

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042225\
 Data File : BF142214.D
 Acq On : 22 Apr 2025 16:21
 Operator : RC/JU
 Sample : Q1833-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WASTE-WATER

Quant Time: Apr 22 16:58:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 22 02:14:30 2025
 Response via : Initial Calibration

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

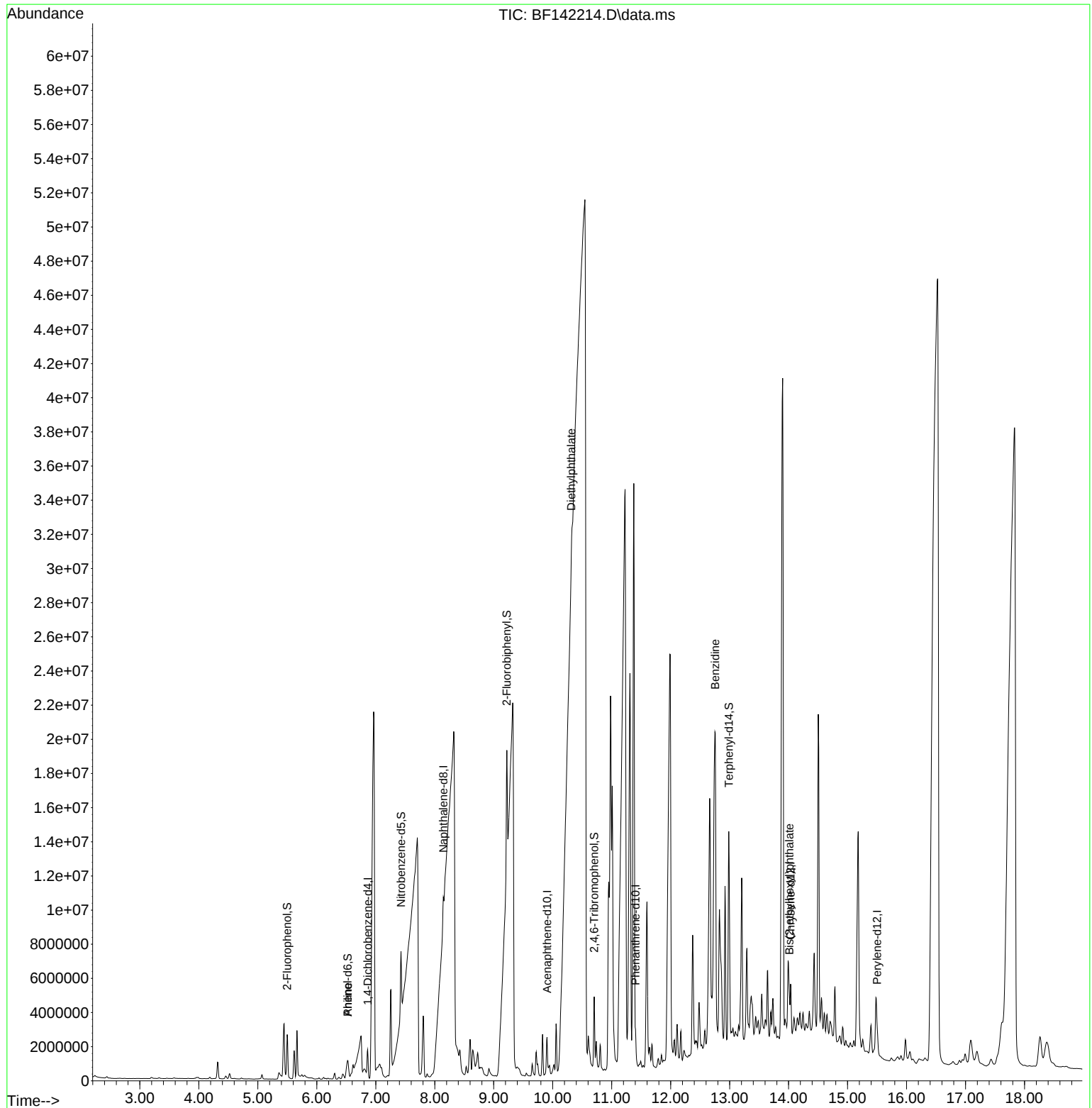
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	345068	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	1084325	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	603030	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	1064759	20.000	ng	0.02
76) Chrysene-d12	14.033	240	1125179	20.000	ng	0.00
86) Perylene-d12	15.504	264	823852	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1138361	61.850	ng	0.02
7) Phenol-d6	6.522	99	1017953	44.163	ng	0.03
23) Nitrobenzene-d5	7.428	82	1833703	106.205	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	865384	104.959	ng	0.01
45) 2-Fluorobiphenyl	9.222	172	3619144	97.822	ng	0.00
79) Terphenyl-d14	12.986	244	5011332	74.615	ng	0.01
Target Compounds						
						Qvalue
6) Aniline	6.528	93	102385	4.811	ng	# 51
60) Diethylphthalate	10.316	149	75792m	2.099	ng	
77) Benzidine	12.757	184	9270030	638.429	ng	# 92
84) Bis(2-ethylhexyl)phtha...	14.015	149	189431	6.546	ng	# 87

