

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051325\
 Data File : BF142344.D
 Acq On : 13 May 2025 15:17
 Operator : RC/JU
 Sample : Q2008-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-AQ-DRUM-633-05092025

Quant Time: May 13 16:02:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

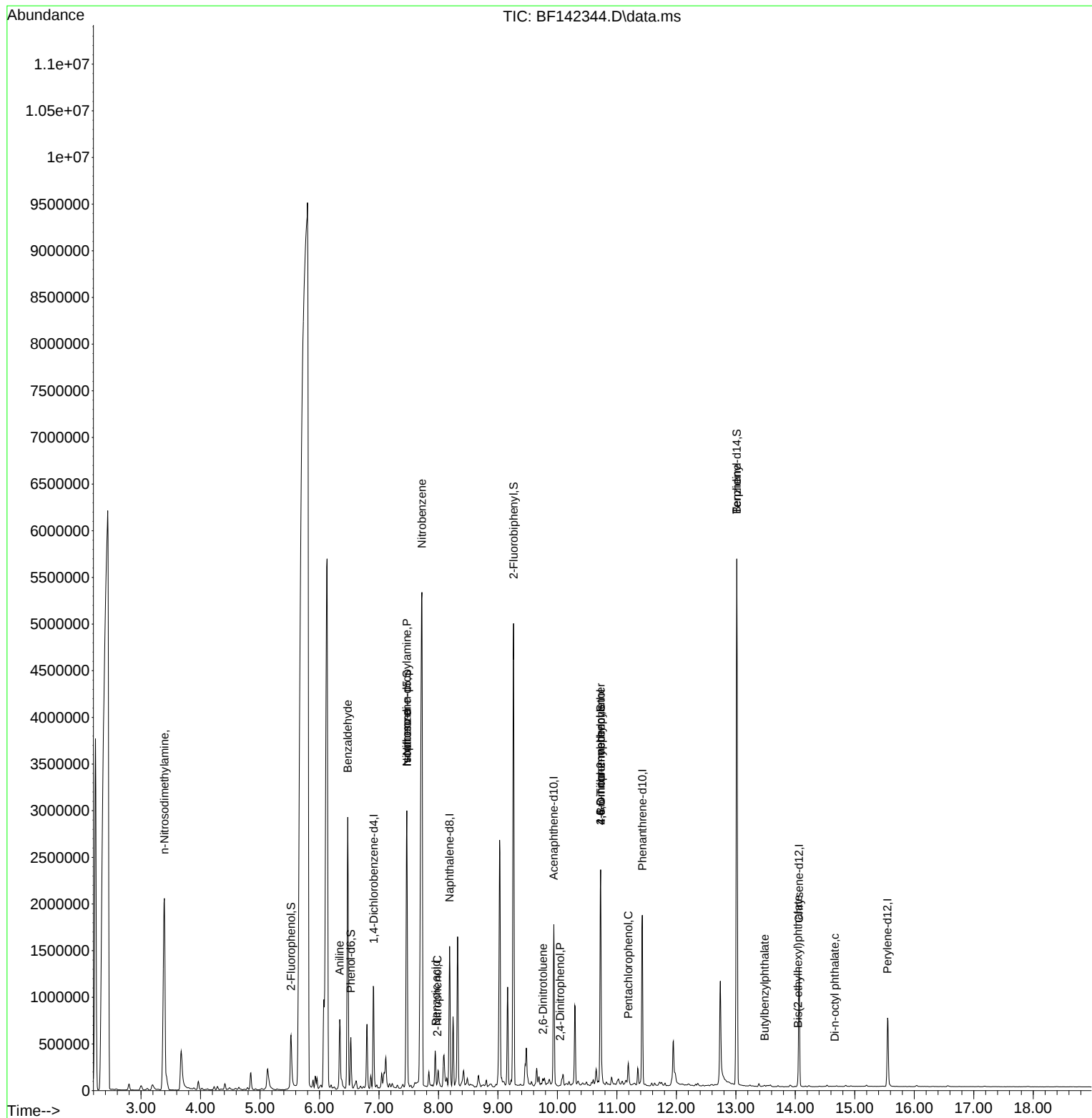
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	241479	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	926949	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	504780	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	920791	20.000	ng	0.00
76) Chrysene-d12	14.063	240	602587	20.000	ng	0.00
86) Perylene-d12	15.551	264	431268	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	276953	19.579	ng	0.01
7) Phenol-d6	6.528	99	229848	13.211	ng	0.00
23) Nitrobenzene-d5	7.469	82	1361104	89.552	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	408763	83.874	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2329379	65.799	ng	0.00
79) Terphenyl-d14	13.016	244	2891916	71.033	ng	0.00
Target Compounds					Qvalue	
4) n-Nitrosodimethylamine	3.393	42	109151	12.557	ng	# 1
6) Aniline	6.340	93	44627	2.615	ng	# 43
9) Benzaldehyde	6.475	77	1207703	118.603	ng	# 1
19) n-Nitroso-di-n-propyla...	7.469	70	184532	17.147	ng	# 77
24) Nitrobenzene	7.722	77	425338	29.688	ng	# 39
25) Isophorone	7.469	82	1352363	46.987	ng	# 62
26) 2-Nitrophenol	7.981	139	55	4.095	ng	# 1
32) Benzoic acid	7.957	122	538	6.086	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	13069	2.154	ng	# 37
54) 2,4-Dinitrophenol	10.045	184	130	7.699	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.728	198	1028	7.389	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	23944	2.294	ng	# 1
70) Pentachlorophenol	11.192	266	27905	4.621	ng	# 1
77) Benzidine	13.016	184	37199	3.397	ng	# 94
80) Butylbenzylphthalate	13.486	149	3417	3.861	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	21514	5.199	ng	99
85) Di-n-octyl phthalate	14.663	149	1352	7.871	ng	# 70

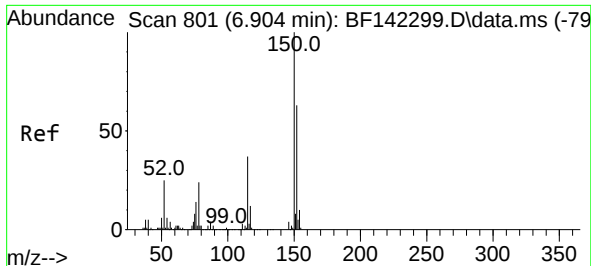
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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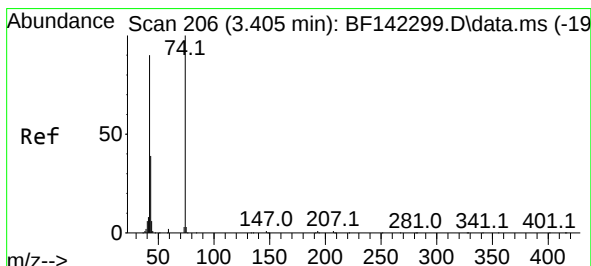
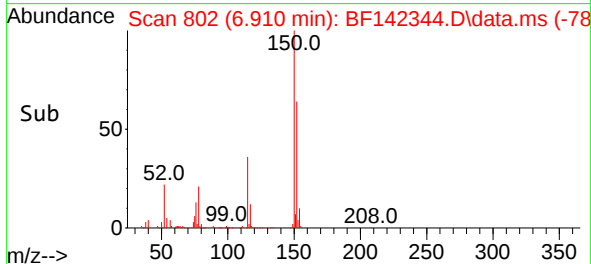
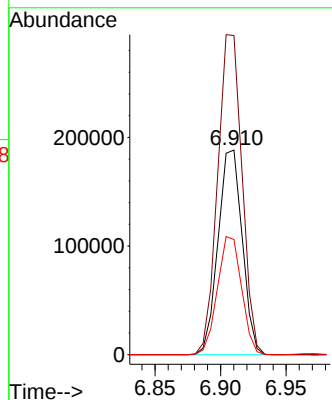
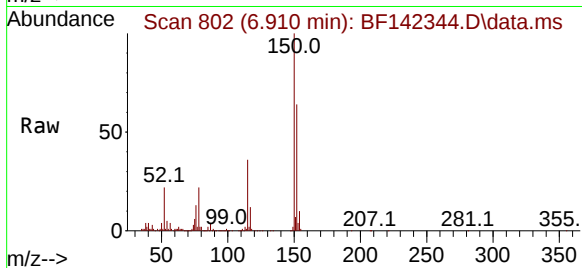




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 801
Delta R.T. 0.006 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

