

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
 Data File : BF143372.D
 Acq On : 13 Aug 2025 13:42
 Operator : RC/JU
 Sample : Q2827-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Quant Time: Aug 13 14:03:48 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

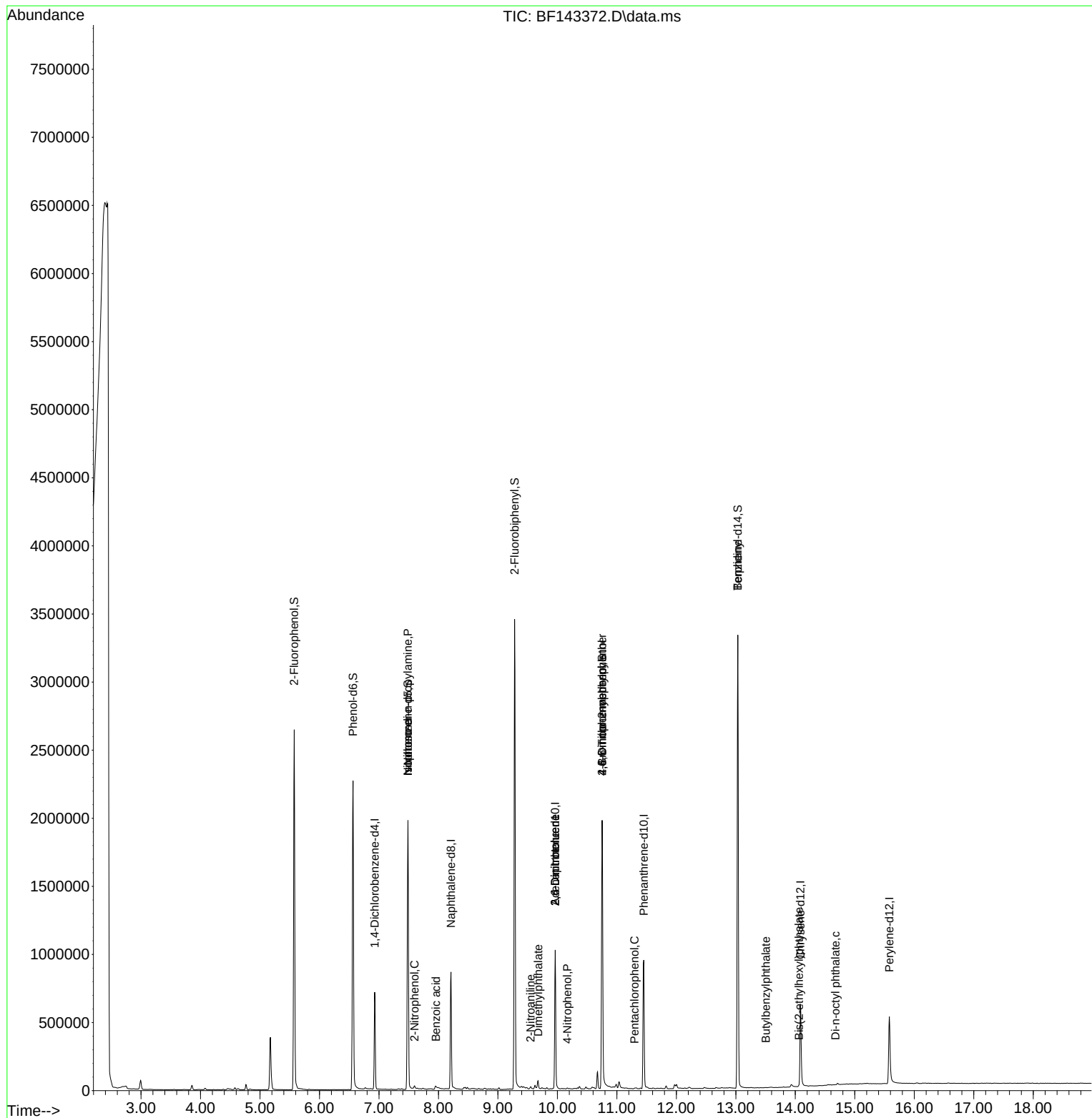
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	144248	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	555863	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	301686	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	483820	20.000	ng	0.00
76) Chrysene-d12	14.086	240	337160	20.000	ng	0.00
86) Perylene-d12	15.580	264	353417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	975116	116.898	ng	0.01
7) Phenol-d6	6.563	99	1083469	101.287	ng	0.00
23) Nitrobenzene-d5	7.487	82	869136	97.370	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	360950	163.712	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1581692	88.906	ng	0.00
79) Terphenyl-d14	13.033	244	1683380	89.139	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.487	70	116948	17.693	ng	# 80
25) Isophorone	7.487	82	846084	46.432	ng	# 65
26) 2-Nitrophenol	7.598	139	171	3.683	ng	# 32
32) Benzoic acid	7.957	122	16387	9.346	ng	# 93
48) 2-Nitroaniline	9.551	65	820	2.925	ng	# 6
50) Dimethylphthalate	9.675	163	35479	2.013	ng	# 99
51) 2,6-Dinitrotoluene	9.963	165	38797	13.875	ng	# 21
56) 4-Nitrophenol	10.169	139	881	5.761	ng	# 23
57) 2,4-Dinitrotoluene	9.963	165	39004	11.272	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.751	198	723	7.575	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	23837	4.308	ng	# 1
70) Pentachlorophenol	11.298	266	176	5.977	ng	# 20
77) Benzidine	13.033	184	19909	2.160	ng	# 96
80) Butylbenzylphthalate	13.504	149	616	3.453	ng	# 64
84) Bis(2-ethylhexyl)phtha...	14.063	149	3523	4.383	ng	# 83
85) Di-n-octyl phthalate	14.674	149	604	6.057	ng	# 51

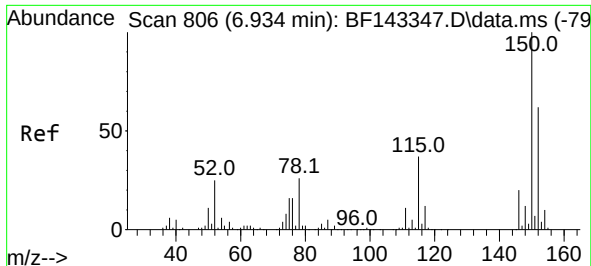
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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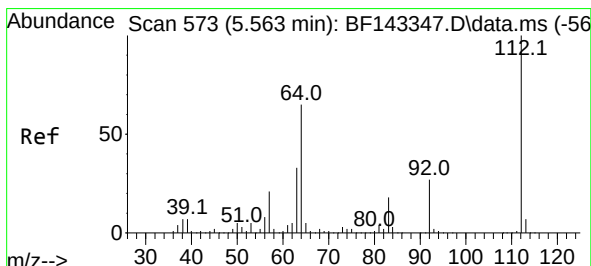
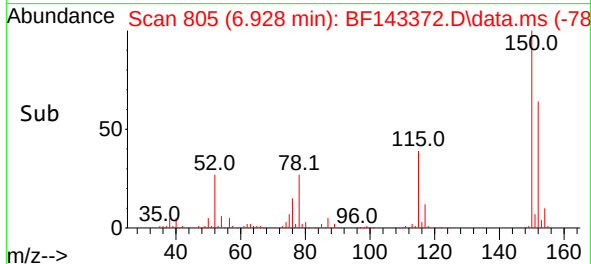
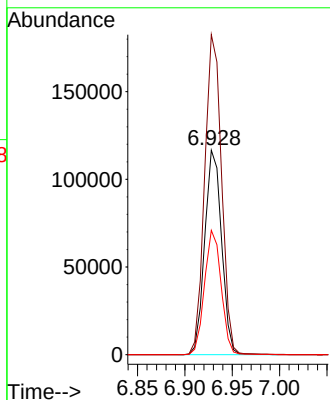
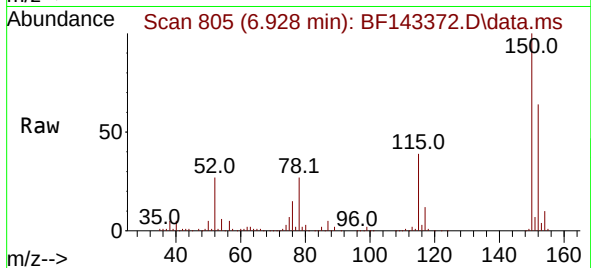




