Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072524\
Data File : BF138657.D
Acq On : 25 Jul 2024 17:20
Operator : RC/JU
Sample : P3357-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-854-J-SO-3-3.5-072024

Quant Time: Jul 25 17:46:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 16:58:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	61571	20.000	ng	-0.02
21) Naphthalene-d8	8.133	136	259726	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	140852	20.000	ng	-0.02
64) Phenanthrene-d10	11.369	188	229188	20.000	ng	-0.02
76) Chrysene-d12	14.004	240	104275	20.000	ng	-0.02
86) Perylene-d12	15.468	264	118718	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	436117	112.180	ng	-0.01
7) Phenol-d6	6.487	99	589916	114.065	ng	-0.02
23) Nitrobenzene-d5	7.416	82	386802	73.120	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	137513	104.461	ng	-0.02
45) 2-Fluorobiphenyl	9.204	172	657730	72.982	ng	-0.02
79) Terphenyl-d14	12.951	244	517925	80.917	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	28527	2.464	ng	98

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

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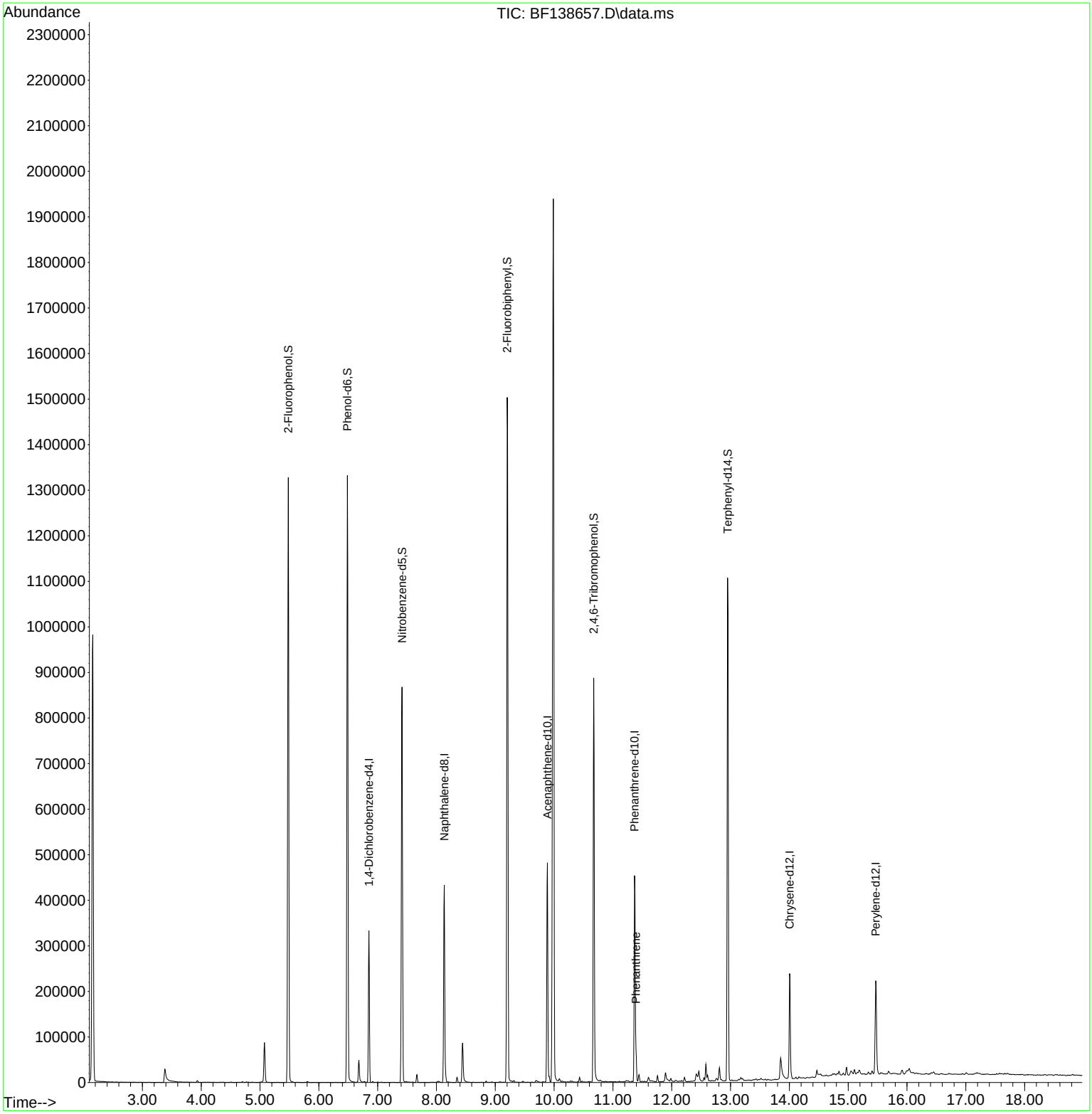
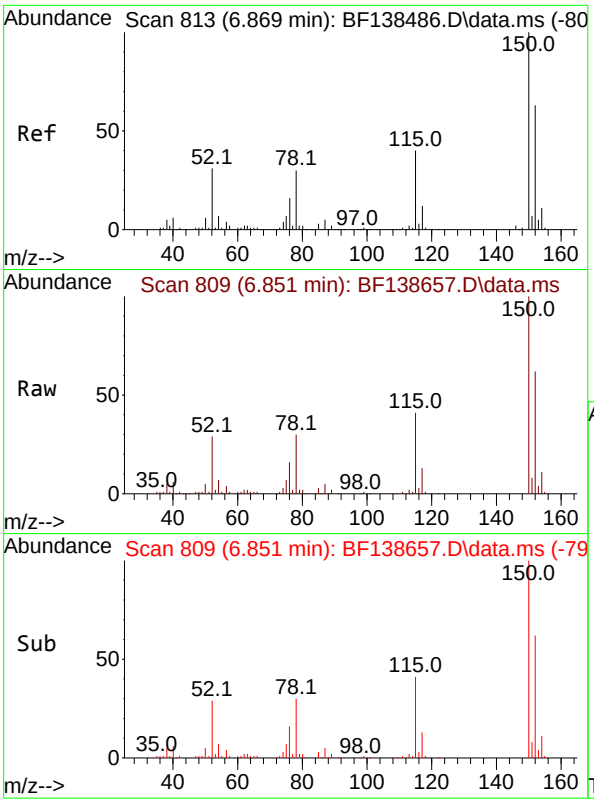


