

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111622\
 Data File : BF131267.D
 Acq On : 16 Nov 2022 16:13
 Operator : CG\JU
 Sample : N5609-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WASTE-WATER

Quant Time: Nov 16 22:16:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 16 06:35:36 2022
 Response via : Initial Calibration

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

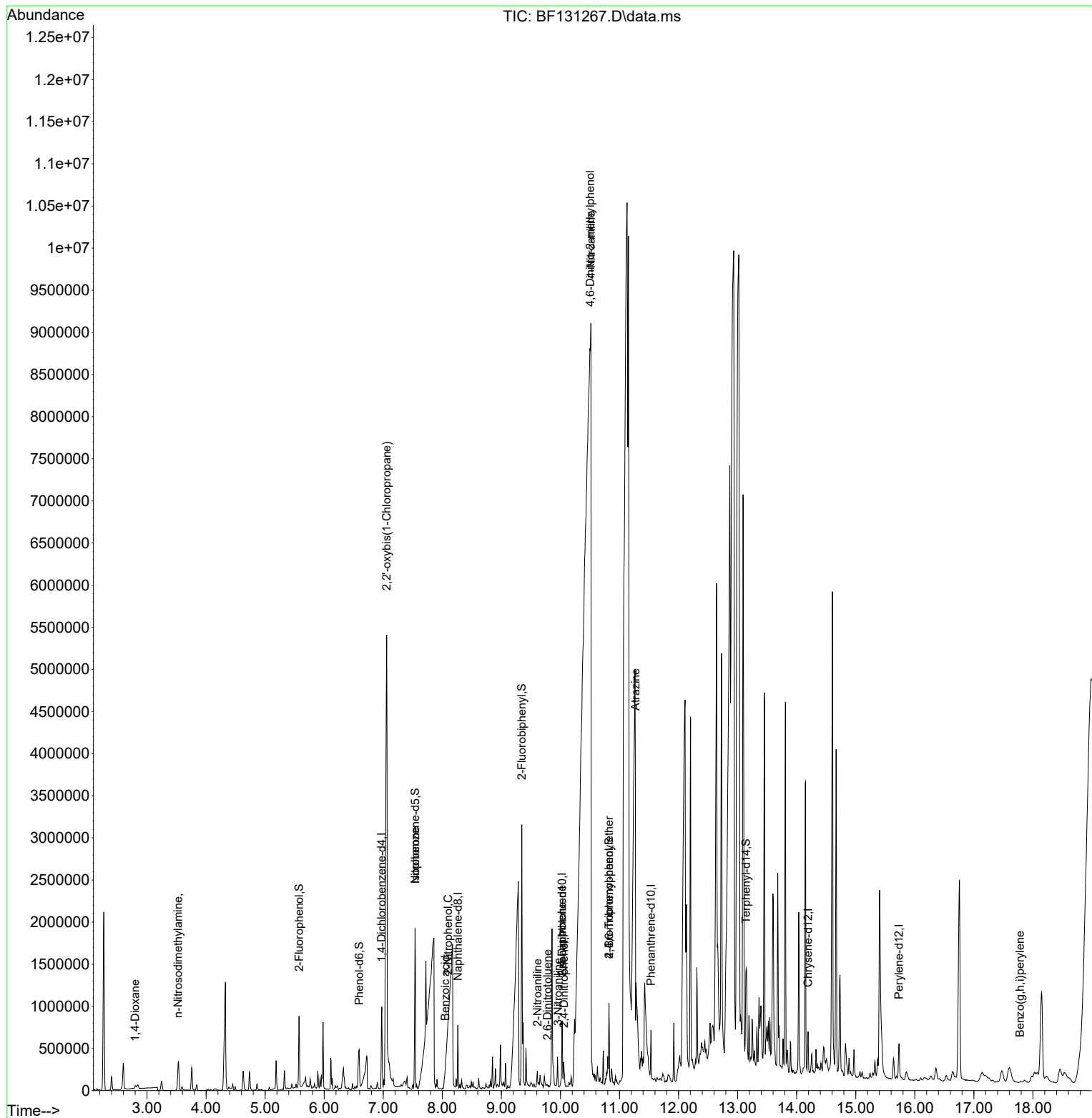
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.975	152	79846	20.000	ng	0.00
21) Naphthalene-d8	8.263	136	267733	20.000	ng	0.00
39) Acenaphthene-d10	10.027	164	131468	20.000	ng	0.00
64) Phenanthrene-d10	11.533	188	177149	20.000	ng	0.00
76) Chrysene-d12	14.192	240	161033	20.000	ng	0.00
86) Perylene-d12	15.733	264	174621	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	182195	40.406	ng	0.00
7) Phenol-d6	6.592	99	189780	33.230	ng	0.00
23) Nitrobenzene-d5	7.539	82	529248	110.956	ng	0.00
42) 2,4,6-Tribromophenol	10.822	330	87785	69.904	ng	0.00
45) 2-Fluorobiphenyl	9.345	172	826069	91.952	ng	0.00
79) Terphenyl-d14	13.145	244	663683	70.776	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.799	88	6782	3.283	ng	# 1
4) n-Nitrosodimethylamine	3.528	42	16434	4.829	ng	# 1
16) 2,2'-oxybis(1-Chloropr...	7.057	45	48456	5.143	ng	78
25) Isophorone	7.539	82	527988	55.408	ng	# 67
26) 2-Nitrophenol	8.098	139	729	4.750	ng	# 6
32) Benzoic acid	8.051	122	9903	9.229	ng	87
48) 2-Nitroaniline	9.610	65	2472	4.919	ng	# 35
51) 2,6-Dinitrotoluene	9.780	165	1964	3.968	ng	# 21
53) 3-Nitroaniline	9.957	138	234	2.838	ng	# 1
54) 2,4-Dinitrophenol	10.063	184	138	5.771	ng	# 1
57) 2,4-Dinitrotoluene	10.027	165	18523	11.604	ng	# 17
62) 4-Nitroaniline	10.516	138	289845	142.694	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.504	198	155	8.179	ng	# 1
67) 4-Bromophenyl-phenylether	10.822	248	6404	3.079	ng	# 1
69) Atrazine	11.269	200	11714	6.350	ng	# 48
92) Benzo(g,h,i)perylene	17.780	276	283	3.494	ng	# 1

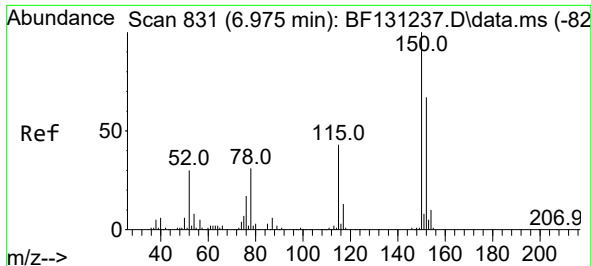
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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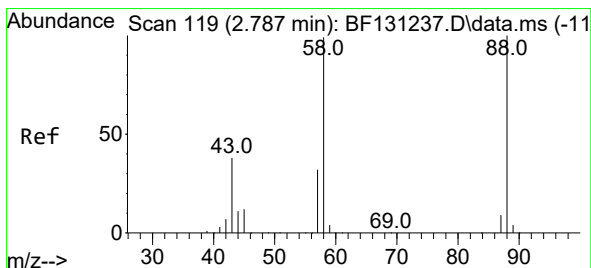
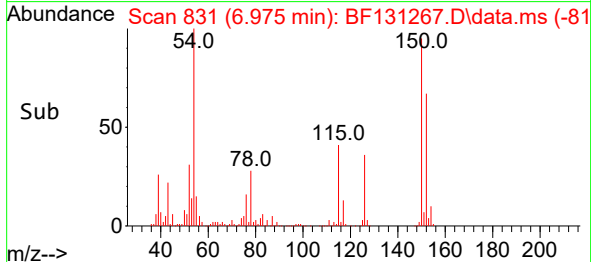
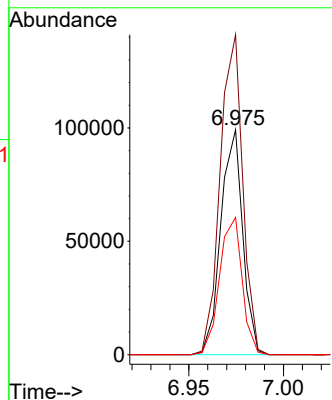
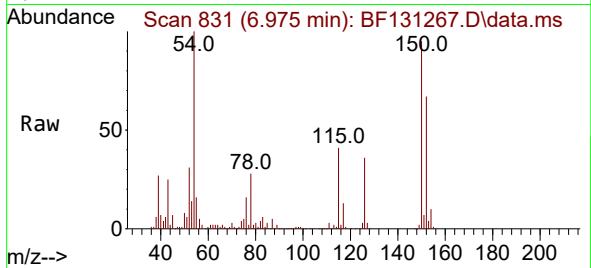




