#
182 0.0 2.2 3.2#



#60
Diethylphthalate
Concen: 10.245 ng
RT: 10.374 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Tgt Ion:149 Resp: 146438
Ion Ratio Lower Upper
149 100
177 22.1 18.2 27.2
150 11.8 9.9 14.9





#63

Azobenzene

Concen: 4.799 ng

RT: 10.669 min Scan# 1440

Delta R.T. 0.006 min

Lab File: BF143355.D

Acq: 12 Aug 2025 16:02

Instrument :

BNA_F

ClientSampleId :

COMP-4

Tgt Ion: 77 Resp: 78352

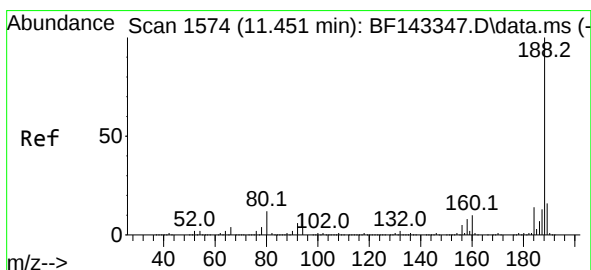
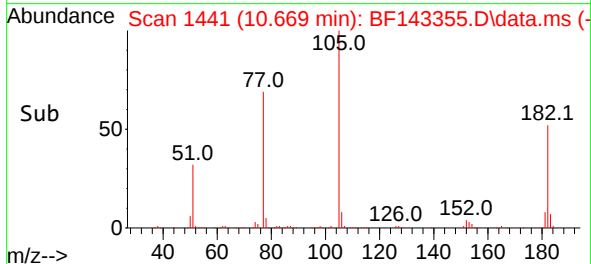
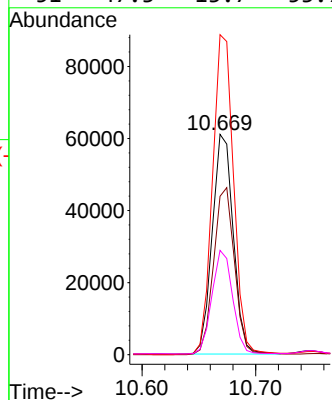
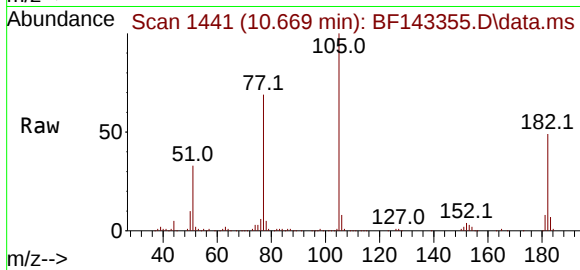
Ion Ratio Lower Upper

77 100

182 71.9 4.4 44.4#

105 145.3 1.8 41.8#

51 47.3 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1574

Delta R.T. -0.000 min

Lab File: BF143355.D

Acq: 12 Aug 2025 16:02

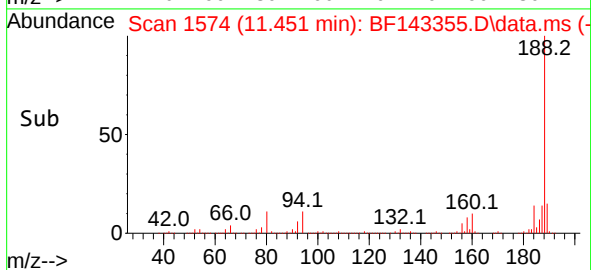
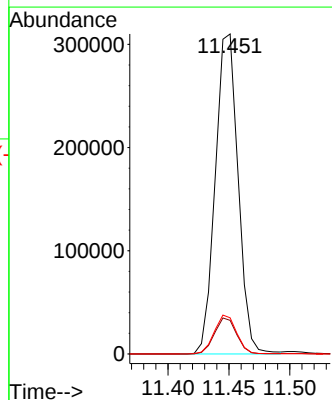
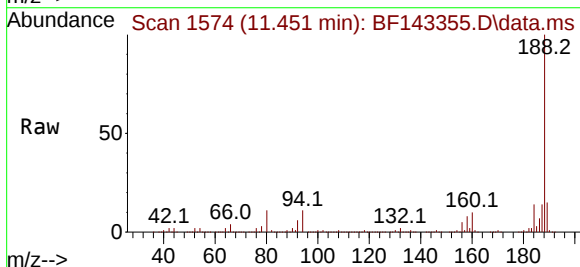
Tgt Ion:188 Resp: 405137