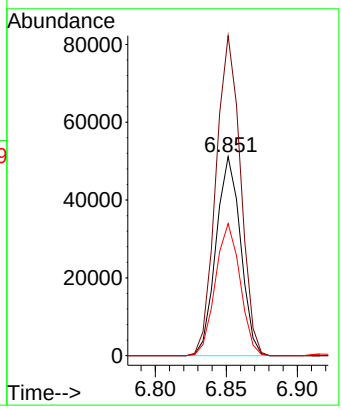


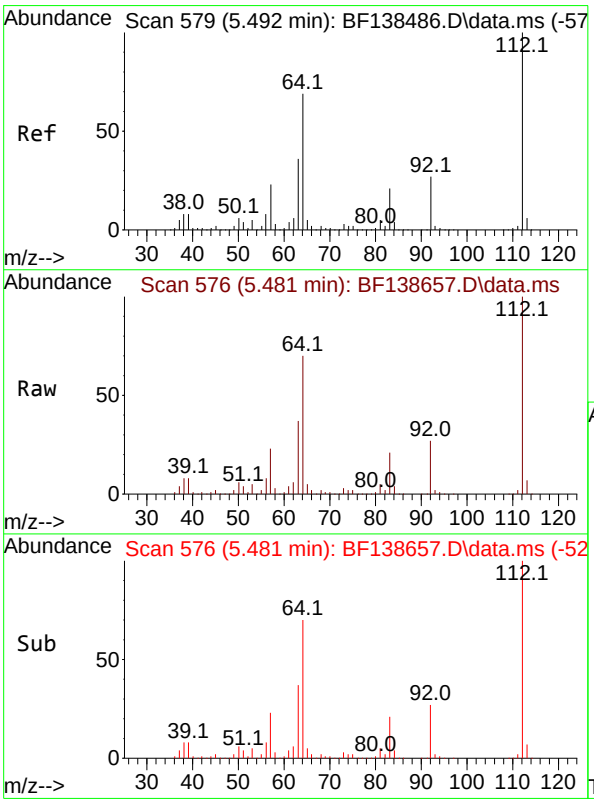
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF138657.D
Acq: 25 Jul 2024 17:20

