Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142980.D
Acq On : 02 Jul 2025 19:52
Operator : RC/JU
Sample : Q2450-01DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Quant Time: Jul 03 01:08:26 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	62710	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	237451	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	115579	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	161220	20.000	ng	0.00
76) Chrysene-d12	14.051	240	138134	20.000	ng	0.00
86) Perylene-d12	15.545	264	105923	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	12421	3.298	ng	0.00
7) Phenol-d6	6.504	99	14925	3.359	ng	0.00
23) Nitrobenzene-d5	7.434	82	8919	2.060	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	3082	2.591	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	23117	2.627	ng	-0.02
79) Terphenyl-d14	12.986	244	18377	1.838	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.175	128	32980	2.838	ng	99
52) Acenaphthene	9.945	154	30012	4.361	ng	99
55) Dibenzofuran	10.116	168	29163	2.955	ng	98
58) Fluorene	10.463	166	39709	5.152	ng	98
71) Phenanthrene	11.427	178	231618	26.521	ng	100
72) Anthracene	11.475	178	75665	8.448	ng	99
73) Carbazole	11.633	167	15519	2.008	ng	99
75) Fluoranthene	12.621	202	359441	43.367	ng	99
78) Pyrene	12.851	202	316070	24.411	ng	99
81) Benzo(a)anthracene	14.039	228	191568	20.558	ng	97
83) Chrysene	14.074	228	146513	17.620	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	59994	7.436	ng	95
88) Benzo(b)fluoranthene	15.104	252	189276m	30.881	ng	
89) Benzo(k)fluoranthene	15.121	252	58515m	10.204	ng	
90) Benzo(a)pyrene	15.480	252	122389	20.670	ng	99
91) Dibenzo(a,h)anthracene	17.057	278	14836m	2.263	ng	
92) Benzo(g,h,i)perylene	17.504	276	54762	8.377	ng	98

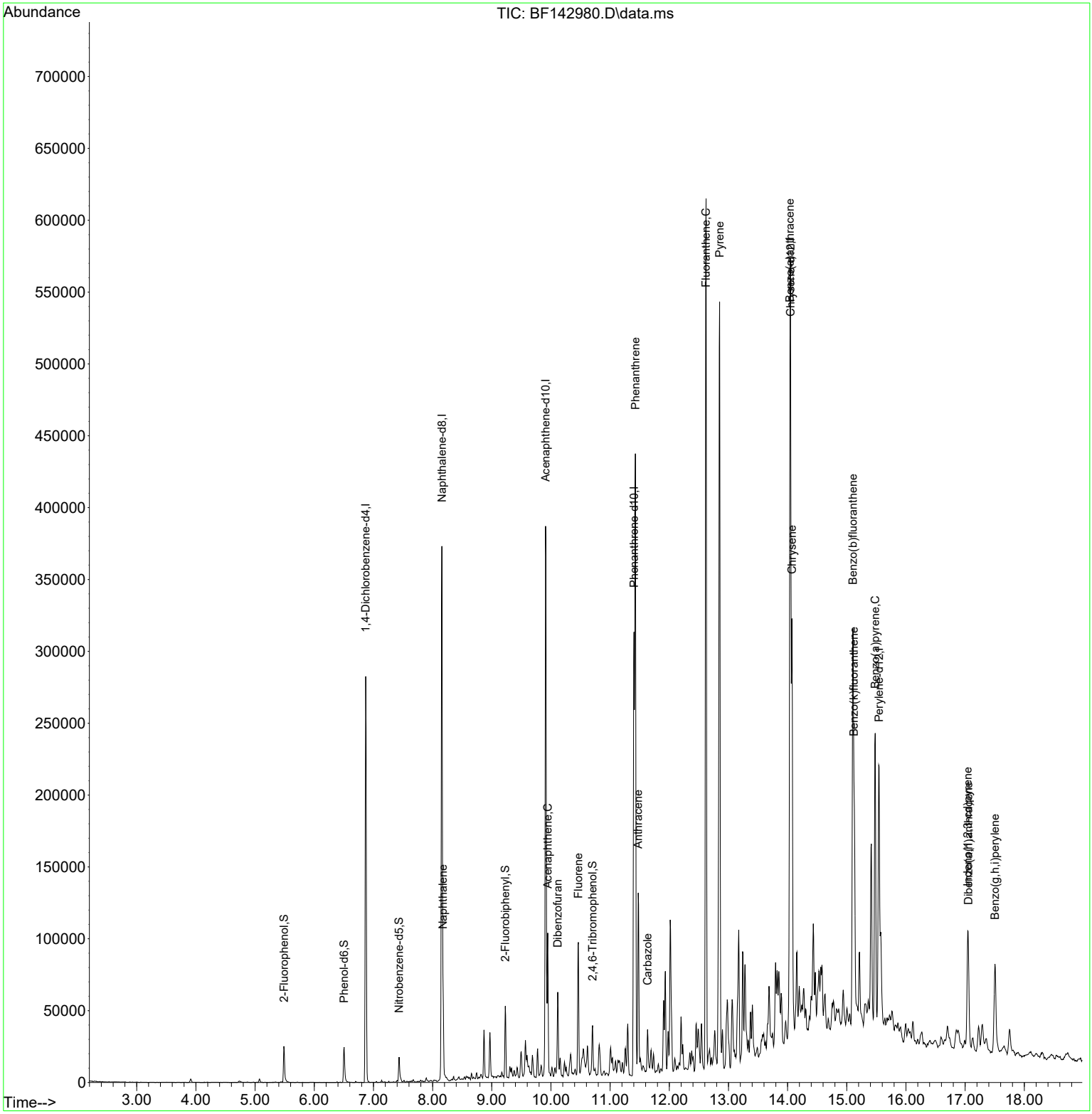
(#) = qualifier out of range (m) = manual integration (+) = signals summed

