

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142371.D
 Acq On : 14 May 2025 17:44
 Operator : RC/JU
 Sample : Q2001-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-A4-03-C

Quant Time: May 14 18:25:11 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)

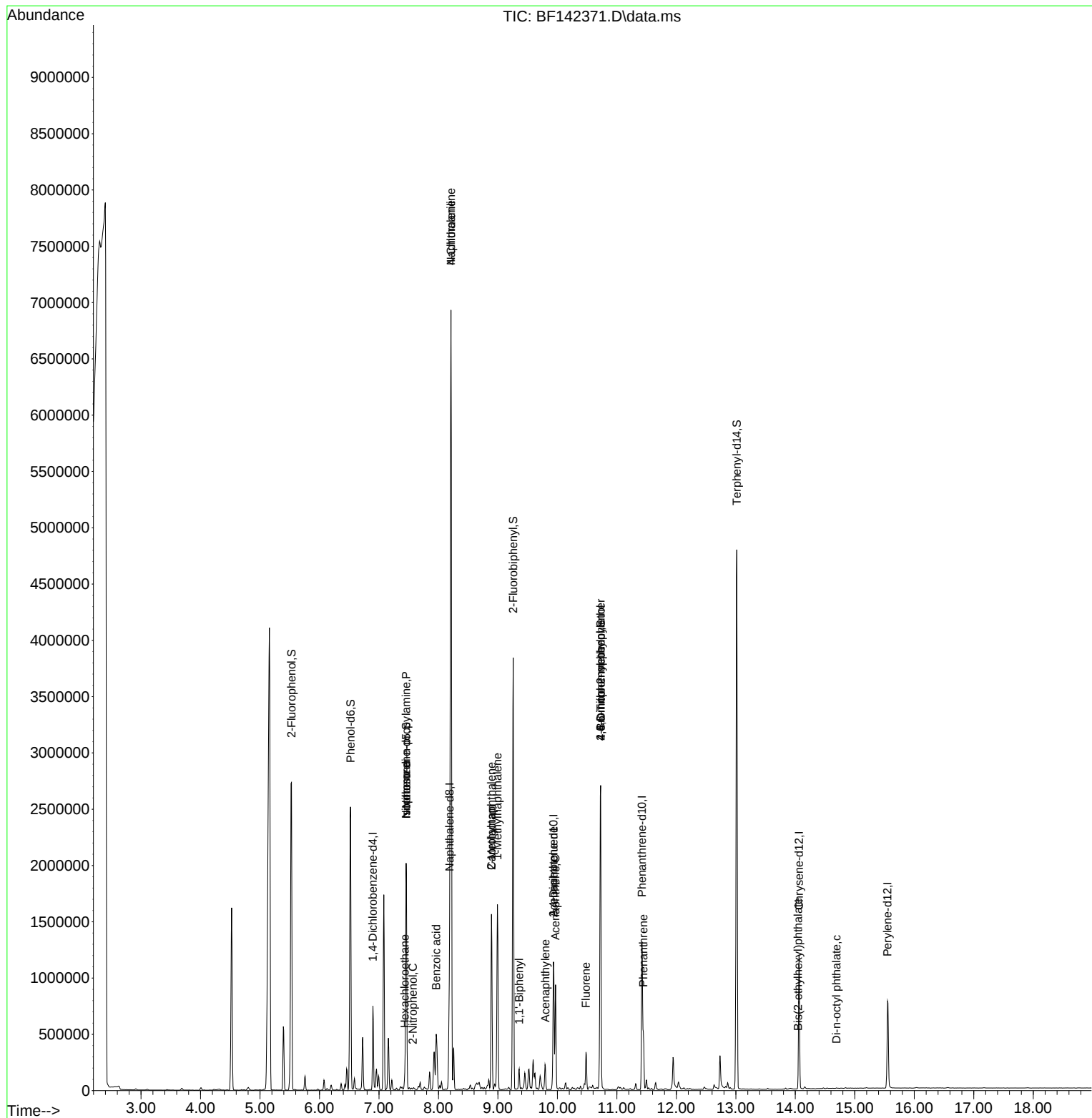
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	157065	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	607562	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	356894	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	679403	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	566544	20.000	ng	0.00
86) Perylene-d12	15.551	264	464654	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1063336	115.570	ng	0.02
7) Phenol-d6	6.522	99	1231475	108.823	ng	0.00
23) Nitrobenzene-d5	7.457	82	826771	82.991	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	529383	153.634	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1795415	71.731	ng	0.00
79) Terphenyl-d14	13.016	244	2521198	65.867	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.434	117	12915	3.437	ng	# 1
19) n-Nitroso-di-n-propyla...	7.457	70	111432	15.919	ng	# 77
25) Isophorone	7.457	82	791140	41.938	ng	# 62
26) 2-Nitrophenol	7.569	139	53	4.098	ng	# 13
31) Naphthalene	8.210	128	4820265	163.699	ng	96
32) Benzoic acid	7.963	122	5273	7.073	ng	# 1
33) 4-Chloroaniline	8.210	127	700870	58.331	ng	# 32
35) Caprolactam	8.892	113	11168	4.752	ng	# 1
37) 2-Methylnaphthalene	8.892	142	609422	33.307	ng	100
38) 1-Methylnaphthalene	8.992	142	630532	33.063	ng	99
46) 1,1'-Biphenyl	9.357	154	83235	3.042	ng	99
49) Acenaphthylene	9.798	152	94454	2.775	ng	# 97
52) Acenaphthene	9.969	154	286577	14.000	ng	98
57) 2,4-Dinitrotoluene	9.933	165	48468	8.808	ng	# 25
58) Fluorene	10.480	166	153222	6.646	ng	99
65) 4,6-Dinitro-2-methylph...	10.727	198	1057	7.469	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	31760	4.125	ng	# 1
71) Phenanthrene	11.445	178	255297	7.169	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	1182	4.293	ng	# 98
85) Di-n-octyl phthalate	14.692	149	476	7.851	ng	# 1

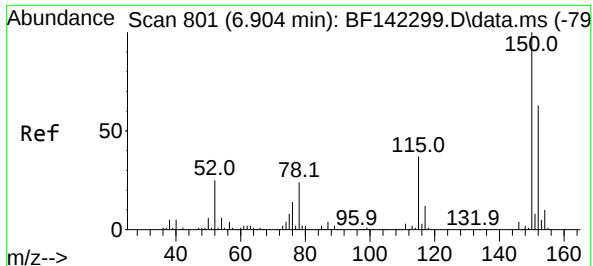
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
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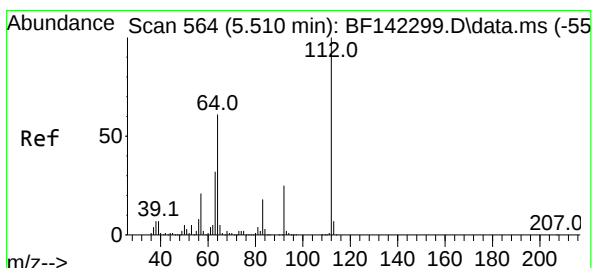
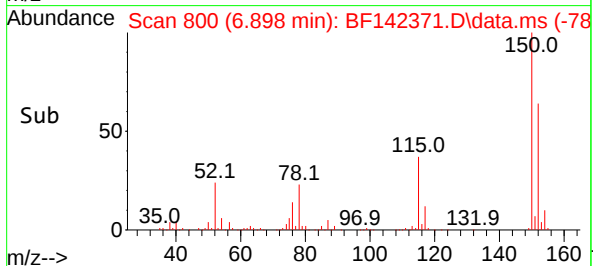
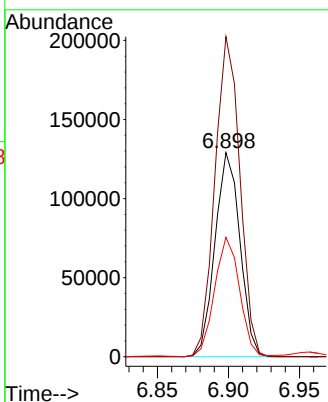
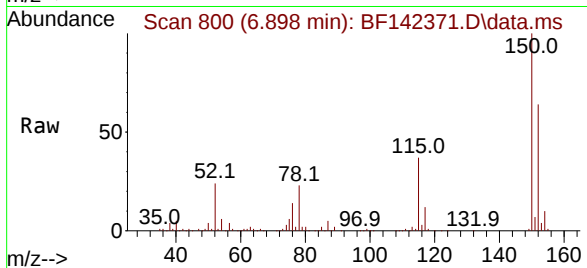




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

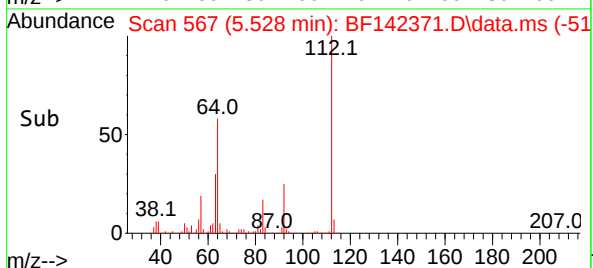
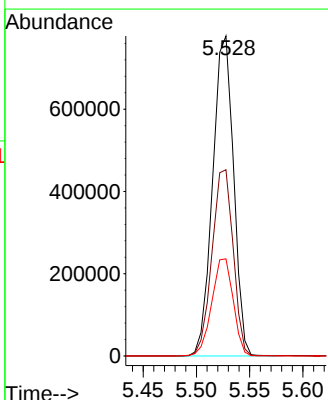
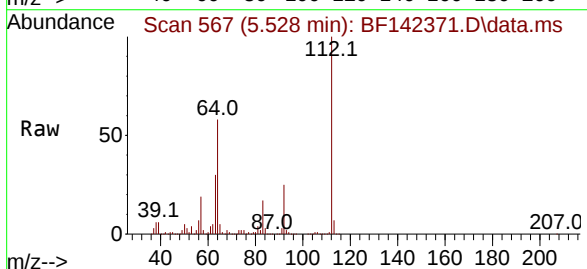
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BNA_F
ClientSampleId :
WC-A4-03-C

