

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
 Data File : BF143437.D
 Acq On : 18 Aug 2025 13:08
 Operator : RC/JU
 Sample : Q2811-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WASTE WATER

Quant Time: Aug 18 13:40:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

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

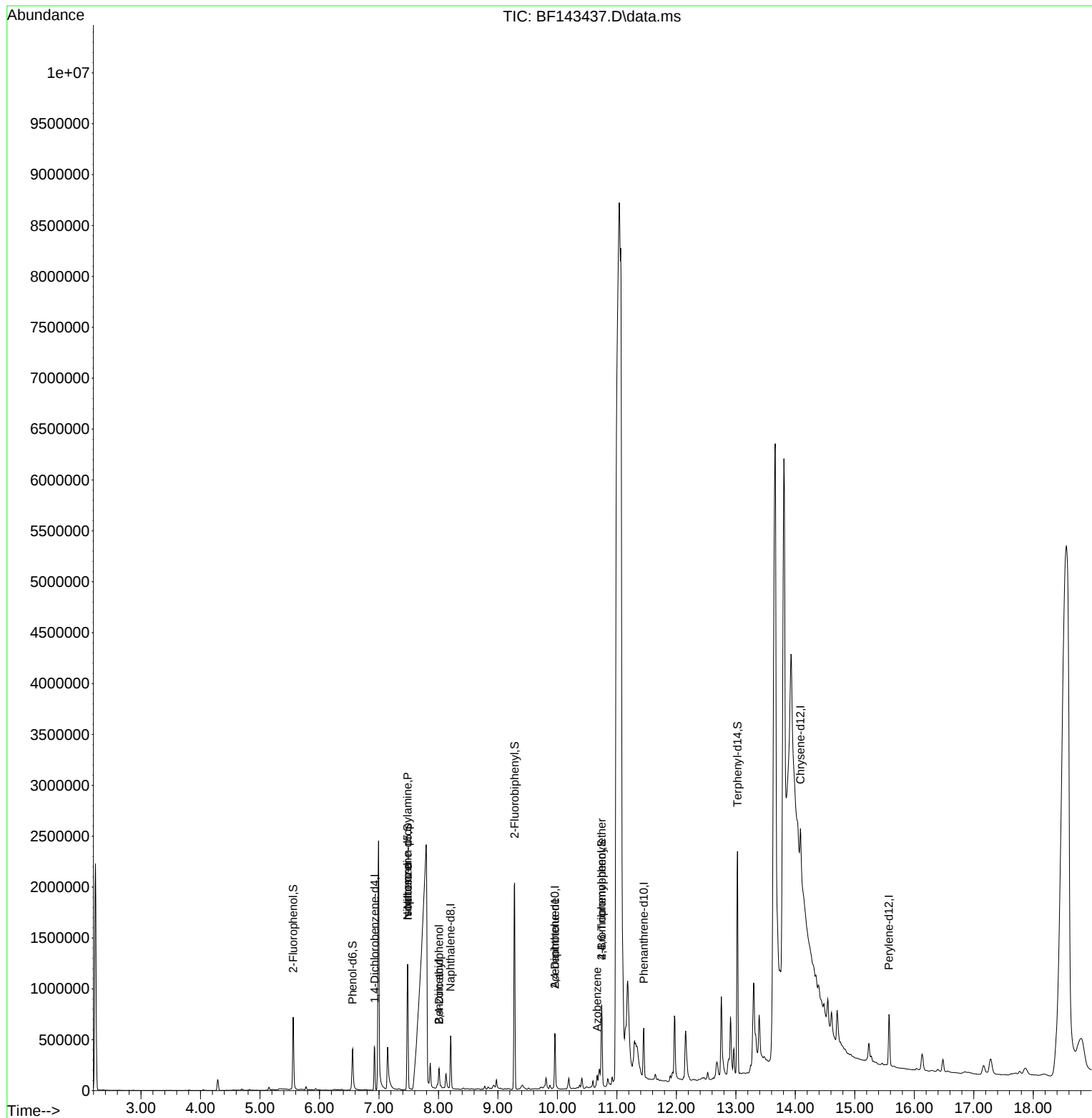
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	92191	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	319129	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	158523	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	243989	20.000	ng	0.00
76) Chrysene-d12	14.086	240	246388	20.000	ng	0.00
86) Perylene-d12	15.574	264	313738	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	264630	49.898	ng	0.00
7) Phenol-d6	6.557	99	213193	31.898	ng	0.00
23) Nitrobenzene-d5	7.481	82	524619	97.548	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	135208	95.826	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	901779	95.682	ng	0.00
79) Terphenyl-d14	13.027	244	1116463	76.120	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	71900	17.377	ng	# 78
25) Isophorone	7.481	82	521344	50.649	ng	# 65
27) 2,4-Dimethylphenol	8.010	122	53474	12.137	ng	# 5
32) Benzoic acid	8.010	122	55192	24.087	ng	97
57) 2,4-Dinitrotoluene	9.957	165	21003	8.086	ng	# 25
63) Azobenzene	10.669	77	27340	2.962	ng	# 1
67) 4-Bromophenyl-phenylether	10.745	248	8636	2.997	ng	# 1