Instrument :
BNA_F
ClientSampleId :
S-854-J-SO-3-3.5-072024

Tgt Ion:152 Resp: 61571

Ion	Ratio	Lower	Upper
152	100		
150	160.8	126.2	189.4
115	66.4	50.3	75.5

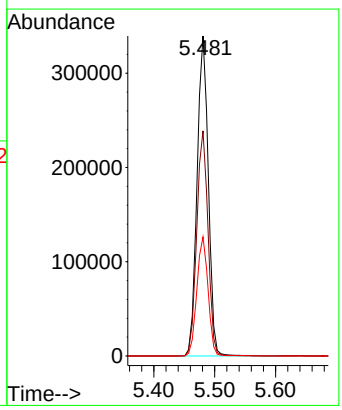


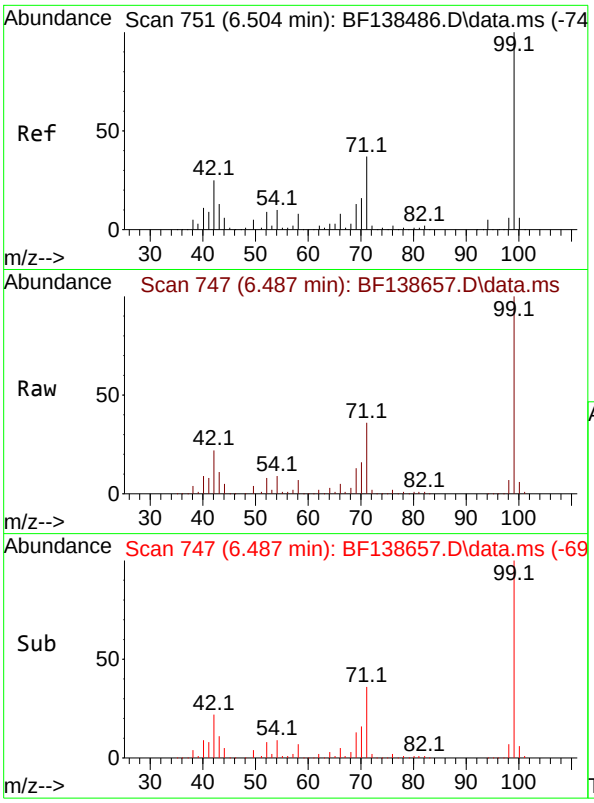


#5
2-Fluorophenol
Concen: 112.180 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138657.D
Acq: 25 Jul 2024 17:20

Tgt Ion:112 Resp: 436117

Ion	Ratio	Lower	Upper
112	100		
64	70.3	55.1	82.7
63	37.2	29.0	43.6



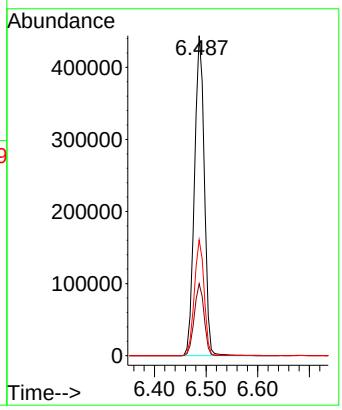


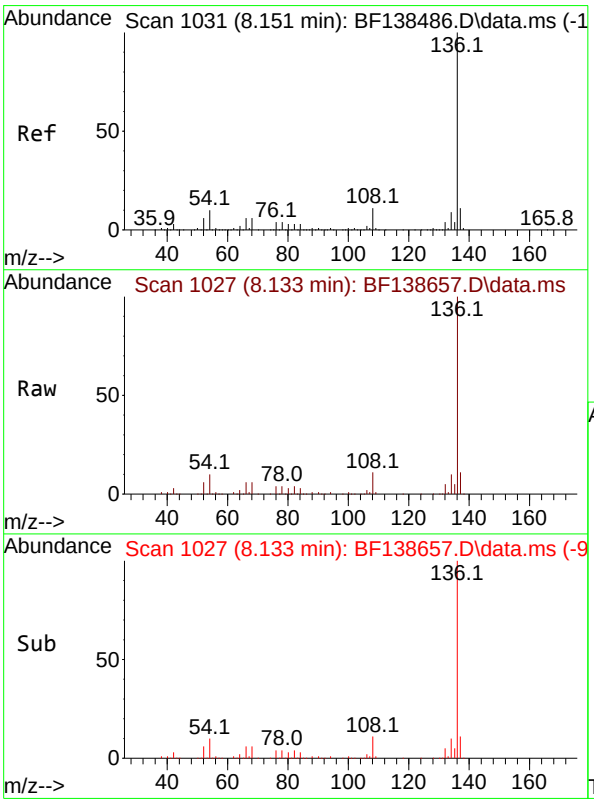
#7
Phenol-d6
Concen: 114.065 ng
RT: 6.487 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF138657.D
Acq: 25 Jul 2024 17:20