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.975 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BF131267.D
 Acq: 16 Nov 2022 16:13

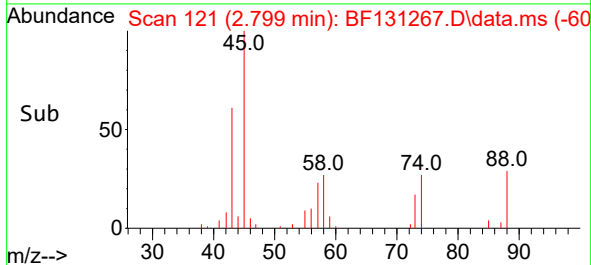
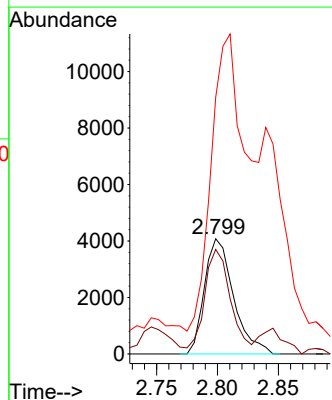
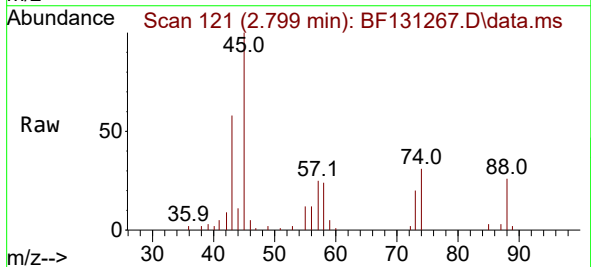
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 ClientSampleId :
 EFF-WASTE-WATER

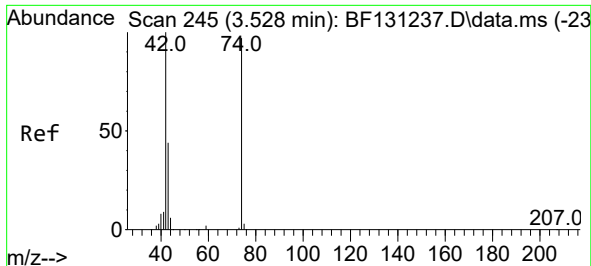
Tgt Ion:152 Resp: 79846
 Ion Ratio Lower Upper
 152 100
 150 142.2 120.2 180.4
 115 61.0 51.8 77.8



#2
 1,4-Dioxane
 Concen: 3.283 ng
 RT: 2.799 min Scan# 121
 Delta R.T. 0.012 min
 Lab File: BF131267.D
 Acq: 16 Nov 2022 16:13

Tgt Ion: 88 Resp: 6782
 Ion Ratio Lower Upper
 88 100
 58 81.6 77.1 115.7
 43 319.7 31.3 46.9#

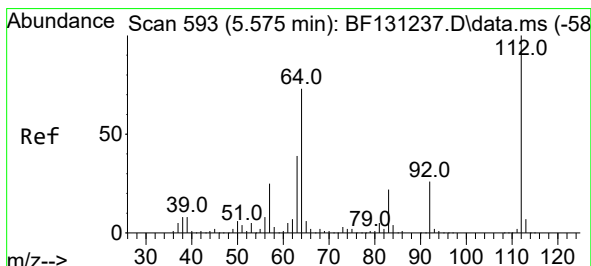
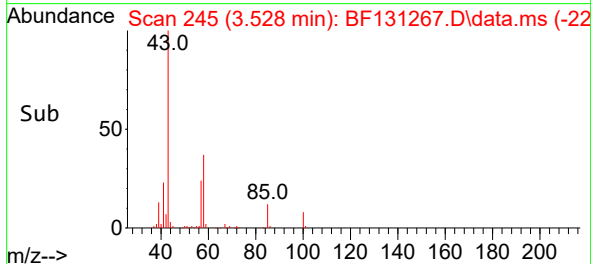
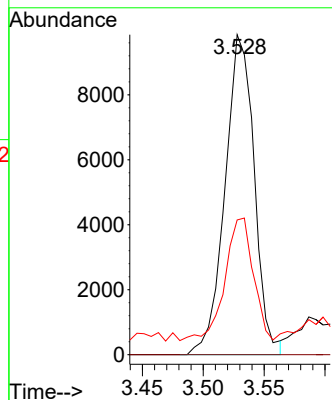
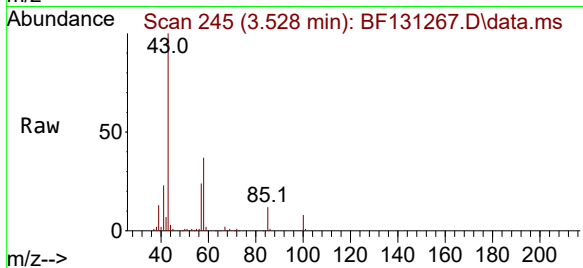




#4
 n-Nitrosodimethylamine
 Concen: 4.829 ng
 RT: 3.528 min Scan# 245
 Delta R.T. -0.000 min
 Lab File: BF131267.D
 Acq: 16 Nov 2022 16:13

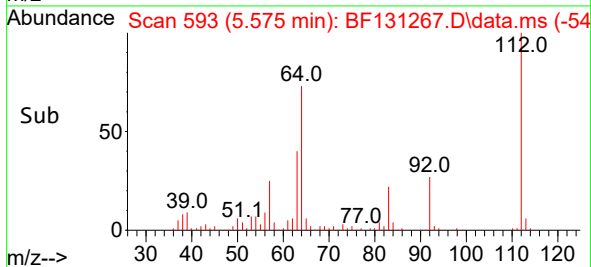
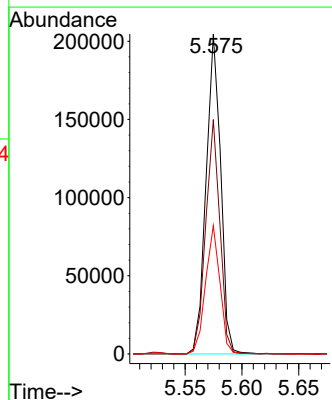
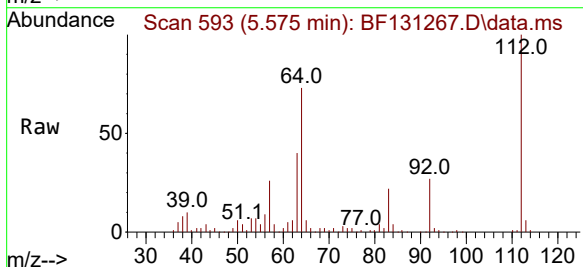
Instrument :
 BNA_F
 ClientSampleId :
 EFF-WASTE-WATER

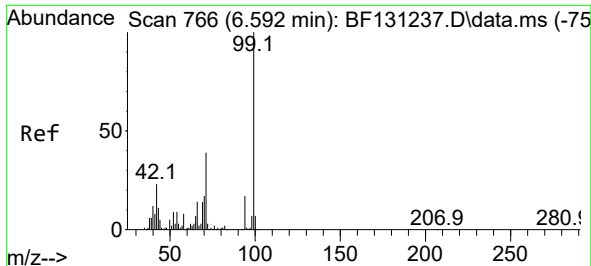
Tgt Ion: 42 Resp: 16434
 Ion Ratio Lower Upper
 42 100
 74 0.0 77.8 116.6#
 44 42.1 5.9 8.9#



#5
 2-Fluorophenol
 Concen: 40.406 ng
 RT: 5.575 min Scan# 593
 Delta R.T. -0.000 min
 Lab File: BF131267.D
 Acq: 16 Nov 2022 16:13

Tgt Ion: 112 Resp: 182195
 Ion Ratio Lower Upper
 112 100
 64 73.3 58.4 87.6
 63 40.1 31.6 47.4