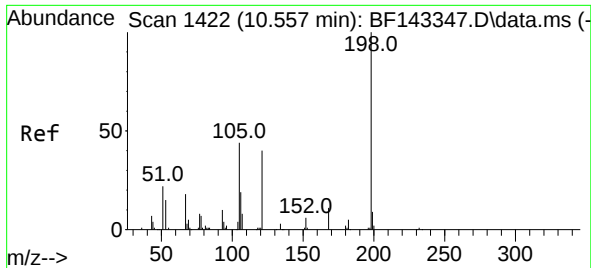
Ion Ratio Lower Upper

188 100

94 10.5 8.8 13.2

80 11.3 9.7 14.5

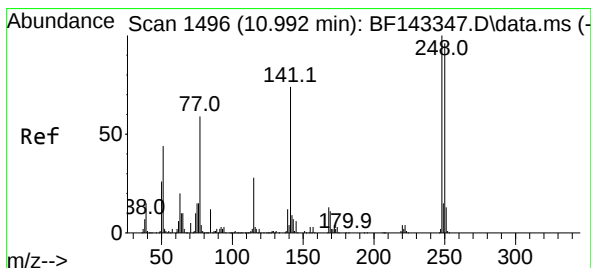
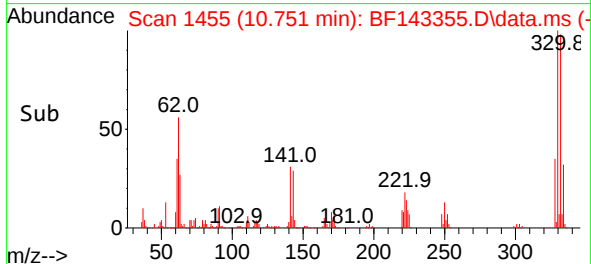
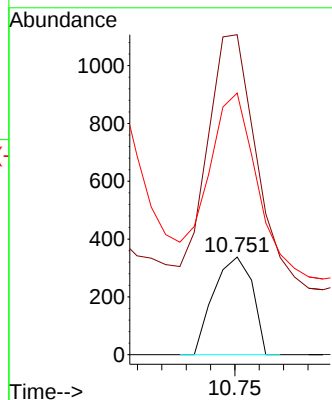
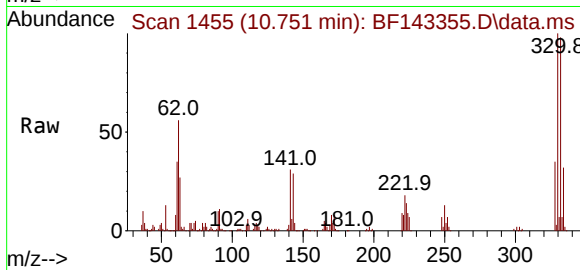




#65
4,6-Dinitro-2-methylphenol
Concen: 7.455 ng
RT: 10.751 min Scan# 1455
Delta R.T. 0.194 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

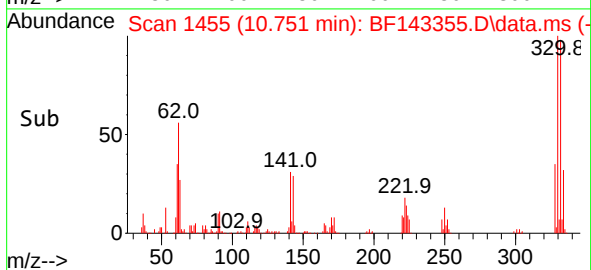
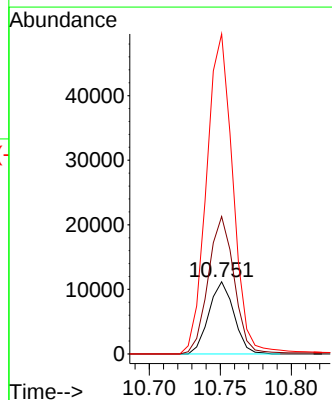
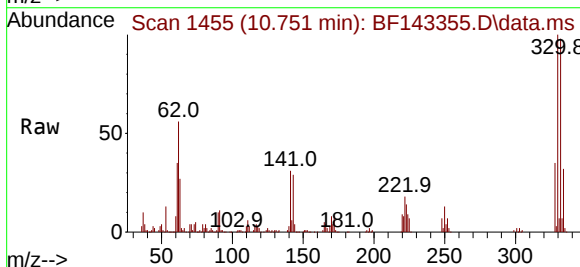
Instrument :
BNA_F
ClientSampleId :
COMP-4

