

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143361.D
 Acq On : 12 Aug 2025 19:02
 Operator : RC/JU
 Sample : Q2830-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BIN0009-DRIVEWAY-TP-WEST

Quant Time: Aug 13 01:00:45 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)

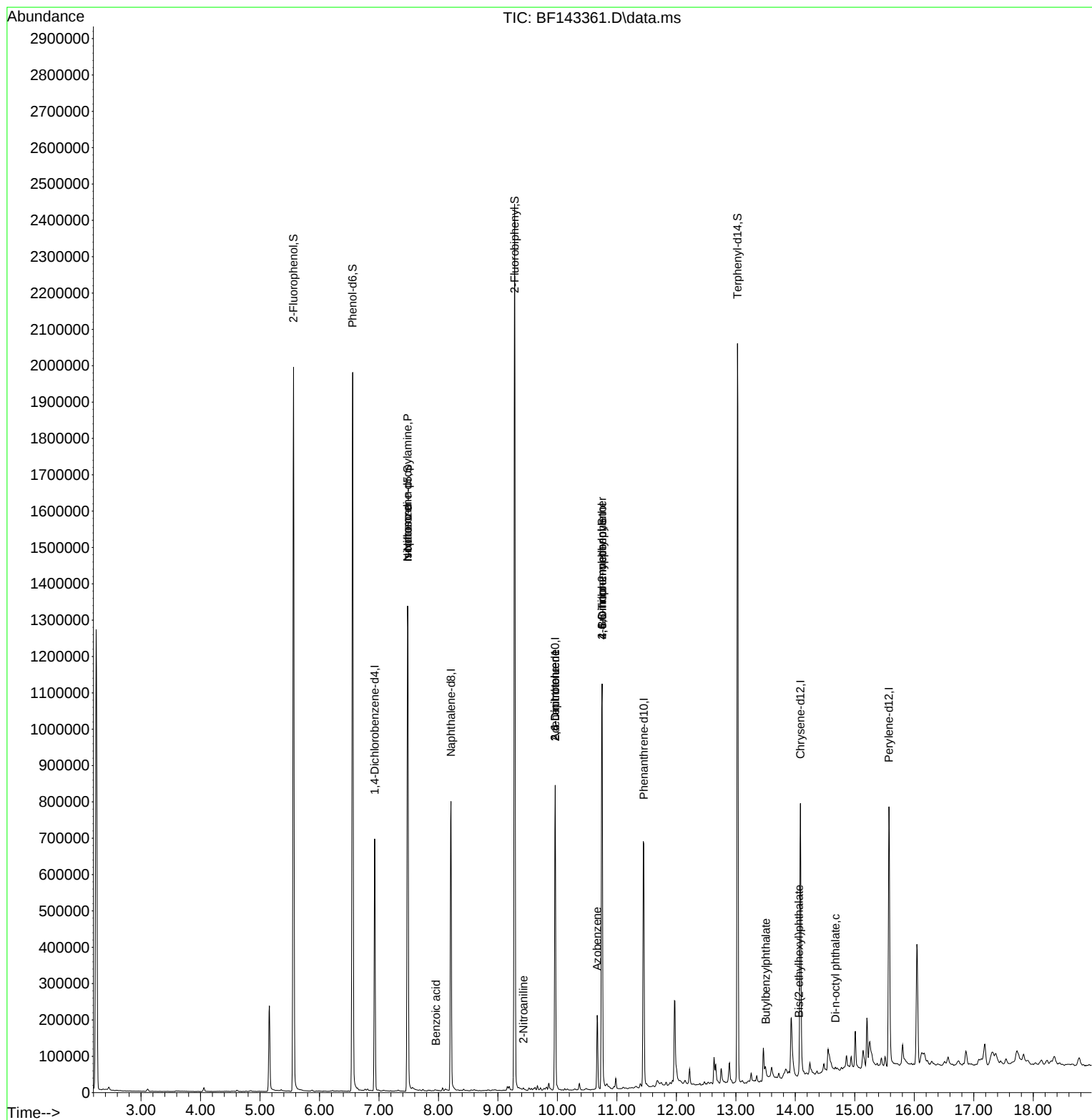
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	137387	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	501623	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	240514	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	355717	20.000	ng	0.00
76) Chrysene-d12	14.086	240	351748	20.000	ng	0.00
86) Perylene-d12	15.574	264	414901	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	704562	88.682	ng	0.00
7) Phenol-d6	6.557	99	892022	87.554	ng	0.00
23) Nitrobenzene-d5	7.481	82	597095	74.126	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	186533	106.122	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1035295	72.994	ng	0.00
79) Terphenyl-d14	13.027	244	986394	50.066	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.481	70	79094	12.564	ng	# 82
25) Isophorone	7.481	82	580287	35.288	ng	# 65
32) Benzoic acid	7.957	122	55	3.479	ng	# 66
48) 2-Nitroaniline	9.428	65	173	2.808	ng	# 6
51) 2,6-Dinitrotoluene	9.963	165	30629	13.769	ng	# 21
57) 2,4-Dinitrotoluene	9.963	165	30629	11.148	ng	# 20
63) Azobenzene	10.669	77	52780	3.671	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.751	198	362	7.475	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	12495	3.071	ng	# 1
80) Butylbenzylphthalate	13.504	149	979	3.507	ng	# 59
84) Bis(2-ethylhexyl)phtha...	14.063	149	5021	4.526	ng	# 87
85) Di-n-octyl phthalate	14.674	149	474	6.049	ng	# 1

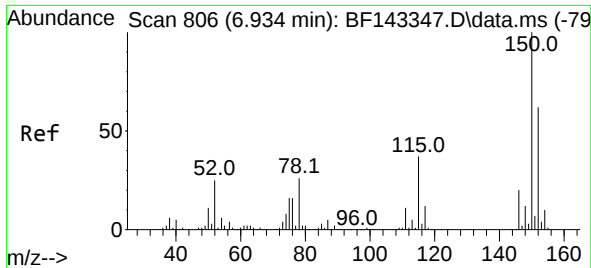
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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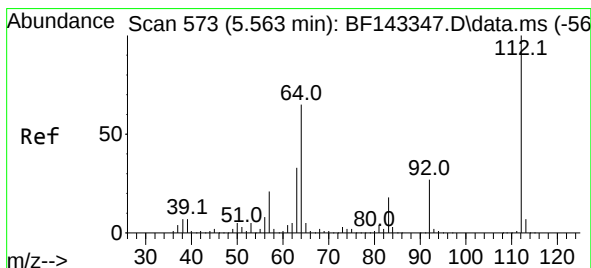
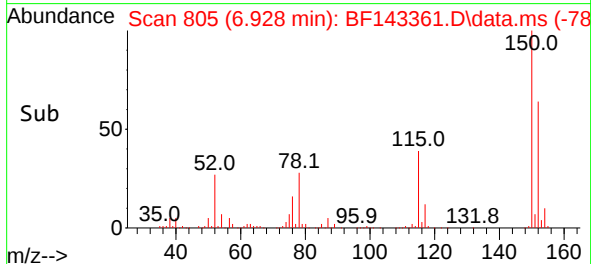
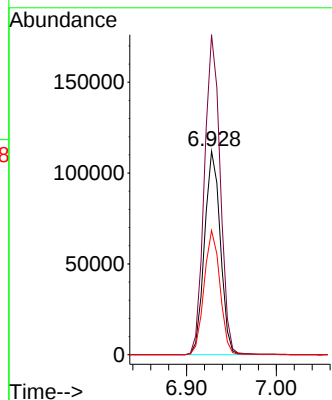
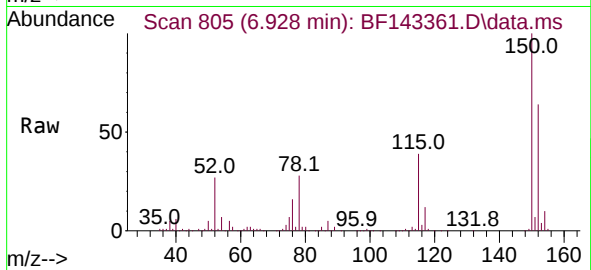




