Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
Data File : BF142454.D
Acq On : 19 May 2025 16:31
Operator : RC/JU
Sample : Q2047-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Quant Time: May 19 16:57:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	104596	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	406882	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	209970	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	332115	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	244573	20.000	ng	0.00
86) Perylene-d12	15.557	264	202307	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	222160	36.258	ng	0.00
7) Phenol-d6	6.516	99	282643	37.506	ng	0.00
23) Nitrobenzene-d5	7.457	82	165036	24.737	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	74360	36.681	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	385371	26.170	ng	0.00
79) Terphenyl-d14	13.010	244	362752	21.953	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.481	166	34021	2.508	ng	99
71) Phenanthrene	11.445	178	282542	16.230	ng	99
72) Anthracene	11.498	178	75680	4.231	ng	99
75) Fluoranthene	12.639	202	258564	14.858	ng	98
78) Pyrene	12.869	202	282906	12.996	ng	99
81) Benzo(a)anthracene	14.051	228	111681	7.051	ng	98
83) Chrysene	14.086	228	101083	6.855	ng	97
88) Benzo(b)fluoranthene	15.116	252	85634m	6.989	ng	
89) Benzo(k)fluoranthene	15.133	252	31146m	2.778	ng	
90) Benzo(a)pyrene	15.492	252	68527	6.241	ng	99
92) Benzo(g,h,i)perylene	17.509	276	27205	2.358	ng	99

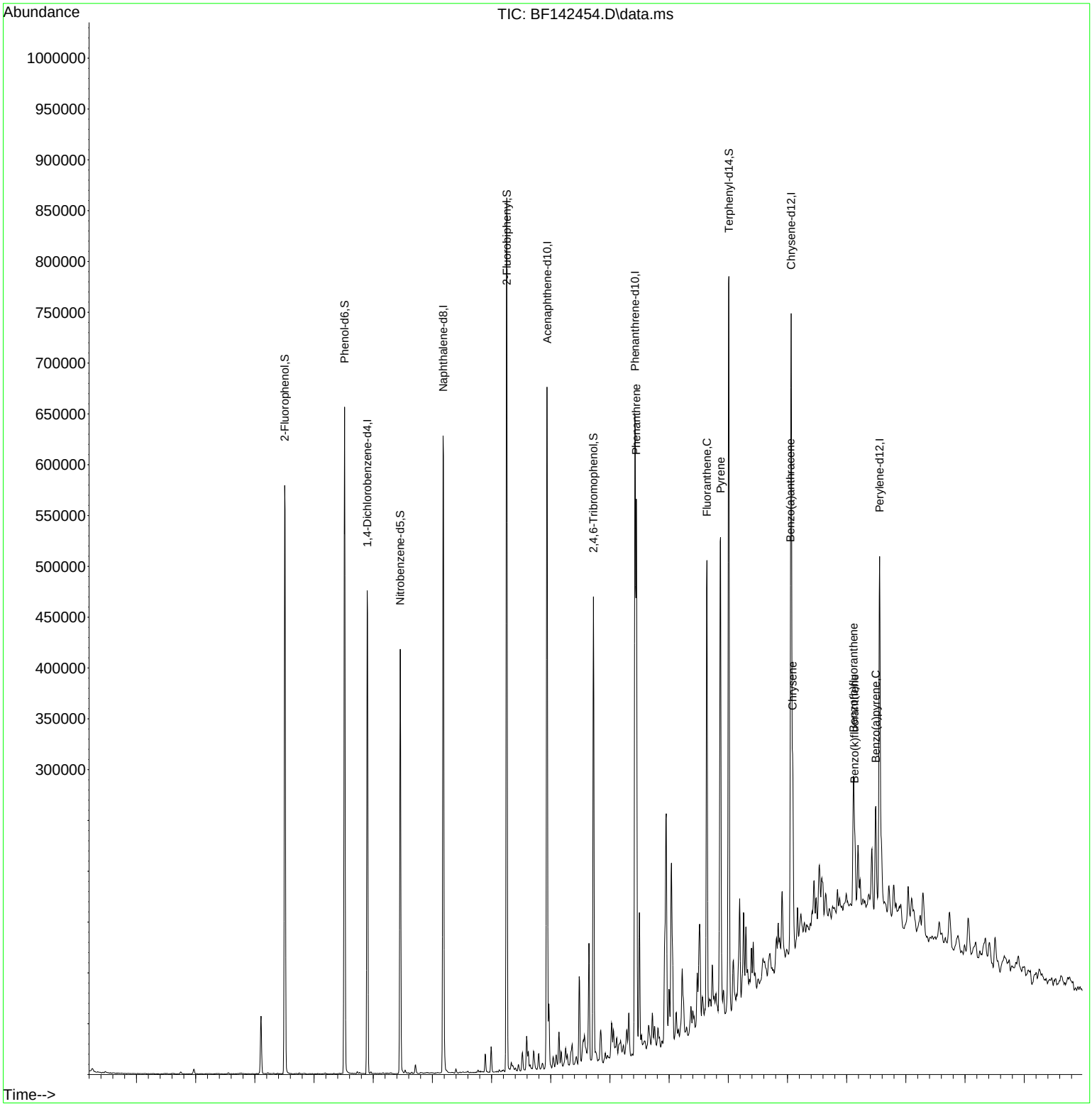
(#) = qualifier out of range (m) = manual integration (+) = signals summed

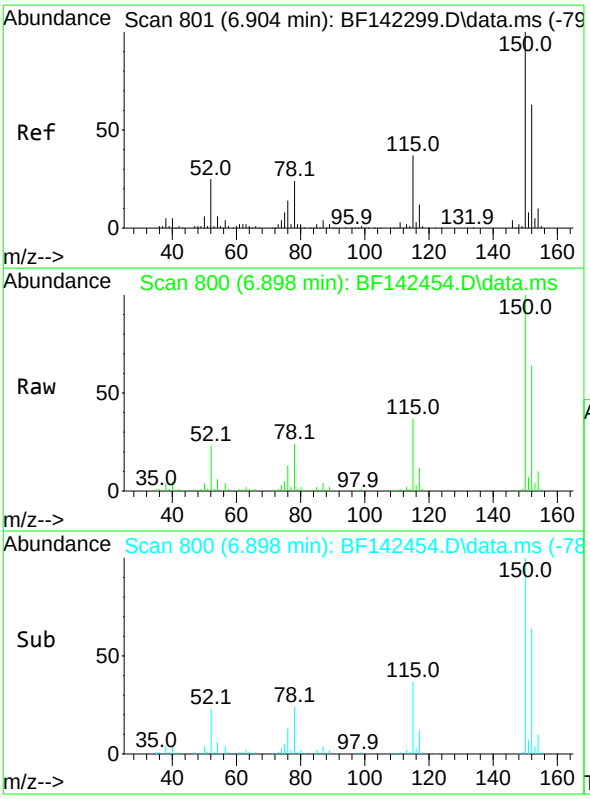
Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
Data File : BF142454.D
Acq On : 19 May 2025 16:31
Operator : RC/JU
Sample : Q2047-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Quant Time: May 19 16:57:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