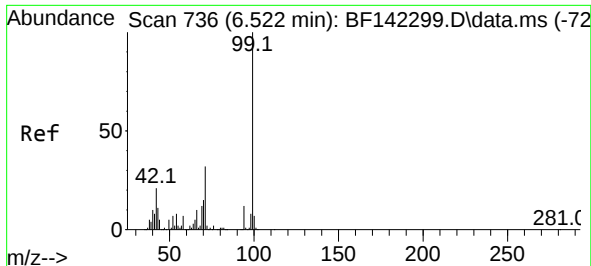
Tgt Ion:152 Resp: 157065
Ion Ratio Lower Upper
152 100
150 156.8 126.6 190.0
115 58.5 47.3 70.9



#5
2-Fluorophenol
Concen: 115.570 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:112 Resp: 1063336
Ion Ratio Lower Upper
112 100
64 58.2 48.9 73.3
63 30.4 25.6 38.4

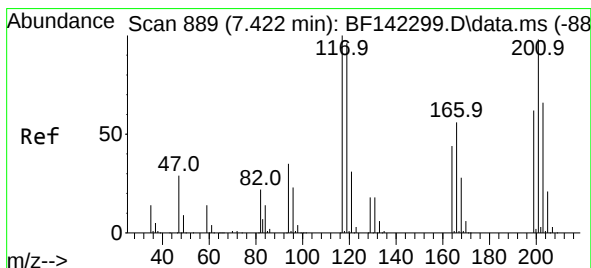
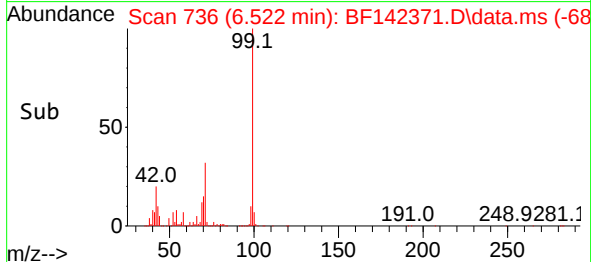
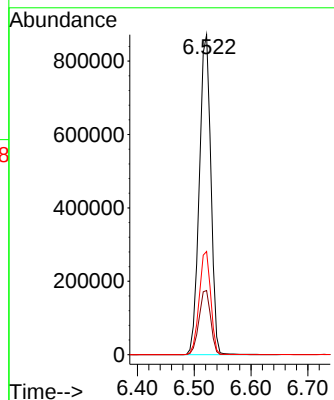
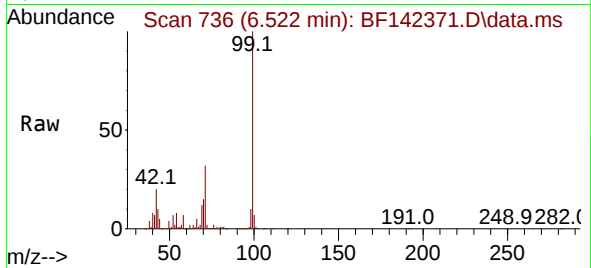




#7
Phenol-d6
Concen: 108.823 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

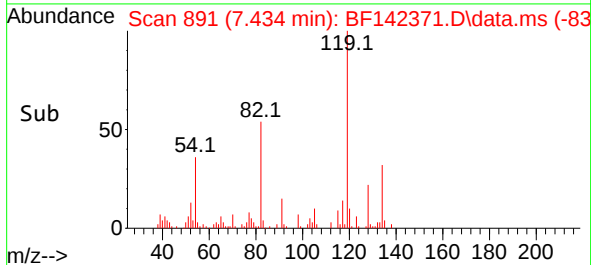
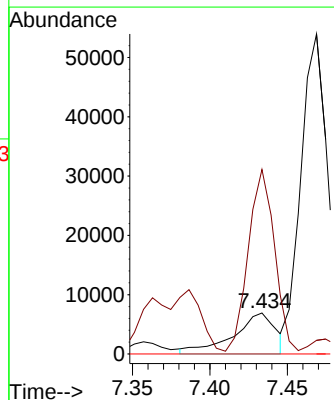
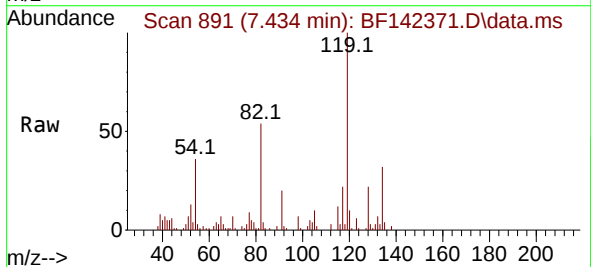
Instrument :
BNA_F
ClientSampleId :
WC-A4-03-C

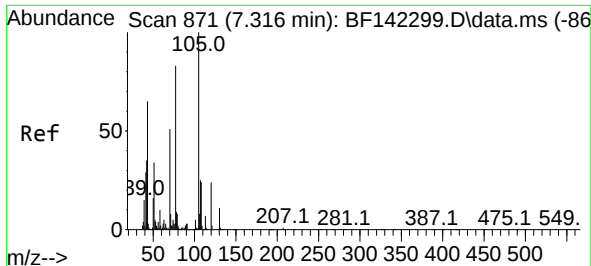
Tgt Ion: 99 Resp: 1231475
Ion Ratio Lower Upper
99 100
42 20.1 17.0 25.4
71 32.2 25.8 38.8



#18
Hexachloroethane
Concen: 3.437 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.012 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion: 117 Resp: 12915
Ion Ratio Lower Upper
117 100
119 450.4 76.9 115.3#
201 0.0 78.0 117.0#

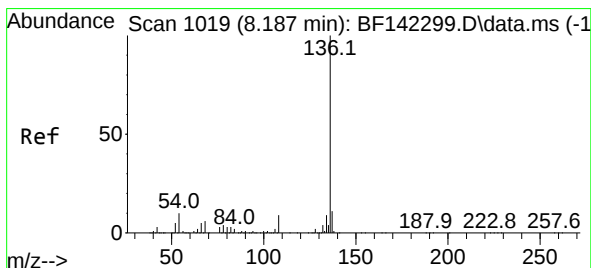
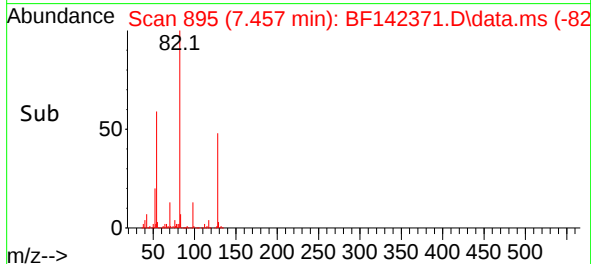
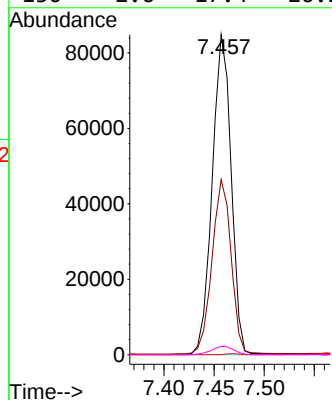
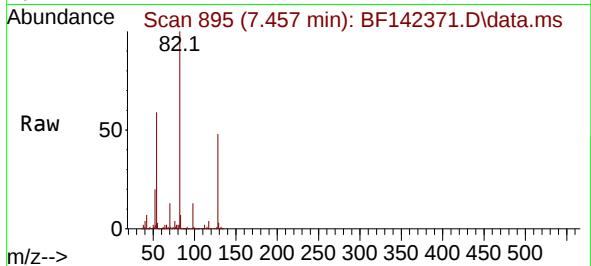




#19
n-Nitroso-di-n-propylamine
Concen: 15.919 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

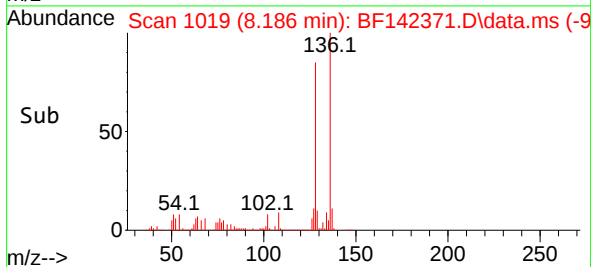
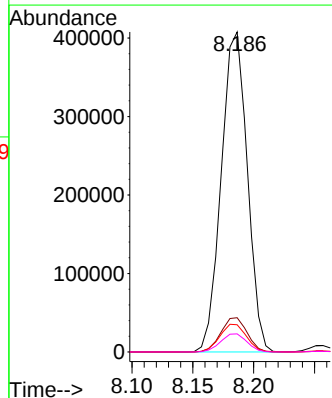
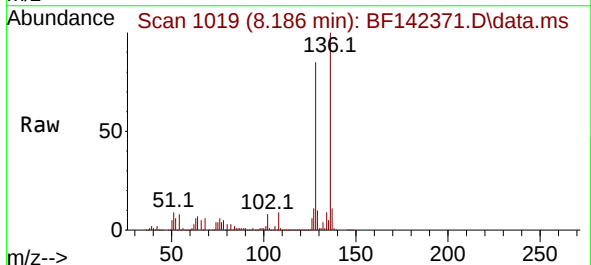
Instrument :
BNA_F
ClientSampleId :
WC-A4-03-C