Instrument :
BNA_F
ClientSampleId :
S-854-J-SO-3-3.5-072024

Tgt Ion: 99 Resp: 589916

Ion	Ratio	Lower	Upper
99	100		
42	22.5	19.7	29.5
71	36.2	29.9	44.9

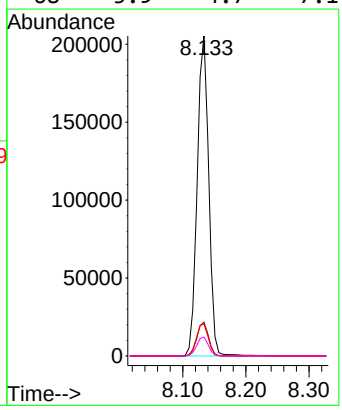


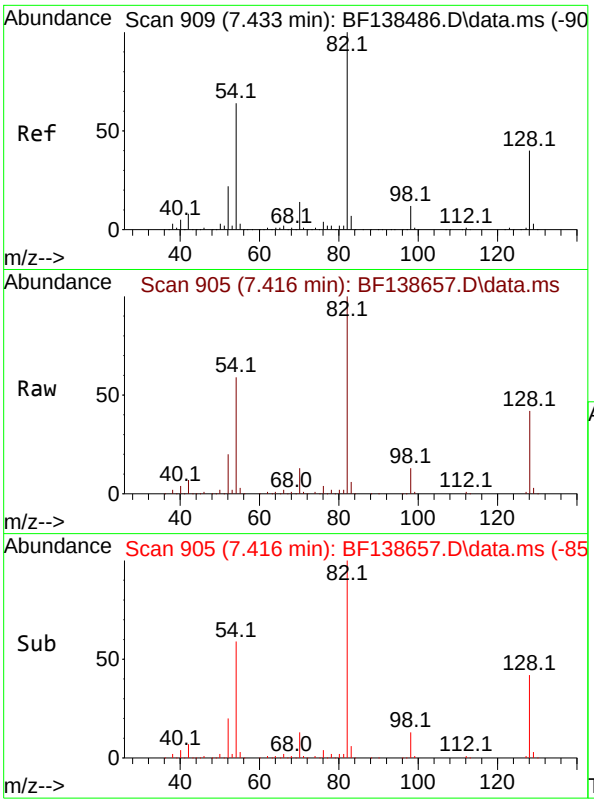


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1027
Delta R.T. -0.018 min
Lab File: BF138657.D
Acq: 25 Jul 2024 17:20

Tgt Ion:136 Resp: 259726

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	10.0	8.1	12.1
68	5.9	4.7	7.1



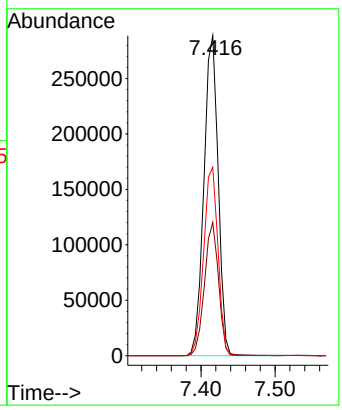


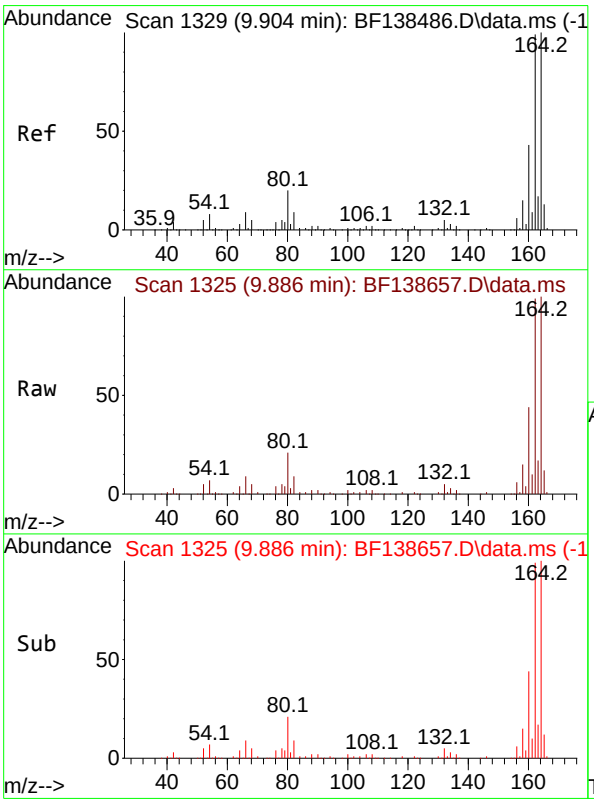
#23
Nitrobenzene-d5
Concen: 73.120 ng
RT: 7.416 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF138657.D
Acq: 25 Jul 2024 17:20

