Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143067.D
Acq On : 09 Jul 2025 20:34
Operator : RC/JU
Sample : Q2487-16 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
G1(6-12)

Quant Time: Jul 10 00:58:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	45228	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	159788	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	70306	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	107884	20.000	ng	0.00
76) Chrysene-d12	14.051	240	119286	20.000	ng	0.00
86) Perylene-d12	15.545	264	77504	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	30498	11.227	ng	0.00
7) Phenol-d6	6.504	99	36252	11.311	ng	0.00
23) Nitrobenzene-d5	7.434	82	21540	7.394	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	6743	9.320	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	42262	7.897	ng	-0.02
79) Terphenyl-d14	12.986	244	45867	5.313	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.428	178	81242	13.902	ng	99
72) Anthracene	11.480	178	20608	3.438	ng	97
75) Fluoranthene	12.622	202	124150	22.384	ng	99
78) Pyrene	12.851	202	107901	9.650	ng	100
81) Benzo(a)anthracene	14.039	228	51670	6.421	ng	96
83) Chrysene	14.074	228	42774	5.957	ng	96
87) Indeno(1,2,3-cd)pyrene	17.062	276	13686	2.318	ng	96
88) Benzo(b)fluoranthene	15.110	252	33554m	7.482	ng	
89) Benzo(k)fluoranthene	15.121	252	14850m	3.539	ng	
90) Benzo(a)pyrene	15.486	252	25149	5.805	ng	99
92) Benzo(g,h,i)perylene	17.521	276	13218	2.764	ng	96

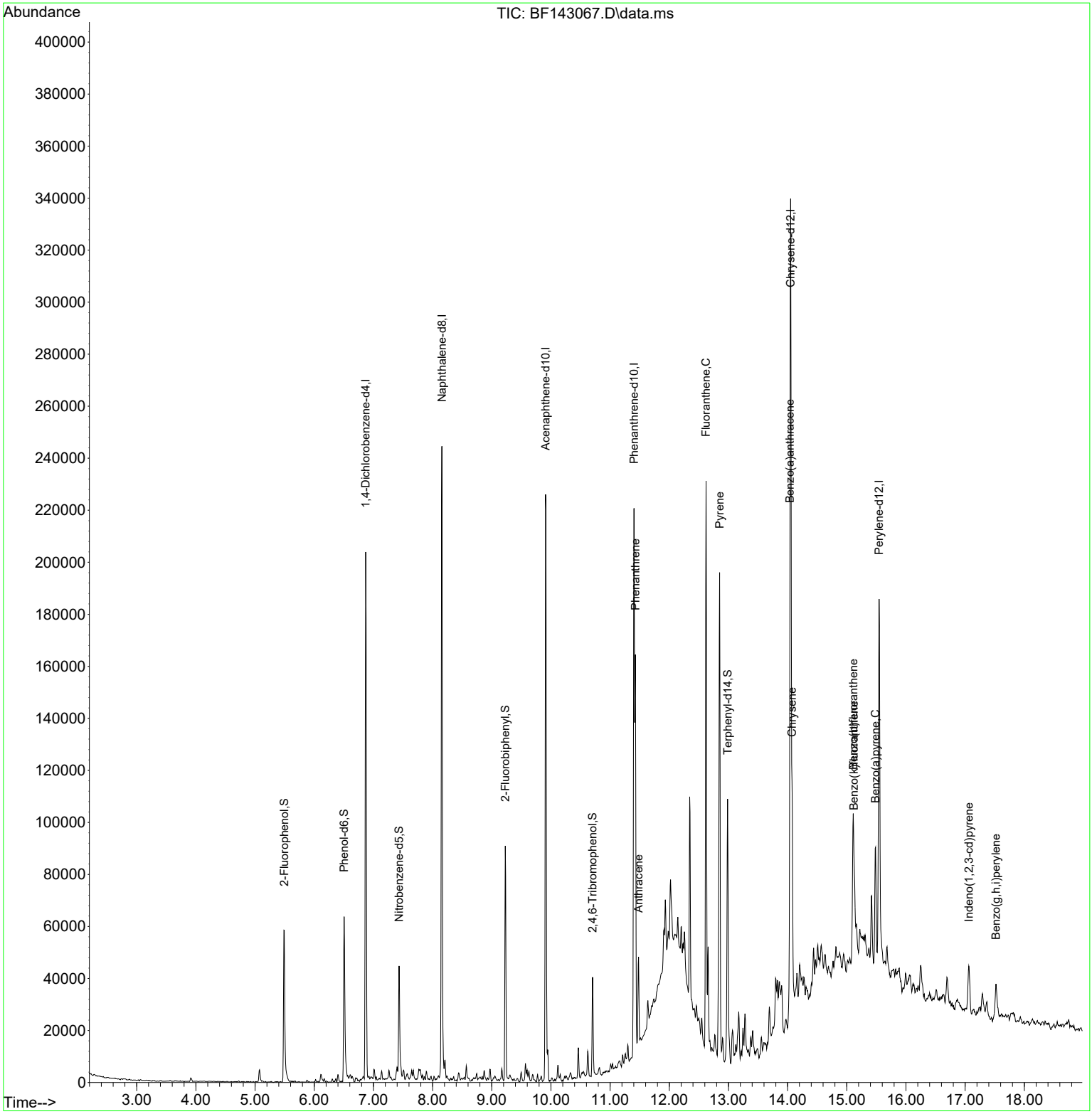
(#) = qualifier out of range (m) = manual integration (+) = signals summed

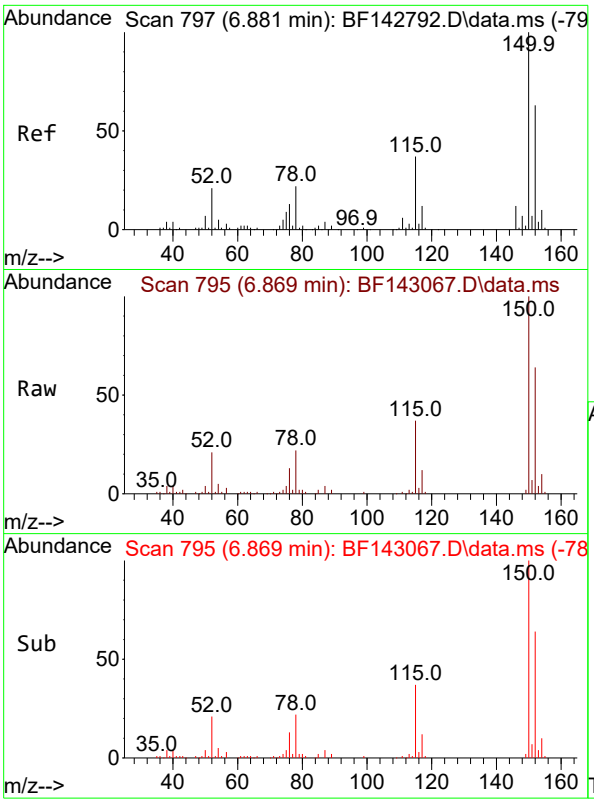
Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143067.D
Acq On : 09 Jul 2025 20:34
Operator : RC/JU
Sample : Q2487-16 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
G1(6-12)