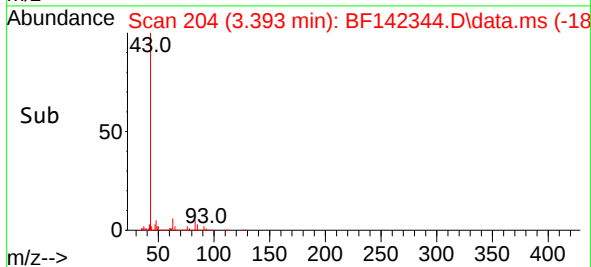
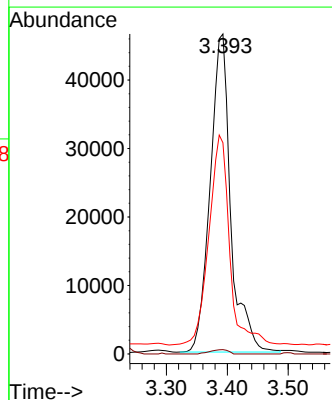
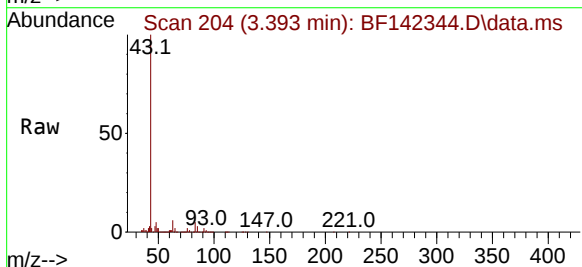
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-DRUM-633-05092025

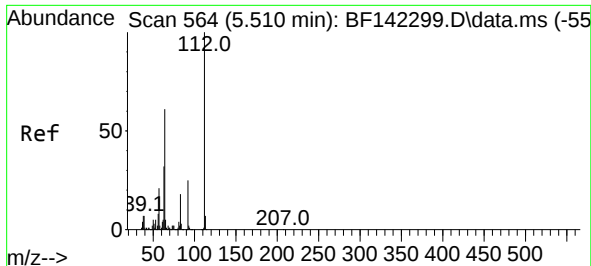
Tgt Ion:152 Resp: 241479
Ion Ratio Lower Upper
152 100
150 155.9 126.6 190.0
115 56.3 47.3 70.9



#4
n-Nitrosodimethylamine
Concen: 12.557 ng
RT: 3.393 min Scan# 204
Delta R.T. -0.012 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

Tgt Ion: 42 Resp: 109151
Ion Ratio Lower Upper
42 100
74 1.4 88.5 132.7#
44 66.0 5.8 8.8#

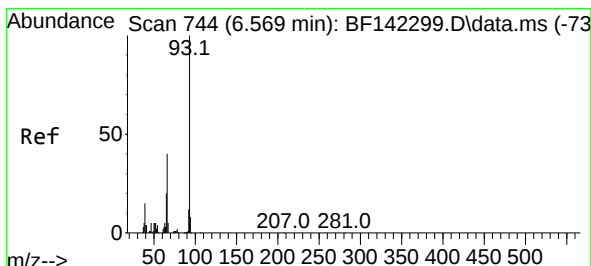
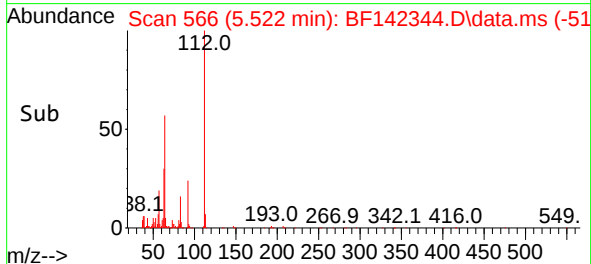
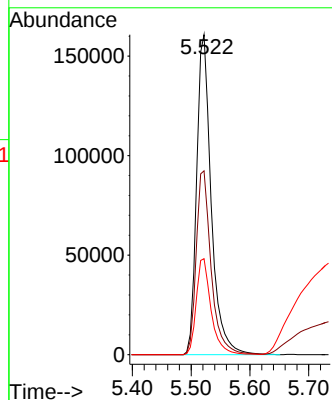
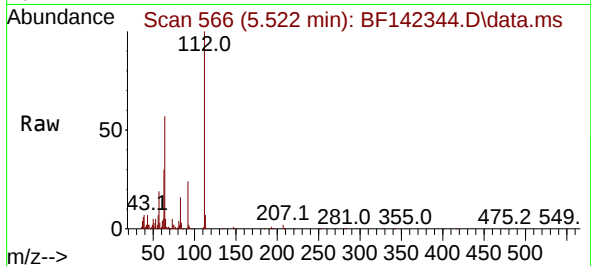




#5
2-Fluorophenol
Concen: 19.579 ng
RT: 5.522 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

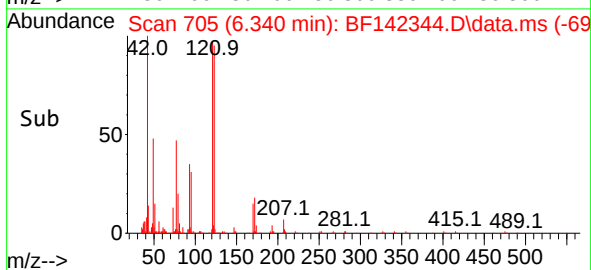
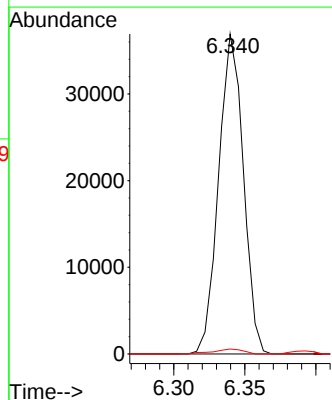
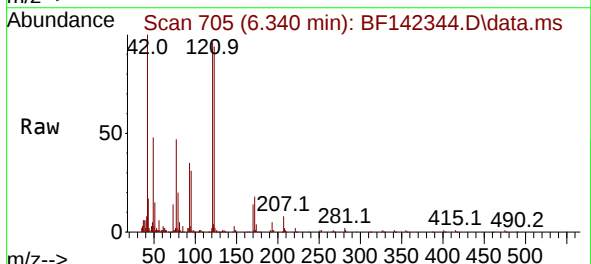
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-DRUM-633-05092025

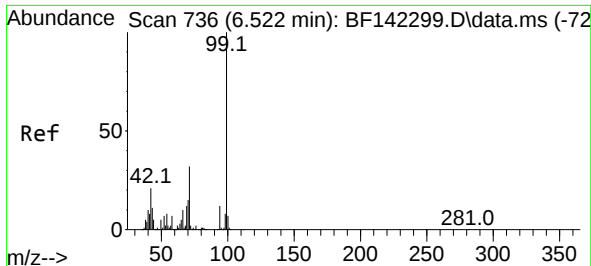
Tgt Ion:112 Resp: 276953
Ion Ratio Lower Upper
112 100
64 57.5 48.9 73.3
63 30.0 25.6 38.4



#6
Aniline
Concen: 2.615 ng
RT: 6.340 min Scan# 705
Delta R.T. -0.229 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

Tgt Ion: 93 Resp: 44627
Ion Ratio Lower Upper
93 100
66 0.0 32.2 48.4#
65 1.6 16.3 24.5#





#7

Phenol-d6

Concen: 13.211 ng

RT: 6.528 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF142344.D

Acq: 13 May 2025 15:17

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-DRUM-633-05092025

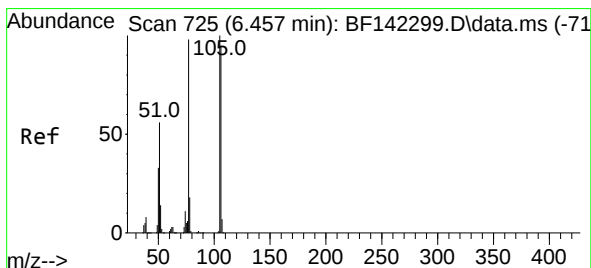
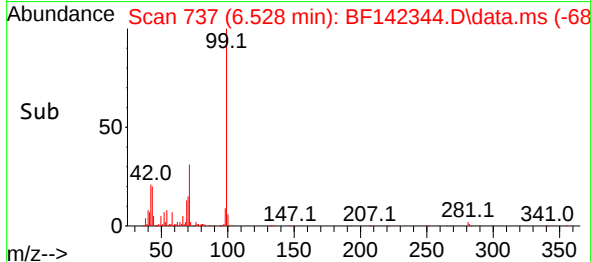
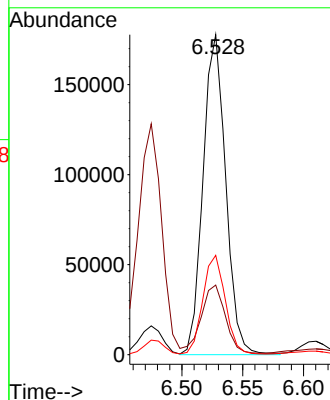
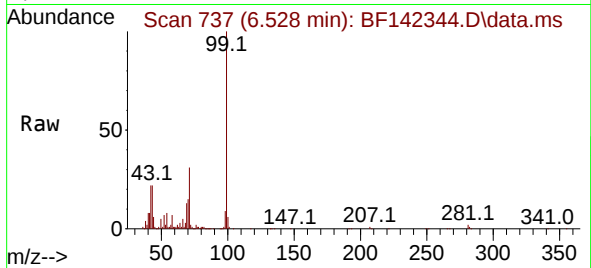
Tgt Ion: 99 Resp: 229848