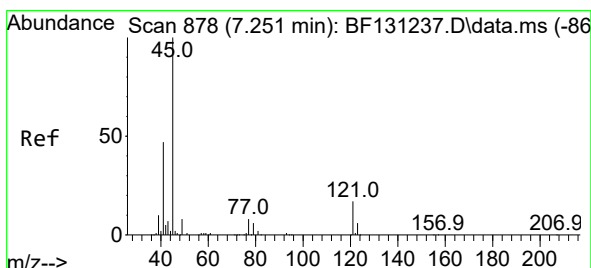
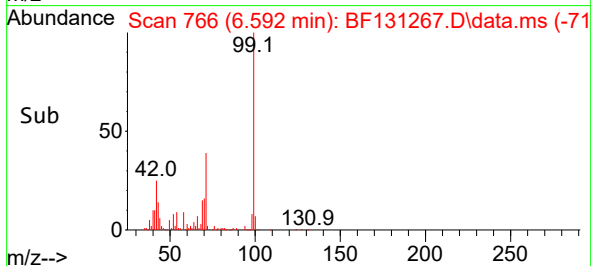
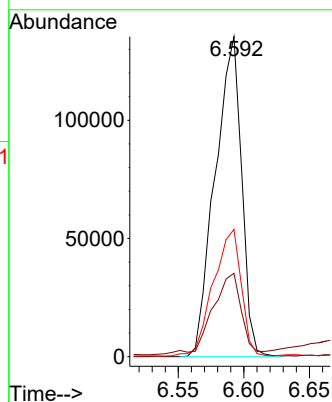
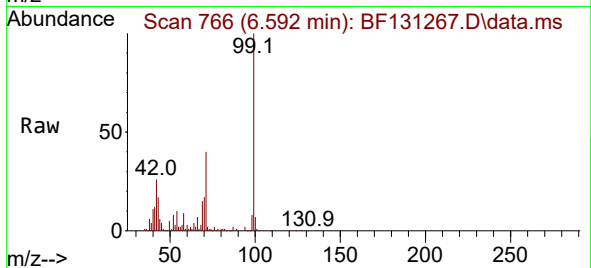




#7
Phenol-d6
Concen: 33.230 ng
RT: 6.592 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

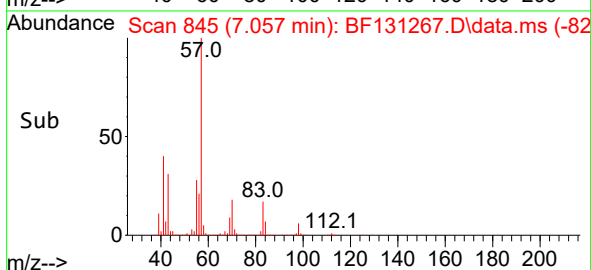
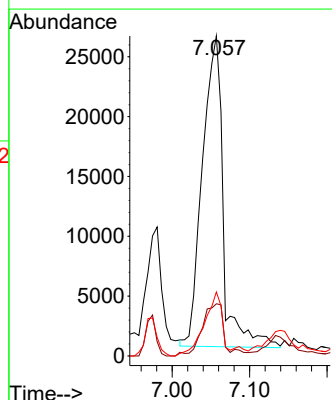
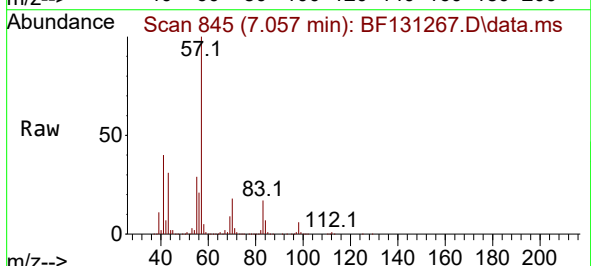
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATER

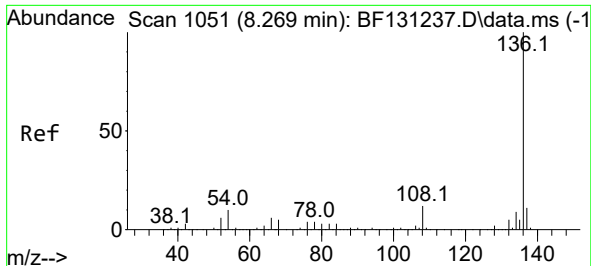
Tgt Ion: 99 Resp: 189780
Ion Ratio Lower Upper
99 100
42 26.1 18.6 28.0
71 39.8 31.1 46.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.143 ng
RT: 7.057 min Scan# 845
Delta R.T. -0.194 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

Tgt Ion: 45 Resp: 48456
Ion Ratio Lower Upper
45 100
77 16.3 0.0 31.0
79 20.0 0.0 28.5

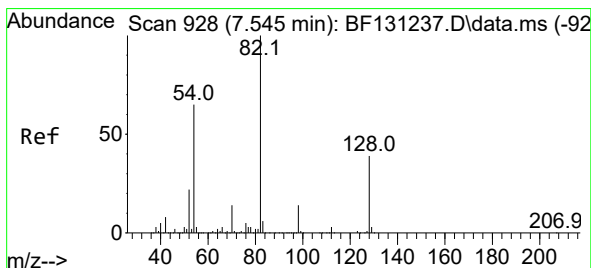
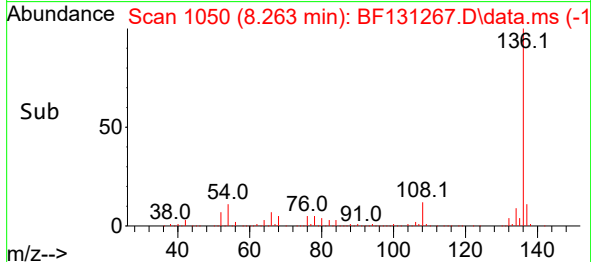
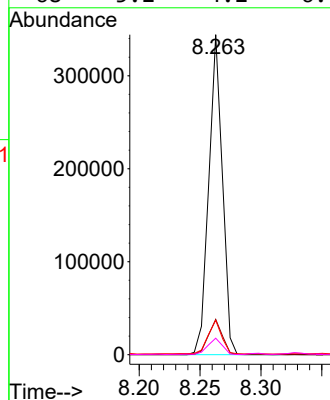
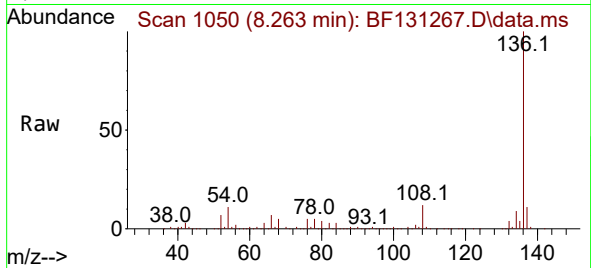




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.263 min Scan# 1050
Delta R.T. -0.006 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

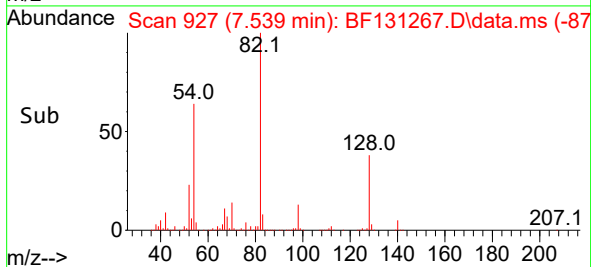
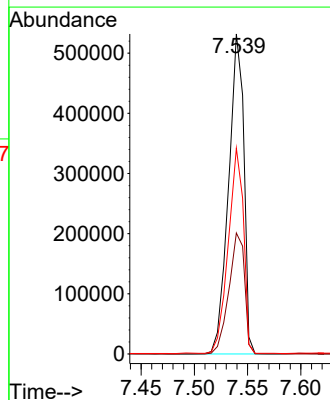
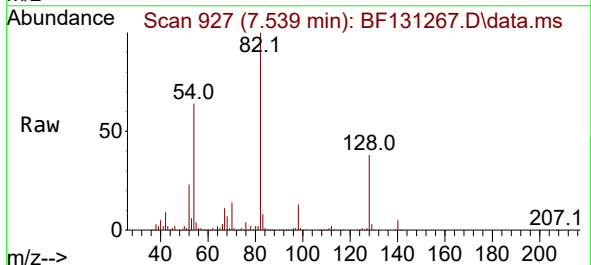
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATER

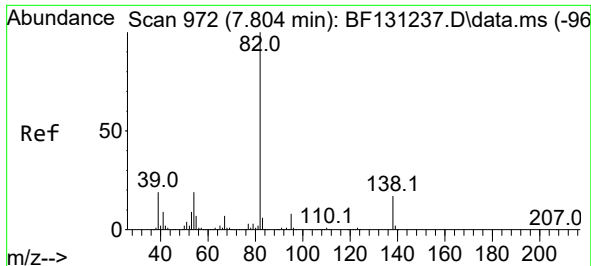
Tgt Ion:136	Resp:	267733
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.5 12.7
54	10.8	7.8 11.8
68	5.2	4.2 6.4



#23
Nitrobenzene-d5
Concen: 110.956 ng
RT: 7.539 min Scan# 927
Delta R.T. -0.006 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

Tgt Ion: 82	Resp:	529248
Ion	Ratio	Lower Upper
82	100	
128	37.8	31.1 46.7
54	64.3	51.8 77.6