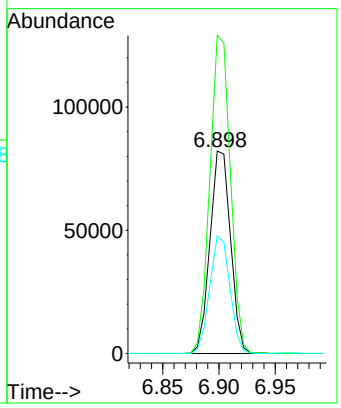


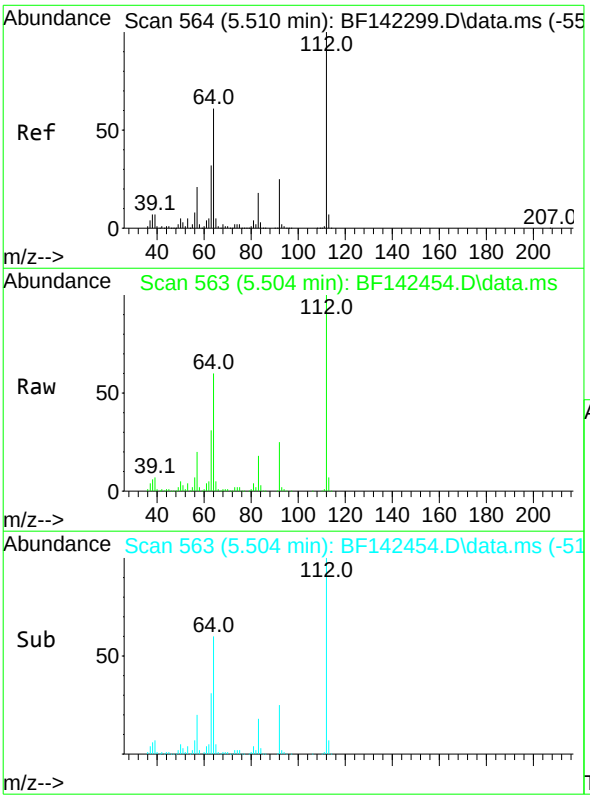
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Tgt Ion:152 Resp: 104596

Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.6	190.0
115	58.1	47.3	70.9

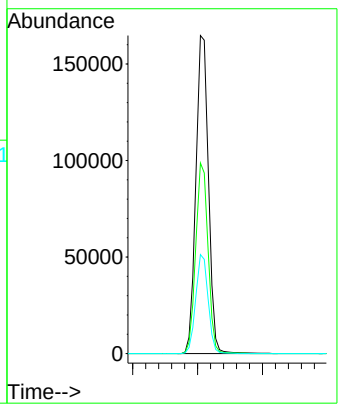


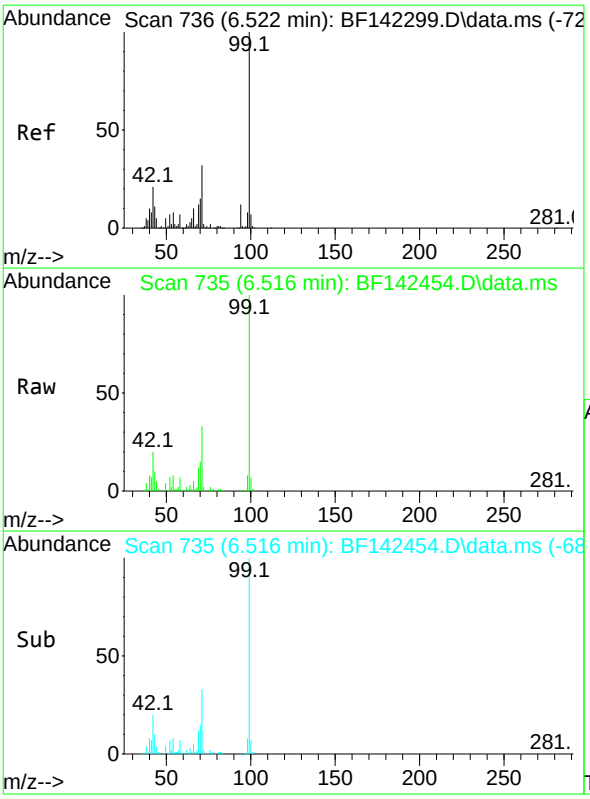


#5
2-Fluorophenol
Concen: 36.258 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion:112 Resp: 222160

Ion	Ratio	Lower	Upper
112	100		
64	59.9	48.9	73.3
63	31.1	25.6	38.4



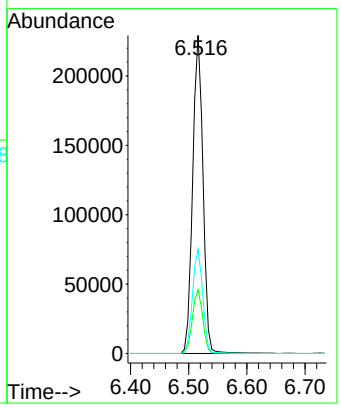


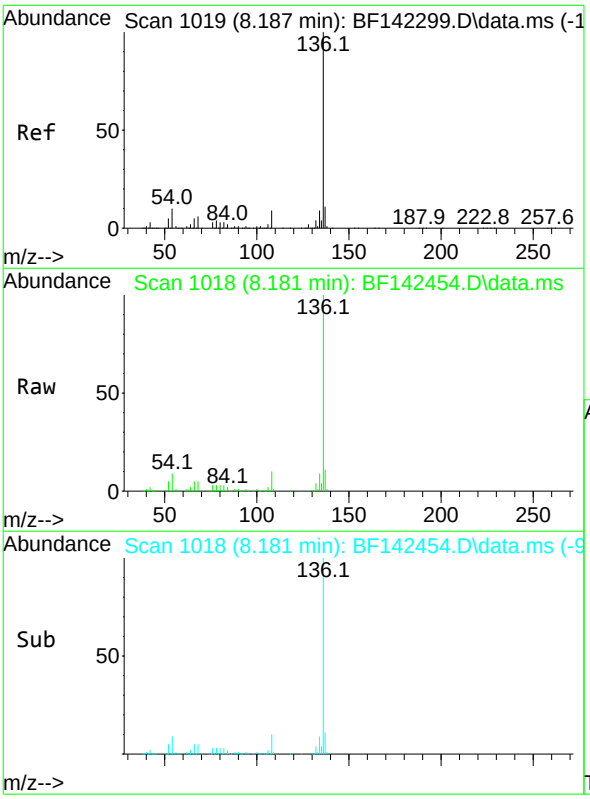
#7
Phenol-d6
Concen: 37.506 ng
RT: 6.516 min Scan# 73
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Tgt Ion: 99 Resp: 282643