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

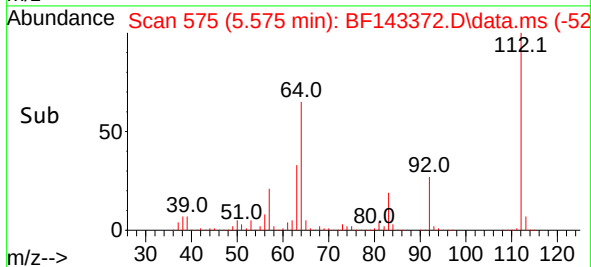
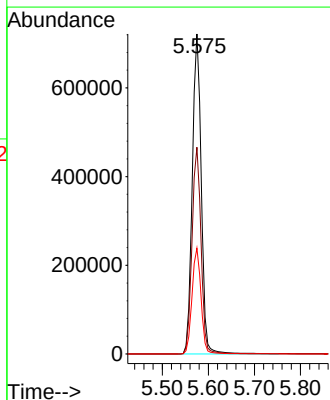
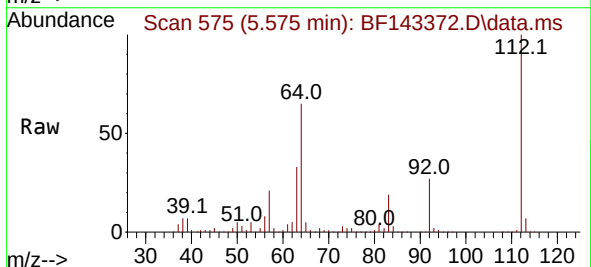
Instrument :
BNA_F
ClientSampleId :
TP-8

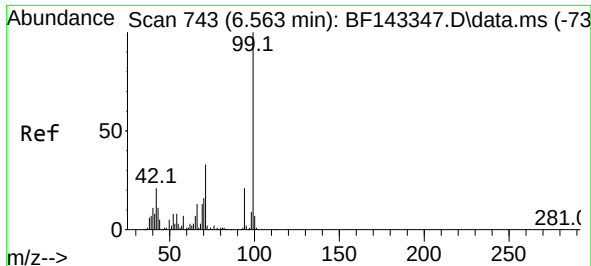
Tgt Ion:152 Resp: 144248
Ion Ratio Lower Upper
152 100
150 156.5 129.8 194.8
115 60.8 47.8 71.8



#5
2-Fluorophenol
Concen: 116.898 ng
RT: 5.575 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

Tgt Ion:112 Resp: 975116
Ion Ratio Lower Upper
112 100
64 64.6 52.1 78.1
63 33.0 26.6 39.8



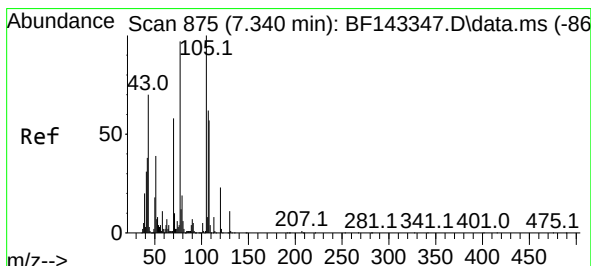
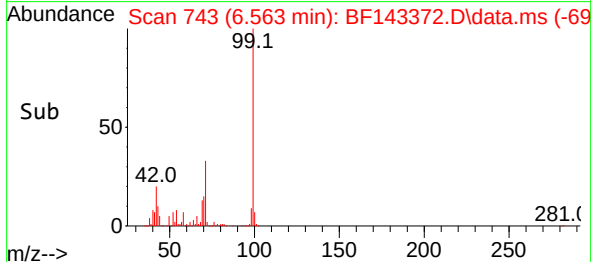
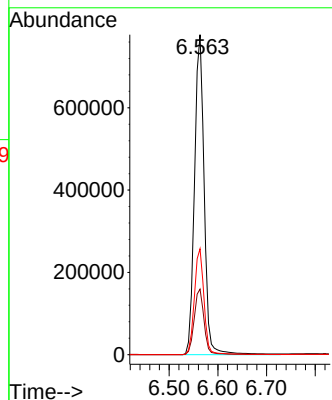
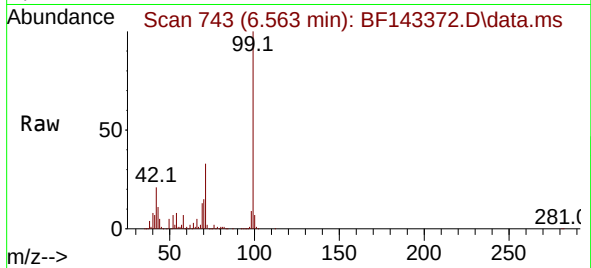


#7
Phenol-d6
Concen: 101.287 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion: 99 Resp: 1083469

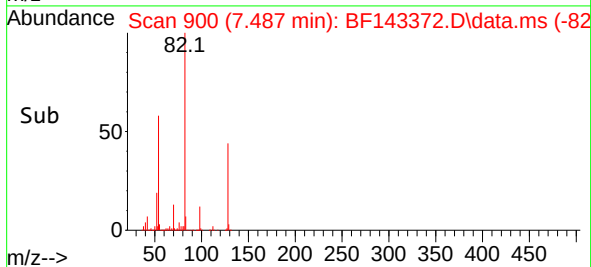
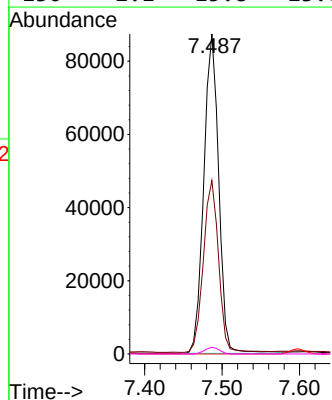
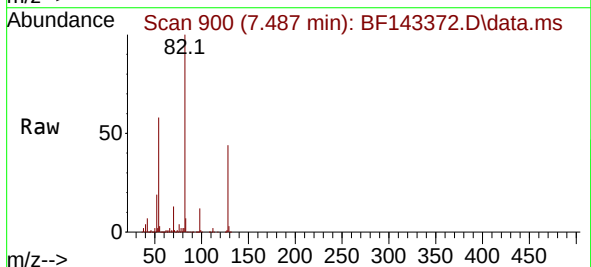
Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.6	25.0
71	33.1	26.2	39.2

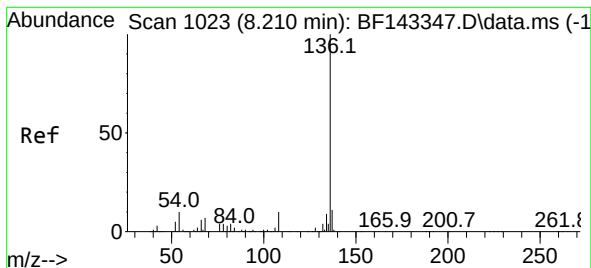


#19
n-Nitroso-di-n-propylamine
Concen: 17.693 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.147 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

Tgt Ion: 70 Resp: 116948

Ion	Ratio	Lower	Upper
70	100		
42	54.2	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# 1

Delta R.T. 0.000 min

Lab File: BF143372.D

Acq: 13 Aug 2025 13:42

Instrument :

BNA_F

ClientSampleId :

TP-8

Tgt Ion:136 Resp: 555863

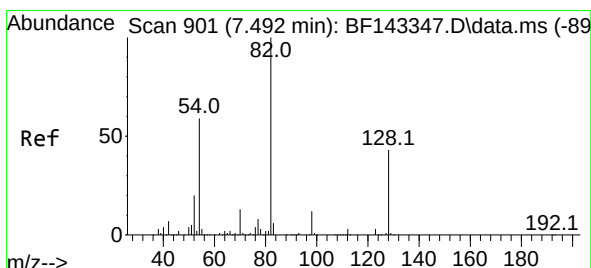
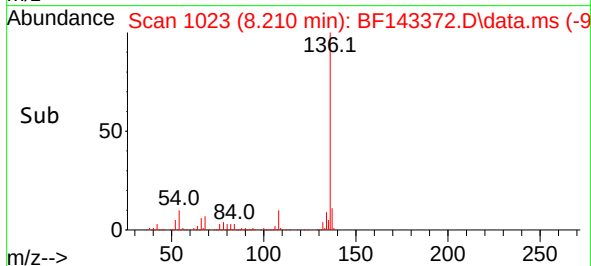
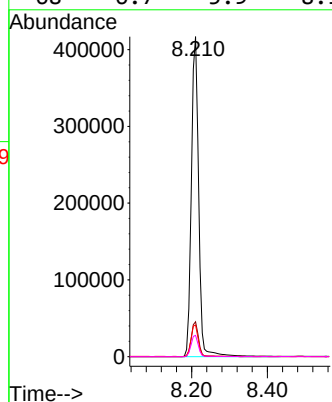
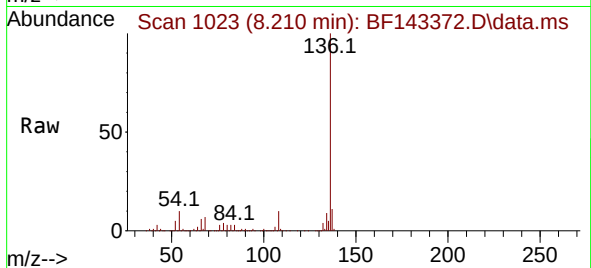
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.9 8.4 12.6

