

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
 Data File : BF143373.D
 Acq On : 13 Aug 2025 14:11
 Operator : RC/JU
 Sample : Q2827-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Quant Time: Aug 13 14:32:25 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

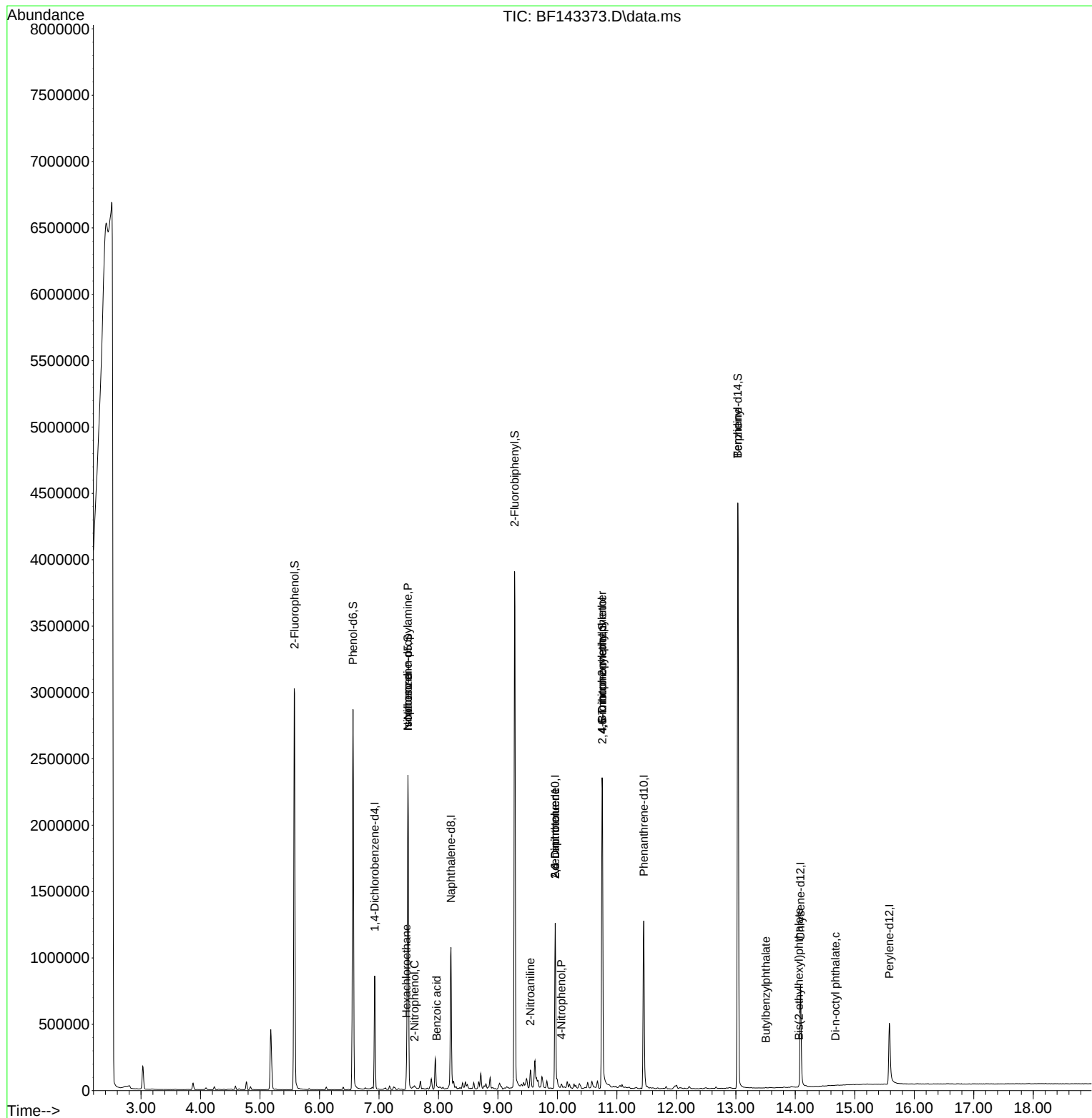
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	174108	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	670714	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	379214	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	649011	20.000	ng	0.00
76) Chrysene-d12	14.086	240	441865	20.000	ng	0.00
86) Perylene-d12	15.580	264	377092	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1181434	117.341	ng	0.02
7) Phenol-d6	6.563	99	1380750	106.940	ng	0.00
23) Nitrobenzene-d5	7.487	82	1056561	98.098	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	488018	176.092	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1872645	83.740	ng	0.00
79) Terphenyl-d14	13.033	244	2358587	95.298	ng	0.00
Target Compounds						
18) Hexachloroethane	7.463	117	10184	2.608	ng	# 1
19) n-Nitroso-di-n-propyla...	7.487	70	145052	18.182	ng	# 80
25) Isophorone	7.487	82	1026681	46.694	ng	# 65
26) 2-Nitrophenol	7.598	139	150	3.672	ng	# 32
32) Benzoic acid	7.969	122	5248	5.069	ng	# 96
48) 2-Nitroaniline	9.545	65	1576	3.010	ng	# 6
51) 2,6-Dinitrotoluene	9.963	165	51629	14.516	ng	# 21
56) 4-Nitrophenol	10.069	139	1003	5.734	ng	# 39
57) 2,4-Dinitrotoluene	9.963	165	51754	11.731	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.751	198	951	7.568	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	31245	4.209	ng	# 1
77) Benzidine	13.033	184	26889	2.226	ng	# 94
80) Butylbenzylphthalate	13.504	149	1049	3.484	ng	# 77
84) Bis(2-ethylhexyl)phtha...	14.063	149	5480	4.456	ng	# 99
85) Di-n-octyl phthalate	14.674	149	331	6.038	ng	# 1

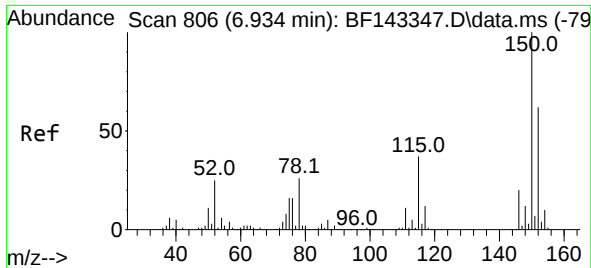
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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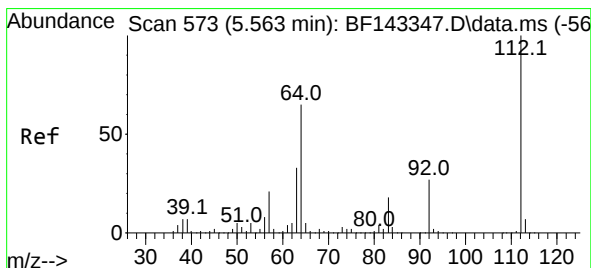
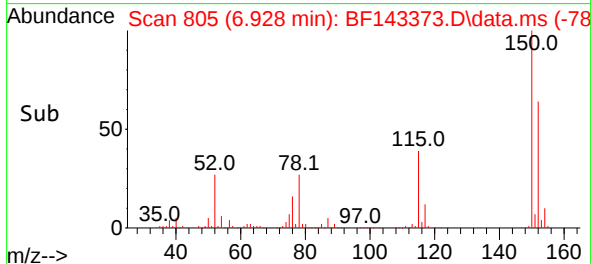
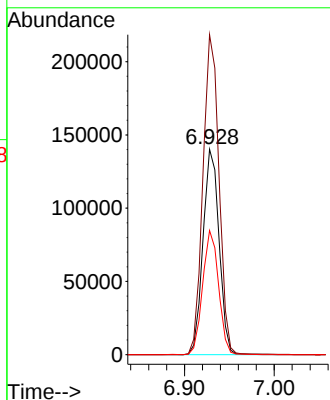
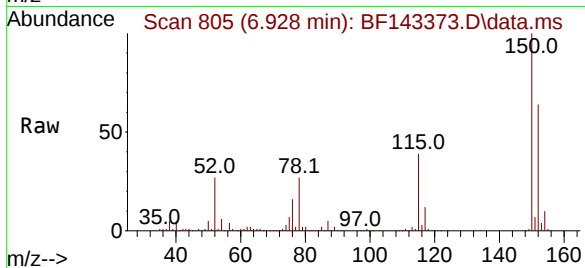




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 806
 Delta R.T. -0.006 min
 Lab File: BF143373.D
 Acq: 13 Aug 2025 14:11

