Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142977.D
Acq On : 02 Jul 2025 18:20
Operator : RC/JU
Sample : Q2458-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-66

Quant Time: Jul 02 18:40:58 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	55670	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	209987	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	105779	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	154994	20.000	ng	0.00
76) Chrysene-d12	14.051	240	110689	20.000	ng	0.00
86) Perylene-d12	15.539	264	101919	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	231772	69.316	ng	0.00
7) Phenol-d6	6.498	99	281451	71.345	ng	-0.01
23) Nitrobenzene-d5	7.434	82	169665	44.318	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	69711	64.041	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	337312	41.891	ng	-0.02
79) Terphenyl-d14	12.986	244	228076	28.470	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.428	178	27035	3.220	ng	98
75) Fluoranthene	12.616	202	130342	16.358	ng	99
78) Pyrene	12.851	202	179849	17.334	ng	99
81) Benzo(a)anthracene	14.039	228	109600	14.678	ng	95
83) Chrysene	14.074	228	100071	15.019	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	34234	4.410	ng	96
88) Benzo(b)fluoranthene	15.104	252	120161m	20.375	ng	
89) Benzo(k)fluoranthene	15.121	252	35508m	6.435	ng	
90) Benzo(a)pyrene	15.480	252	82011	14.395	ng	98
92) Benzo(g,h,i)perylene	17.504	276	35460	5.638	ng	99

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

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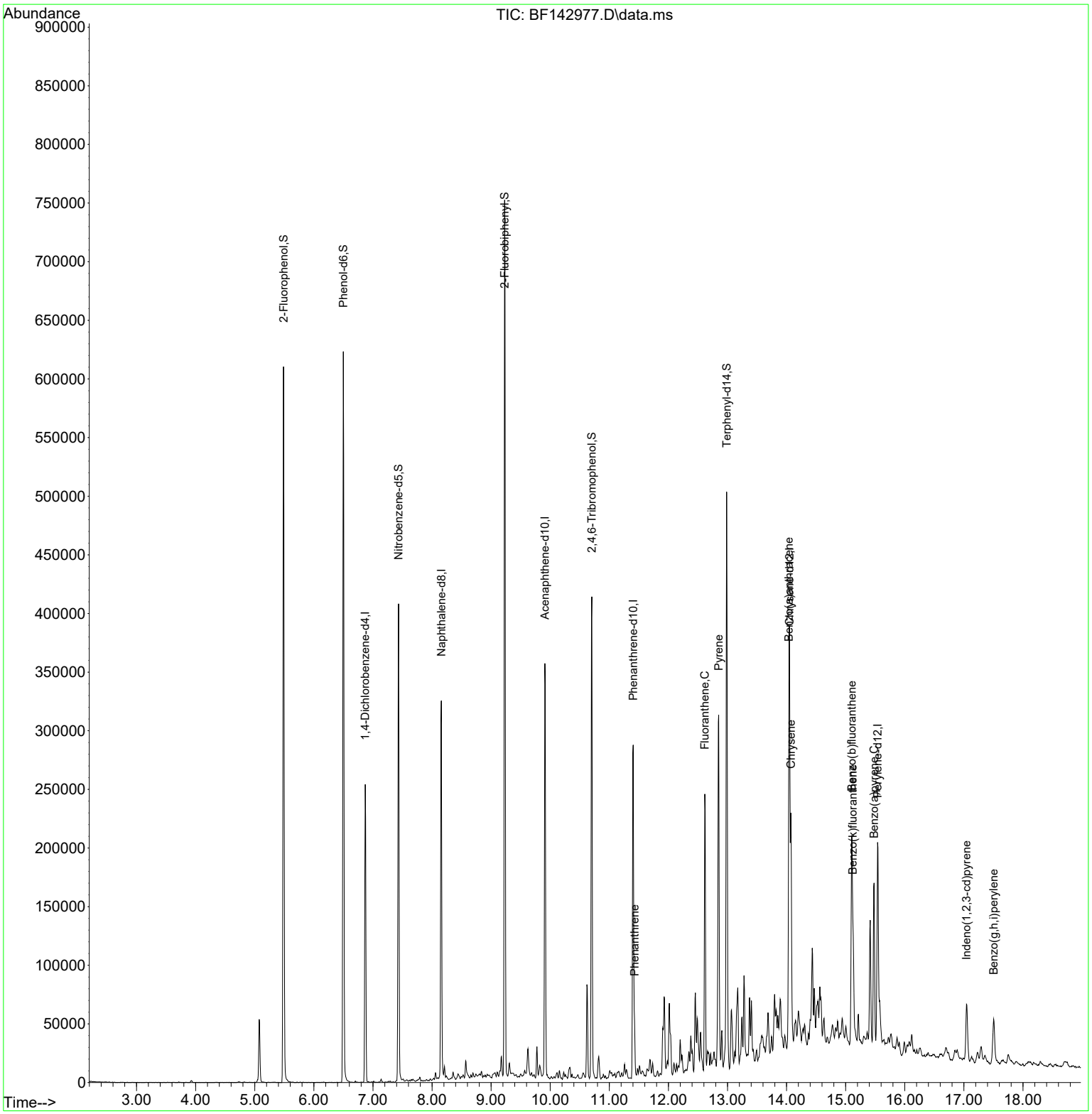
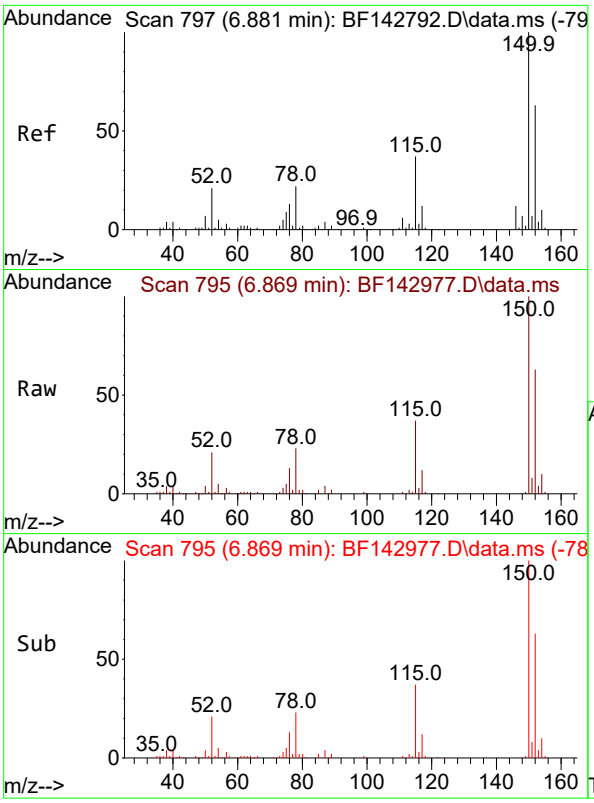