Ion	Ratio	Lower	Upper
99	100		
42	20.0	17.0	25.4
71	32.8	25.8	38.8

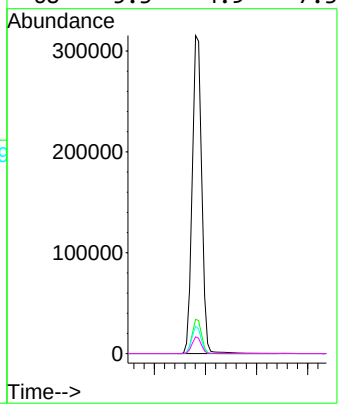


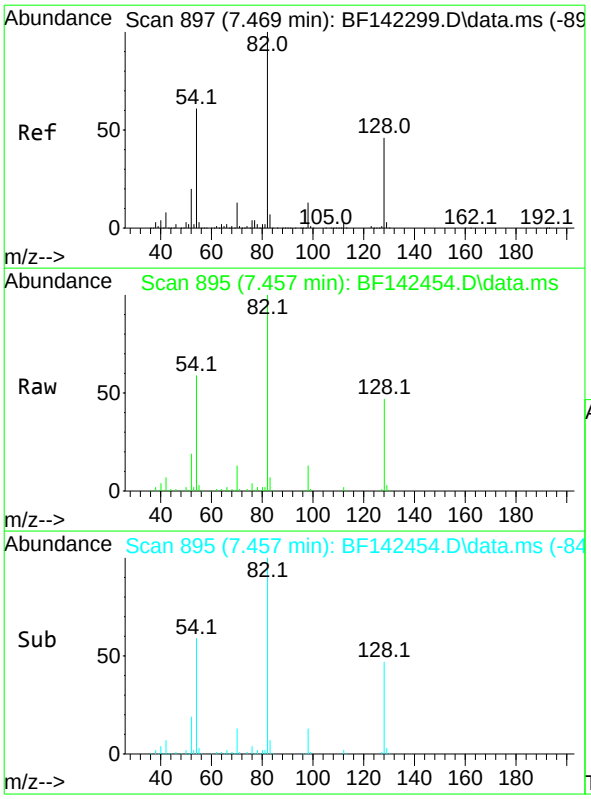


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion:136 Resp: 406882

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.6	7.7	11.5
68	5.3	4.9	7.3



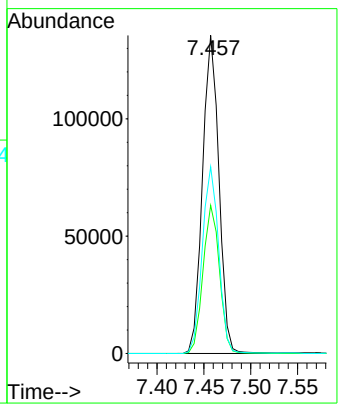


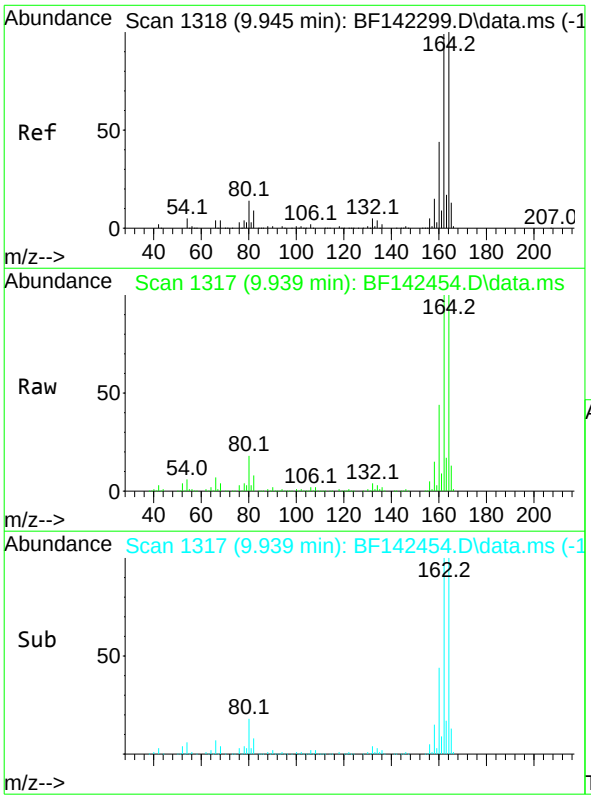
#23
Nitrobenzene-d5
Concen: 24.737 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Tgt Ion: 82 Resp: 165036

Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.0	55.6
54	58.7	48.6	73.0

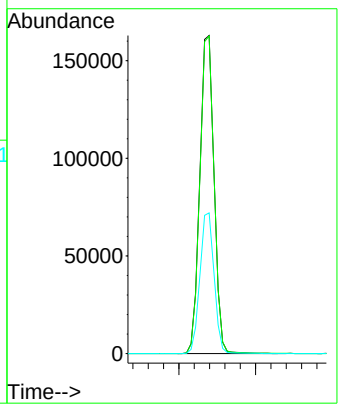


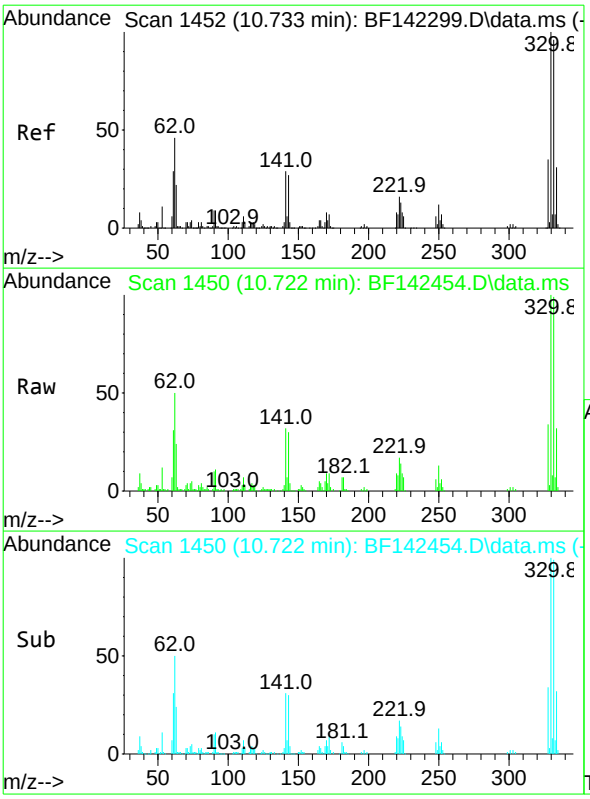


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion:164 Resp: 209970

Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.2	118.8
160	44.2	35.3	52.9



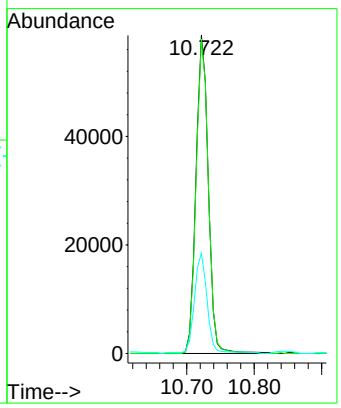


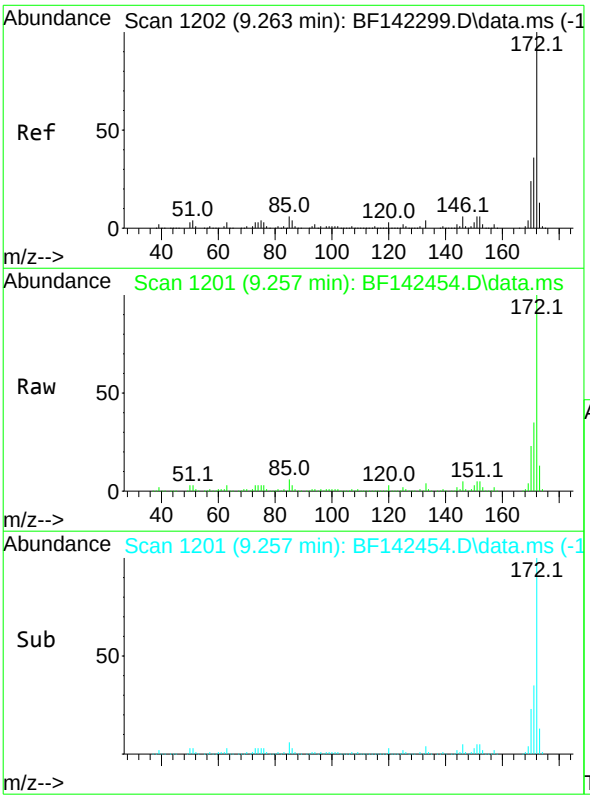
#42
2,4,6-Tribromophenol
Concen: 36.681 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Tgt Ion:330 Resp: 74360

Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.8	115.2
141	33.1	24.9	37.3

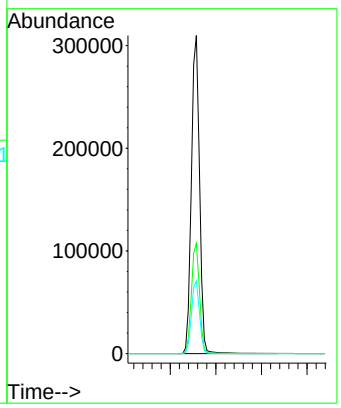


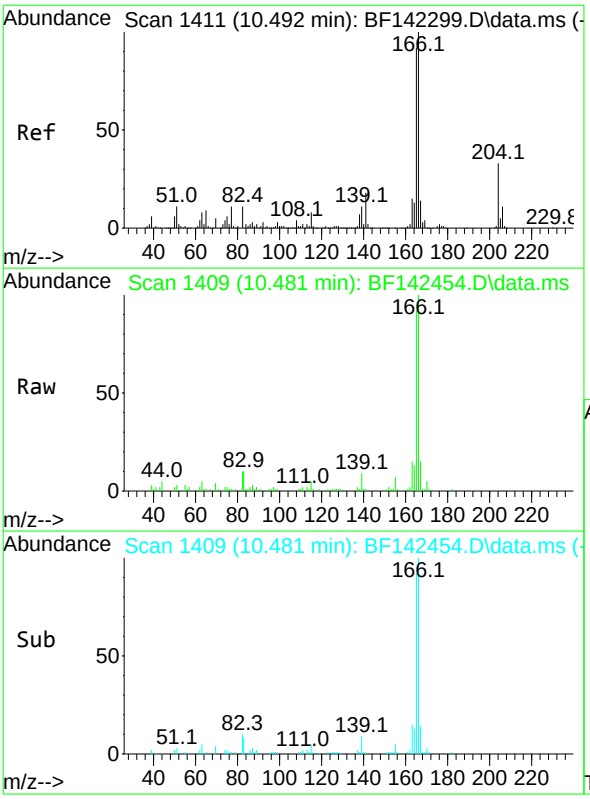


#45
2-Fluorobiphenyl
Concen: 26.170 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion:172 Resp: 385371

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	42.8
170	22.8	19.0	28.4



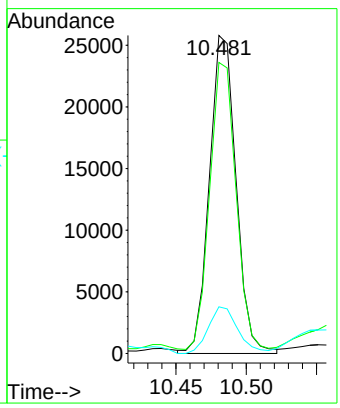


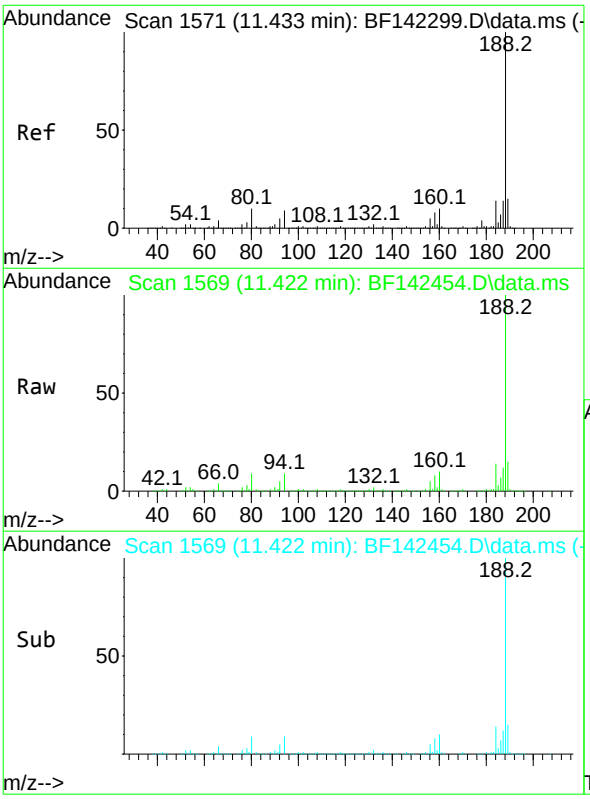
#58
Fluorene
Concen: 2.508 ng
RT: 10.481 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Tgt Ion:166 Resp: 34021