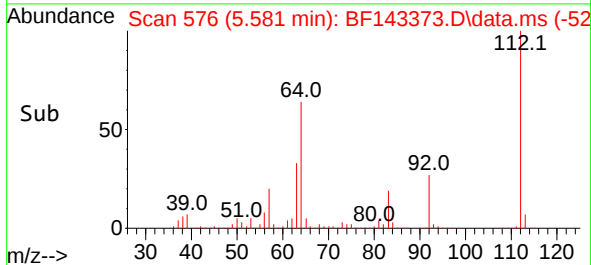
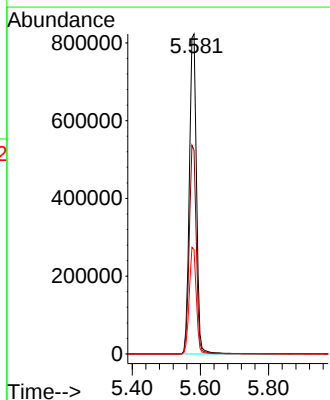
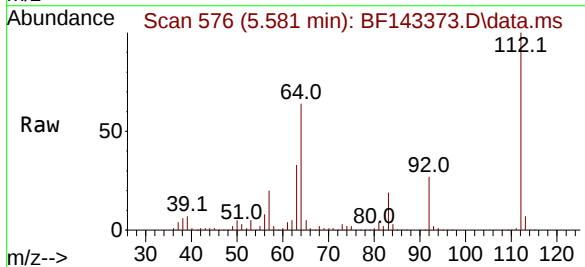
Instrument :
 BNA_F
 ClientSampleId :
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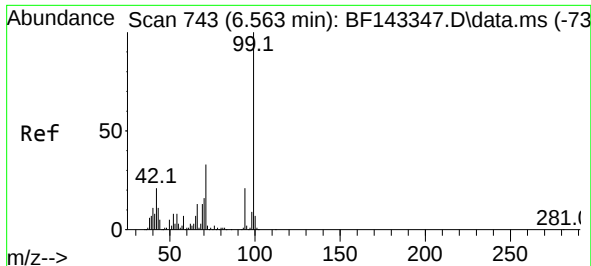
Tgt Ion:152 Resp: 174108
 Ion Ratio Lower Upper
 152 100
 150 155.8 129.8 194.8
 115 60.4 47.8 71.8



#5
 2-Fluorophenol
 Concen: 117.341 ng
 RT: 5.581 min Scan# 576
 Delta R.T. 0.018 min
 Lab File: BF143373.D
 Acq: 13 Aug 2025 14:11

Tgt Ion:112 Resp: 1181434
 Ion Ratio Lower Upper
 112 100
 64 63.7 52.1 78.1
 63 32.6 26.6 39.8

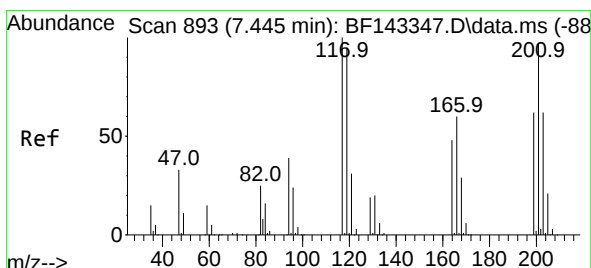
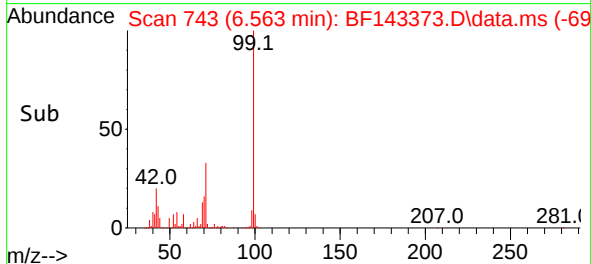
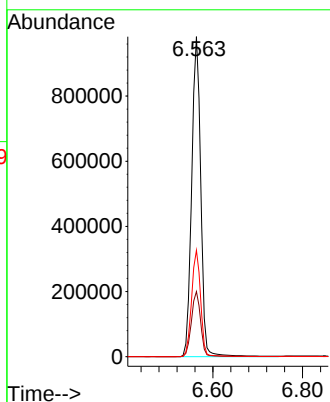
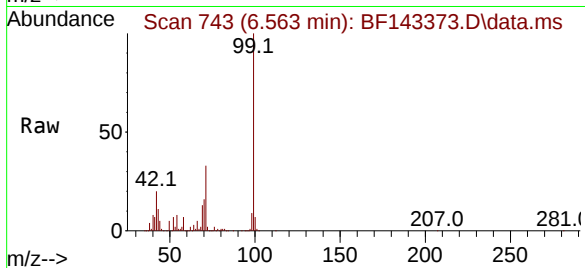




#7
Phenol-d6
Concen: 106.940 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143373.D
Acq: 13 Aug 2025 14:11

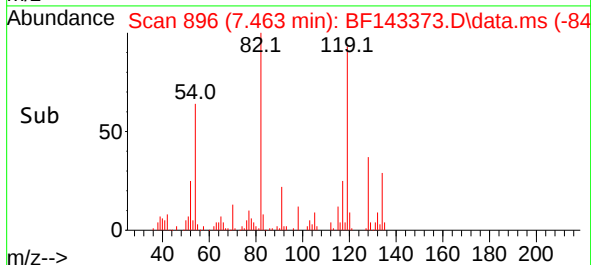
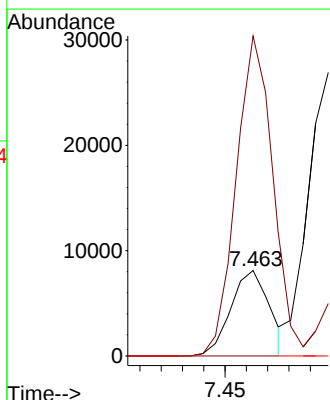
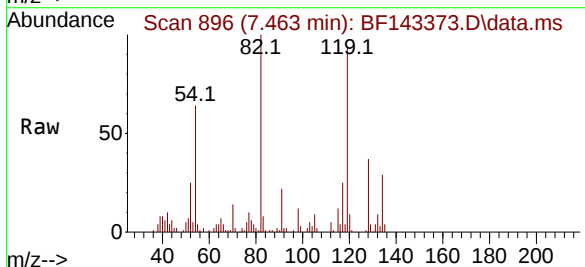
Instrument :
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ClientSampleId :
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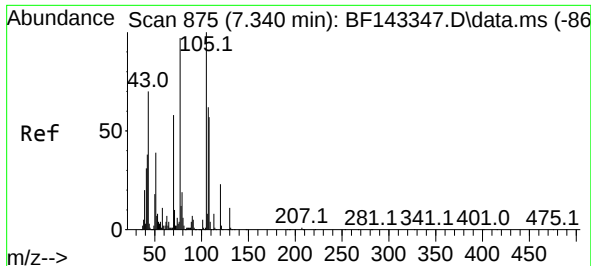
Tgt Ion: 99 Resp: 1380750
Ion Ratio Lower Upper
99 100
42 20.3 16.6 25.0
71 33.2 26.2 39.2



#18
Hexachloroethane
Concen: 2.608 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.018 min
Lab File: BF143373.D
Acq: 13 Aug 2025 14:11

Tgt Ion: 117 Resp: 10184
Ion Ratio Lower Upper
117 100
119 374.7 75.8 113.8#
201 0.0 77.2 115.8#

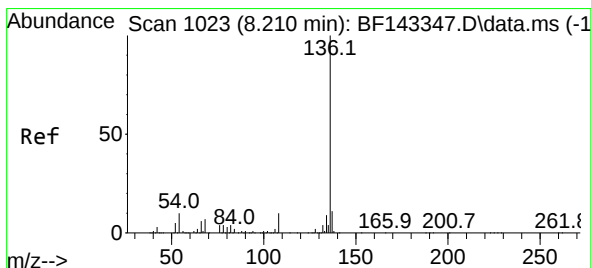
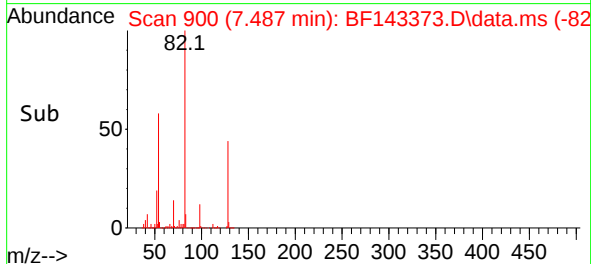
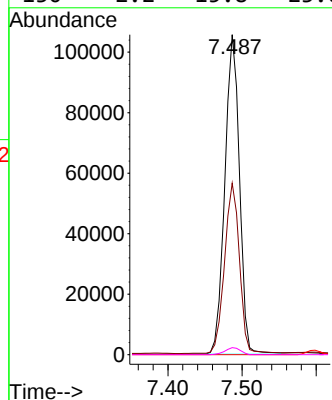
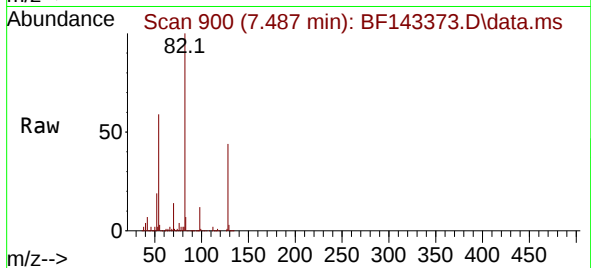