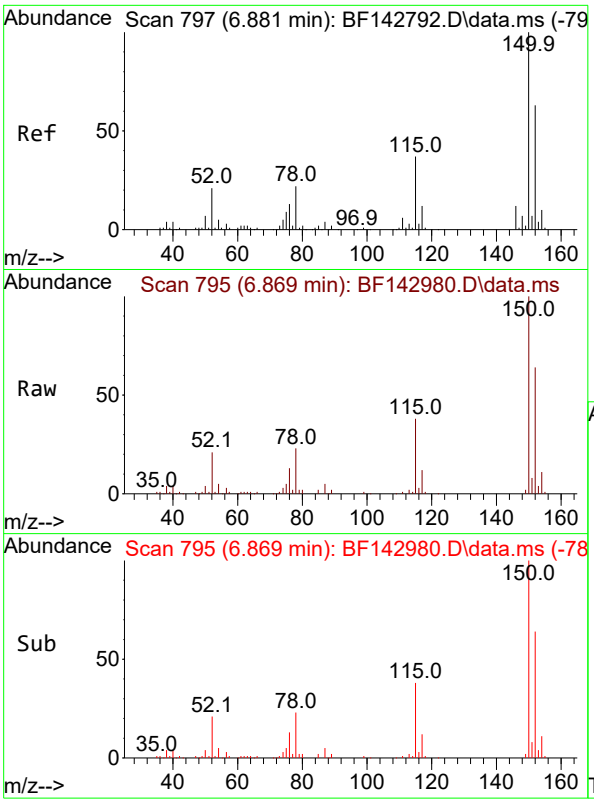
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142980.D
Acq On : 02 Jul 2025 19:52
Operator : RC/JU
Sample : Q2450-01DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Quant Time: Jul 03 01:08:26 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



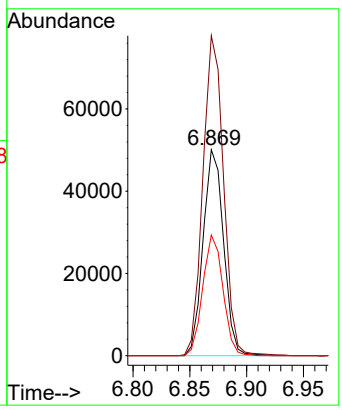


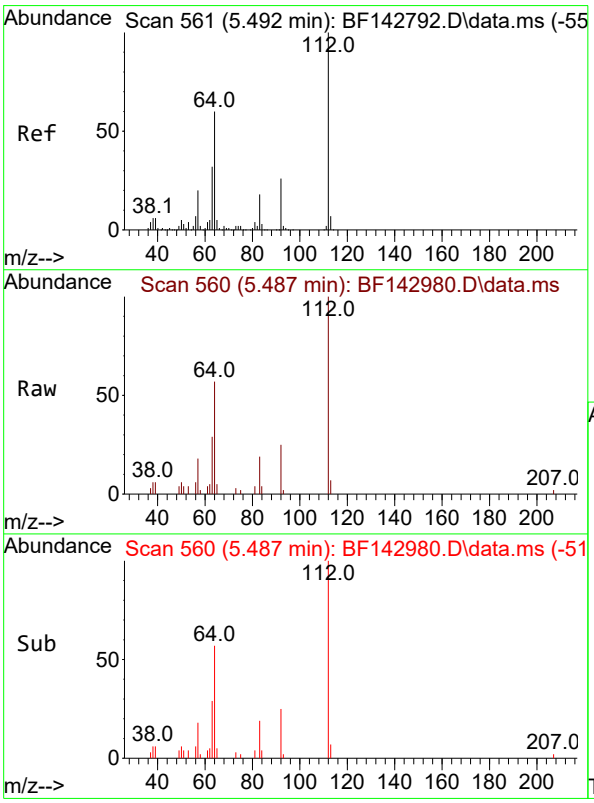
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Tgt Ion:152 Resp: 62710