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 806
 Delta R.T. -0.006 min
 Lab File: BF143361.D
 Acq: 12 Aug 2025 19:02

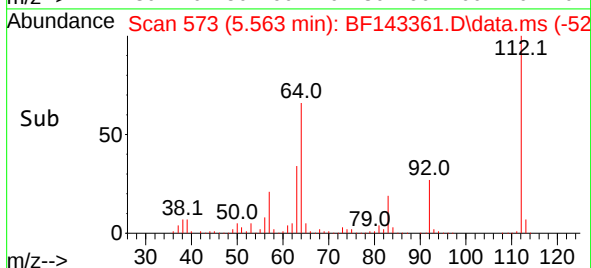
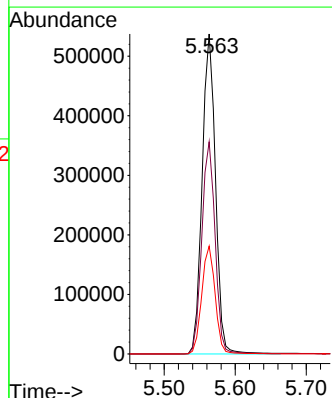
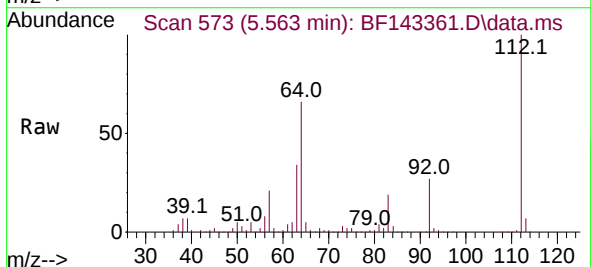
Instrument :
 BNA_F
 ClientSampleId :
 BIN0009-DRIVEWAY-TP-WEST

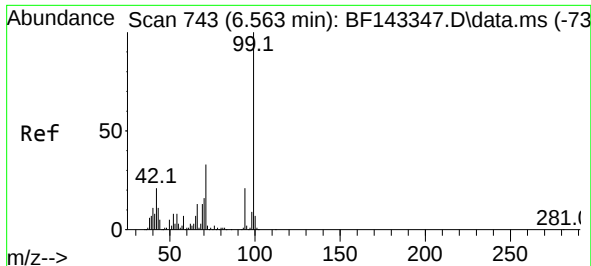
Tgt Ion:152 Resp: 137387
 Ion Ratio Lower Upper
 152 100
 150 157.2 129.8 194.8
 115 61.0 47.8 71.8



#5
 2-Fluorophenol
 Concen: 88.682 ng
 RT: 5.563 min Scan# 573
 Delta R.T. 0.000 min
 Lab File: BF143361.D
 Acq: 12 Aug 2025 19:02

Tgt Ion:112 Resp: 704562
 Ion Ratio Lower Upper
 112 100
 64 66.3 52.1 78.1
 63 33.7 26.6 39.8

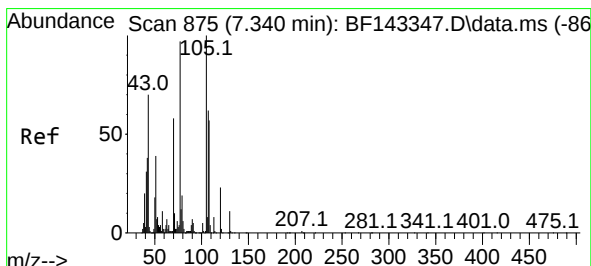
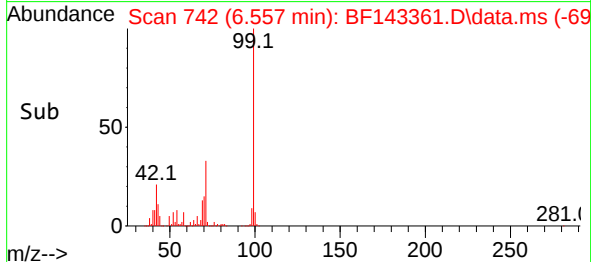
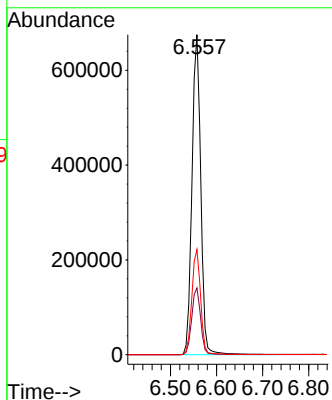
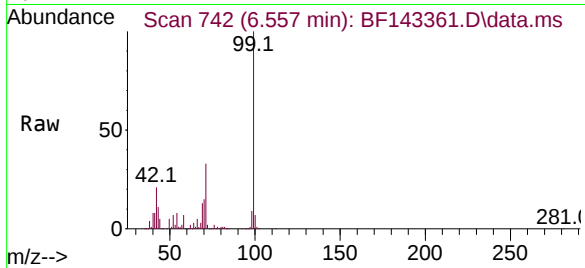




#7
Phenol-d6
Concen: 87.554 ng
RT: 6.557 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143361.D
Acq: 12 Aug 2025 19:02

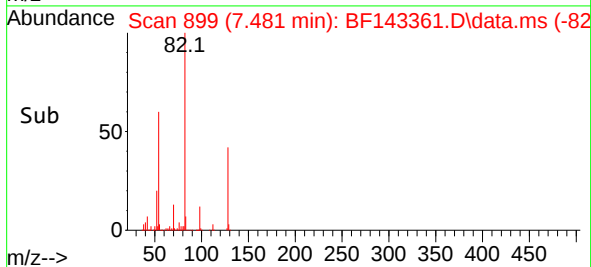
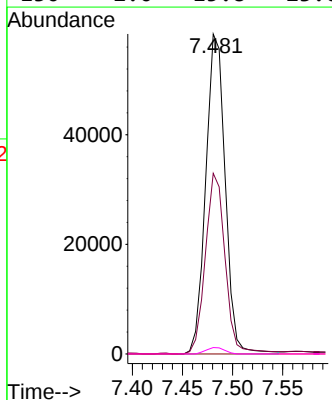
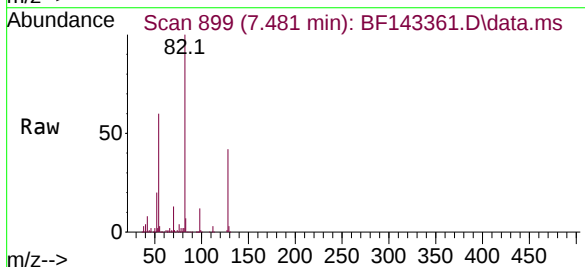
Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WEST

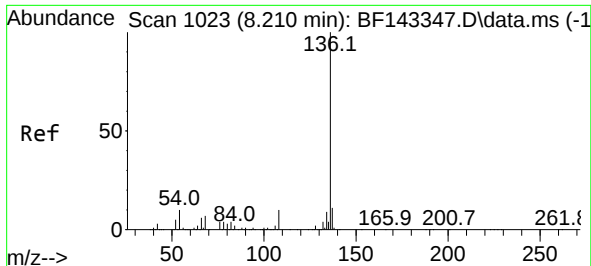
Tgt Ion: 99 Resp: 892022
Ion Ratio Lower Upper
99 100
42 20.9 16.6 25.0
71 32.8 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.564 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.141 min
Lab File: BF143361.D
Acq: 12 Aug 2025 19:02