#19
n-Nitroso-di-n-propylamine
Concen: 18.182 ng
RT: 7.487 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF143373.D
Acq: 13 Aug 2025 14:11

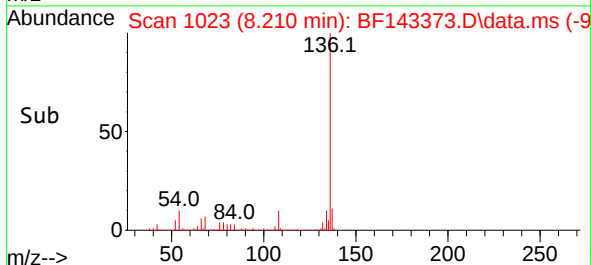
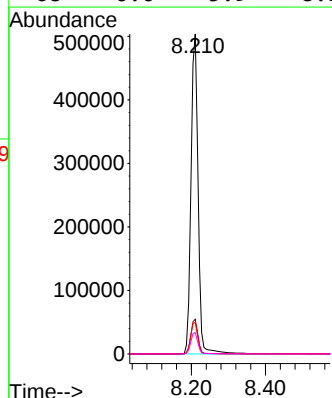
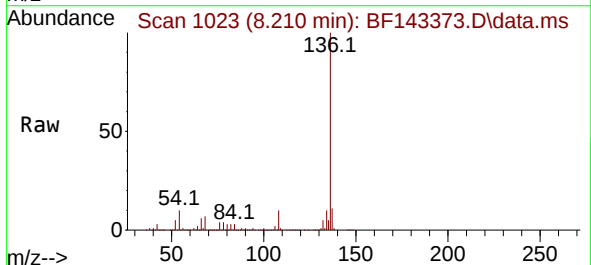
Instrument :
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ClientSampleId :
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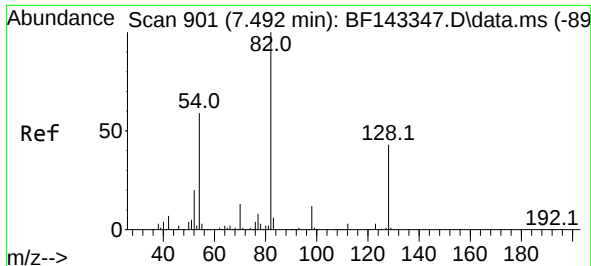
Tgt Ion: 70 Resp: 145052
Ion Ratio Lower Upper
70 100
42 53.6 51.6 77.4
101 0.0 7.5 11.3#
130 2.2 15.8 23.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143373.D
Acq: 13 Aug 2025 14:11

Tgt Ion: 136 Resp: 670714
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.8 8.4 12.6
68 6.6 5.9 8.9





#23

Nitrobenzene-d5

Concen: 98.098 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF143373.D

Acq: 13 Aug 2025 14:11

Instrument :

BNA_F

ClientSampleId :

TP-9

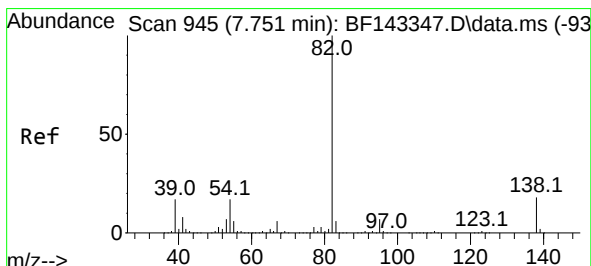
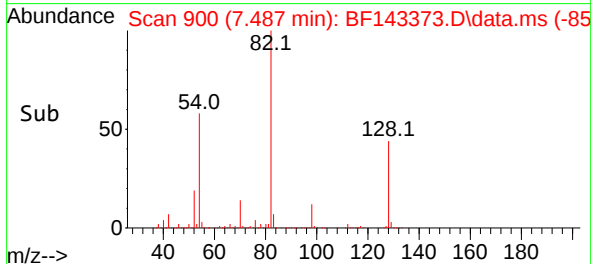
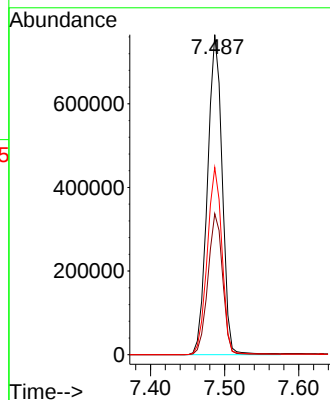
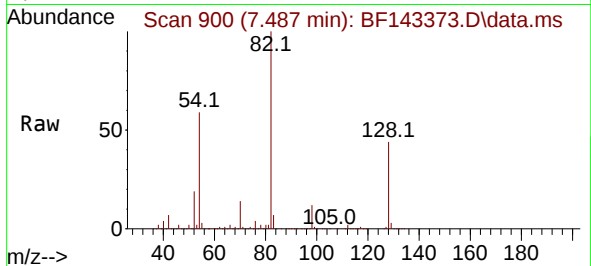
Tgt Ion: 82 Resp: 1056561

Ion Ratio Lower Upper

82 100

128 44.0 33.5 50.3

54 58.5 46.7 70.1



#25

Isophorone

Concen: 46.694 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.265 min

Lab File: BF143373.D

Acq: 13 Aug 2025 14:11

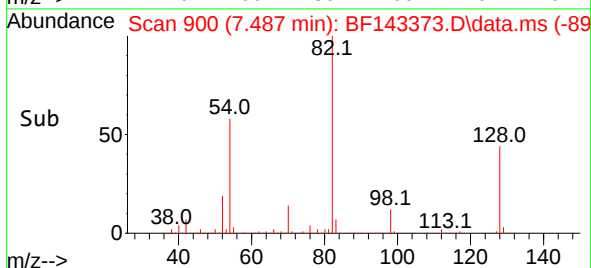
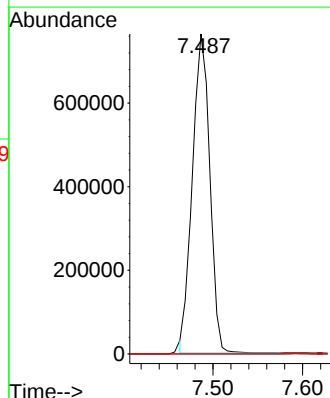
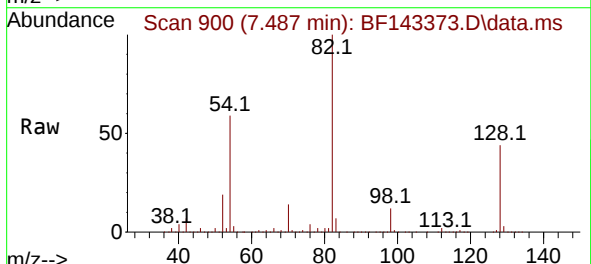
Tgt Ion: 82 Resp: 1026681

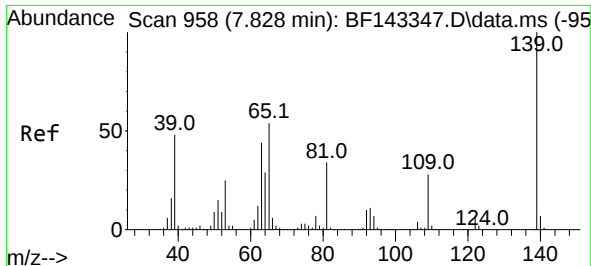
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 14.6 21.8#