Quant Time: Jul 10 00:58:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



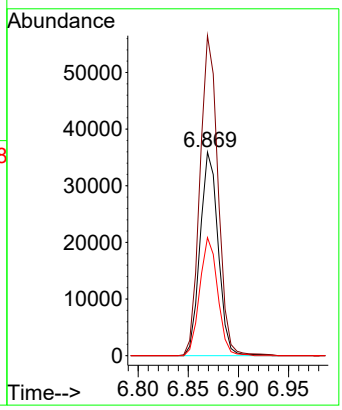


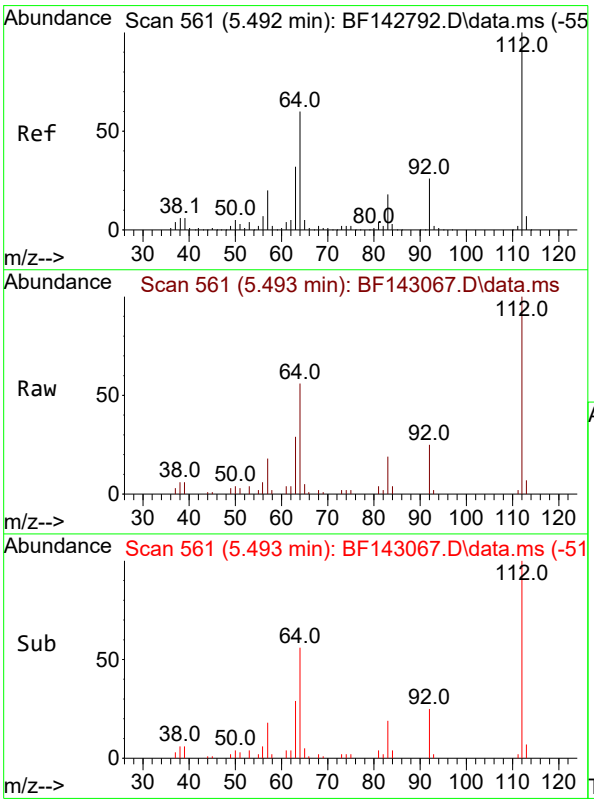
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Instrument :
BNA_F
ClientSampleId :
G1(6-12)

Tgt Ion:152 Resp: 45228

Ion	Ratio	Lower	Upper
152	100		
150	157.3	127.2	190.8
115	58.0	46.6	69.8

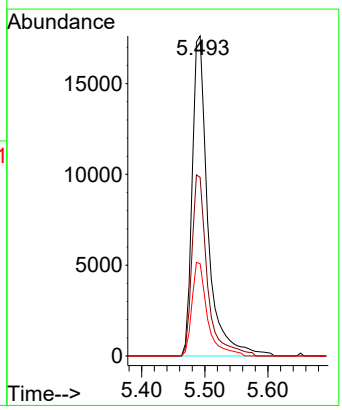


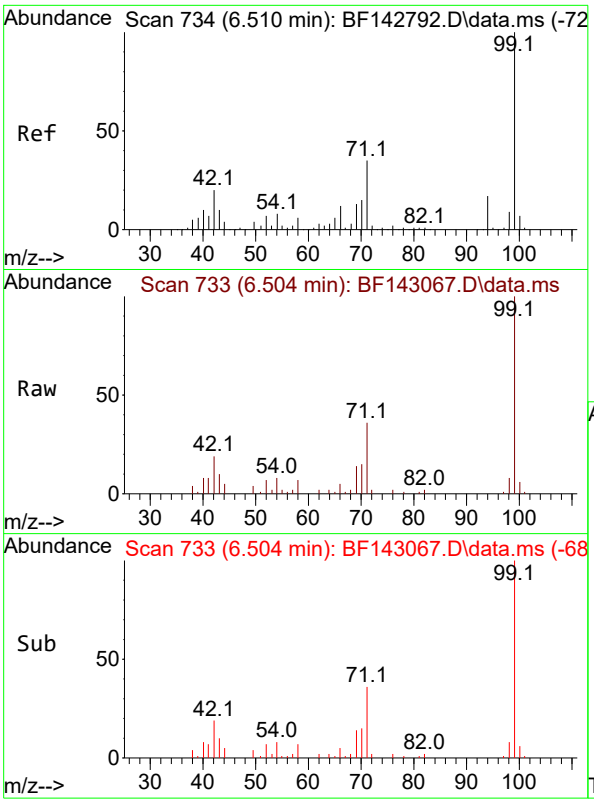


#5
2-Fluorophenol
Concen: 11.227 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Tgt Ion:112 Resp: 30498

Ion	Ratio	Lower	Upper
112	100		
64	55.8	48.2	72.2
63	28.9	25.7	38.5



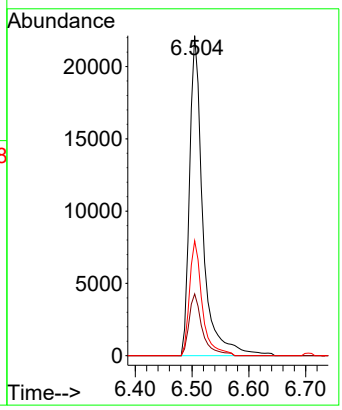


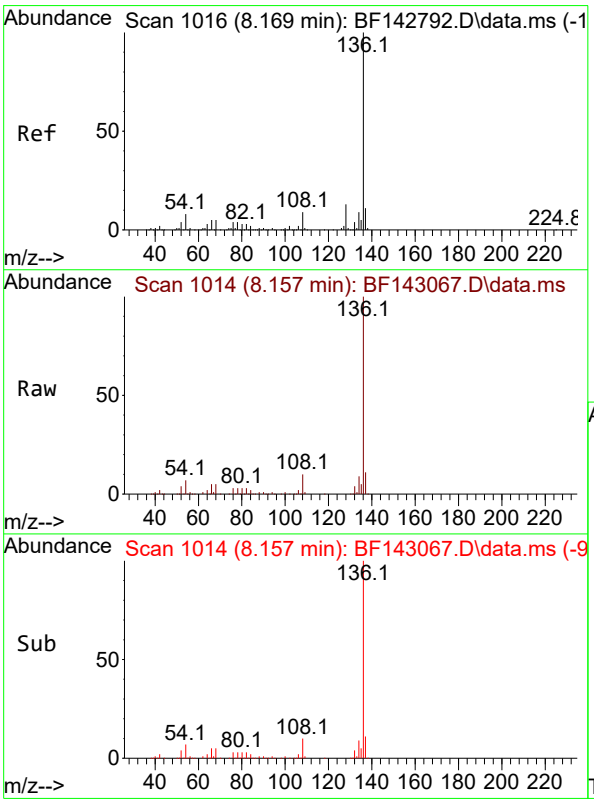
#7
Phenol-d6
Concen: 11.311 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Instrument :
BNA_F
ClientSampleId :
G1(6-12)