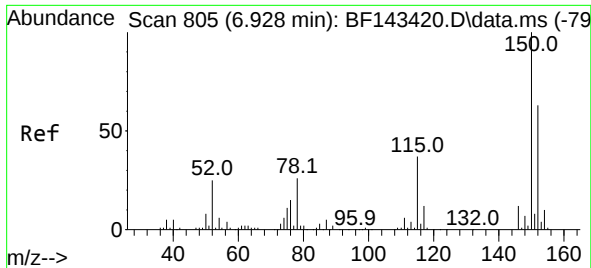
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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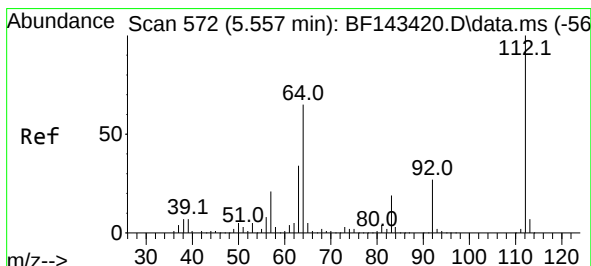
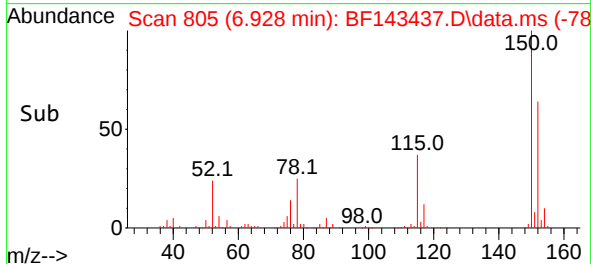
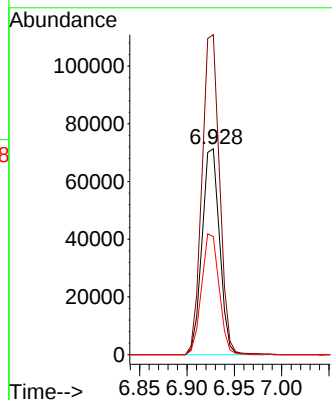
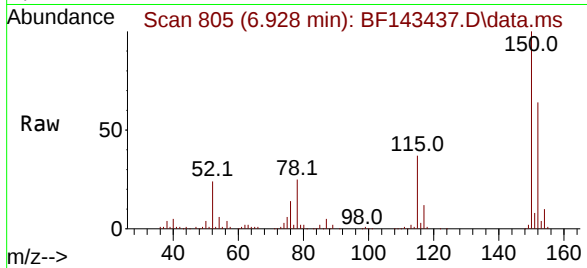




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143437.D
Acq: 18 Aug 2025 13:08

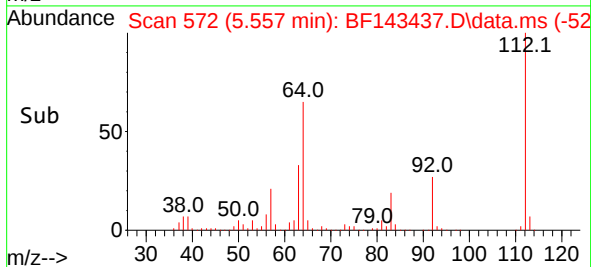
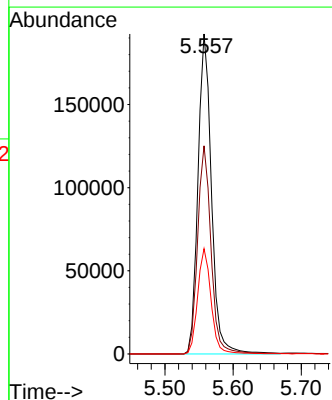
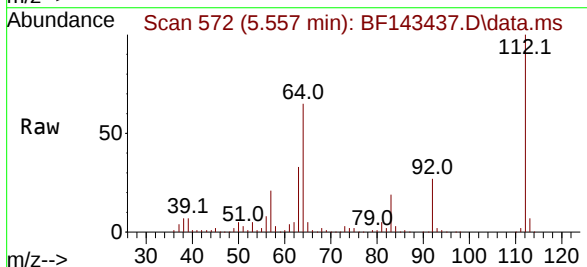
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

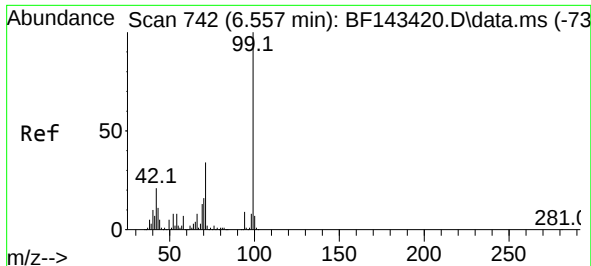
Tgt Ion:152 Resp: 92191
Ion Ratio Lower Upper
152 100
150 155.4 127.4 191.2
115 57.3 47.5 71.3



#5
2-Fluorophenol
Concen: 49.898 ng
RT: 5.557 min Scan# 572
Delta R.T. -0.000 min
Lab File: BF143437.D
Acq: 18 Aug 2025 13:08

Tgt Ion:112 Resp: 264630
Ion Ratio Lower Upper
112 100
64 65.1 52.2 78.2
63 32.9 27.0 40.6

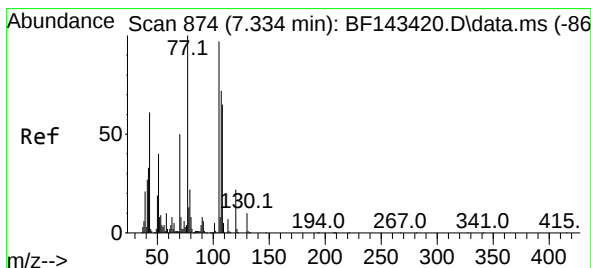
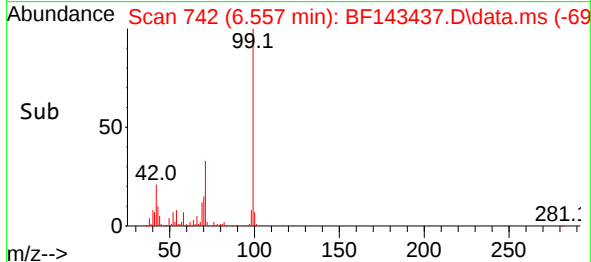
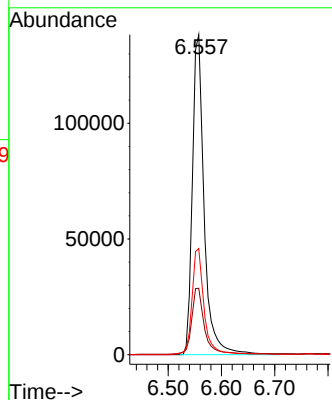
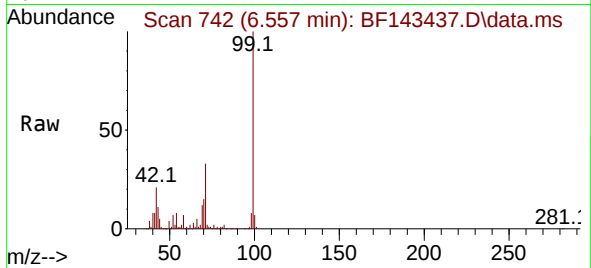