Ion	Ratio	Lower	Upper
166	100		
165	91.5	74.0	111.0
167	14.7	10.9	16.3

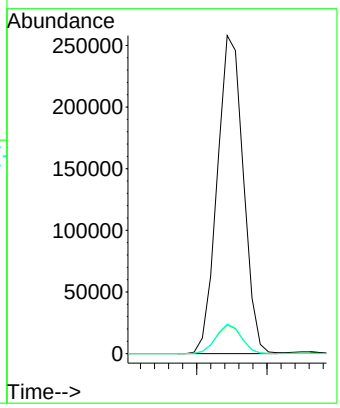


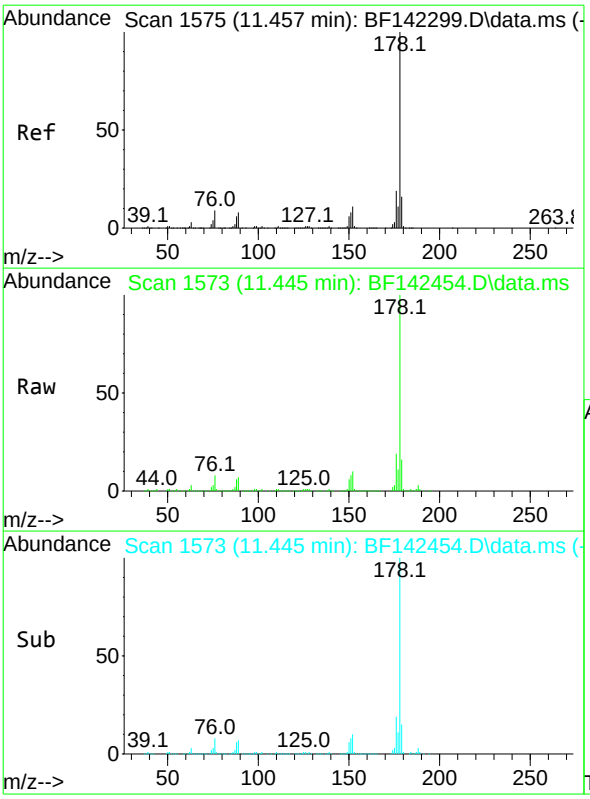


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion:188 Resp: 332115

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.5	11.3
80	9.3	7.9	11.9



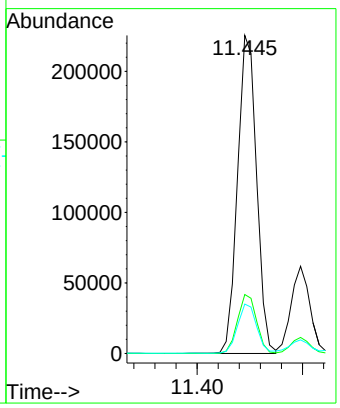


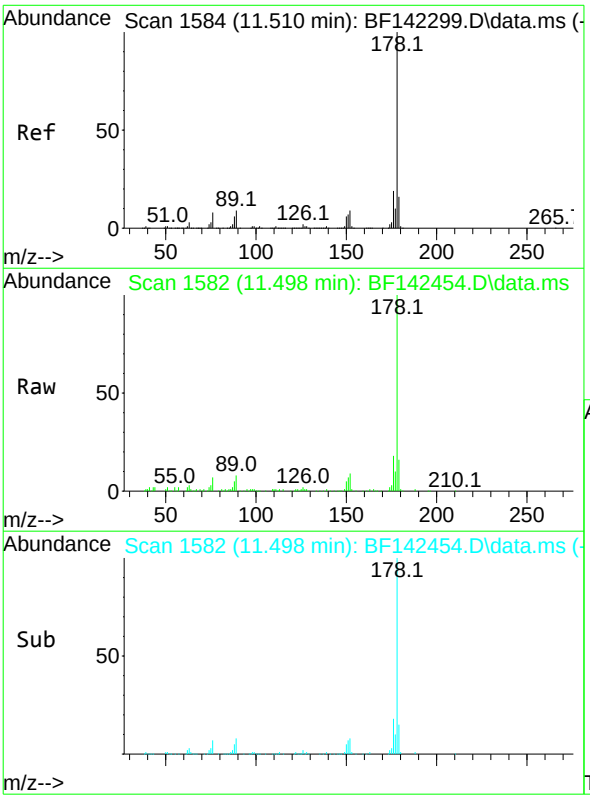
#71
Phenanthrene
Concen: 16.230 ng
RT: 11.445 min Scan# 15
Delta R.T. -0.012 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Tgt Ion:178 Resp: 282542

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	15.5	12.6	18.8

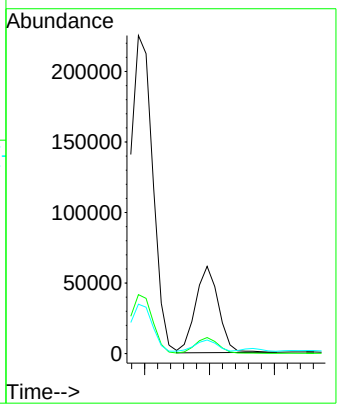


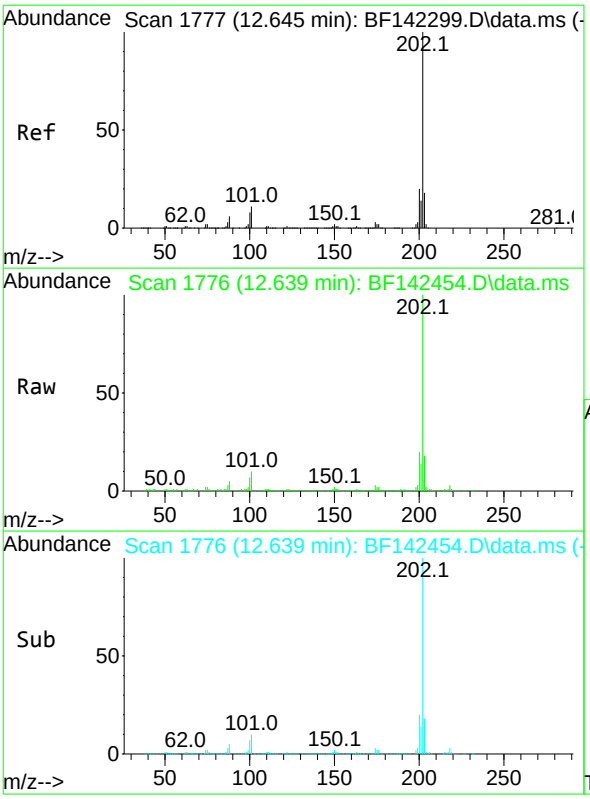


#72
Anthracene
Concen: 4.231 ng
RT: 11.498 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion:178 Resp: 75680

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.3	22.9
179	15.6	12.6	18.8



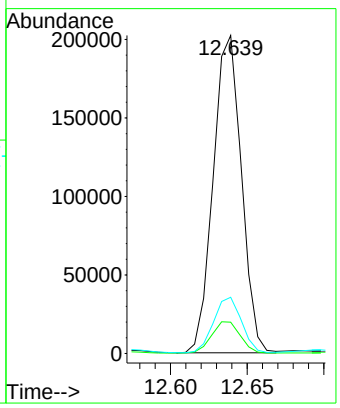


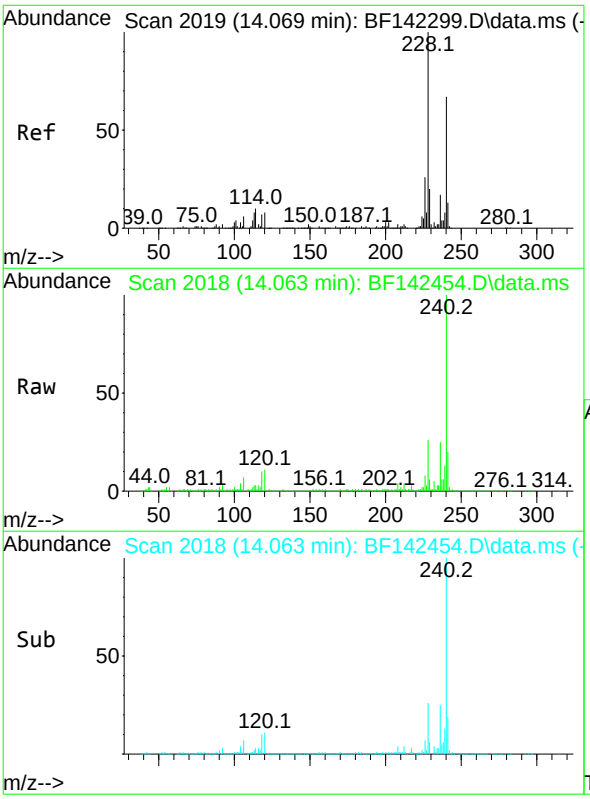
#75
Fluoranthene
Concen: 14.858 ng
RT: 12.639 min Scan# 17
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Tgt Ion:202 Resp: 258564

