Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042225\
Data File : BF142215.D
Acq On : 22 Apr 2025 16:50
Operator : RC/JU
Sample : Q1833-02DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATERDL

Quant Time: Apr 22 17:31:25 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	331819	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	1202456	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	548862	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	773988	20.000	ng	0.00
76) Chrysene-d12	14.027	240	952200	20.000	ng	0.00
86) Perylene-d12	15.498	264	1069333	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	126071	7.123	ng	0.01
7) Phenol-d6	6.504	99	121038	5.461	ng	0.01
23) Nitrobenzene-d5	7.422	82	220270	11.504	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	64241	8.560	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	477877	14.191	ng	0.00
79) Terphenyl-d14	12.968	244	505324	8.891	ng	0.00
Target Compounds						Qvalue
77) Benzidine	12.727	184	704309	57.318	ng	99

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

Quantitation Report (QT Reviewed)

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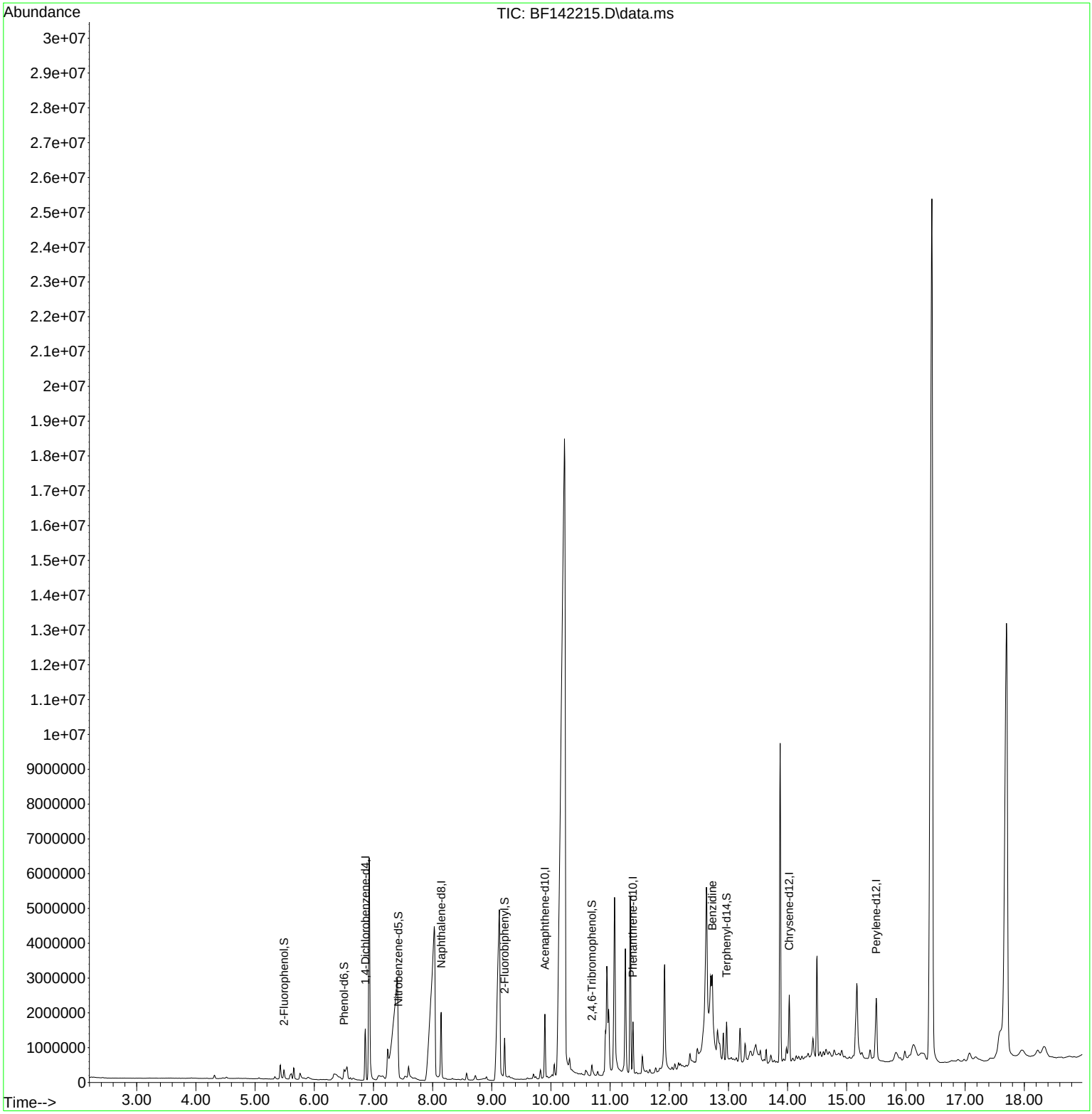
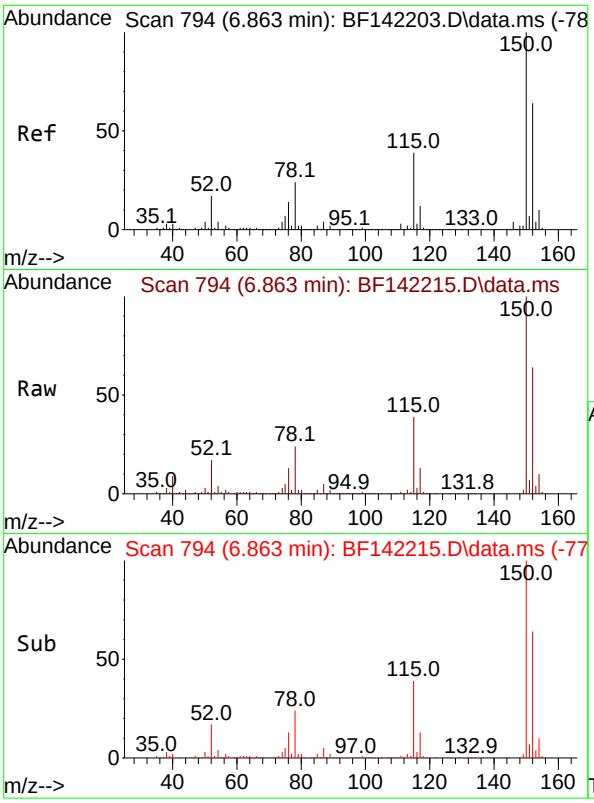
Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATERDL

Quant Time: Apr 22 17:31:25 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



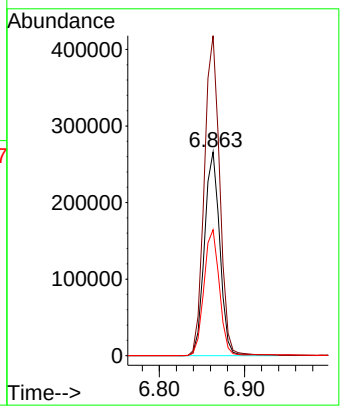


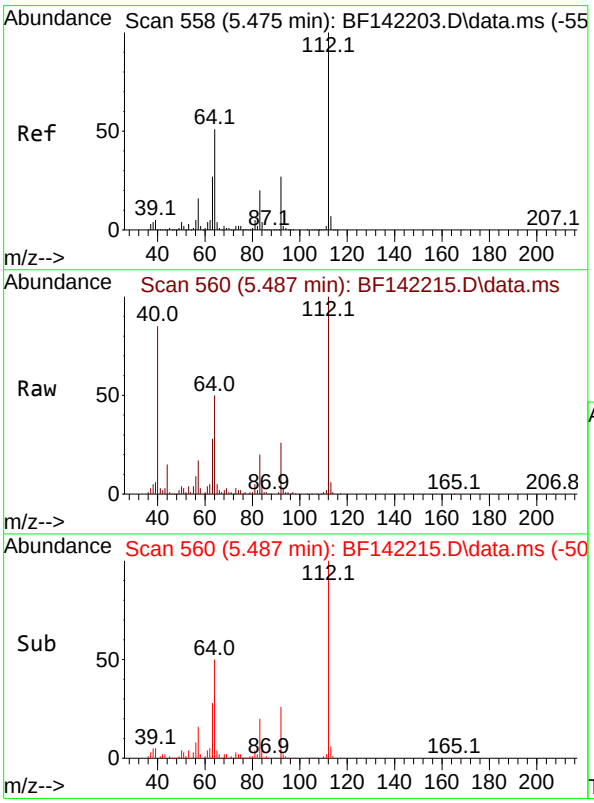
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142215.D
Acq: 22 Apr 2025 16:50