68 6.7 5.9 8.9



#23

Nitrobenzene-d5

Concen: 97.370 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF143372.D

Acq: 13 Aug 2025 13:42

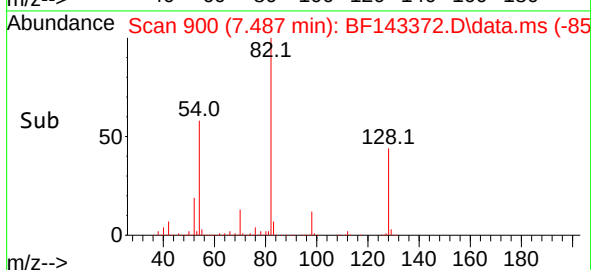
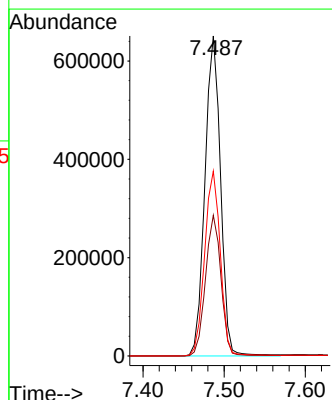
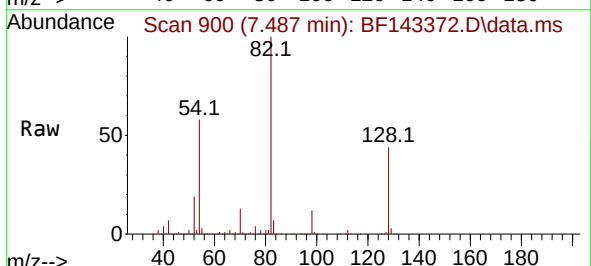
Tgt Ion: 82 Resp: 869136

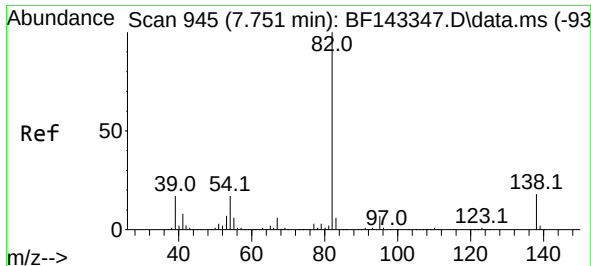
Ion Ratio Lower Upper

82 100

128 44.0 33.5 50.3

54 57.8 46.7 70.1

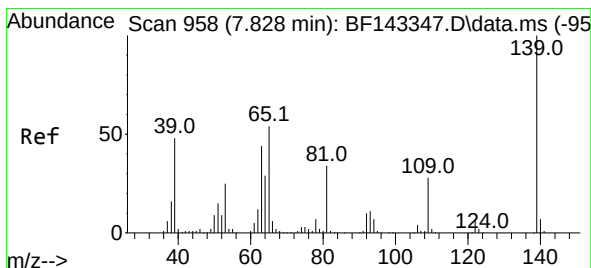
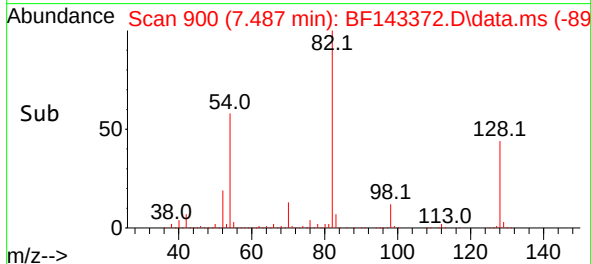
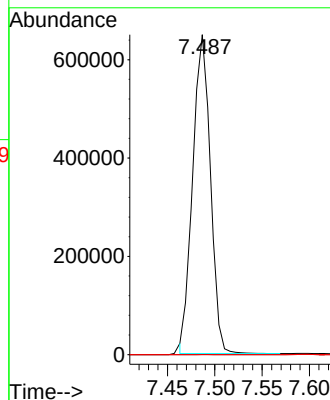
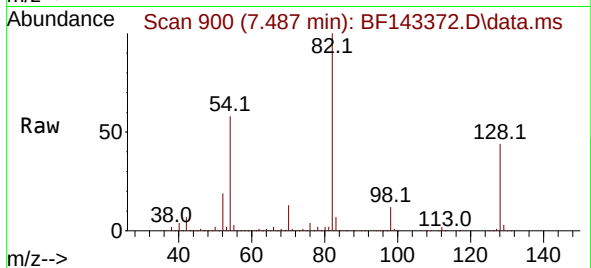




#25
Isophorone
Concen: 46.432 ng
RT: 7.487 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

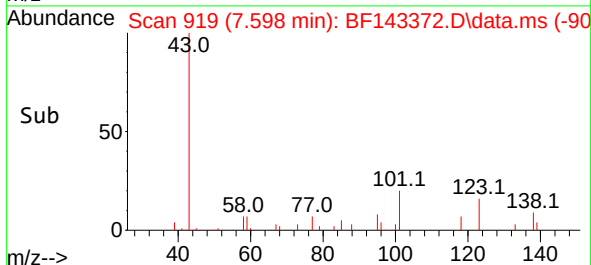
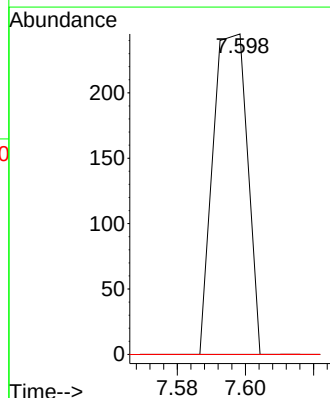
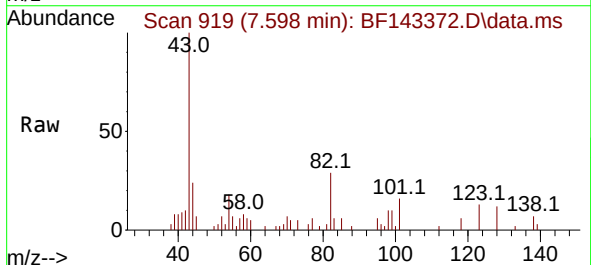
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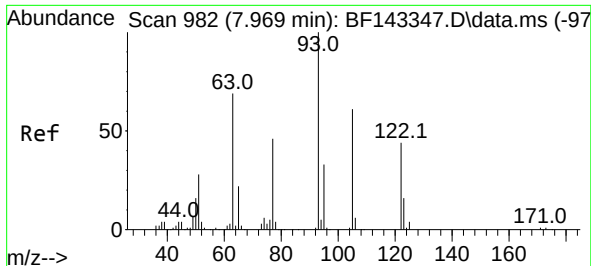
Tgt Ion: 82 Resp: 846084
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#26
2-Nitrophenol
Concen: 3.683 ng
RT: 7.598 min Scan# 919
Delta R.T. -0.230 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

Tgt Ion:139 Resp: 171
Ion Ratio Lower Upper
139 100
109 0.0 22.4 33.6#
65 0.0 42.9 64.3#

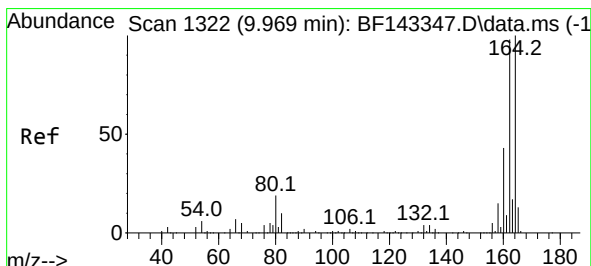
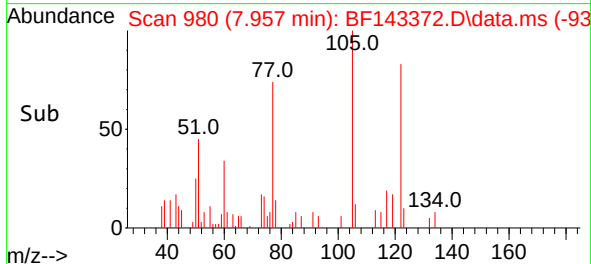
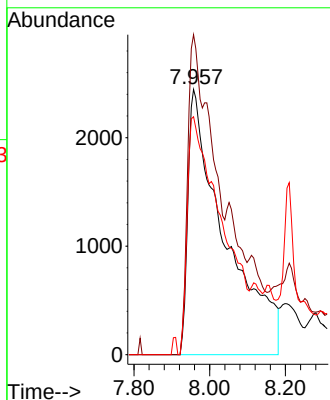
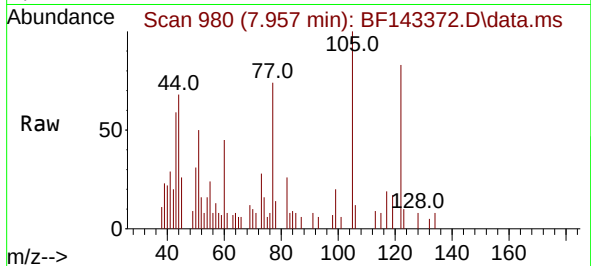