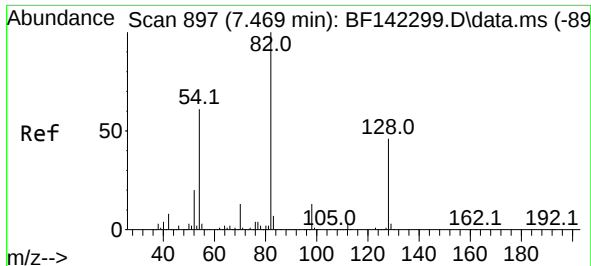
Tgt Ion: 70 Resp: 111432
Ion Ratio Lower Upper
70 100
42 54.7 54.8 82.2#
101 0.0 7.7 11.5#
130 2.6 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion: 136 Resp: 607562
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.5 7.7 11.5
68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 82.991 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142371.D

Acq: 14 May 2025 17:44

Instrument :

BNA_F

ClientSampleId :

WC-A4-03-C

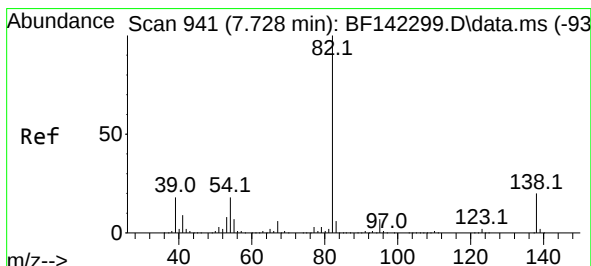
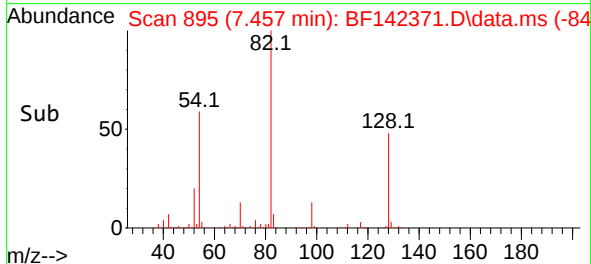
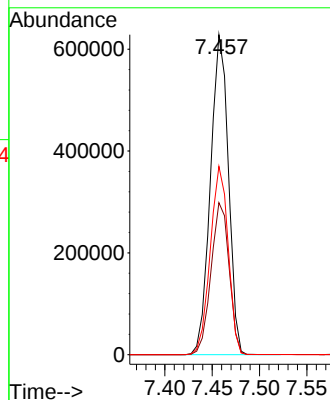
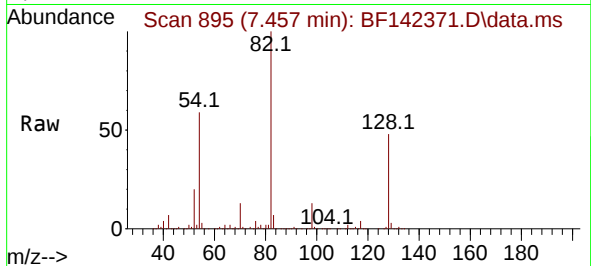
Tgt Ion: 82 Resp: 826771

Ion Ratio Lower Upper

82 100

128 47.5 37.0 55.6

54 58.9 48.6 73.0



#25

Isophorone

Concen: 41.938 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.271 min

Lab File: BF142371.D

Acq: 14 May 2025 17:44

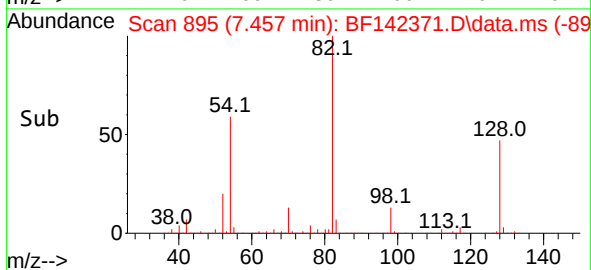
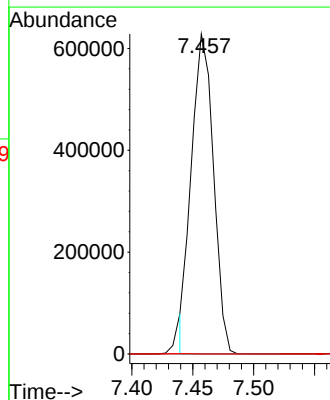
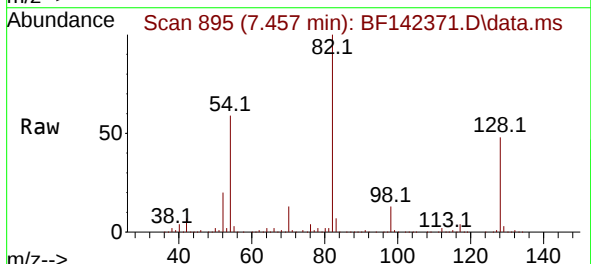
Tgt Ion: 82 Resp: 791140

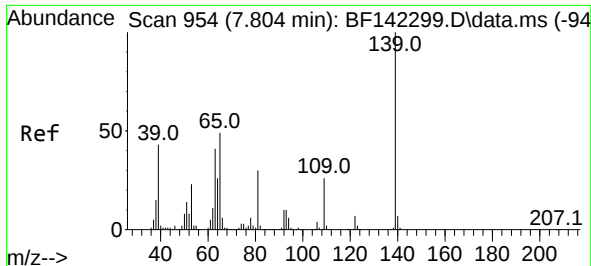
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 16.1 24.1#

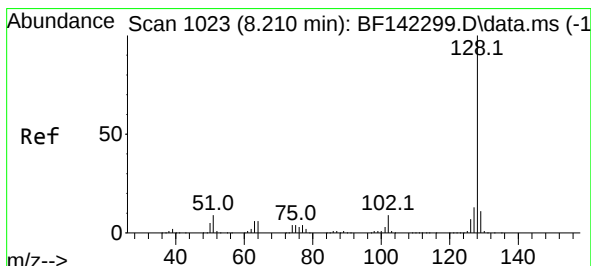
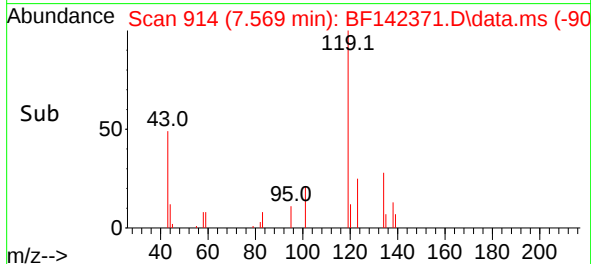
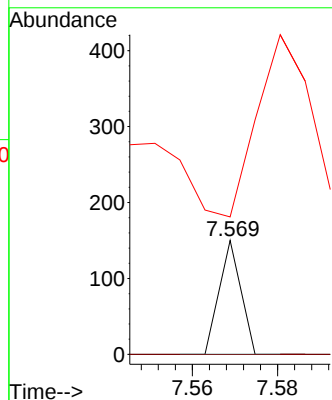
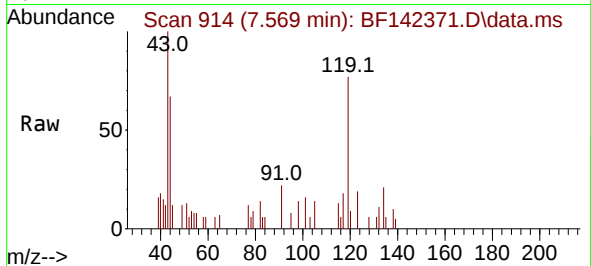




#26
2-Nitrophenol
Concen: 4.098 ng
RT: 7.569 min Scan# 91
Delta R.T. -0.235 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

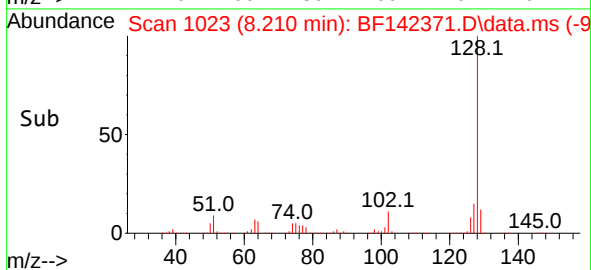
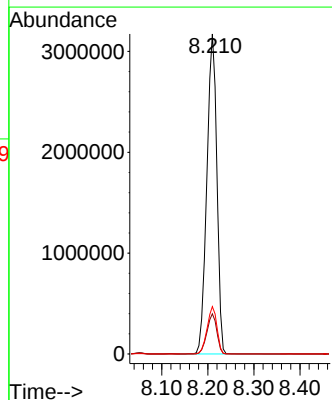
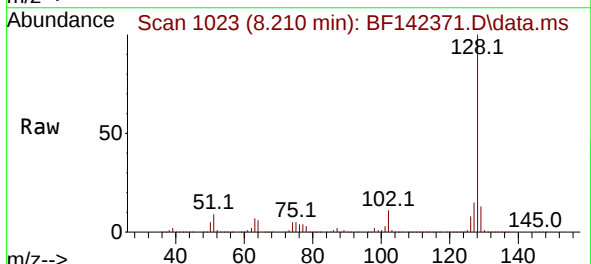
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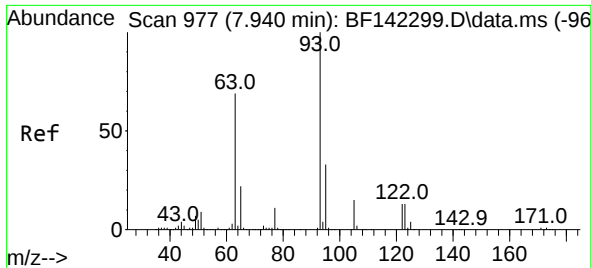
Tgt Ion:139 Resp: 53
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 120.7 38.9 58.3#



#31
Naphthalene
Concen: 163.699 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:128 Resp: 4820265
Ion Ratio Lower Upper
128 100
129 12.5 9.1 13.7
127 14.8 10.5 15.7