#7
Phenol-d6
Concen: 31.898 ng
RT: 6.557 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF143437.D
Acq: 18 Aug 2025 13:08

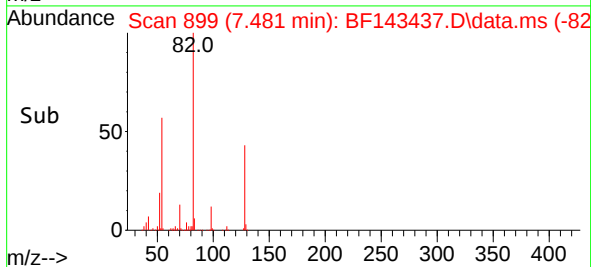
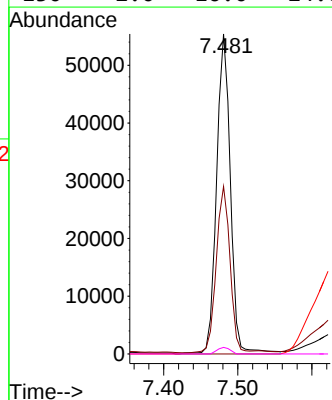
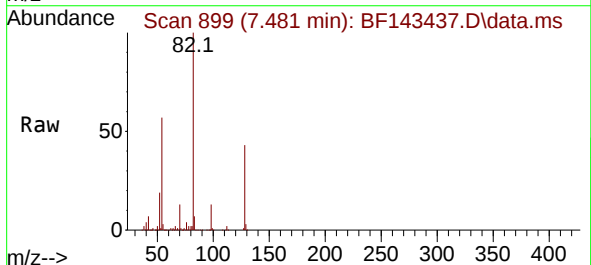
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER

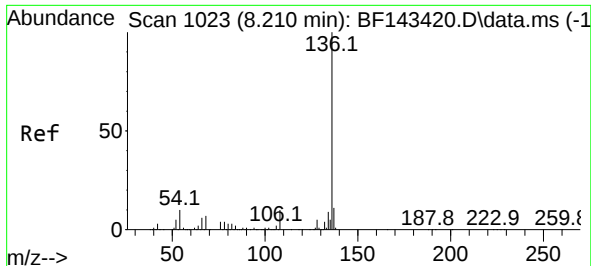
Tgt Ion: 99 Resp: 213193
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 33.2 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.377 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143437.D
Acq: 18 Aug 2025 13:08

Tgt Ion: 70 Resp: 71900
Ion Ratio Lower Upper
70 100
42 52.4 52.5 78.7#
101 0.0 7.9 11.9#
130 2.0 16.0 24.0#

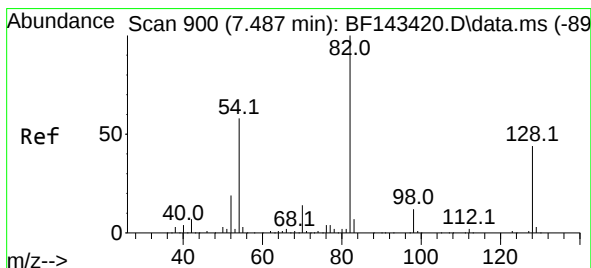
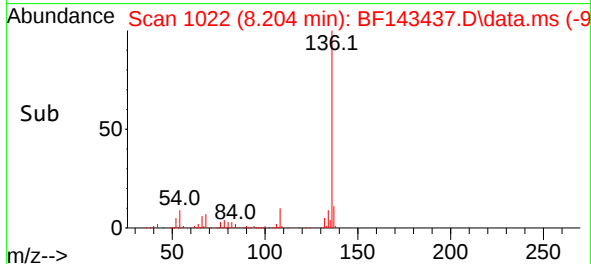
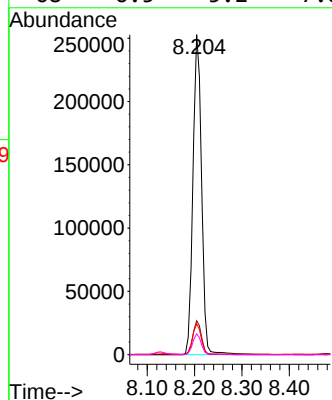
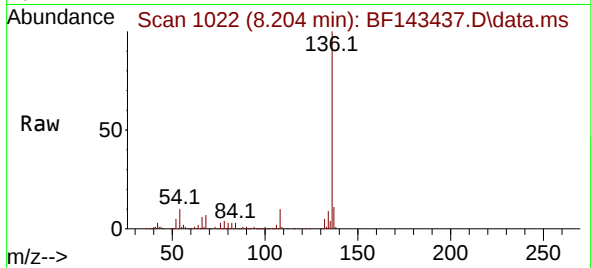




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF143437.D
Acq: 18 Aug 2025 13:08

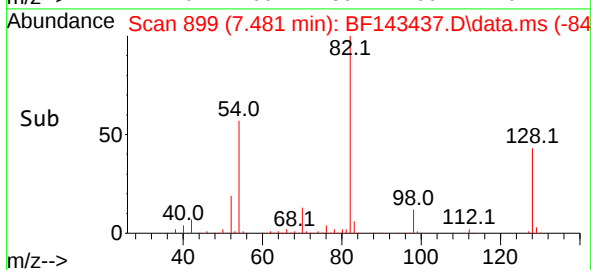
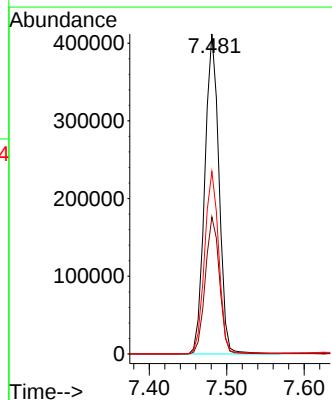
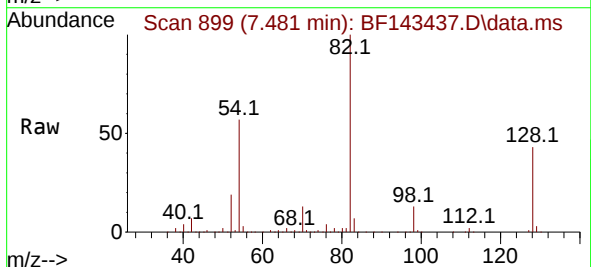
Instrument :
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ClientSampleId :
EFF-WASTE WATER