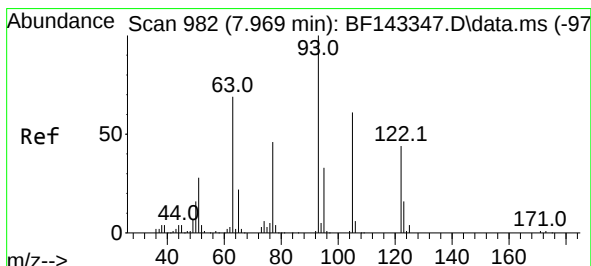
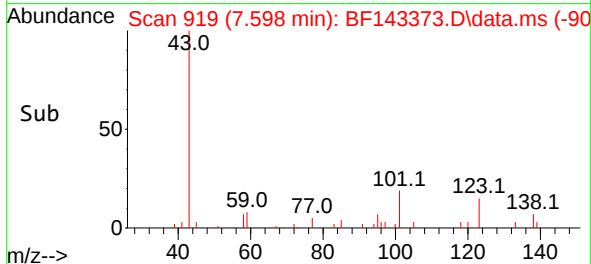
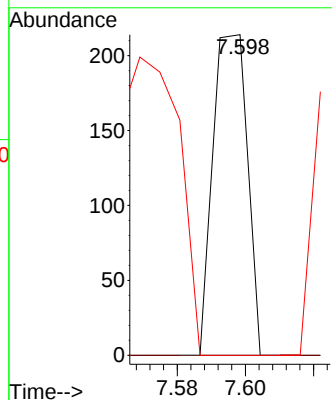
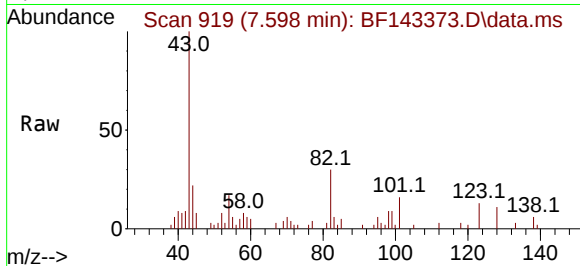




#26
2-Nitrophenol
Concen: 3.672 ng
RT: 7.598 min Scan# 919
Delta R.T. -0.230 min
Lab File: BF143373.D
Acq: 13 Aug 2025 14:11

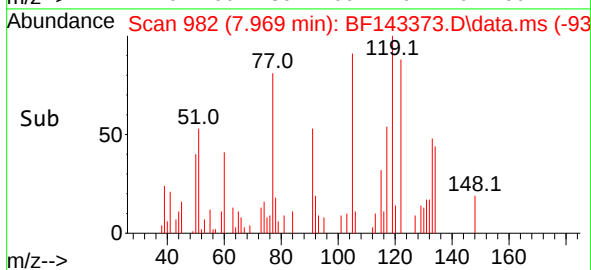
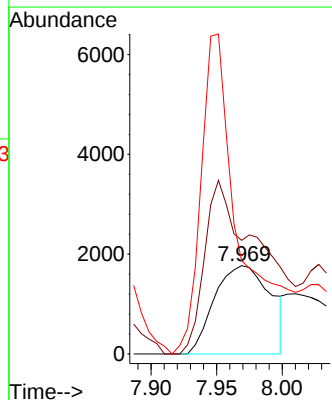
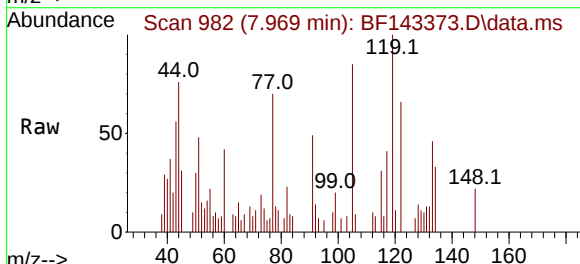
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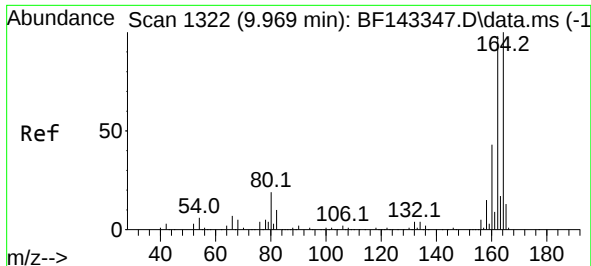
Tgt Ion:139 Resp: 150
Ion Ratio Lower Upper
139 100
109 0.0 22.4 33.6#
65 0.0 42.9 64.3#



#32
Benzoic acid
Concen: 5.069 ng
RT: 7.969 min Scan# 982
Delta R.T. 0.000 min
Lab File: BF143373.D
Acq: 13 Aug 2025 14:11

Tgt Ion:122 Resp: 5248
Ion Ratio Lower Upper
122 100
105 128.6 106.4 146.4
77 105.7 79.2 119.2

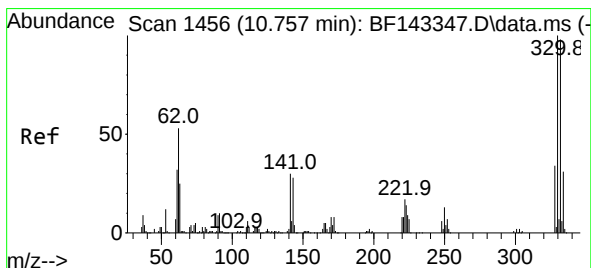
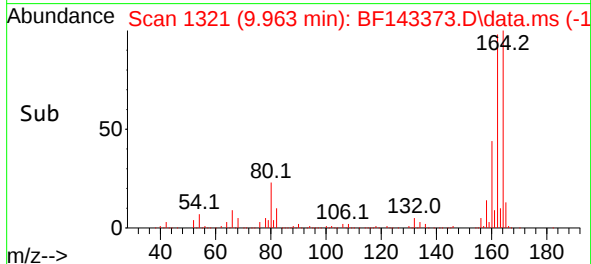
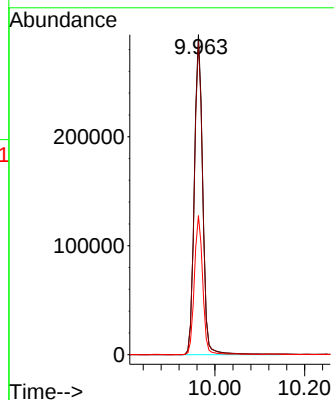
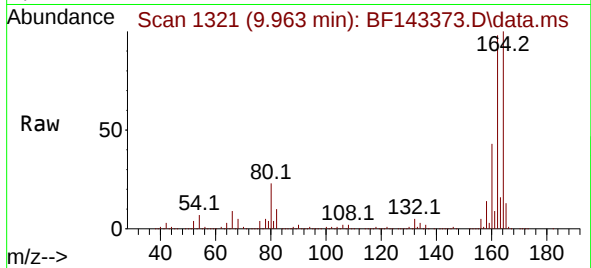




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF143373.D
Acq: 13 Aug 2025 14:11

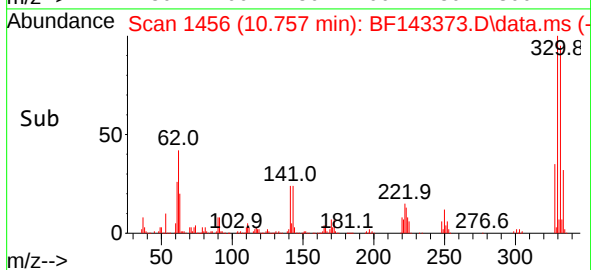
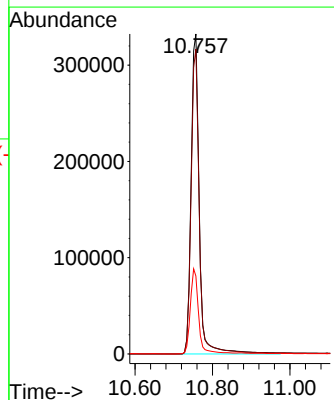
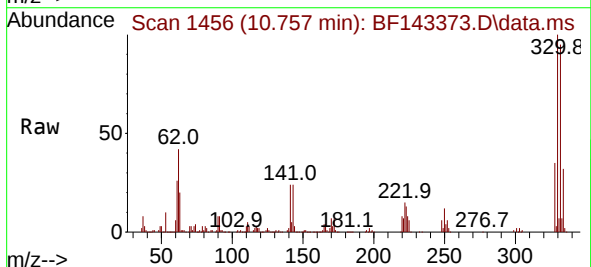
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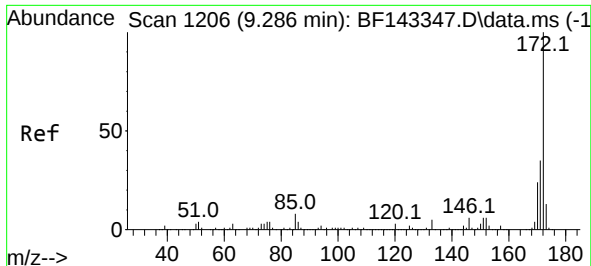
Tgt Ion:164 Resp: 379214
Ion Ratio Lower Upper
164 100
162 97.8 78.6 118.0
160 43.5 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 176.092 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143373.D
Acq: 13 Aug 2025 14:11

