

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
 Data File : BF142282.D
 Acq On : 02 May 2025 14:51
 Operator : RC/JU
 Sample : Q1907-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CO-8R-WC

Quant Time: May 02 15:54:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

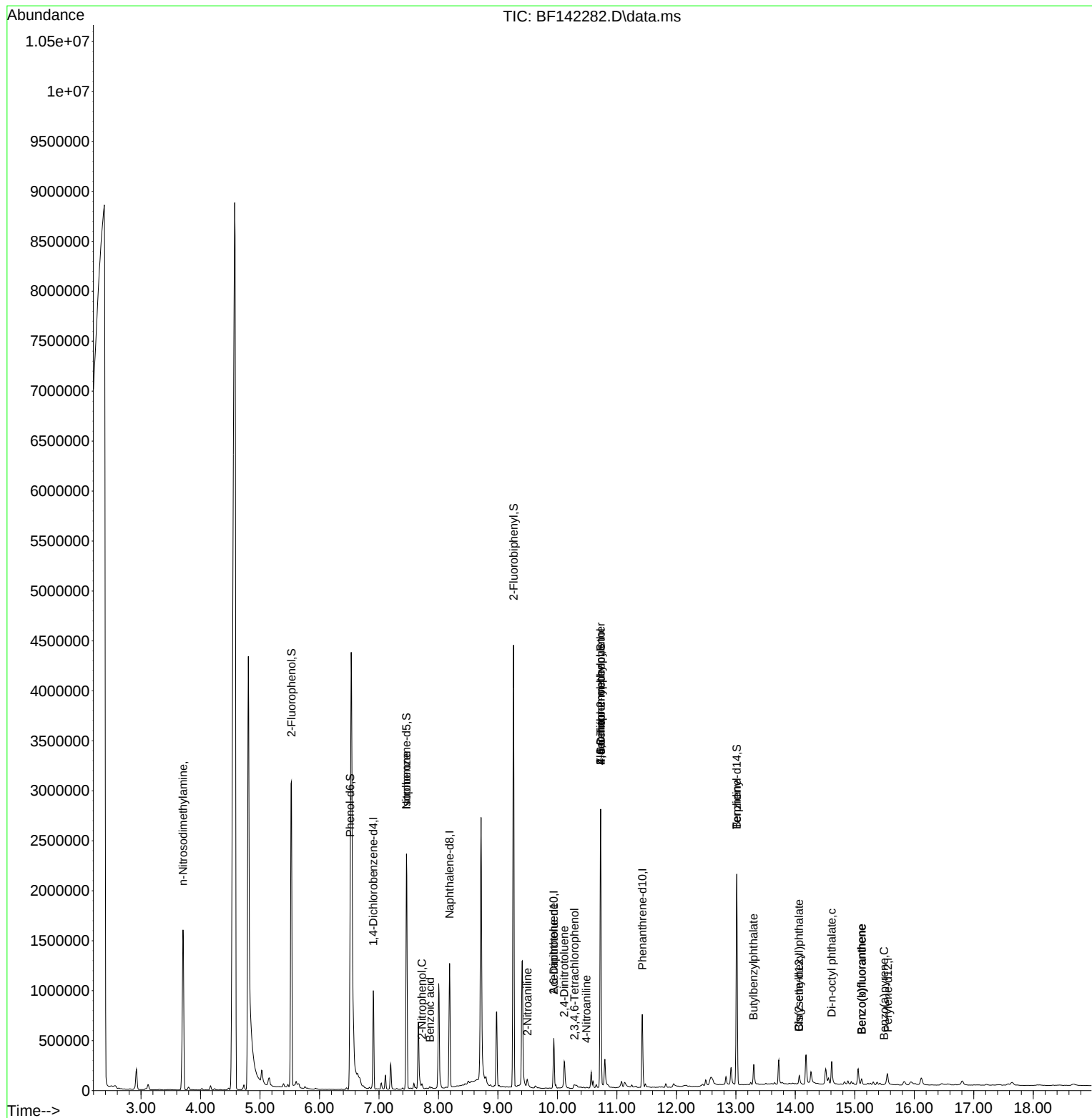
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	204938	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	707266	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	110377	20.000	ng	#-0.01
64) Phenanthrene-d10	11.427	188	263917	20.000	ng	0.00
76) Chrysene-d12	14.063	240	22813	20.000	ng	#-0.01
86) Perylene-d12	15.557	264	209	20.000	ng	#-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1214358	94.634	ng	0.01
7) Phenol-d6	6.516	99	525562	33.916	ng	-0.01
23) Nitrobenzene-d5	7.463	82	986198	91.607	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	485793	482.781	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1981223	253.083	ng	0.00
79) Terphenyl-d14	13.016	244	656943	418.824	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.704	42	43575	5.653	ng	# 1
25) Isophorone	7.463	82	984438	43.571	ng	# 64
26) 2-Nitrophenol	7.722	139	632	5.080	ng	# 49
32) Benzoic acid	7.857	122	5755	11.631	ng	94
48) 2-Nitroaniline	9.498	65	687	5.136	ng	# 3
51) 2,6-Dinitrotoluene	9.939	165	14020	13.508	ng	# 27
57) 2,4-Dinitrotoluene	10.116	165	1022	5.585	ng	# 81
58) Fluorene	10.727	166	20547	2.866	ng	# 90
59) 2,3,4,6-Tetrachlorophenol	10.286	232	5310	3.167	ng	# 38
62) 4-Nitroaniline	10.486	138	633	3.149	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.727	198	901	11.419	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	30847	10.495	ng	# 1
77) Benzidine	13.016	184	10210	10.533	ng	# 60
80) Butylbenzylphthalate	13.298	149	15591	28.715	ng	# 45
84) Bis(2-ethylhexyl)phtha...	14.063	149	938	4.546	ng	# 53
85) Di-n-octyl phthalate	14.610	149	13916	14.389	ng	# 75
88) Benzo(b)fluoranthene	15.115	252	815	62.778	ng	# 1
89) Benzo(k)fluoranthene	15.115	252	815	68.634	ng	# 1
90) Benzo(a)pyrene	15.492	252	113	9.507	ng	# 1

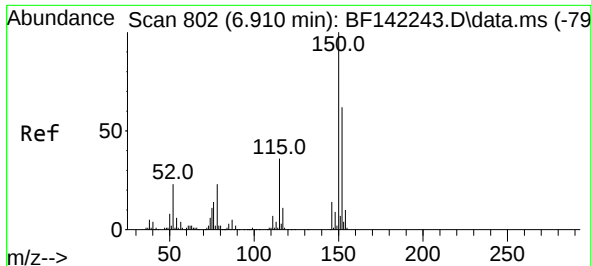
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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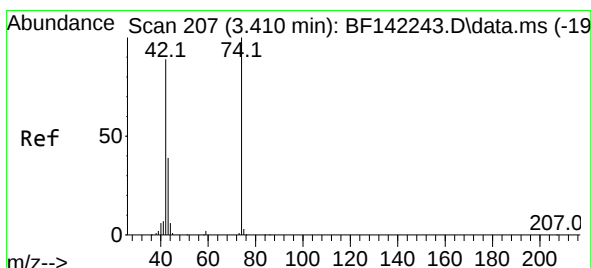
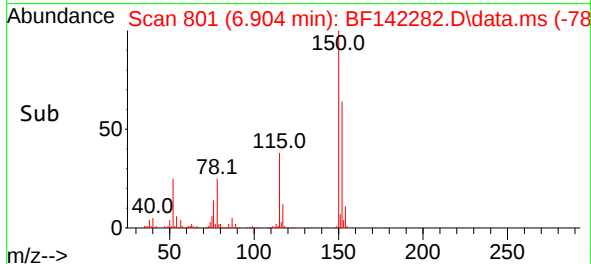
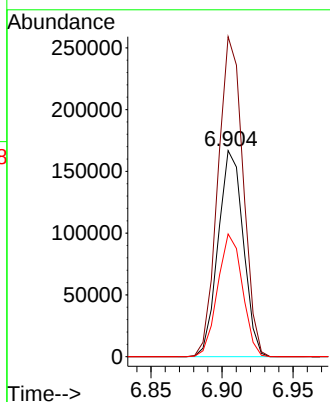
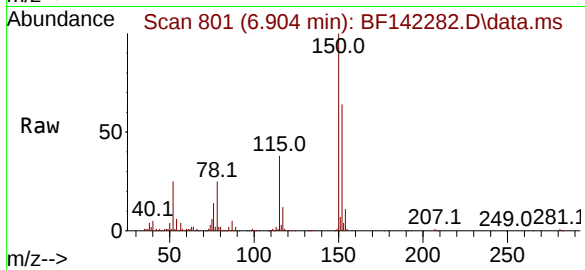




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

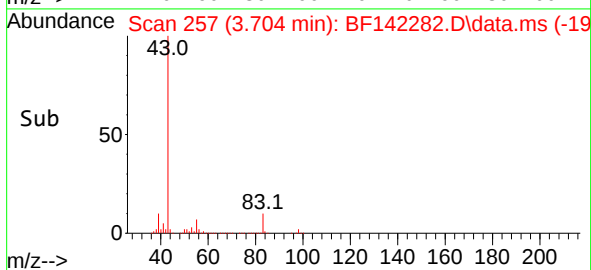
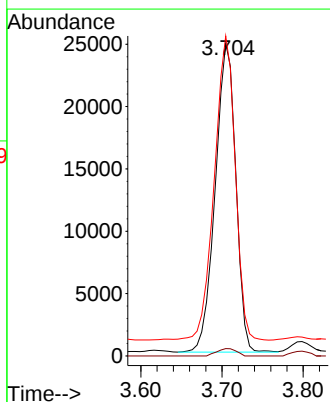
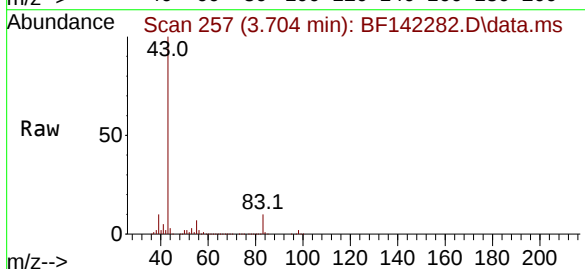
Instrument :
BNA_F
ClientSampleId :
CO-8R-WC