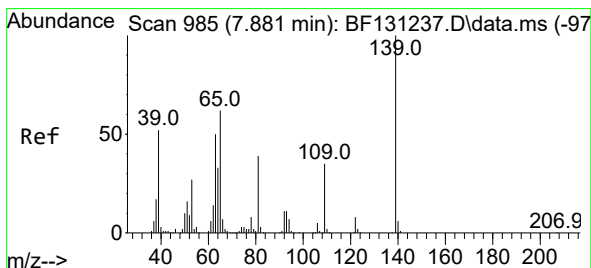
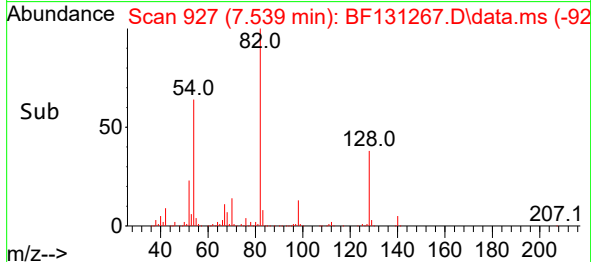
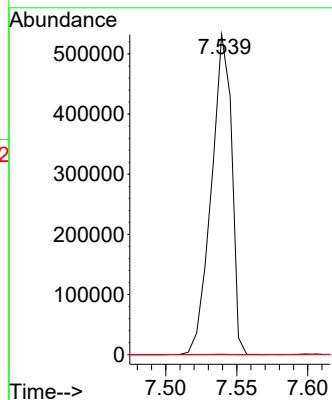
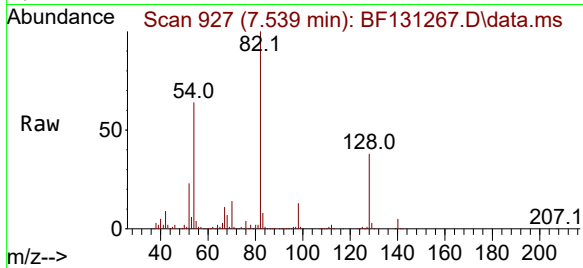




#25
Isophorone
Concen: 55.408 ng
RT: 7.539 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

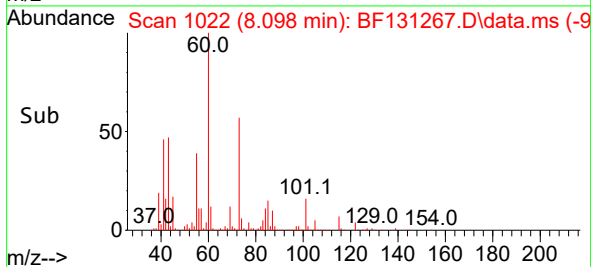
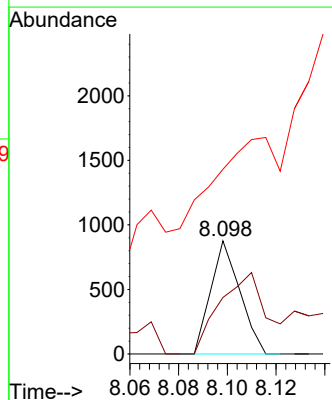
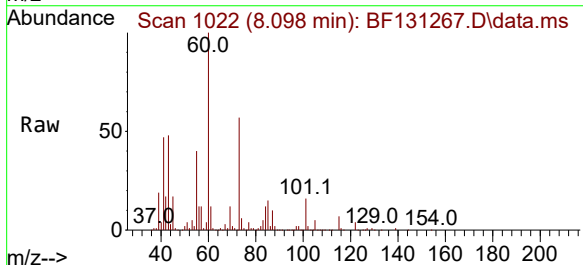
Instrument :
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EFF-WASTE-WATER

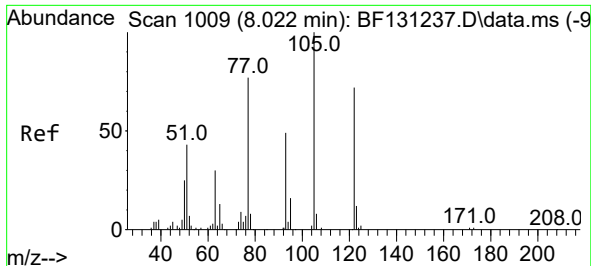
Tgt Ion: 82 Resp: 527988
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.2#
138 0.0 13.4 20.0#



#26
2-Nitrophenol
Concen: 4.750 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.217 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

Tgt Ion: 139 Resp: 729
Ion Ratio Lower Upper
139 100
109 50.0 28.0 42.0#
65 163.4 49.3 73.9#

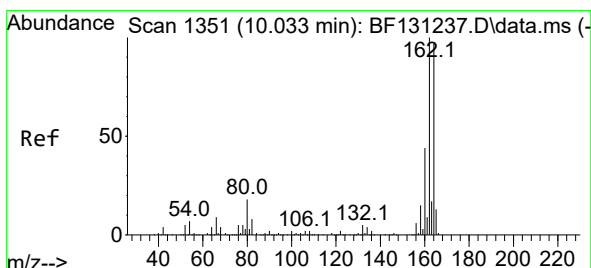
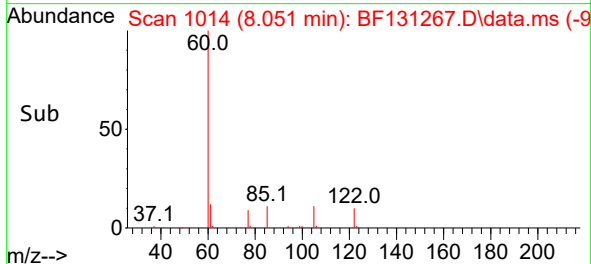
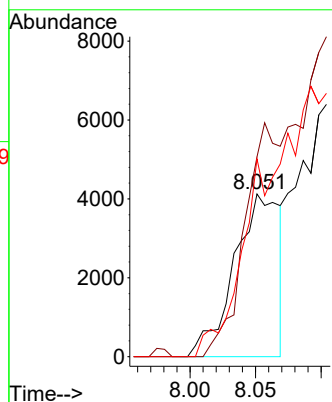
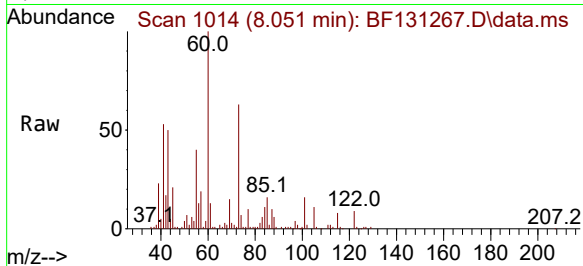




#32
Benzoic acid
Concen: 9.229 ng
RT: 8.051 min Scan# 1014
Delta R.T. 0.029 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

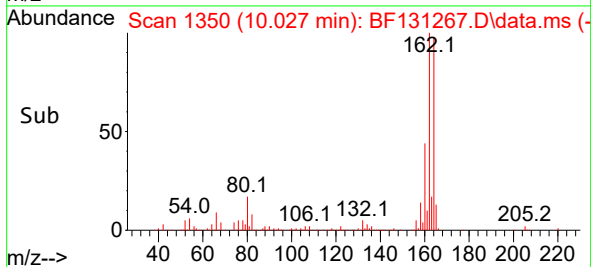
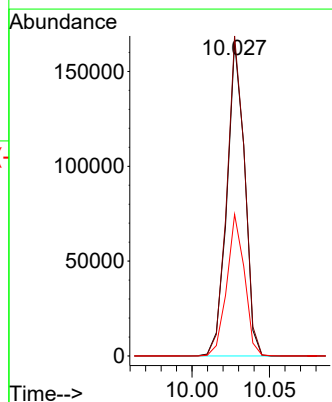
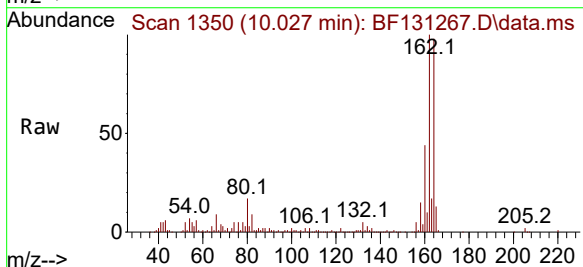
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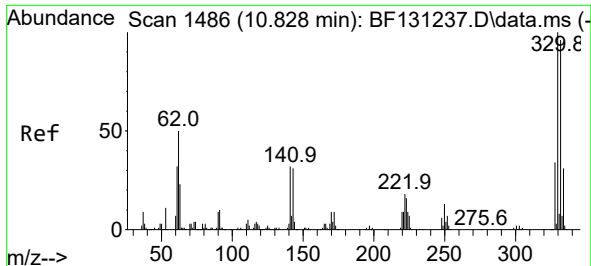
Tgt Ion:122 Resp: 9903
Ion Ratio Lower Upper
122 100
105 122.8 116.9 156.9
77 121.6 86.9 126.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.027 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

Tgt Ion:164 Resp: 131468
Ion Ratio Lower Upper
164 100
162 101.8 82.1 123.1
160 45.1 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 69.904 ng