Ion Ratio Lower Upper

99 100

42 21.8 17.0 25.4

71 31.0 25.8 38.8



#9

Benzaldehyde

Concen: 118.603 ng

RT: 6.475 min Scan# 728

Delta R.T. 0.018 min

Lab File: BF142344.D

Acq: 13 May 2025 15:17

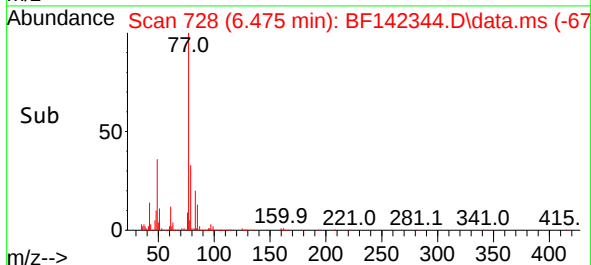
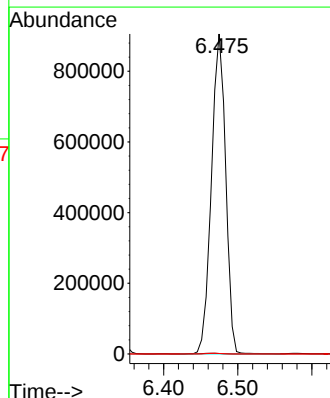
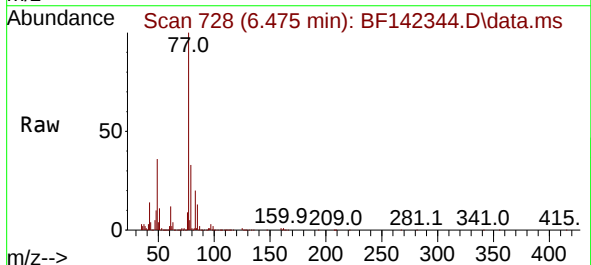
Tgt Ion: 77 Resp: 1207703

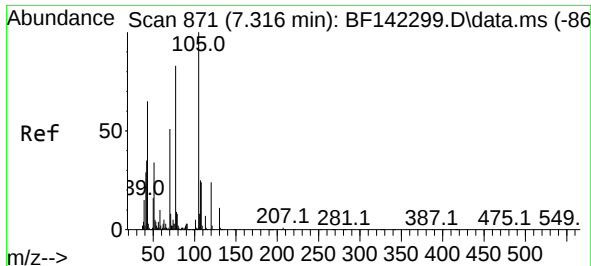
Ion Ratio Lower Upper

77 100

105 0.2 82.0 122.0#

106 0.2 77.2 117.2#

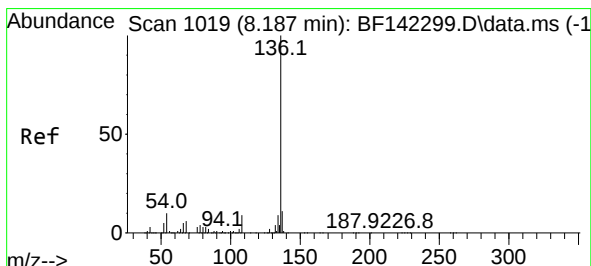
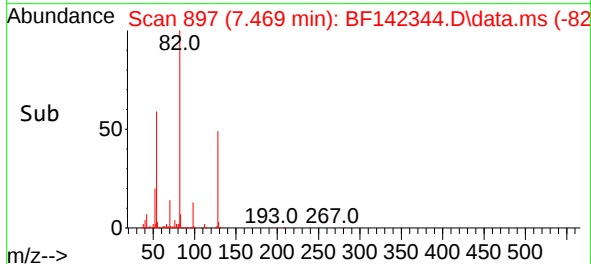
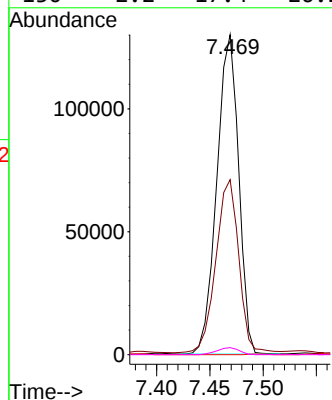
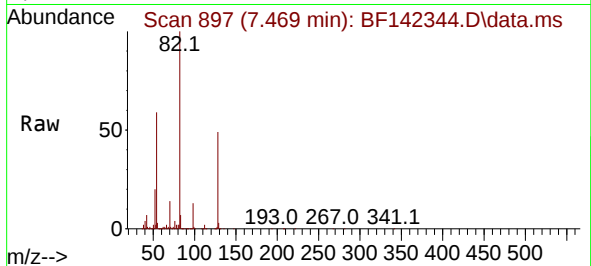




#19
n-Nitroso-di-n-propylamine
Concen: 17.147 ng
RT: 7.469 min Scan# 897
Delta R.T. 0.153 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

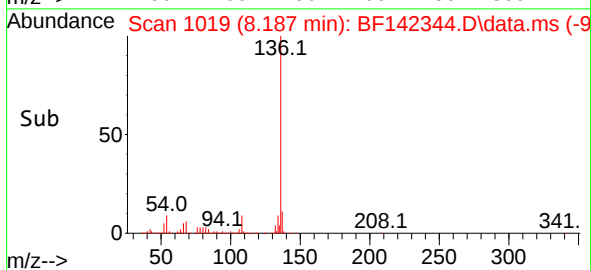
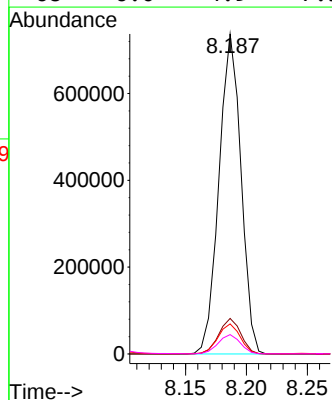
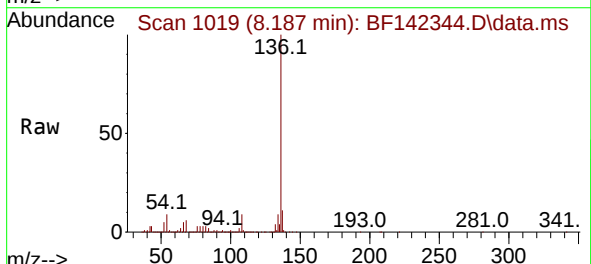
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-DRUM-633-05092025

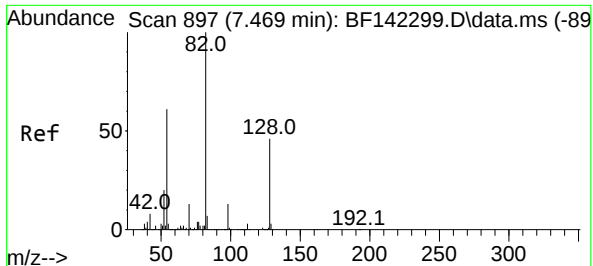
Tgt Ion: 70 Resp: 184532
Ion Ratio Lower Upper
70 100
42 54.7 54.8 82.2#
101 0.0 7.7 11.5#
130 2.2 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

Tgt Ion:136 Resp: 926949
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.4 7.7 11.5
68 6.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 89.552 ng

RT: 7.469 min Scan# 89

Delta R.T. -0.000 min

Lab File: BF142344.D

Acq: 13 May 2025 15:17

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-DRUM-633-05092025

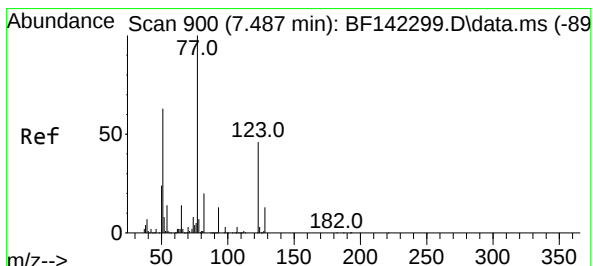
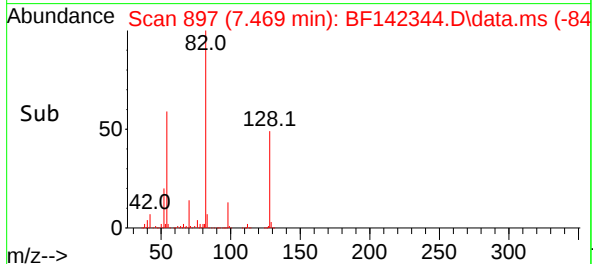
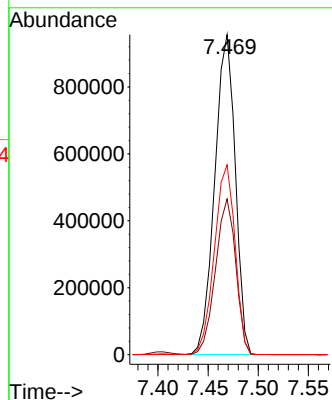
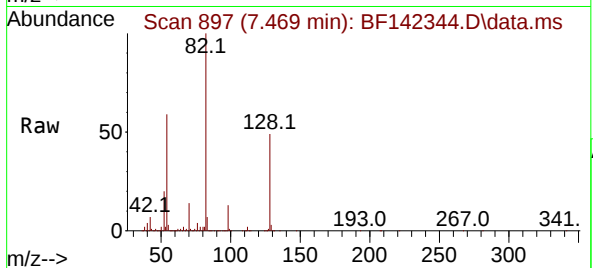
Tgt Ion: 82 Resp: 1361104