Tgt Ion:330 Resp: 488018
Ion Ratio Lower Upper
330 100
332 96.0 78.1 117.1
141 27.1 25.4 38.0

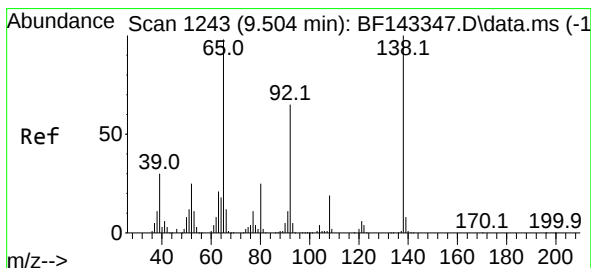
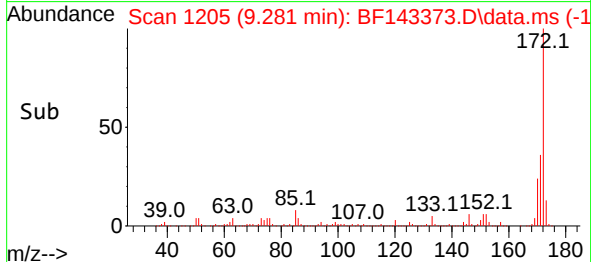
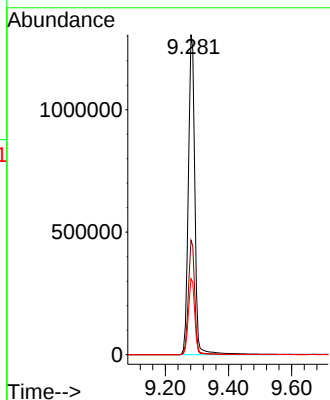
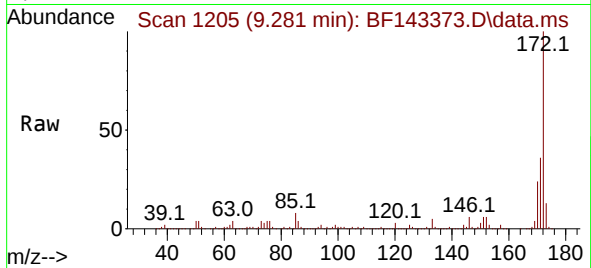




#45
2-Fluorobiphenyl
Concen: 83.740 ng
RT: 9.281 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143373.D
Acq: 13 Aug 2025 14:11

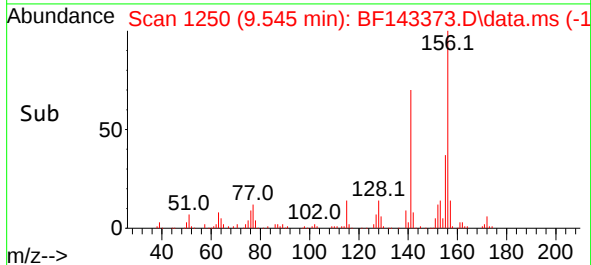
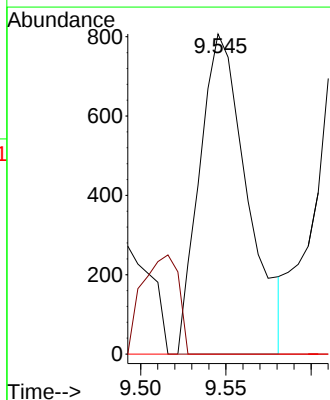
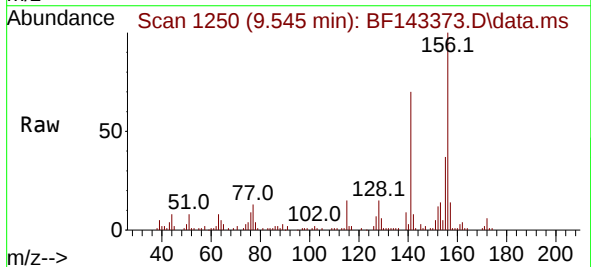
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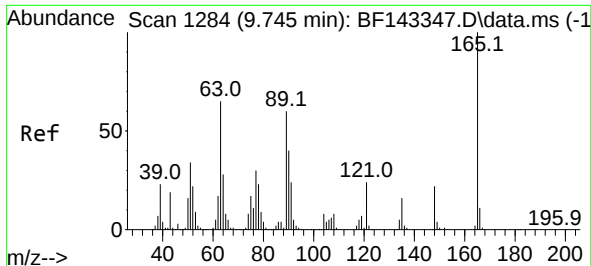
Tgt Ion:172 Resp: 1872645
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.8 19.1 28.7



#48
2-Nitroaniline
Concen: 3.010 ng
RT: 9.545 min Scan# 1250
Delta R.T. 0.041 min
Lab File: BF143373.D
Acq: 13 Aug 2025 14:11

Tgt Ion: 65 Resp: 1576
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: 14.516 ng

RT: 9.963 min Scan# 1

Delta R.T. 0.218 min

Lab File: BF143373.D

Acq: 13 Aug 2025 14:11

Instrument :

BNA_F

ClientSampleId :

TP-9

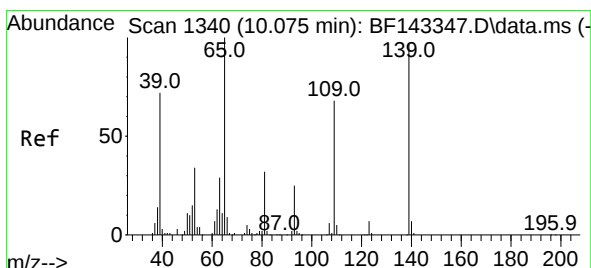
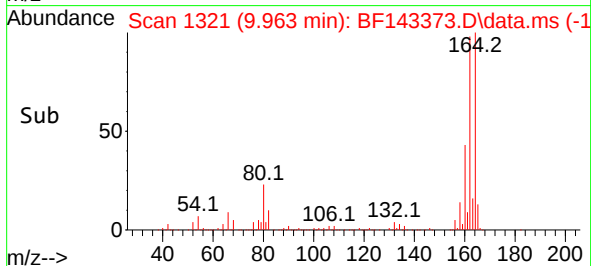
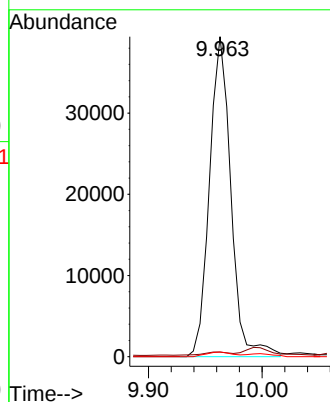
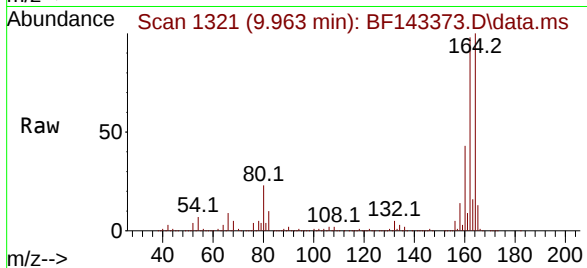
Tgt Ion:165 Resp: 51629

Ion Ratio Lower Upper

165 100

63 1.4 51.6 77.4#

89 1.4 47.7 71.5#



#56

4-Nitrophenol

Concen: 5.734 ng

RT: 10.069 min Scan# 1339

Delta R.T. -0.006 min

Lab File: BF143373.D

Acq: 13 Aug 2025 14:11

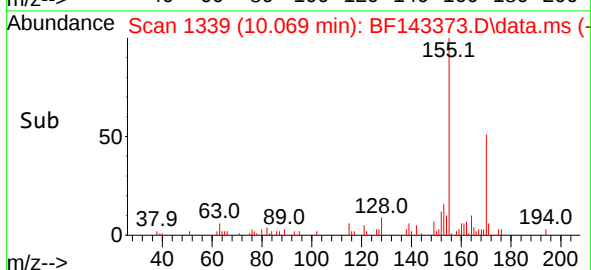
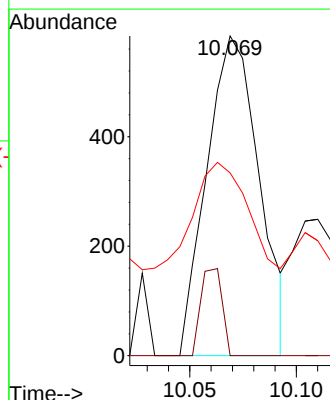
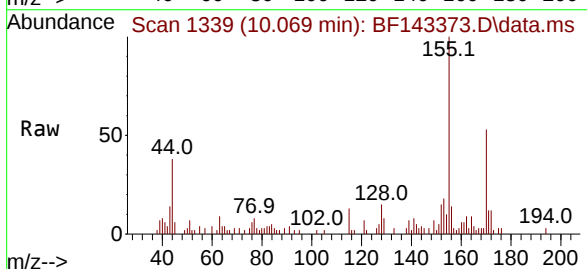
Tgt Ion:139 Resp: 1003