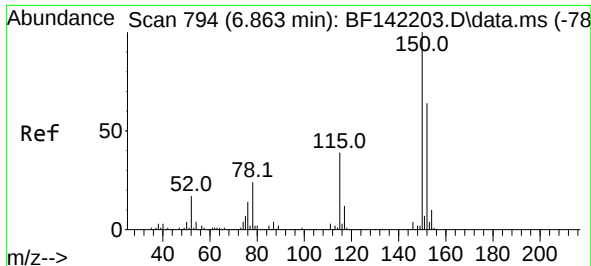
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 22 16:58:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 22 02:14:30 2025
Response via : Initial Calibration

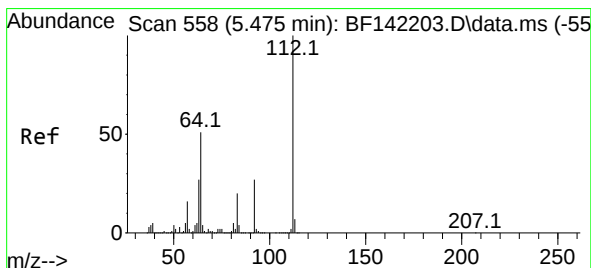
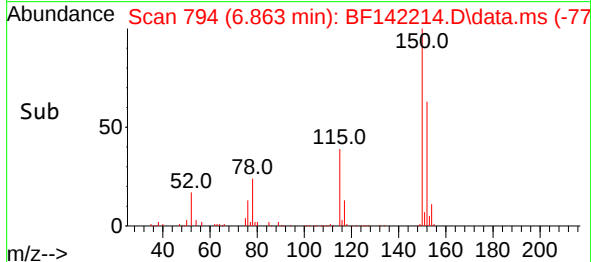
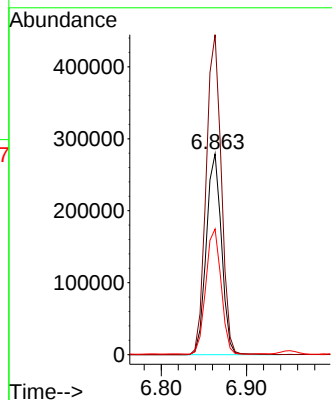
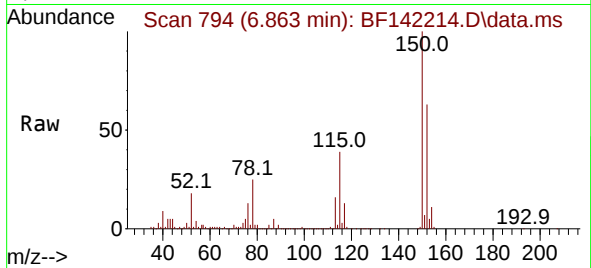




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. 0.000 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

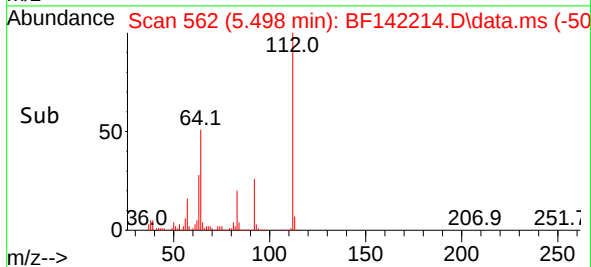
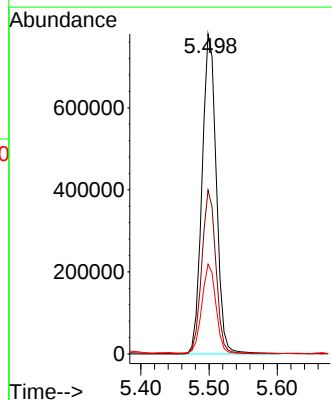
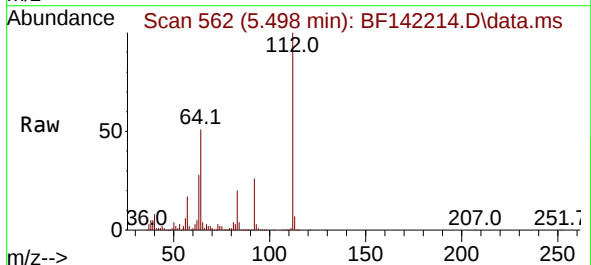
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATER

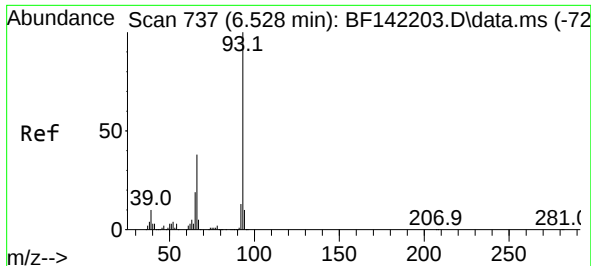
Tgt Ion:152 Resp: 345068
Ion Ratio Lower Upper
152 100
150 159.4 126.4 189.6
115 62.6 49.4 74.2



#5
2-Fluorophenol
Concen: 61.850 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.023 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

Tgt Ion:112 Resp: 1138361
Ion Ratio Lower Upper
112 100
64 51.2 40.9 61.3
63 28.1 22.0 33.0