Ion Ratio Lower Upper

82 100

128 48.7 37.0 55.6

54 59.3 48.6 73.0



#24

Nitrobenzene

Concen: 29.688 ng

RT: 7.722 min Scan# 940

Delta R.T. 0.235 min

Lab File: BF142344.D

Acq: 13 May 2025 15:17

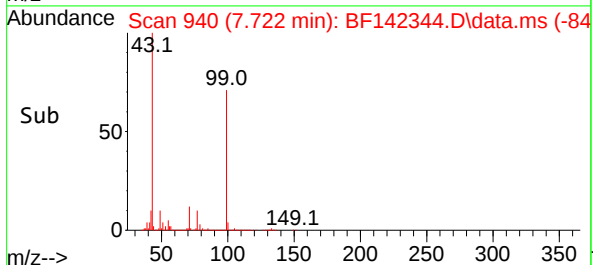
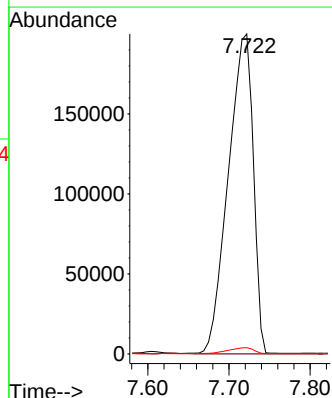
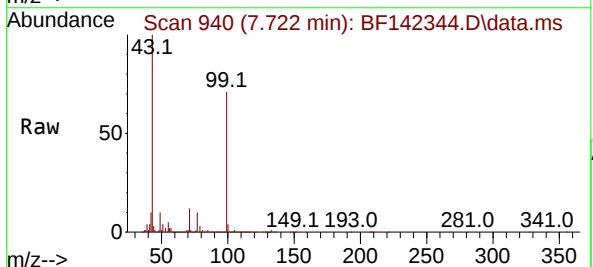
Tgt Ion: 77 Resp: 425338

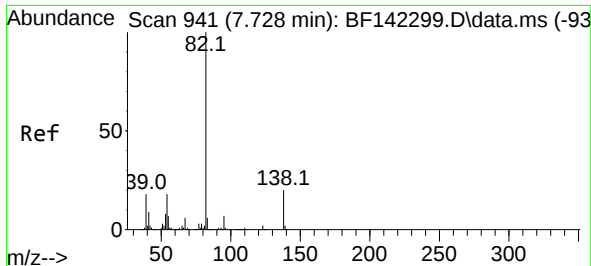
Ion Ratio Lower Upper

77 100

123 0.0 37.8 56.8#

65 2.0 11.4 17.0#

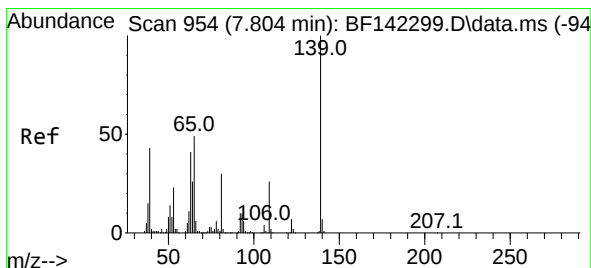
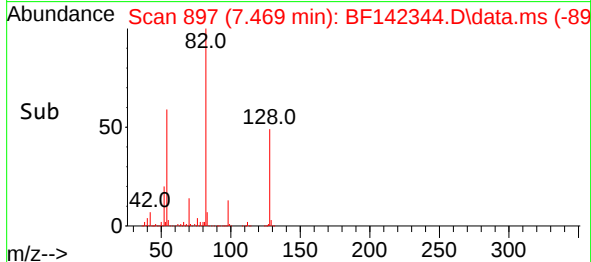
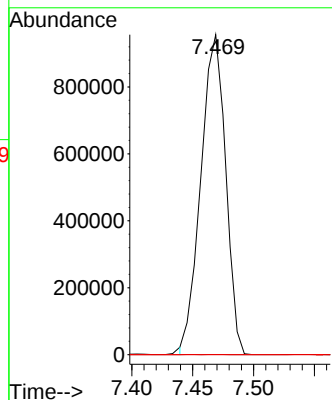
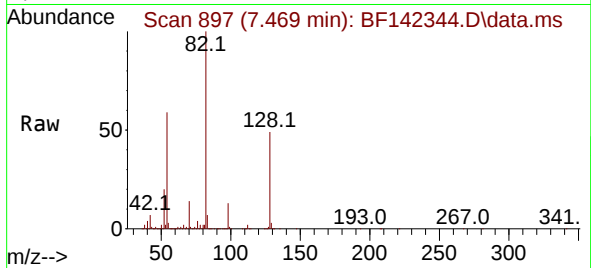




#25
Isophorone
Concen: 46.987 ng
RT: 7.469 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

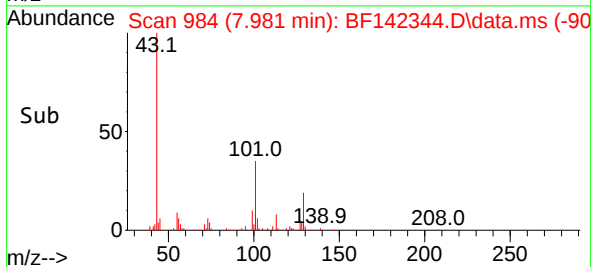
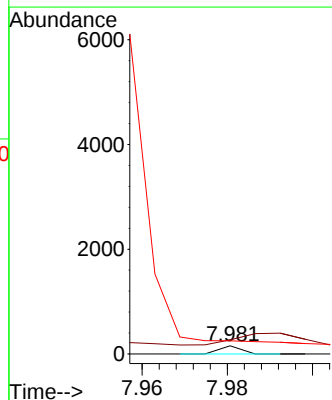
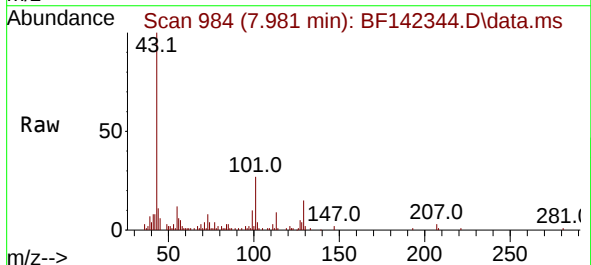
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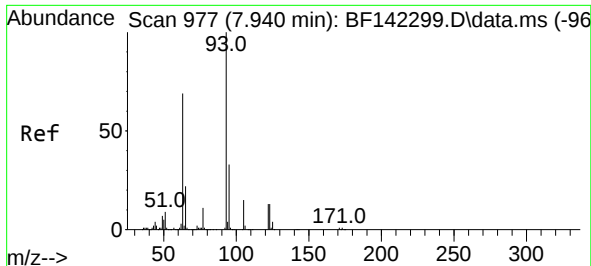
Tgt Ion: 82 Resp: 1352363
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.095 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.177 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

Tgt Ion:139 Resp: 55
Ion Ratio Lower Upper
139 100
109 172.4 20.8 31.2#
65 161.5 38.9 58.3#

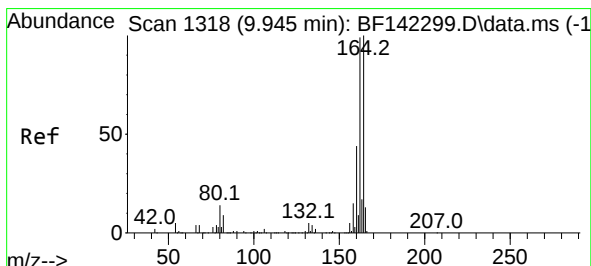
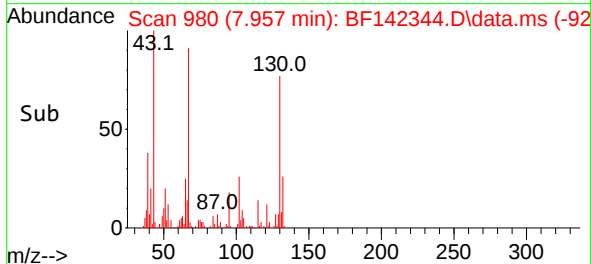
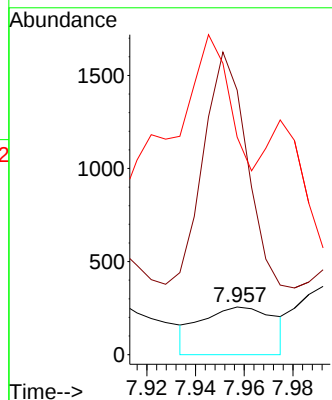
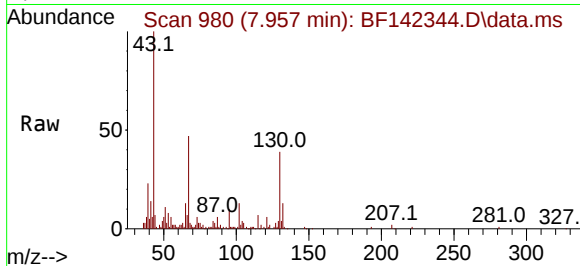