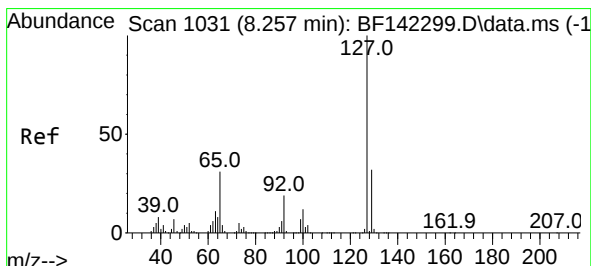
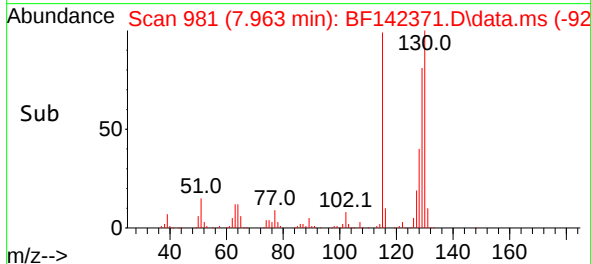
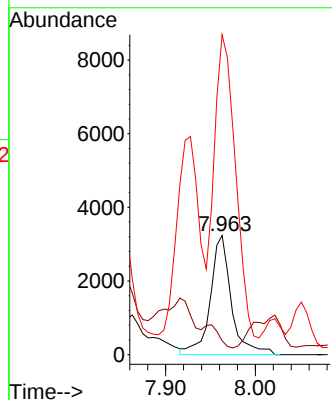
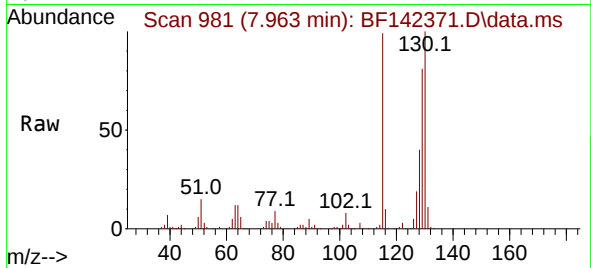




#32
Benzoic acid
Concen: 7.073 ng
RT: 7.963 min Scan# 91
Delta R.T. 0.023 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

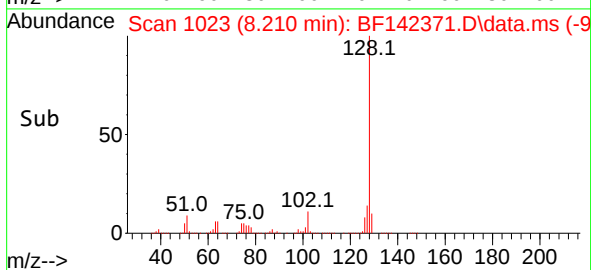
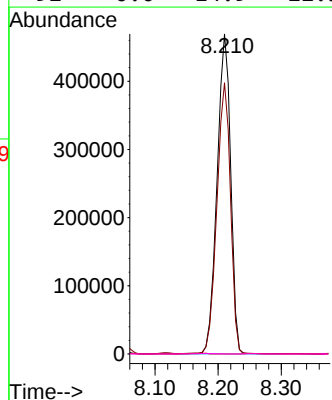
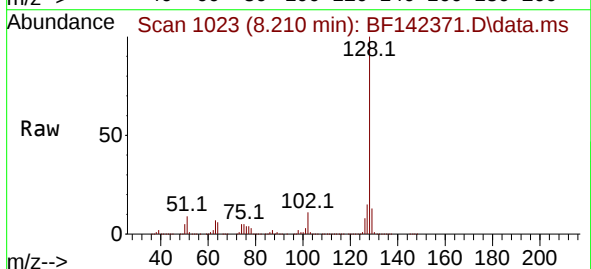
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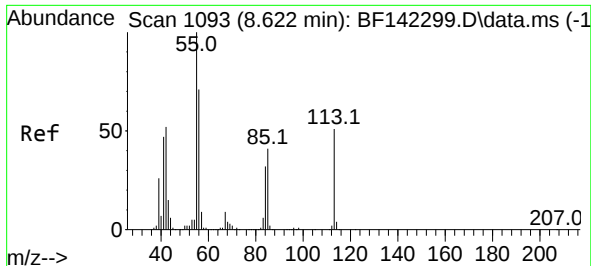
Tgt Ion:122 Resp: 5273
Ion Ratio Lower Upper
122 100
105 11.7 97.9 137.9#
77 268.4 67.7 107.7#



#33
4-Chloroaniline
Concen: 58.331 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.057 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:127 Resp: 700870
Ion Ratio Lower Upper
127 100
129 84.8 25.7 38.5#
65 0.0 24.9 37.3#
92 0.0 14.9 22.3#

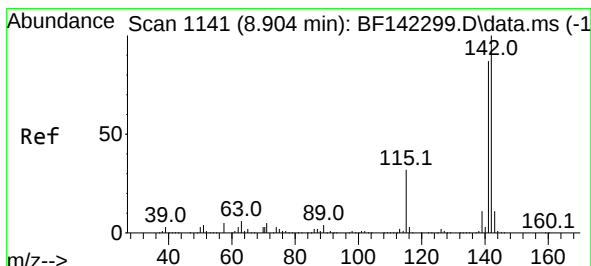
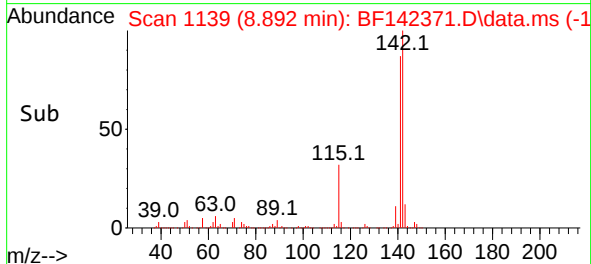
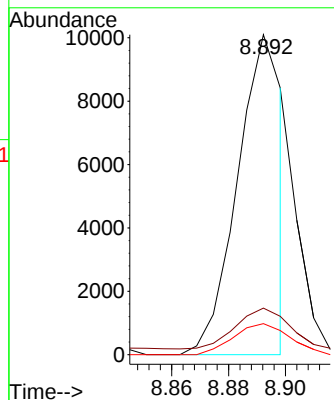
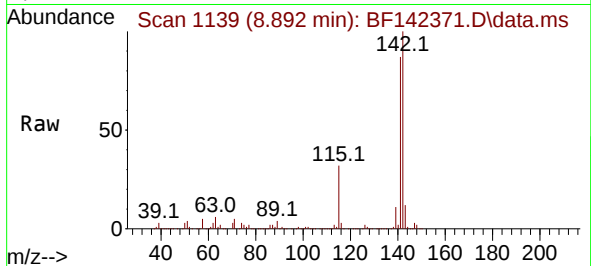




#35
 Caprolactam
 Concen: 4.752 ng
 RT: 8.892 min Scan# 1139
 Delta R.T. 0.270 min
 Lab File: BF142371.D
 Acq: 14 May 2025 17:44

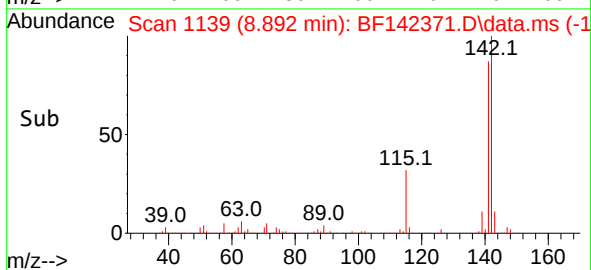
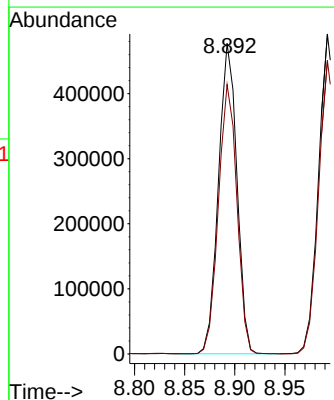
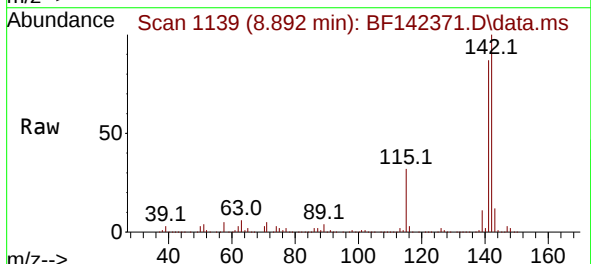
Instrument :
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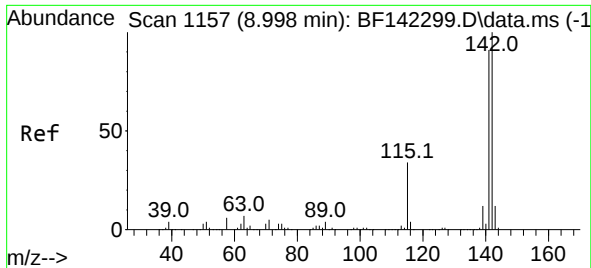
Tgt Ion:113 Resp: 11168
 Ion Ratio Lower Upper
 113 100
 55 14.5 176.4 216.4#
 56 9.7 120.3 160.3#



#37
 2-Methylnaphthalene
 Concen: 33.307 ng
 RT: 8.892 min Scan# 1139
 Delta R.T. -0.012 min
 Lab File: BF142371.D
 Acq: 14 May 2025 17:44