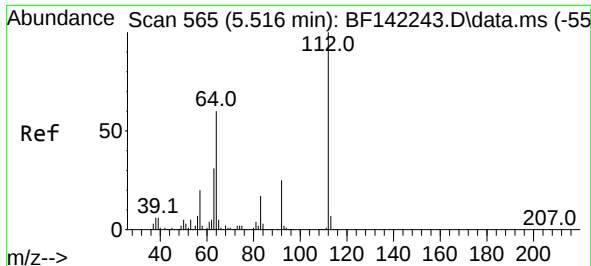
Tgt Ion:152 Resp: 204938
Ion Ratio Lower Upper
152 100
150 155.3 130.2 195.2
115 59.6 47.0 70.4



#4
n-Nitrosodimethylamine
Concen: 5.653 ng
RT: 3.704 min Scan# 257
Delta R.T. 0.294 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

Tgt Ion: 42 Resp: 43575
Ion Ratio Lower Upper
42 100
74 2.4 89.5 134.3#
44 102.3 6.6 9.8#

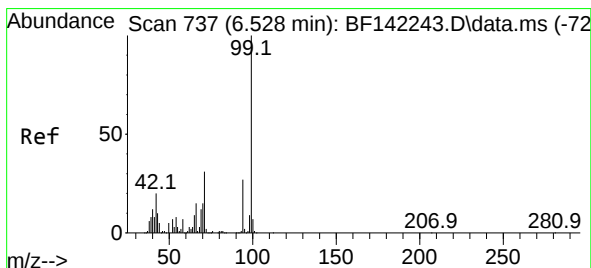
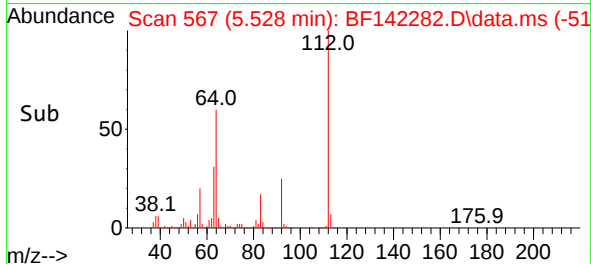
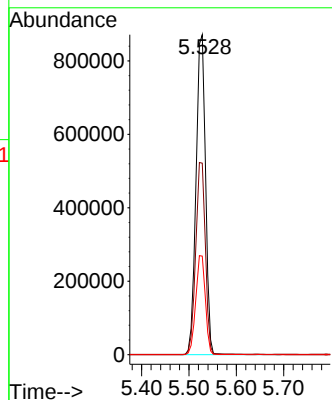
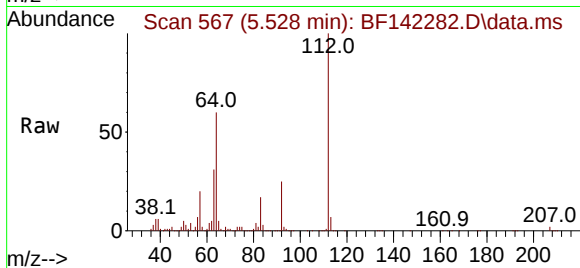




#5
2-Fluorophenol
Concen: 94.634 ng
RT: 5.528 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

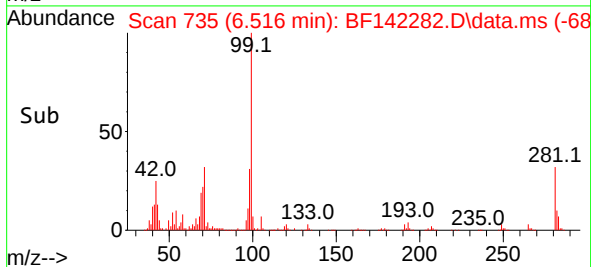
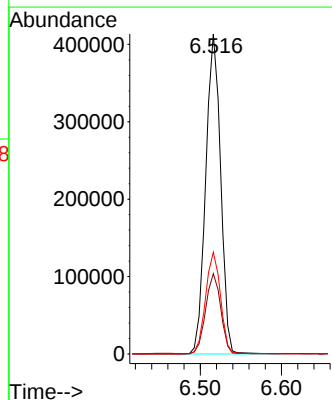
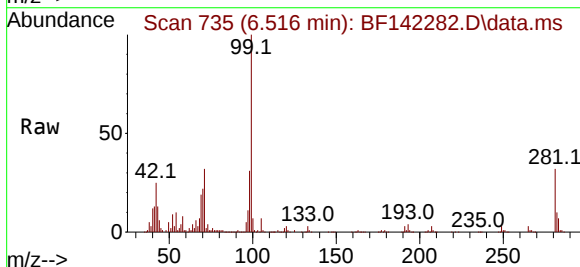
Instrument :
BNA_F
ClientSampleId :
CO-8R-WC

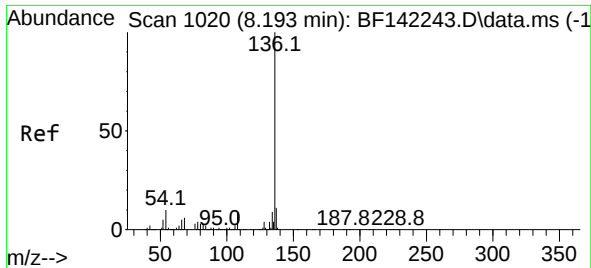
Tgt Ion:112 Resp: 1214358
Ion Ratio Lower Upper
112 100
64 59.8 48.4 72.6
63 30.8 24.8 37.2



#7
Phenol-d6
Concen: 33.916 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.012 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

Tgt Ion: 99 Resp: 525562
Ion Ratio Lower Upper
99 100
42 25.1 16.3 24.5#
71 31.8 25.0 37.4

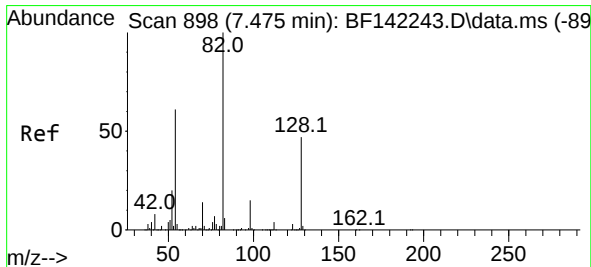
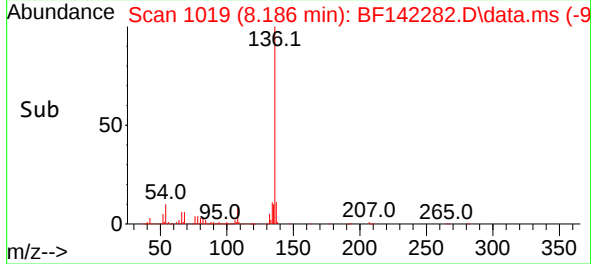
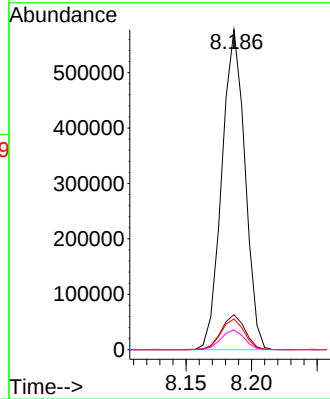
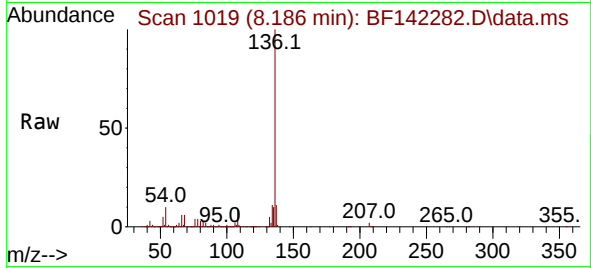




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.007 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

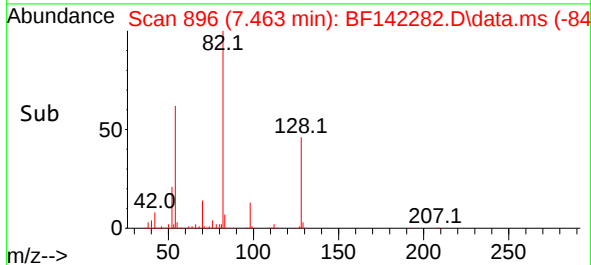
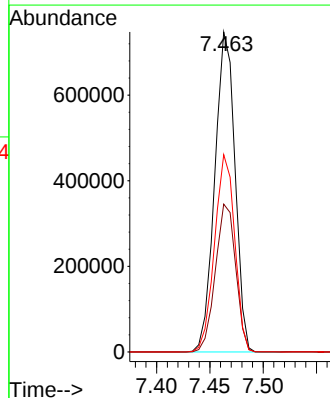
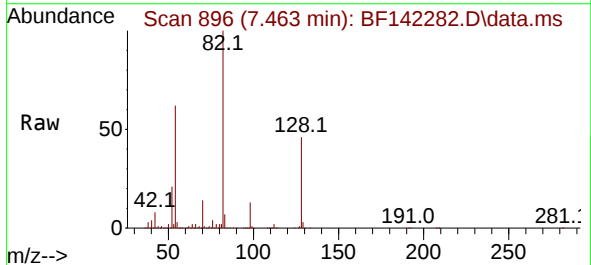
Instrument :
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ClientSampleId :
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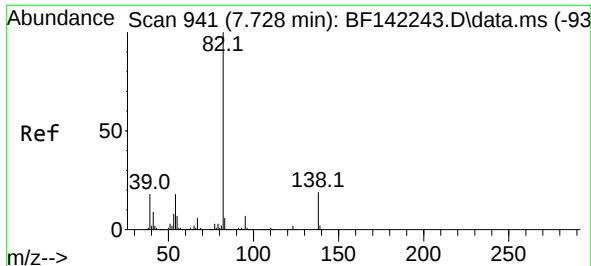
Tgt Ion:136 Resp: 707266
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 9.6 7.7 11.5
68 6.2 5.0 7.6