Ion	Ratio	Lower	Upper
152	100		
150	155.4	127.2	190.8
115	58.6	46.6	69.8

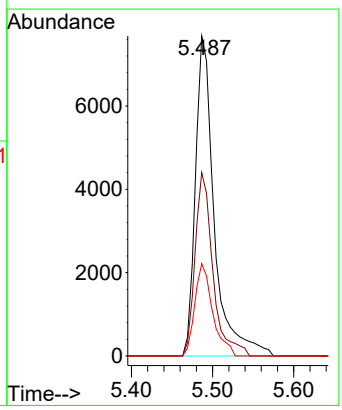


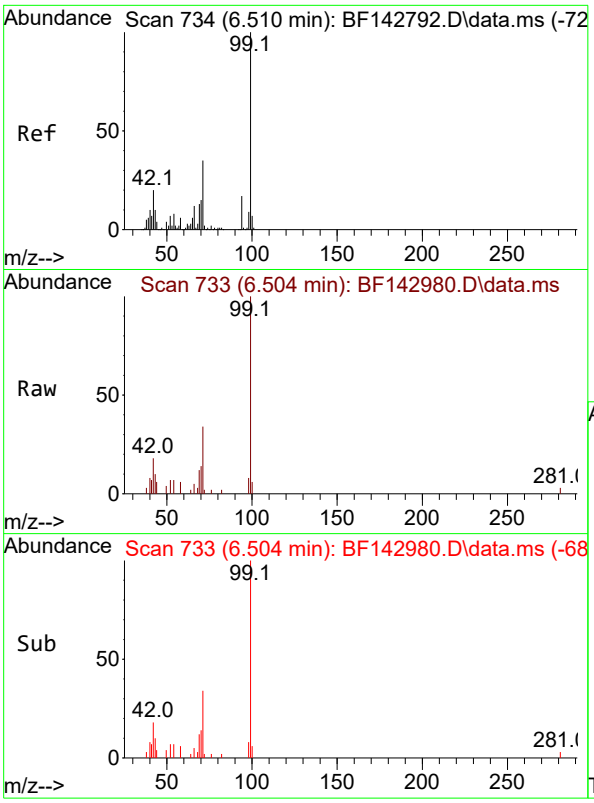


#5
2-Fluorophenol
Concen: 3.298 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Tgt Ion:112 Resp: 12421

Ion	Ratio	Lower	Upper
112	100		
64	57.3	48.2	72.2
63	28.9	25.7	38.5



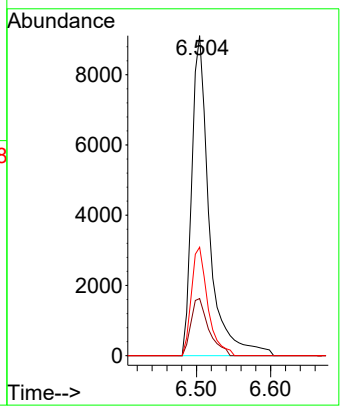


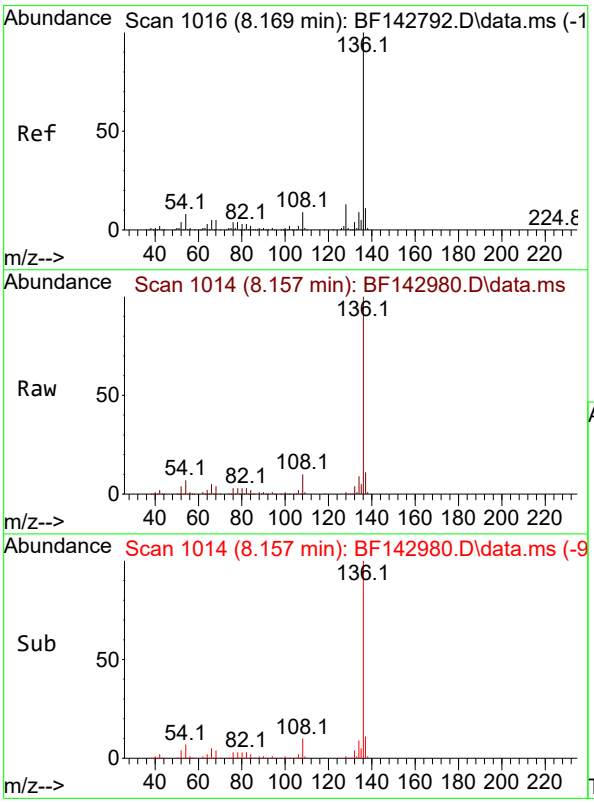
#7
Phenol-d6
Concen: 3.359 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Tgt Ion: 99 Resp: 14925

Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.9	23.9
71	33.9	27.8	41.8

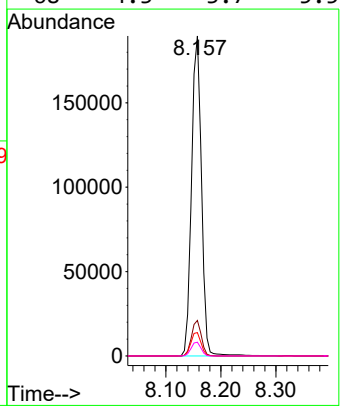


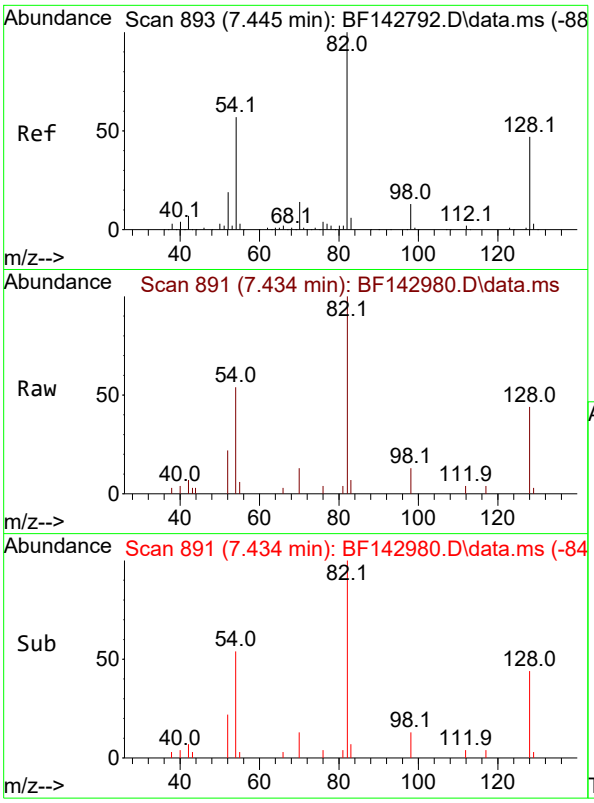


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Tgt Ion:136 Resp: 237451

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	7.3	6.3	9.5
68	4.3	3.7	5.5



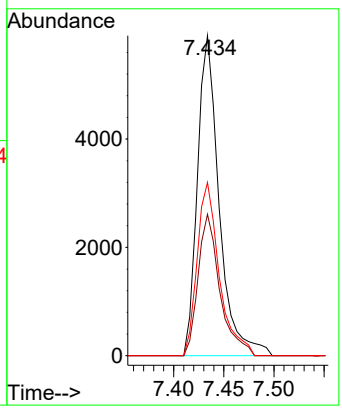


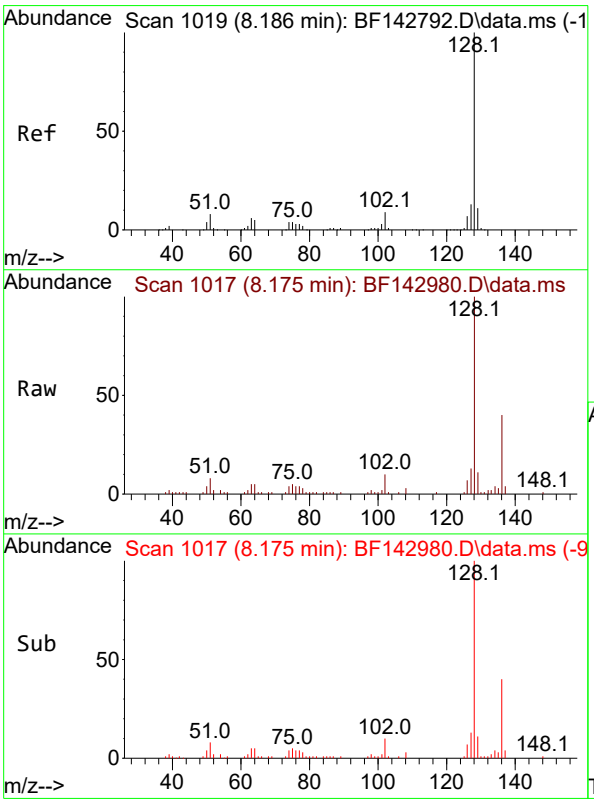
#23
Nitrobenzene-d5
Concen: 2.060 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Tgt Ion: 82 Resp: 8919

Ion	Ratio	Lower	Upper
82	100		
128	44.2	37.7	56.5
54	54.2	45.7	68.5

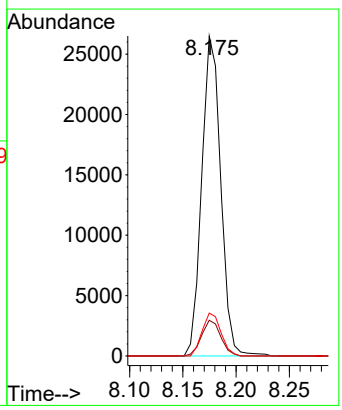


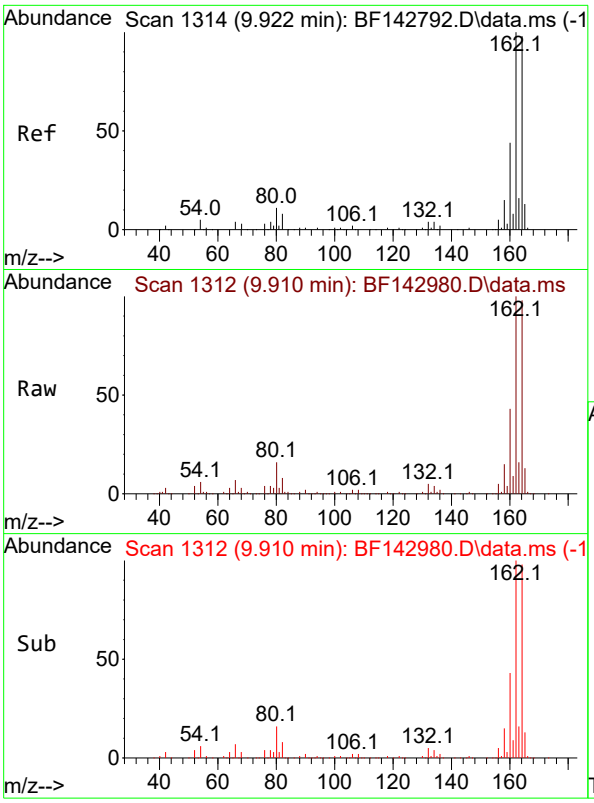


#31
Naphthalene
Concen: 2.838 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Tgt Ion:128 Resp: 32980