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATERDL

Tgt Ion:152 Resp: 331819

Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.4	189.6
115	61.8	49.4	74.2

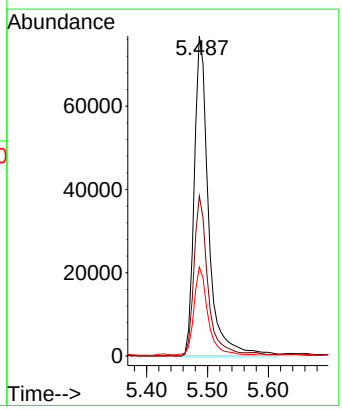


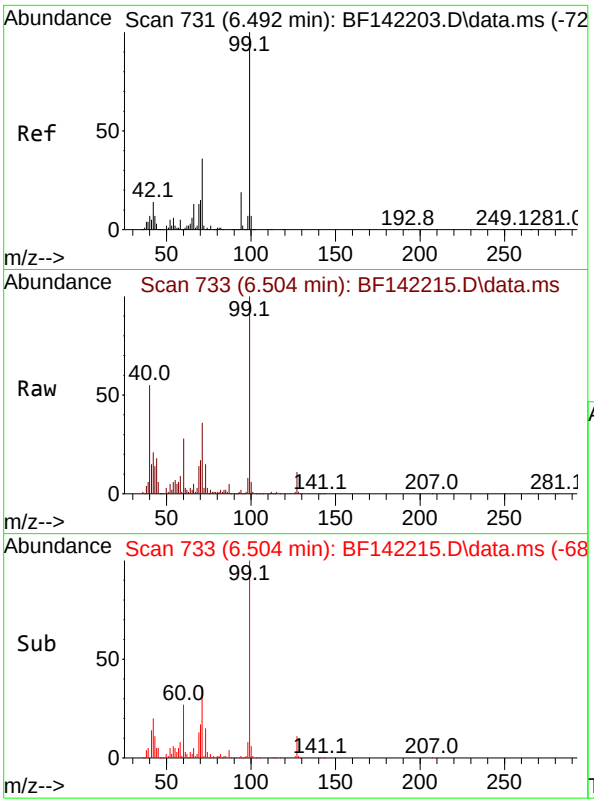


#5
2-Fluorophenol
Concen: 7.123 ng
RT: 5.487 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF142215.D
Acq: 22 Apr 2025 16:50

Tgt Ion:112 Resp: 126071

Ion	Ratio	Lower	Upper
112	100		
64	50.0	40.9	61.3
63	27.8	22.0	33.0



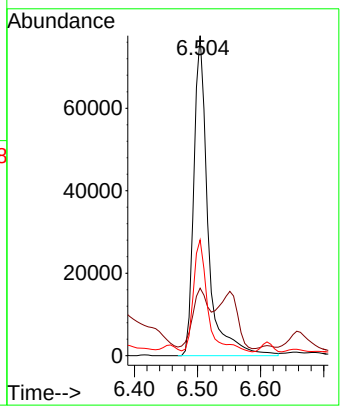


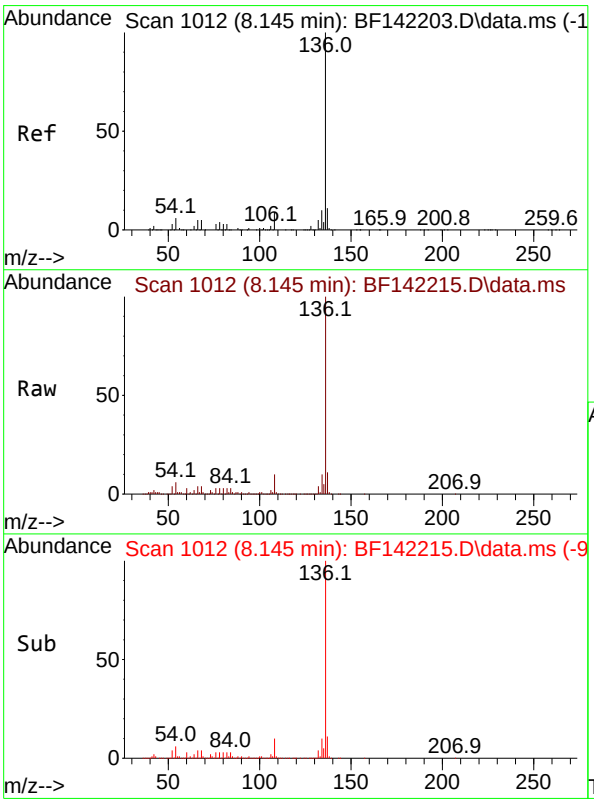
#7
Phenol-d6
Concen: 5.461 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF142215.D
Acq: 22 Apr 2025 16:50