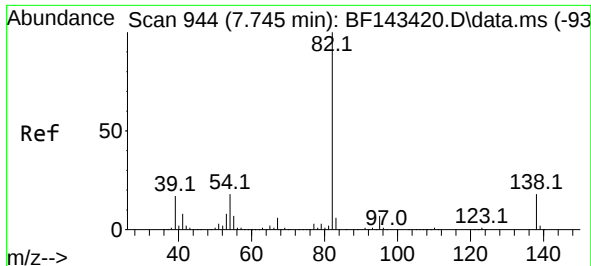
Tgt Ion:	136	Resp:	319129
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.8	13.2
54	9.6	7.8	11.8
68	6.5	5.2	7.8



#23
Nitrobenzene-d5
Concen: 97.548 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143437.D
Acq: 18 Aug 2025 13:08

Tgt Ion:	82	Resp:	524619
Ion Ratio	Lower	Upper	
82	100		
128	42.8	34.6	52.0
54	57.0	46.0	69.0

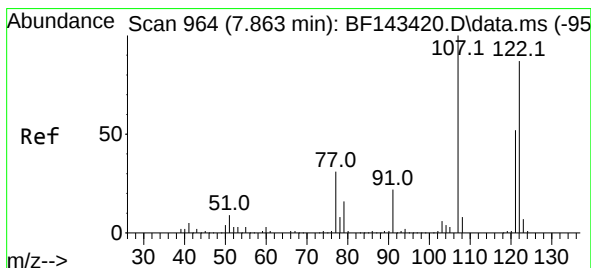
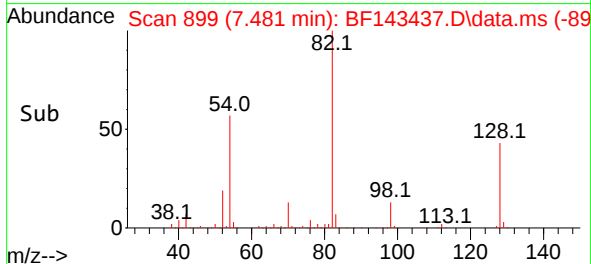
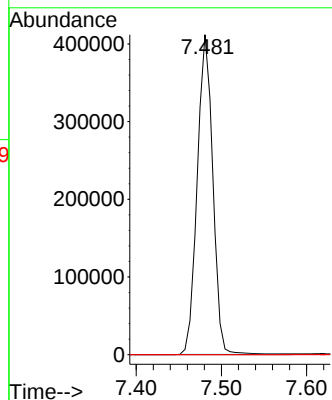
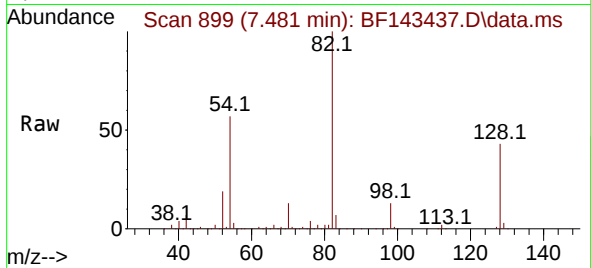




#25
Isophorone
Concen: 50.649 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143437.D
Acq: 18 Aug 2025 13:08

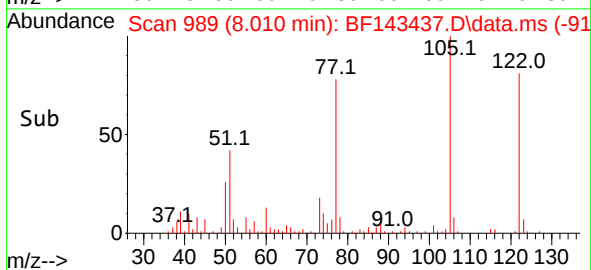
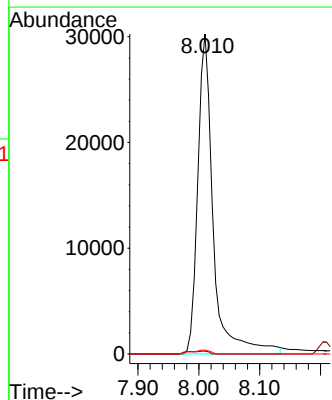
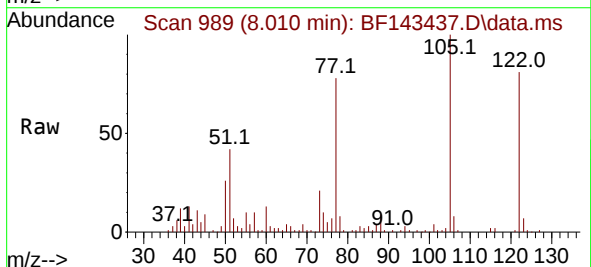
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EFF-WASTE WATER

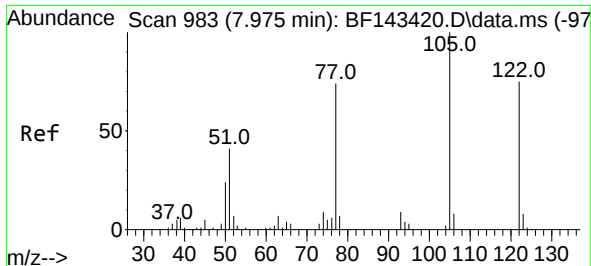
Tgt Ion: 82 Resp: 521344
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#27
2,4-Dimethylphenol
Concen: 12.137 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.147 min
Lab File: BF143437.D
Acq: 18 Aug 2025 13:08

Tgt Ion:122 Resp: 53474
Ion Ratio Lower Upper
122 100
107 0.9 90.4 135.6#
121 1.2 46.7 70.1#