Tgt Ion: 70 Resp: 79094
Ion Ratio Lower Upper
70 100
42 56.4 51.6 77.4
101 0.0 7.5 11.3#
130 2.0 15.8 23.6#

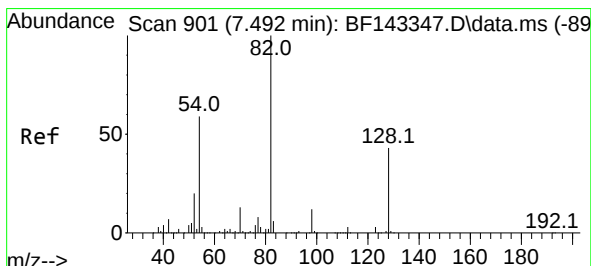
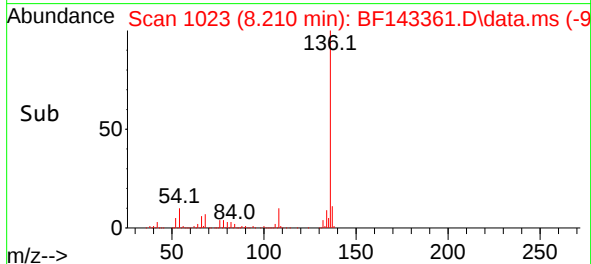
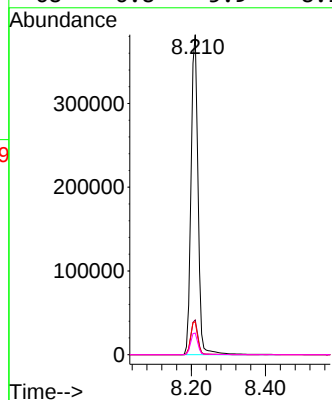
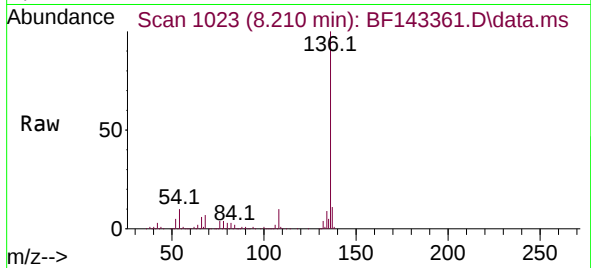




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143361.D
Acq: 12 Aug 2025 19:02

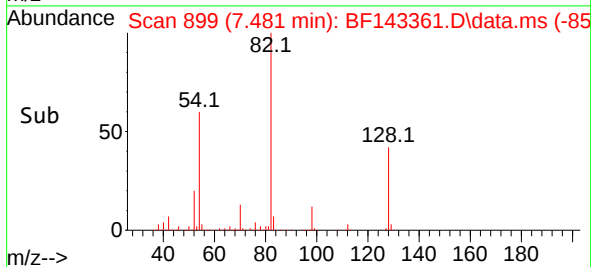
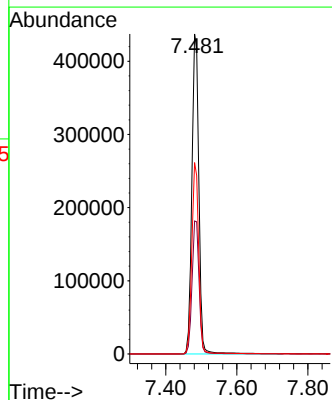
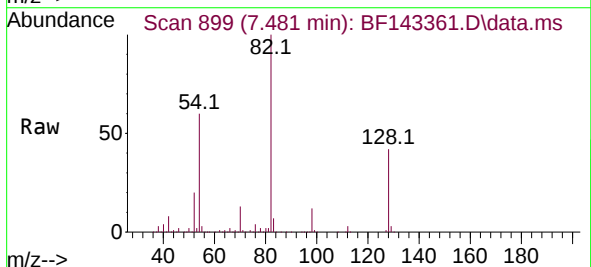
Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WEST

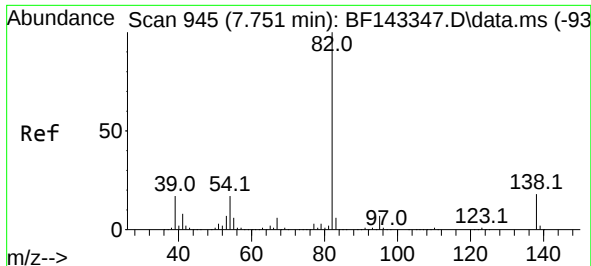
Tgt Ion:	136	Resp:	501623
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.2	8.4	12.6
68	6.8	5.9	8.9



#23
Nitrobenzene-d5
Concen: 74.126 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF143361.D
Acq: 12 Aug 2025 19:02

Tgt Ion:	82	Resp:	597095
Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.5	50.3
54	59.8	46.7	70.1

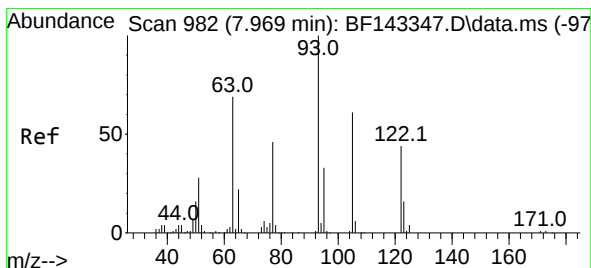
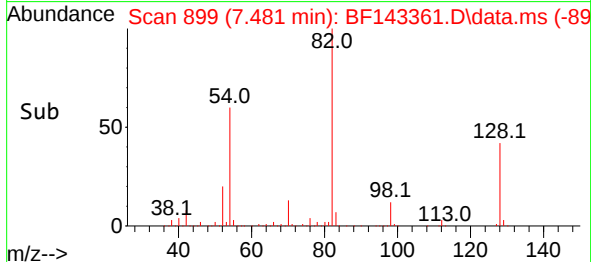
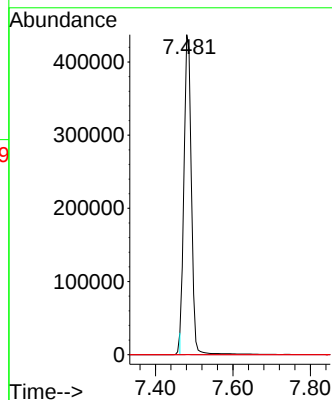
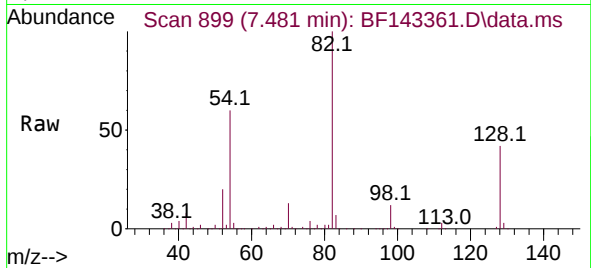




#25
Isophorone
Concen: 35.288 ng
RT: 7.481 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF143361.D
Acq: 12 Aug 2025 19:02