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATERDL

Tgt Ion: 99 Resp: 121038

Ion	Ratio	Lower	Upper
99	100		
42	21.1	11.5	17.3#
71	36.2	28.6	42.8

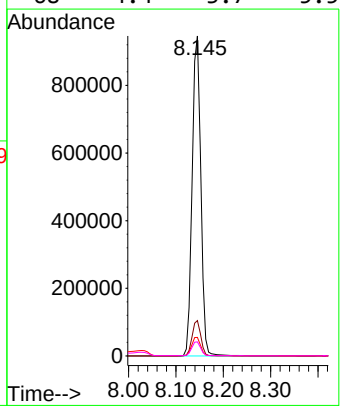


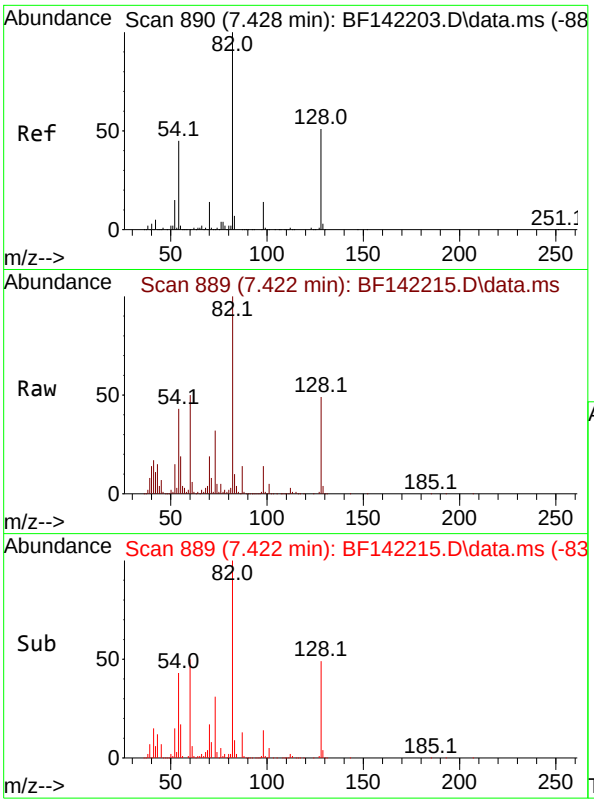


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF142215.D
Acq: 22 Apr 2025 16:50

Tgt Ion:136 Resp: 1202456

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	5.8	4.7	7.1
68	4.4	3.7	5.5



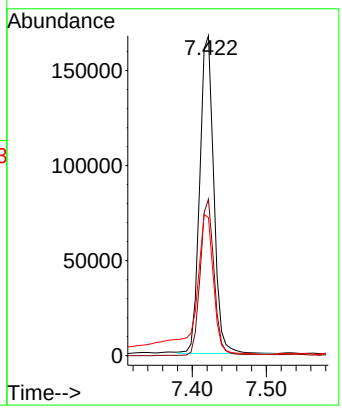


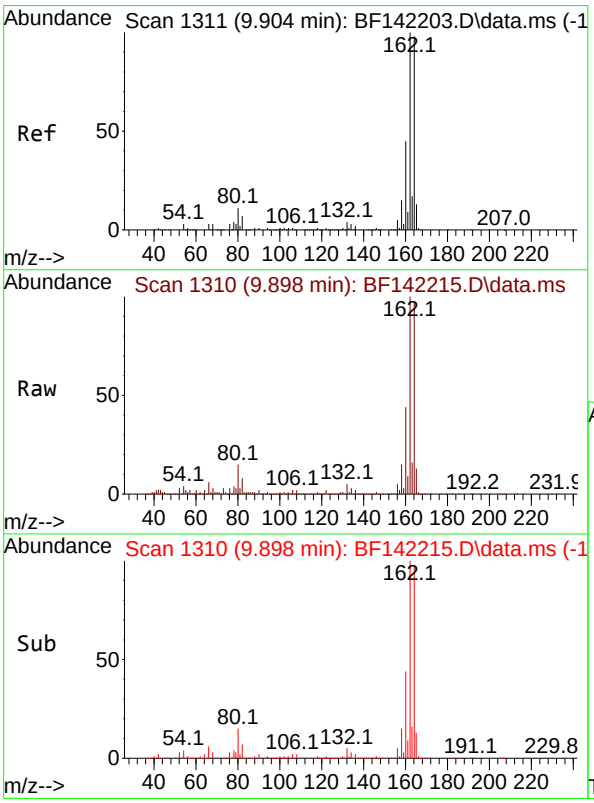
#23
Nitrobenzene-d5
Concen: 11.504 ng
RT: 7.422 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142215.D
Acq: 22 Apr 2025 16:50