Tgt Ion: 99 Resp: 36252

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.9	23.9
71	35.9	27.8	41.8

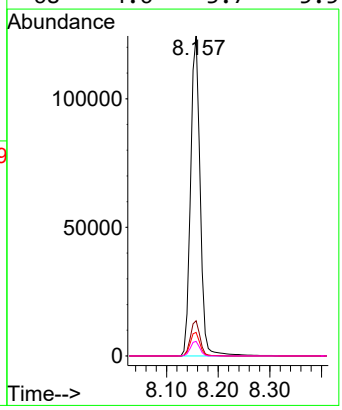


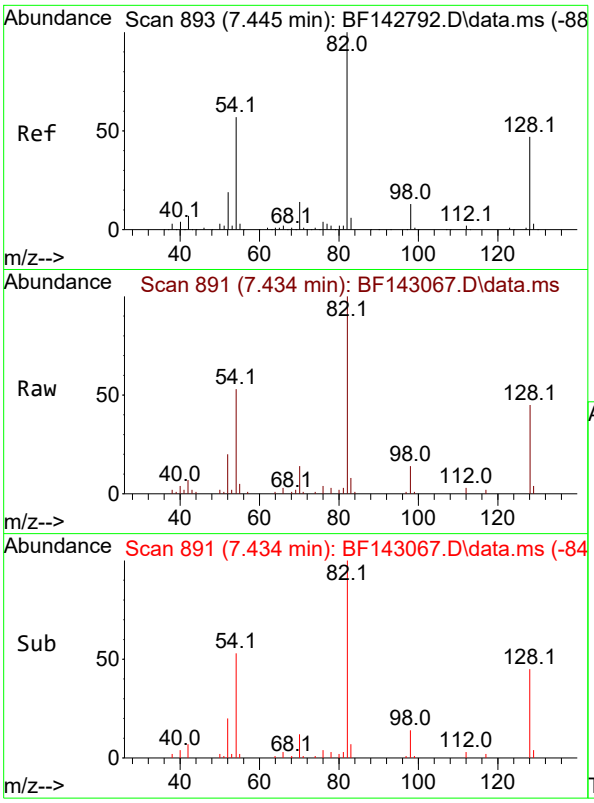


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Tgt Ion:136 Resp: 159788

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.4	6.3	9.5
68	4.6	3.7	5.5



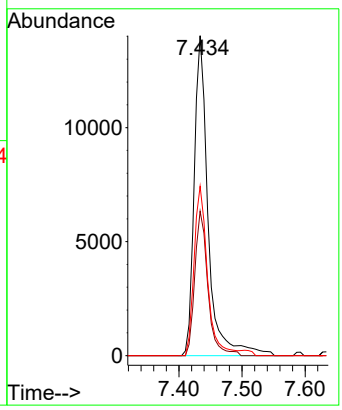


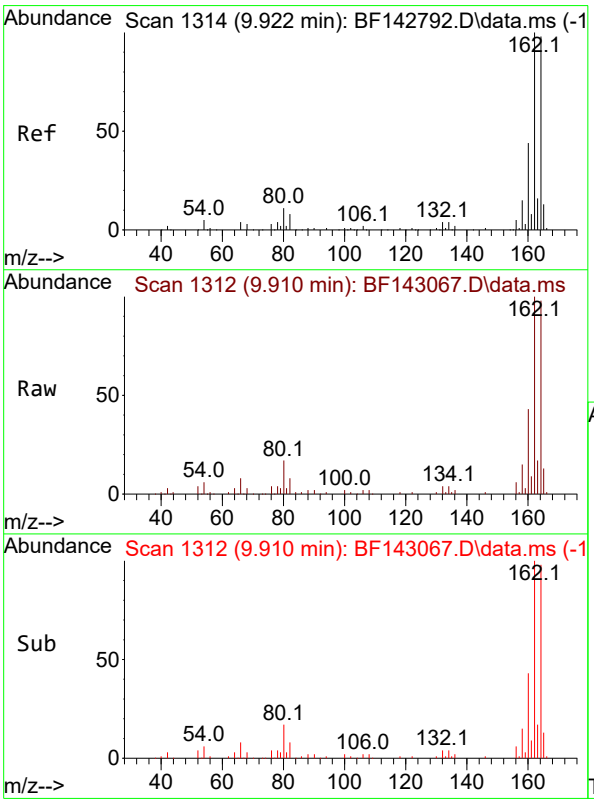
#23
Nitrobenzene-d5
Concen: 7.394 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Instrument :
BNA_F
ClientSampleId :
G1(6-12)