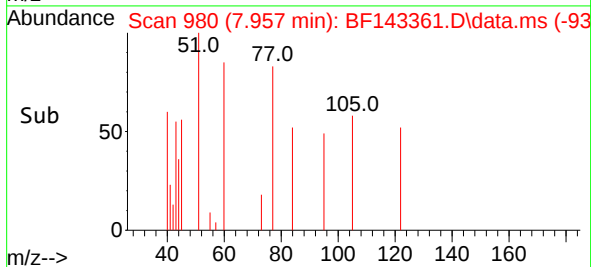
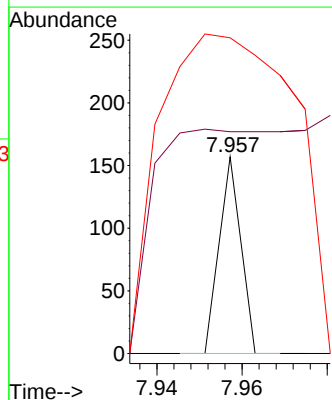
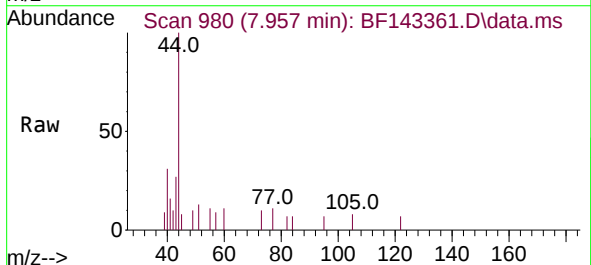
Instrument :
BNA_F
ClientSampleId :
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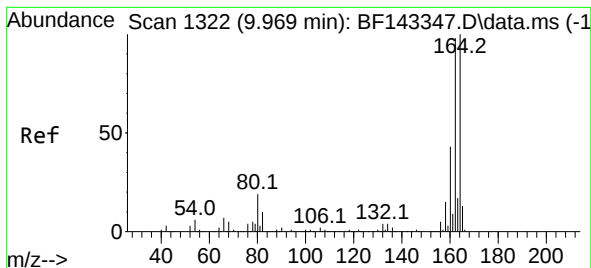
Tgt Ion: 82 Resp: 580287
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 3.479 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.012 min
Lab File: BF143361.D
Acq: 12 Aug 2025 19:02

Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 112.7 106.4 146.4
77 160.5 79.2 119.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143361.D

Acq: 12 Aug 2025 19:02

Instrument :

BNA_F

ClientSampleId :

BIN0009-DRIVEWAY-TP-WEST

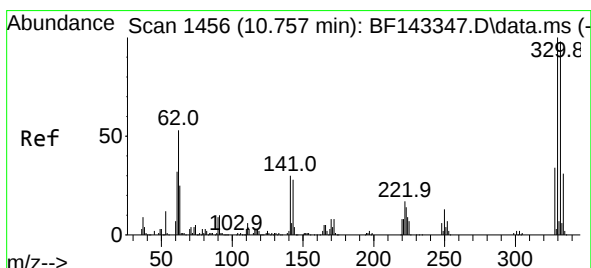
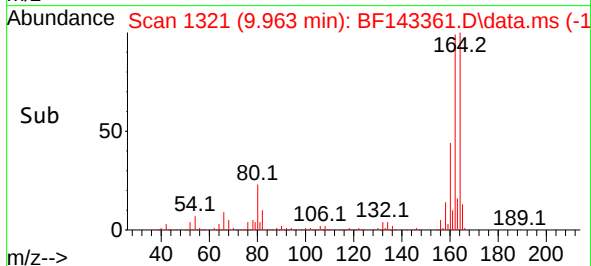
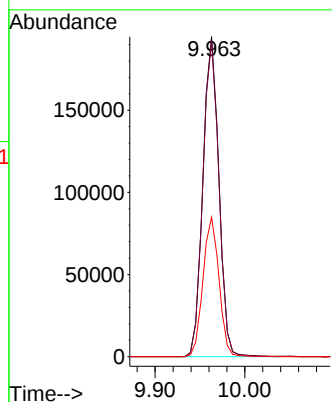
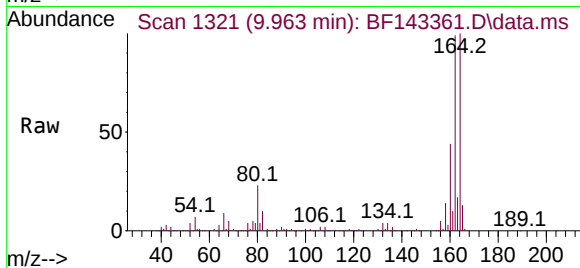
Tgt Ion:164 Resp: 240514

Ion Ratio Lower Upper

164 100

162 98.6 78.6 118.0

160 43.5 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 106.122 ng

RT: 10.751 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF143361.D

Acq: 12 Aug 2025 19:02

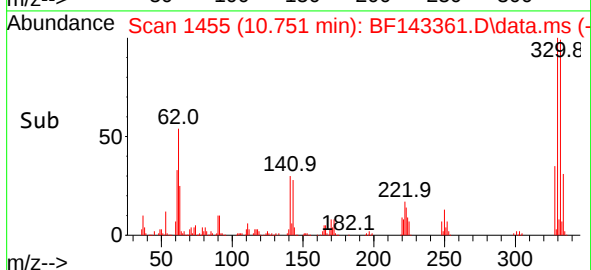
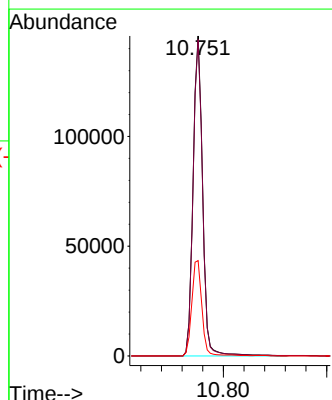
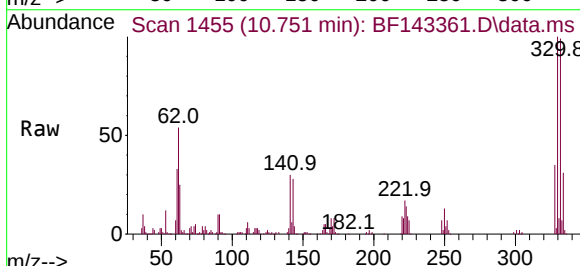
Tgt Ion:330 Resp: 186533

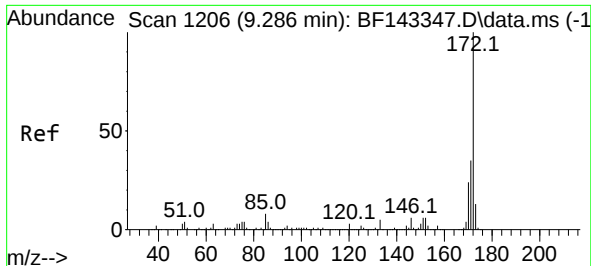
Ion Ratio Lower Upper

330 100

332 98.8 78.1 117.1

141 31.8 25.4 38.0

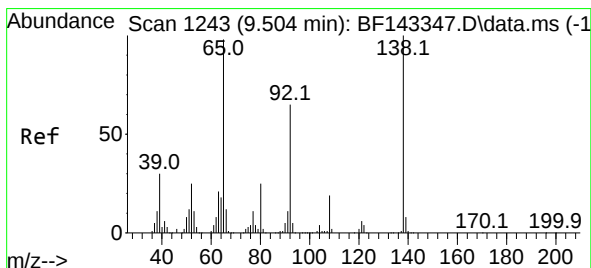
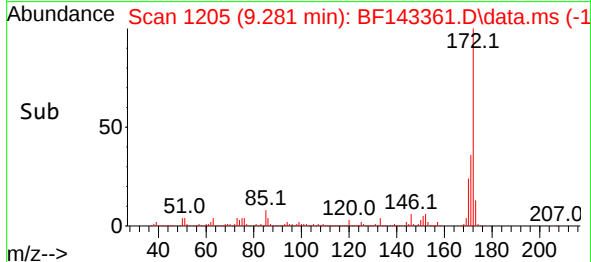
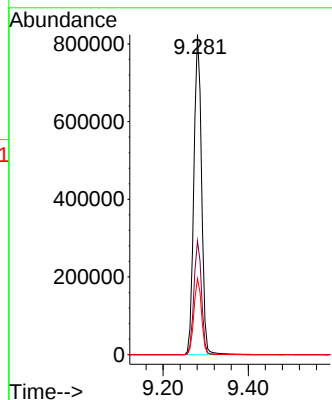
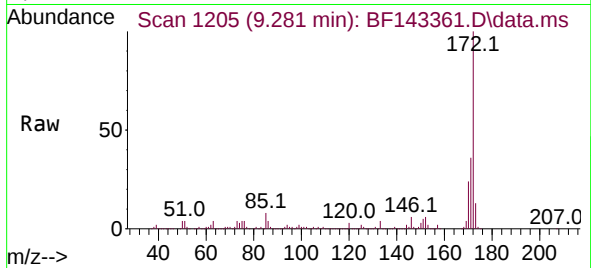