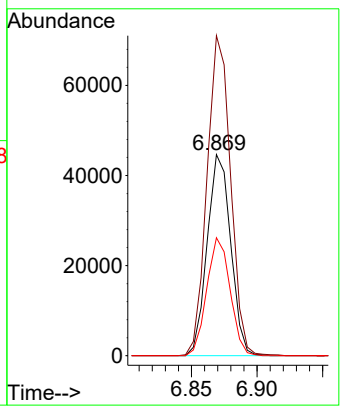


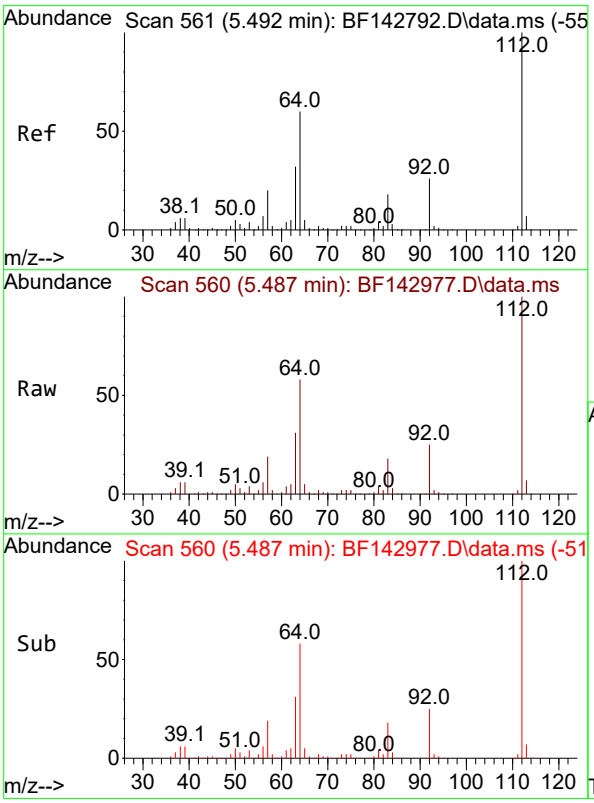
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:152 Resp: 55670

Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.2	190.8
115	58.6	46.6	69.8

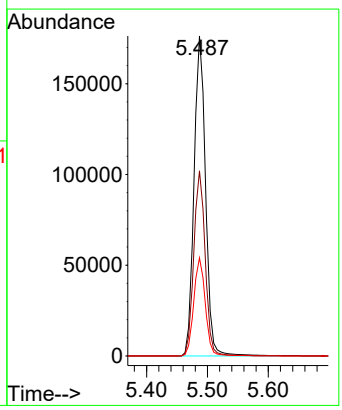


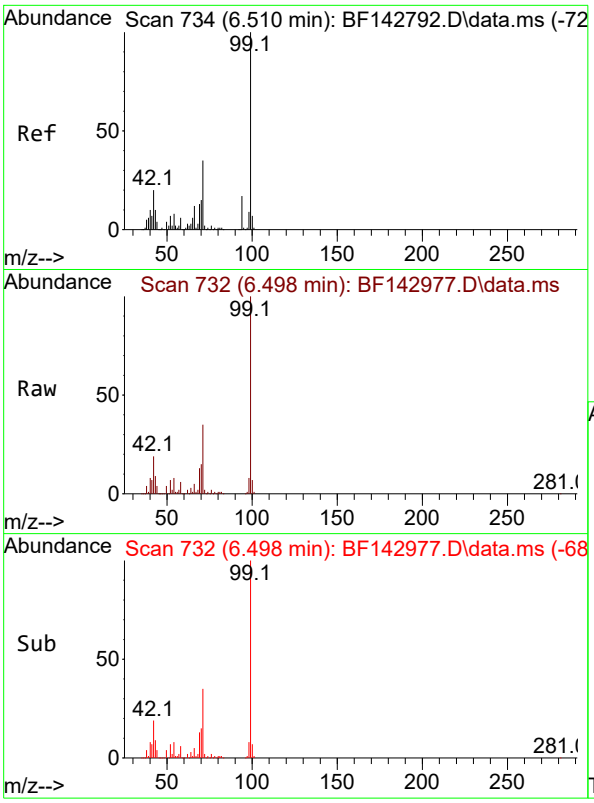


#5
2-Fluorophenol
Concen: 69.316 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:112 Resp: 231772

Ion	Ratio	Lower	Upper
112	100		
64	57.8	48.2	72.2
63	30.7	25.7	38.5



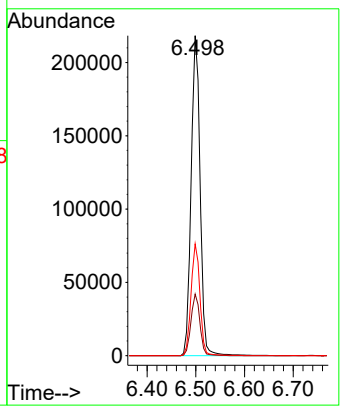


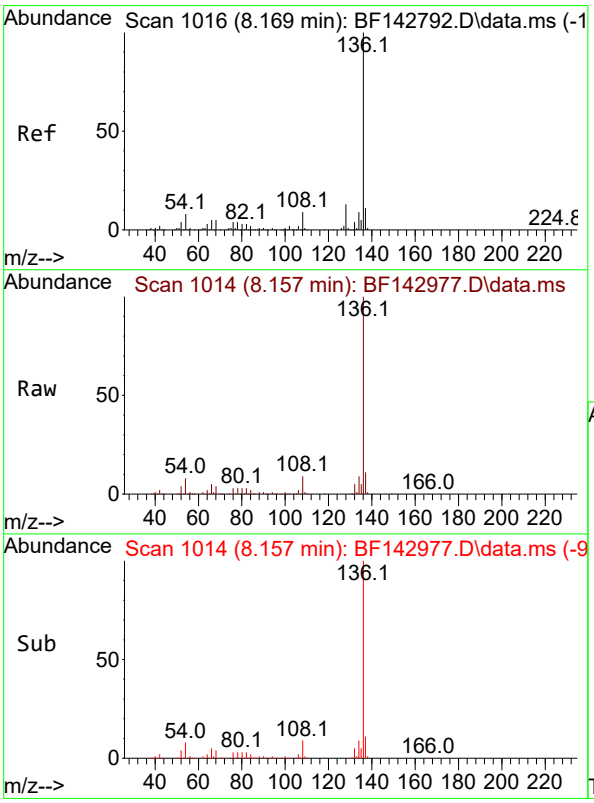
#7
Phenol-d6
Concen: 71.345 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion: 99 Resp: 281451