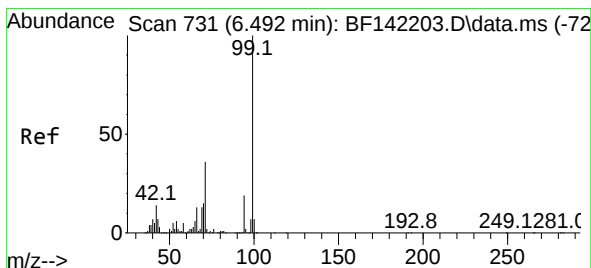
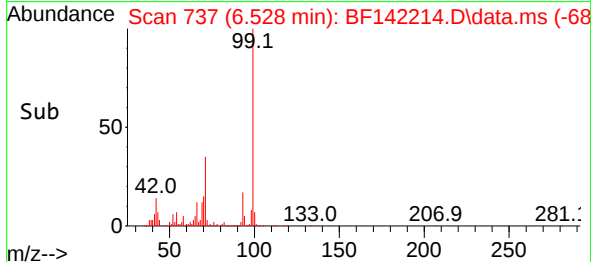
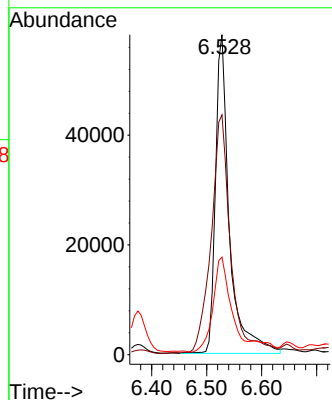
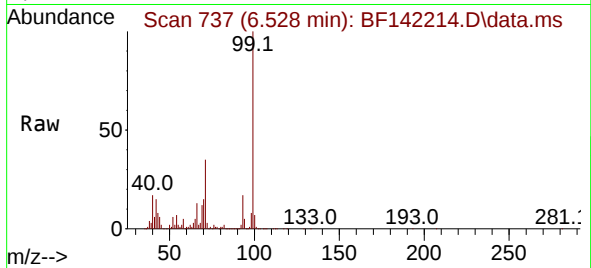




#6
 Aniline
 Concen: 4.811 ng
 RT: 6.528 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: BF142214.D
 Acq: 22 Apr 2025 16:21

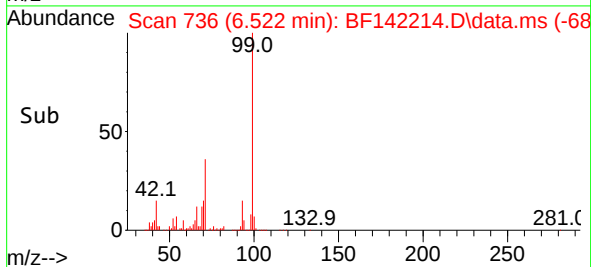
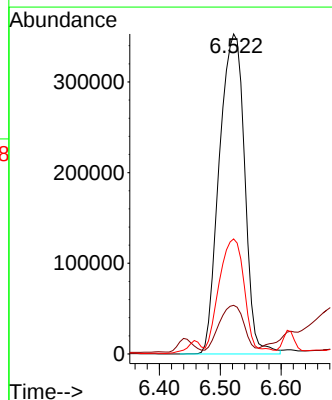
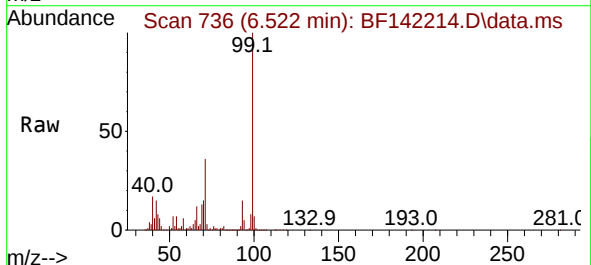
Instrument :
 BNA_F
 ClientSampleId :
 EFF-WASTE-WATER

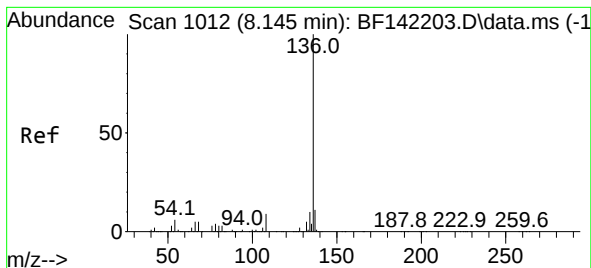
Tgt Ion: 93 Resp: 102385
 Ion Ratio Lower Upper
 93 100
 66 74.9 30.9 46.3#
 65 30.5 15.1 22.7#



#7
 Phenol-d6
 Concen: 44.163 ng
 RT: 6.522 min Scan# 736
 Delta R.T. 0.030 min
 Lab File: BF142214.D
 Acq: 22 Apr 2025 16:21

Tgt Ion: 99 Resp: 1017953
 Ion Ratio Lower Upper
 99 100
 42 15.2 11.5 17.3
 71 35.9 28.6 42.8