#45
2-Fluorobiphenyl
Concen: 72.994 ng
RT: 9.281 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143361.D
Acq: 12 Aug 2025 19:02

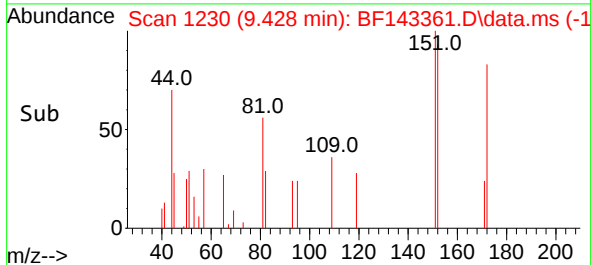
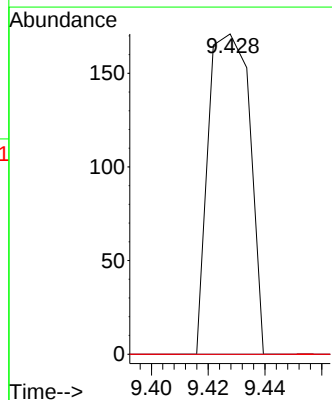
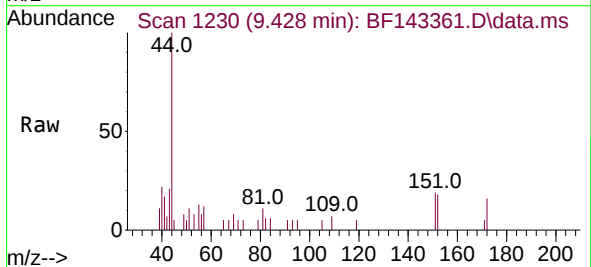
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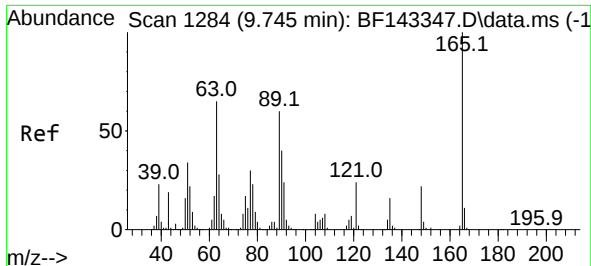
Tgt Ion:172 Resp: 1035295
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.8 19.1 28.7



#48
2-Nitroaniline
Concen: 2.808 ng
RT: 9.428 min Scan# 1230
Delta R.T. -0.076 min
Lab File: BF143361.D
Acq: 12 Aug 2025 19:02

Tgt Ion: 65 Resp: 173
Ion Ratio Lower Upper
65 100
92 0.0 53.1 79.7#
138 0.0 81.4 122.0#





#51

2,6-Dinitrotoluene

Concen: 13.769 ng

RT: 9.963 min Scan# 1

Delta R.T. 0.218 min

Lab File: BF143361.D

Acq: 12 Aug 2025 19:02

Instrument :

BNA_F

ClientSampleId :

BIN0009-DRIVEWAY-TP-WEST

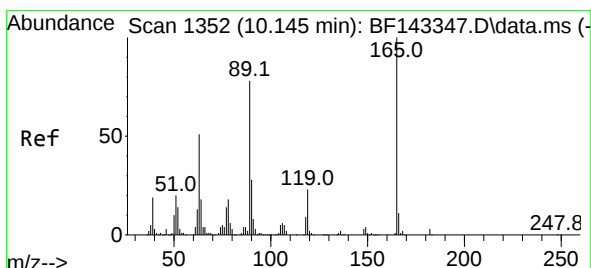
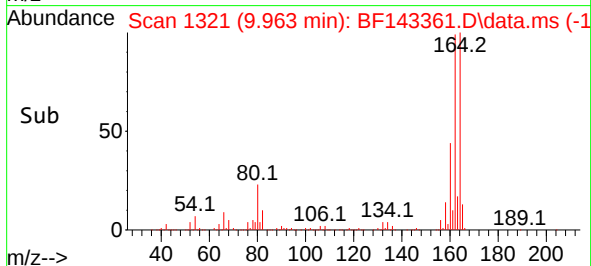
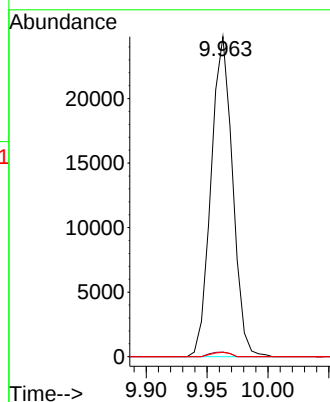
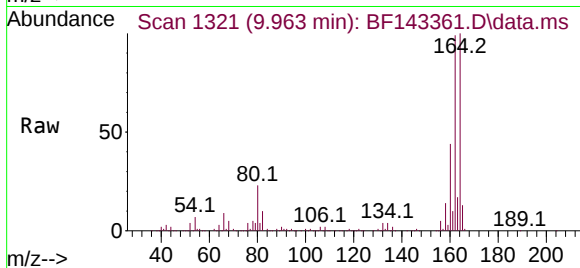
Tgt Ion:165 Resp: 30629

Ion Ratio Lower Upper

165 100

63 1.5 51.6 77.4#

89 1.3 47.7 71.5#



#57

2,4-Dinitrotoluene

Concen: 11.148 ng

RT: 9.963 min Scan# 1321

Delta R.T. -0.182 min

Lab File: BF143361.D

Acq: 12 Aug 2025 19:02

Tgt Ion:165 Resp: 30629

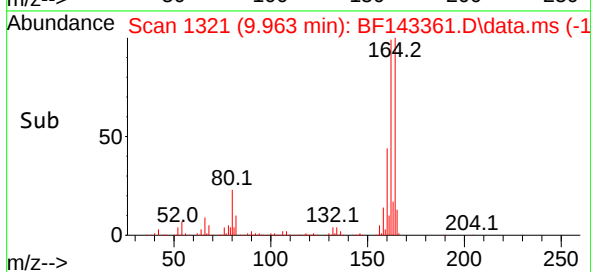
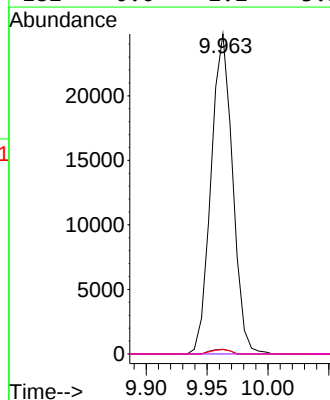
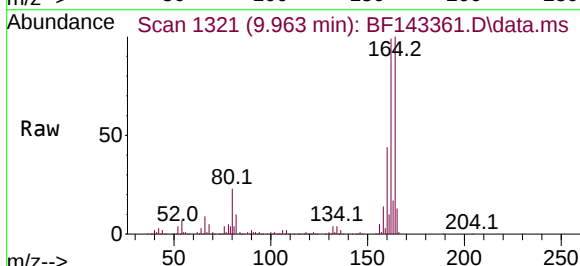
Ion Ratio Lower Upper