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.4	10.4	15.6



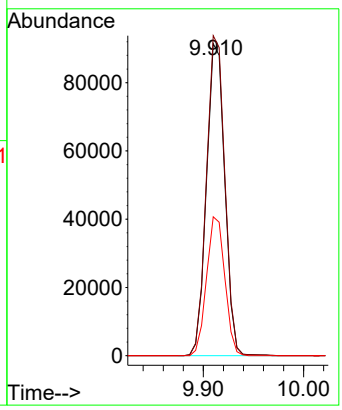


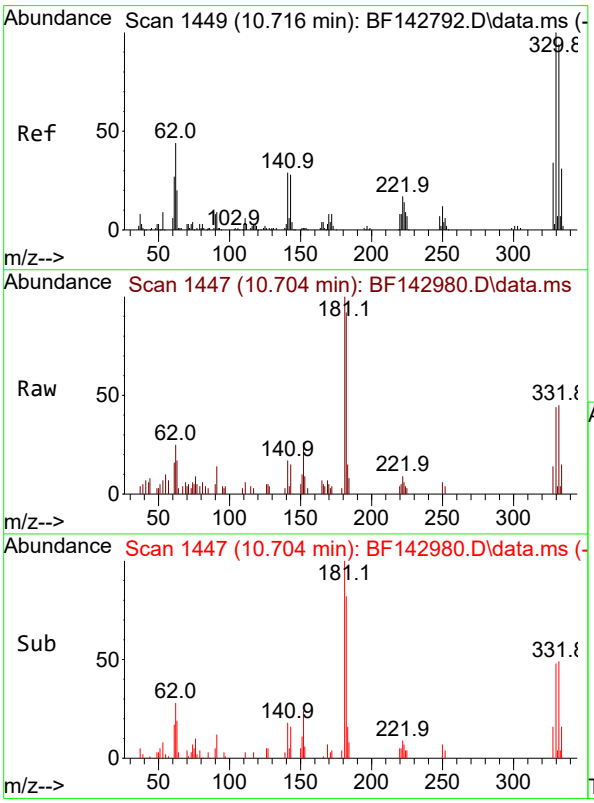
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Tgt Ion:164 Resp: 115579

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.8	122.8
160	44.5	36.0	54.0

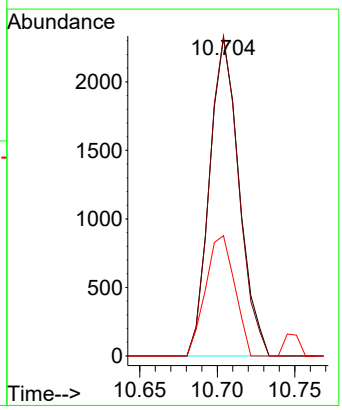


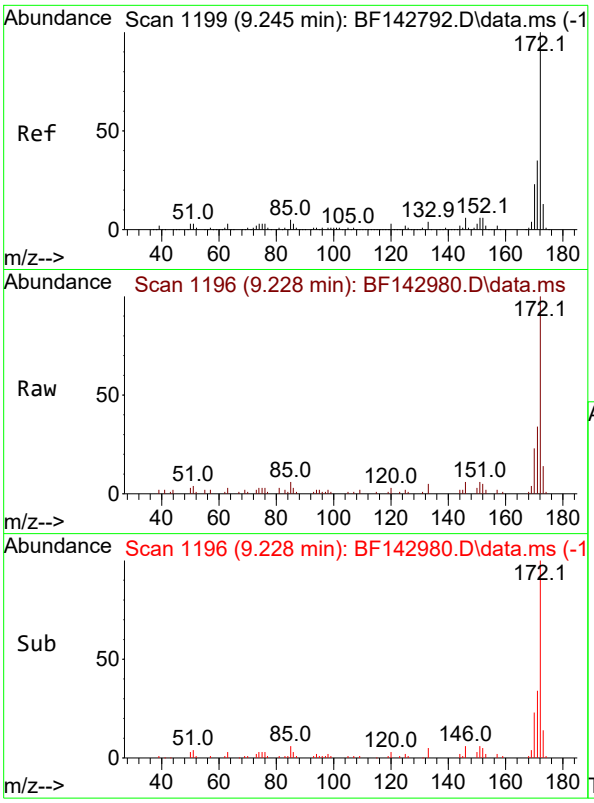


#42
2,4,6-Tribromophenol
Concen: 2.591 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Tgt Ion:330 Resp: 3082