Tgt Ion:142 Resp: 609422
 Ion Ratio Lower Upper
 142 100
 141 86.8 69.4 104.2

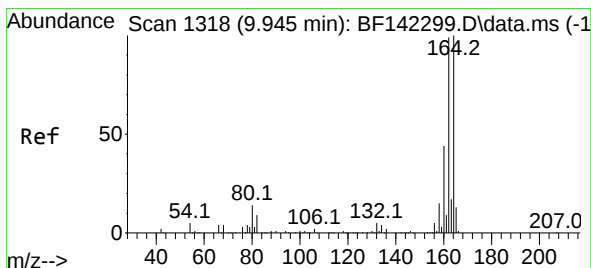
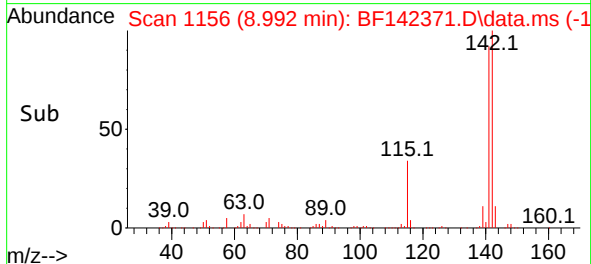
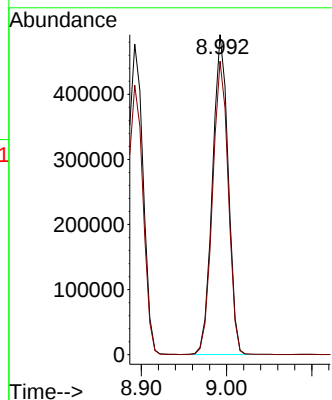
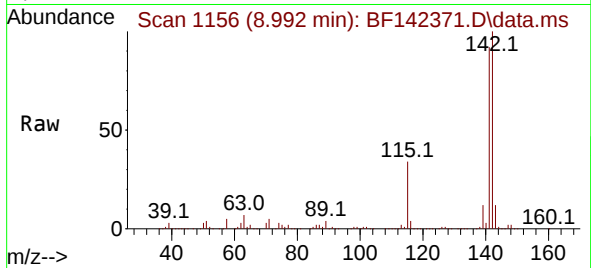




#38
1-Methylnaphthalene
Concen: 33.063 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

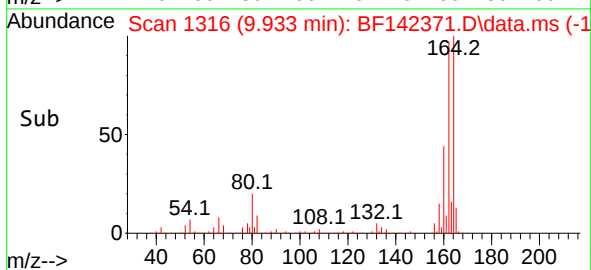
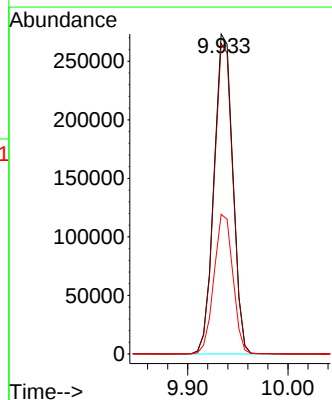
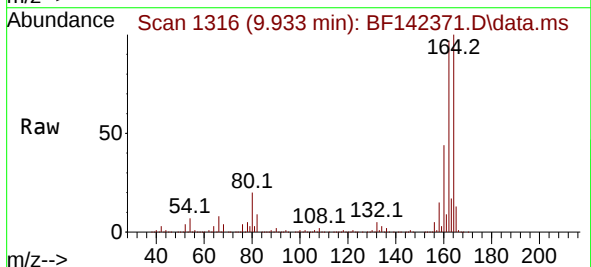
Instrument :
BNA_F
ClientSampleId :
WC-A4-03-C

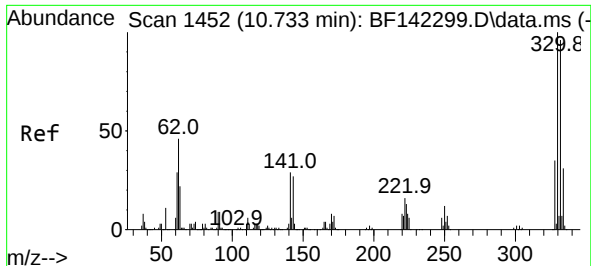
Tgt Ion:142 Resp: 630532
Ion Ratio Lower Upper
142 100
141 91.7 72.5 108.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:164 Resp: 356894
Ion Ratio Lower Upper
164 100
162 97.1 79.2 118.8
160 43.7 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 153.634 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142371.D

Acq: 14 May 2025 17:44

Instrument :

BNA_F

ClientSampleId :

WC-A4-03-C

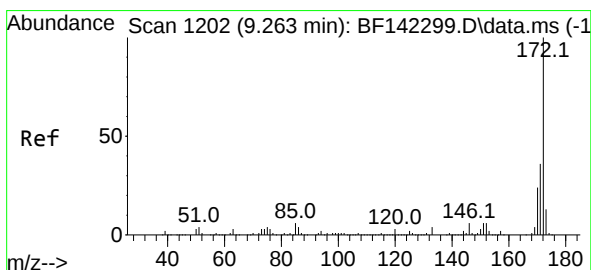
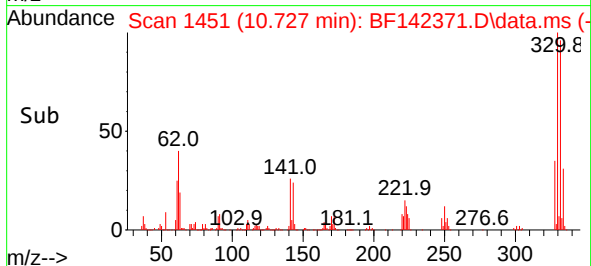
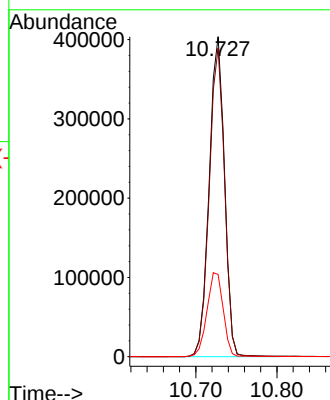
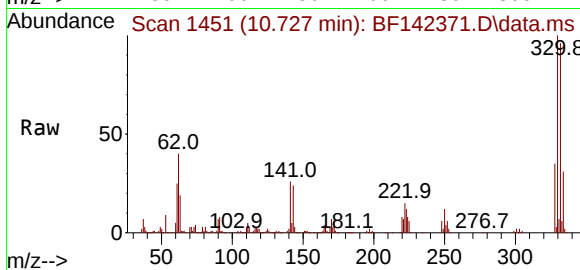
Tgt Ion:330 Resp: 529383

Ion Ratio Lower Upper

330 100

332 96.5 76.8 115.2

141 28.0 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 71.731 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142371.D

Acq: 14 May 2025 17:44

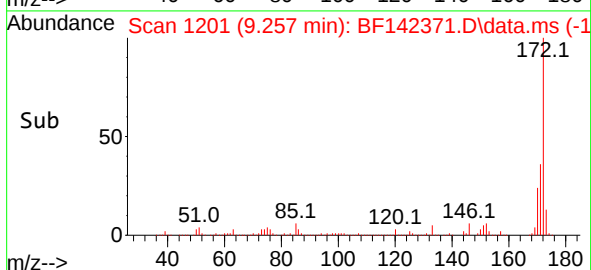
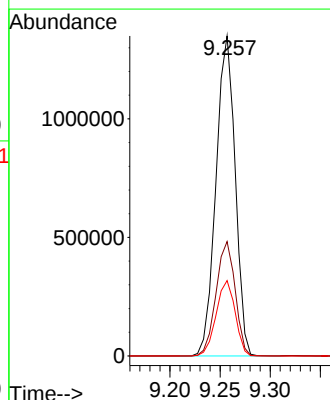
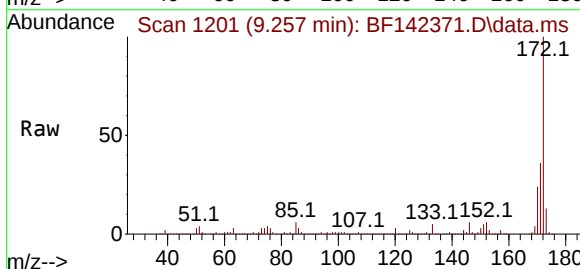
Tgt Ion:172 Resp: 1795415

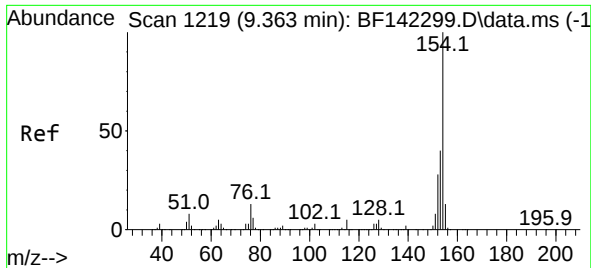
Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 23.5 19.0 28.4