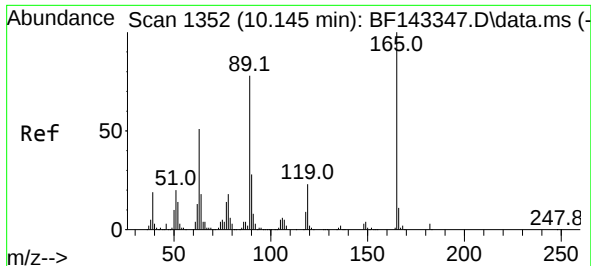
Ion Ratio Lower Upper

139 100

109 0.0 49.4 89.4#

65 57.2 83.7 123.7#

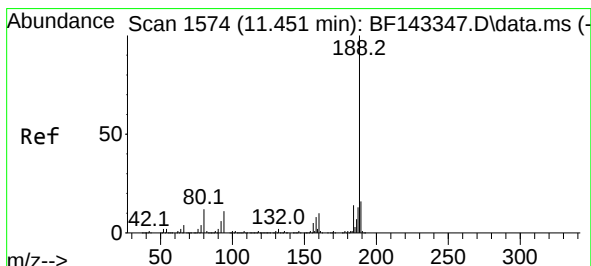
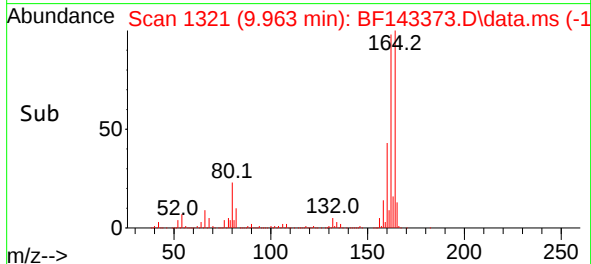
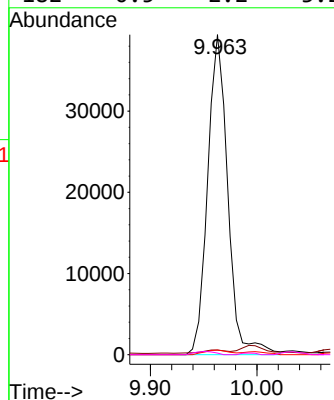
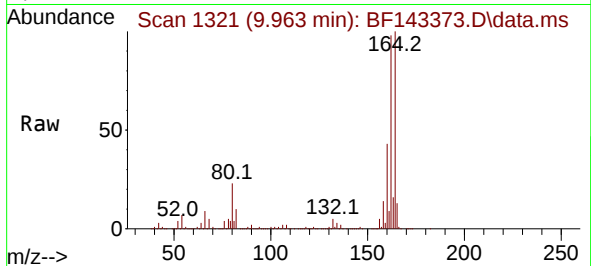




#57
2,4-Dinitrotoluene
Concen: 11.731 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143373.D
Acq: 13 Aug 2025 14:11

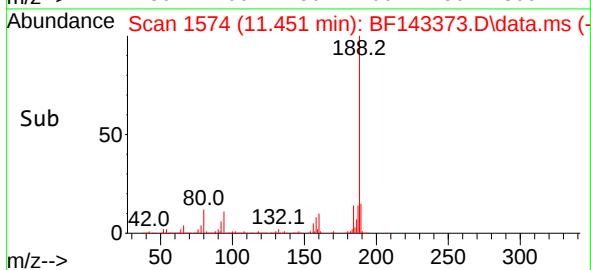
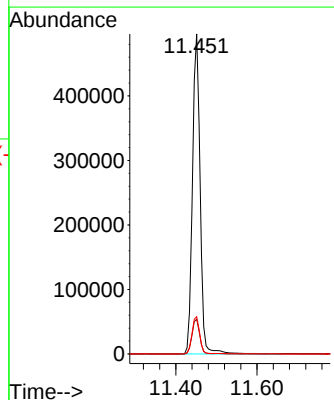
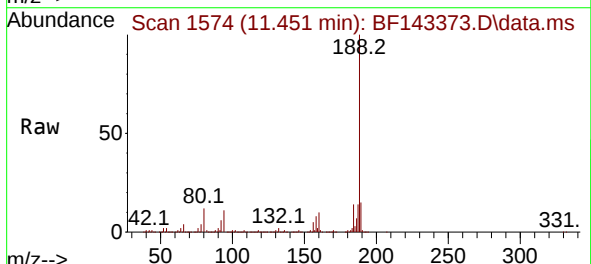
Instrument :
BNA_F
ClientSampleId :
TP-9

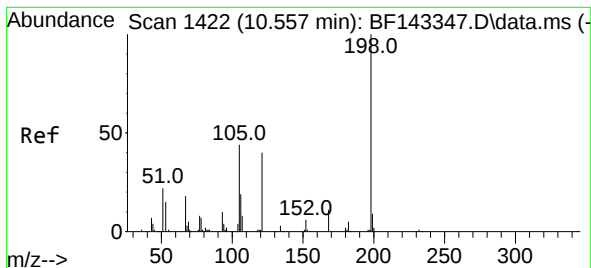
Tgt Ion:165 Resp: 51754
Ion Ratio Lower Upper
165 100
63 1.4 41.8 62.8#
89 1.4 62.4 93.6#
182 0.5 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143373.D
Acq: 13 Aug 2025 14:11

Tgt Ion:188 Resp: 649011
Ion Ratio Lower Upper
188 100
94 10.9 8.8 13.2
80 11.6 9.7 14.5

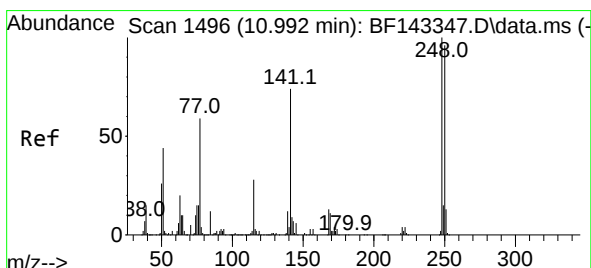
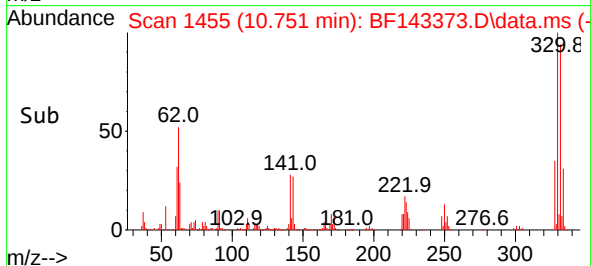
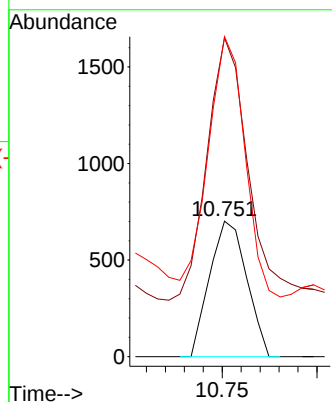
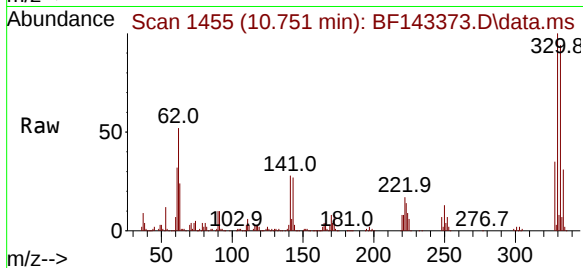




#65
4,6-Dinitro-2-methylphenol
Concen: 7.568 ng
RT: 10.751 min Scan# 1422
Delta R.T. 0.194 min
Lab File: BF143373.D
Acq: 13 Aug 2025 14:11