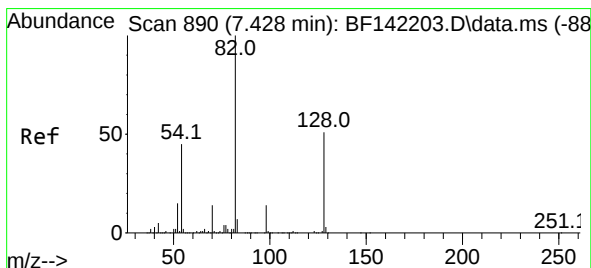
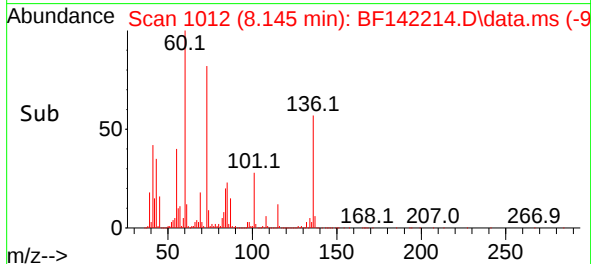
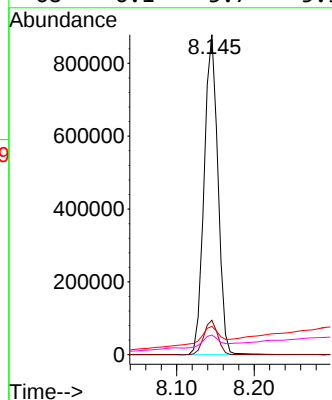
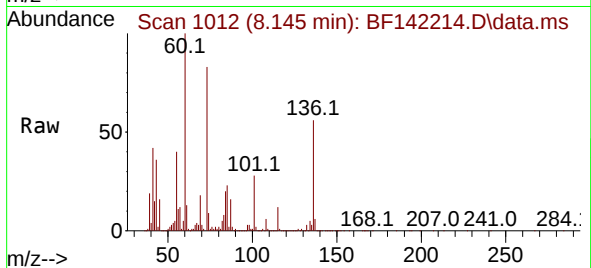




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

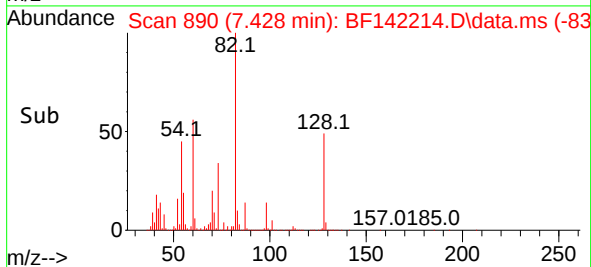
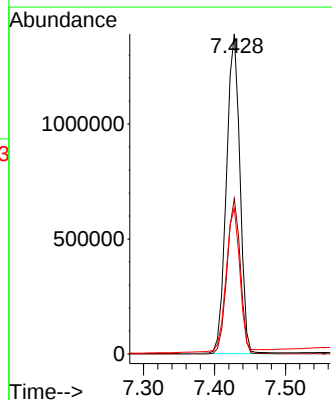
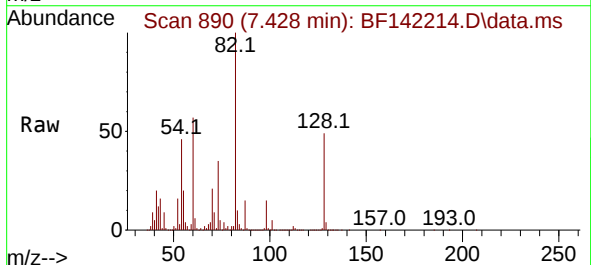
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATER

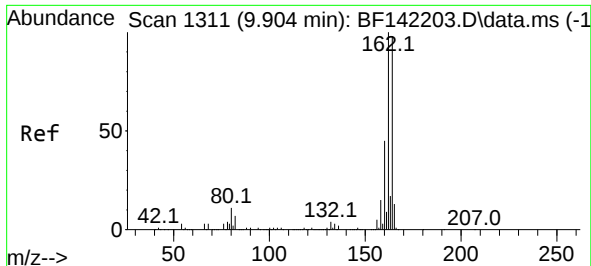
Tgt Ion:136 Resp: 1084325
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.9 4.7 7.1#
68 6.1 3.7 5.5#



#23
Nitrobenzene-d5
Concen: 106.205 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.000 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

Tgt Ion: 82 Resp: 1833703
Ion Ratio Lower Upper
82 100
128 48.5 40.2 60.2
54 45.5 35.5 53.3