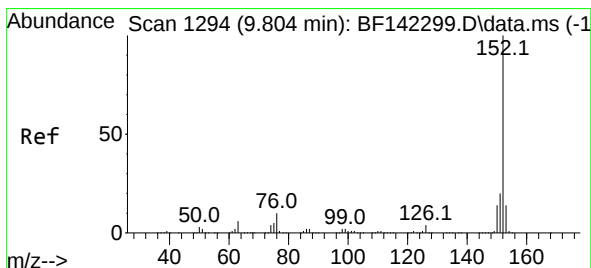
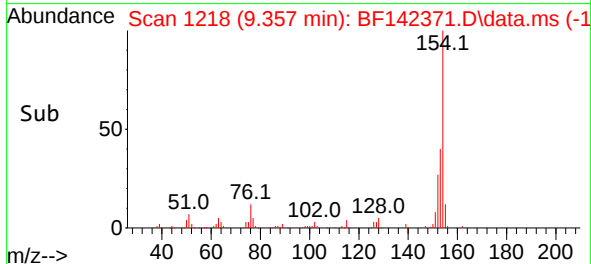
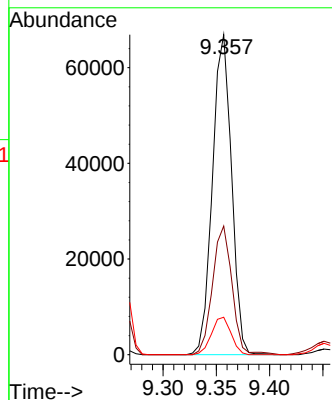
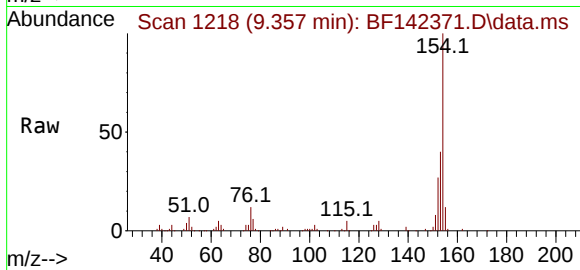




#46
1,1'-Biphenyl
Concen: 3.042 ng
RT: 9.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

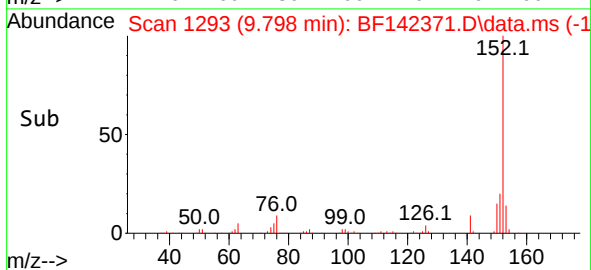
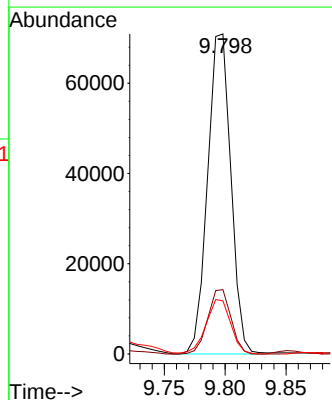
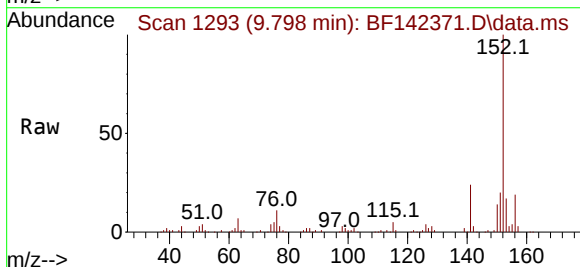
Instrument :
BNA_F
ClientSampleId :
WC-A4-03-C

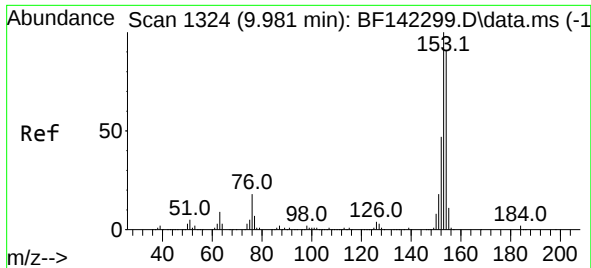
Tgt Ion:154 Resp: 83235
Ion Ratio Lower Upper
154 100
153 40.2 20.5 60.5
76 11.7 0.0 32.8



#49
Acenaphthylene
Concen: 2.775 ng
RT: 9.798 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:152 Resp: 94454
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 16.6 10.8 16.2#

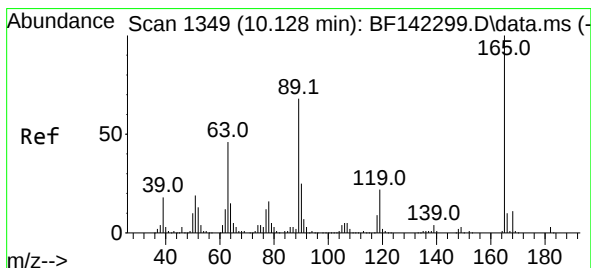
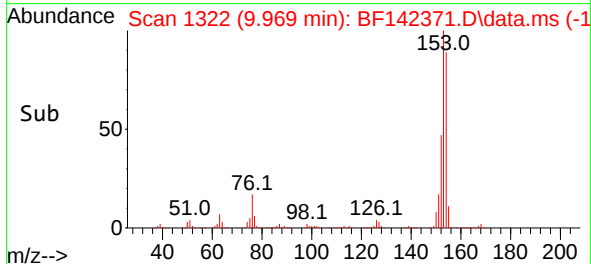
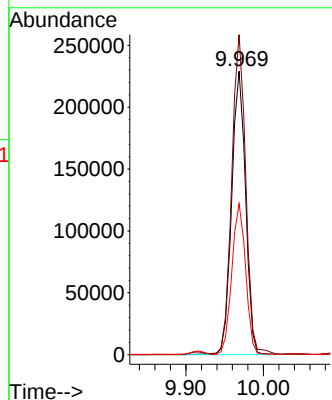
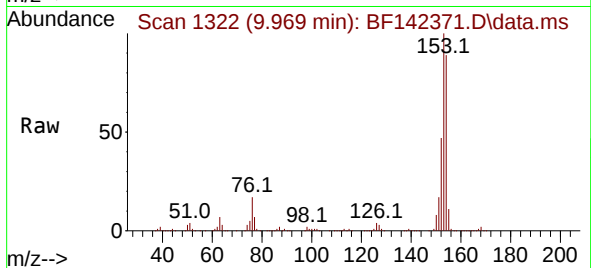




#52
Acenaphthene
Concen: 14.000 ng
RT: 9.969 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

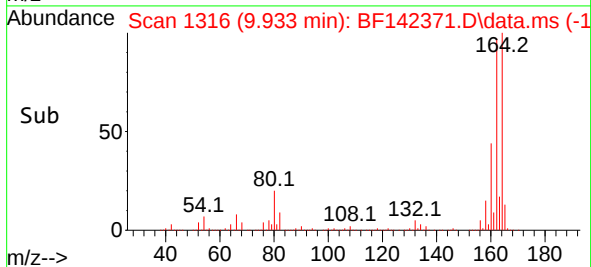
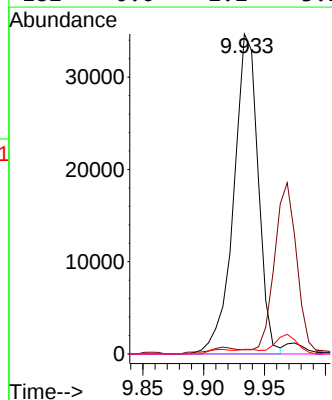
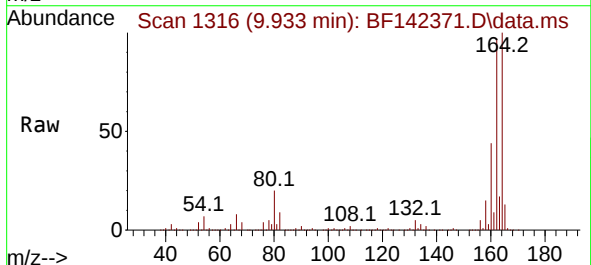
Instrument :
BNA_F
ClientSampleId :
WC-A4-03-C

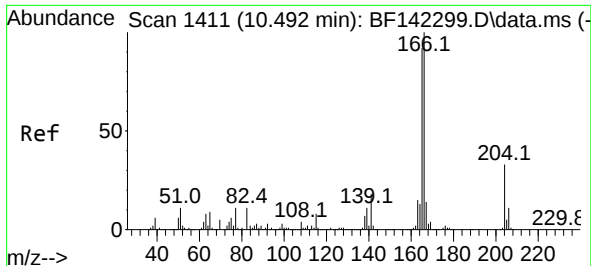
Tgt Ion:154 Resp: 286577
Ion Ratio Lower Upper
154 100
153 112.9 88.0 132.0
152 53.3 41.6 62.4



#57
2,4-Dinitrotoluene
Concen: 8.808 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.194 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:165 Resp: 48468
Ion Ratio Lower Upper
165 100
63 1.3 37.1 55.7#
89 1.5 54.4 81.6#
182 0.0 2.2 3.2#

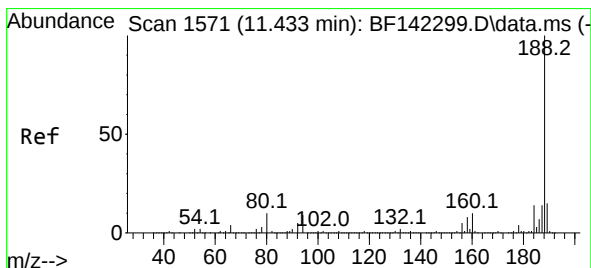
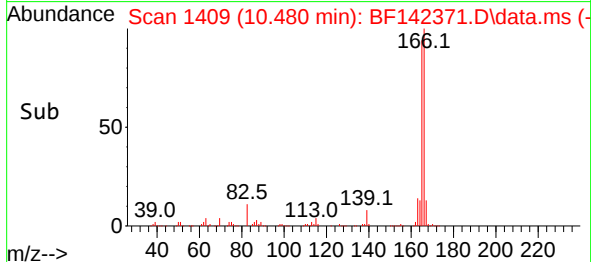
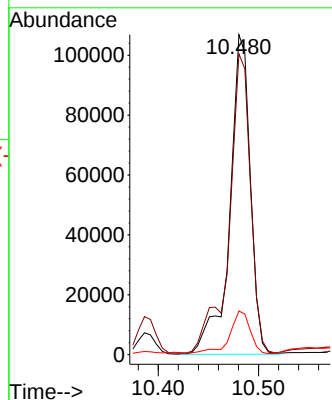
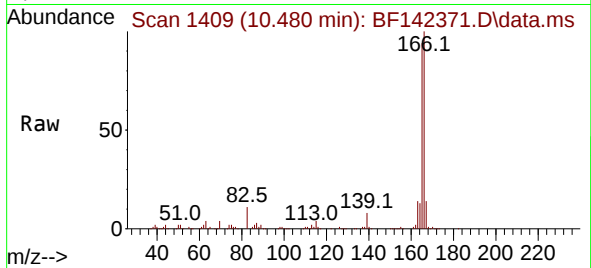