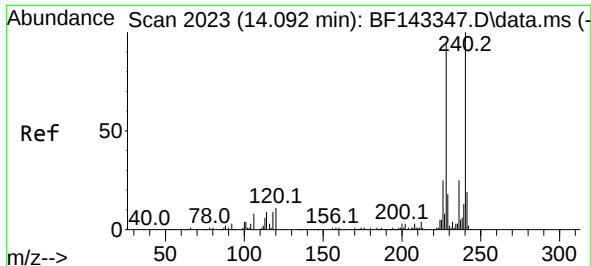
Tgt Ion:198 Resp: 375
Ion Ratio Lower Upper
198 100
51 327.5 41.7 81.7#
105 267.8 26.8 66.8#



#67
4-Bromophenyl-phenylether
Concen: 2.972 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.241 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Tgt Ion:248 Resp: 13769
Ion Ratio Lower Upper
248 100
250 190.3 77.1 115.7#
141 443.3 59.1 88.7#

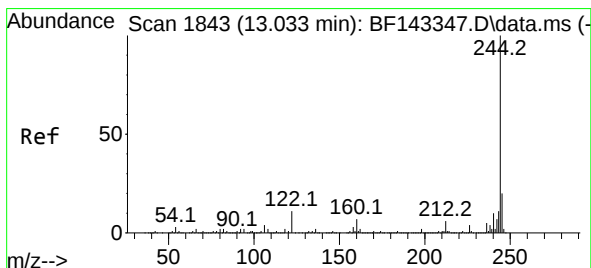
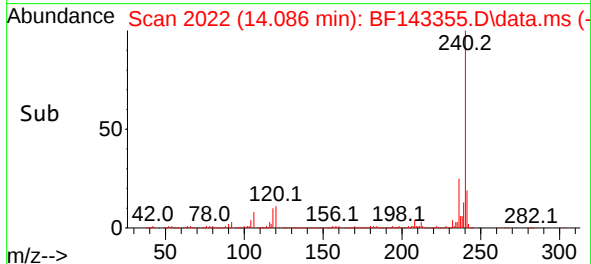
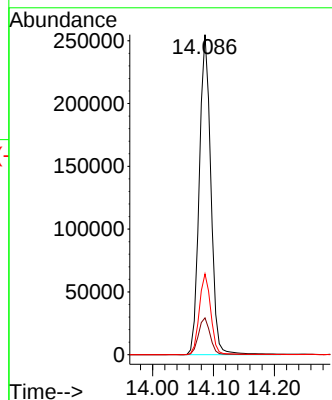
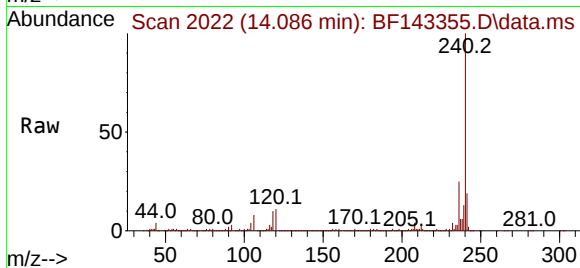




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

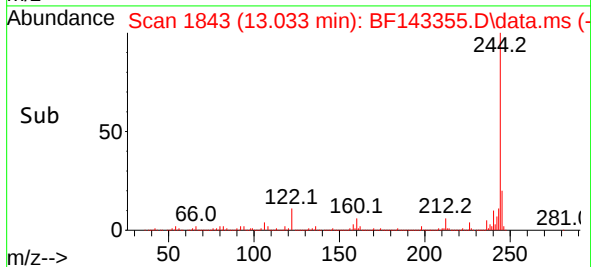
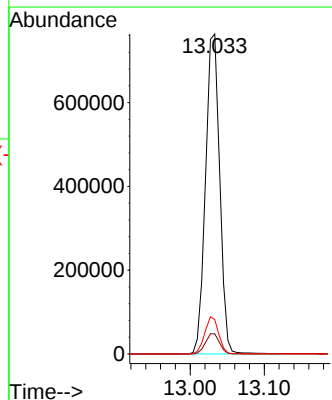
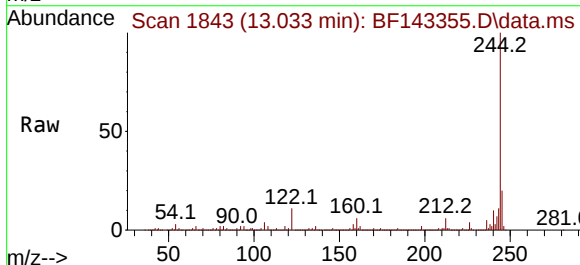
Instrument :
BNA_F
ClientSampleId :
COMP-4