Instrument :
BNA_F
ClientSampleId :
S-854-J-SO-3-3.5-072024

Tgt Ion: 82 Resp: 386802

Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.3	48.5
54	58.9	51.4	77.0

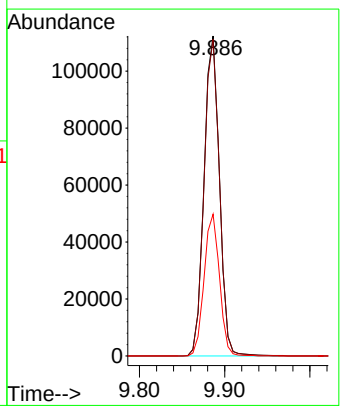


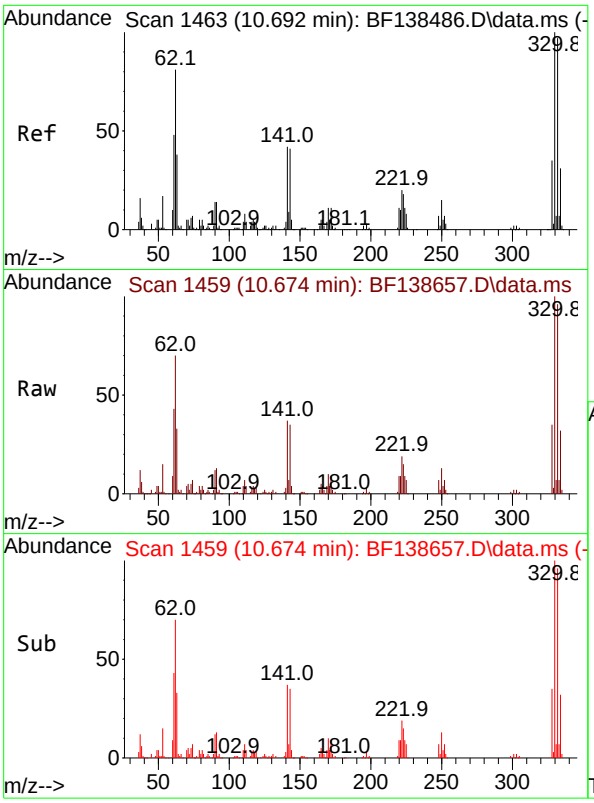


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.018 min
Lab File: BF138657.D
Acq: 25 Jul 2024 17:20