Tgt Ion: 82 Resp: 21540

Ion	Ratio	Lower	Upper
82	100		
128	45.1	37.7	56.5
54	52.9	45.7	68.5

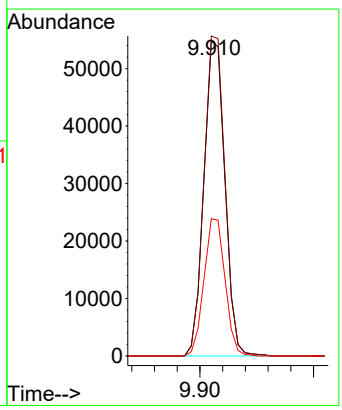


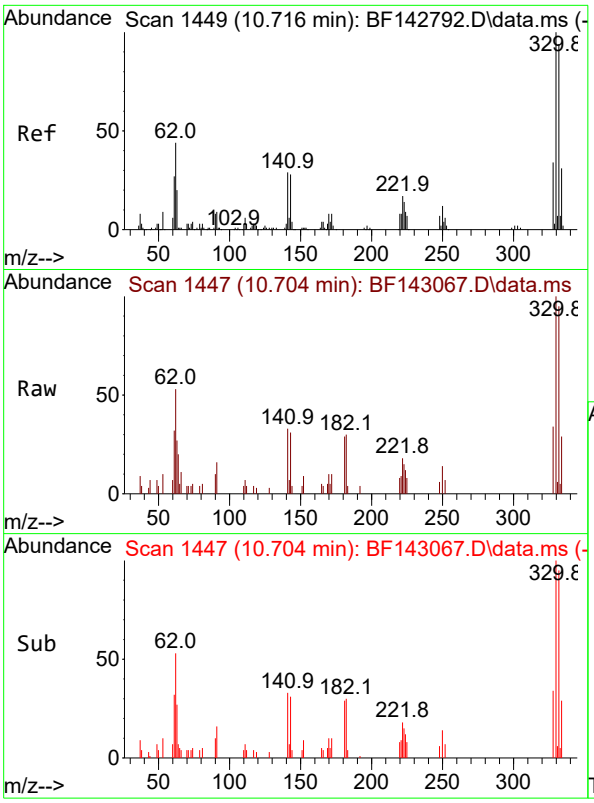


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Tgt Ion:164 Resp: 70306

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.8	122.8
160	43.6	36.0	54.0



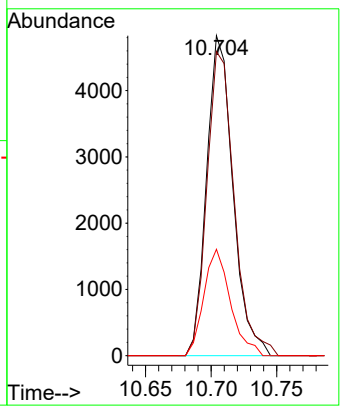


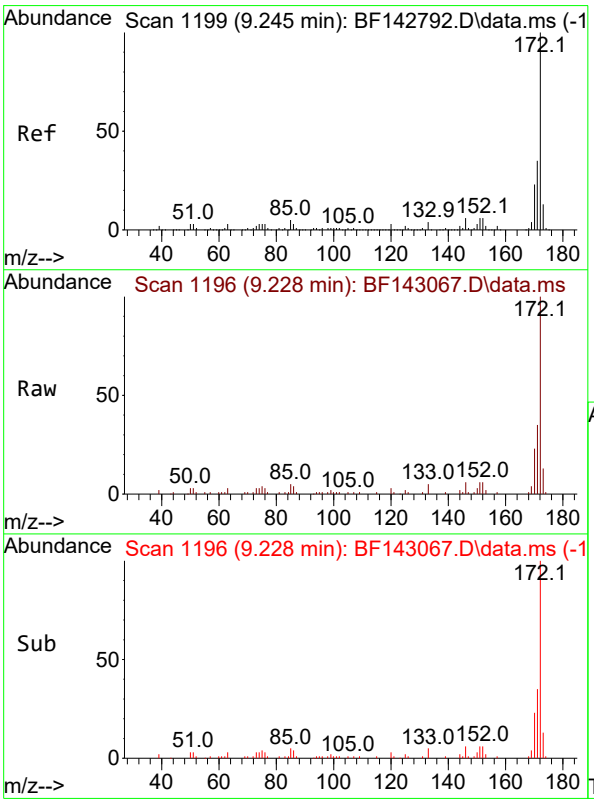
#42
2,4,6-Tribromophenol
Concen: 9.320 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Instrument :
BNA_F
ClientSampleId :
G1(6-12)

Tgt Ion:330 Resp: 6743

Ion	Ratio	Lower	Upper
330	100		
332	98.4	75.0	112.6
141	33.7	25.3	37.9

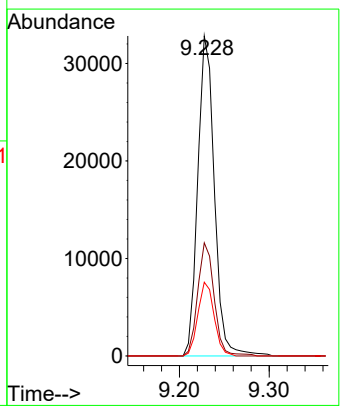


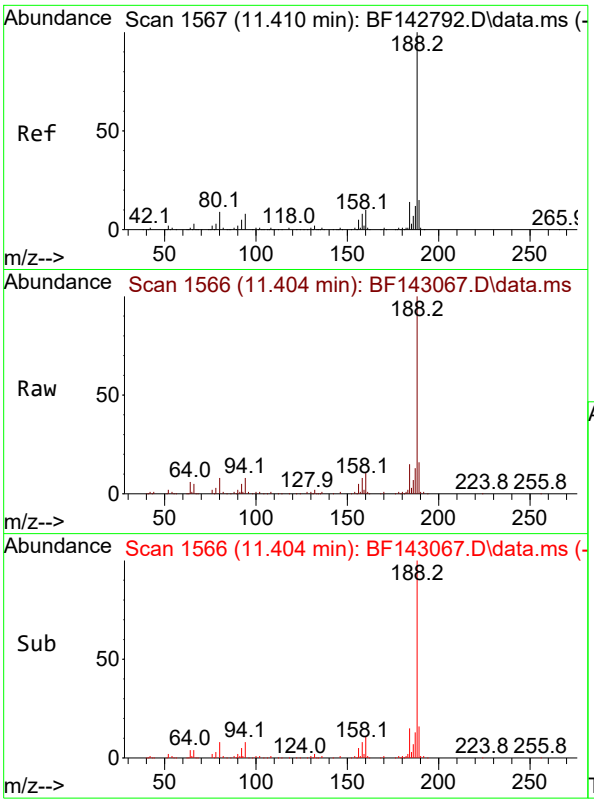


#45
2-Fluorobiphenyl
Concen: 7.897 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Tgt Ion:172 Resp: 42262

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.0	18.5	27.7



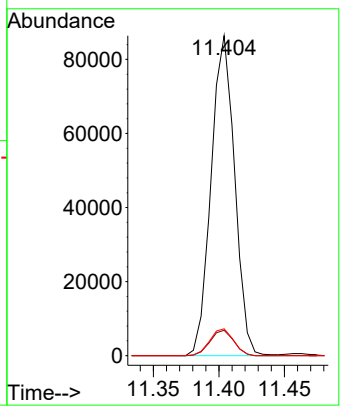


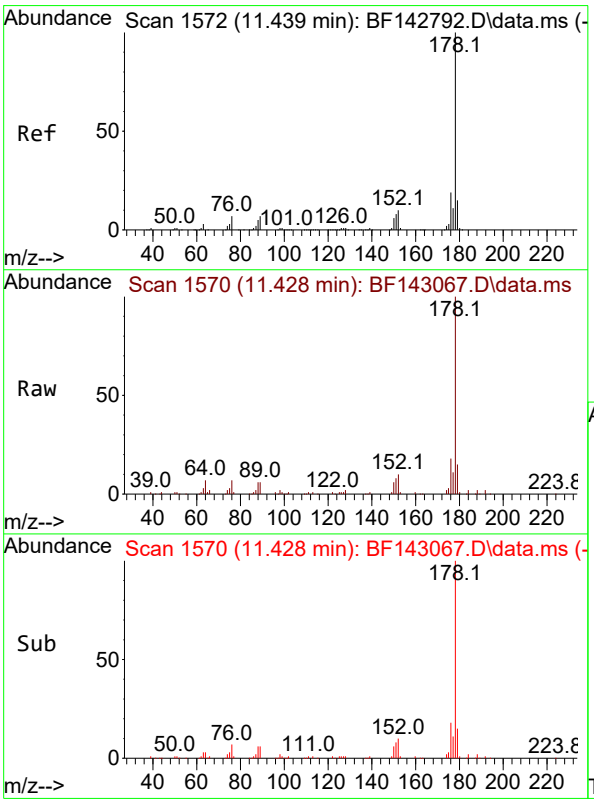
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Instrument :
BNA_F
ClientSampleId :
G1(6-12)