#23
Nitrobenzene-d5
Concen: 91.607 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

Tgt Ion: 82 Resp: 986198
Ion Ratio Lower Upper
82 100
128 46.2 37.0 55.6
54 61.7 48.0 72.0

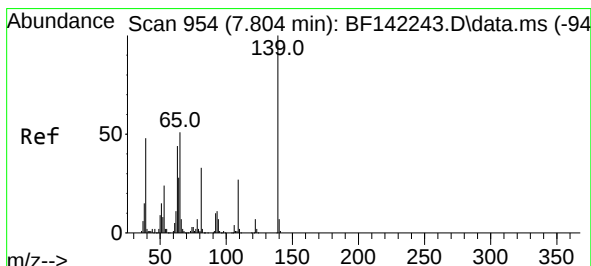
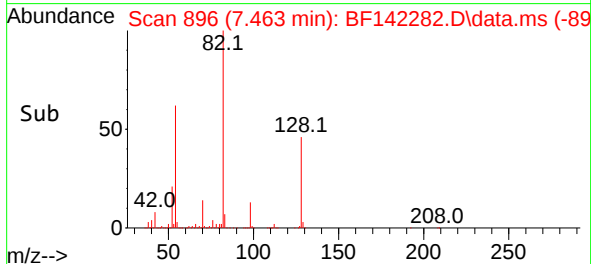
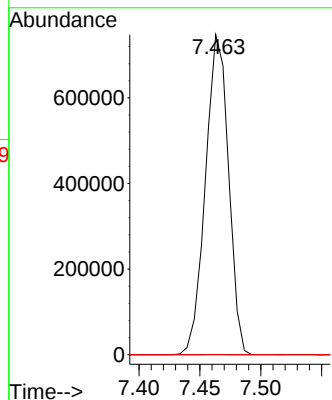
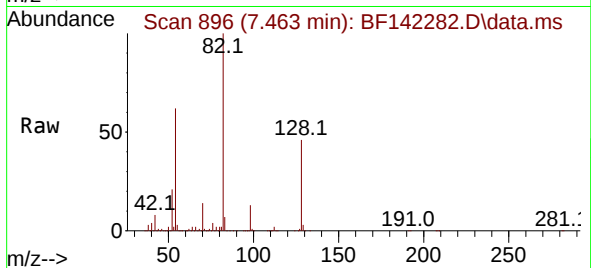




#25
Isophorone
Concen: 43.571 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

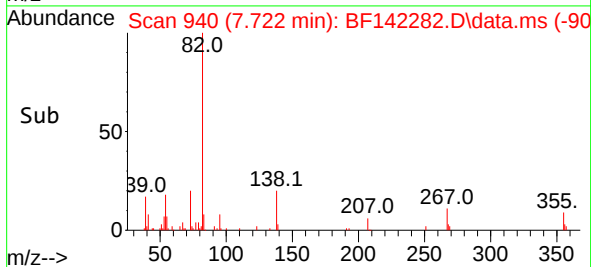
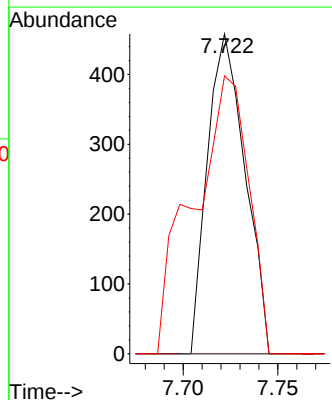
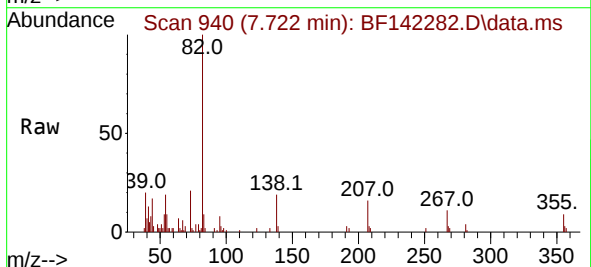
Instrument :
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ClientSampleId :
CO-8R-WC

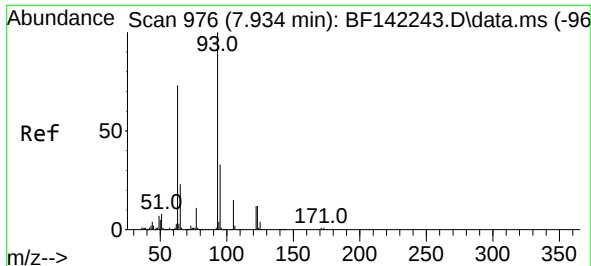
Tgt Ion: 82 Resp: 984438
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.3 22.9#



#26
2-Nitrophenol
Concen: 5.080 ng
RT: 7.722 min Scan# 940
Delta R.T. -0.082 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

Tgt Ion: 139 Resp: 632
Ion Ratio Lower Upper
139 100
109 0.0 21.8 32.8#
65 86.9 41.1 61.7#

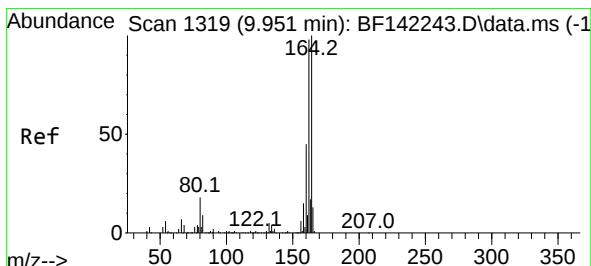
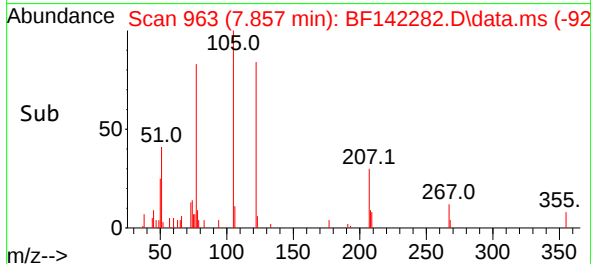
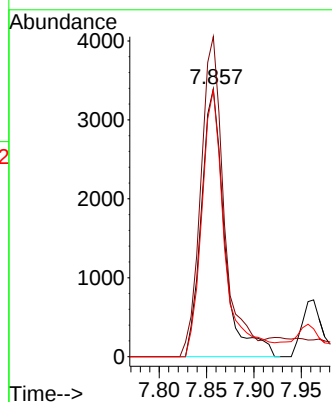
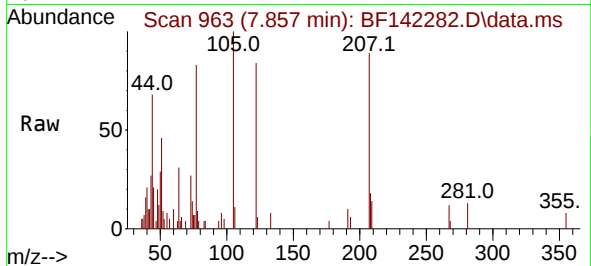




#32
Benzoic acid
Concen: 11.631 ng
RT: 7.857 min Scan# 91
Delta R.T. -0.077 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

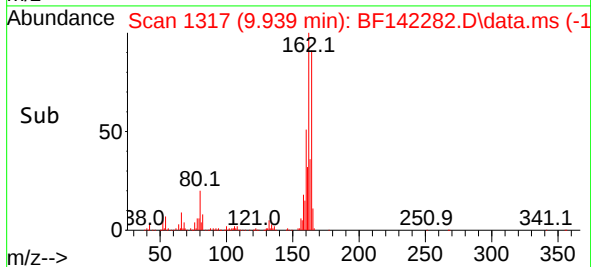
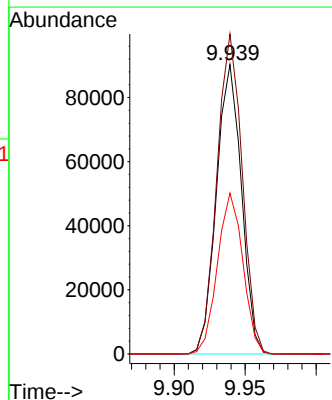
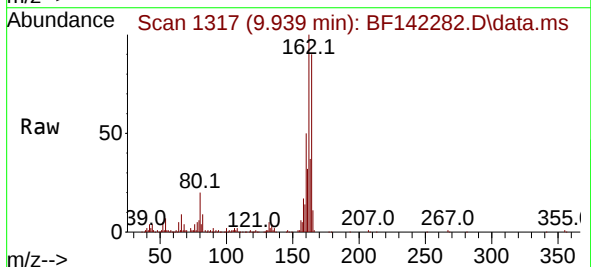
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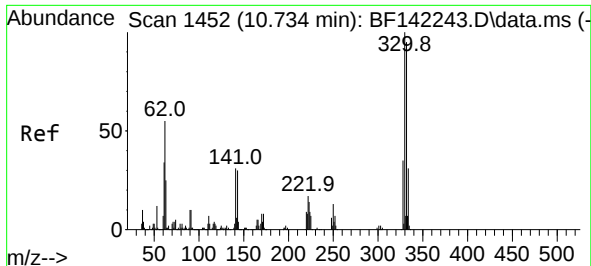
Tgt Ion:122 Resp: 5755
Ion Ratio Lower Upper
122 100
105 119.4 98.2 138.2
77 99.5 66.8 106.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