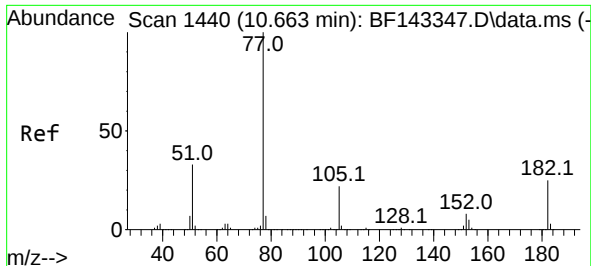
165 100

63 1.5 41.8 62.8#

89 1.3 62.4 93.6#

182 0.0 2.2 3.2#

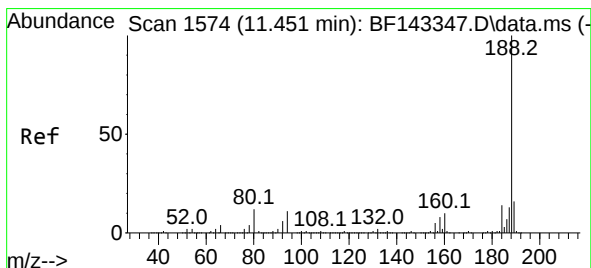
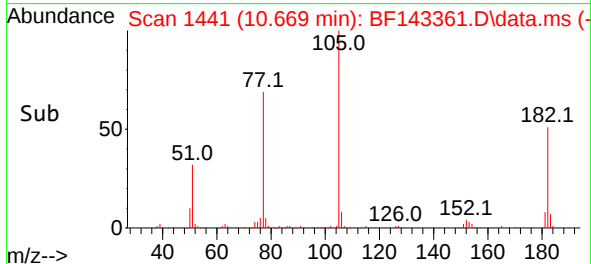
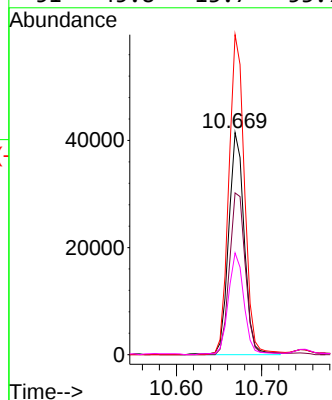
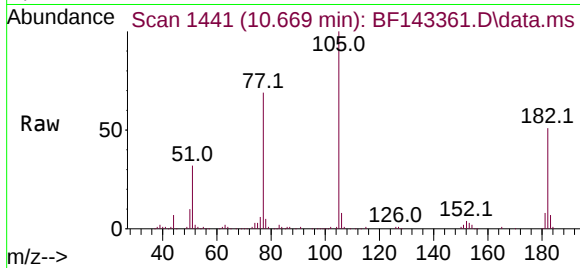




#63
 Azobenzene
 Concen: 3.671 ng
 RT: 10.669 min Scan# 1440
 Delta R.T. 0.006 min
 Lab File: BF143361.D
 Acq: 12 Aug 2025 19:02

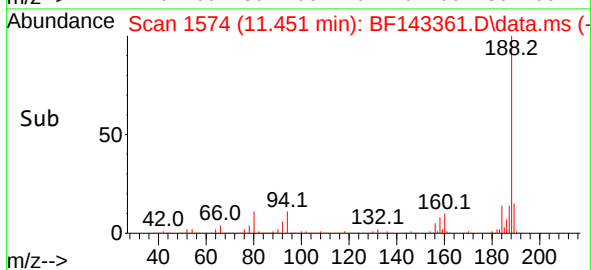
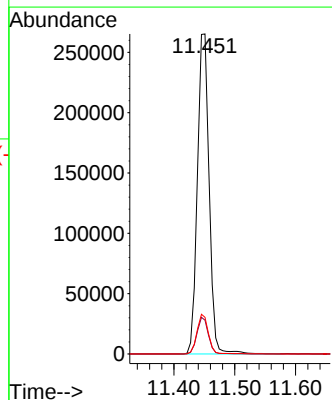
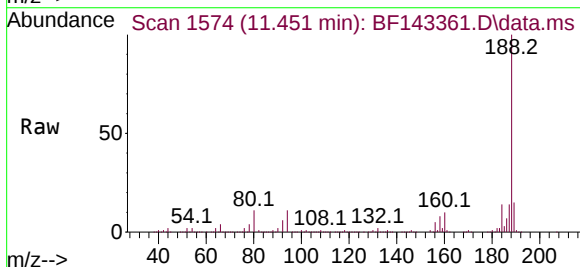
Instrument :
 BNA_F
 ClientSampleId :
 BIN0009-DRIVEWAY-TP-WEST

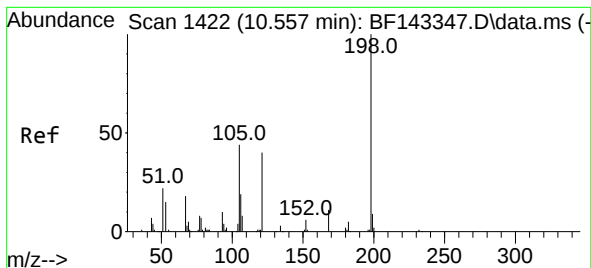
Tgt Ion: 77 Resp: 52780
 Ion Ratio Lower Upper
 77 100
 182 72.9 4.4 44.4#
 105 144.1 1.8 41.8#
 51 45.8 13.7 53.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.451 min Scan# 1574
 Delta R.T. 0.000 min
 Lab File: BF143361.D
 Acq: 12 Aug 2025 19:02

Tgt Ion: 188 Resp: 355717
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.8 13.2
 80 11.4 9.7 14.5

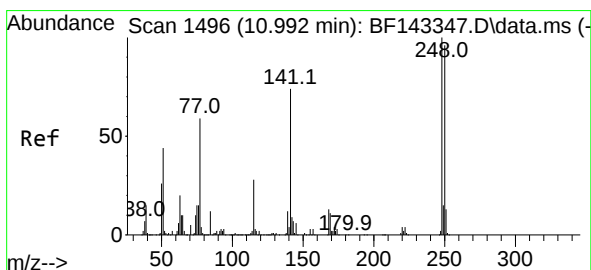
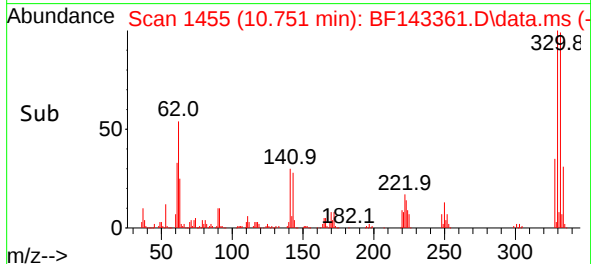
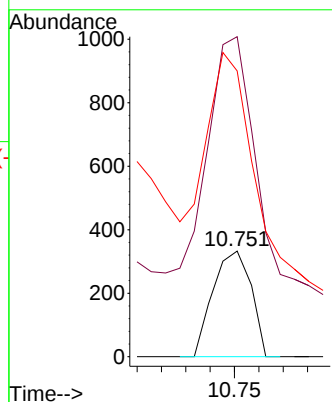
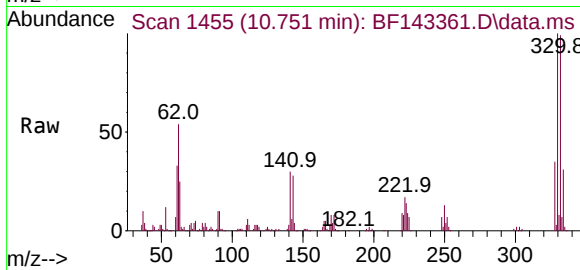