Tgt Ion:188 Resp: 107884

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.7	10.1
80	8.4	6.9	10.3

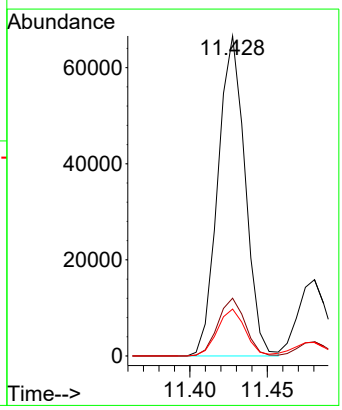


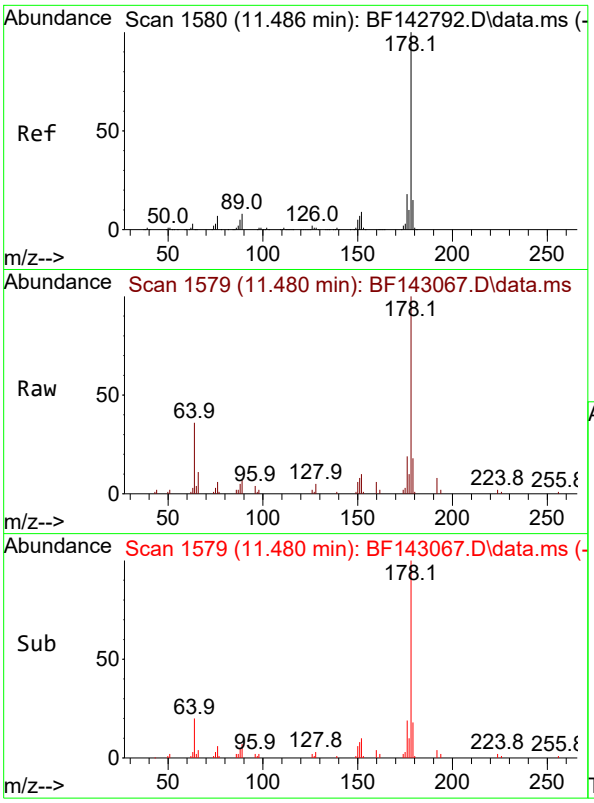


#71
Phenanthrene
Concen: 13.902 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Tgt Ion:178 Resp: 81242

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.1	22.7
179	14.7	12.0	18.0



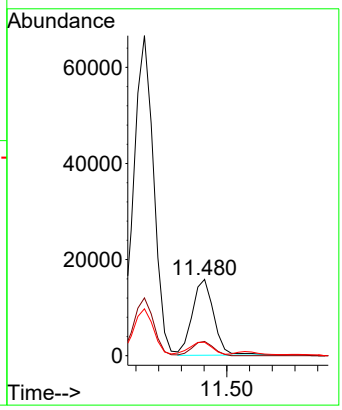


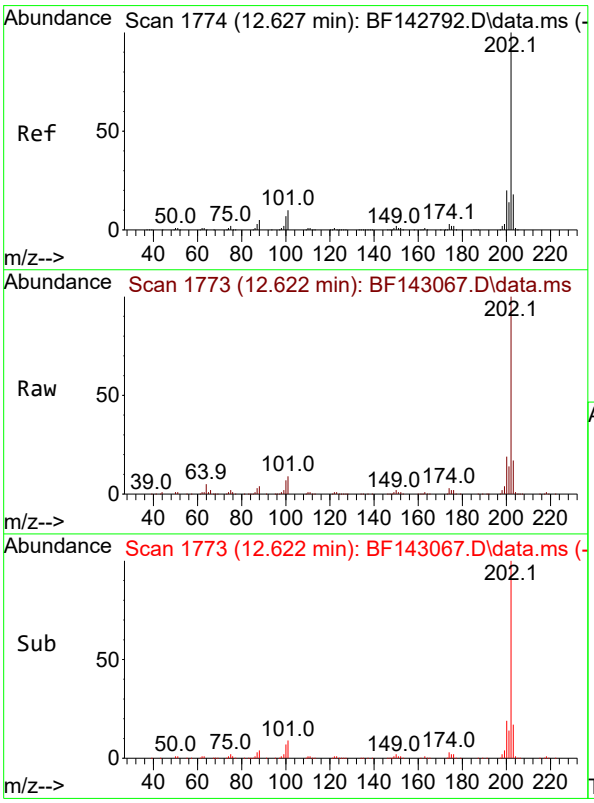
#72
Anthracene
Concen: 3.438 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Instrument :
BNA_F
ClientSampleId :
G1(6-12)

Tgt Ion:178 Resp: 20608

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	17.6	12.4	18.6

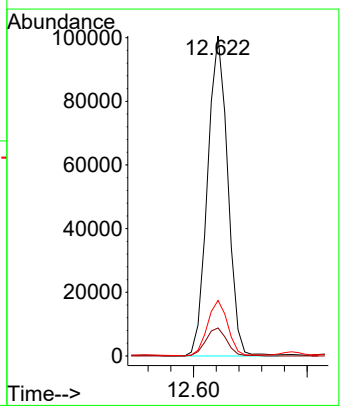


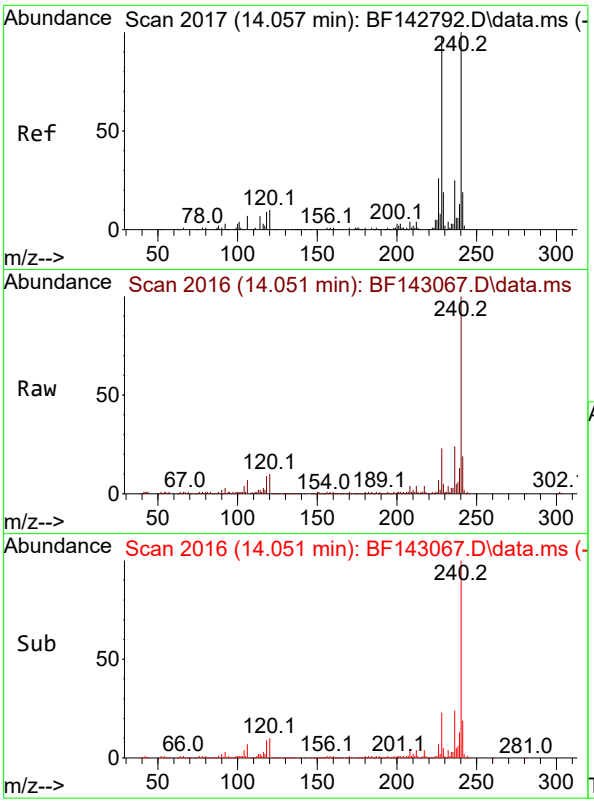


#75
Fluoranthene
Concen: 22.384 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Tgt Ion:202 Resp: 124150

Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	29.7
203	17.3	0.0	37.5



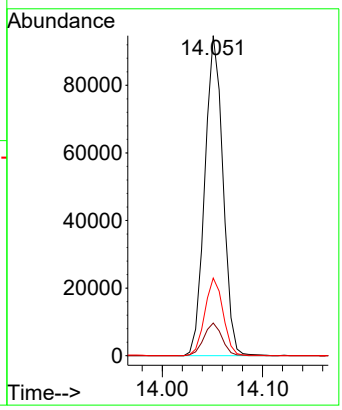


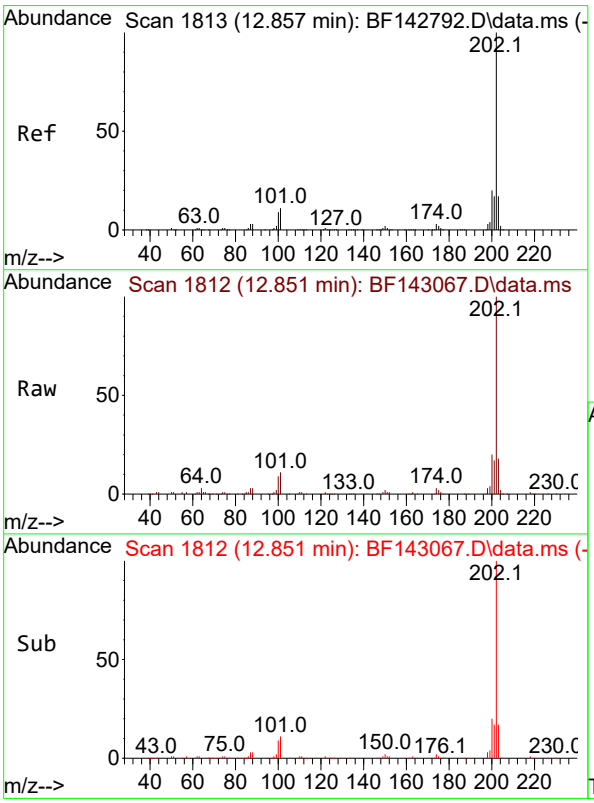
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Instrument :
BNA_F
ClientSampleId :
G1(6-12)