RT: 10.822 min Scan# 1486

Delta R.T. -0.006 min

Lab File: BF131267.D

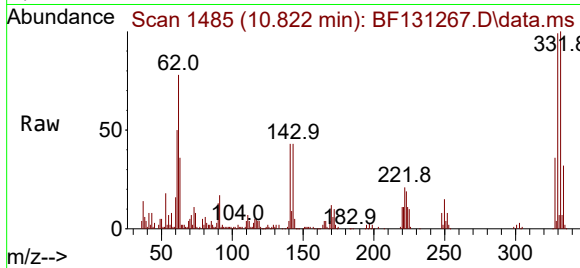
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Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATER



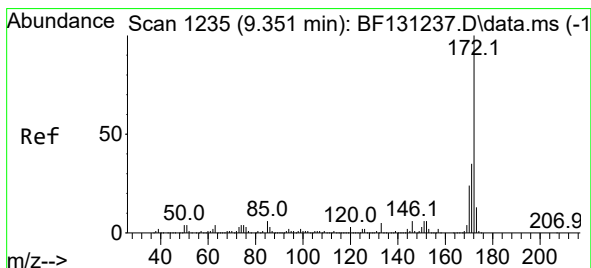
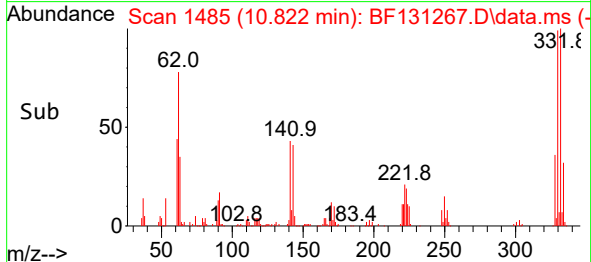
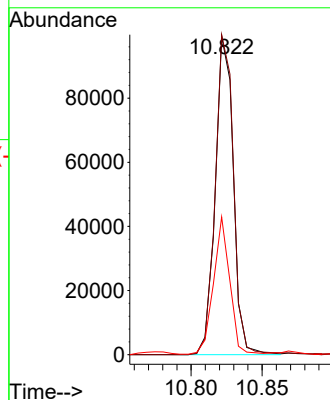
Tgt Ion:330 Resp: 87785

Ion Ratio Lower Upper

330 100

332 101.7 76.8 115.2

141 38.7 29.6 44.4



#45

2-Fluorobiphenyl

Concen: 91.952 ng

RT: 9.345 min Scan# 1234

Delta R.T. -0.006 min

Lab File: BF131267.D

Acq: 16 Nov 2022 16:13

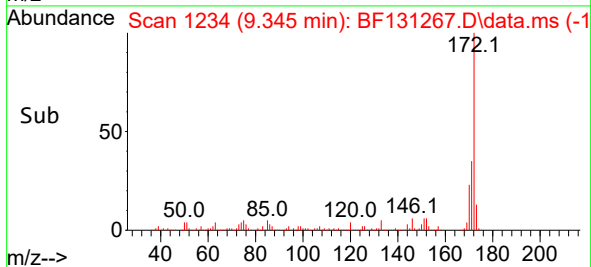
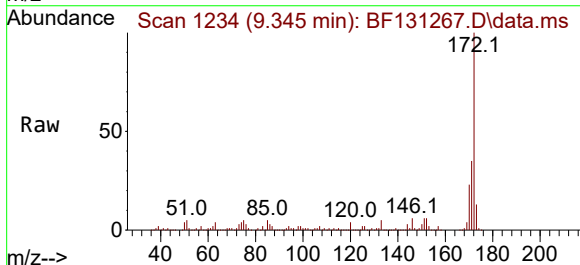
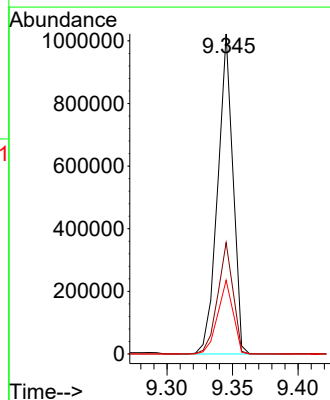
Tgt Ion:172 Resp: 826069

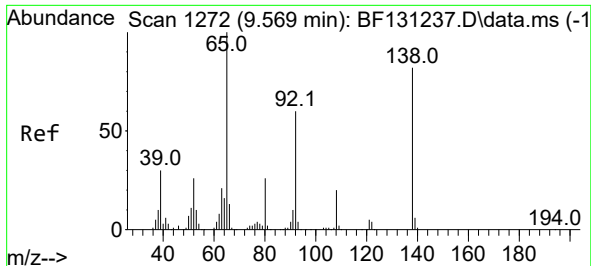
Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.2

170 23.1 18.8 28.2

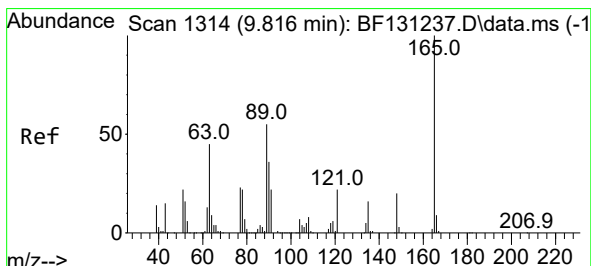
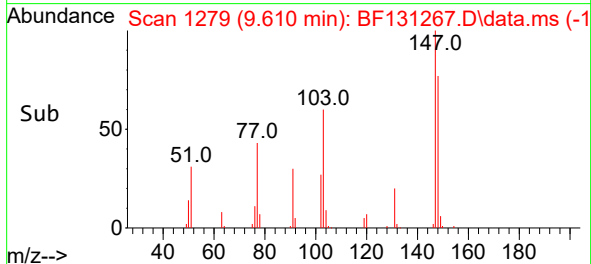
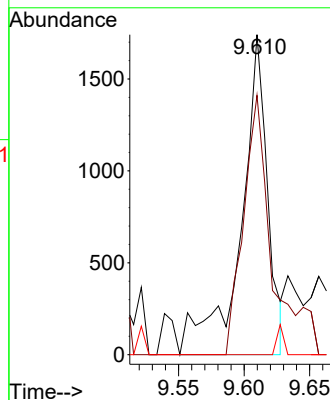
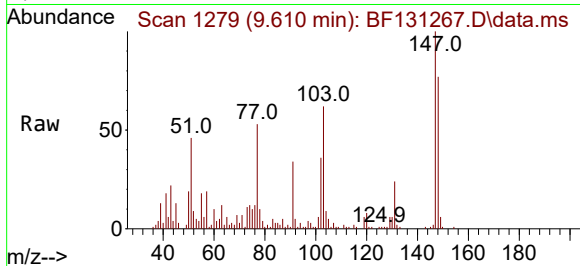




#48
2-Nitroaniline
Concen: 4.919 ng
RT: 9.610 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

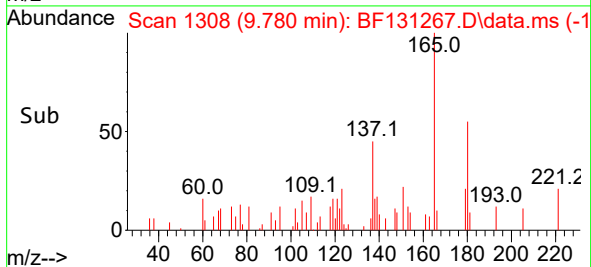
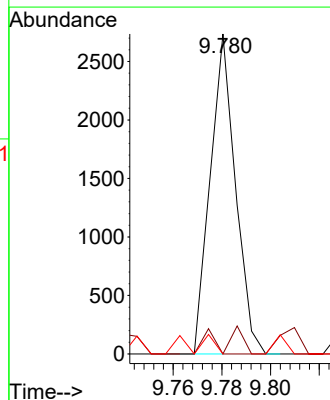
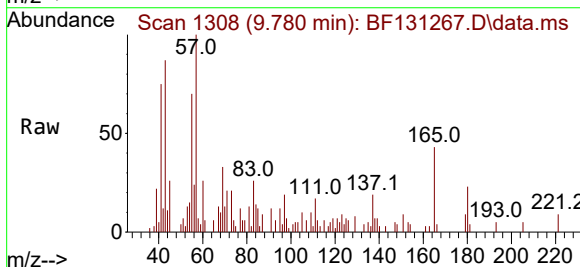
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATER

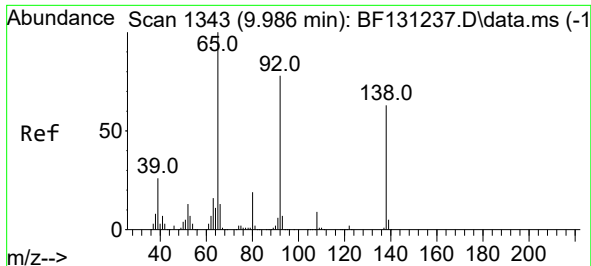
Tgt Ion: 65 Resp: 2472
Ion Ratio Lower Upper
65 100
92 81.0 48.2 72.2#
138 0.0 65.8 98.8#