Ion	Ratio	Lower	Upper
330	100		
332	98.9	75.0	112.6
141	37.2	25.3	37.9



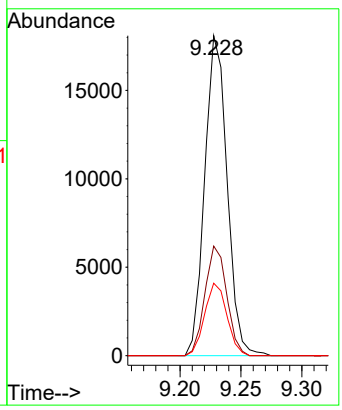


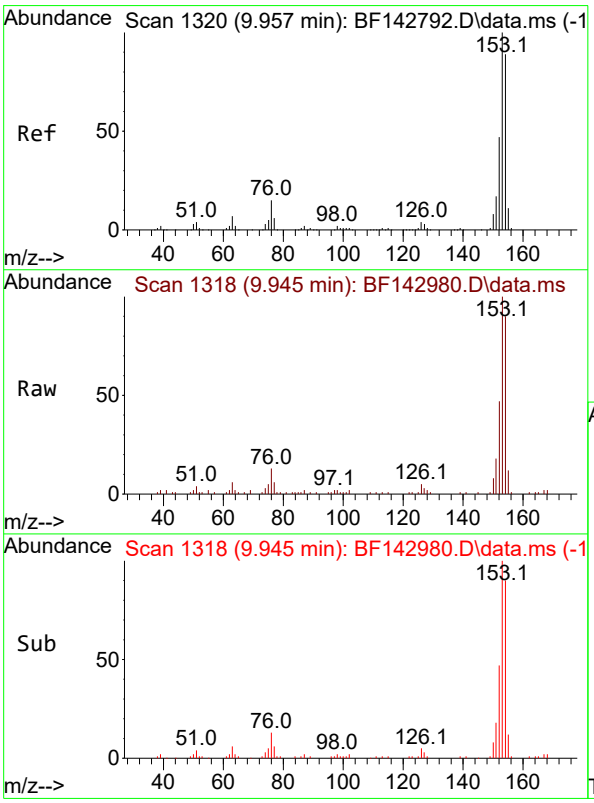
#45
2-Fluorobiphenyl
Concen: 2.627 ng
RT: 9.228 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Tgt Ion:172 Resp: 23117

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.2	42.4
170	22.7	18.5	27.7

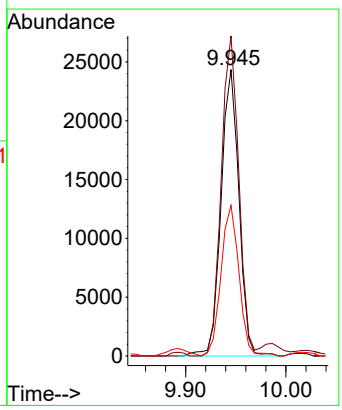


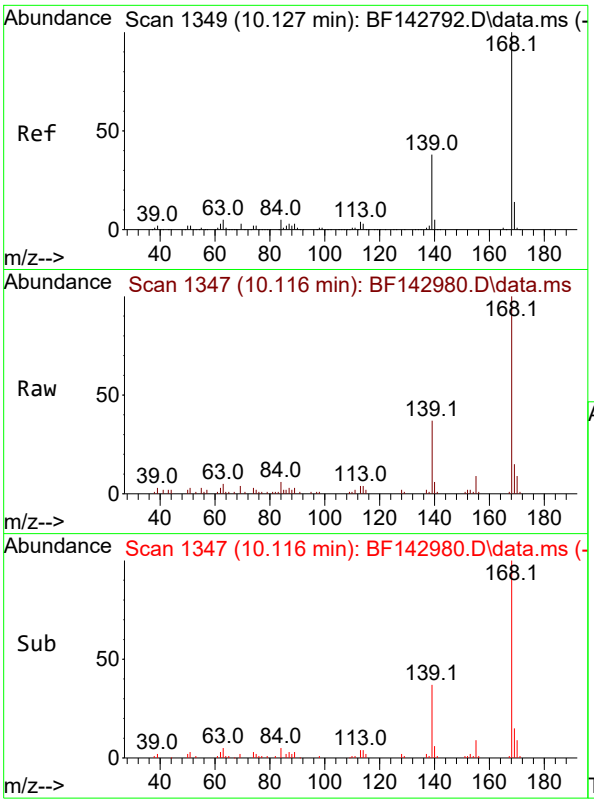


#52
Acenaphthene
Concen: 4.361 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.012 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Tgt Ion:154 Resp: 30012