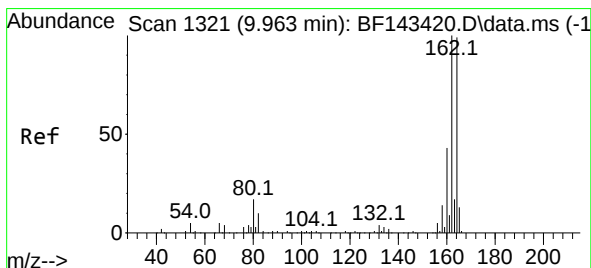
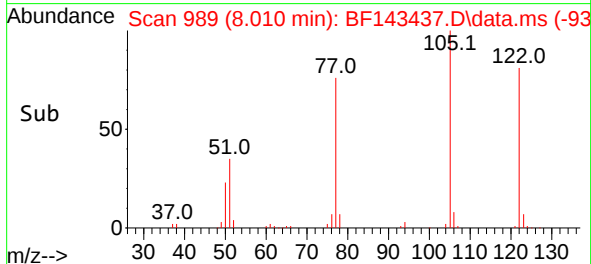
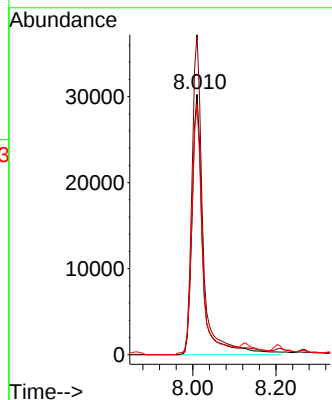
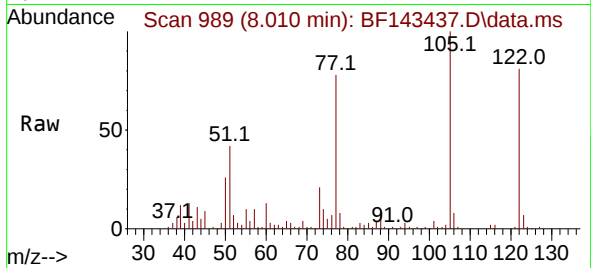




#32
Benzoic acid
Concen: 24.087 ng
RT: 8.010 min Scan# 91
Delta R.T. 0.035 min
Lab File: BF143437.D
Acq: 18 Aug 2025 13:08

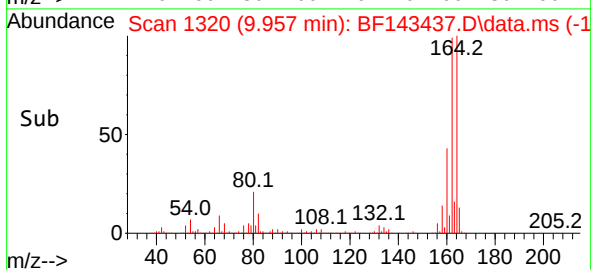
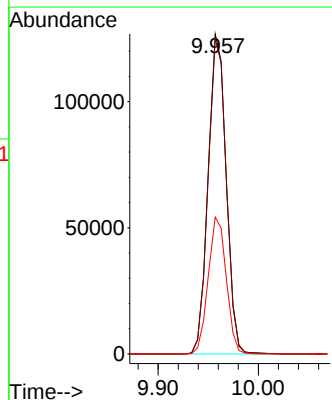
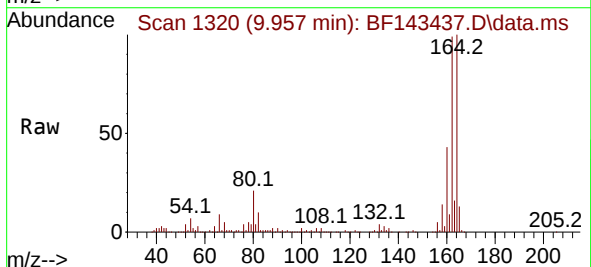
Instrument :
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ClientSampleId :
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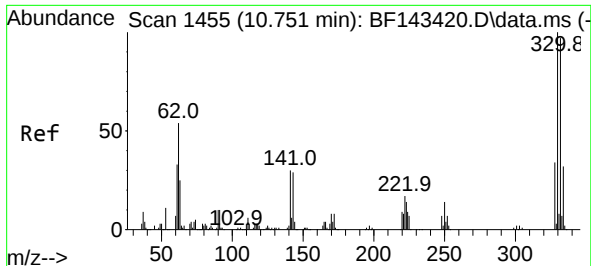
Tgt Ion:122 Resp: 55192
Ion Ratio Lower Upper
122 100
105 122.9 108.4 148.4
77 96.0 75.9 115.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143437.D
Acq: 18 Aug 2025 13:08

Tgt Ion:164 Resp: 158523
Ion Ratio Lower Upper
164 100
162 98.5 80.6 121.0
160 42.7 34.6 51.8