Tgt Ion:240 Resp: 119286

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	24.2	19.8	29.8

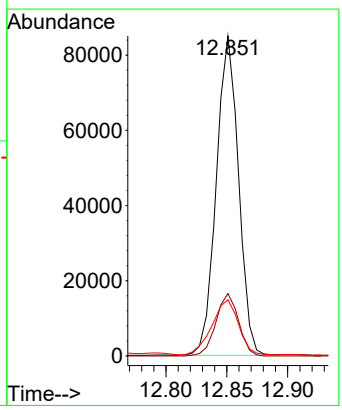


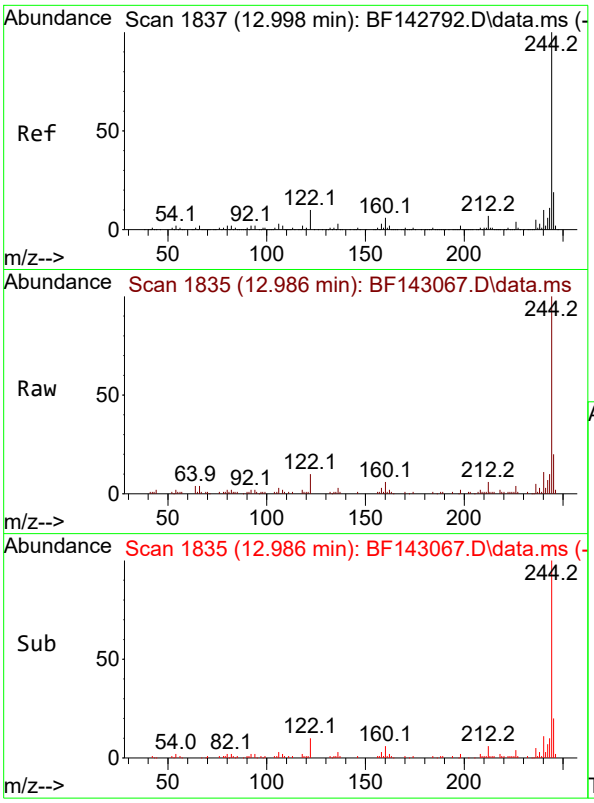


#78
Pyrene
Concen: 9.650 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Tgt Ion:202 Resp: 107901

Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.7	23.5
203	17.6	13.8	20.6



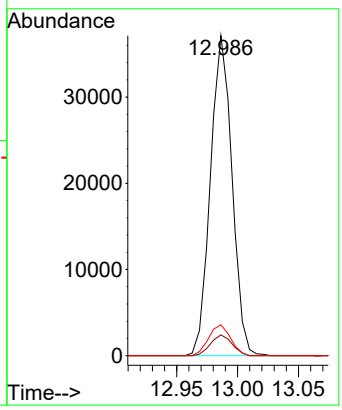


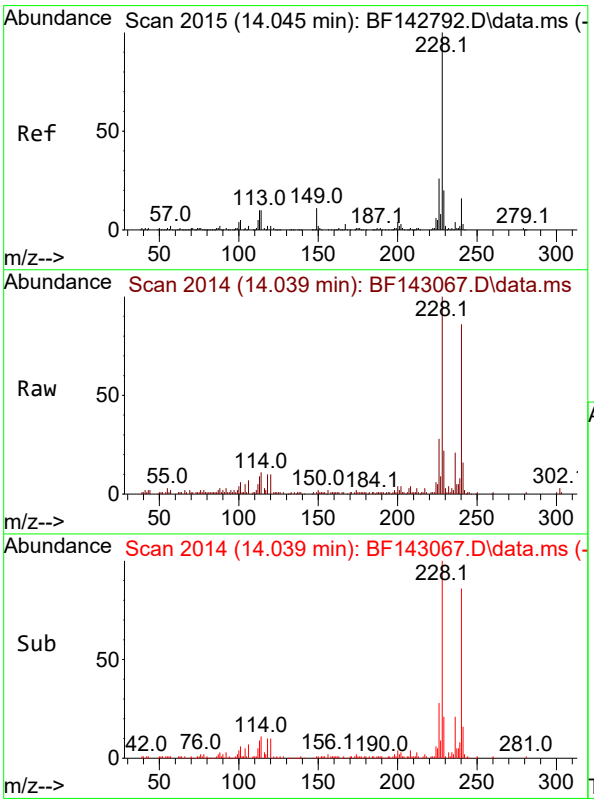
#79
Terphenyl-d14
Concen: 5.313 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Instrument :
BNA_F
ClientSampleId :
G1(6-12)

Tgt Ion:244 Resp: 45867

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.7	8.2	12.2

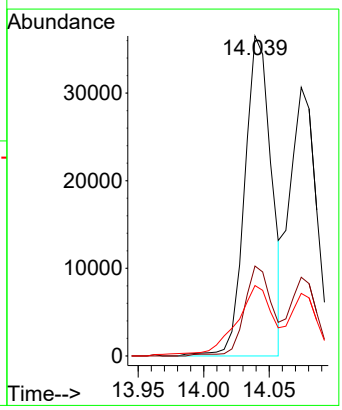


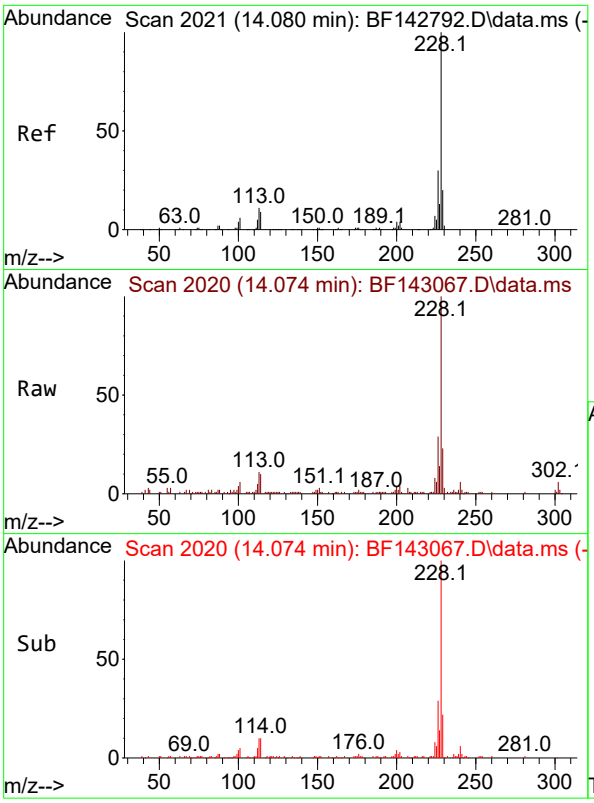


#81
Benzo(a)anthracene
Concen: 6.421 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Tgt Ion:228 Resp: 51670