Tgt Ion:164 Resp: 140852

Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.0	118.6
160	44.3	34.4	51.6



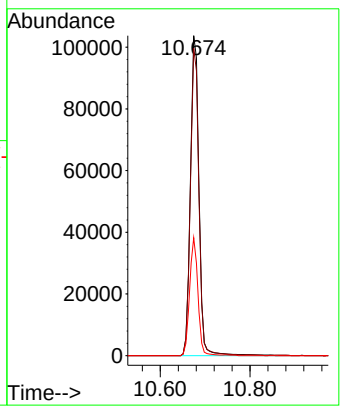


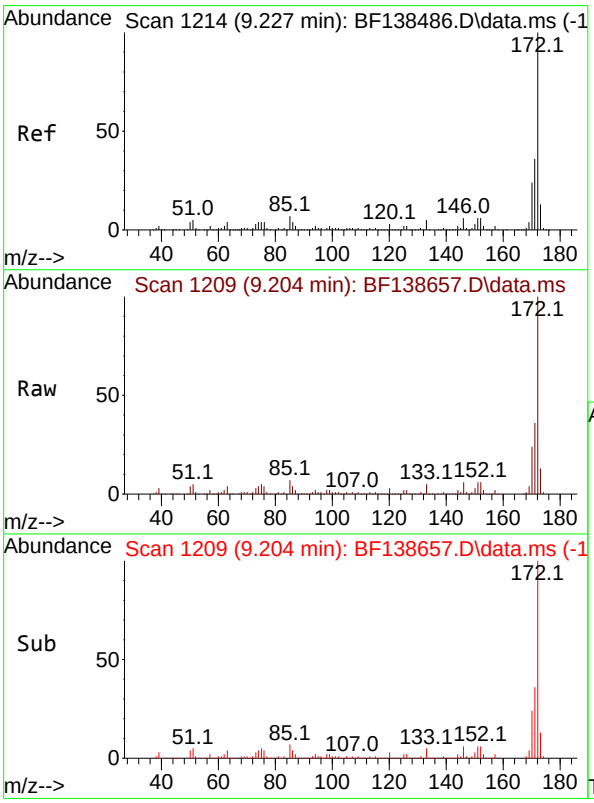
#42
2,4,6-Tribromophenol
Concen: 104.461 ng
RT: 10.674 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF138657.D
Acq: 25 Jul 2024 17:20

Instrument :
BNA_F
ClientSampleId :
S-854-J-SO-3-3.5-072024

Tgt Ion:330 Resp: 137513

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.8	115.2
141	36.0	29.4	44.2

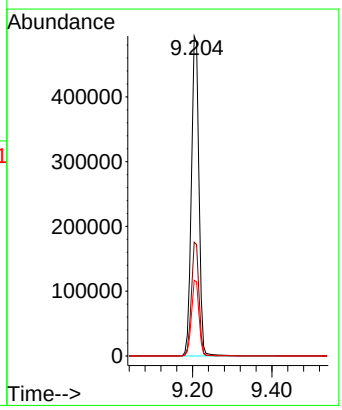


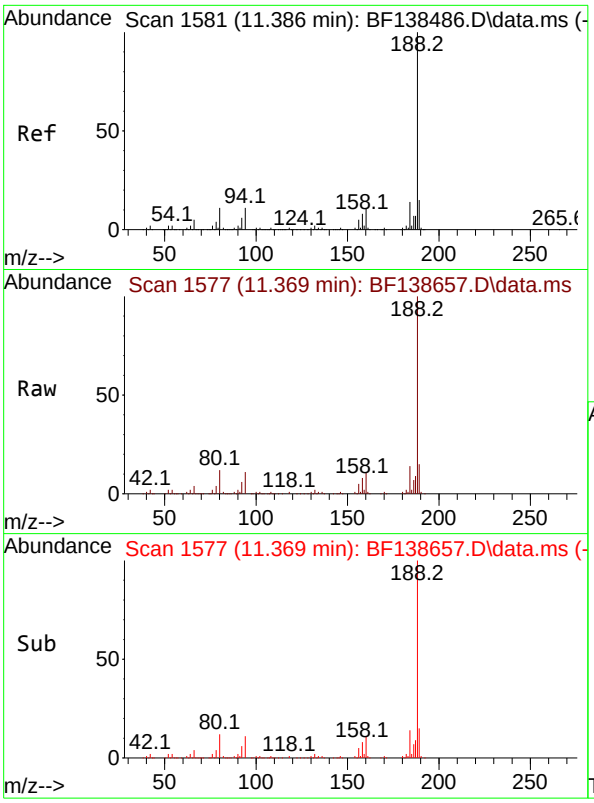


#45
2-Fluorobiphenyl
Concen: 72.982 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.023 min
Lab File: BF138657.D
Acq: 25 Jul 2024 17:20