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	31.4
203	17.7	0.0	37.9

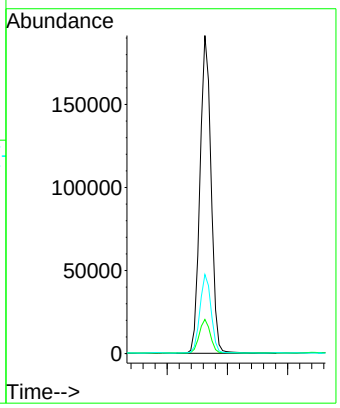


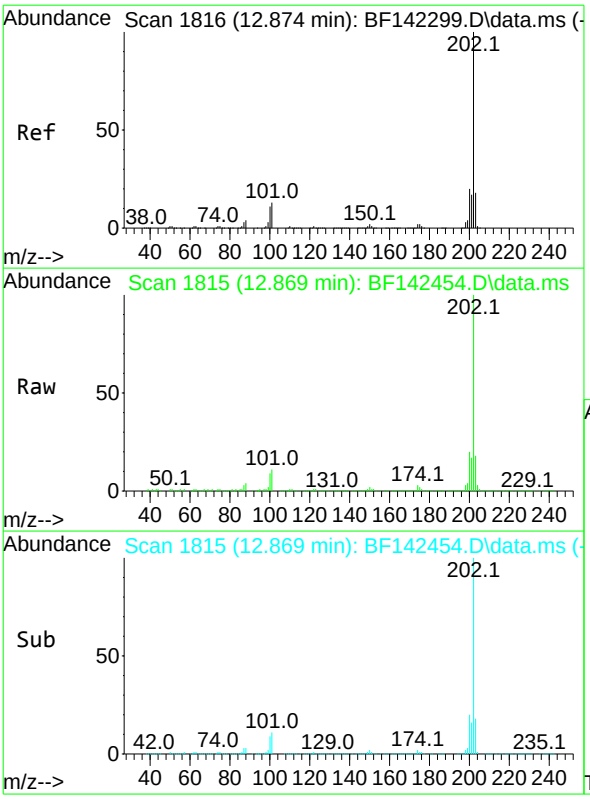


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion:240 Resp: 244573

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.7	14.5
236	24.9	20.0	30.0



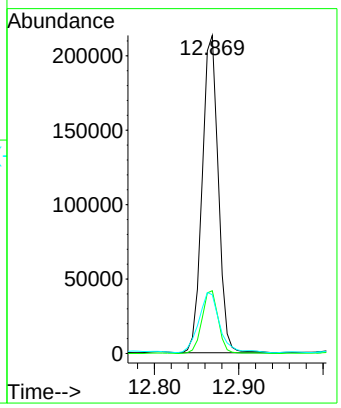


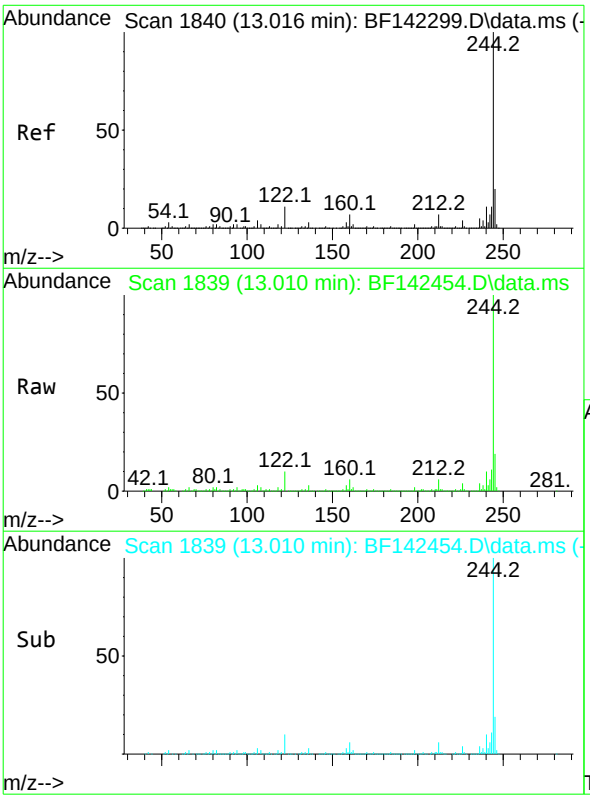
#78
Pyrene
Concen: 12.996 ng
RT: 12.869 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Tgt Ion:202 Resp: 282906

Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.2	24.4
203	18.5	14.3	21.5

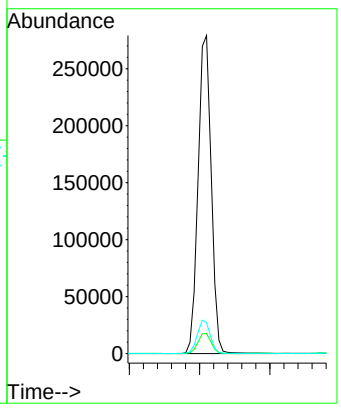


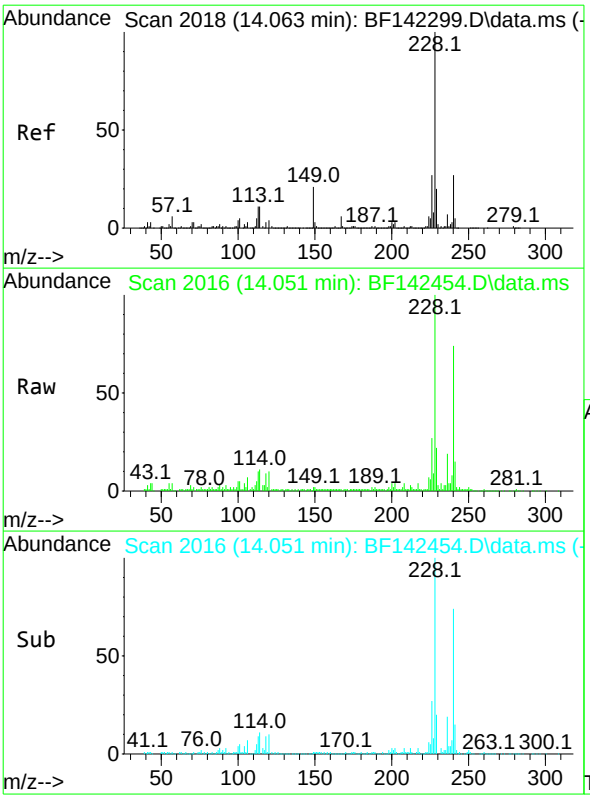


#79
Terphenyl-d14
Concen: 21.953 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion:244 Resp: 362752