#32
Benzoic acid
Concen: 9.346 ng
RT: 7.957 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

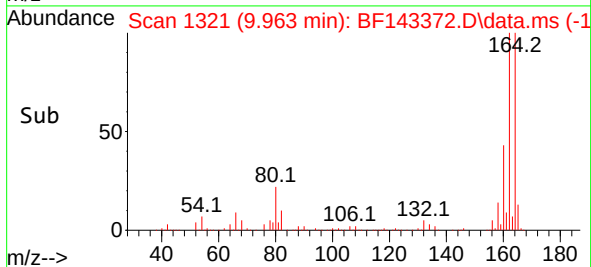
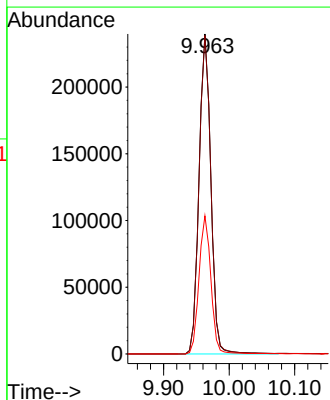
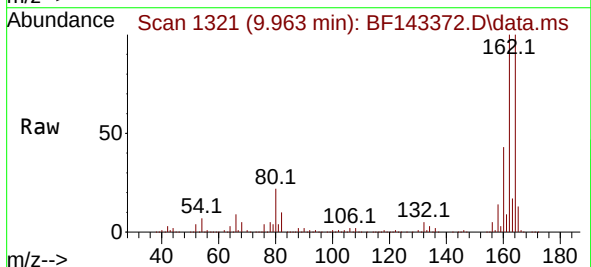
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ClientSampleId :
TP-8

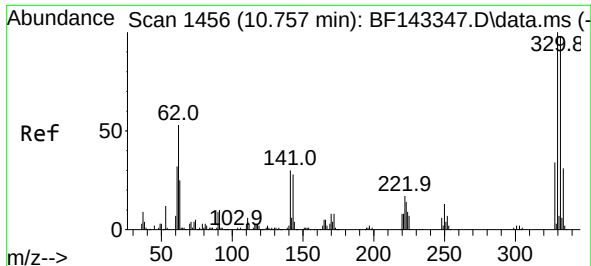
Tgt Ion:122 Resp: 16387
Ion Ratio Lower Upper
122 100
105 120.6 106.4 146.4
77 89.7 79.2 119.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

Tgt Ion:164 Resp: 301686
Ion Ratio Lower Upper
164 100
162 99.5 78.6 118.0
160 43.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 163.712 ng

RT: 10.751 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143372.D

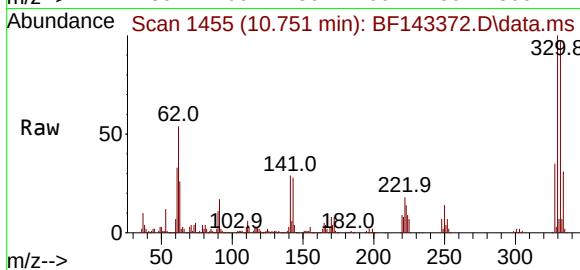
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Instrument :

BNA_F

ClientSampleId :

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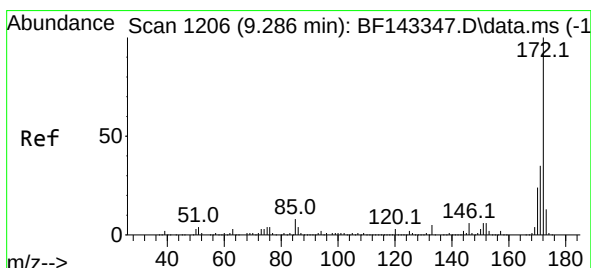
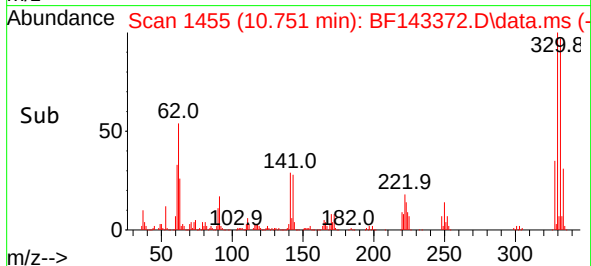
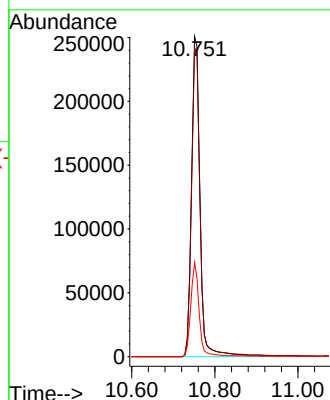
Tgt Ion:330 Resp: 360950

Ion Ratio Lower Upper

330 100

332 97.5 78.1 117.1

141 28.8 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 88.906 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143372.D

Acq: 13 Aug 2025 13:42

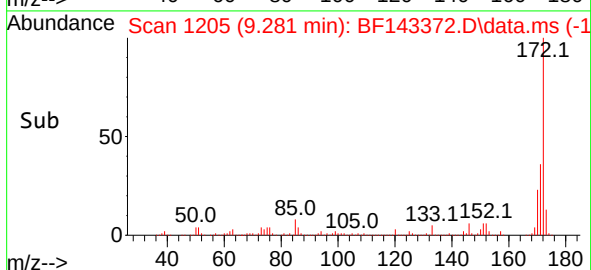
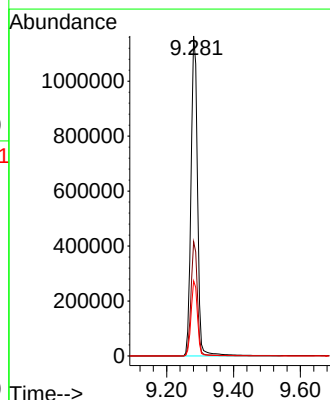
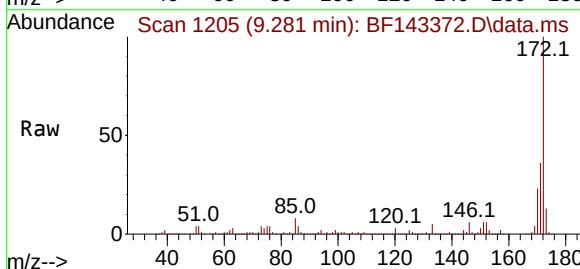
Tgt Ion:172 Resp: 1581692

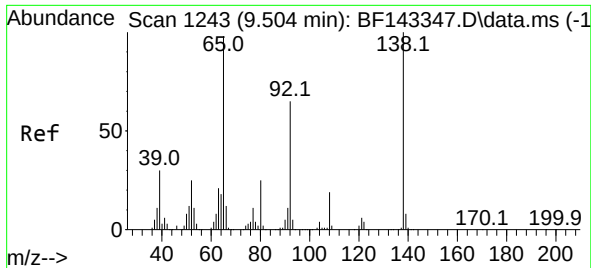
Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.4 19.1 28.7