Tgt Ion:164 Resp: 110377
Ion Ratio Lower Upper
164 100
162 110.5 78.6 117.8
160 55.5 35.7 53.5#

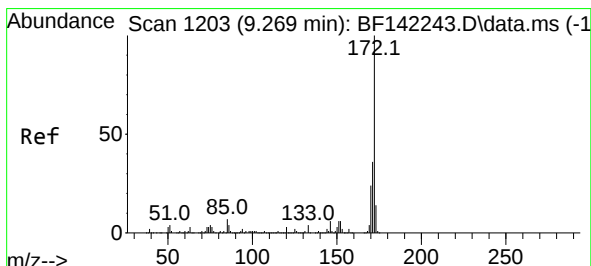
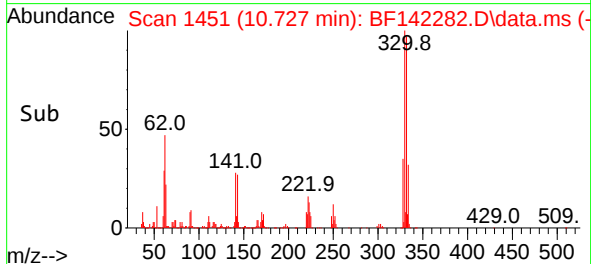
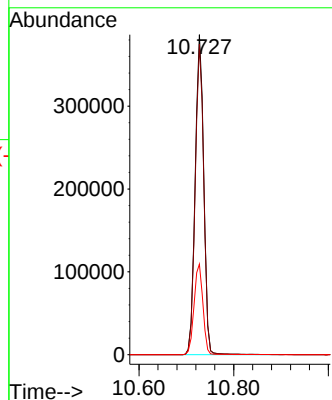
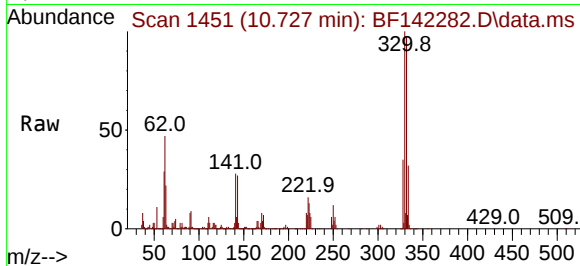




#42
2,4,6-Tribromophenol
Concen: 482.781 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

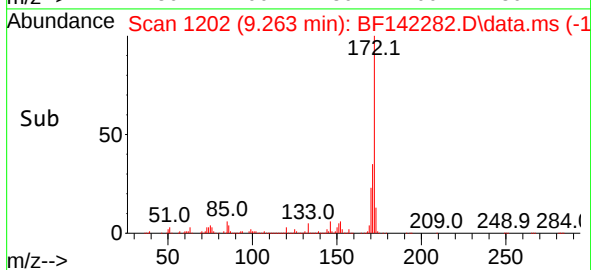
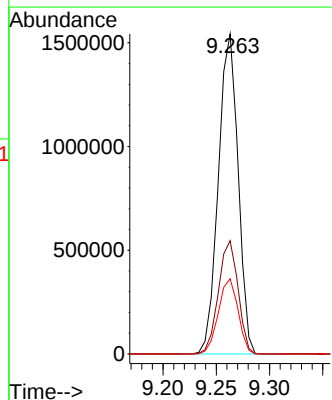
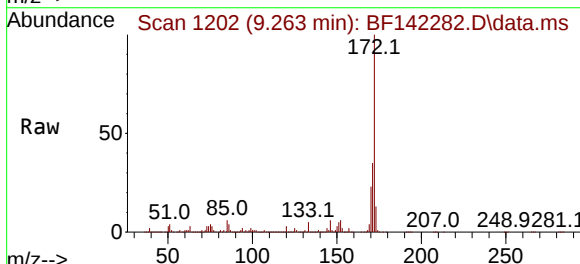
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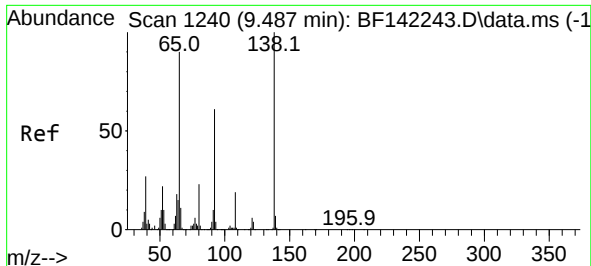
Tgt Ion:330 Resp: 485793
Ion Ratio Lower Upper
330 100
332 96.8 76.5 114.7
141 29.3 24.3 36.5



#45
2-Fluorobiphenyl
Concen: 253.083 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

Tgt Ion:172 Resp: 1981223
Ion Ratio Lower Upper
172 100
171 35.4 29.0 43.4
170 23.5 19.4 29.0

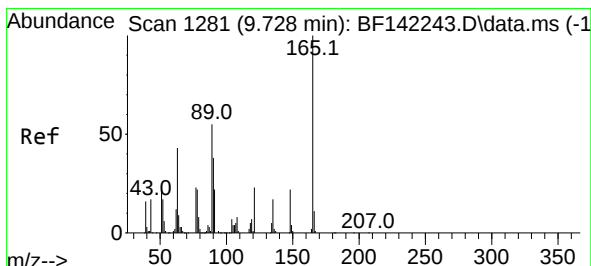
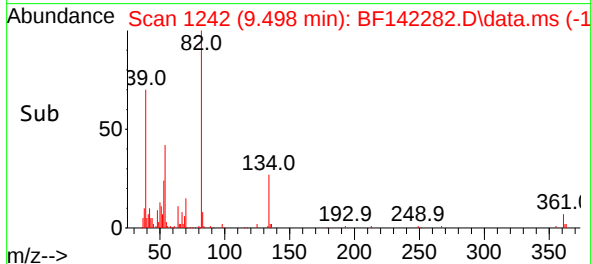
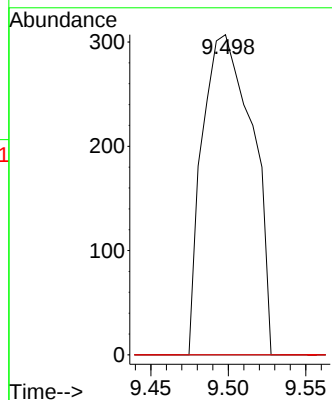
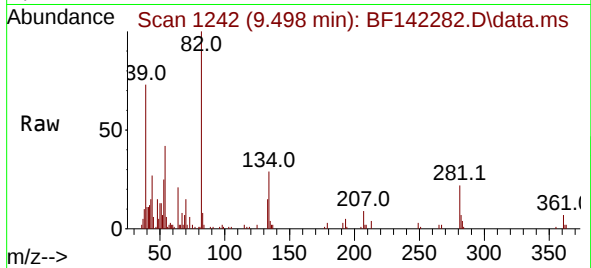




#48
2-Nitroaniline
Concen: 5.136 ng
RT: 9.498 min Scan# 11
Delta R.T. 0.011 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

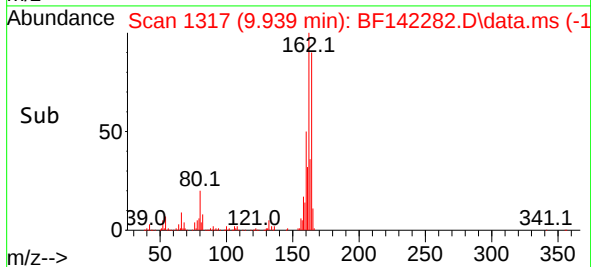
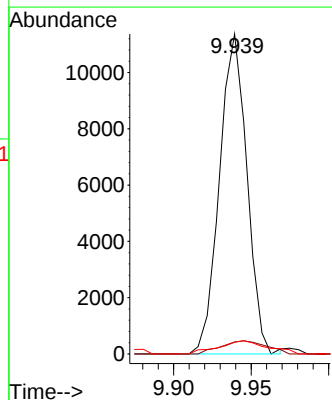
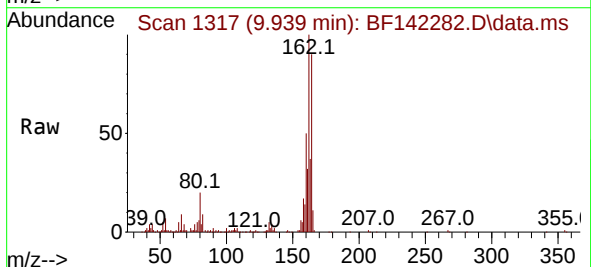
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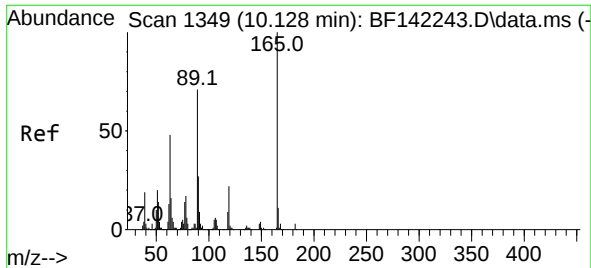
Tgt Ion: 65 Resp: 687
Ion Ratio Lower Upper
65 100
92 0.0 54.3 81.5#
138 0.0 88.6 133.0#



#51
2,6-Dinitrotoluene
Concen: 13.508 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.211 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