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.9	23.9
71	34.9	27.8	41.8

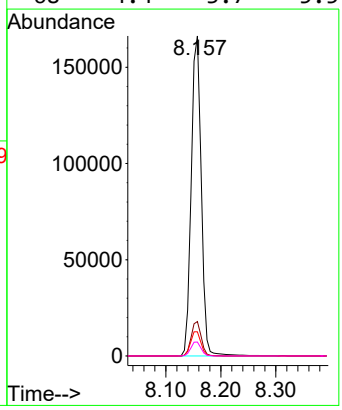


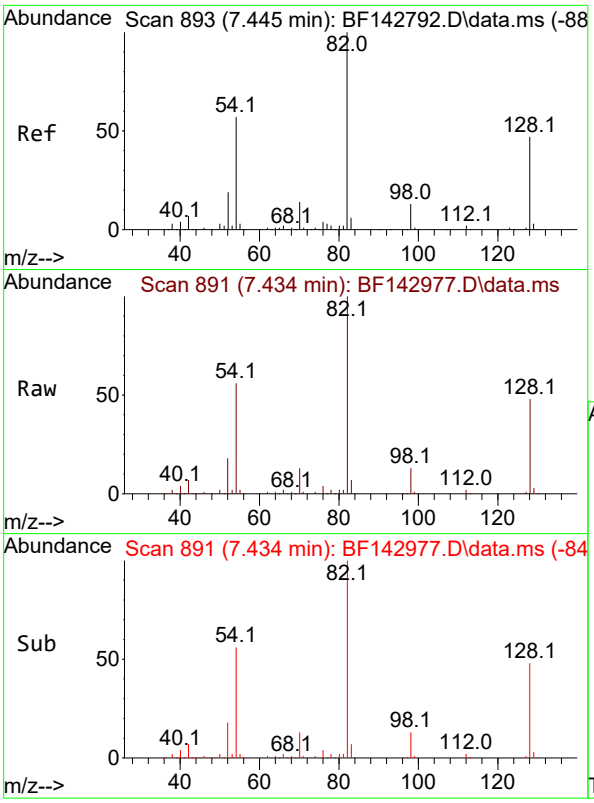


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:136 Resp: 209987

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.5	6.3	9.5
68	4.4	3.7	5.5



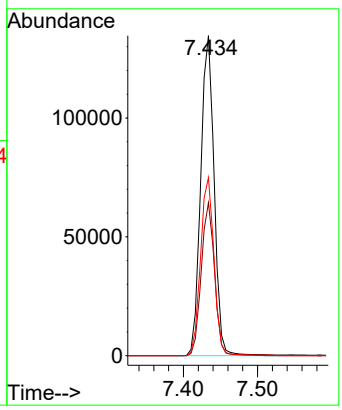


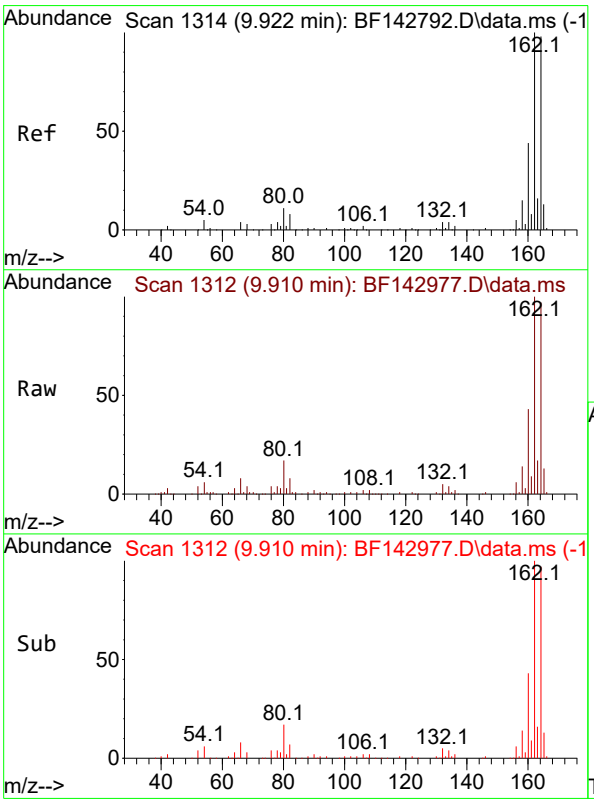
#23
Nitrobenzene-d5
Concen: 44.318 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion: 82 Resp: 169665