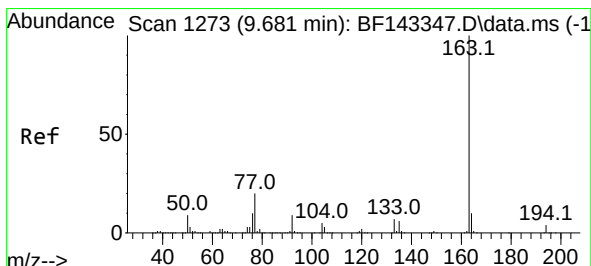
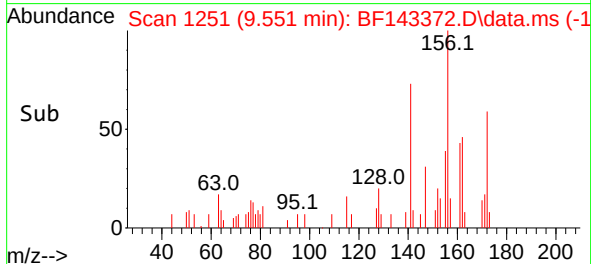
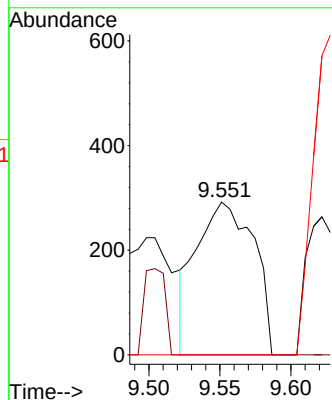
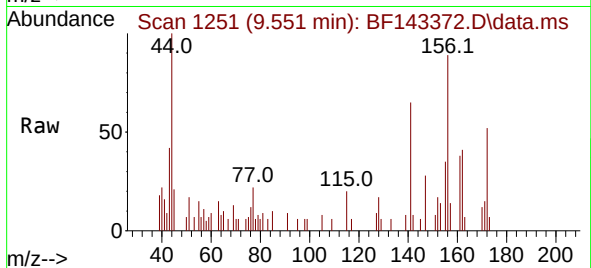




#48
2-Nitroaniline
Concen: 2.925 ng
RT: 9.551 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

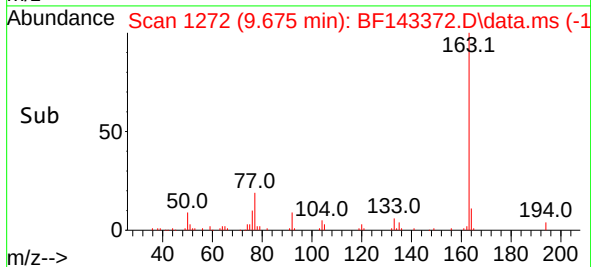
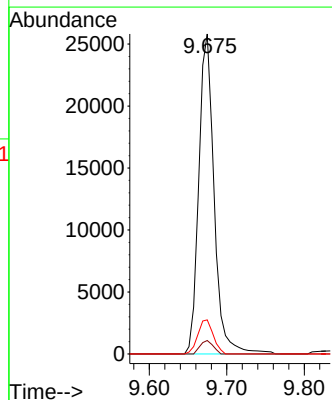
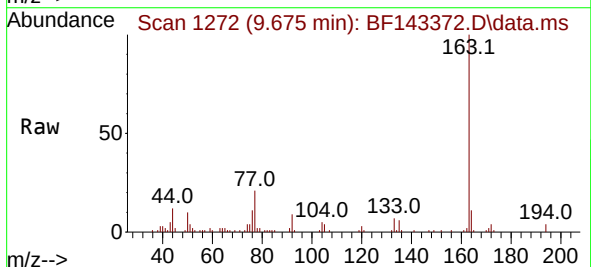
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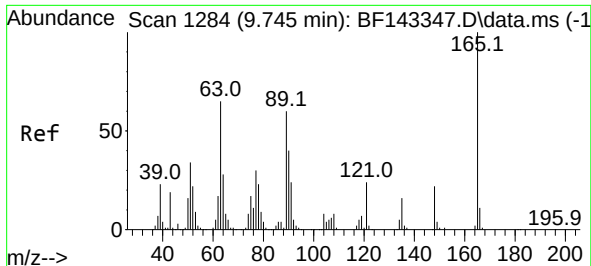
Tgt Ion: 65 Resp: 820
Ion Ratio Lower Upper
65 100
92 0.0 53.1 79.7#
138 0.0 81.4 122.0#



#50
Dimethylphthalate
Concen: 2.013 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

Tgt Ion:163 Resp: 35479
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.6 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 13.875 ng

RT: 9.963 min Scan# 1

Delta R.T. 0.218 min

Lab File: BF143372.D

Acq: 13 Aug 2025 13:42

Instrument :

BNA_F

ClientSampleId :

TP-8

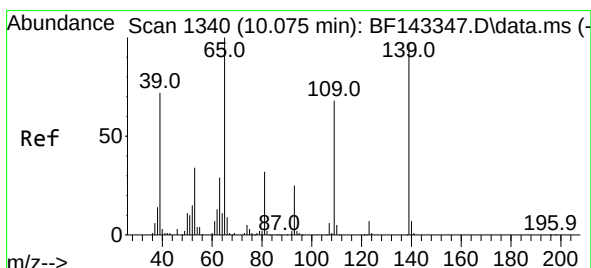
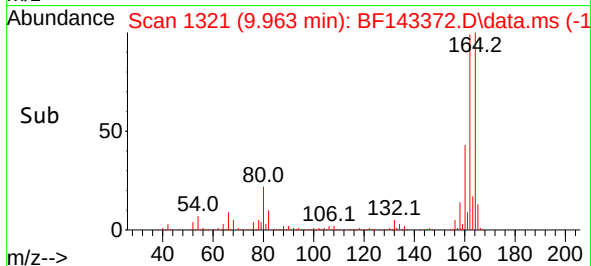
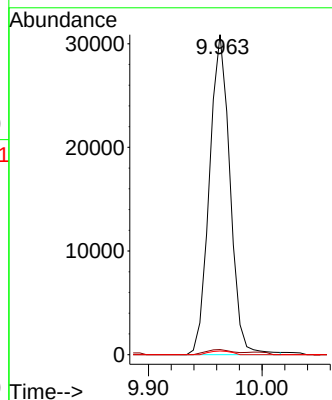
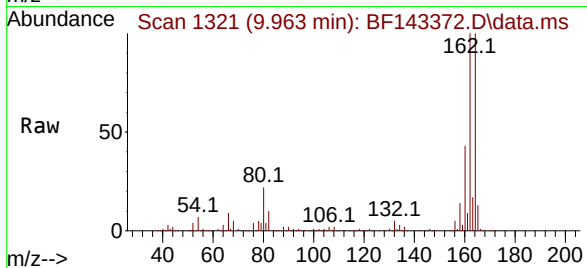
Tgt Ion:165 Resp: 38797

Ion Ratio Lower Upper

165 100

63 1.6 51.6 77.4#

89 1.2 47.7 71.5#



#56

4-Nitrophenol

Concen: 5.761 ng

RT: 10.169 min Scan# 1356

Delta R.T. 0.094 min

Lab File: BF143372.D

Acq: 13 Aug 2025 13:42

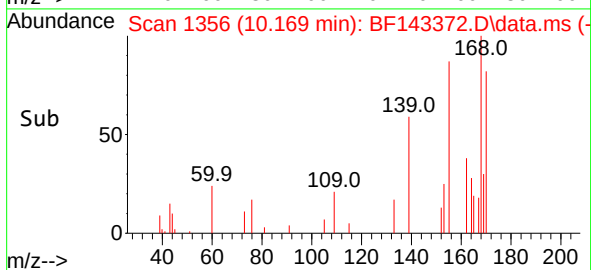
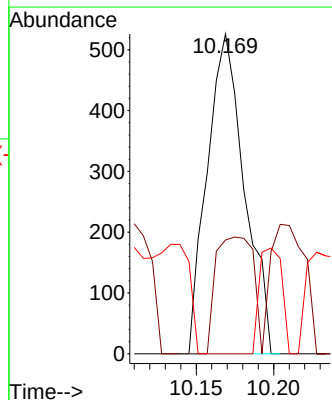
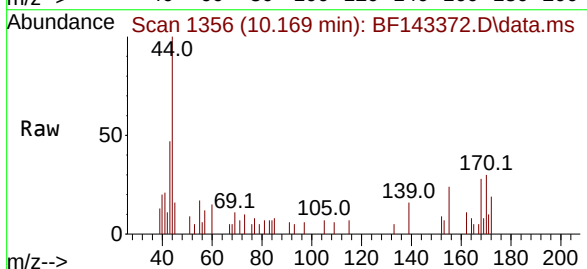
Tgt Ion:139 Resp: 881