#51
2,6-Dinitrotoluene
Concen: 3.968 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.036 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

Tgt Ion: 165 Resp: 1964
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.6#
89 0.0 44.5 66.7#

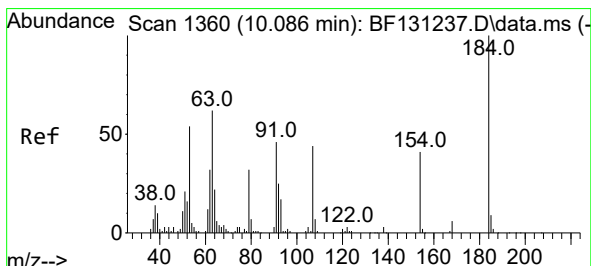
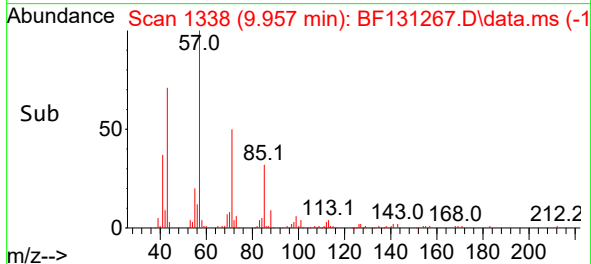
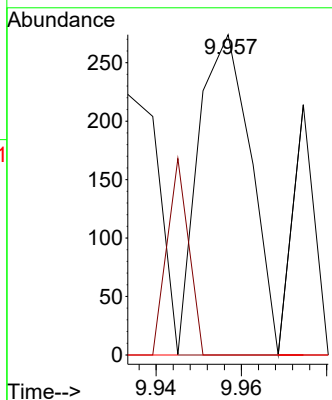
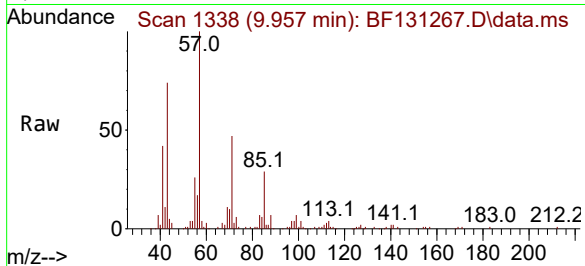




#53
3-Nitroaniline
Concen: 2.838 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.029 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

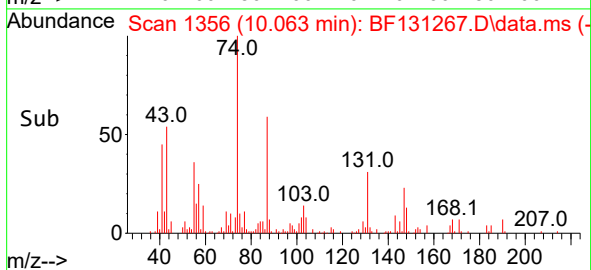
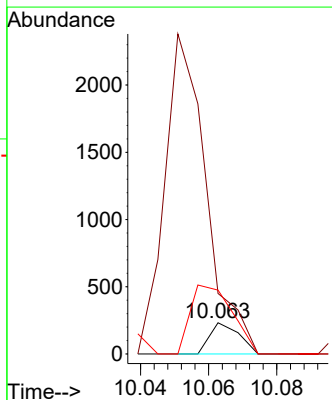
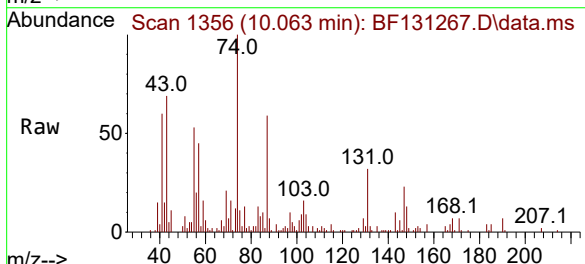
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATER

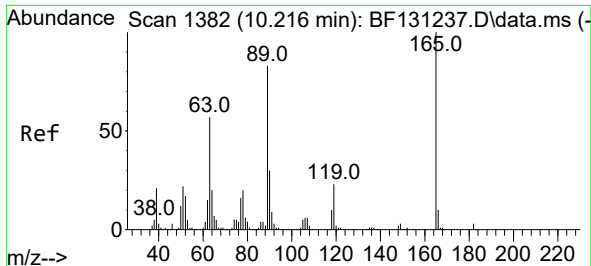
Tgt Ion:138 Resp: 234
Ion Ratio Lower Upper
138 100
108 0.0 11.4 17.2#
92 0.0 98.6 148.0#



#54
2,4-Dinitrophenol
Concen: 5.771 ng
RT: 10.063 min Scan# 1356
Delta R.T. -0.023 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

Tgt Ion:184 Resp: 138
Ion Ratio Lower Upper
184 100
63 194.0 52.5 78.7#
154 204.7 54.0 81.0#

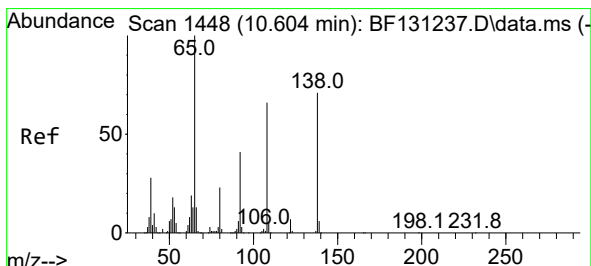
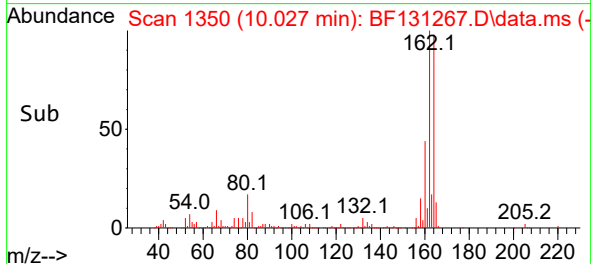
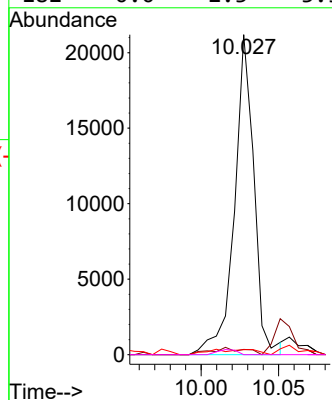
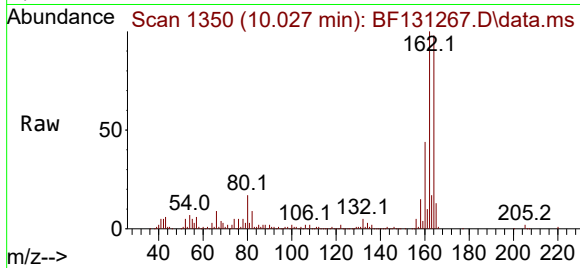




#57
2,4-Dinitrotoluene
Concen: 11.604 ng
RT: 10.027 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

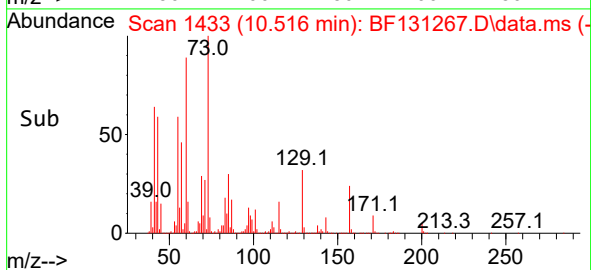
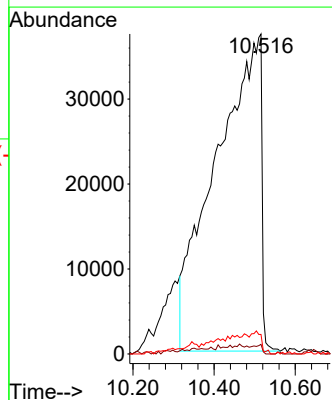
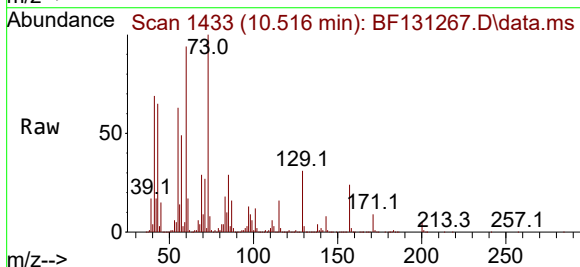
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATER

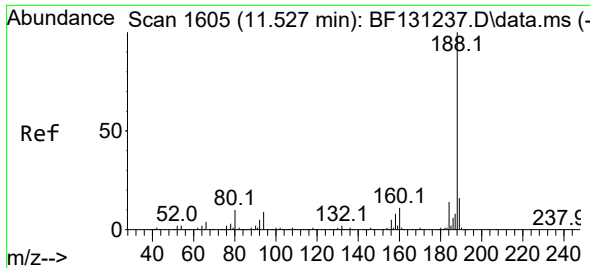
Tgt Ion:165 Resp: 18523
Ion Ratio Lower Upper
165 100
63 1.7 46.0 69.0#
89 1.6 66.2 99.4#
182 0.0 2.3 3.5#



#62
4-Nitroaniline
Concen: 142.694 ng
RT: 10.516 min Scan# 1433
Delta R.T. -0.088 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

Tgt Ion:138 Resp: 289845
Ion Ratio Lower Upper
138 100
92 3.0 37.6 77.6#
108 6.1 73.2 113.2#

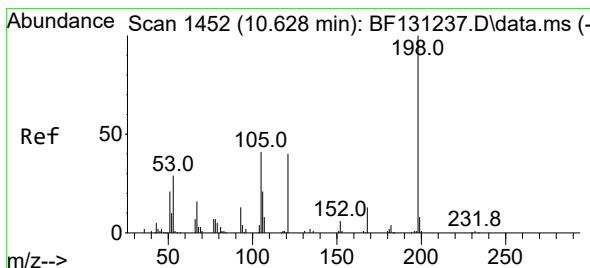
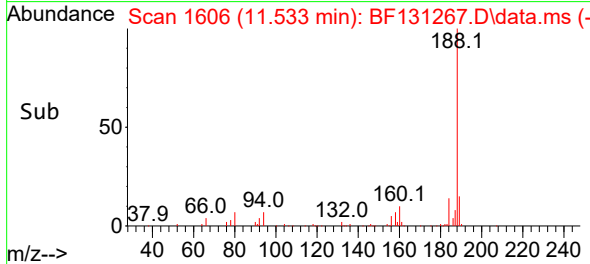
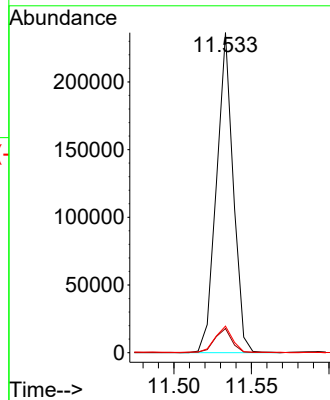
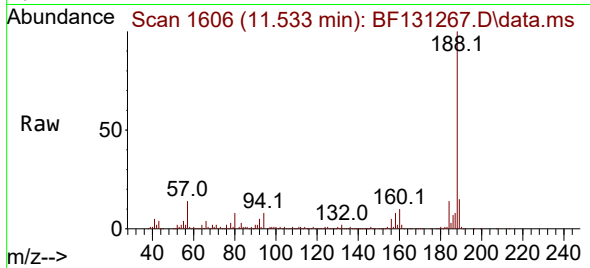




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.533 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

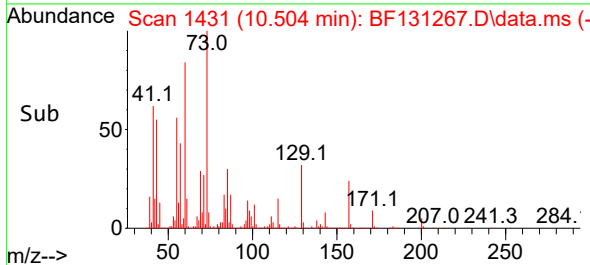
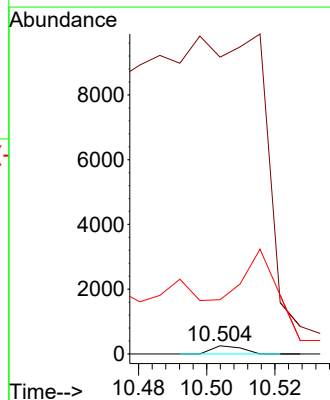
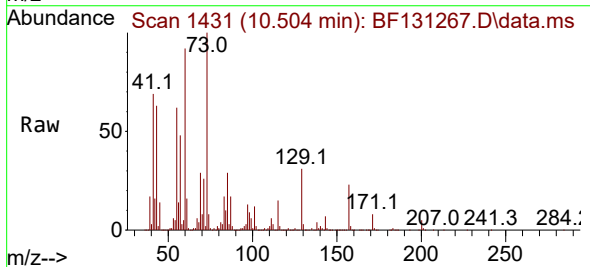
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATER

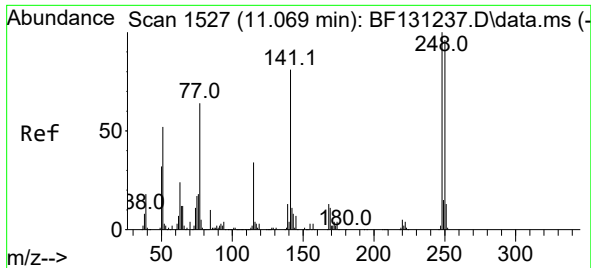
Tgt Ion:188 Resp: 177149
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 8.3 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.179 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.124 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

Tgt Ion:198 Resp: 155
Ion Ratio Lower Upper
198 100
51 3636.1 29.4 69.4#
105 663.9 22.2 62.2#





#67

4-Bromophenyl-phenylether

Concen: 3.079 ng

RT: 10.822 min Scan# 1485

Delta R.T. -0.247 min

Lab File: BF131267.D

Acq: 16 Nov 2022 16:13

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATER

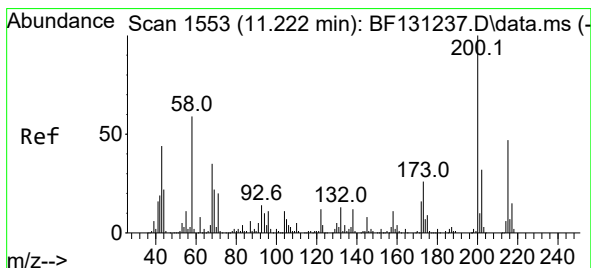
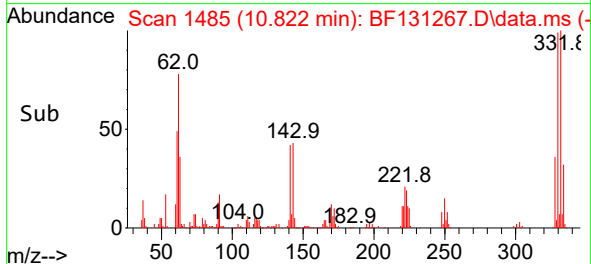
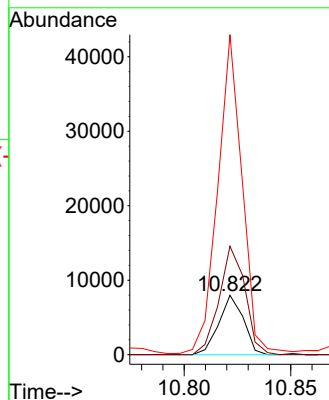
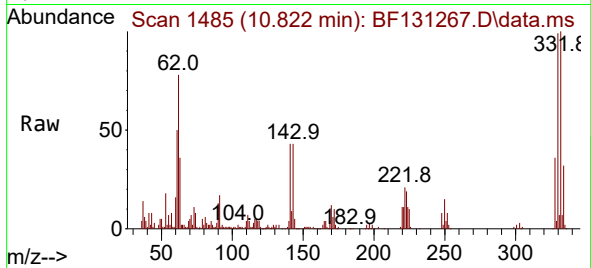
Tgt Ion:248 Resp: 6404

Ion Ratio Lower Upper

248 100

250 182.8 76.6 114.8#

141 539.3 64.7 97.1#



#69

Atrazine

Concen: 6.350 ng

RT: 11.269 min Scan# 1561

Delta R.T. 0.047 min

Lab File: BF131267.D

Acq: 16 Nov 2022 16:13

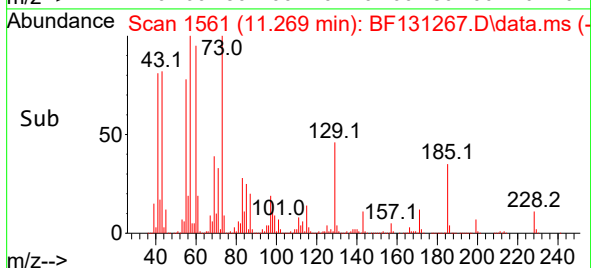
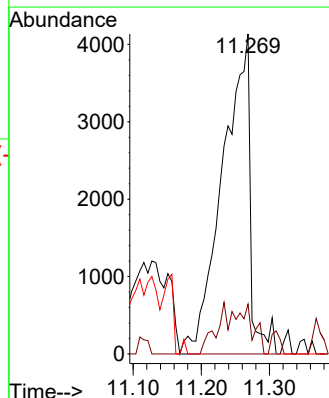
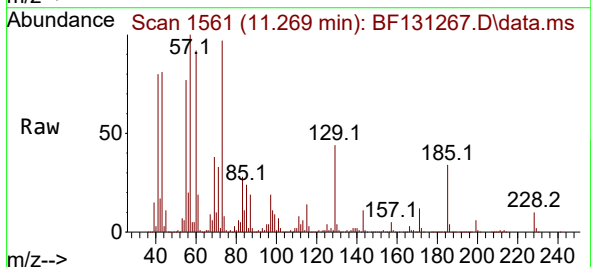
Tgt Ion:200 Resp: 11714