Ion	Ratio	Lower	Upper
154	100		
153	111.7	90.0	135.0
152	52.6	41.9	62.9



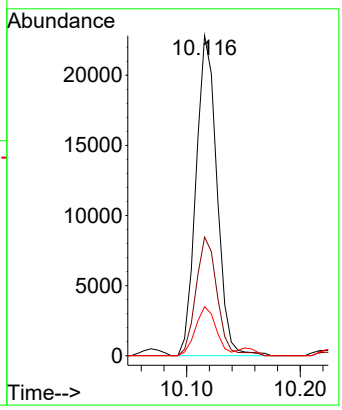


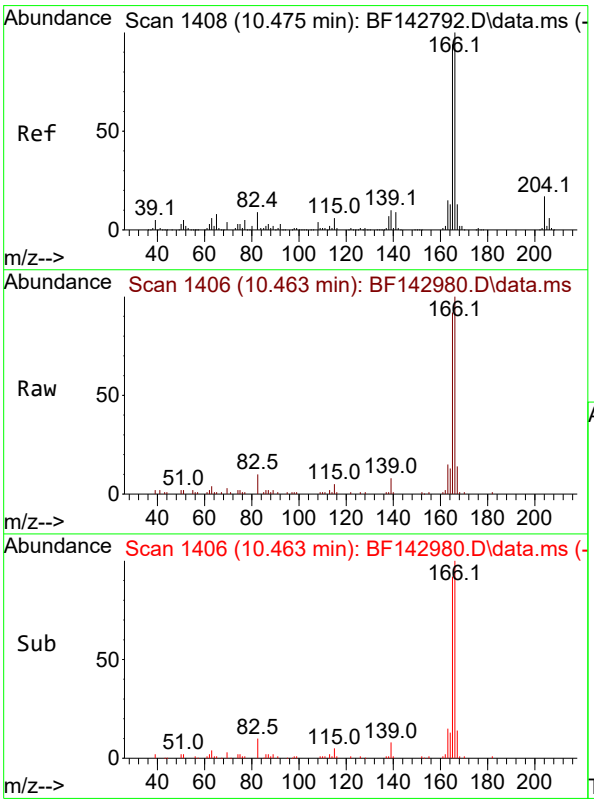
#55
Dibenzofuran
Concen: 2.955 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Tgt Ion:168 Resp: 29163

Ion	Ratio	Lower	Upper
168	100		
139	37.0	30.2	45.4
169	15.3	10.8	16.2

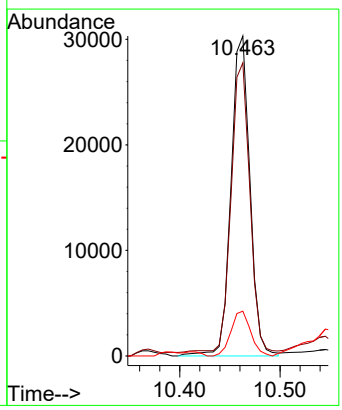


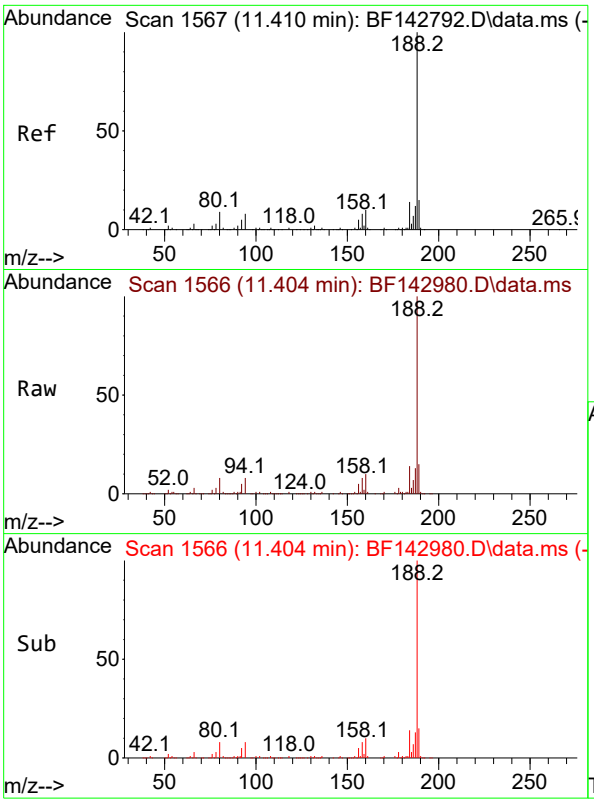


#58
Fluorene
Concen: 5.152 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Tgt Ion:166 Resp: 39709

Ion	Ratio	Lower	Upper
166	100		
165	91.6	75.2	112.8
167	14.0	10.6	15.8



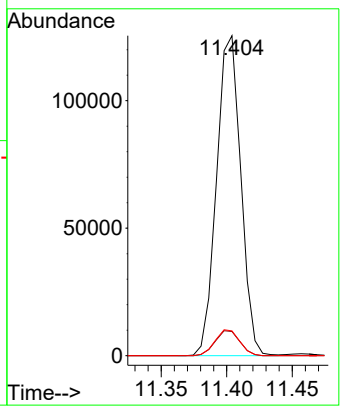


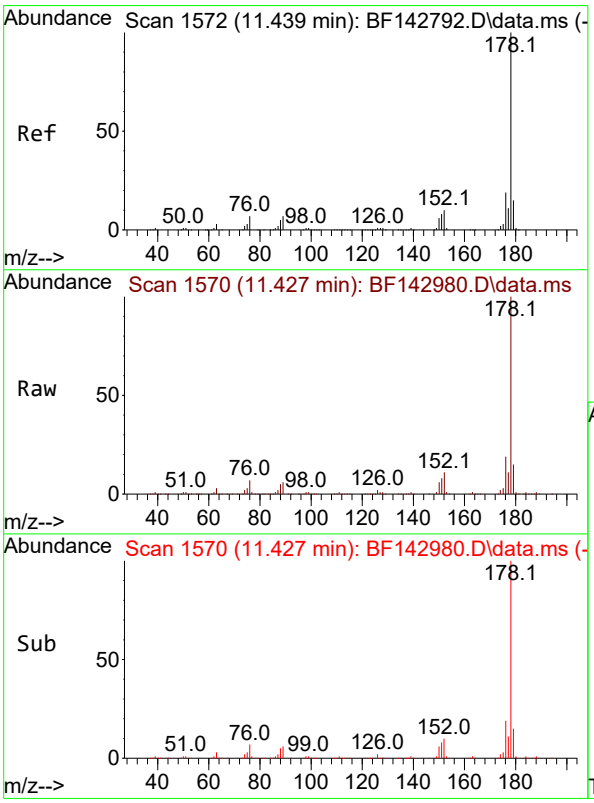
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Tgt Ion:188 Resp: 161220