#42

2,4,6-Tribromophenol

Concen: 95.826 ng

RT: 10.745 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF143437.D

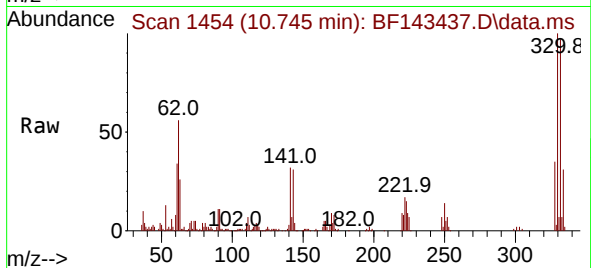
Acq: 18 Aug 2025 13:08

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE WATER



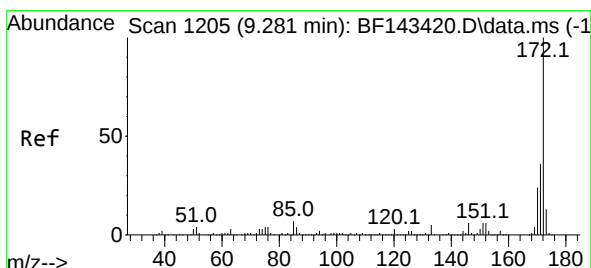
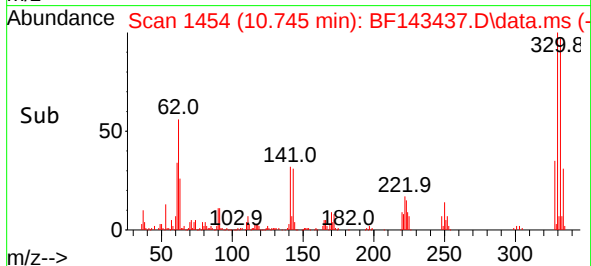
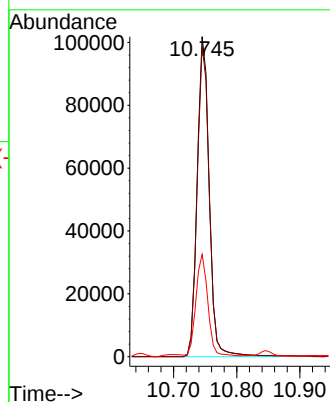
Tgt Ion:330 Resp: 135208

Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.2

141 31.7 24.1 36.1



#45

2-Fluorobiphenyl

Concen: 95.682 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.000 min

Lab File: BF143437.D

Acq: 18 Aug 2025 13:08

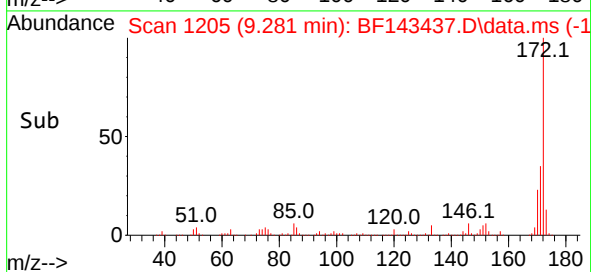
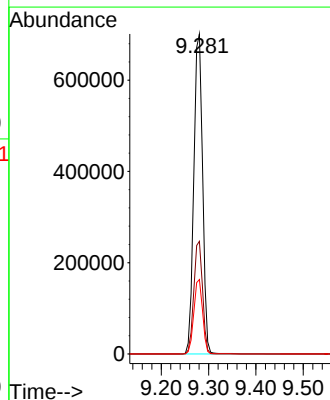
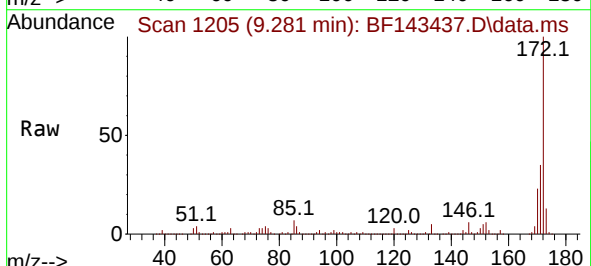
Tgt Ion:172 Resp: 901779

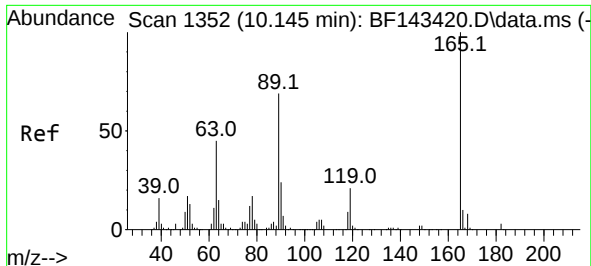
Ion Ratio Lower Upper

172 100

171 35.2 28.7 43.1

170 23.3 19.0 28.6

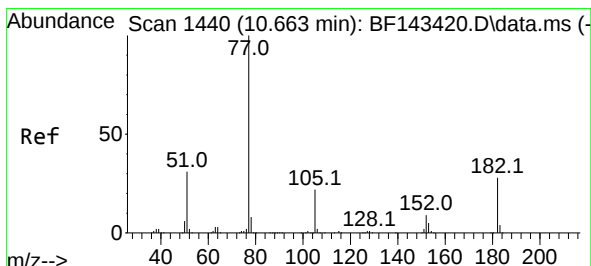
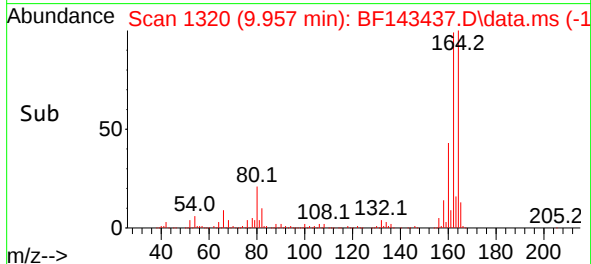
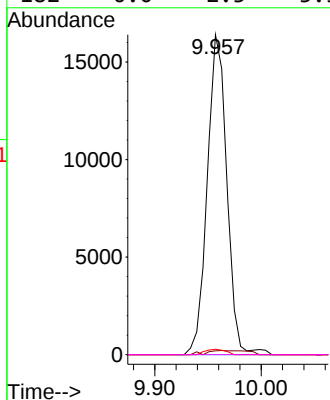
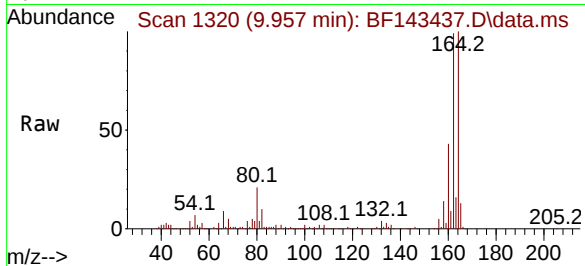




#57
2,4-Dinitrotoluene
Concen: 8.086 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF143437.D
Acq: 18 Aug 2025 13:08