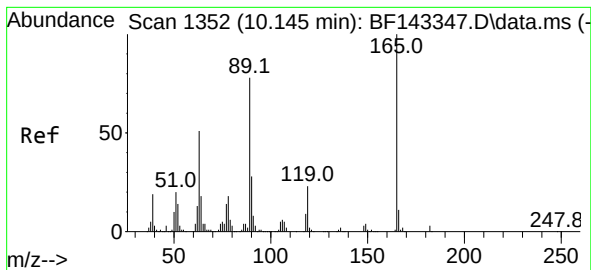
Ion Ratio Lower Upper

139 100

109 35.6 49.4 89.4#

65 0.0 83.7 123.7#

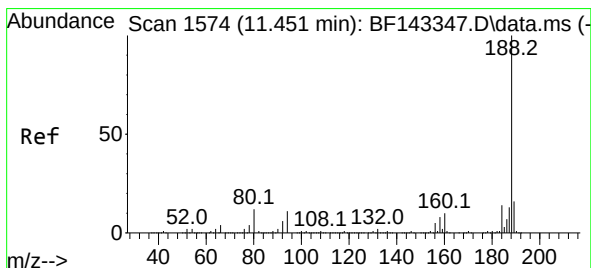
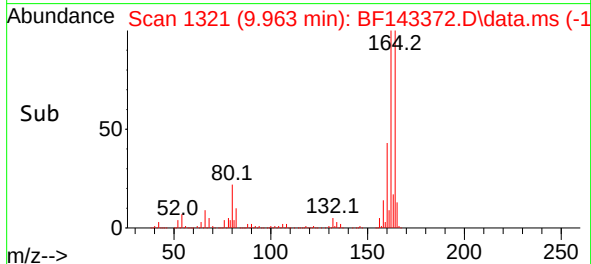
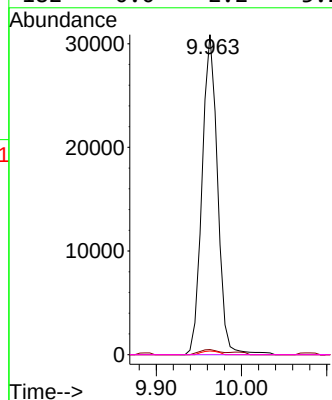
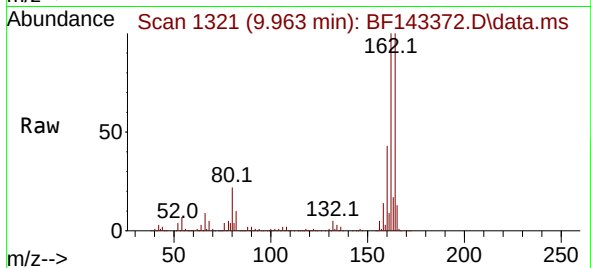




#57
2,4-Dinitrotoluene
Concen: 11.272 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

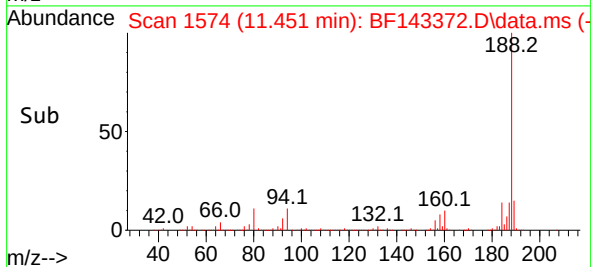
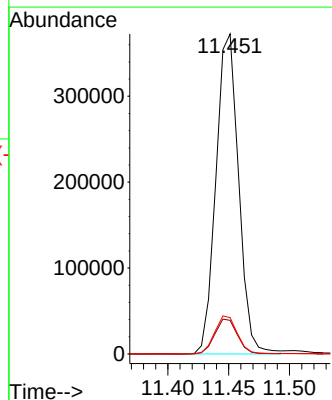
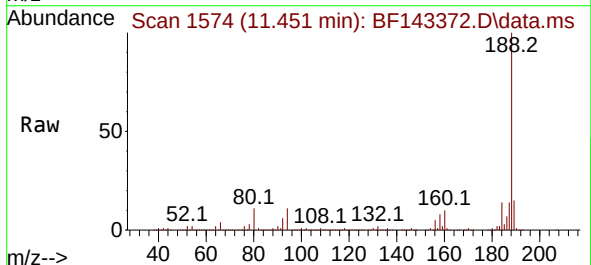
Instrument :
BNA_F
ClientSampleId :
TP-8

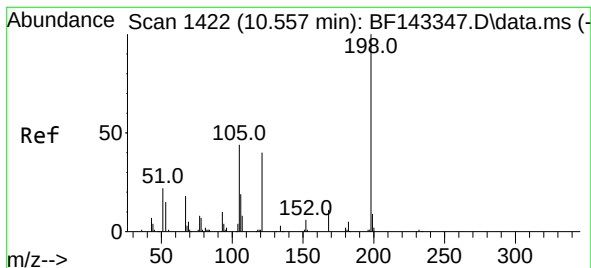
Tgt Ion:165 Resp: 39004
Ion Ratio Lower Upper
165 100
63 1.6 41.8 62.8#
89 1.2 62.4 93.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

Tgt Ion:188 Resp: 483820
Ion Ratio Lower Upper
188 100
94 10.5 8.8 13.2
80 11.3 9.7 14.5

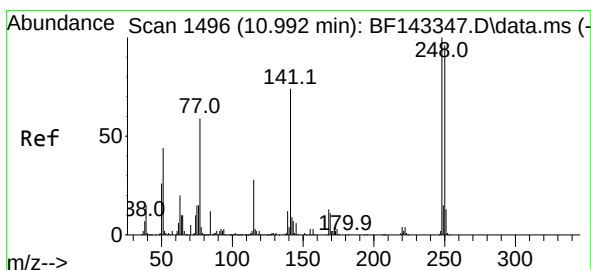
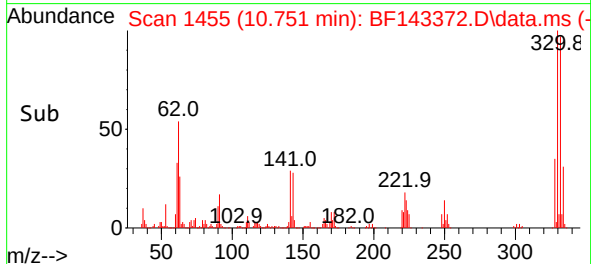
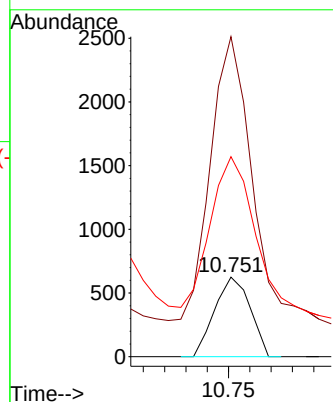
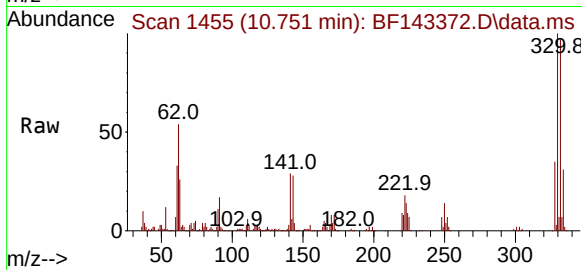




#65
4,6-Dinitro-2-methylphenol
Concen: 7.575 ng
RT: 10.751 min Scan# 1422
Delta R.T. 0.194 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

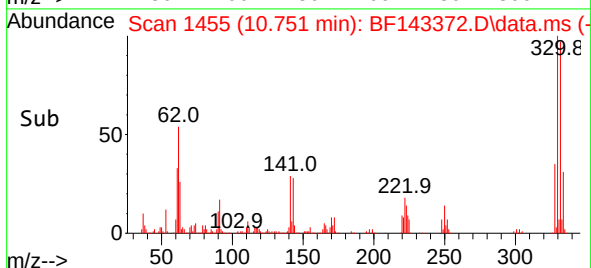
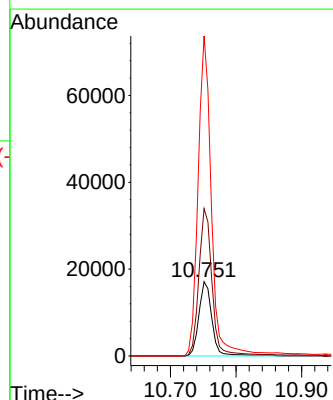
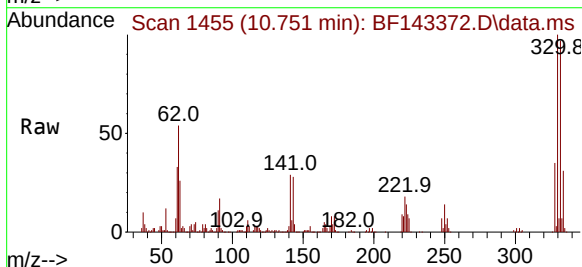
Instrument :
BNA_F
ClientSampleId :
TP-8

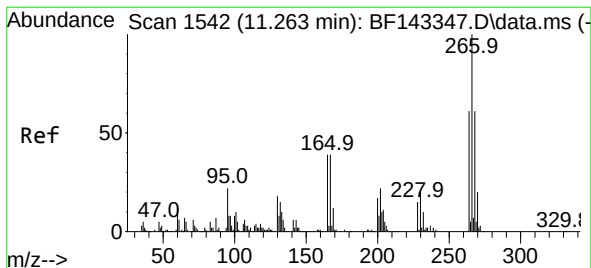
Tgt Ion:198 Resp: 723
Ion Ratio Lower Upper
198 100
51 402.6 41.7 81.7#
105 251.6 26.8 66.8#