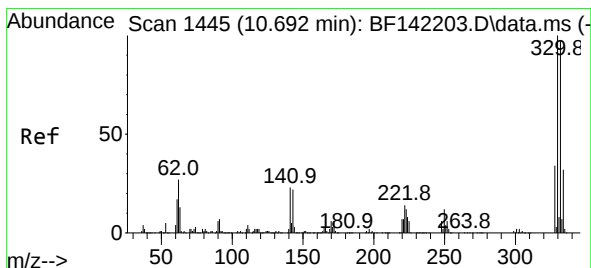
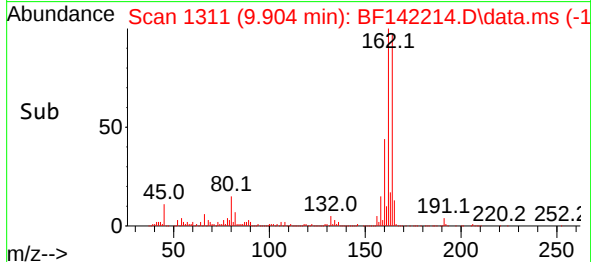
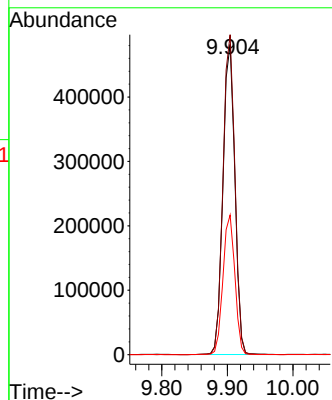
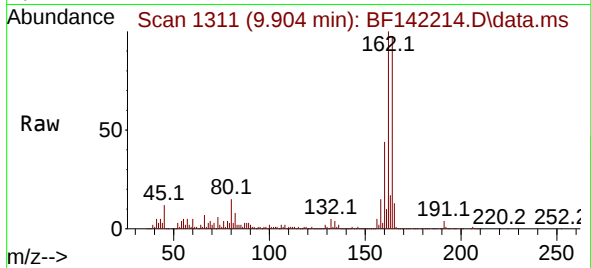




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.000 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

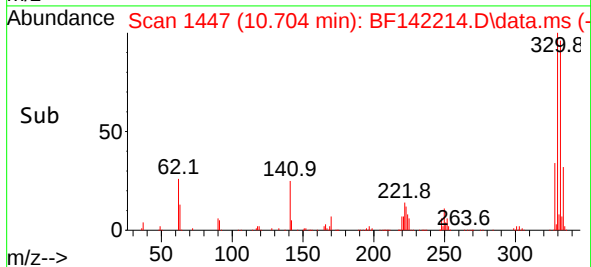
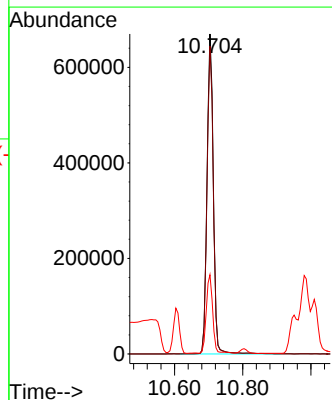
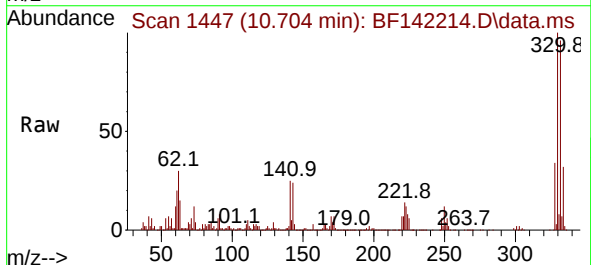
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATER

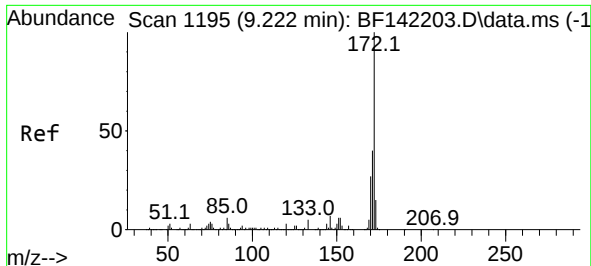
Tgt Ion:164 Resp: 603030
Ion Ratio Lower Upper
164 100
162 103.1 81.9 122.9
160 45.0 36.8 55.2



#42
2,4,6-Tribromophenol
Concen: 104.959 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.012 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

Tgt Ion:330 Resp: 865384
Ion Ratio Lower Upper
330 100
332 95.2 77.1 115.7
141 24.8 18.9 28.3

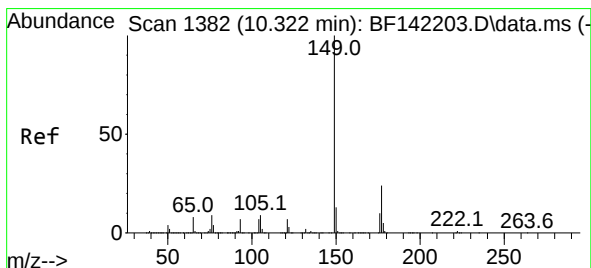
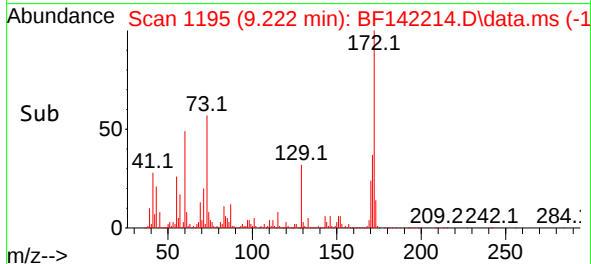
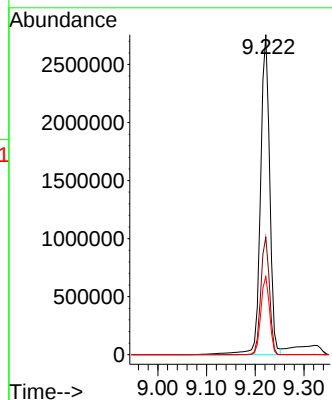
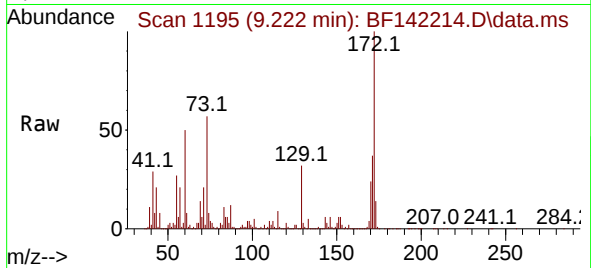