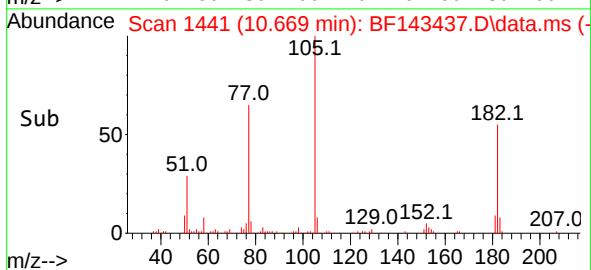
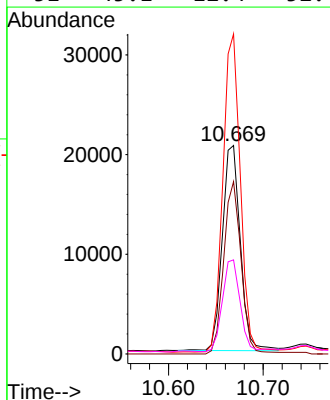
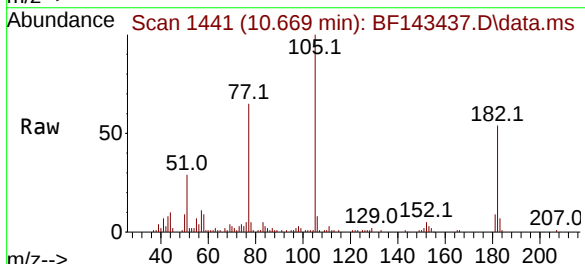
Instrument :
BNA_F
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EFF-WASTE WATER

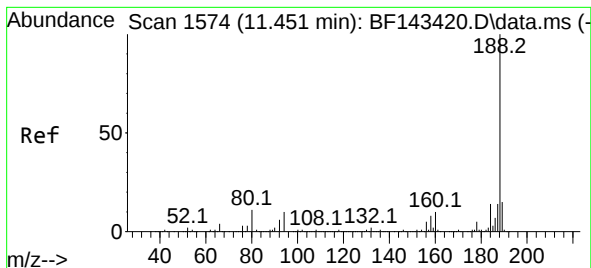
Tgt Ion:	165	Resp:	21003
Ion	Ratio	Lower	Upper
165	100		
63	1.2	37.0	55.6#
89	1.7	55.4	83.0#
182	0.0	2.3	3.5#



#63
Azobenzene
Concen: 2.962 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143437.D
Acq: 18 Aug 2025 13:08

Tgt Ion:	77	Resp:	27340
Ion	Ratio	Lower	Upper
77	100		
182	82.7	7.4	47.4#
105	153.5	1.7	41.7#
51	45.1	12.4	52.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143437.D

Acq: 18 Aug 2025 13:08

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE WATER

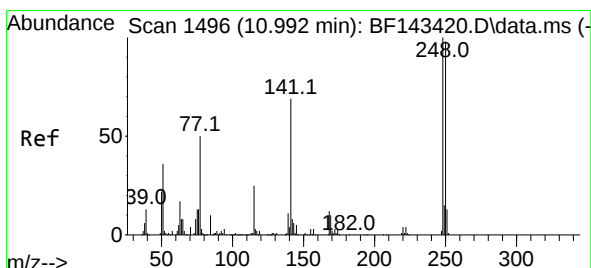
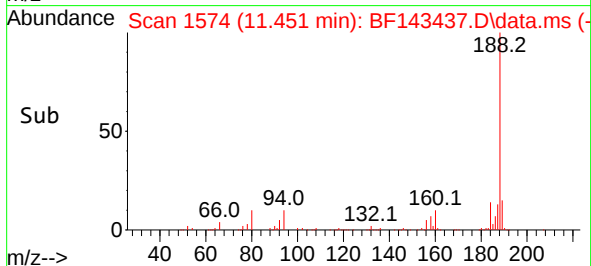
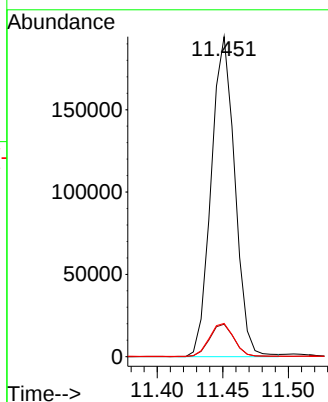
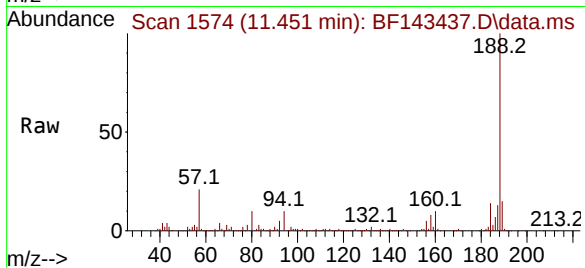
Tgt Ion:188 Resp: 243989

Ion Ratio Lower Upper

188 100

94 10.2 8.0 12.0

80 10.4 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.997 ng

RT: 10.745 min Scan# 1454

Delta R.T. -0.247 min

Lab File: BF143437.D

Acq: 18 Aug 2025 13:08

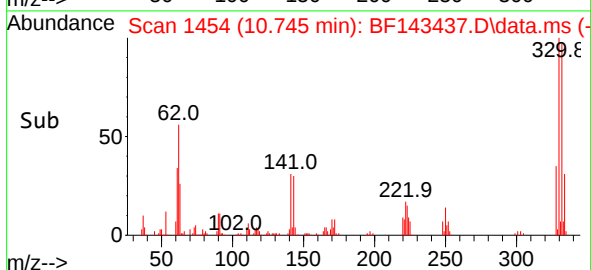
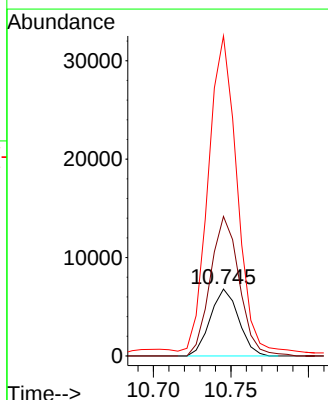
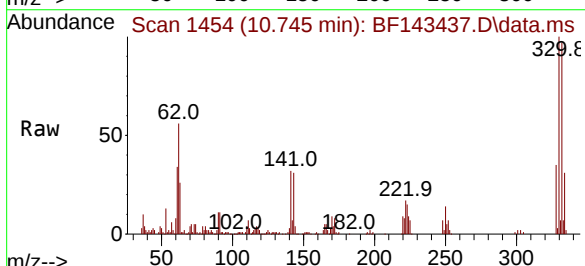
Tgt Ion:248 Resp: 8636