#65
4,6-Dinitro-2-methylphenol
Concen: 7.475 ng
RT: 10.751 min Scan# 1422
Delta R.T. 0.194 min
Lab File: BF143361.D
Acq: 12 Aug 2025 19:02

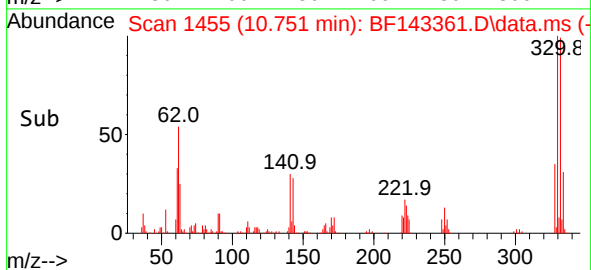
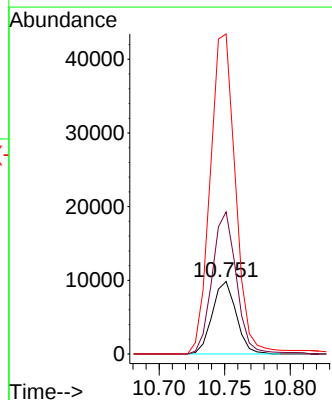
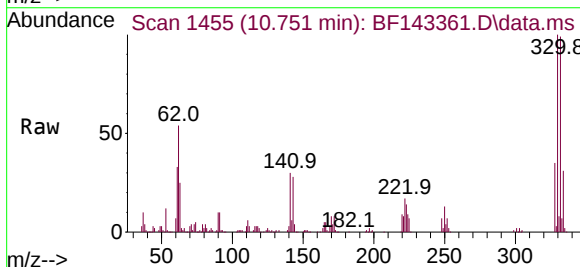
Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WEST

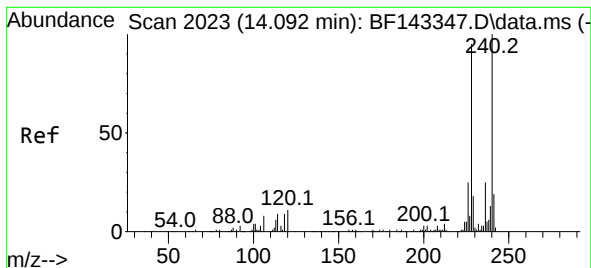
Tgt Ion:	198	Resp:	362
Ion	Ratio	Lower	Upper
198	100		
51	302.7	41.7	81.7#
105	270.3	26.8	66.8#



#67
4-Bromophenyl-phenylether
Concen: 3.071 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.241 min
Lab File: BF143361.D
Acq: 12 Aug 2025 19:02

Tgt Ion:	248	Resp:	12495
Ion	Ratio	Lower	Upper
248	100		
250	196.0	77.1	115.7#
141	441.6	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: BF143361.D

Acq: 12 Aug 2025 19:02

Instrument :

BNA_F

ClientSampleId :

BIN0009-DRIVEWAY-TP-WEST

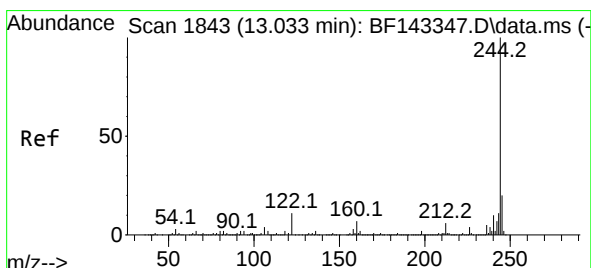
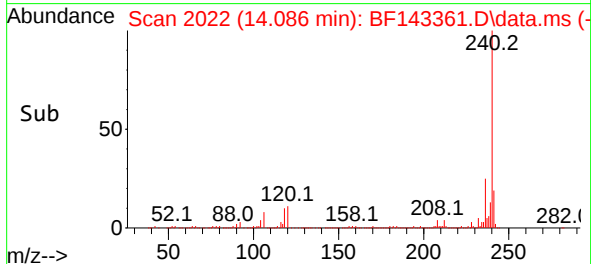
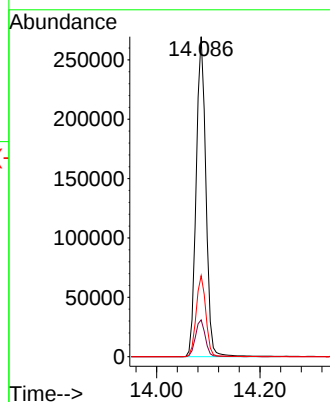
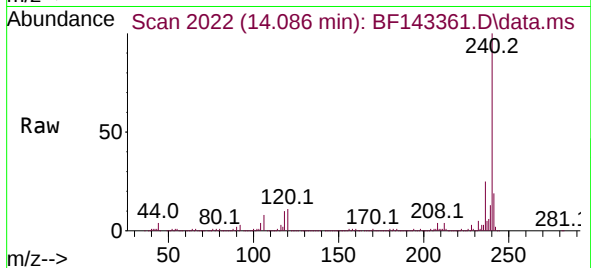
Tgt Ion:240 Resp: 351748

Ion Ratio Lower Upper

240 100

120 11.5 9.0 13.6

236 25.3 19.9 29.9



#79

Terphenyl-d14

Concen: 50.066 ng

RT: 13.027 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF143361.D

Acq: 12 Aug 2025 19:02

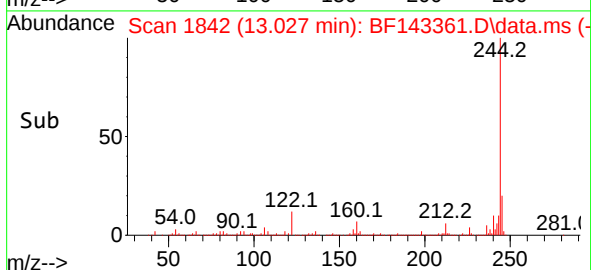
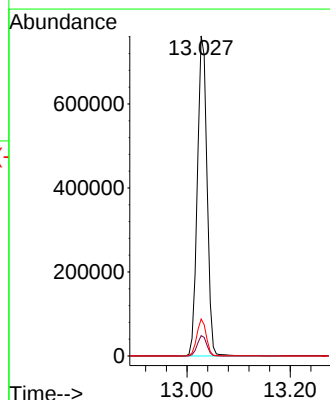
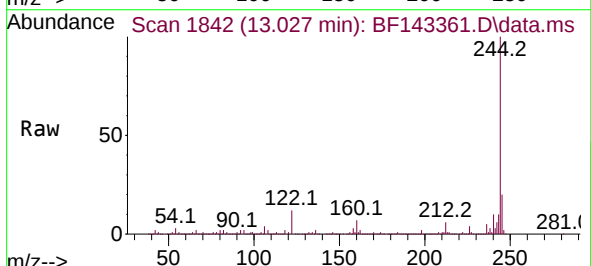
Tgt Ion:244 Resp: 986394