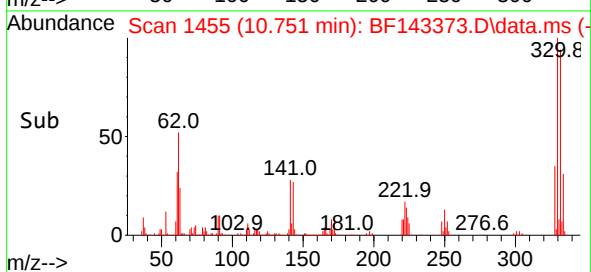
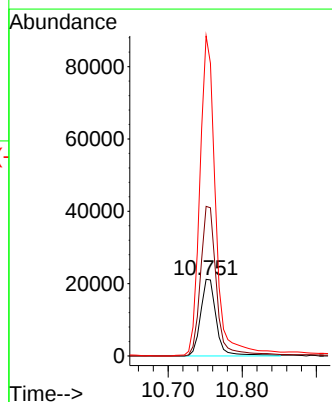
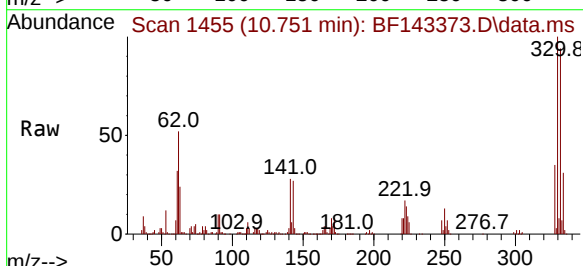
Instrument :
BNA_F
ClientSampleId :
TP-9

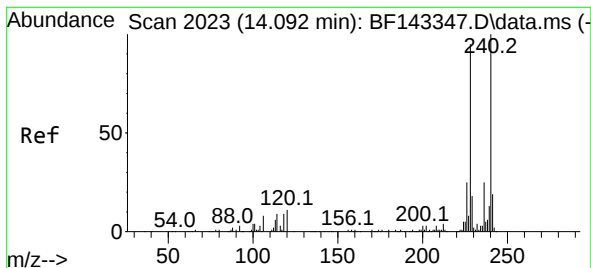
Tgt Ion:198 Resp: 951
Ion Ratio Lower Upper
198 100
51 235.2 41.7 81.7#
105 236.0 26.8 66.8#



#67
4-Bromophenyl-phenylether
Concen: 4.209 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.241 min
Lab File: BF143373.D
Acq: 13 Aug 2025 14:11

Tgt Ion:248 Resp: 31245
Ion Ratio Lower Upper
248 100
250 195.3 77.1 115.7#
141 417.7 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: BF143373.D

Acq: 13 Aug 2025 14:11

Instrument :

BNA_F

ClientSampleId :

TP-9

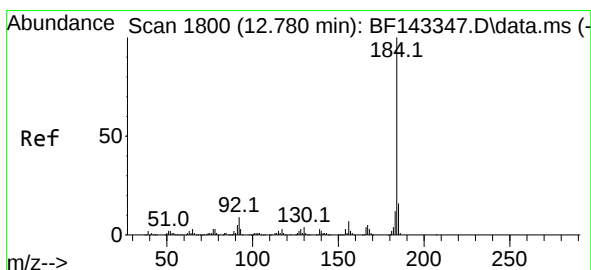
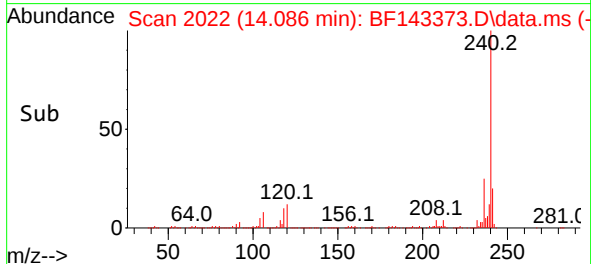
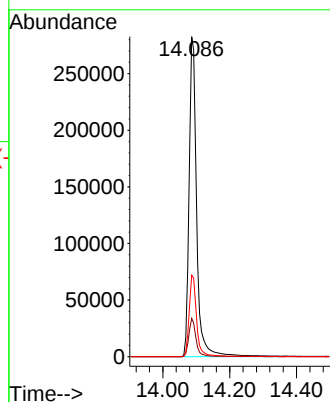
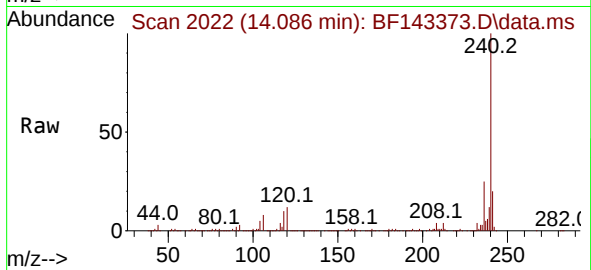
Tgt Ion:240 Resp: 441865

Ion Ratio Lower Upper

240 100

120 11.9 9.0 13.6

236 25.5 19.9 29.9



#77

Benzidine

Concen: 2.226 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.253 min

Lab File: BF143373.D

Acq: 13 Aug 2025 14:11

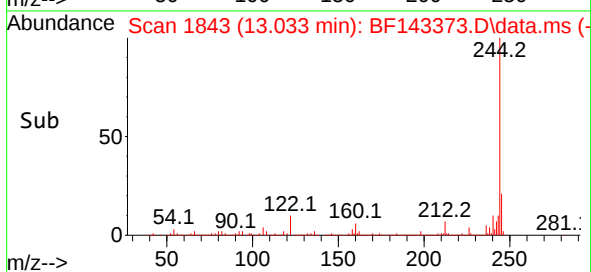
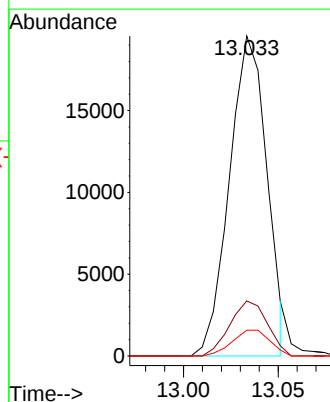
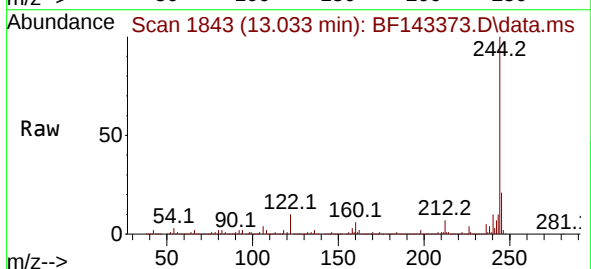
Tgt Ion:184 Resp: 26889

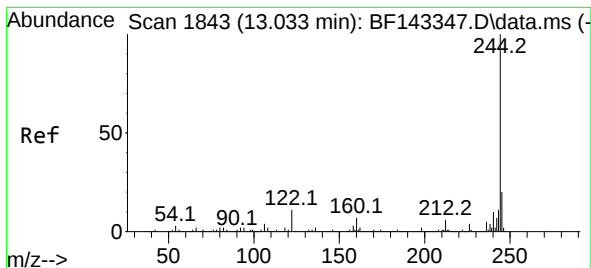
Ion Ratio Lower Upper

184 100

185 17.2 12.8 19.2

183 8.1 9.3 13.9#





#79

Terphenyl-d14

Concen: 95.298 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF143373.D

Acq: 13 Aug 2025 14:11

Instrument :

BNA_F

ClientSampleId :

TP-9

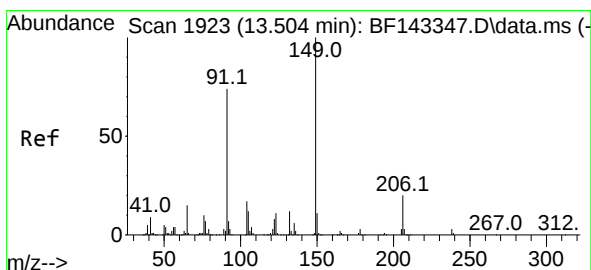
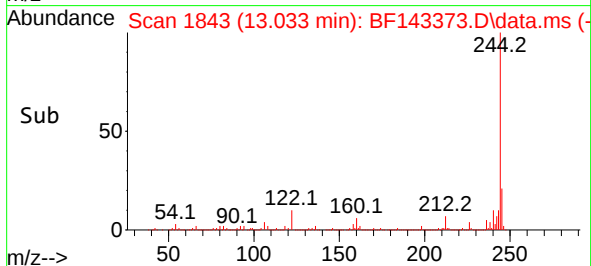
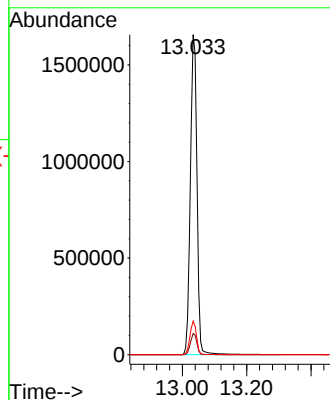
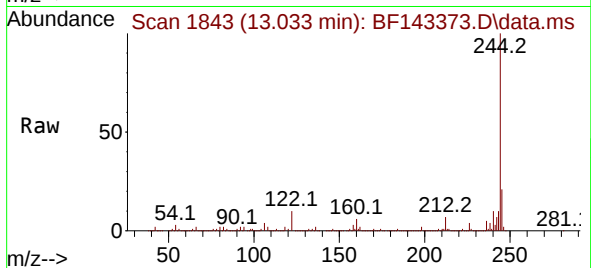
Tgt Ion:244 Resp: 2358587