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATERDL

Tgt Ion: 82 Resp: 220270

Ion	Ratio	Lower	Upper
82	100		
128	48.9	40.2	60.2
54	43.2	35.5	53.3

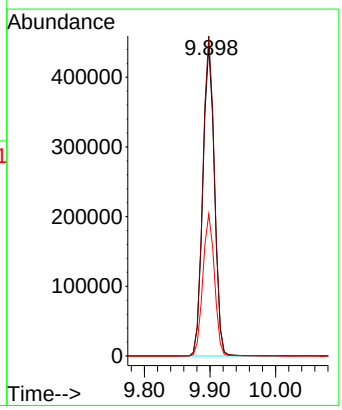


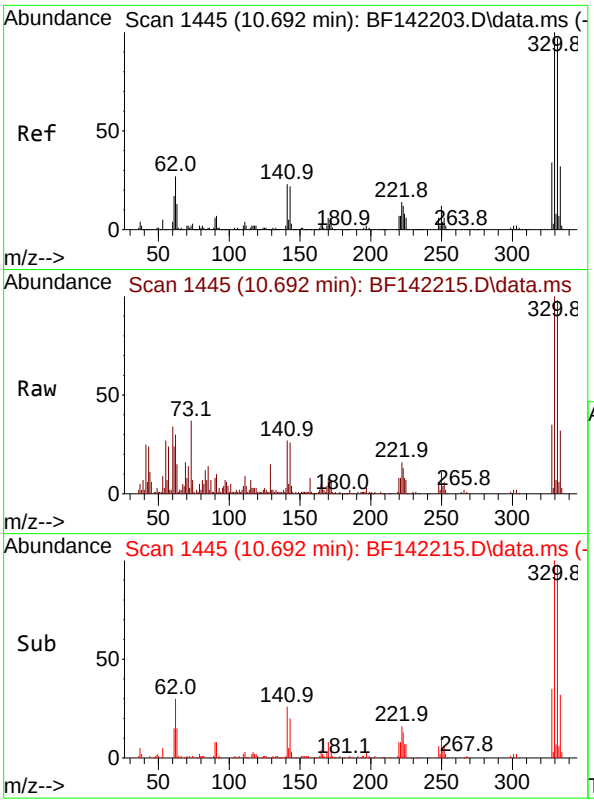


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BF142215.D
Acq: 22 Apr 2025 16:50