#67
4-Bromophenyl-phenylether
Concen: 4.308 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.241 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

Tgt Ion:248 Resp: 23837
Ion Ratio Lower Upper
248 100
250 198.5 77.1 115.7#
141 431.1 59.1 88.7#





#70

Pentachlorophenol

Concen: 5.977 ng

RT: 11.298 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF143372.D

Acq: 13 Aug 2025 13:42

Instrument :

BNA_F

ClientSampleId :

TP-8

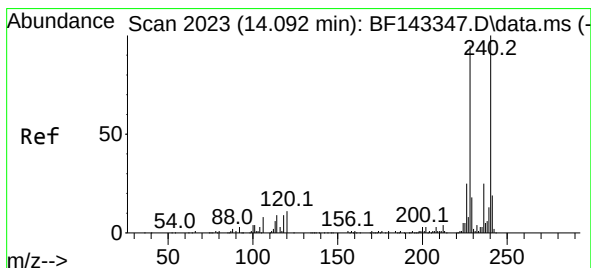
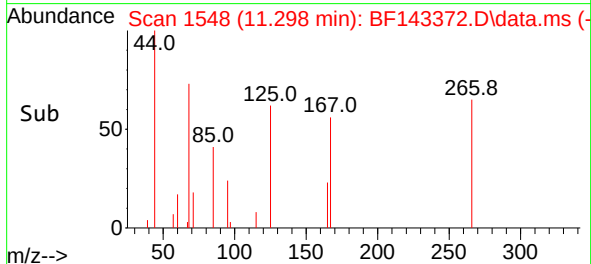
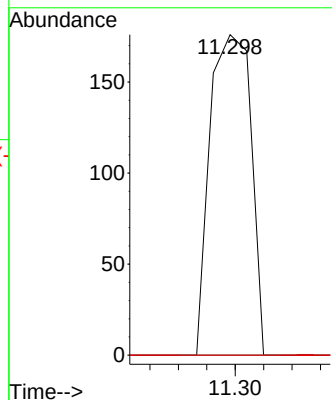
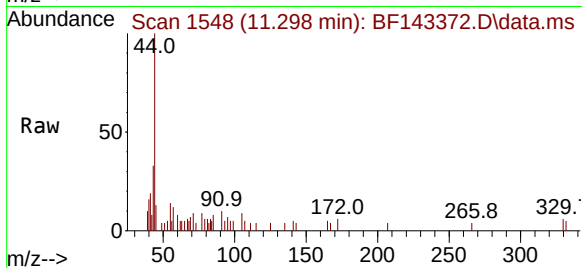
Tgt Ion:266 Resp: 176

Ion Ratio Lower Upper

266 100

268 0.0 48.8 73.2#

264 0.0 48.8 73.2#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF143372.D

Acq: 13 Aug 2025 13:42

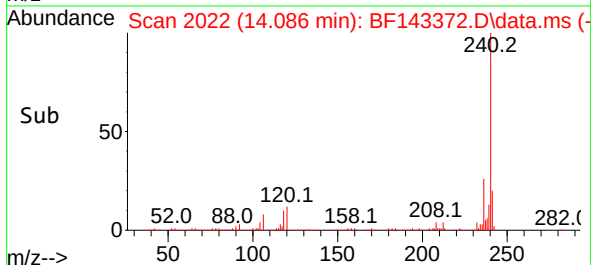
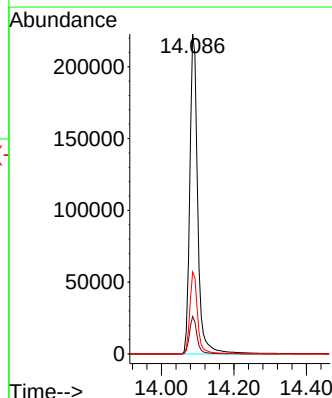
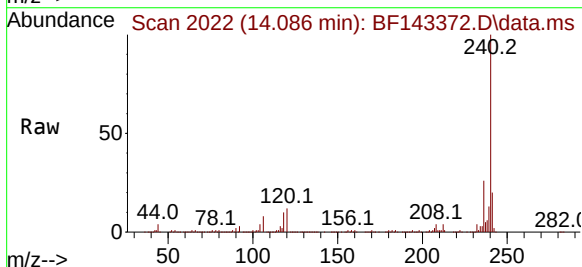
Tgt Ion:240 Resp: 337160

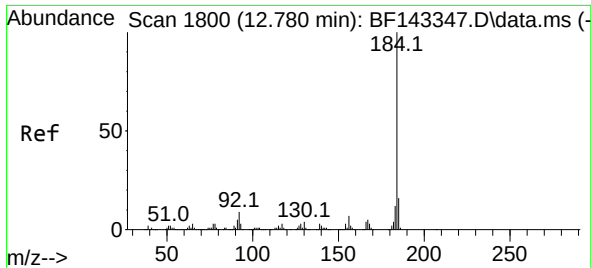
Ion Ratio Lower Upper

240 100

120 11.7 9.0 13.6

236 25.6 19.9 29.9





#77

Benzidine

Concen: 2.160 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.253 min

Lab File: BF143372.D

Acq: 13 Aug 2025 13:42

Instrument :

BNA_F

ClientSampleId :

TP-8

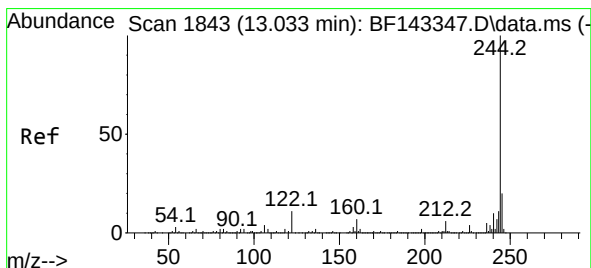
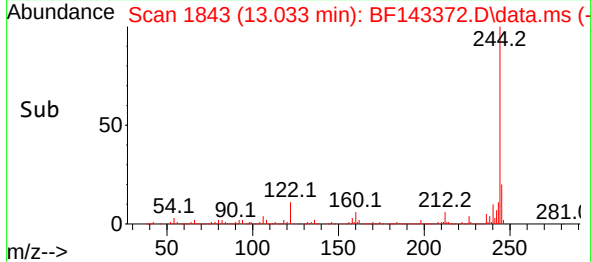
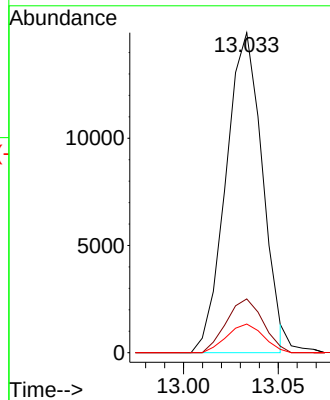
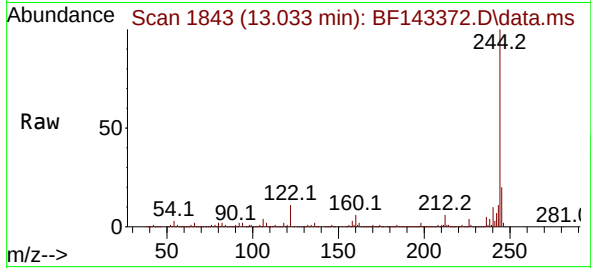
Tgt Ion:184 Resp: 19909

Ion Ratio Lower Upper

184 100

185 16.8 12.8 19.2

183 9.0 9.3 13.9#



#79

Terphenyl-d14

Concen: 89.139 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF143372.D

Acq: 13 Aug 2025 13:42

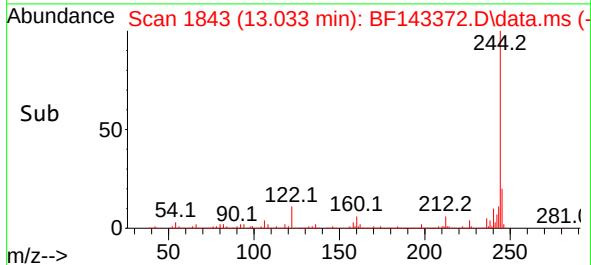
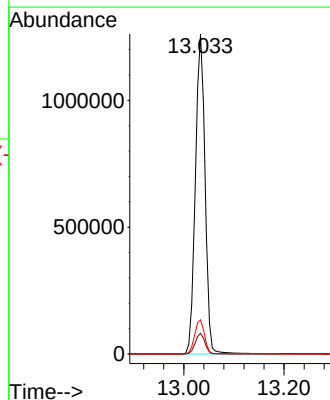
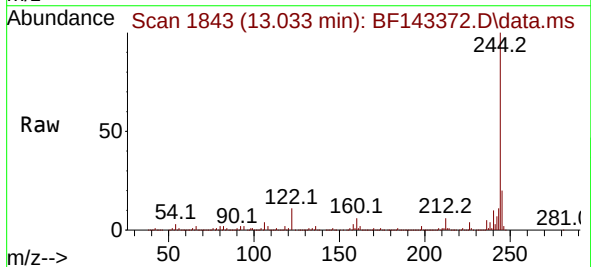
Tgt Ion:244 Resp: 1683380