Tgt Ion: 165 Resp: 14020
Ion Ratio Lower Upper
165 100
63 3.7 48.5 72.7#
89 3.6 43.9 65.9#

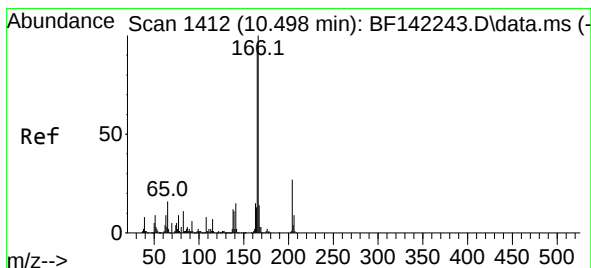
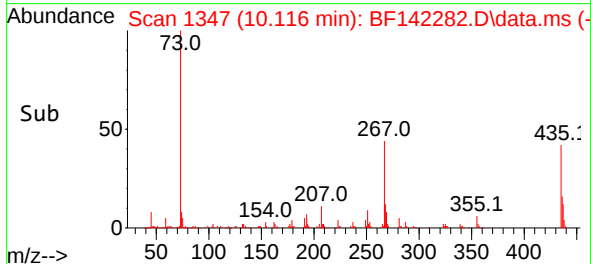
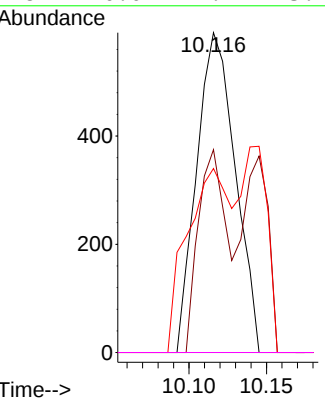
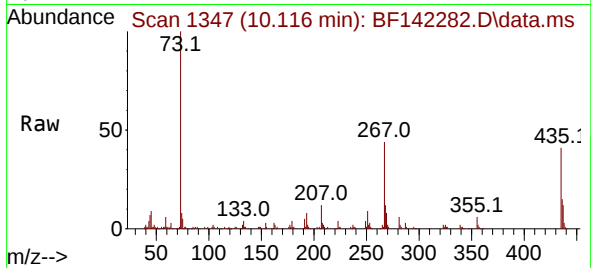




#57
2,4-Dinitrotoluene
Concen: 5.585 ng
RT: 10.116 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

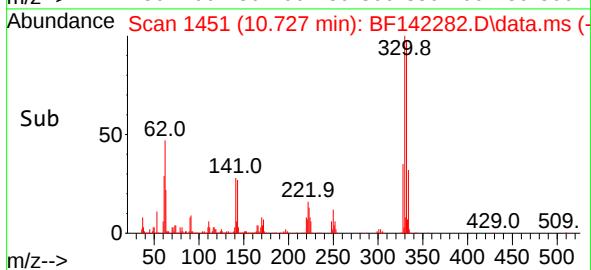
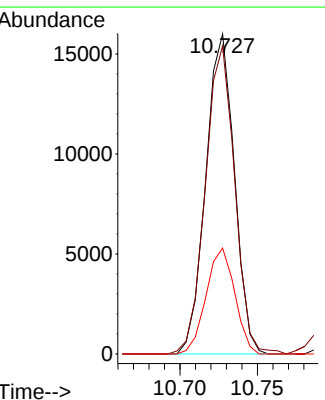
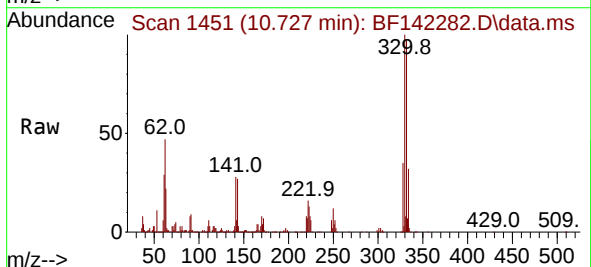
Instrument :
BNA_F
ClientSampleId :
CO-8R-WC

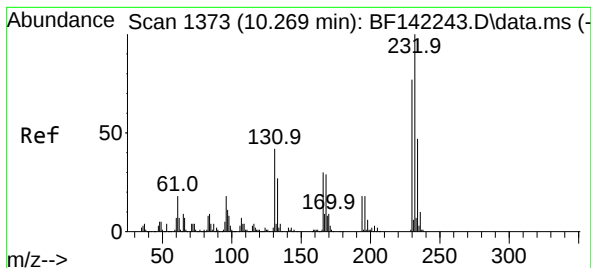
Tgt Ion:165 Resp: 1022
Ion Ratio Lower Upper
165 100
63 63.5 38.8 58.2#
89 57.5 57.1 85.7
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 2.866 ng
RT: 10.727 min Scan# 1451
Delta R.T. 0.229 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

Tgt Ion:166 Resp: 20547
Ion Ratio Lower Upper
166 100
165 96.2 73.9 110.9
167 33.1 10.8 16.2#





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.167 ng

RT: 10.286 min Scan# 1410

Delta R.T. 0.018 min

Lab File: BF142282.D

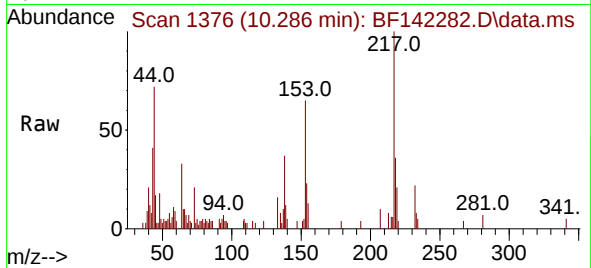
Acq: 02 May 2025 14:51

Instrument :

BNA_F

ClientSampleId :

CO-8R-WC



Tgt Ion:232 Resp: 5310

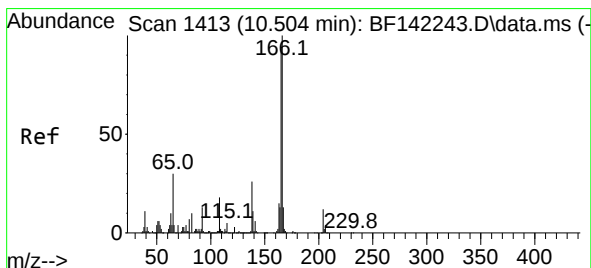
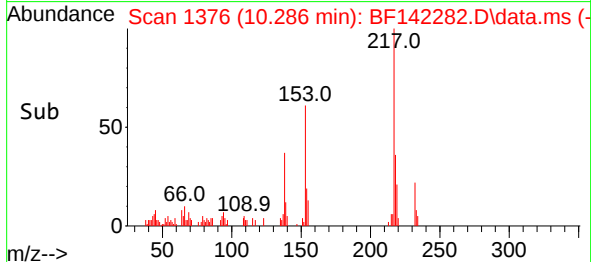
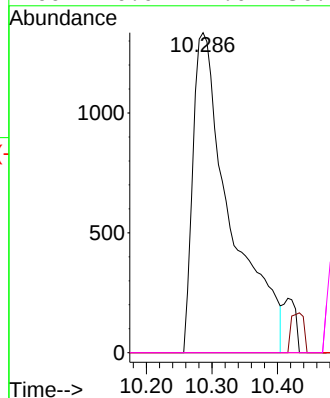
Ion Ratio Lower Upper

232 100

131 0.0 35.9 53.9#

130 0.0 1.8 2.6#

166 0.0 24.0 36.0#



#62

4-Nitroaniline

Concen: 3.149 ng

RT: 10.486 min Scan# 1410

Delta R.T. -0.018 min

Lab File: BF142282.D

Acq: 02 May 2025 14:51

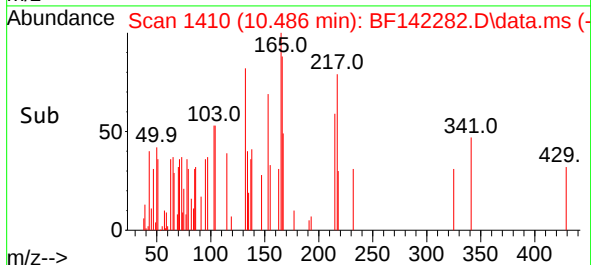
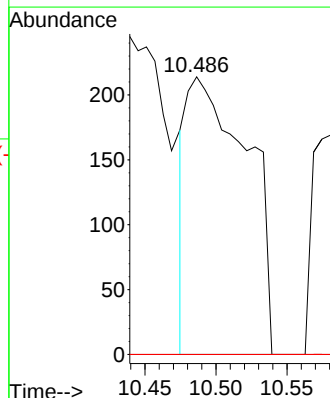
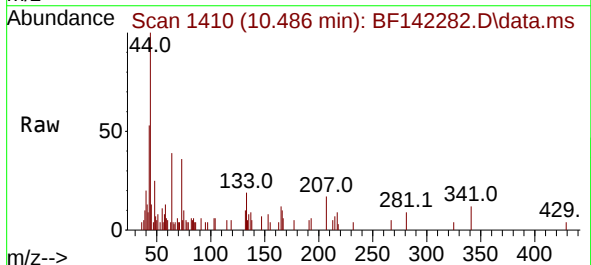
Tgt Ion:138 Resp: 633

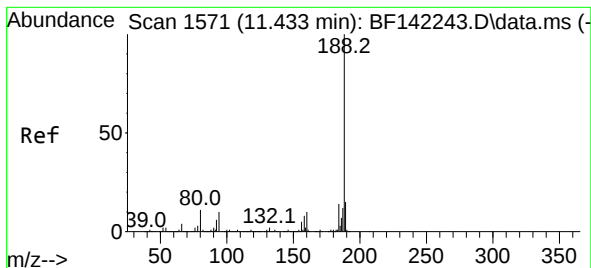
Ion Ratio Lower Upper

138 100

92 0.0 29.2 69.2#

108 0.0 49.1 89.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142282.D

Acq: 02 May 2025 14:51

Instrument :