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.2	31.8
229	22.0	15.6	23.4



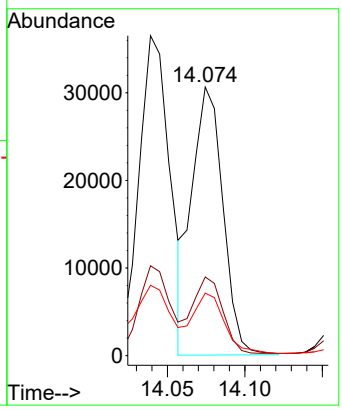


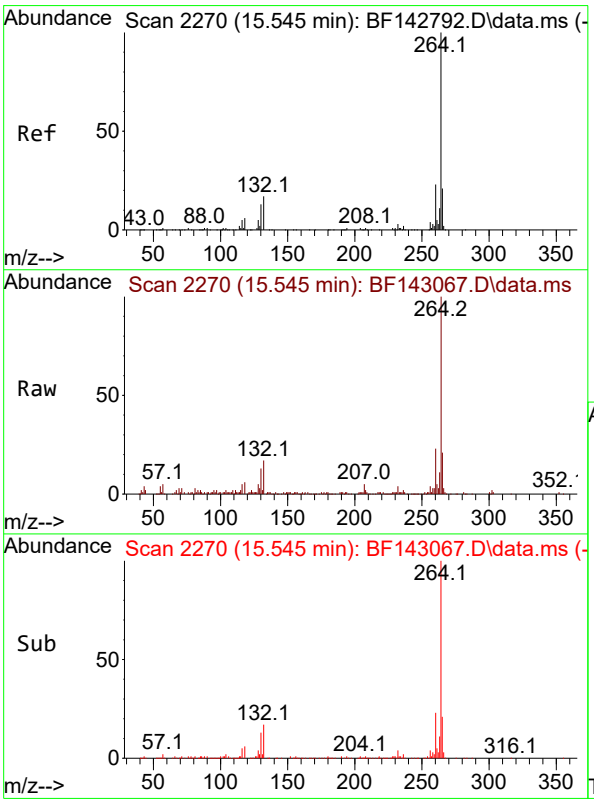
#83
Chrysene
Concen: 5.957 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Instrument :
BNA_F
ClientSampleId :
G1(6-12)

Tgt Ion:228 Resp: 42774

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.7	35.5
229	23.3	15.7	23.5

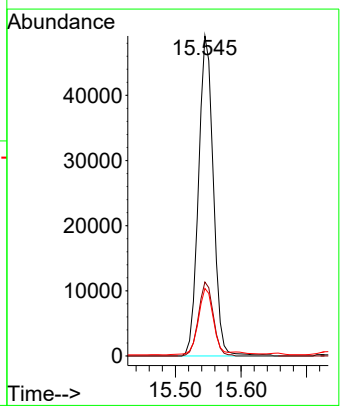


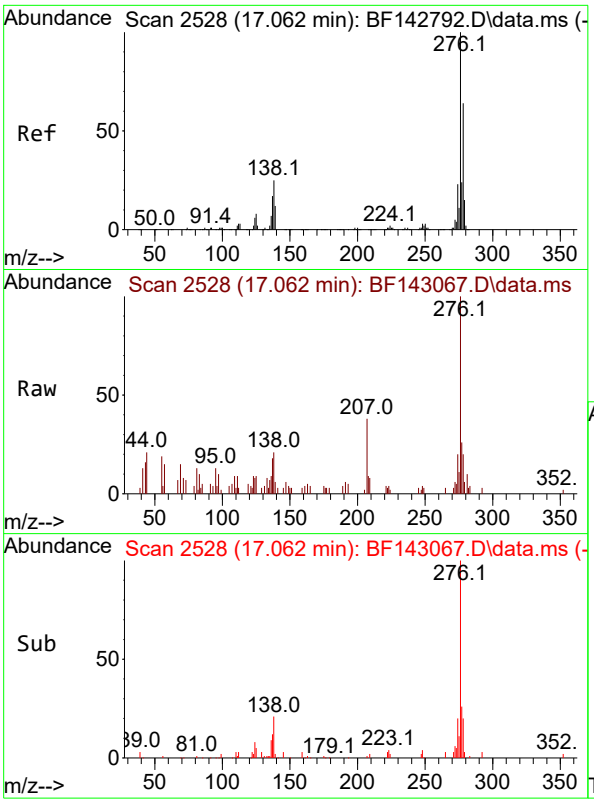


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Tgt Ion:264 Resp: 77504

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.1	27.1
265	21.1	16.6	25.0



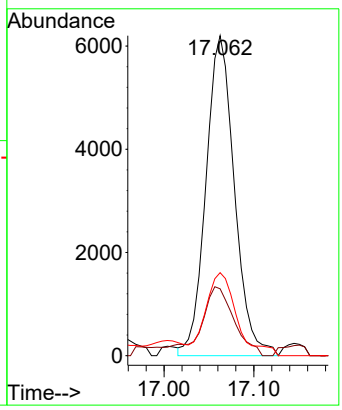


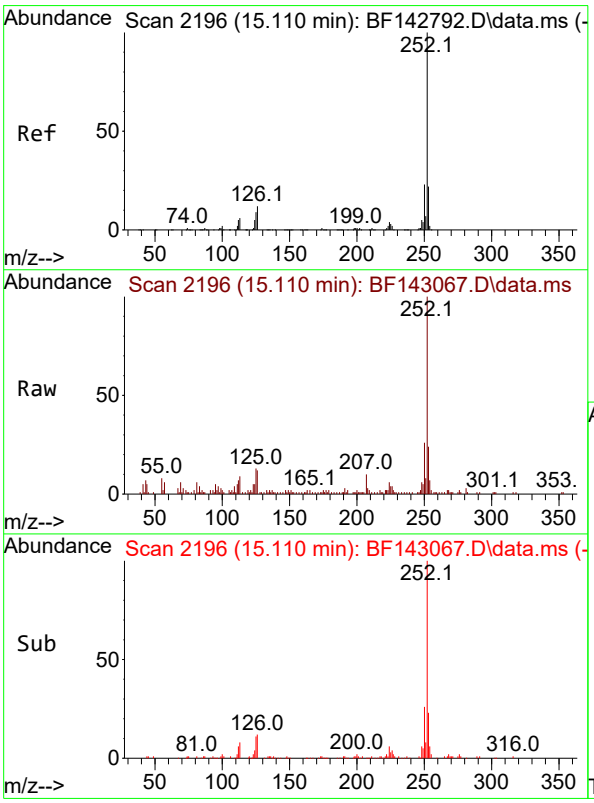
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.318 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Instrument :
BNA_F
ClientSampleId :
G1(6-12)