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.7	56.5
54	55.7	45.7	68.5

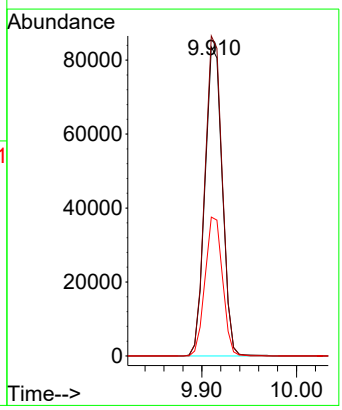


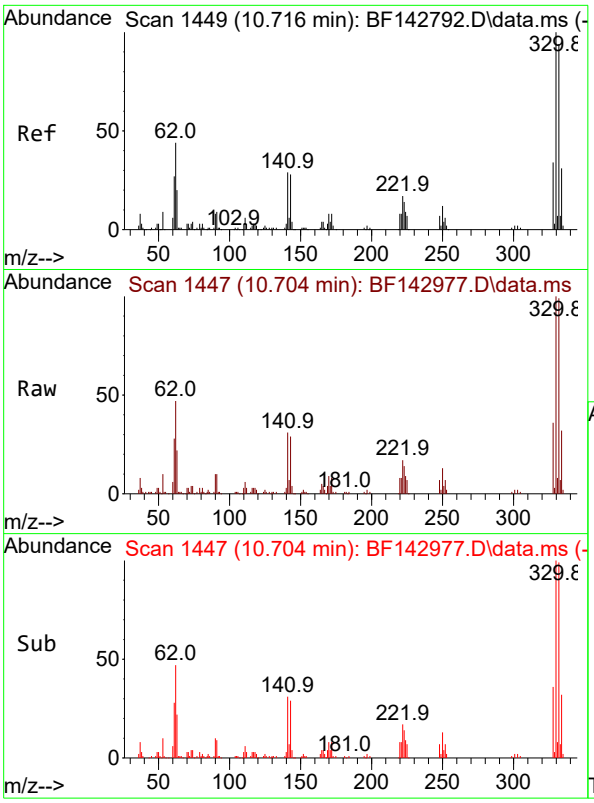


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:164 Resp: 105779

Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.8	122.8
160	45.0	36.0	54.0



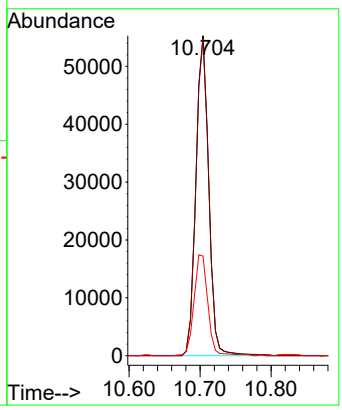


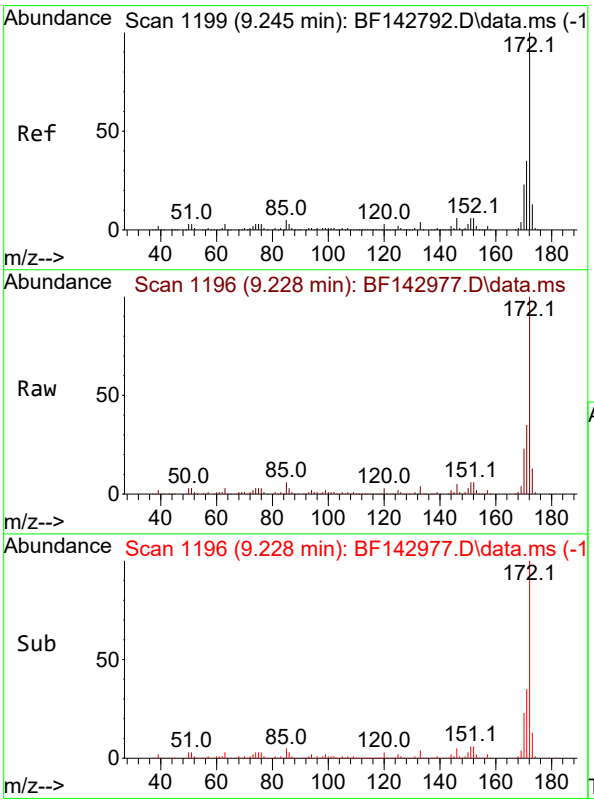
#42
2,4,6-Tribromophenol
Concen: 64.041 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:330 Resp: 69711

Ion	Ratio	Lower	Upper
330	100		
332	99.2	75.0	112.6
141	33.9	25.3	37.9

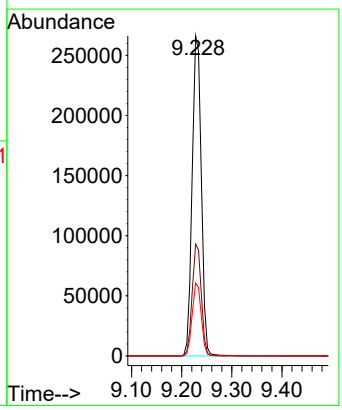


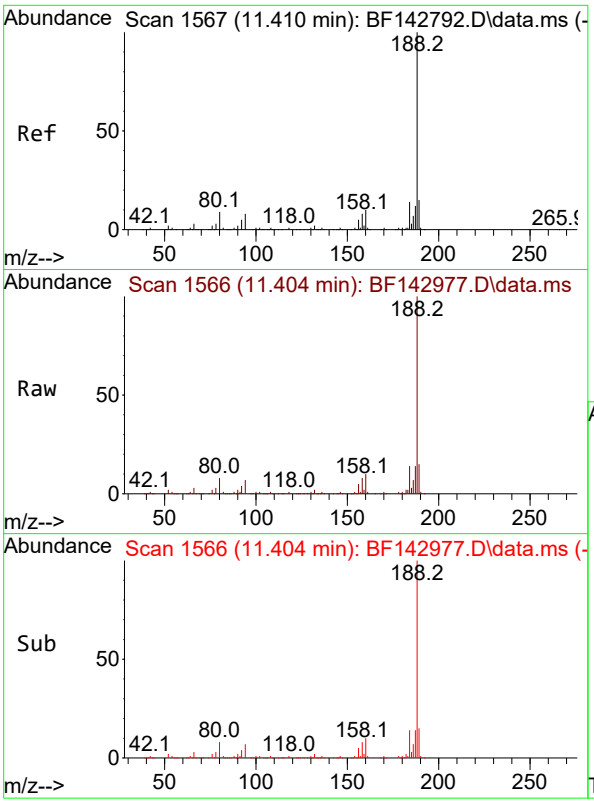


#45
2-Fluorobiphenyl
Concen: 41.891 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:172 Resp: 337312

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	22.8	18.5	27.7



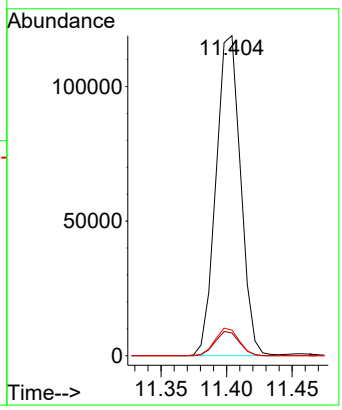


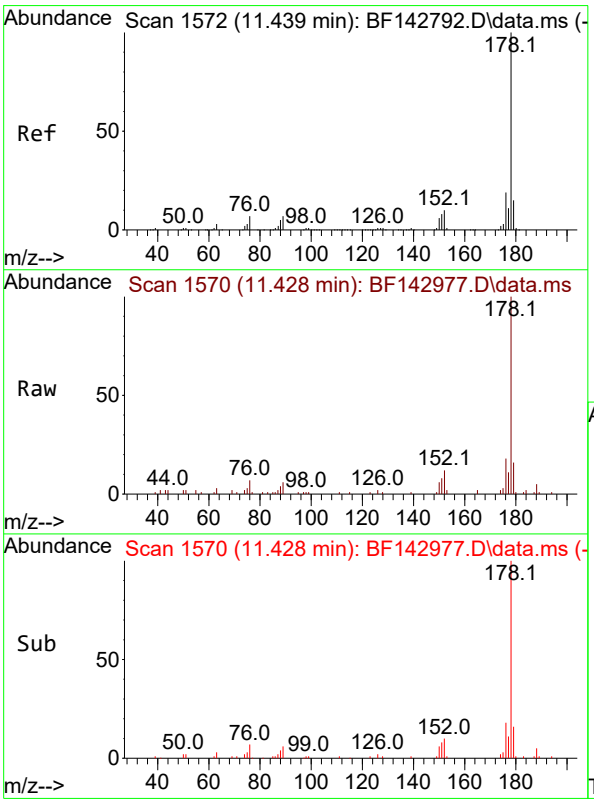
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:188 Resp: 154994

Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.7	10.1
80	8.0	6.9	10.3

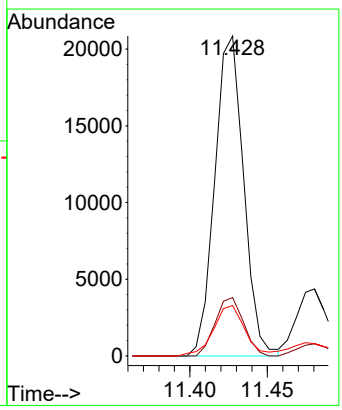


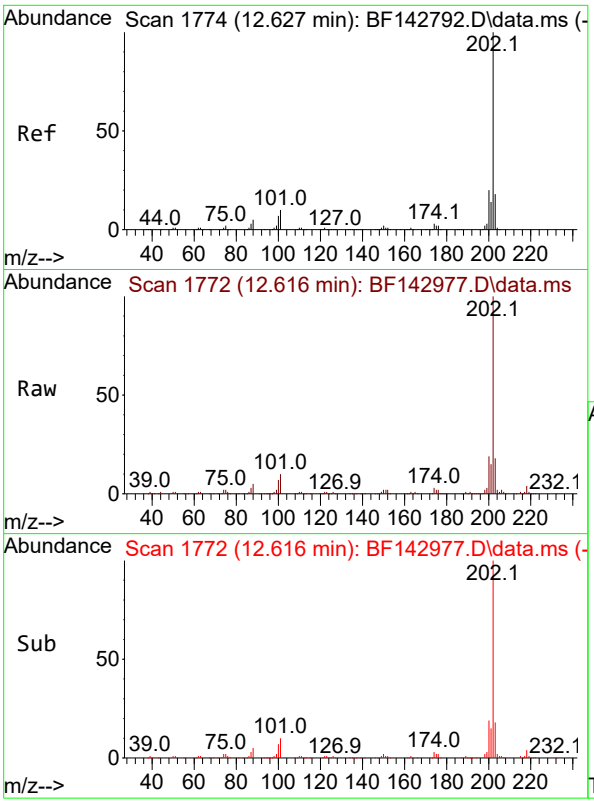


#71
Phenanthrene
Concen: 3.220 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:178 Resp: 27035

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.1	22.7
179	15.7	12.0	18.0



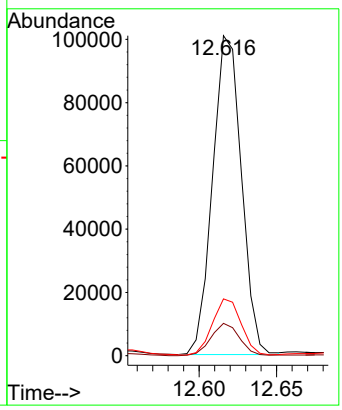


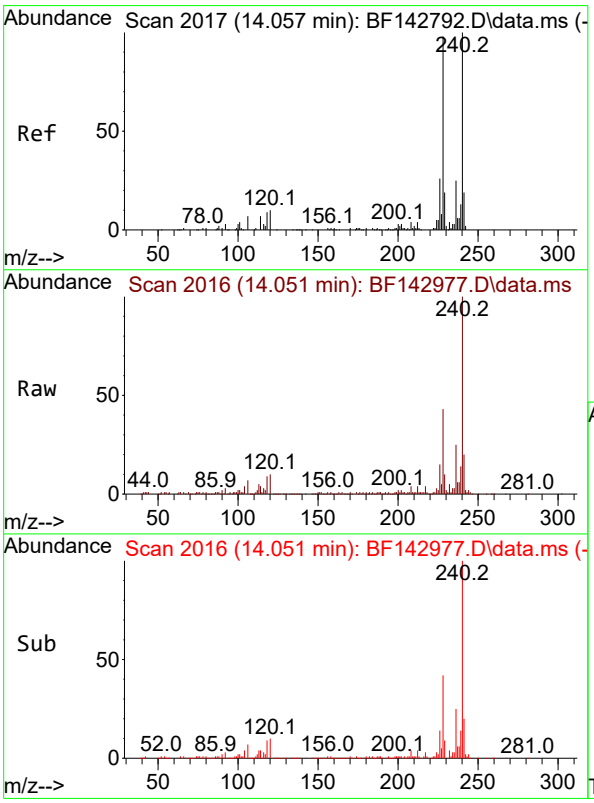
#75
Fluoranthene
Concen: 16.358 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:202 Resp: 130342