BNA_F

ClientSampleId :

CO-8R-WC

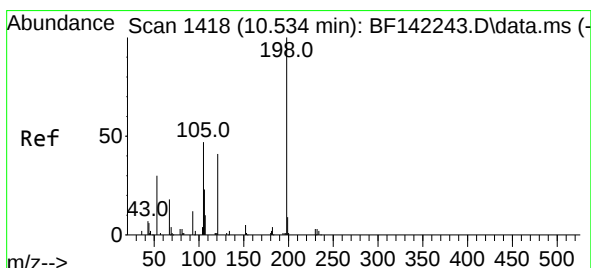
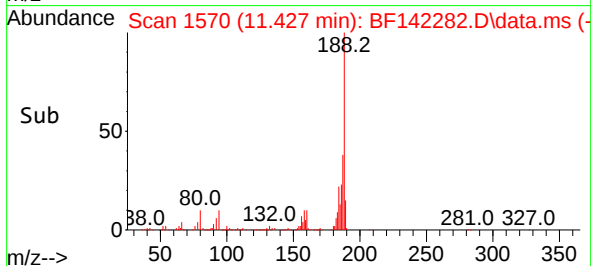
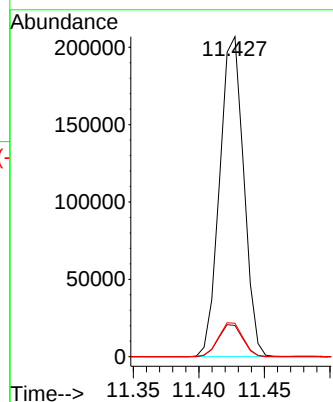
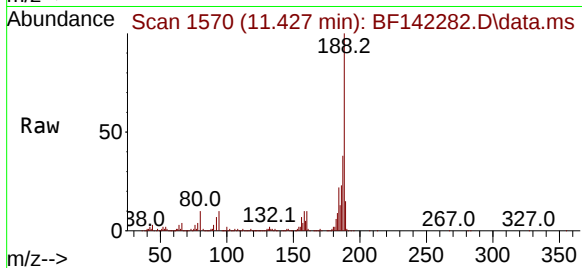
Tgt Ion:188 Resp: 263917

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.2

80 10.5 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 11.419 ng

RT: 10.727 min Scan# 1451

Delta R.T. 0.193 min

Lab File: BF142282.D

Acq: 02 May 2025 14:51

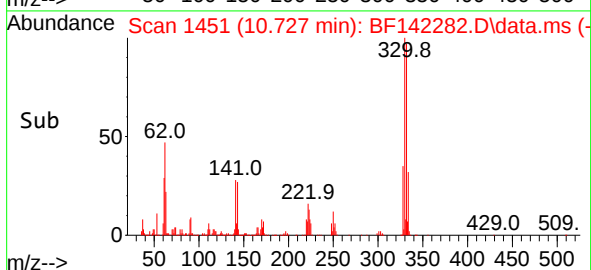
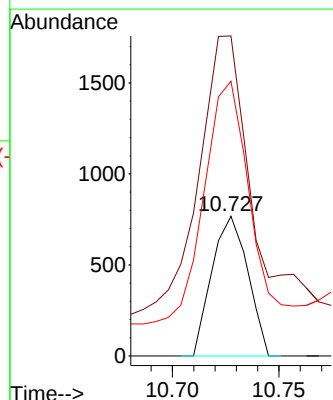
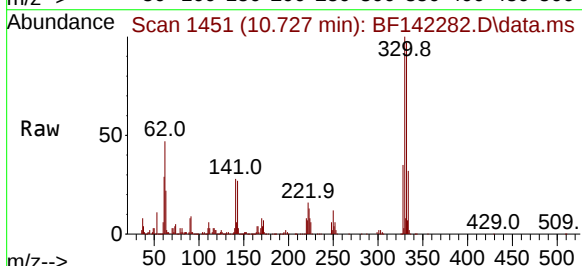
Tgt Ion:198 Resp: 901

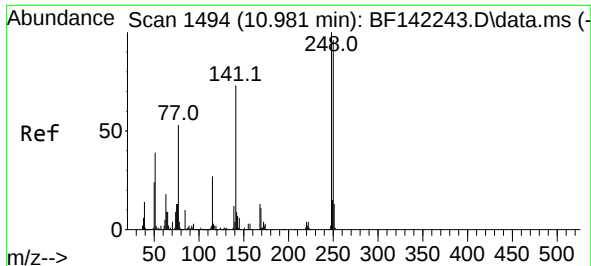
Ion Ratio Lower Upper

198 100

51 229.2 40.6 80.6#

105 196.7 29.2 69.2#

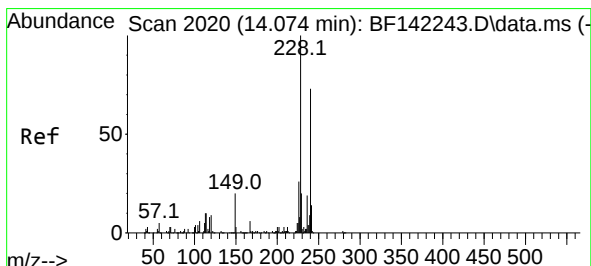
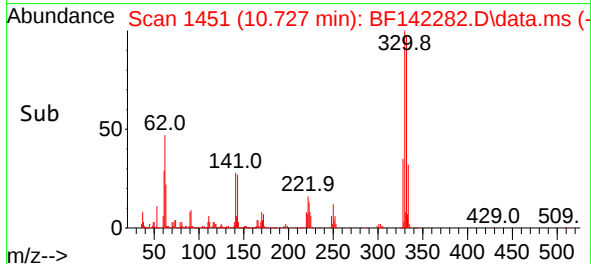
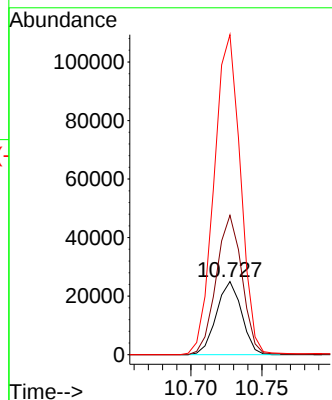
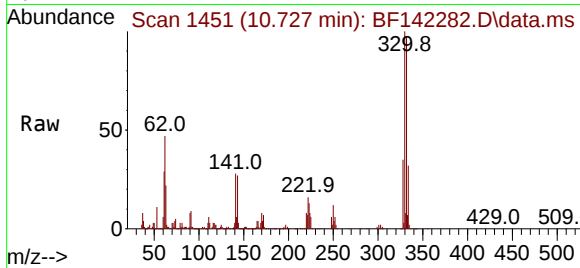




#67
4-Bromophenyl-phenylether
Concen: 10.495 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

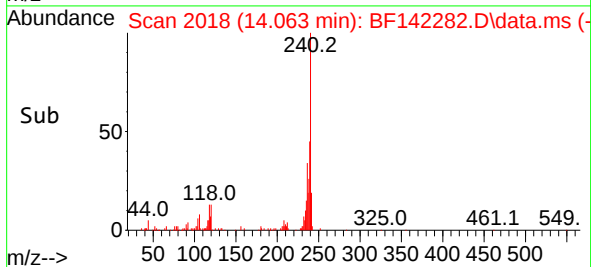
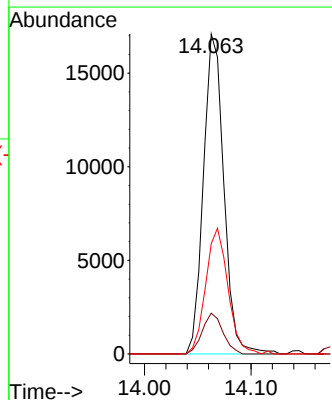
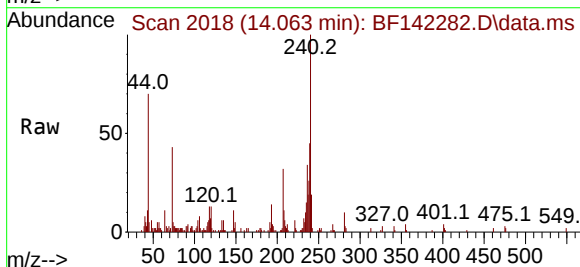
Instrument :
BNA_F
ClientSampleId :
CO-8R-WC

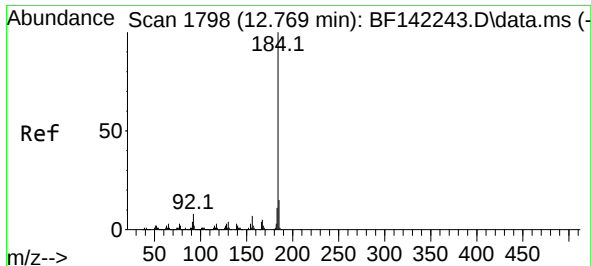
Tgt Ion:248 Resp: 30847
Ion Ratio Lower Upper
248 100
250 190.8 77.2 115.8#
141 438.0 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

Tgt Ion:240 Resp: 22813
Ion Ratio Lower Upper
240 100
120 12.7 10.1 15.1
236 34.4 20.5 30.7#