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.2
122	9.7	9.0	13.4



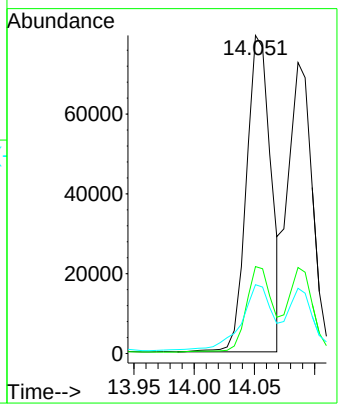


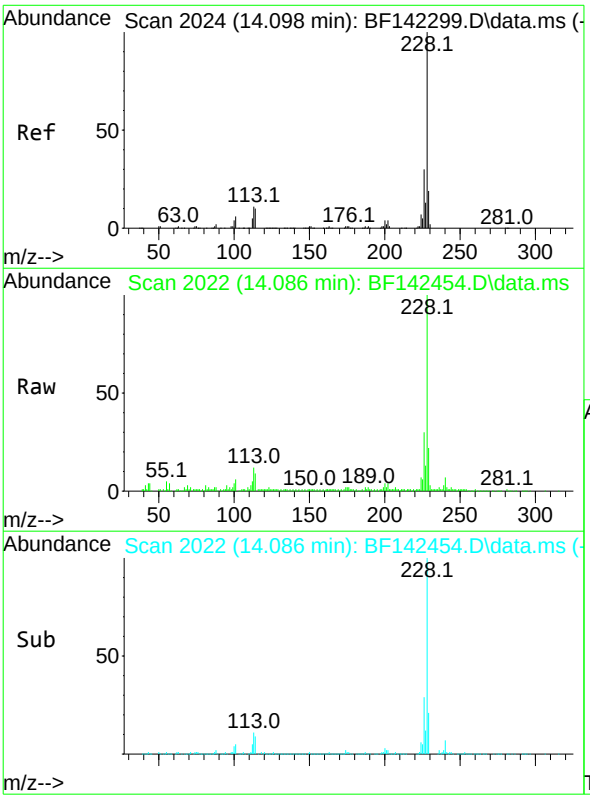
#81
Benzo(a)anthracene
Concen: 7.051 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Tgt Ion:228 Resp: 111681

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.5	32.3
229	21.6	15.9	23.9

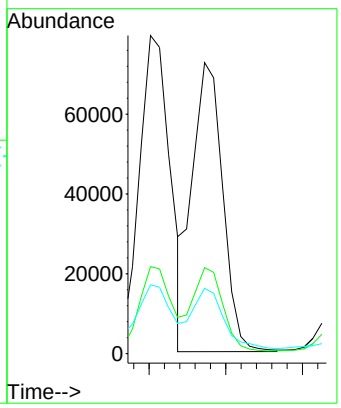


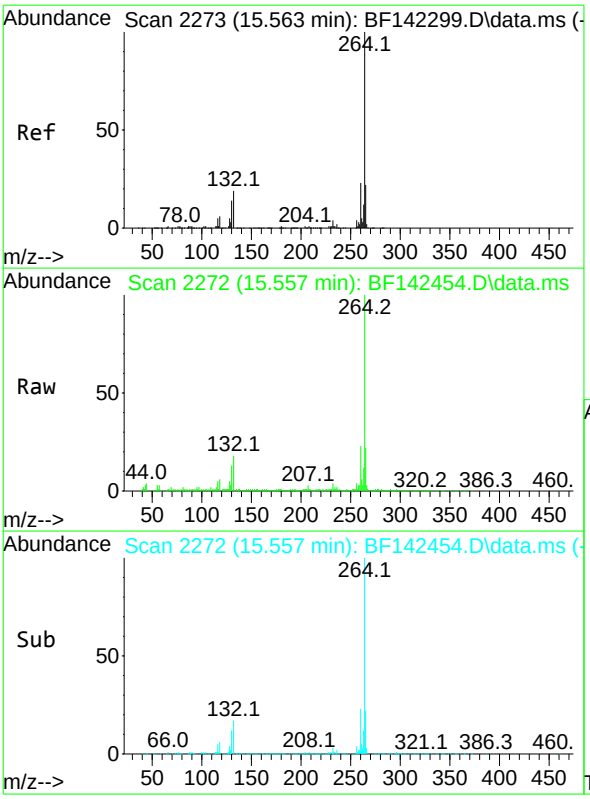


#83
Chrysene
Concen: 6.855 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion:228 Resp: 101083

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	22.4	15.4	23.2



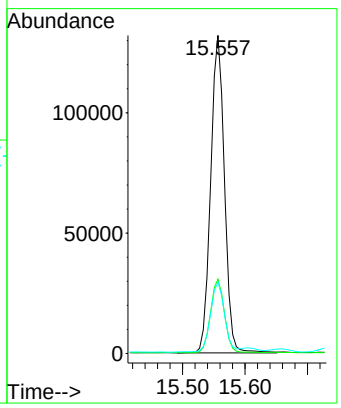


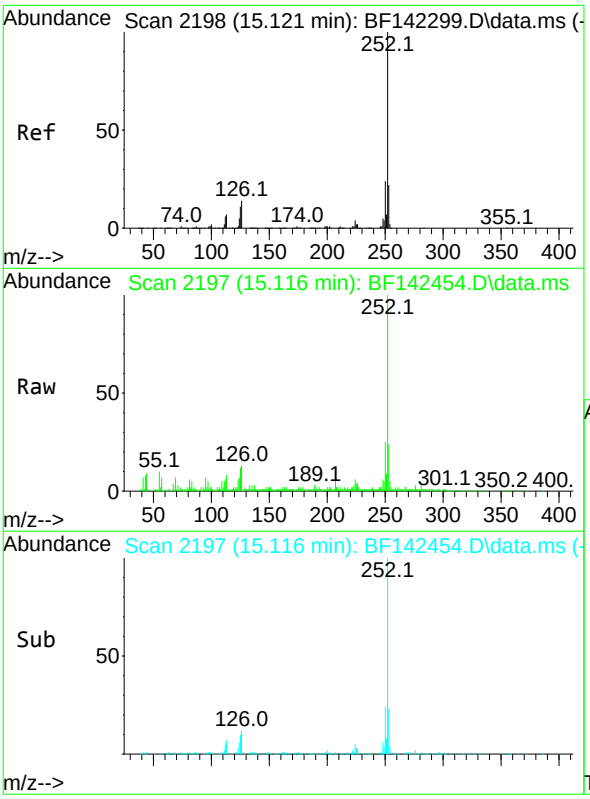
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 22
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Tgt Ion:264 Resp: 202307