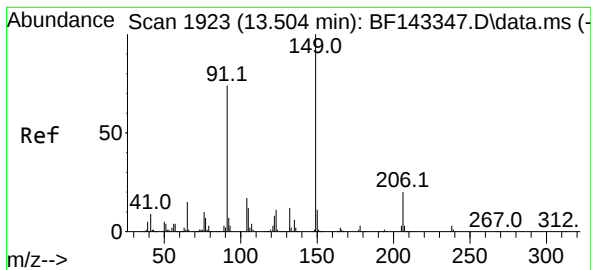
Tgt Ion:240 Resp: 334879
Ion Ratio Lower Upper
240 100
120 11.5 9.0 13.6
236 25.3 19.9 29.9



#79
Terphenyl-d14
Concen: 54.277 ng
RT: 13.033 min Scan# 1843
Delta R.T. -0.000 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Tgt Ion:244 Resp: 1018081
Ion Ratio Lower Upper
244 100
212 6.3 5.1 7.7
122 10.7 8.9 13.3





#80

Butylbenzylphthalate

Concen: 3.459 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BF143355.D

Acq: 12 Aug 2025 16:02

Instrument :

BNA_F

ClientSampleId :

COMP-4

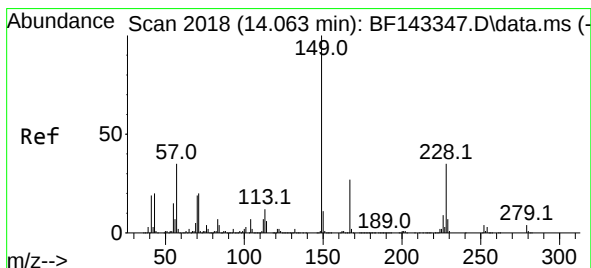
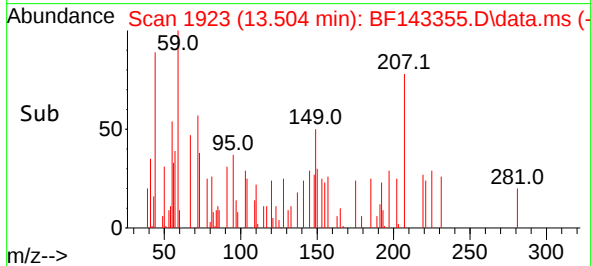
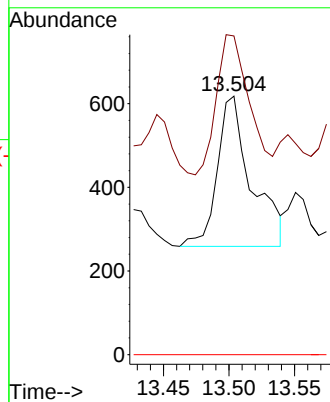
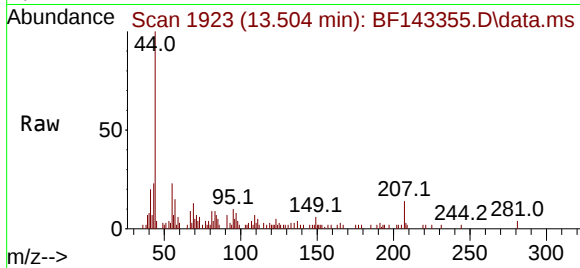
Tgt Ion:149 Resp: 648