#45
2-Fluorobiphenyl
Concen: 97.822 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.000 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

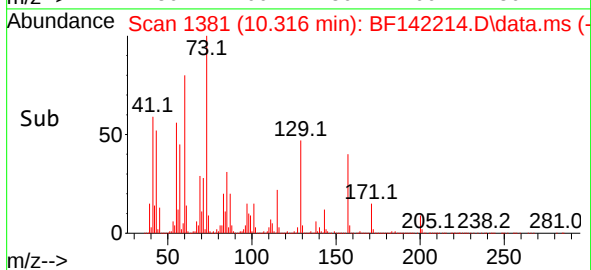
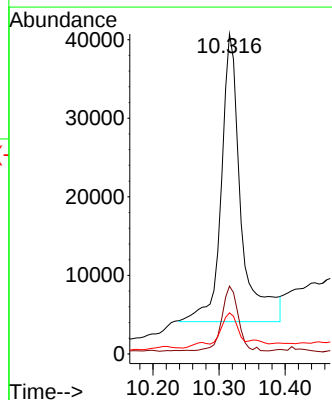
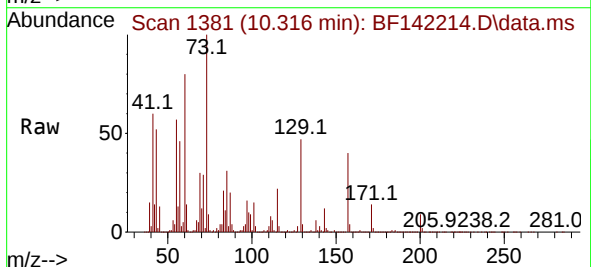
Instrument :
BNA_F
ClientSampleId :
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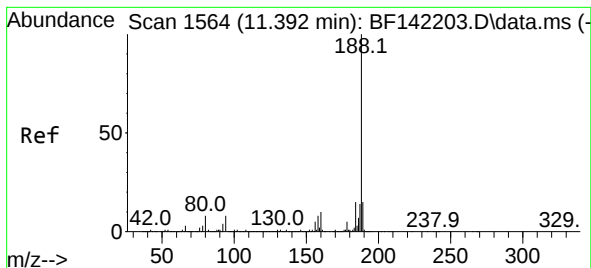
Tgt Ion:172 Resp: 3619144
Ion Ratio Lower Upper
172 100
171 36.7 32.1 48.1
170 24.4 21.4 32.0



#60
Diethylphthalate
Concen: 2.099 ng m
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

Tgt Ion:149 Resp: 75792
Ion Ratio Lower Upper
149 100
177 21.2 19.6 29.4
150 12.9 10.6 15.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF142214.D

Acq: 22 Apr 2025 16:21

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATER

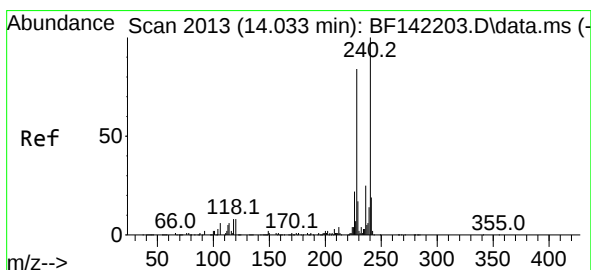
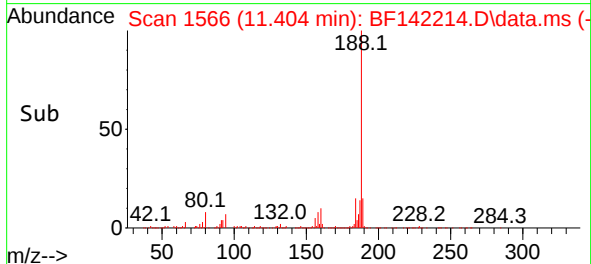
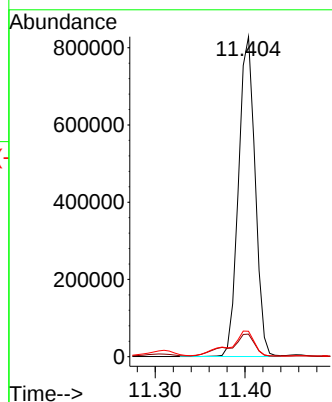
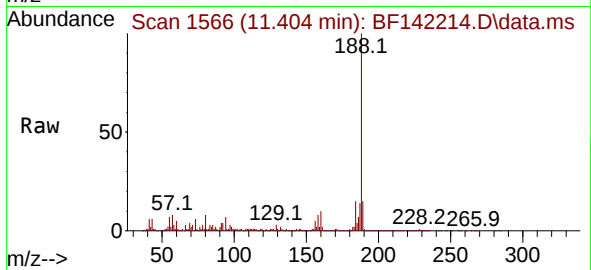
Tgt Ion:188 Resp: 1064759