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	22.4	17.5	26.3

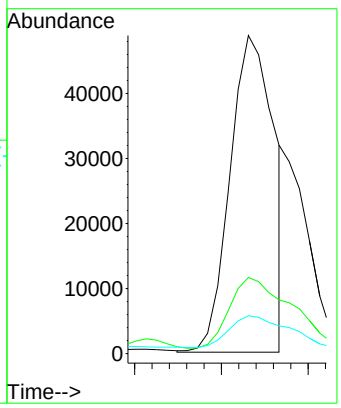


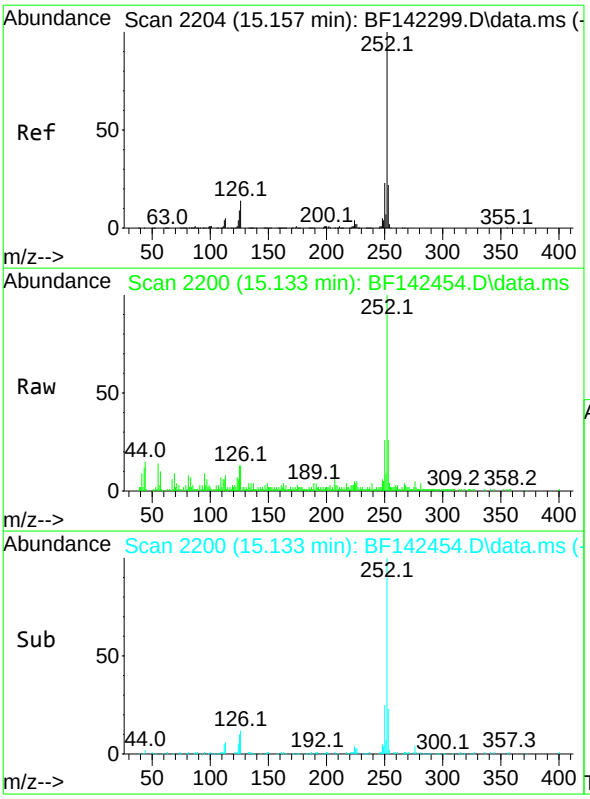


#88
Benzo(b)fluoranthene
Concen: 6.989 ng m
RT: 15.116 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion:252 Resp: 85634

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	11.9	8.7	13.1



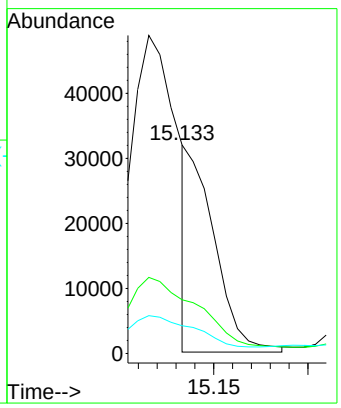


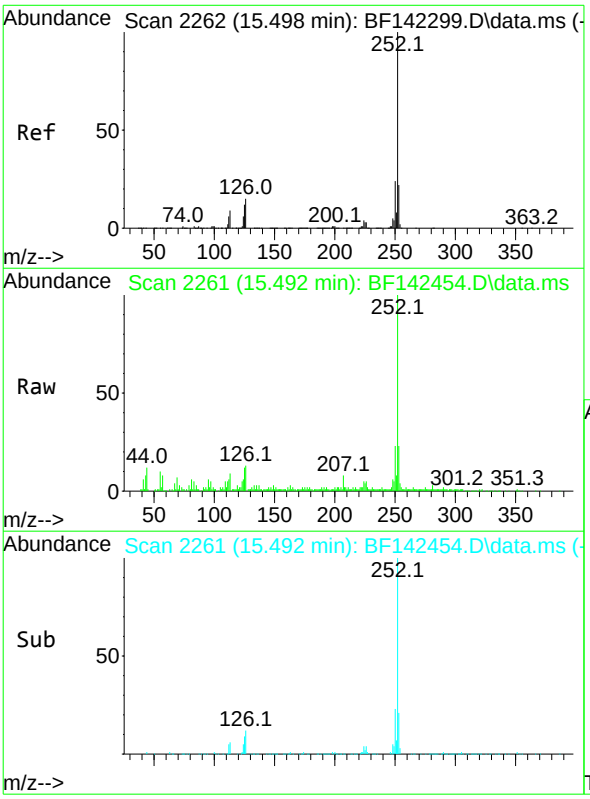
#89
Benzo(k)fluoranthene
Concen: 2.778 ng m
RT: 15.133 min Scan# 22
Delta R.T. -0.024 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Tgt Ion:252 Resp: 31146

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.6	26.4
125	13.3	8.1	12.1#

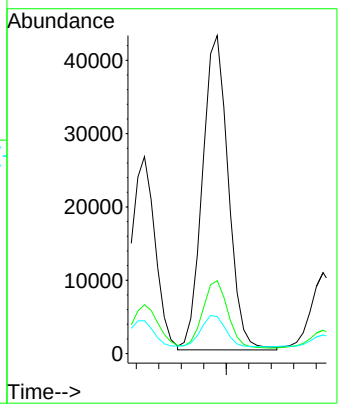


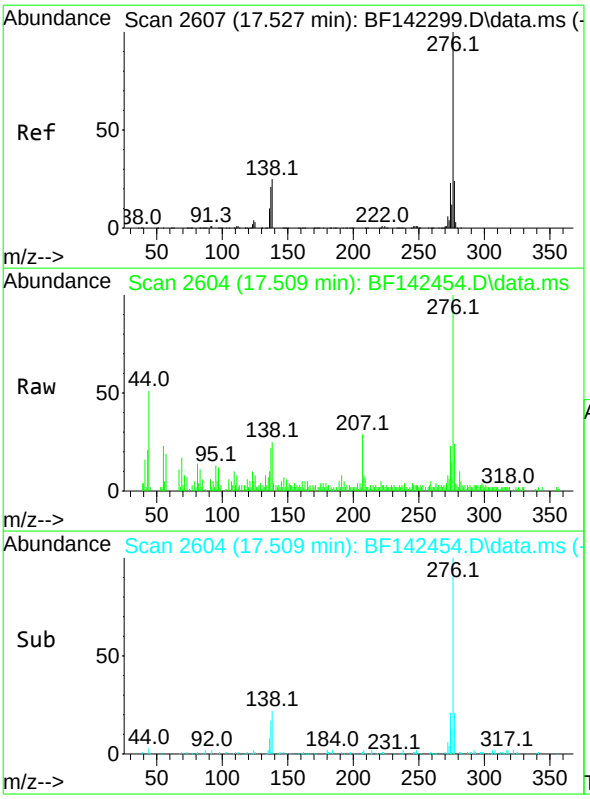


#90
Benzo(a)pyrene
Concen: 6.241 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Tgt Ion:252 Resp: 68527

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	11.7	9.4	14.0





#92
Benzo(g,h,i)perylene
Concen: 2.358 ng
RT: 17.509 min Scan# 26
Delta R.T. -0.018 min
Lab File: BF142454.D
Acq: 19 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Tgt Ion:276 Resp: 27205

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.0	28.6
138	25.2	19.8	29.6