#58
Fluorene
Concen: 6.646 ng
RT: 10.480 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

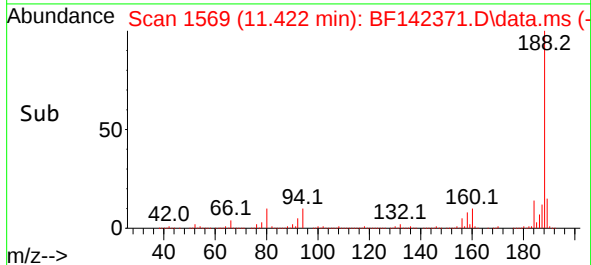
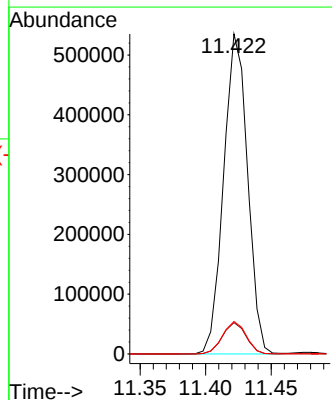
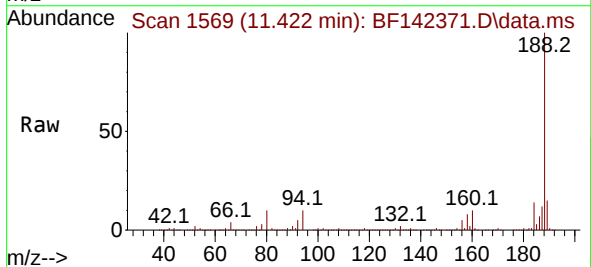
Instrument :
BNA_F
ClientSampleId :
WC-A4-03-C

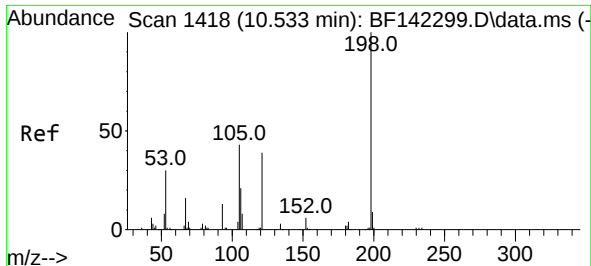
Tgt Ion:166 Resp: 153222
Ion Ratio Lower Upper
166 100
165 94.0 74.0 111.0
167 13.6 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:188 Resp: 679403
Ion Ratio Lower Upper
188 100
94 9.8 7.5 11.3
80 10.2 7.9 11.9

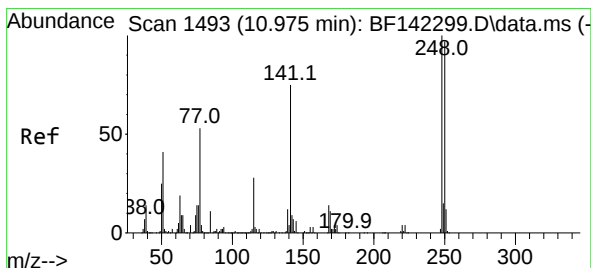
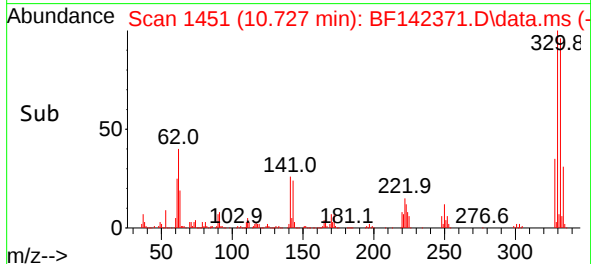
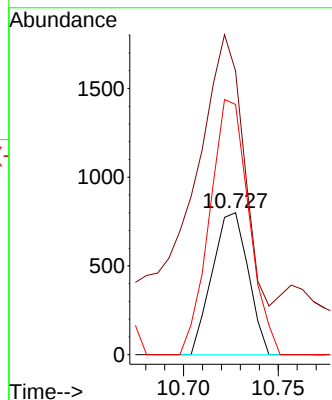
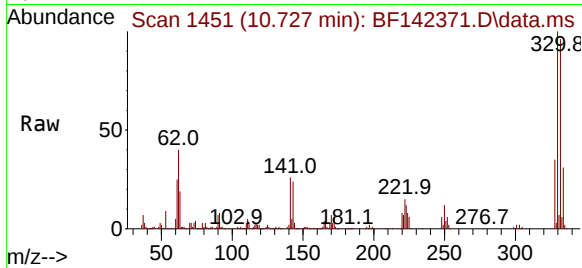




#65
4,6-Dinitro-2-methylphenol
Concen: 7.469 ng
RT: 10.727 min Scan# 1418
Delta R.T. 0.194 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

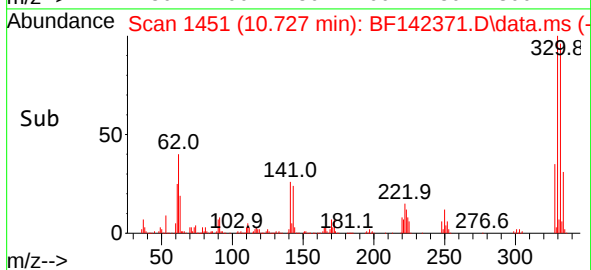
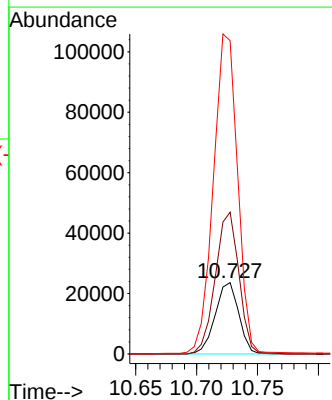
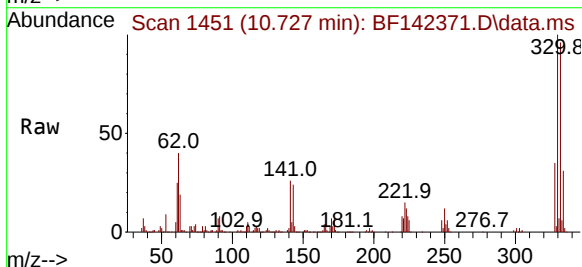
Instrument :
BNA_F
ClientSampleId :
WC-A4-03-C

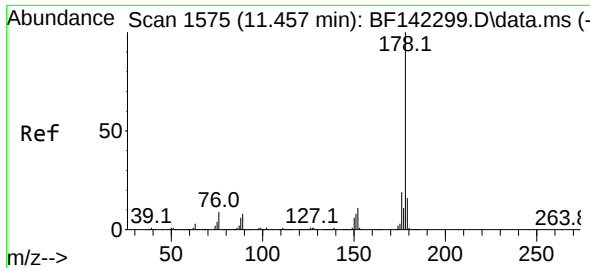
Tgt Ion:198 Resp: 1057
Ion Ratio Lower Upper
198 100
51 199.8 32.9 72.9#
105 176.3 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 4.125 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:248 Resp: 31760
Ion Ratio Lower Upper
248 100
250 198.8 77.9 116.9#
141 439.2 59.8 89.8#

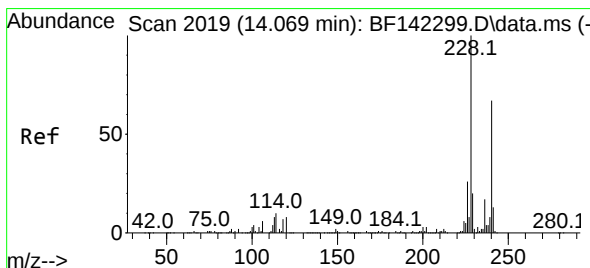
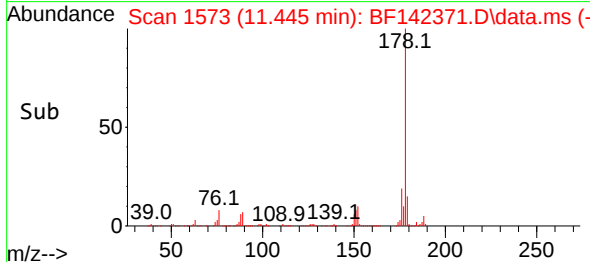
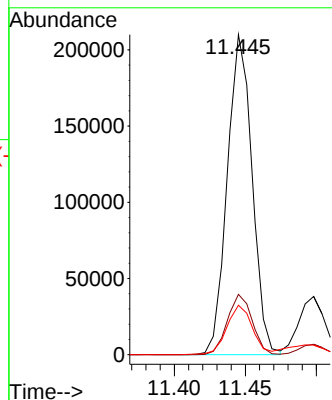
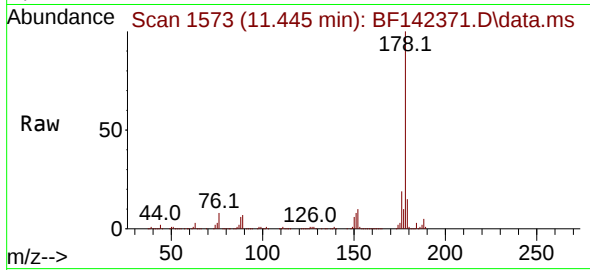