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 10.5 8.9 13.3



#80

Butylbenzylphthalate

Concen: 3.484 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BF143373.D

Acq: 13 Aug 2025 14:11

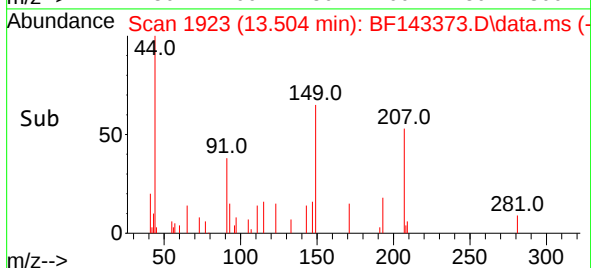
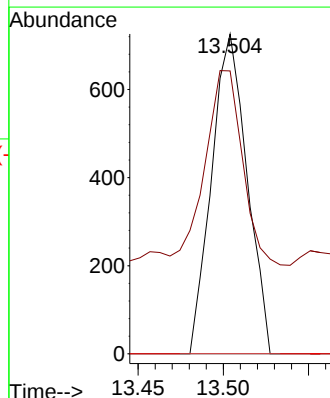
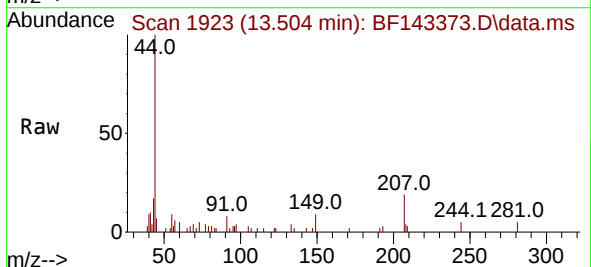
Tgt Ion:149 Resp: 1049

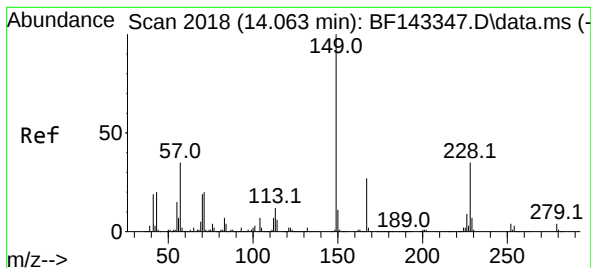
Ion Ratio Lower Upper

149 100

91 88.4 58.8 88.2#

206 0.0 16.4 24.6#

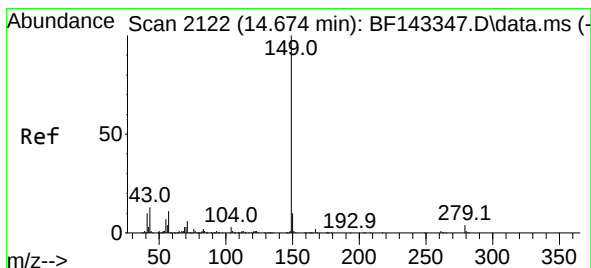
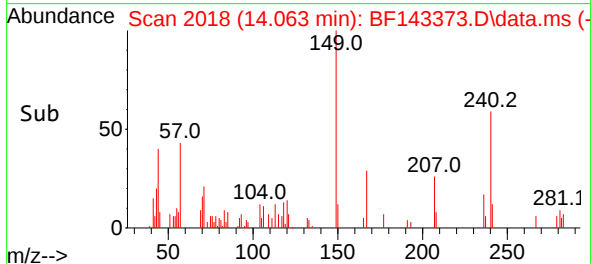
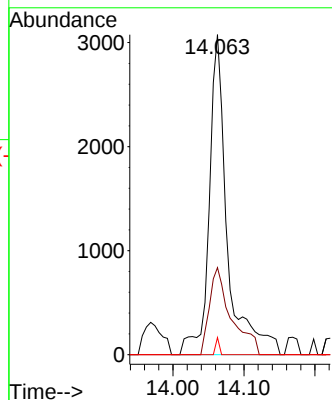
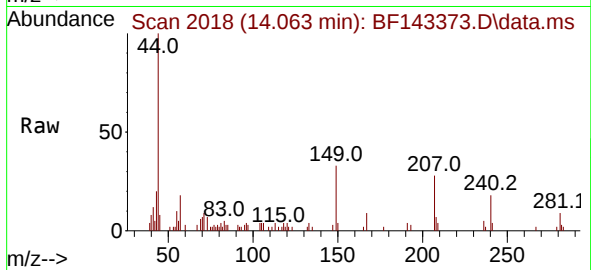




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.456 ng
 RT: 14.063 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: BF143373.D
 Acq: 13 Aug 2025 14:11

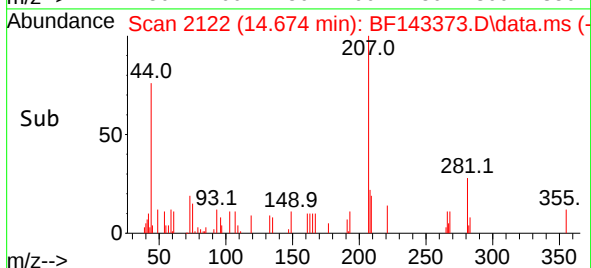
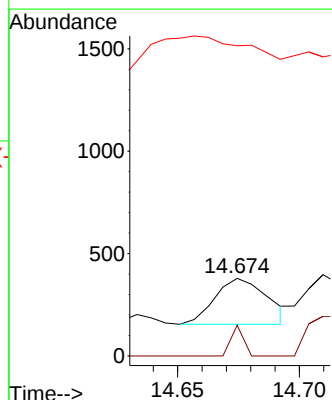
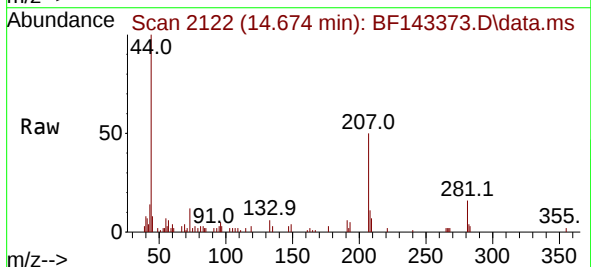
Instrument :
 BNA_F
 ClientSampleId :
 TP-9

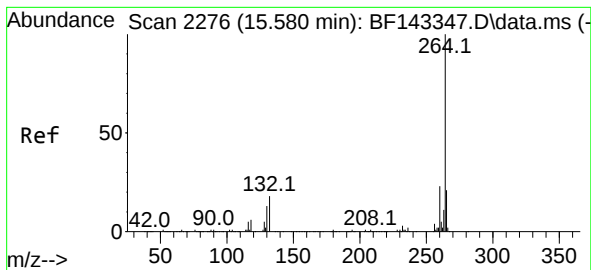
Tgt Ion:149 Resp: 5480
 Ion Ratio Lower Upper
 149 100
 167 27.2 21.4 32.0
 279 5.4 3.2 4.8#



#85
 Di-n-octyl phthalate
 Concen: 6.038 ng
 RT: 14.674 min Scan# 2122
 Delta R.T. 0.000 min
 Lab File: BF143373.D
 Acq: 13 Aug 2025 14:11

Tgt Ion:149 Resp: 331
 Ion Ratio Lower Upper
 149 100
 167 16.0 1.3 1.9#
 43 195.5 10.8 16.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143373.D

Acq: 13 Aug 2025 14:11

Instrument :

BNA_F

ClientSampleId :

TP-9

Tgt Ion:264 Resp: 377092

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.1 17.2 25.8