Ion Ratio Lower Upper

149 100

91 123.3 58.8 88.2#

206 0.0 16.4 24.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.480 ng

RT: 14.062 min Scan# 2018

Delta R.T. -0.001 min

Lab File: BF143355.D

Acq: 12 Aug 2025 16:02

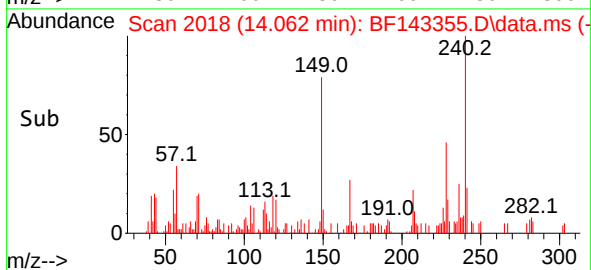
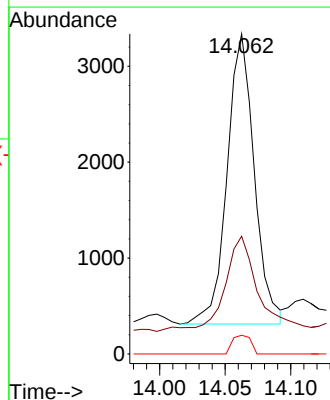
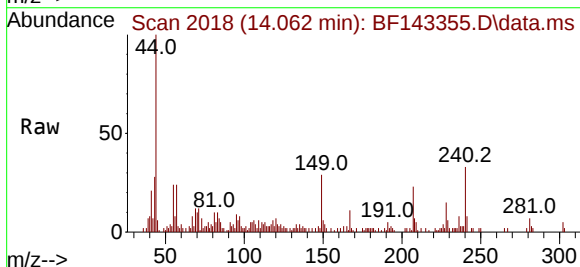
Tgt Ion:149 Resp: 4370

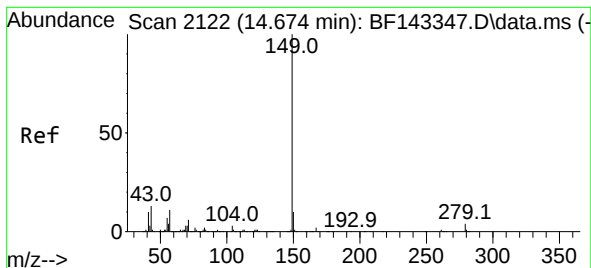
Ion Ratio Lower Upper

149 100

167 36.8 21.4 32.0#

279 5.8 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 6.133 ng

RT: 14.674 min Scan# 2122

Delta R.T. 0.000 min

Lab File: BF143355.D

Acq: 12 Aug 2025 16:02

Instrument :

BNA_F

ClientSampleId :

COMP-4

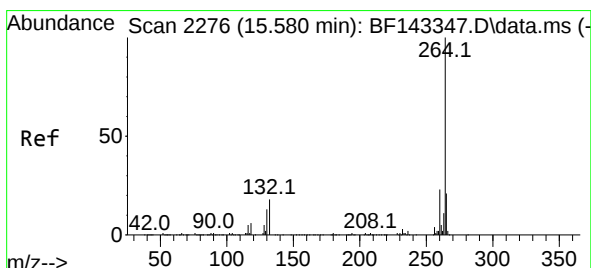
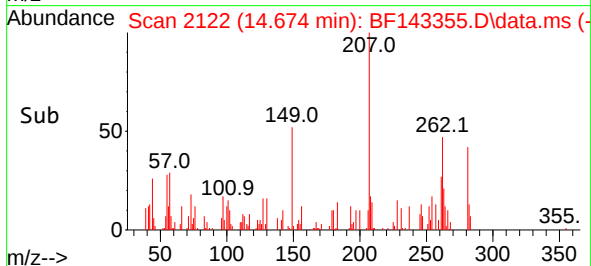
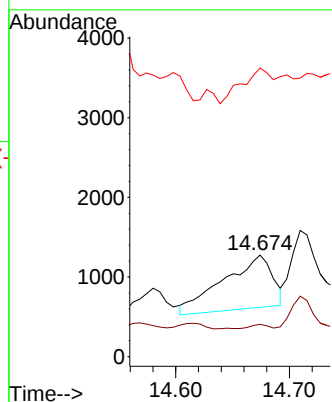
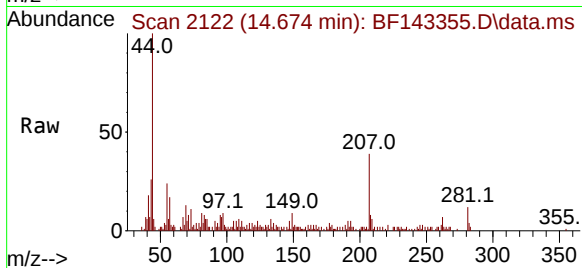
Tgt Ion:149 Resp: 2011

Ion Ratio Lower Upper

149 100

167 2.5 1.3 1.9#

43 40.5 10.8 16.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 2275

Delta R.T. -0.006 min

Lab File: BF143355.D

Acq: 12 Aug 2025 16:02

Tgt Ion:264 Resp: 409754

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.5 17.2 25.8