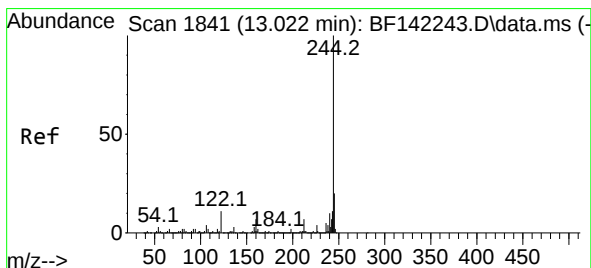
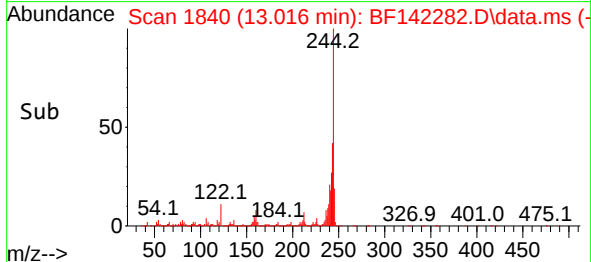
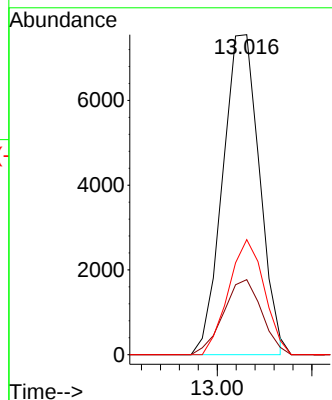
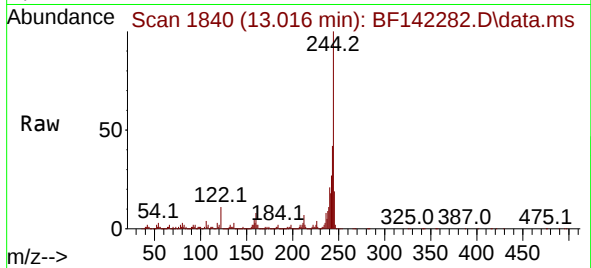




#77
Benzidine
Concen: 10.533 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.247 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

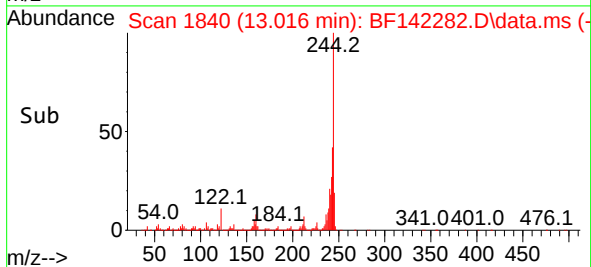
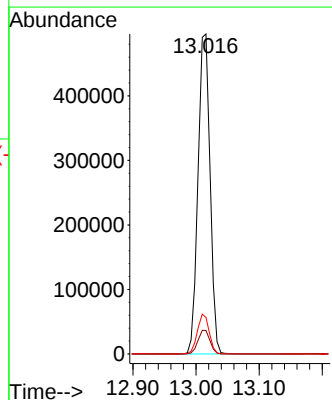
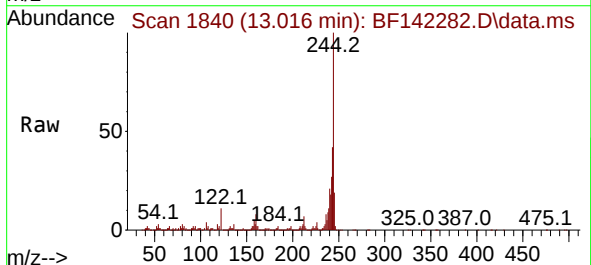
Instrument :
BNA_F
ClientSampleId :
CO-8R-WC

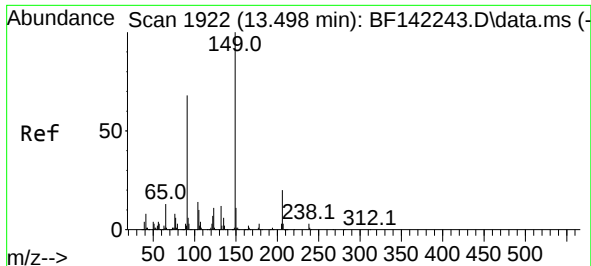
Tgt Ion:184 Resp: 10210
Ion Ratio Lower Upper
184 100
185 23.4 11.8 17.6#
183 35.9 8.9 13.3#



#79
Terphenyl-d14
Concen: 418.824 ng
RT: 13.016 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

Tgt Ion:244 Resp: 656943
Ion Ratio Lower Upper
244 100
212 7.3 5.3 7.9
122 11.4 9.1 13.7

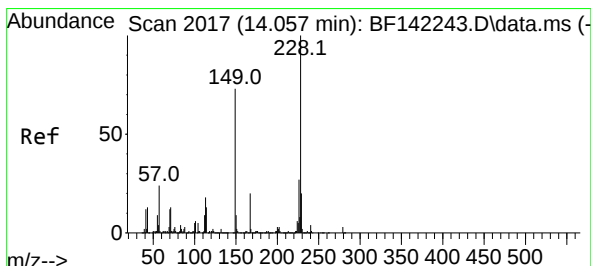
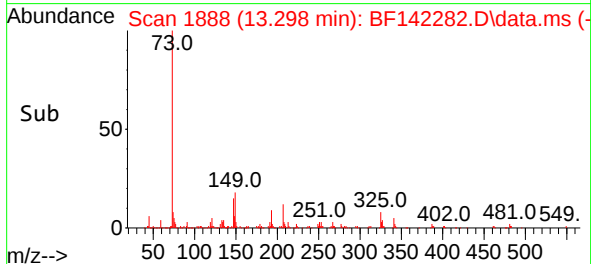
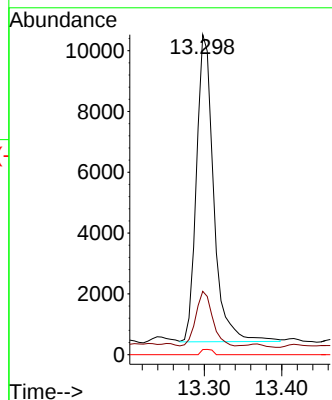
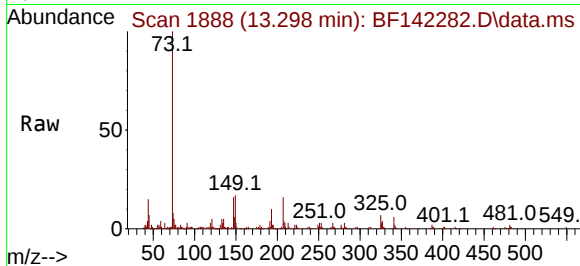




#80
Butylbenzylphthalate
Concen: 28.715 ng
RT: 13.298 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

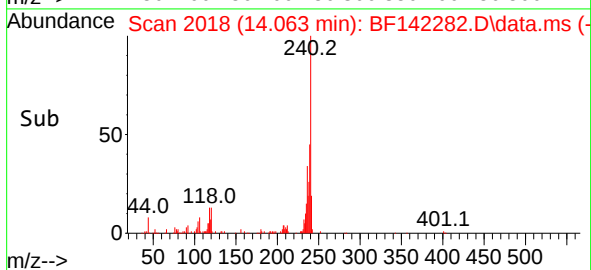
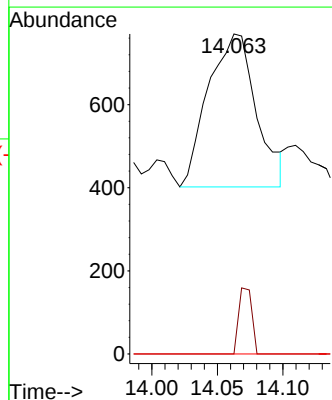
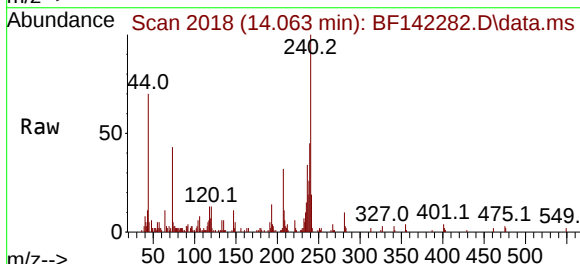
Instrument :
BNA_F
ClientSampleId :
CO-8R-WC

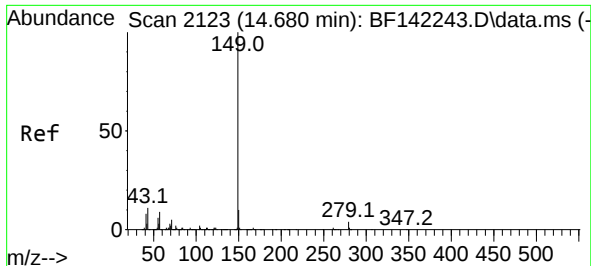
Tgt Ion:149 Resp: 15591
Ion Ratio Lower Upper
149 100
91 19.8 54.4 81.6#
206 1.6 15.9 23.9#



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.546 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

Tgt Ion:149 Resp: 938
Ion Ratio Lower Upper
149 100
167 0.0 21.7 32.5#
279 0.0 3.0 4.4#