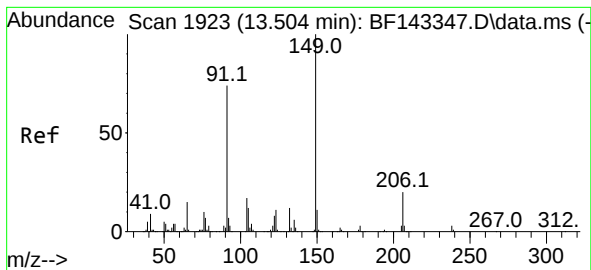
Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 11.6 8.9 13.3





#80

Butylbenzylphthalate

Concen: 3.507 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BF143361.D

Acq: 12 Aug 2025 19:02

Instrument :

BNA_F

ClientSampleId :

BIN0009-DRIVEWAY-TP-WEST

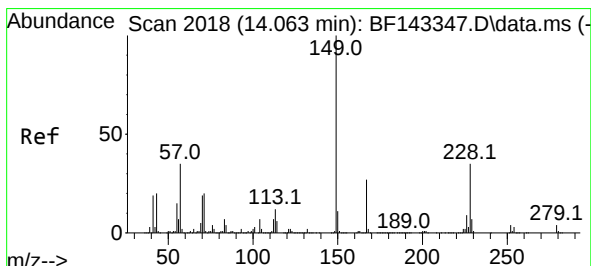
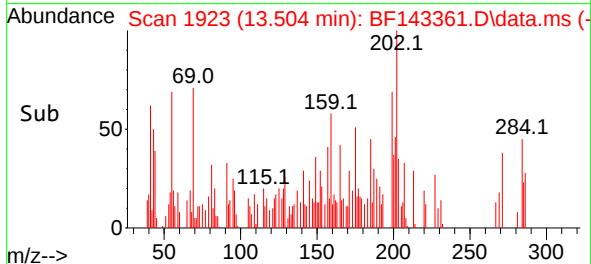
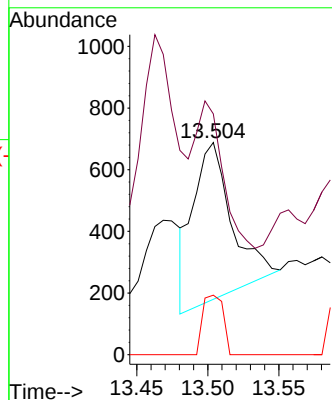
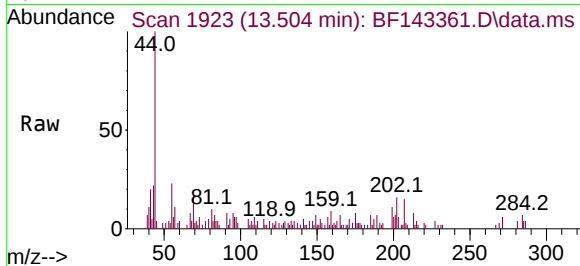
Tgt Ion:149 Resp: 979

Ion Ratio Lower Upper

149 100

91 113.5 58.8 88.2#

206 28.1 16.4 24.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.526 ng

RT: 14.063 min Scan# 1818

Delta R.T. -0.000 min

Lab File: BF143361.D

Acq: 12 Aug 2025 19:02

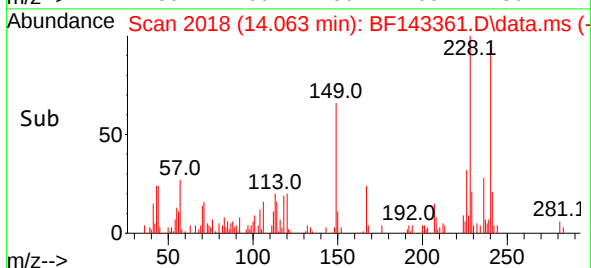
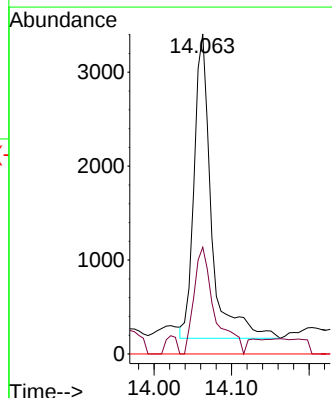
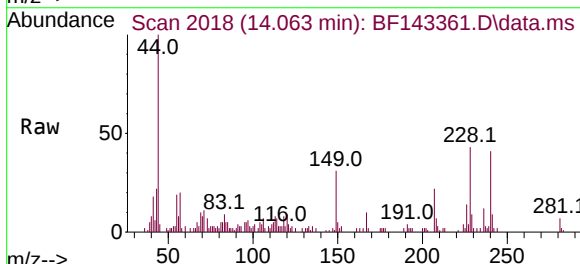
Tgt Ion:149 Resp: 5021

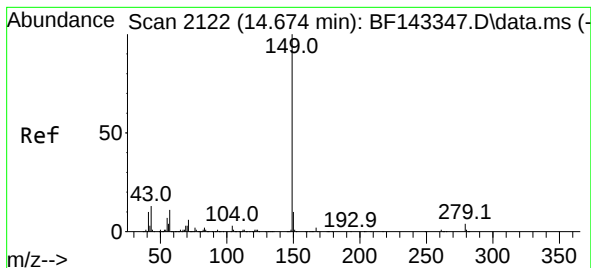
Ion Ratio Lower Upper

149 100

167 33.3 21.4 32.0#

279 0.0 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 6.049 ng

RT: 14.674 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143361.D

Acq: 12 Aug 2025 19:02

Instrument :

BNA_F

ClientSampleId :

BIN0009-DRIVEWAY-TP-WEST

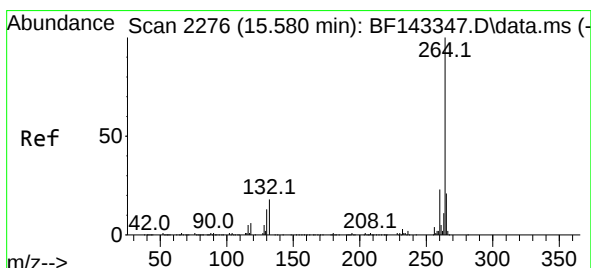
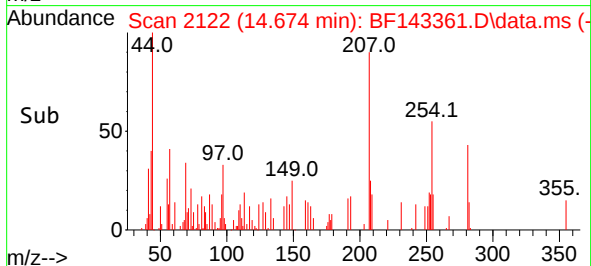
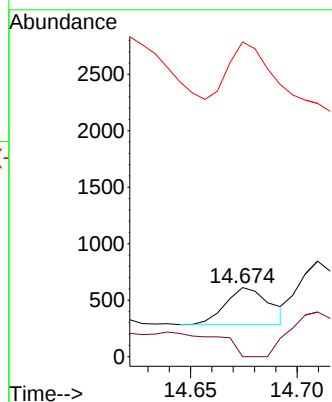
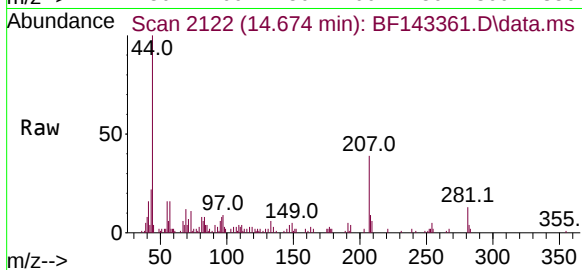
Tgt Ion:149 Resp: 474

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 266.0 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: BF143361.D

Acq: 12 Aug 2025 19:02

Tgt Ion:264 Resp: 414901

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 22.0 17.2 25.8