Ion Ratio Lower Upper

188 100

94 7.1 6.3 9.5

80 8.0 6.7 10.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.006 min

Lab File: BF142214.D

Acq: 22 Apr 2025 16:21

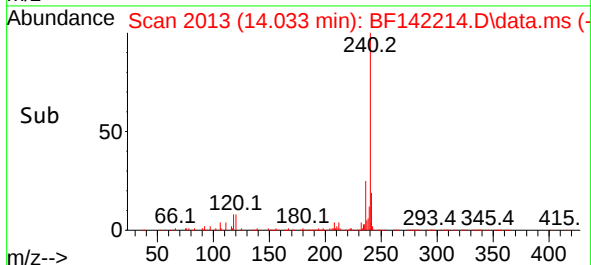
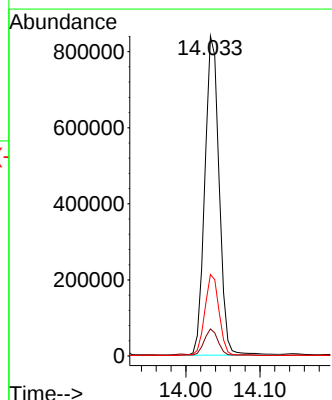
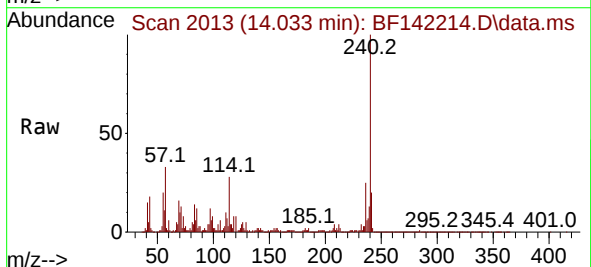
Tgt Ion:240 Resp: 1125179

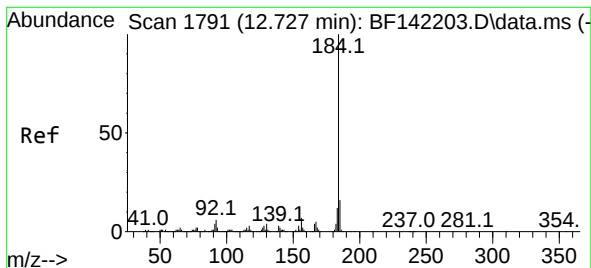
Ion Ratio Lower Upper

240 100

120 8.4 7.1 10.7

236 25.5 20.2 30.2





#77

Benzidine

Concen: 638.429 ng

RT: 12.757 min Scan# 11

Delta R.T. 0.029 min

Lab File: BF142214.D

Acq: 22 Apr 2025 16:21

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BNA_F

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EFF-WASTE-WATER

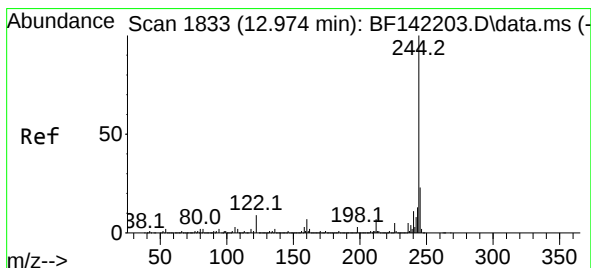
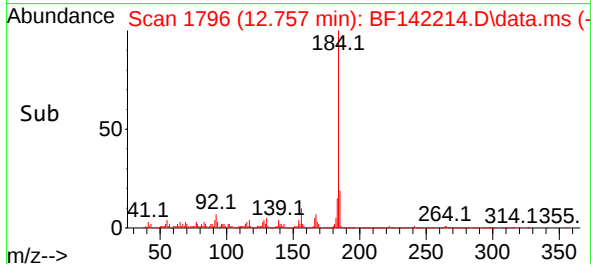
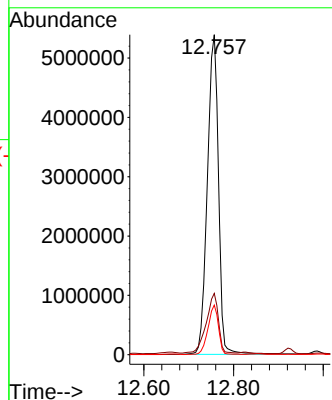
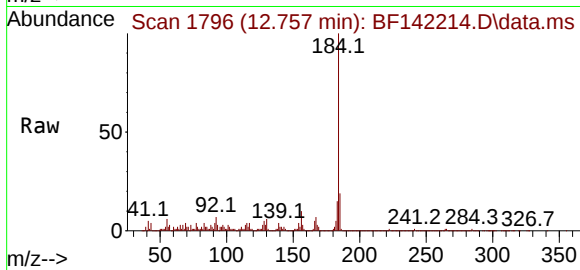
Tgt Ion:184 Resp: 9270030