#32
Benzoic acid
Concen: 6.086 ng
RT: 7.957 min Scan# 91
Delta R.T. 0.017 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

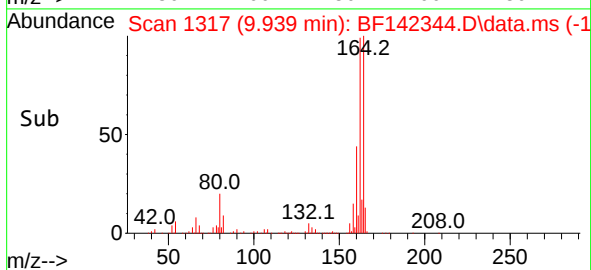
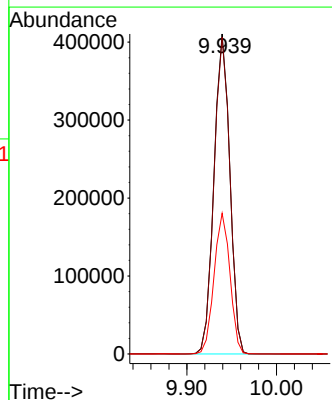
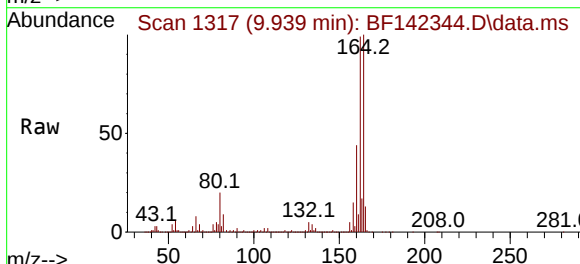
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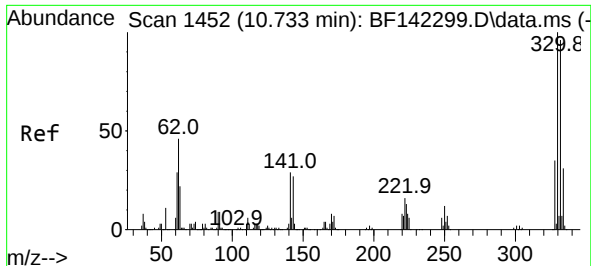
Tgt Ion:122 Resp: 538
Ion Ratio Lower Upper
122 100
105 555.1 97.9 137.9#
77 456.6 67.7 107.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

Tgt Ion:164 Resp: 504780
Ion Ratio Lower Upper
164 100
162 99.0 79.2 118.8
160 44.0 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 83.874 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142344.D

Acq: 13 May 2025 15:17

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-DRUM-633-05092025

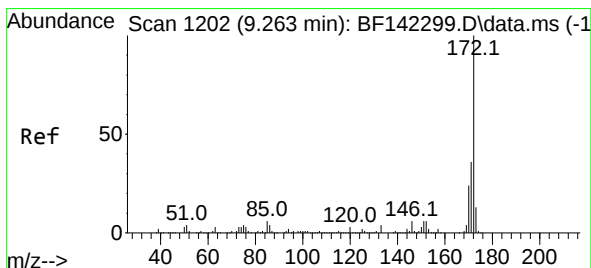
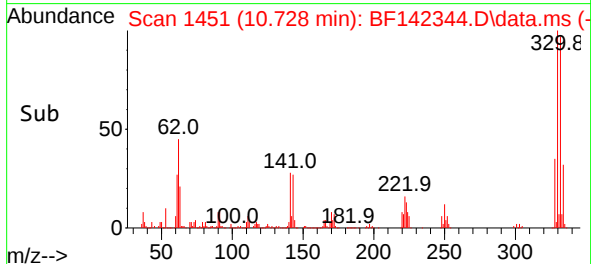
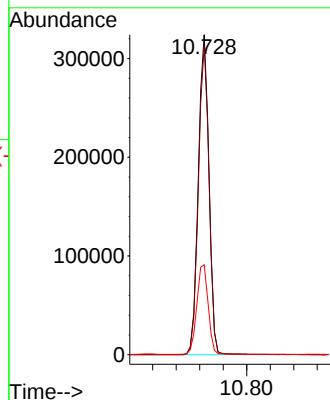
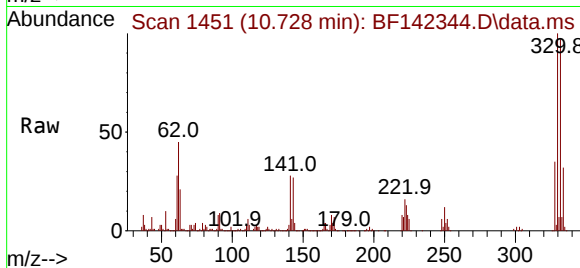
Tgt Ion:330 Resp: 408763

Ion Ratio Lower Upper

330 100

332 96.2 76.8 115.2

141 29.9 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 65.799 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.000 min

Lab File: BF142344.D

Acq: 13 May 2025 15:17

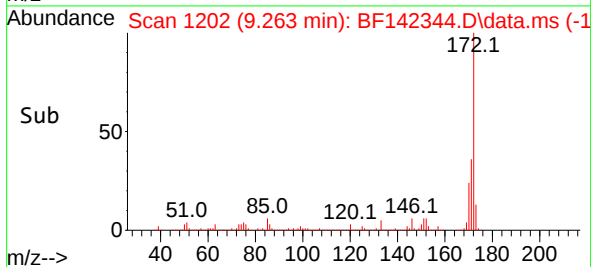
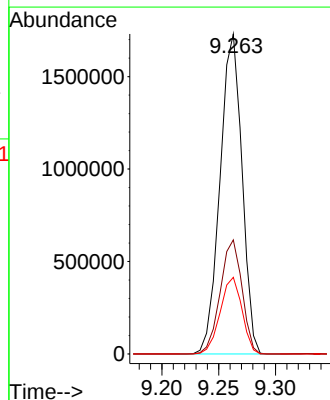
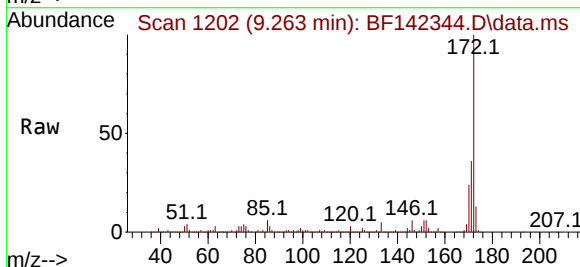
Tgt Ion:172 Resp: 2329379

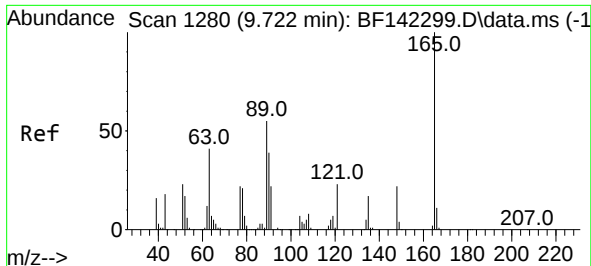
Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

170 24.0 19.0 28.4

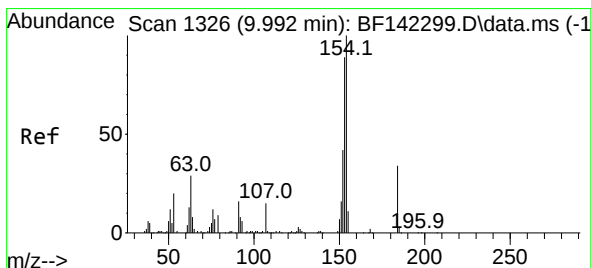
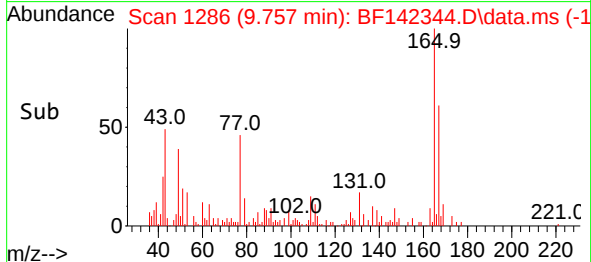
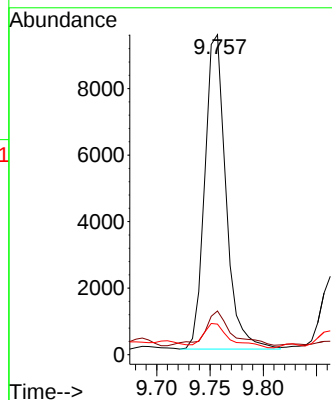
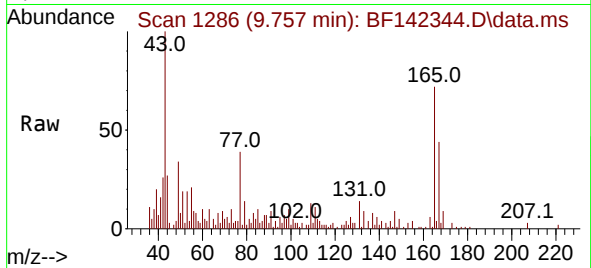