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	29.7
203	17.8	0.0	37.5

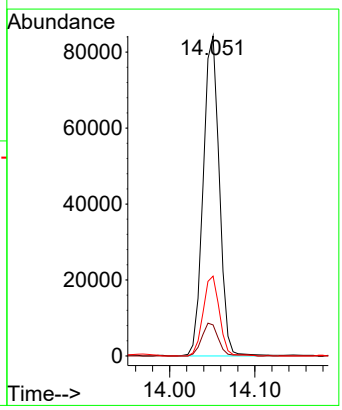


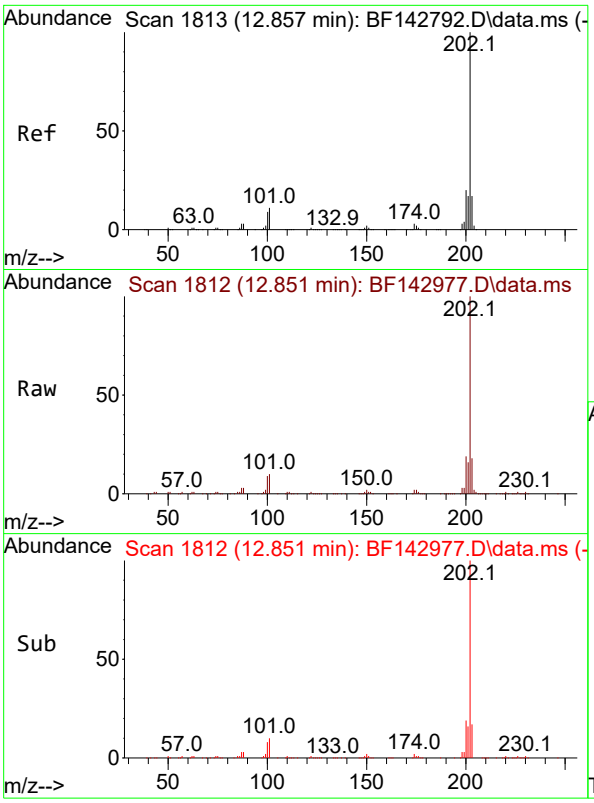


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:240 Resp: 110689

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.2	12.2
236	25.0	19.8	29.8



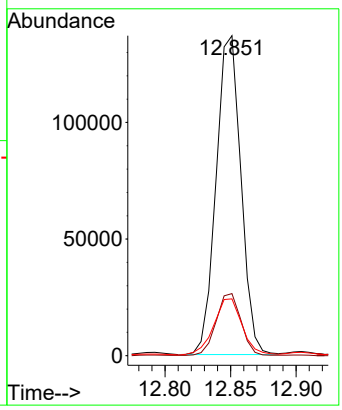


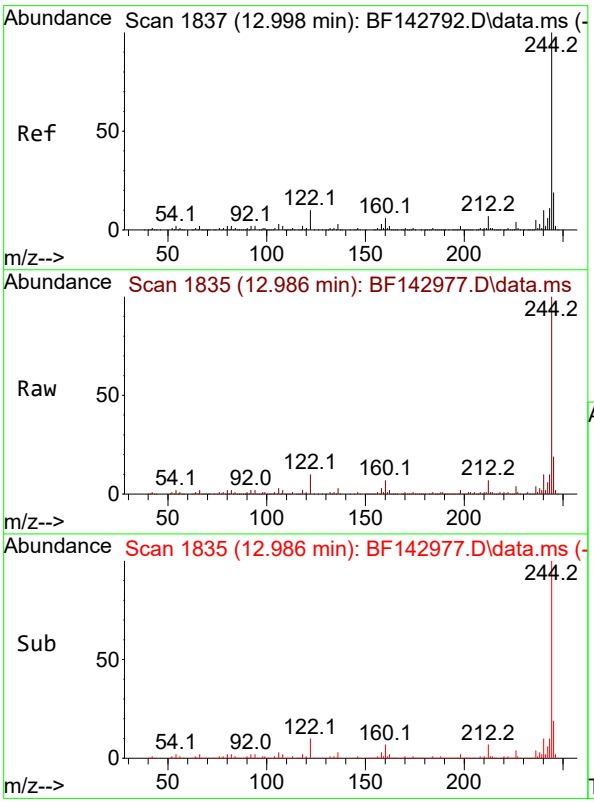
#78
Pyrene
Concen: 17.334 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:202 Resp: 179849

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.7	23.5
203	17.8	13.8	20.6

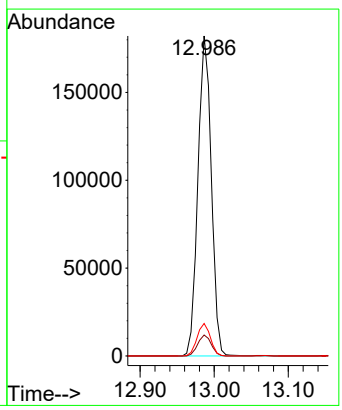


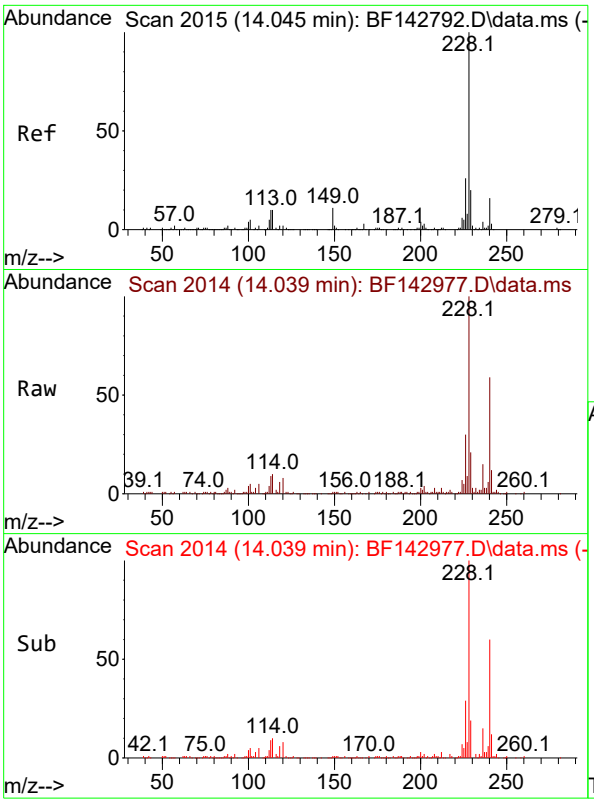


#79
Terphenyl-d14
Concen: 28.470 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:244 Resp: 228076

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.1	8.2	12.2



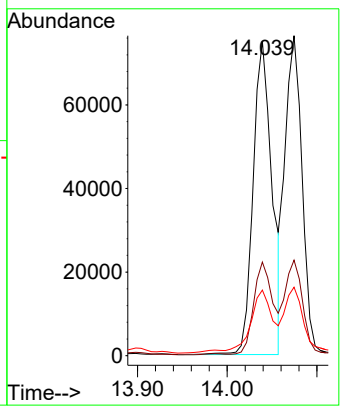


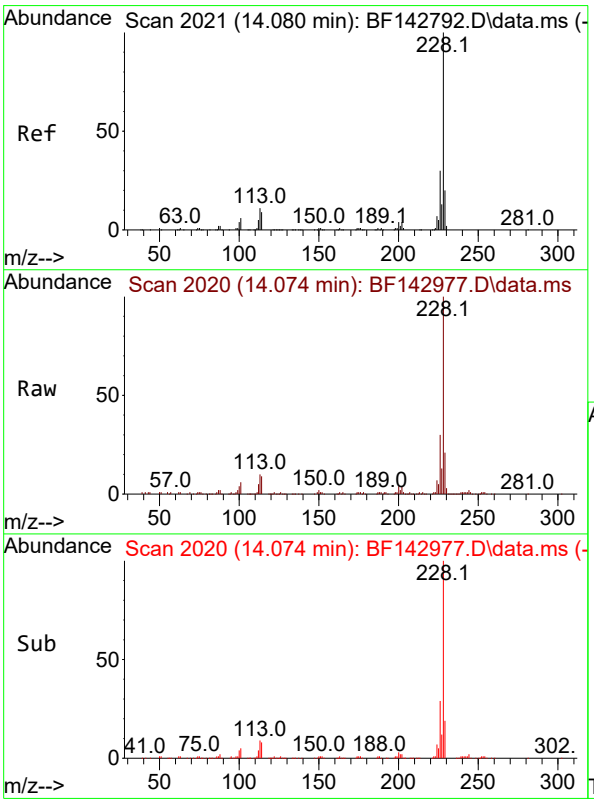
#81
Benzo(a)anthracene
Concen: 14.678 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:228 Resp: 109600

Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.2	31.8
229	20.9	15.6	23.4

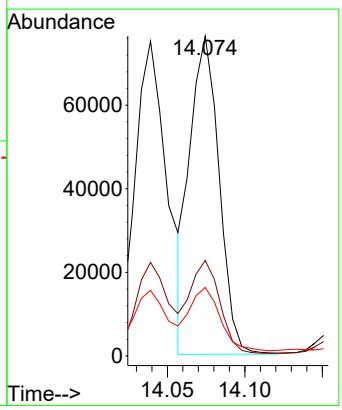


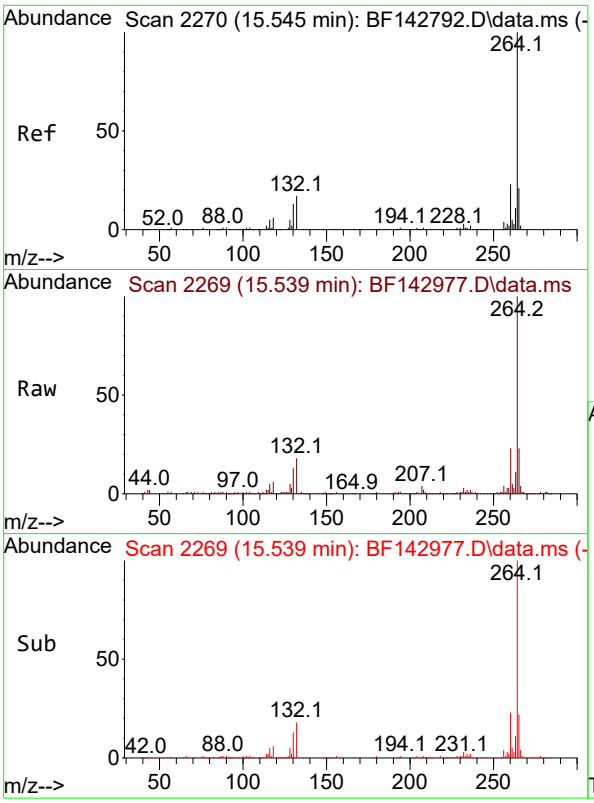


#83
Chrysene
Concen: 15.019 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:228 Resp: 100071

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.7	35.5
229	21.4	15.7	23.5



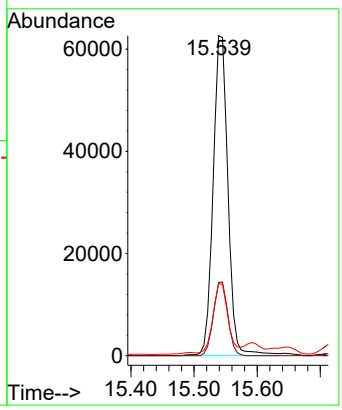


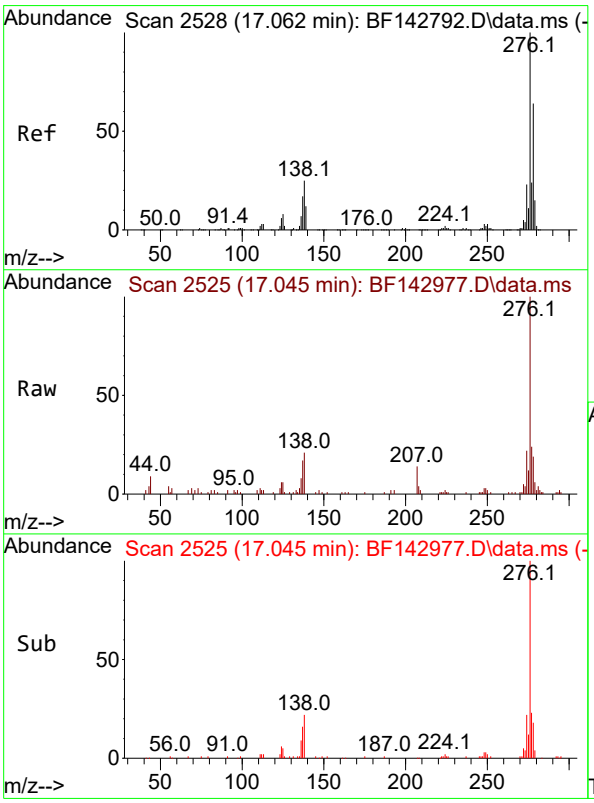
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:264 Resp: 101919

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.1	27.1
265	22.6	16.6	25.0

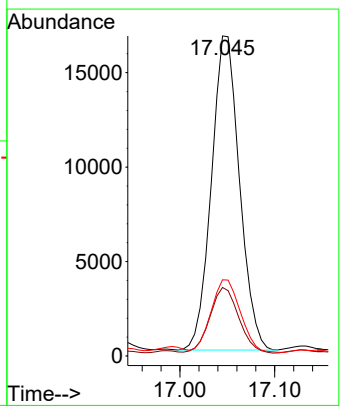


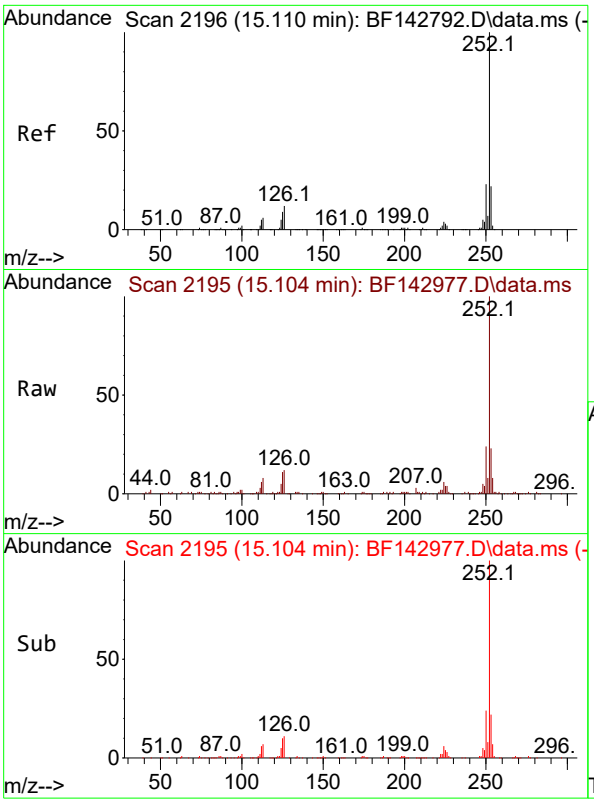


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.410 ng
RT: 17.045 min Scan# 2525
Delta R.T. -0.017 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:276 Resp: 34234