Tgt Ion:172 Resp: 657730

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.9	43.3
170	23.7	18.9	28.3



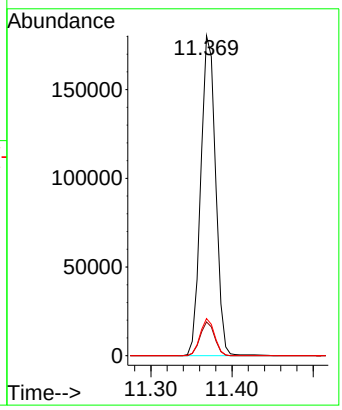


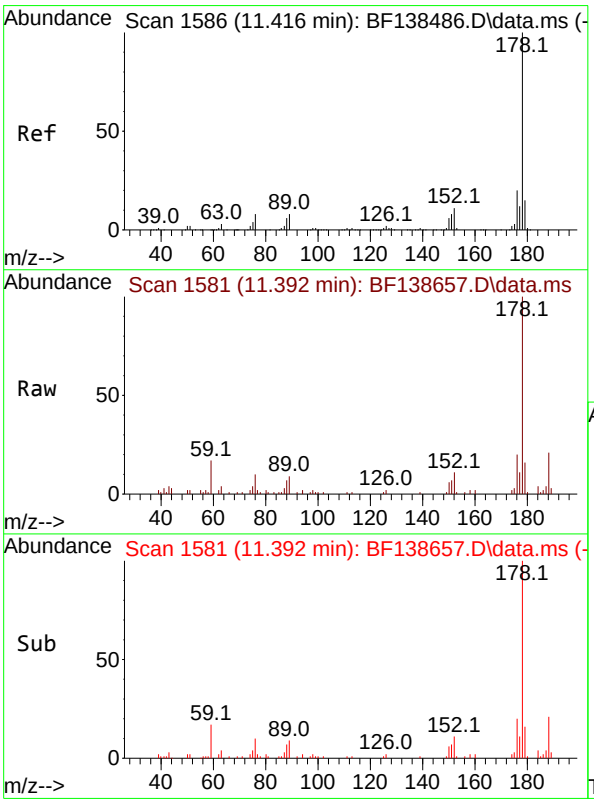
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF138657.D
Acq: 25 Jul 2024 17:20

Instrument :
BNA_F
ClientSampleId :
S-854-J-SO-3-3.5-072024

Tgt Ion:188 Resp: 229188

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.7	13.1
80	11.6	9.0	13.4

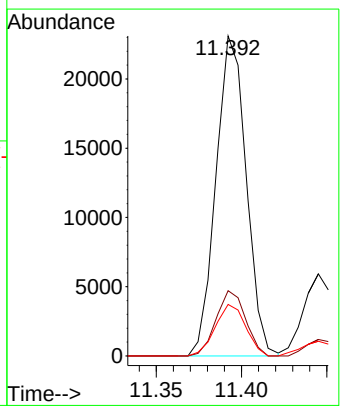


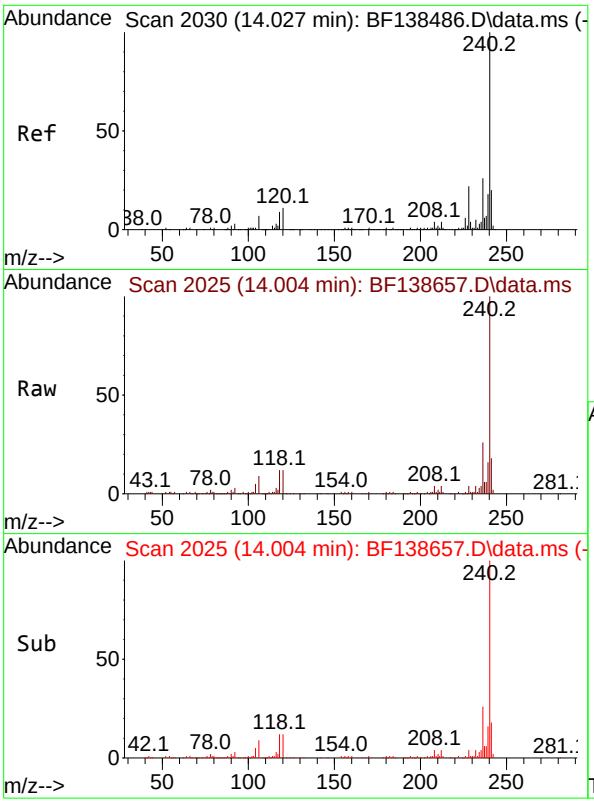


#71
Phenanthrene
Concen: 2.464 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.023 min
Lab File: BF138657.D
Acq: 25 Jul 2024 17:20