Tgt Ion:164 Resp: 548862

Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.9	122.9
160	45.8	36.8	55.2



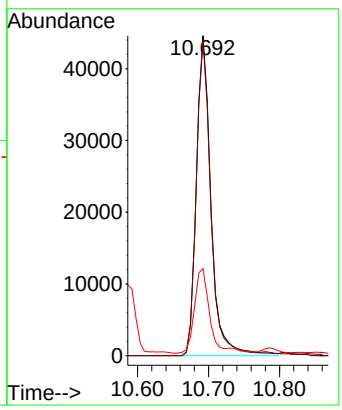


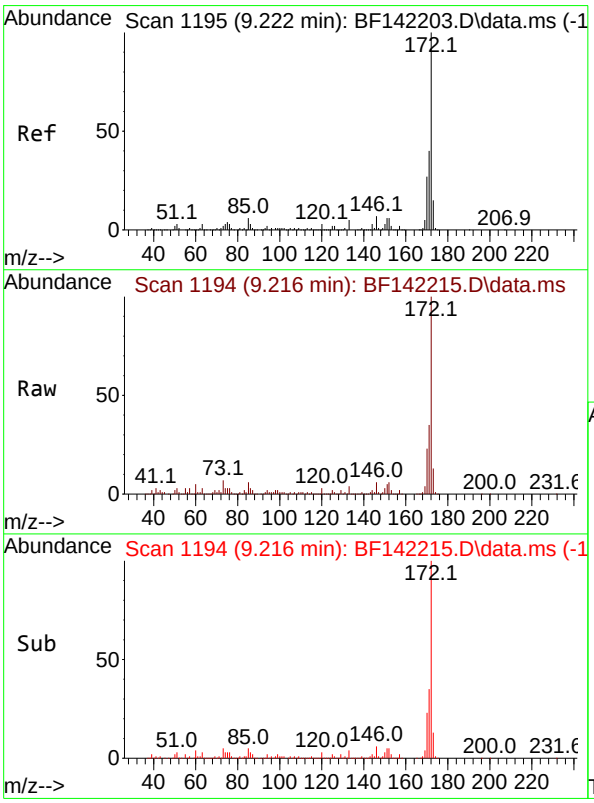
#42
2,4,6-Tribromophenol
Concen: 8.560 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142215.D
Acq: 22 Apr 2025 16:50

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATERDL

Tgt Ion:330 Resp: 64241

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	27.9	18.9	28.3

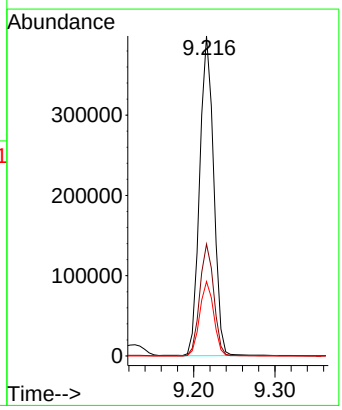


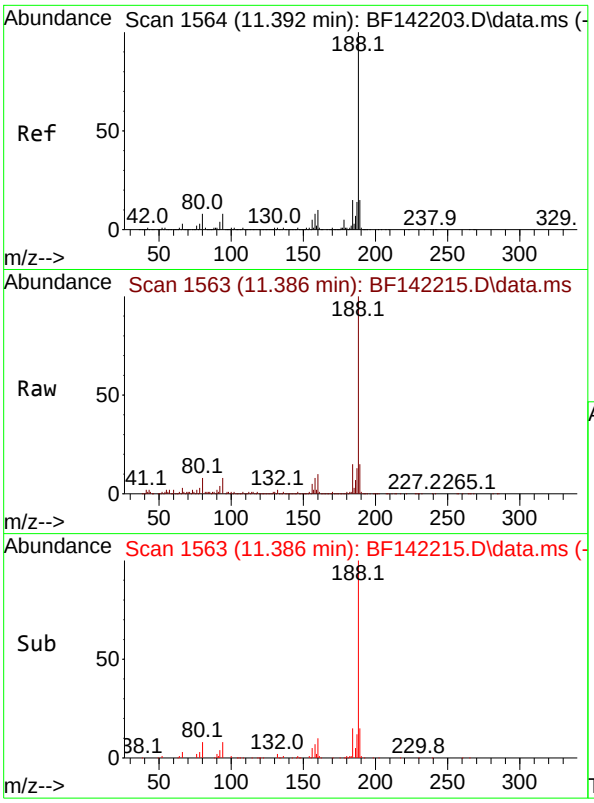


#45
2-Fluorobiphenyl
Concen: 14.191 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BF142215.D
Acq: 22 Apr 2025 16:50