Ion Ratio Lower Upper

184 100

185 19.1 13.0 19.6

183 15.5 9.6 14.4#



#79

Terphenyl-d14

Concen: 74.615 ng

RT: 12.986 min Scan# 1835

Delta R.T. 0.012 min

Lab File: BF142214.D

Acq: 22 Apr 2025 16:21

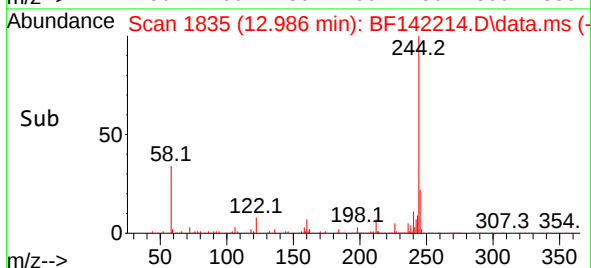
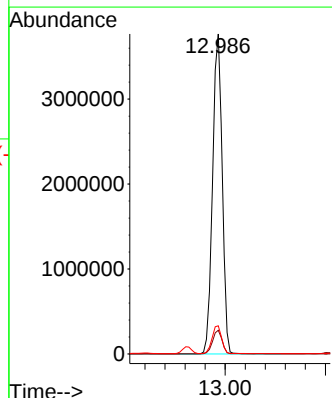
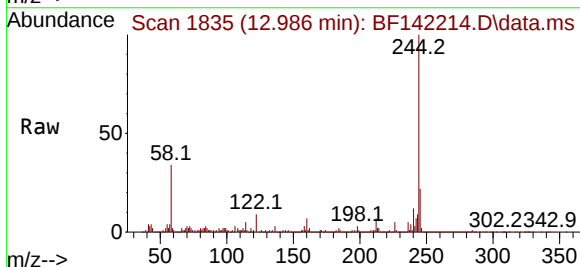
Tgt Ion:244 Resp: 5011332

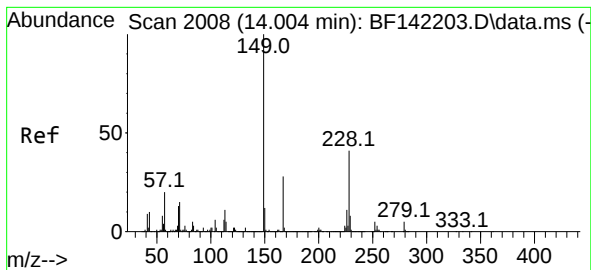
Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 8.8 7.3 10.9

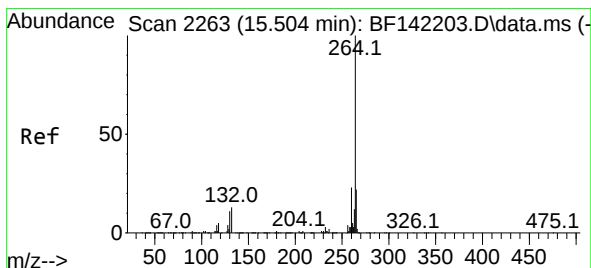
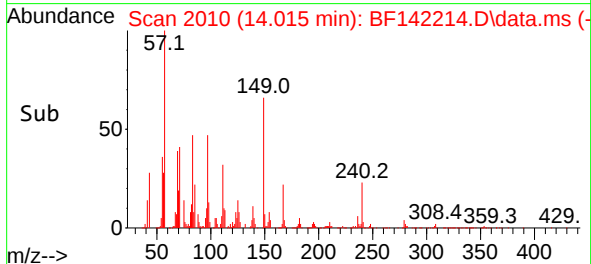
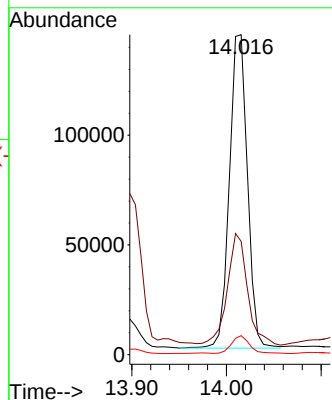
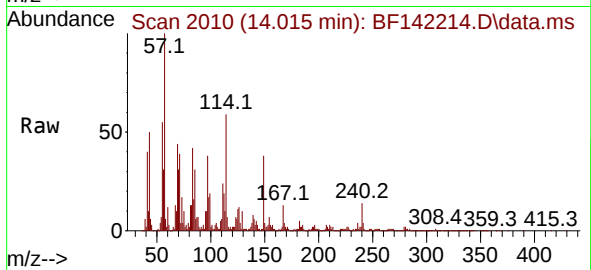




#84
Bis(2-ethylhexyl)phthalate
Concen: 6.546 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.012 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATER

Tgt Ion:149 Resp: 189431
Ion Ratio Lower Upper
149 100
167 35.4 22.2 33.4#
279 5.9 4.2 6.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

Tgt Ion:264 Resp: 823852
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 22.3 16.9 25.3