Tgt Ion:178 Resp: 28527

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.7	23.5
179	16.1	12.2	18.2



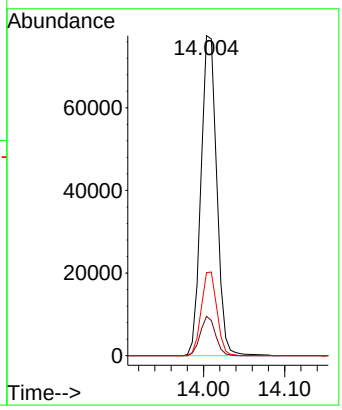


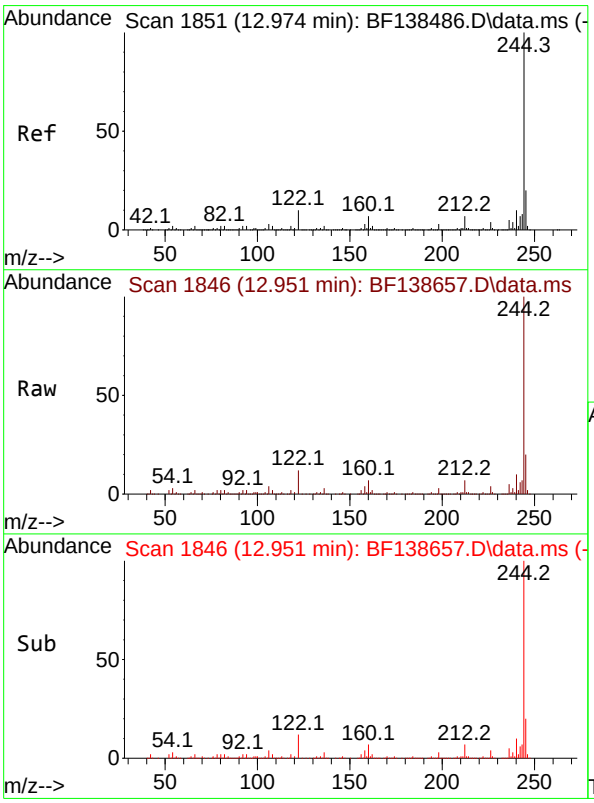
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF138657.D
Acq: 25 Jul 2024 17:20

Instrument :
BNA_F
ClientSampleId :
S-854-J-SO-3-3.5-072024

Tgt Ion:240 Resp: 104275

Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.6	12.8
236	25.9	21.0	31.6

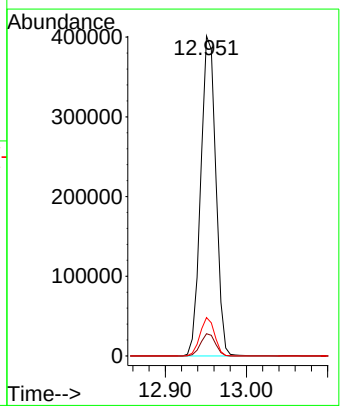


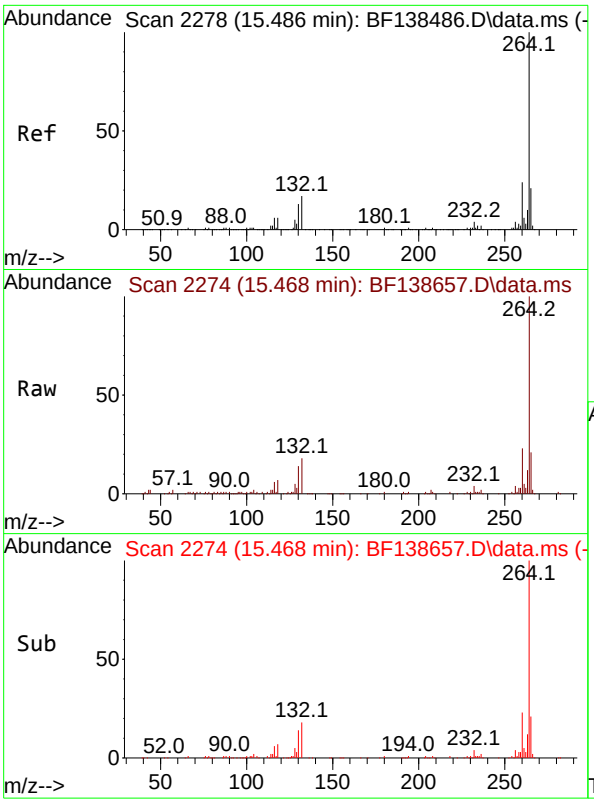


#79
Terphenyl-d14
Concen: 80.917 ng
RT: 12.951 min Scan# 1846
Delta R.T. -0.023 min
Lab File: BF138657.D
Acq: 25 Jul 2024 17:20

Tgt Ion:244 Resp: 517925

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	12.0	7.8	11.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF138657.D
Acq: 25 Jul 2024 17:20

Instrument :
BNA_F
ClientSampleId :
S-854-J-SO-3-3.5-072024

Tgt Ion:264 Resp: 118718

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.6
265	21.0	17.0	25.4