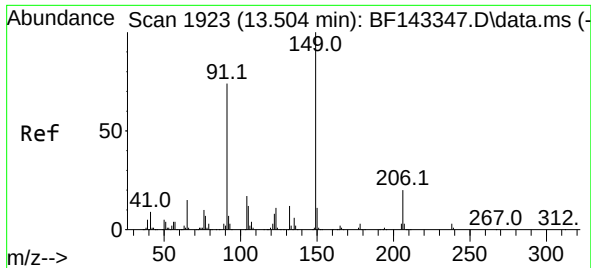
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 10.6 8.9 13.3

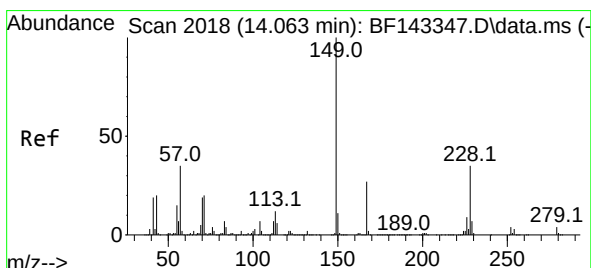
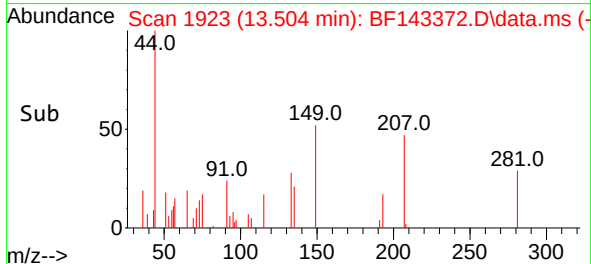
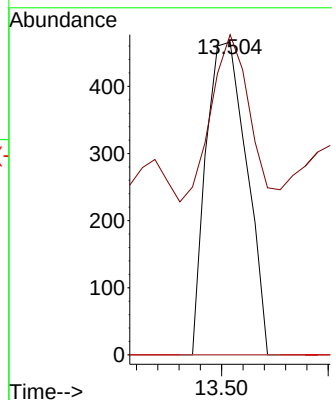
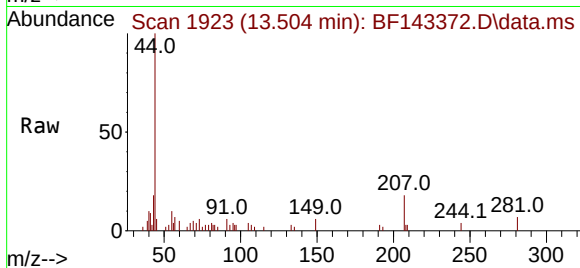




#80
 Butylbenzylphthalate
 Concen: 3.453 ng
 RT: 13.504 min Scan# 1923
 Delta R.T. -0.000 min
 Lab File: BF143372.D
 Acq: 13 Aug 2025 13:42

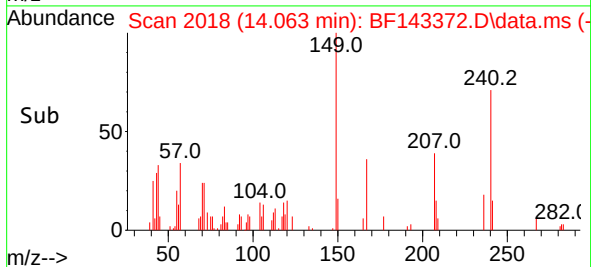
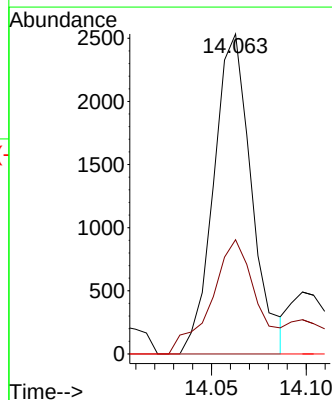
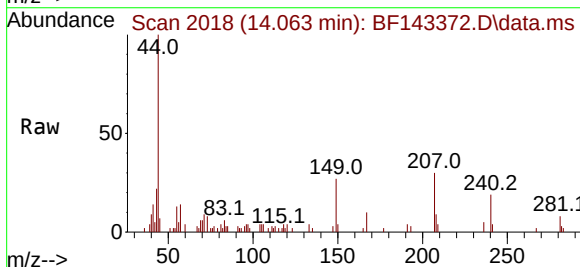
Instrument :
 BNA_F
 ClientSampleId :
 TP-8

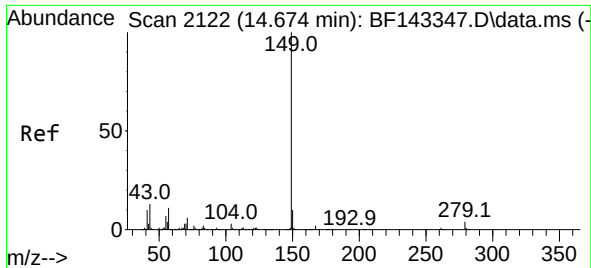
Tgt Ion:	149	Resp:	616
Ion	Ratio	Lower	Upper
149	100		
91	102.4	58.8	88.2#
206	0.0	16.4	24.6#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.383 ng
 RT: 14.063 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: BF143372.D
 Acq: 13 Aug 2025 13:42

Tgt Ion:	149	Resp:	3523
Ion	Ratio	Lower	Upper
149	100		
167	35.7	21.4	32.0#
279	0.0	3.2	4.8#

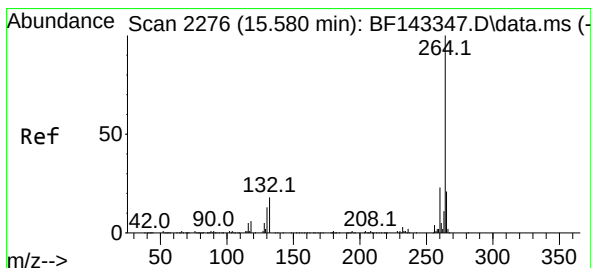
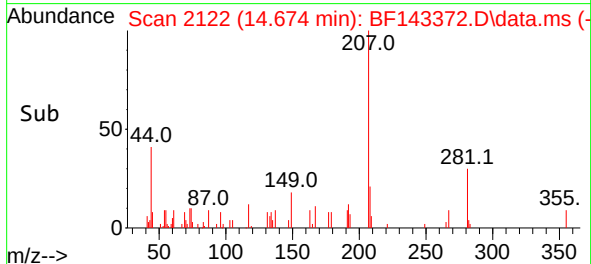
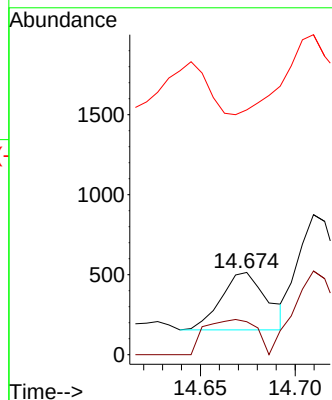
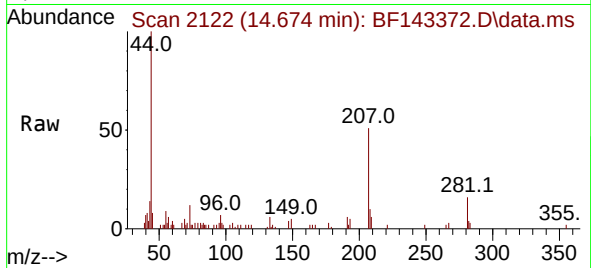




#85
Di-n-octyl phthalate
Concen: 6.057 ng
RT: 14.674 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:149 Resp: 604
Ion Ratio Lower Upper
149 100
167 68.4 1.3 1.9#
43 0.0 10.8 16.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143372.D
Acq: 13 Aug 2025 13:42

Tgt Ion:264 Resp: 353417
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.6 17.2 25.8