#51
2,6-Dinitrotoluene
Concen: 2.154 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

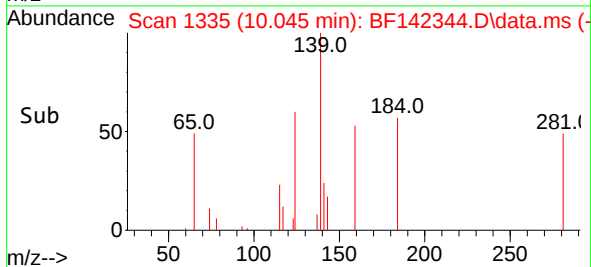
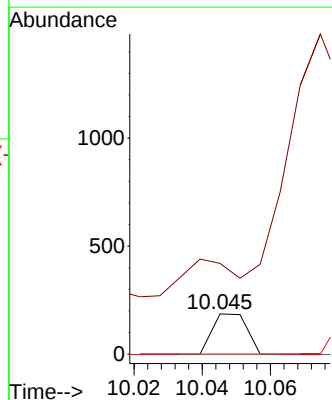
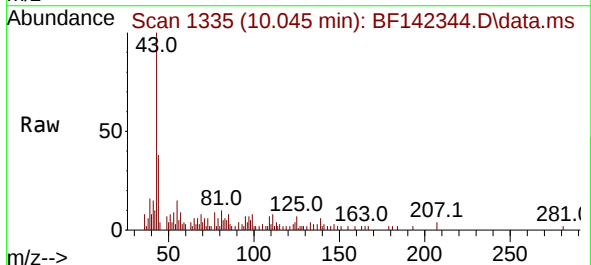
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-DRUM-633-05092025

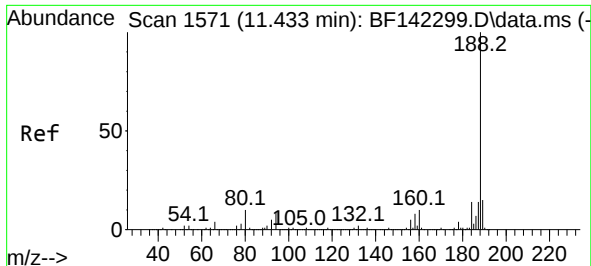
Tgt Ion:165 Resp: 13069
Ion Ratio Lower Upper
165 100
63 13.7 49.5 74.3#
89 9.5 44.6 66.8#



#54
2,4-Dinitrophenol
Concen: 7.699 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.053 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

Tgt Ion:184 Resp: 130
Ion Ratio Lower Upper
184 100
63 225.8 70.6 105.8#
154 0.0 257.2 385.8#

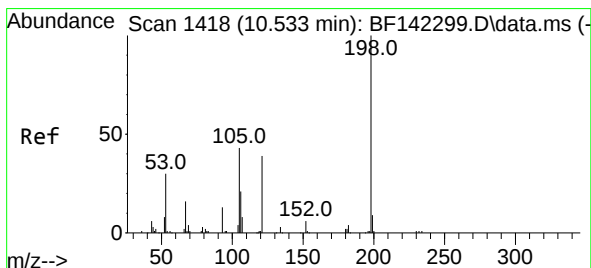
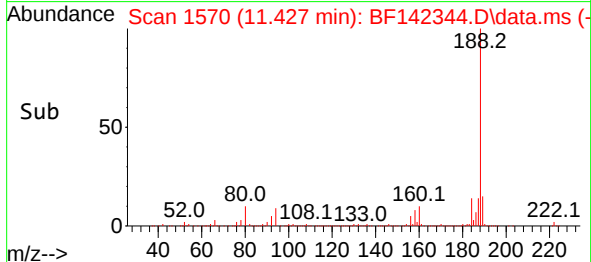
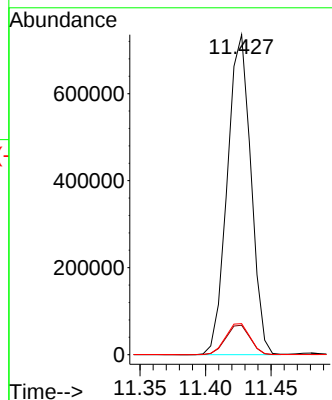
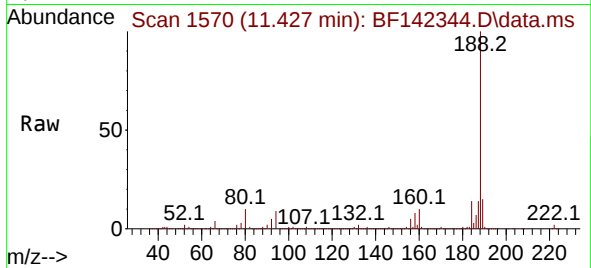




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

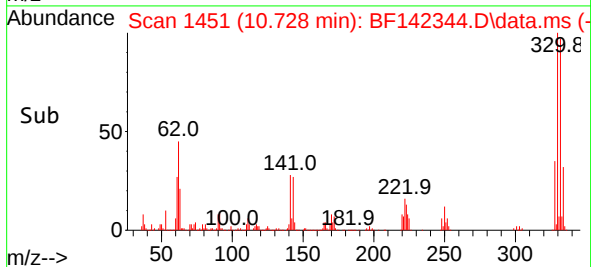
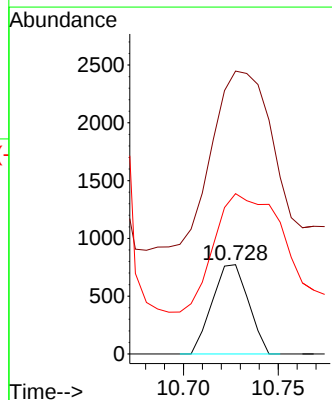
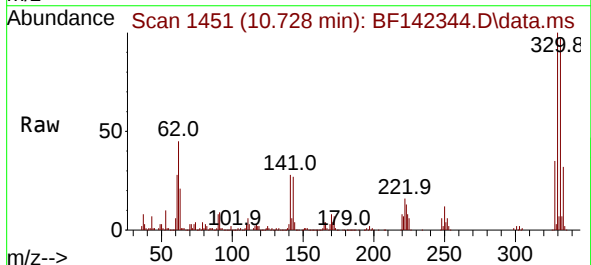
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-DRUM-633-05092025

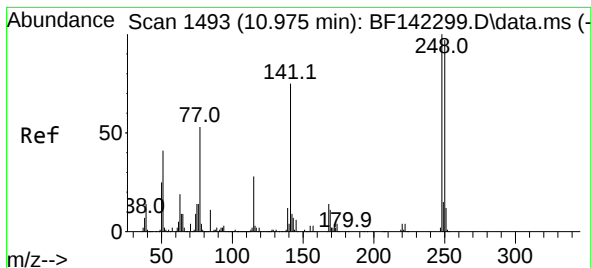
Tgt Ion:188 Resp: 920791
Ion Ratio Lower Upper
188 100
94 9.2 7.5 11.3
80 9.7 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.389 ng
RT: 10.728 min Scan# 1451
Delta R.T. 0.195 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

Tgt Ion:198 Resp: 1028
Ion Ratio Lower Upper
198 100
51 317.1 32.9 72.9#
105 179.8 23.7 63.7#

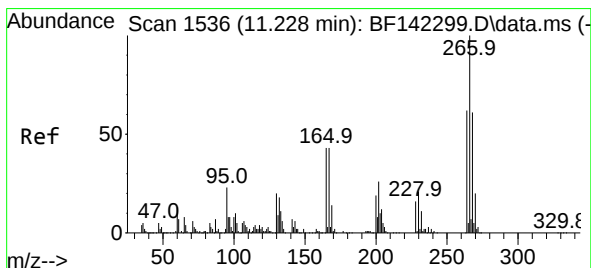
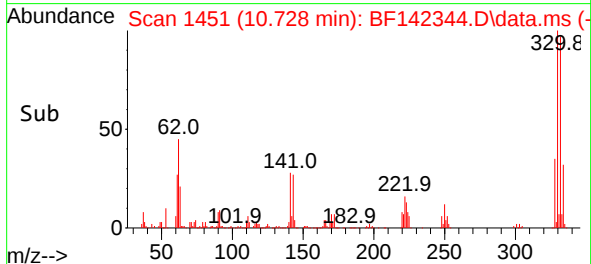
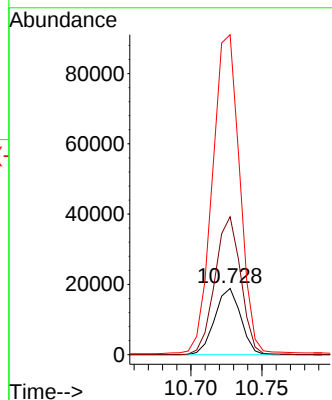
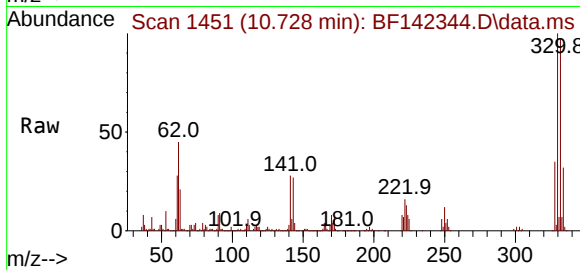