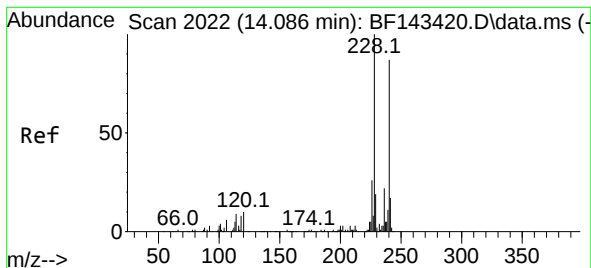
Ion Ratio Lower Upper

248 100

250 208.9 78.6 118.0#

141 478.8 54.9 82.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF143437.D

Acq: 18 Aug 2025 13:08

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE WATER

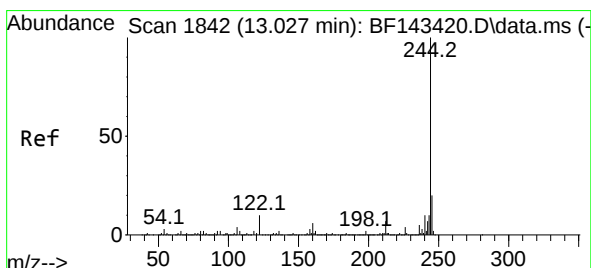
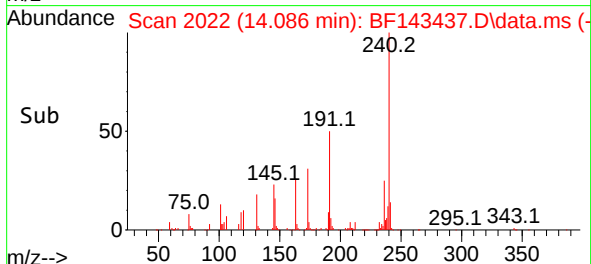
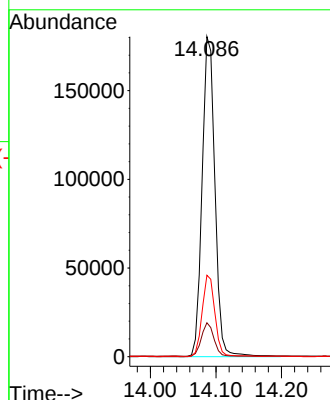
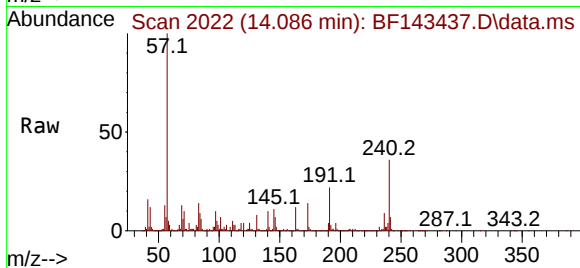
Tgt Ion:240 Resp: 246388

Ion Ratio Lower Upper

240 100

120 10.6 9.0 13.4

236 25.5 20.2 30.2



#79

Terphenyl-d14

Concen: 76.120 ng

RT: 13.027 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BF143437.D

Acq: 18 Aug 2025 13:08

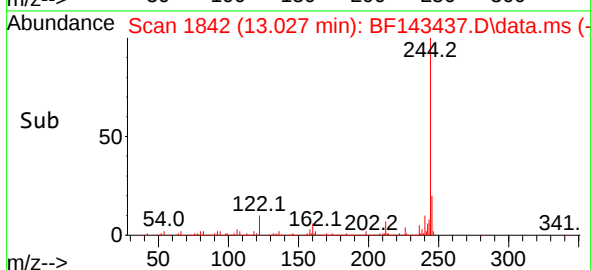
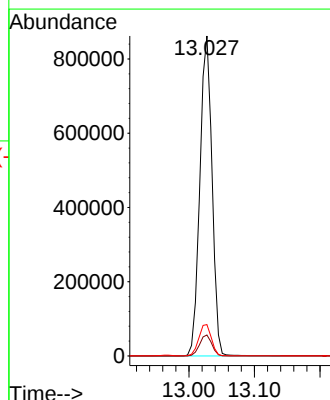
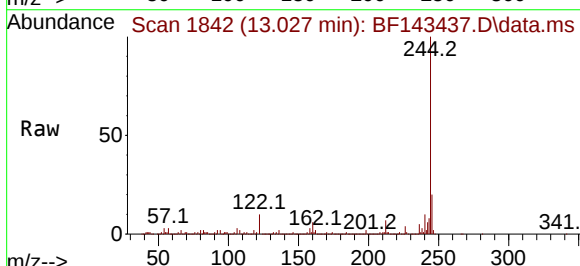
Tgt Ion:244 Resp: 1116463

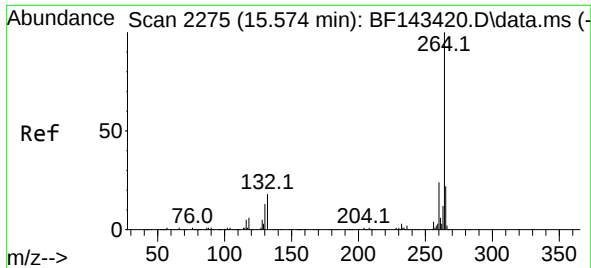
Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

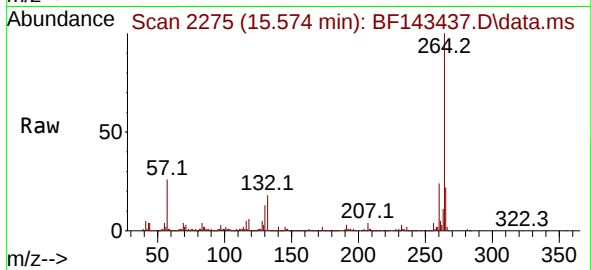
122 9.8 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143437.D
Acq: 18 Aug 2025 13:08

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE WATER



Tgt Ion:264	Resp:	313738
Ion	Ratio	Lower Upper
264	100	
260	23.5	18.8 28.2
265	21.6	17.4 26.0