Tgt Ion:172 Resp: 477877

Ion	Ratio	Lower	Upper
172	100		
171	34.9	32.1	48.1
170	23.2	21.4	32.0



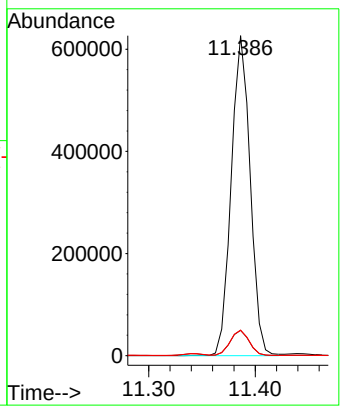


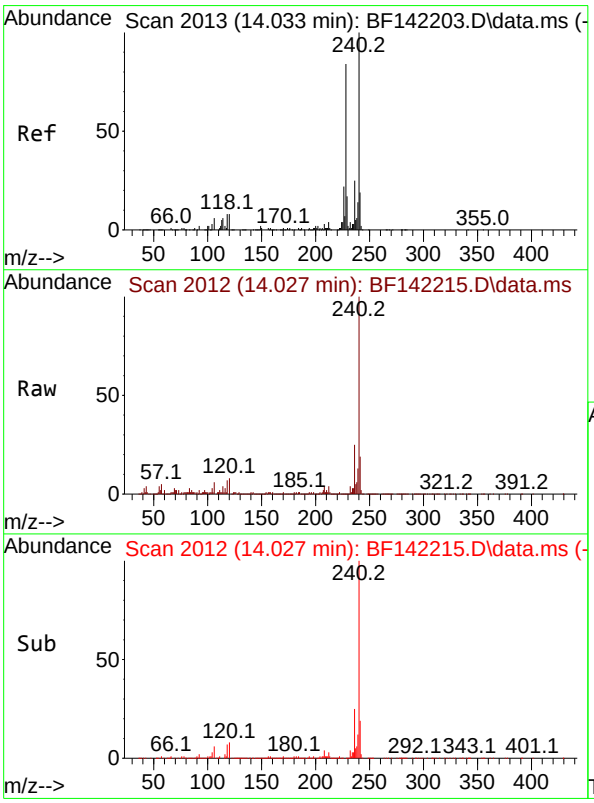
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142215.D
Acq: 22 Apr 2025 16:50

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATERDL

Tgt Ion:188 Resp: 773988

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.3	9.5
80	8.0	6.7	10.1

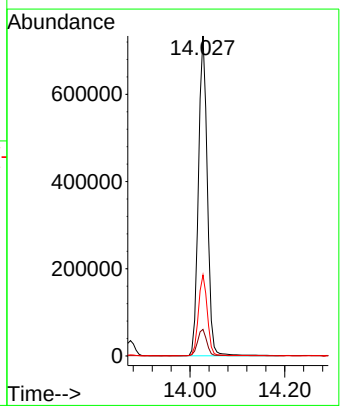


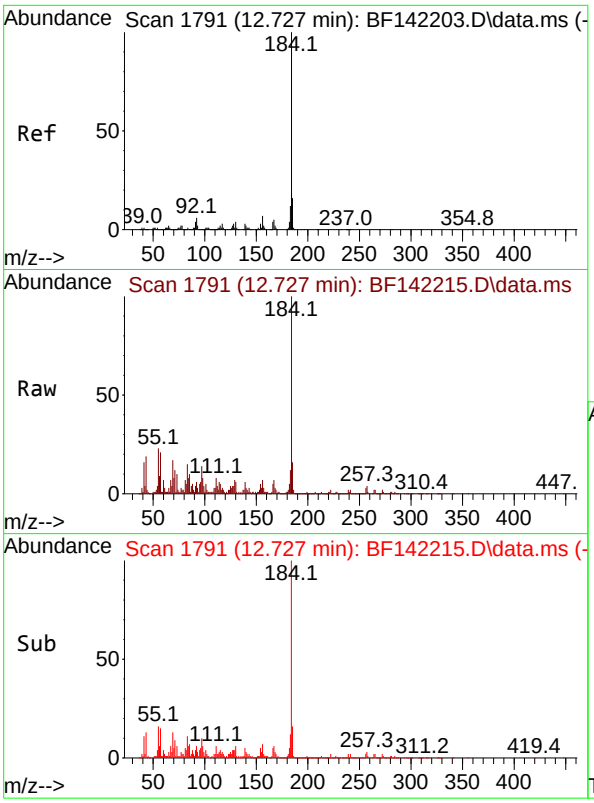


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142215.D
Acq: 22 Apr 2025 16:50