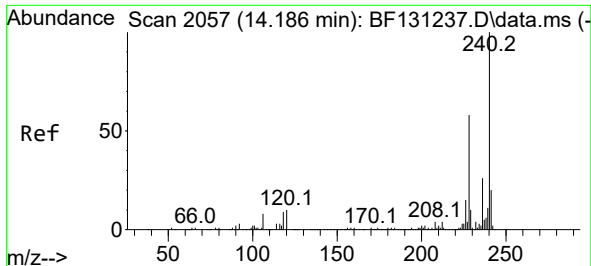
Ion Ratio Lower Upper

200 100

173 15.6 6.4 46.4

215 0.0 26.5 66.5#

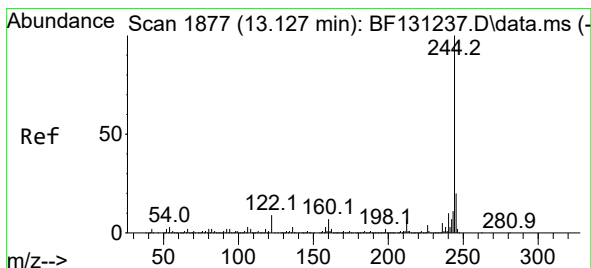
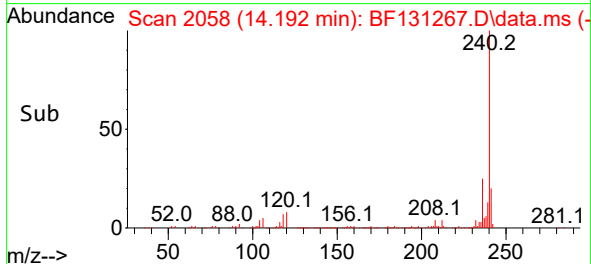
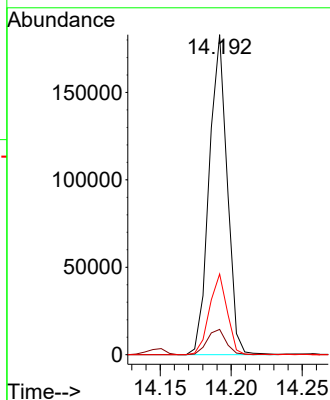
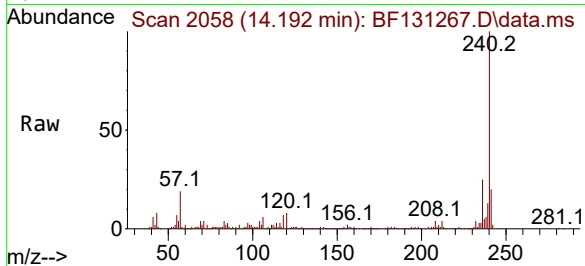




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.192 min Scan# 2058
Delta R.T. 0.006 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

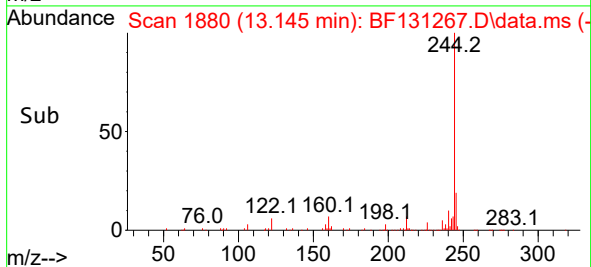
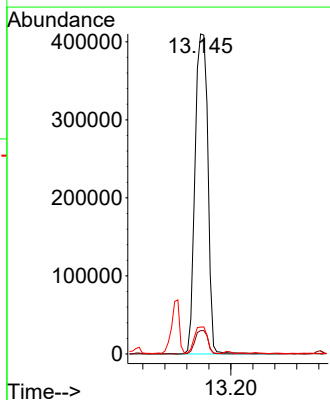
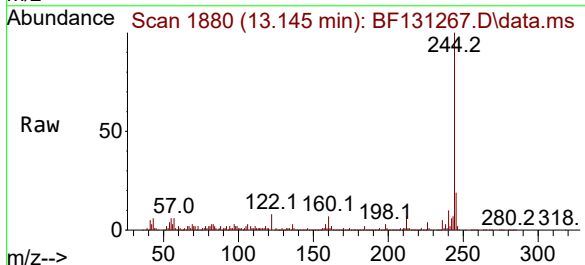
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATER

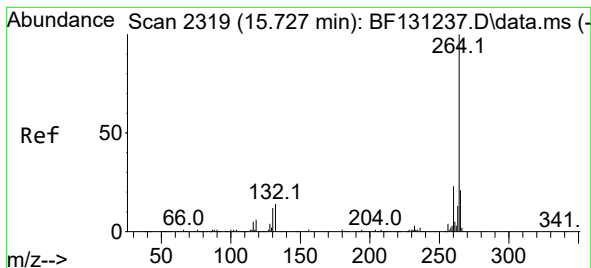
Tgt Ion:240 Resp: 161033
Ion Ratio Lower Upper
240 100
120 7.9 7.8 11.6
236 25.2 20.6 31.0



#79
Terphenyl-d14
Concen: 70.776 ng
RT: 13.145 min Scan# 1880
Delta R.T. 0.018 min
Lab File: BF131267.D
Acq: 16 Nov 2022 16:13

Tgt Ion:244 Resp: 663683
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 8.4 7.4 11.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.733 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF131267.D

Acq: 16 Nov 2022 16:13

Instrument :

BNA_F

ClientSampleId :

EFF-WASTE-WATER

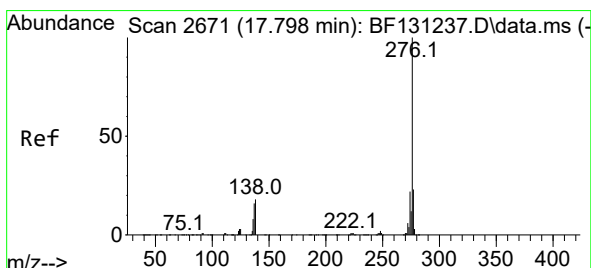
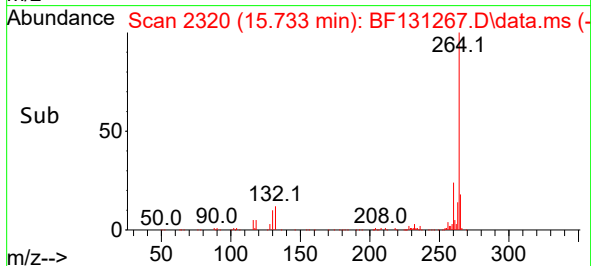
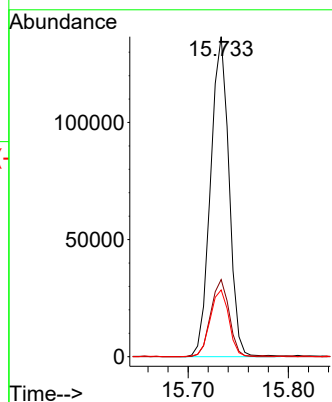
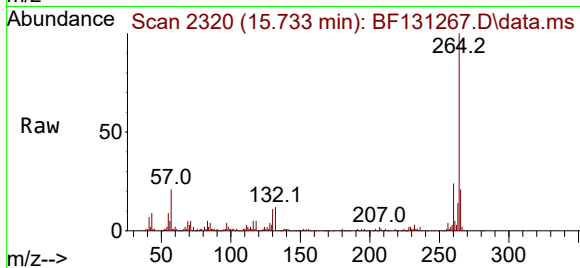
Tgt Ion:264 Resp: 174621

Ion Ratio Lower Upper

264 100

260 24.1 18.6 27.8

265 20.9 16.6 24.8



#92

Benzo(g,h,i)perylene

Concen: 3.494 ng

RT: 17.780 min Scan# 2668

Delta R.T. -0.018 min

Lab File: BF131267.D

Acq: 16 Nov 2022 16:13

Tgt Ion:276 Resp: 283

Ion Ratio Lower Upper

276 100

277 0.0 18.6 27.8#

138 129.3 14.5 21.7#