Ion	Ratio	Lower	Upper
276	100		
138	21.4	20.2	30.4
277	24.2	19.8	29.6



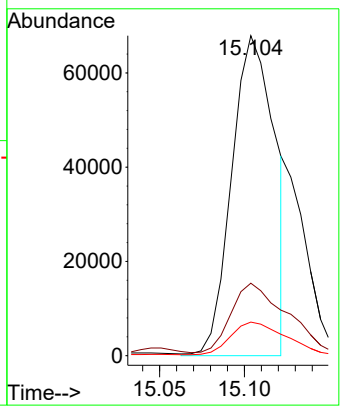


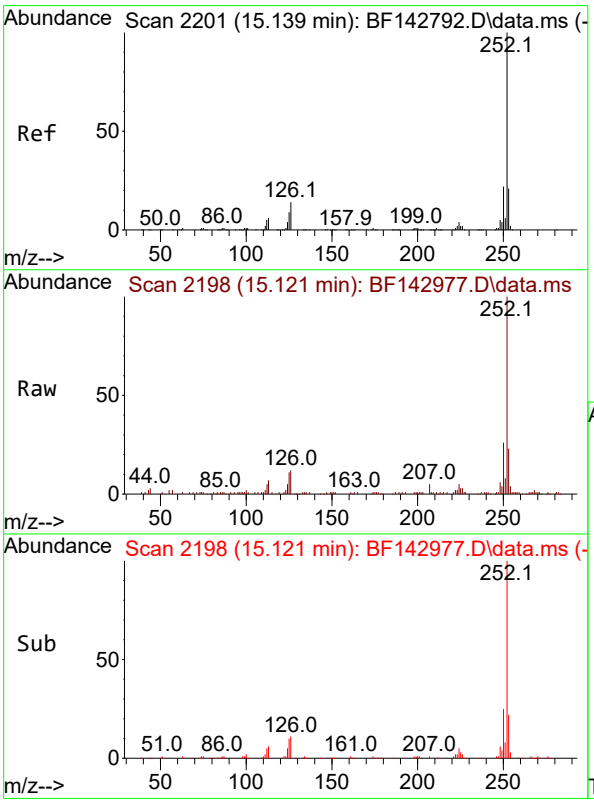
#88
Benzo(b)fluoranthene
Concen: 20.375 ng m
RT: 15.104 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:252 Resp: 120161

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	10.5	7.4	11.0

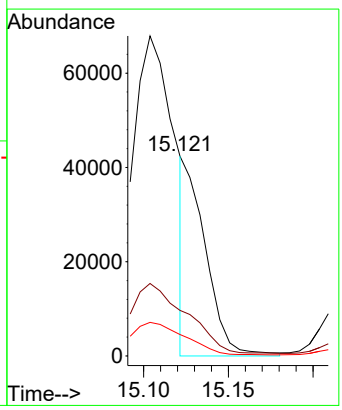


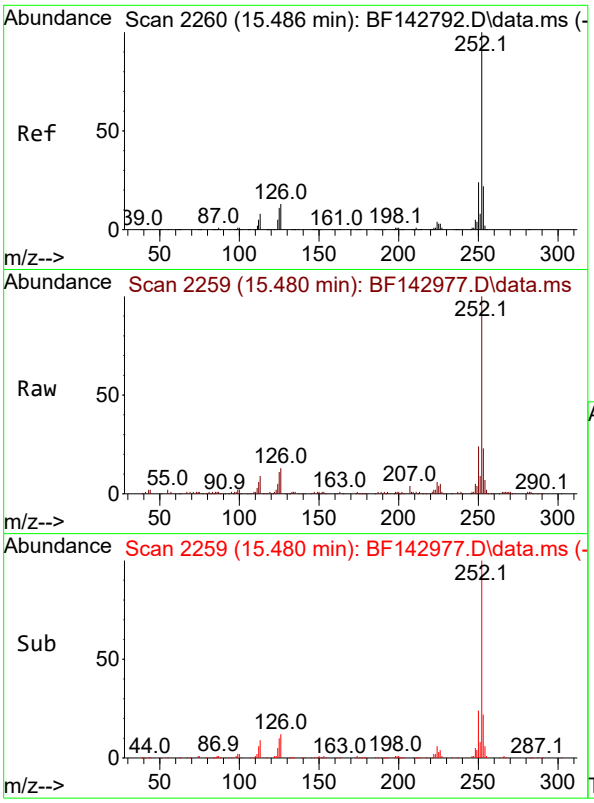


#89
Benzo(k)fluoranthene
Concen: 6.435 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.017 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:252 Resp: 35508

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	10.7	7.4	11.2



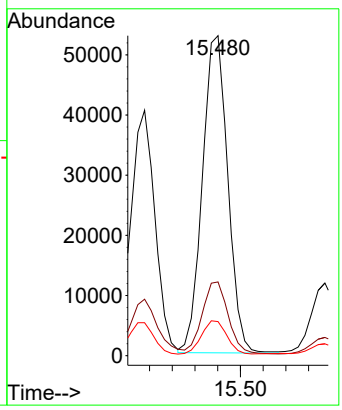


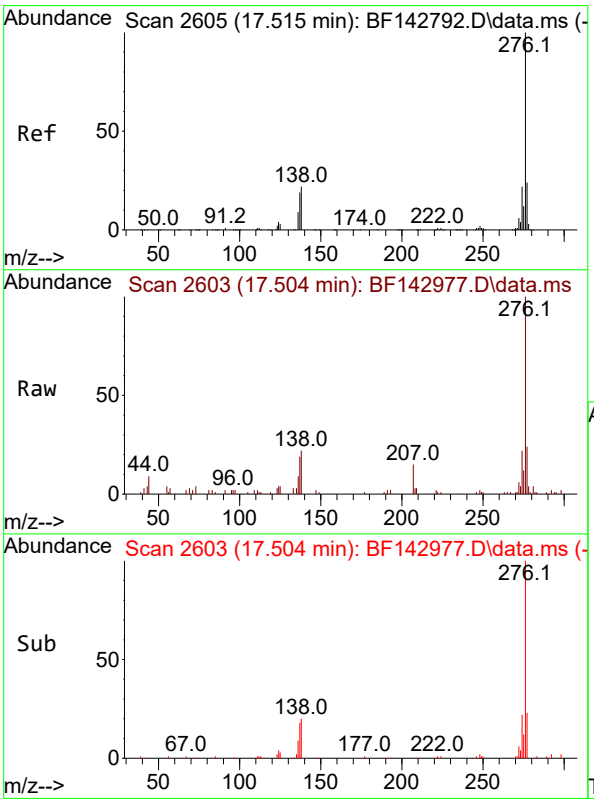
#90
Benzo(a)pyrene
Concen: 14.395 ng
RT: 15.480 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Instrument :
BNA_F
ClientSampleId :
TP-66

Tgt Ion:252 Resp: 82011

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	10.7	8.6	12.8





#92
Benzo(g,h,i)perylene
Concen: 5.638 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142977.D
Acq: 02 Jul 2025 18:20

Tgt Ion:276 Resp: 35460

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.8	28.2
138	21.6	17.6	26.4