Tgt Ion:240 Resp: 952200

Ion	Ratio	Lower	Upper
240	100		
120	8.3	7.1	10.7
236	25.3	20.2	30.2



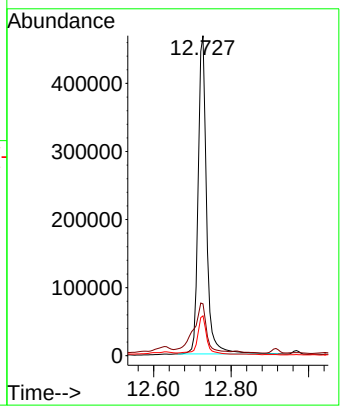


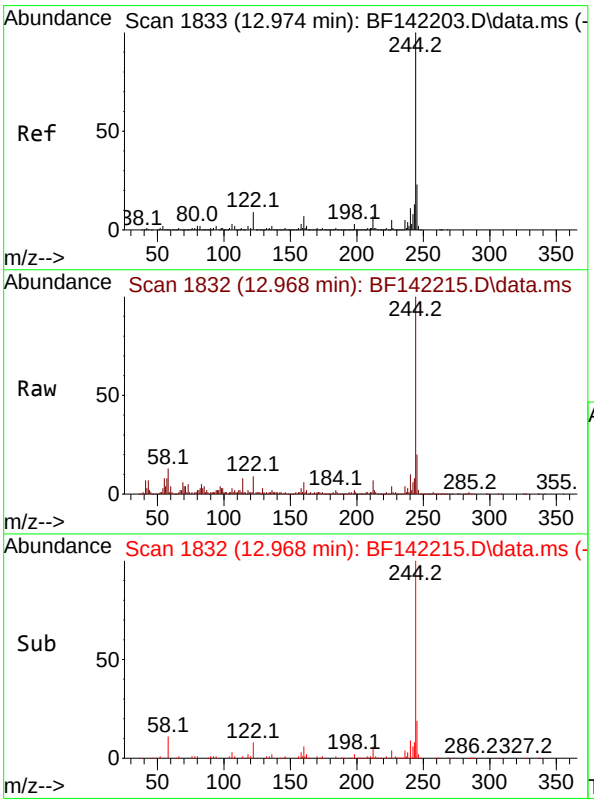
#77
Benzidine
Concen: 57.318 ng
RT: 12.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142215.D
Acq: 22 Apr 2025 16:50

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATERDL

Tgt Ion:184 Resp: 704309

Ion	Ratio	Lower	Upper
184	100		
185	16.2	13.0	19.6
183	12.5	9.6	14.4

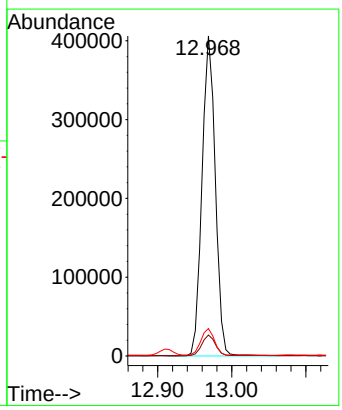


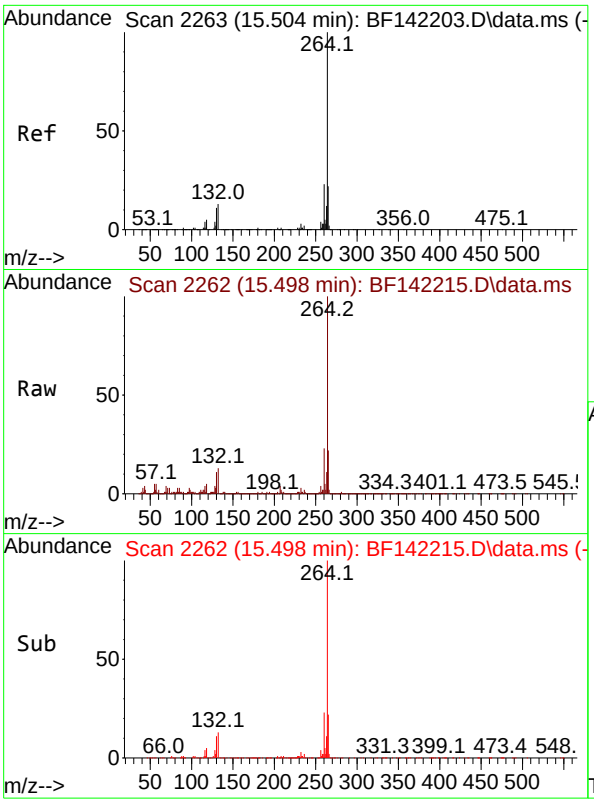


#79
Terphenyl-d14
Concen: 8.891 ng
RT: 12.968 min Scan# 1832
Delta R.T. -0.006 min
Lab File: BF142215.D
Acq: 22 Apr 2025 16:50

Tgt Ion:244 Resp: 505324

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.9	8.9
122	8.5	7.3	10.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142215.D
Acq: 22 Apr 2025 16:50

Instrument :
BNA_F
ClientSampleId :
EFF-WASTE-WATERDL

Tgt Ion:264 Resp: 1069333

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	22.1	16.9	25.3