#67
4-Bromophenyl-phenylether
Concen: 2.294 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

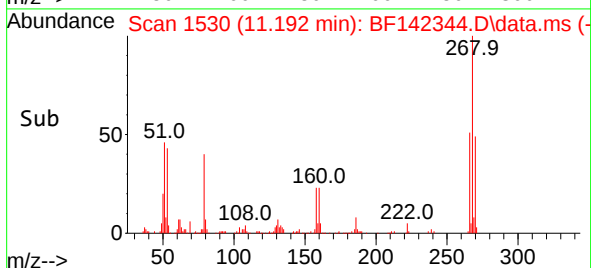
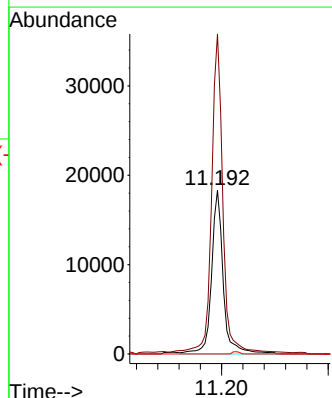
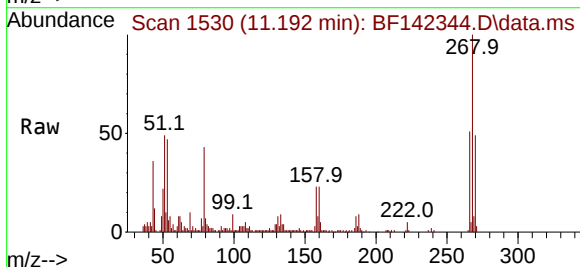
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-DRUM-633-05092025

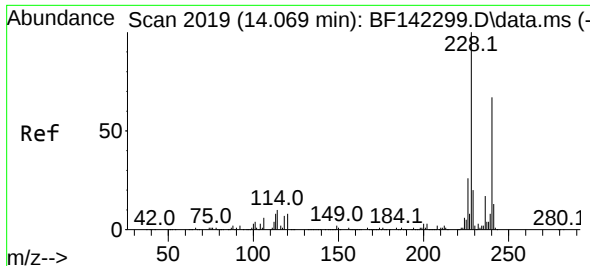
Tgt Ion:248 Resp: 23944
Ion Ratio Lower Upper
248 100
250 207.9 77.9 116.9#
141 482.5 59.8 89.8#



#70
Pentachlorophenol
Concen: 4.621 ng
RT: 11.192 min Scan# 1530
Delta R.T. -0.035 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

Tgt Ion:266 Resp: 27905
Ion Ratio Lower Upper
266 100
268 195.6 48.7 73.1#
264 0.0 49.8 74.6#

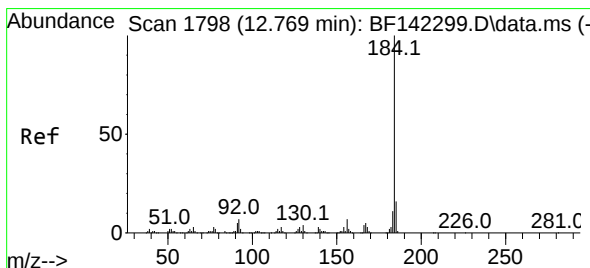
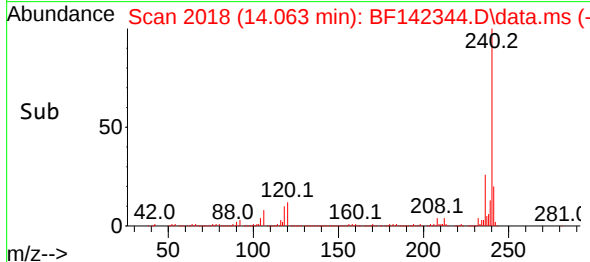
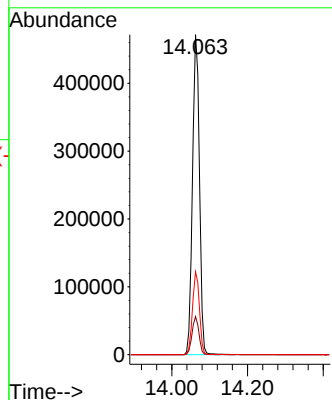
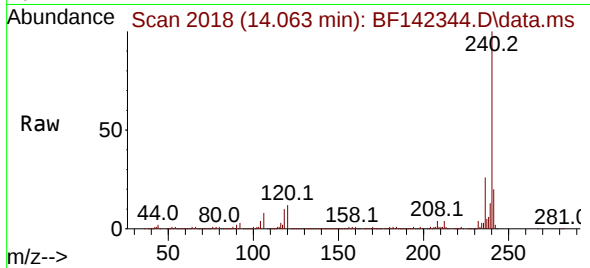




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

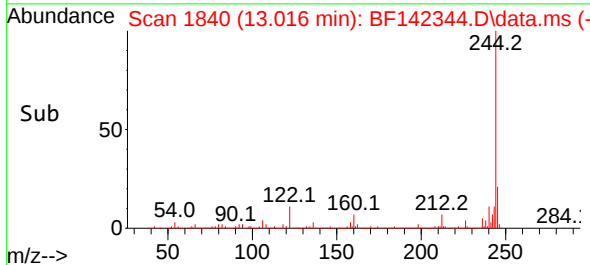
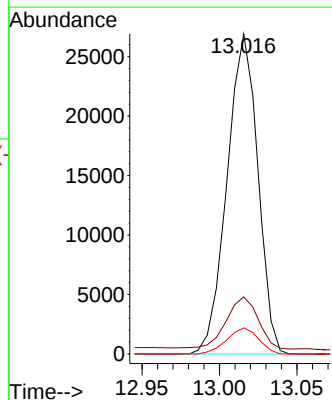
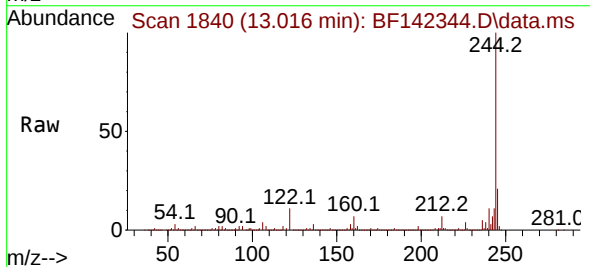
Instrument :
BNA_F
ClientSampleId :
IDW-AQ-DRUM-633-05092025

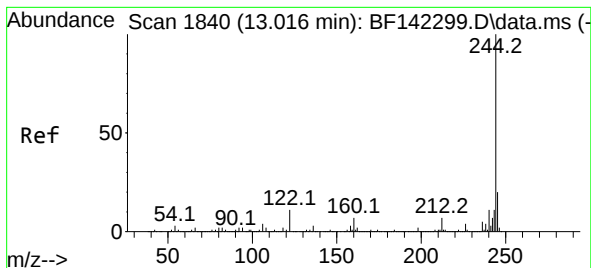
Tgt Ion:240 Resp: 602587
Ion Ratio Lower Upper
240 100
120 11.9 9.7 14.5
236 25.9 20.0 30.0



#77
Benidine
Concen: 3.397 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.247 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

Tgt Ion:184 Resp: 37199
Ion Ratio Lower Upper
184 100
185 17.9 12.6 18.8
183 8.1 8.6 12.8#





#79

Terphenyl-d14

Concen: 71.033 ng

RT: 13.016 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF142344.D

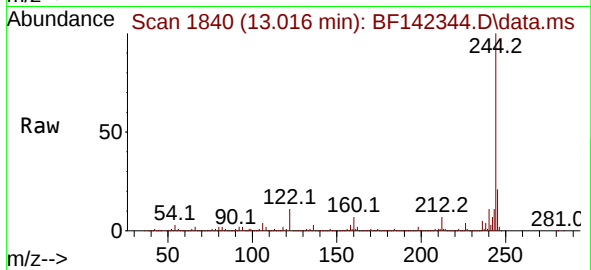
Acq: 13 May 2025 15:17

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-DRUM-633-05092025



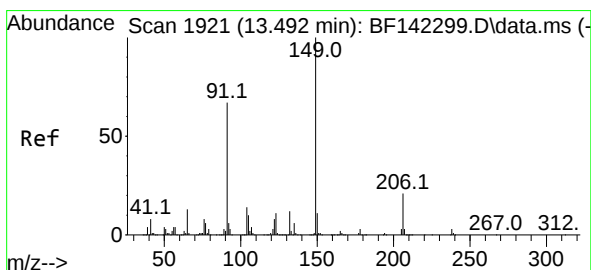
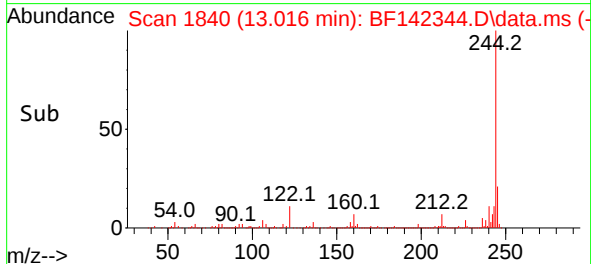
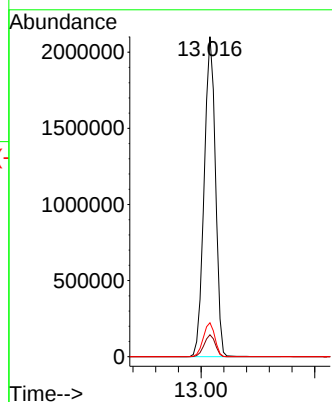
Tgt Ion:244 Resp: 2891916