#71
Phenanthrene
Concen: 7.169 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

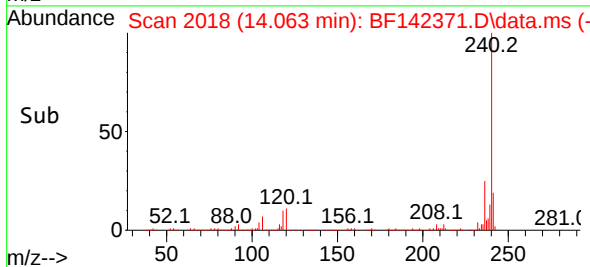
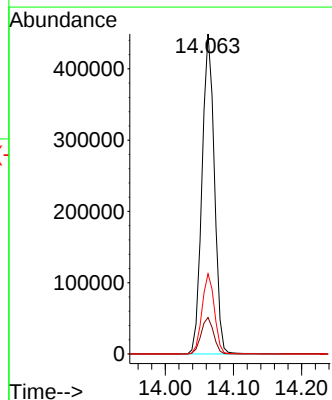
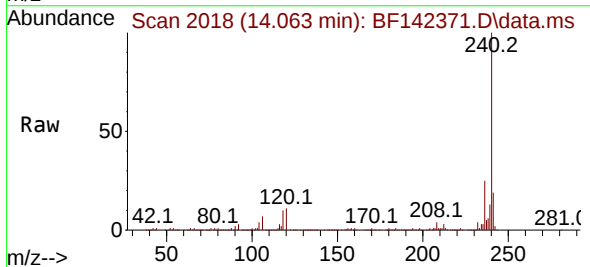
Instrument :
BNA_F
ClientSampleId :
WC-A4-03-C

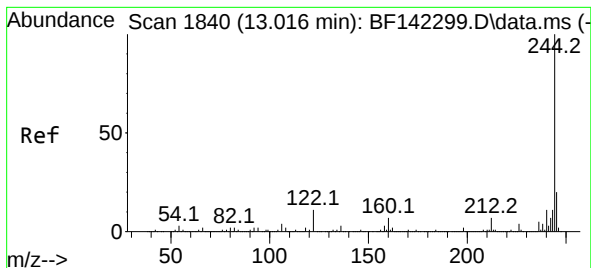
Tgt Ion:178 Resp: 255297
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.5 12.6 18.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142371.D
Acq: 14 May 2025 17:44

Tgt Ion:240 Resp: 566544
Ion Ratio Lower Upper
240 100
120 11.4 9.7 14.5
236 25.1 20.0 30.0





#79

Terphenyl-d14

Concen: 65.867 ng

RT: 13.016 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF142371.D

Acq: 14 May 2025 17:44

Instrument :

BNA_F

ClientSampleId :

WC-A4-03-C

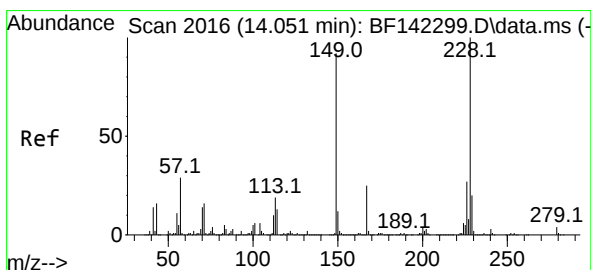
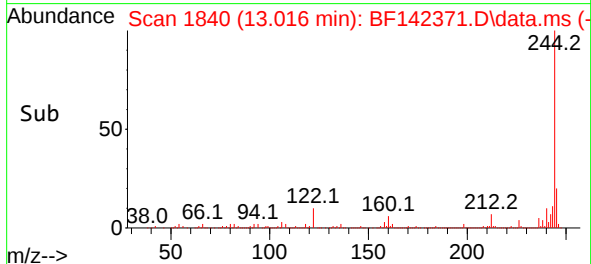
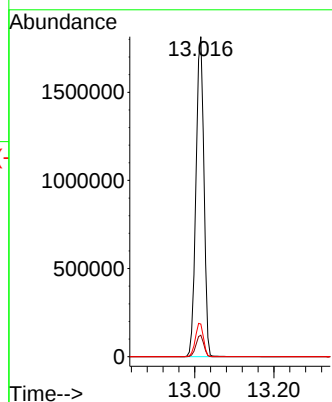
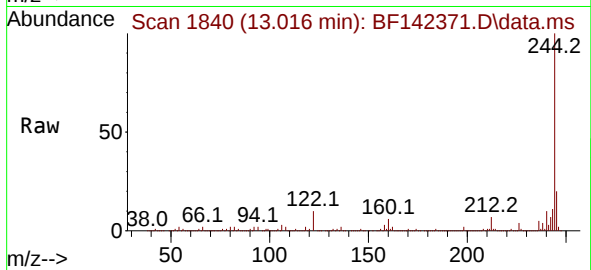
Tgt Ion:244 Resp: 2521198

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 10.2 9.0 13.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.293 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142371.D

Acq: 14 May 2025 17:44

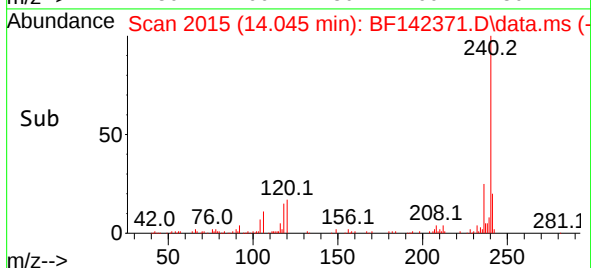
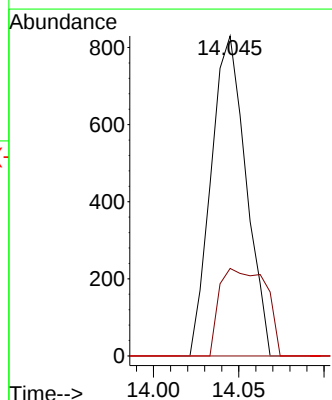
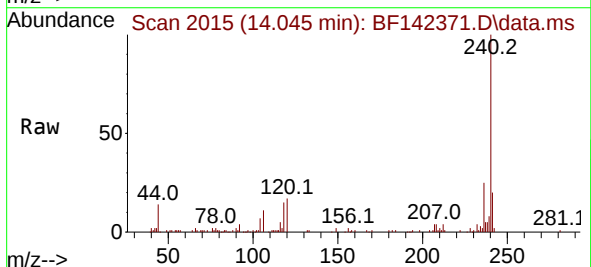
Tgt Ion:149 Resp: 1182

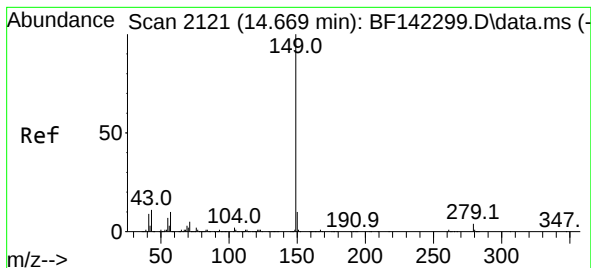
Ion Ratio Lower Upper

149 100

167 27.3 22.0 33.0

279 0.0 3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 7.851 ng

RT: 14.692 min Scan# 2121

Delta R.T. 0.023 min

Lab File: BF142371.D

Acq: 14 May 2025 17:44

Instrument :

BNA_F

ClientSampleId :

WC-A4-03-C

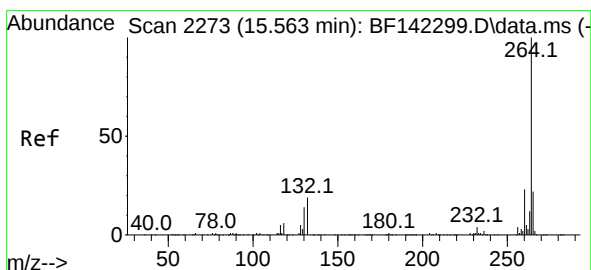
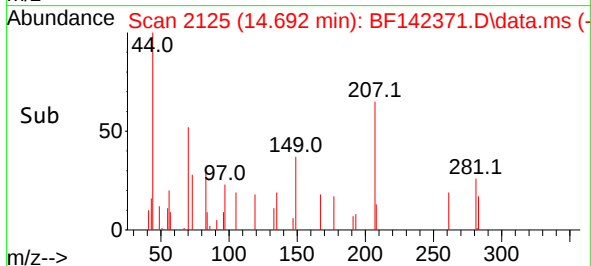
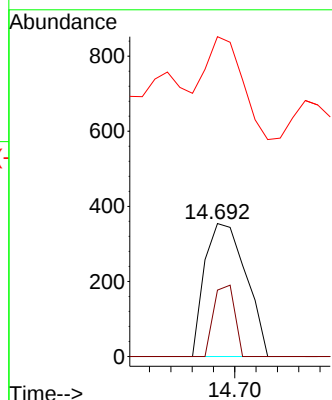
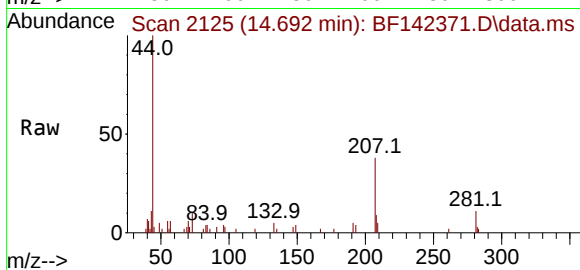
Tgt Ion:149 Resp: 476

Ion Ratio Lower Upper

149 100

167 27.3 1.1 1.7#

43 69.1 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF142371.D

Acq: 14 May 2025 17:44

Tgt Ion:264 Resp: 464654

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 22.0 17.5 26.3