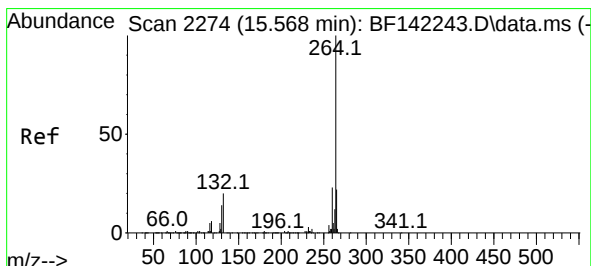
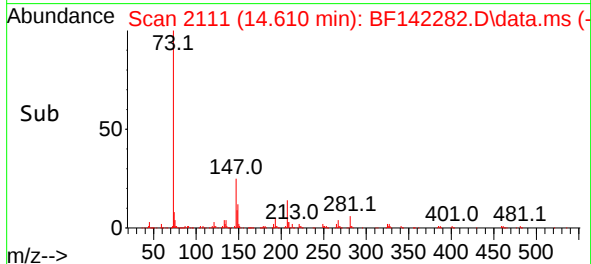
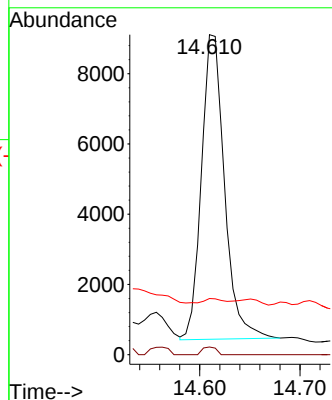
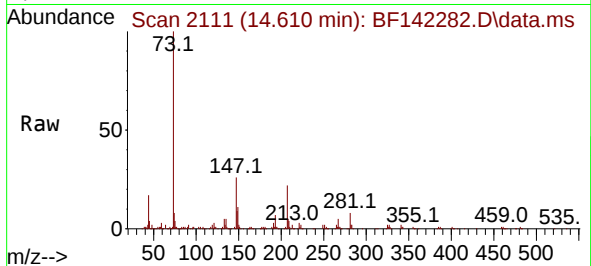




#85
Di-n-octyl phthalate
Concen: 14.389 ng
RT: 14.610 min Scan# 2111
Delta R.T. -0.070 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

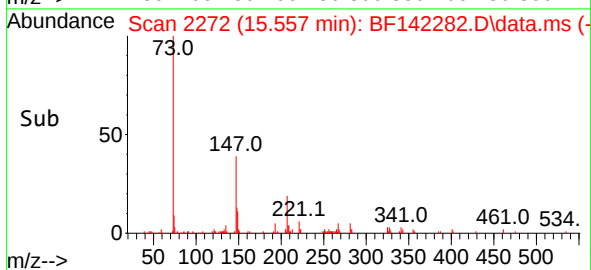
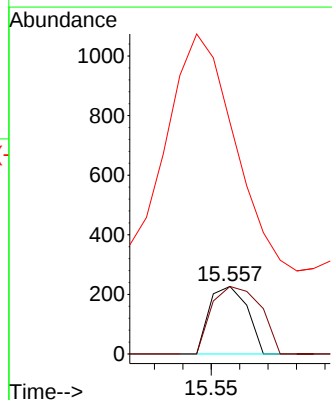
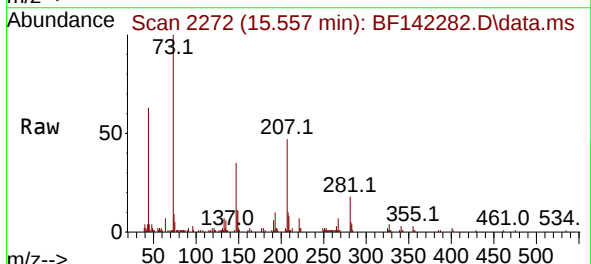
Instrument :
BNA_F
ClientSampleId :
CO-8R-WC

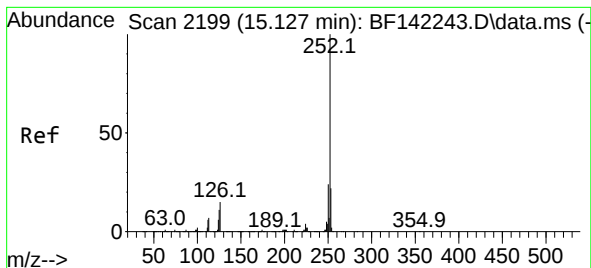
Tgt Ion:149 Resp: 13916
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 1.0 9.3 13.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142282.D
Acq: 02 May 2025 14:51

Tgt Ion:264 Resp: 209
Ion Ratio Lower Upper
264 100
260 100.0 18.4 27.6#
265 342.3 17.3 25.9#





#88

Benzo(b)fluoranthene

Concen: 62.778 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF142282.D

Acq: 02 May 2025 14:51

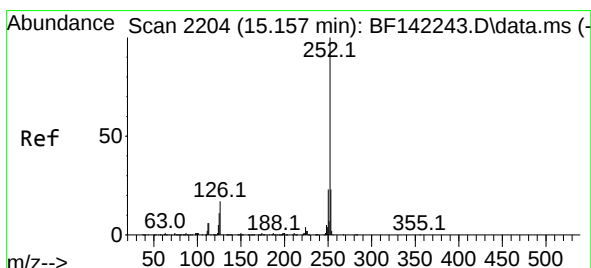
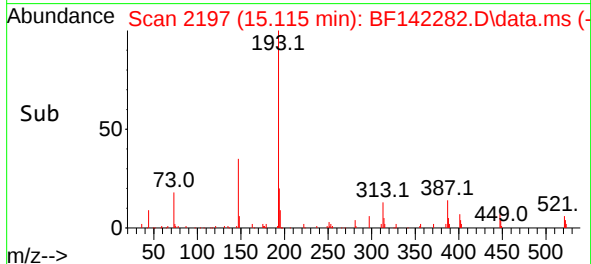
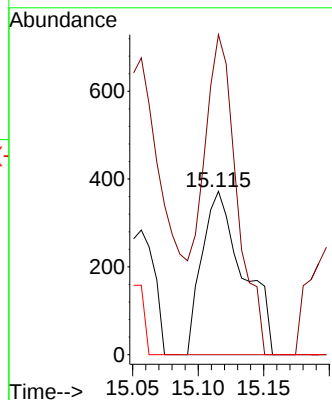
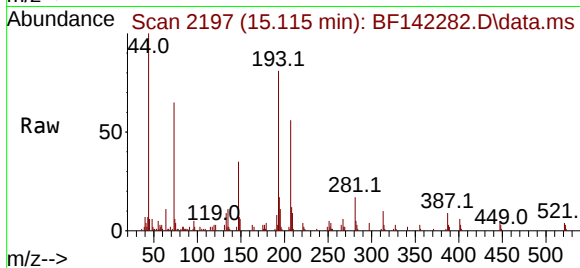
Instrument :

BNA_F

ClientSampleId :

CO-8R-WC

Tgt Ion:	252	Resp:	815
Ion Ratio	Lower	Upper	
252	100		
253	196.0	17.7	26.5#
125	0.0	9.0	13.4#



#89

Benzo(k)fluoranthene

Concen: 68.634 ng

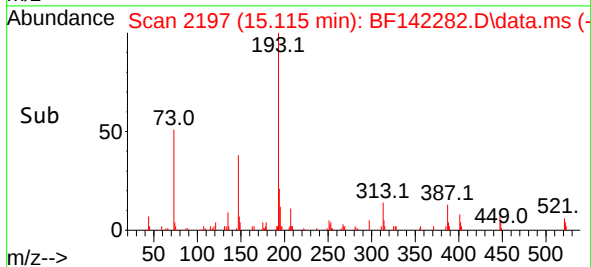
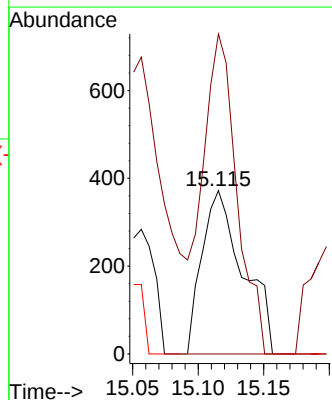
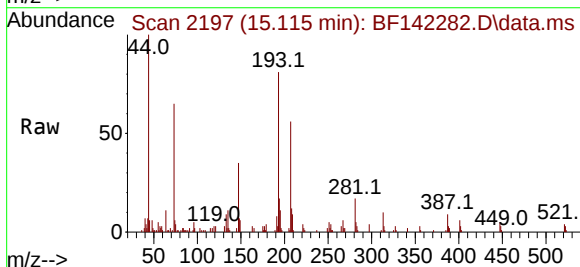
RT: 15.115 min Scan# 2197

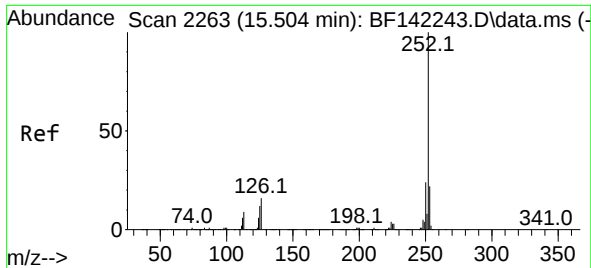
Delta R.T. -0.041 min

Lab File: BF142282.D

Acq: 02 May 2025 14:51

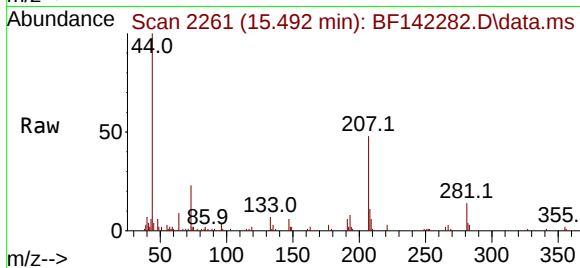
Tgt Ion:	252	Resp:	815
Ion Ratio	Lower	Upper	
252	100		
253	196.0	17.8	26.8#
125	0.0	9.0	13.6#





#90
 Benzo(a)pyrene
 Concen: 9.507 ng
 RT: 15.492 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142282.D
 Acq: 02 May 2025 14:51

Instrument :
 BNA_F
 ClientSampleId :
 CO-8R-WC



Tgt Ion:252 Resp: 113
 Ion Ratio Lower Upper
 252 100
 253 123.5 17.6 26.4#
 125 0.0 9.5 14.3#