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 10.6 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.861 ng

RT: 13.486 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF142344.D

Acq: 13 May 2025 15:17

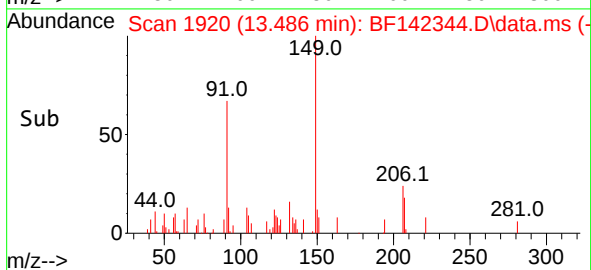
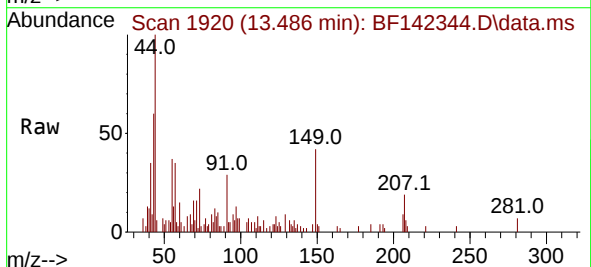
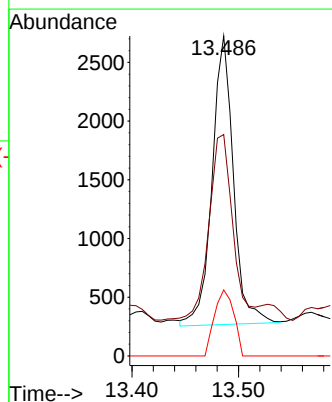
Tgt Ion:149 Resp: 3417

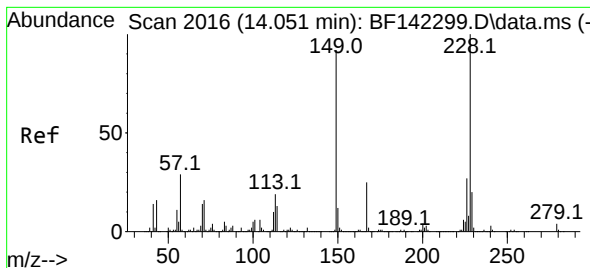
Ion Ratio Lower Upper

149 100

91 69.2 53.8 80.6

206 20.7 16.6 24.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.199 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142344.D

Acq: 13 May 2025 15:17

Instrument :

BNA_F

ClientSampleId :

IDW-AQ-DRUM-633-05092025

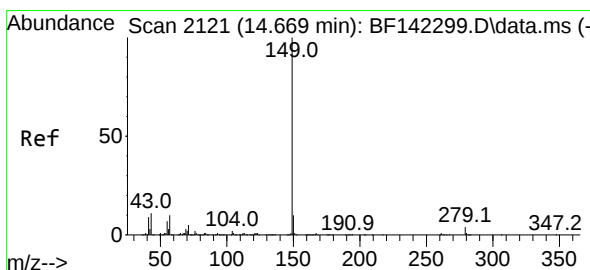
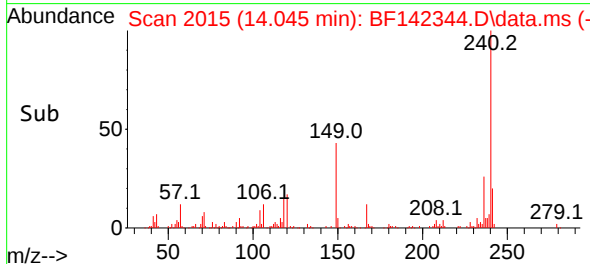
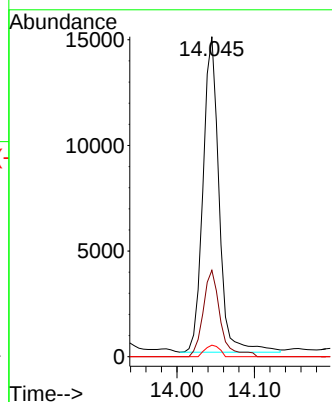
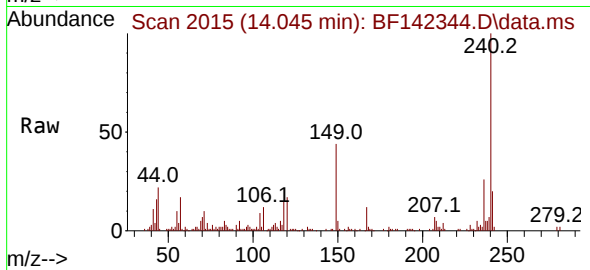
Tgt Ion:149 Resp: 21514

Ion Ratio Lower Upper

149 100

167 27.0 22.0 33.0

279 3.6 3.0 4.6



#85

Di-n-octyl phthalate

Concen: 7.871 ng

RT: 14.663 min Scan# 2120

Delta R.T. -0.006 min

Lab File: BF142344.D

Acq: 13 May 2025 15:17

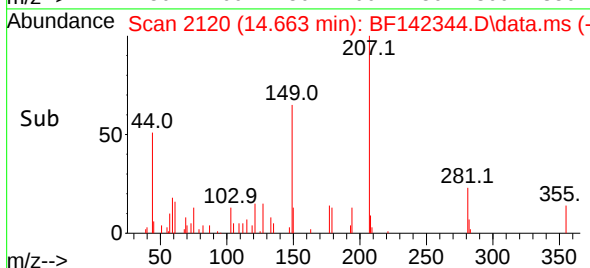
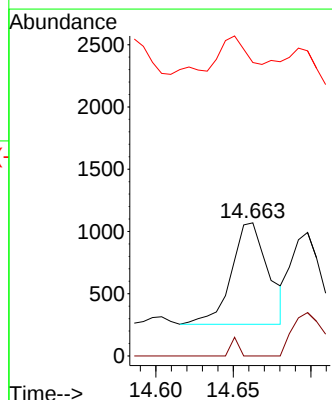
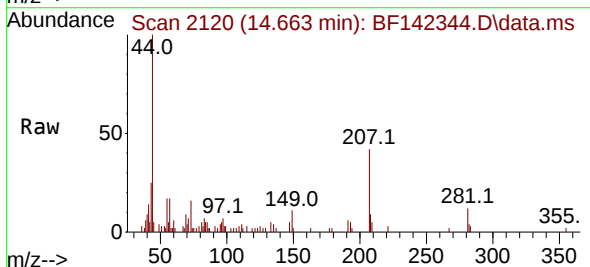
Tgt Ion:149 Resp: 1352

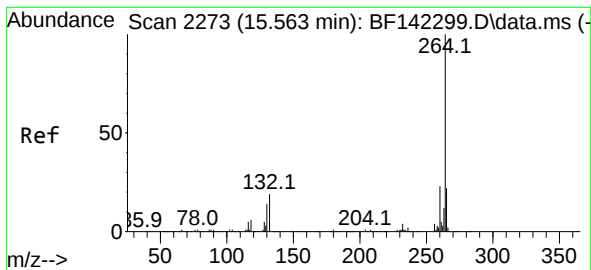
Ion Ratio Lower Upper

149 100

167 3.9 1.1 1.7#

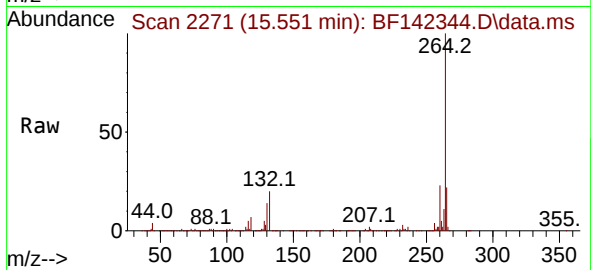
43 24.2 9.2 13.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142344.D
Acq: 13 May 2025 15:17

Instrument :
BNA_F
ClientSampleId :
IDW-AQ-DRUM-633-05092025



Tgt Ion:264 Resp: 431268
Ion Ratio Lower Upper
264 100
260 23.0 18.6 27.8
265 21.8 17.5 26.3