Tgt Ion:276 Resp: 13686

Ion	Ratio	Lower	Upper
276	100		
138	24.9	20.2	30.4
277	28.0	19.8	29.6

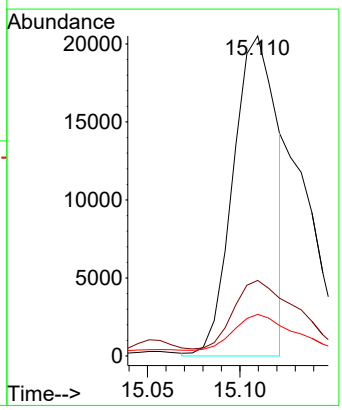


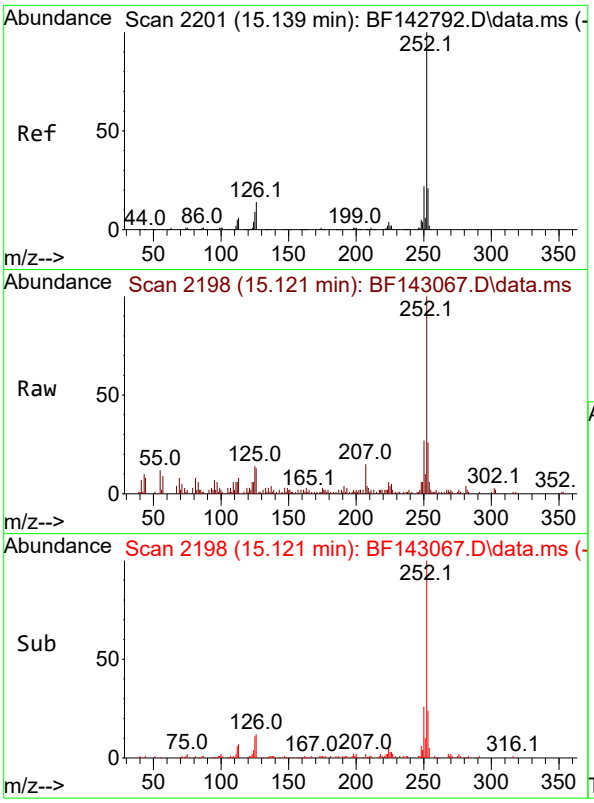


#88
Benzo(b)fluoranthene
Concen: 7.482 ng m
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Tgt Ion:252 Resp: 33554

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	13.0	7.4	11.0#



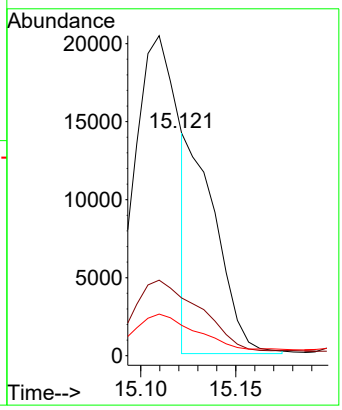


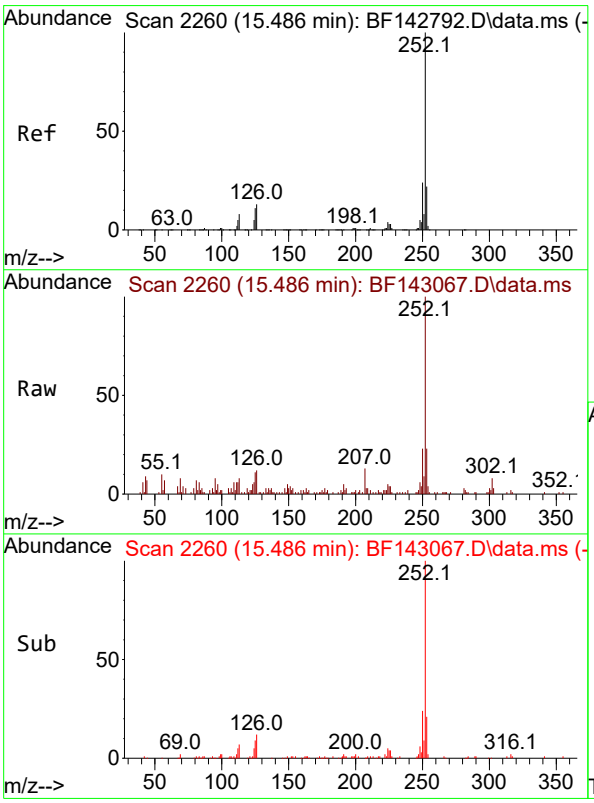
#89
Benzo(k)fluoranthene
Concen: 3.539 ng m
RT: 15.121 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Instrument :
BNA_F
ClientSampleId :
G1(6-12)

Tgt Ion:252 Resp: 14850

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.2	25.8#
125	13.6	7.4	11.2#

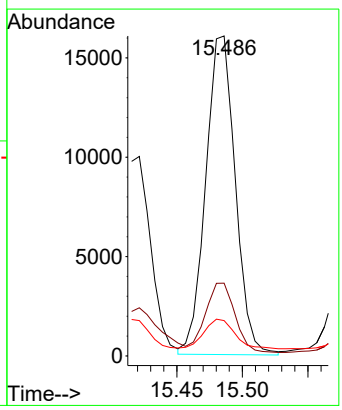


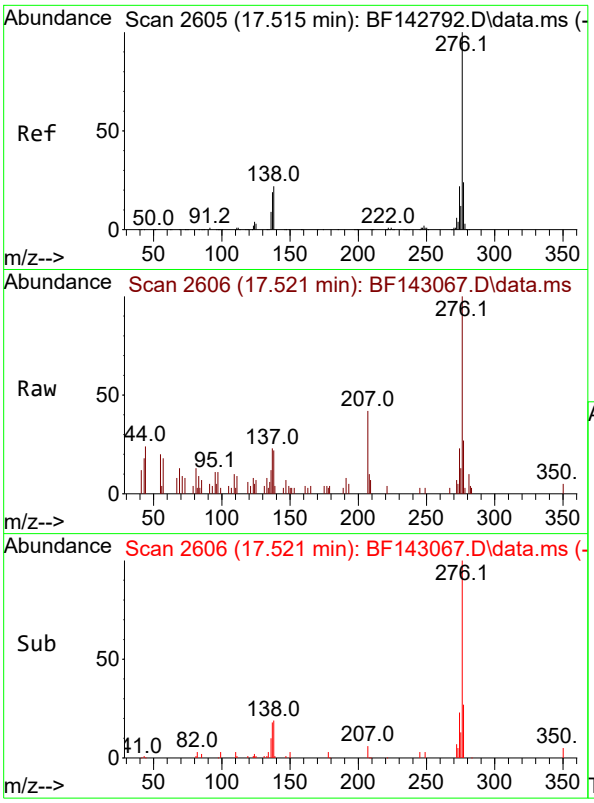


#90
Benzo(a)pyrene
Concen: 5.805 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Tgt Ion:252 Resp: 25149

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	11.0	8.6	12.8





#92
Benzo(g,h,i)perylene
Concen: 2.764 ng
RT: 17.521 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143067.D
Acq: 09 Jul 2025 20:34

Instrument :
BNA_F
ClientSampleId :
G1(6-12)

Tgt Ion:276 Resp: 13218

Ion	Ratio	Lower	Upper
276	100		
277	27.3	18.8	28.2
138	21.5	17.6	26.4