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.7	10.1
80	7.8	6.9	10.3

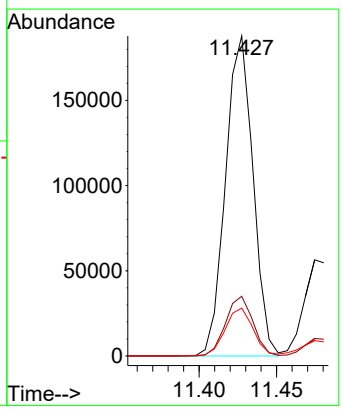


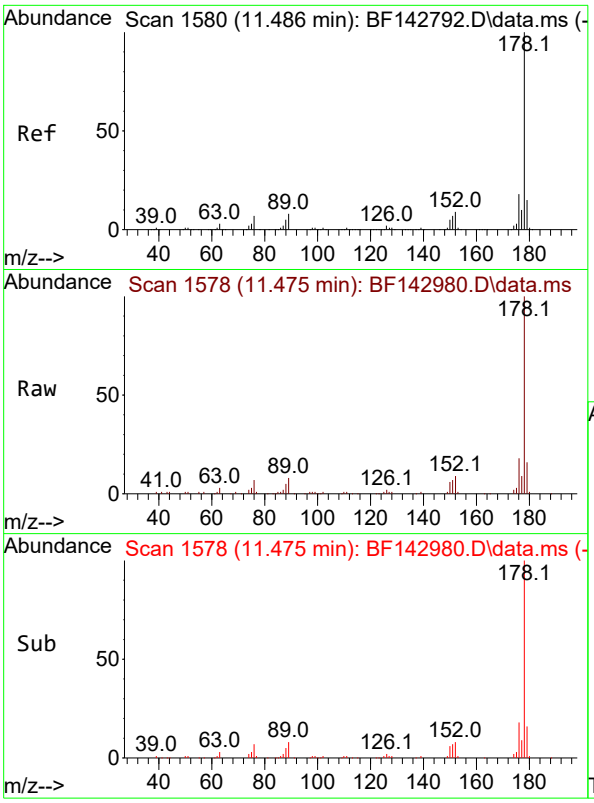


#71
Phenanthrene
Concen: 26.521 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Tgt Ion:178 Resp: 231618

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.0	12.0	18.0



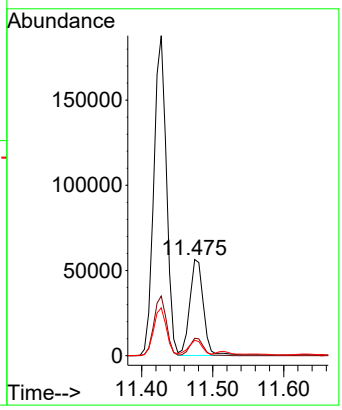


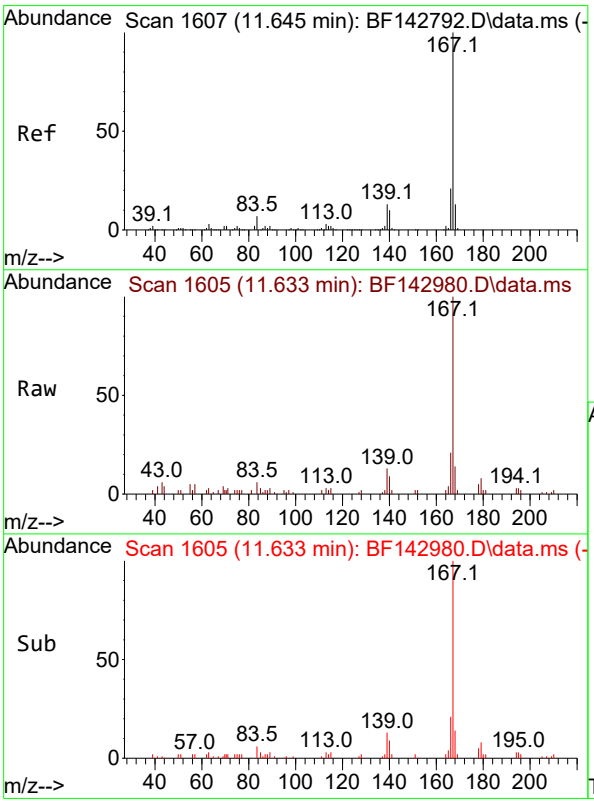
#72
Anthracene
Concen: 8.448 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Tgt Ion:178 Resp: 75665

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	16.0	12.4	18.6

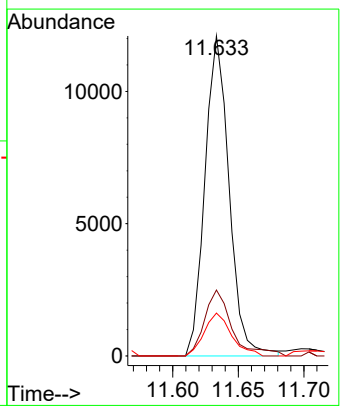


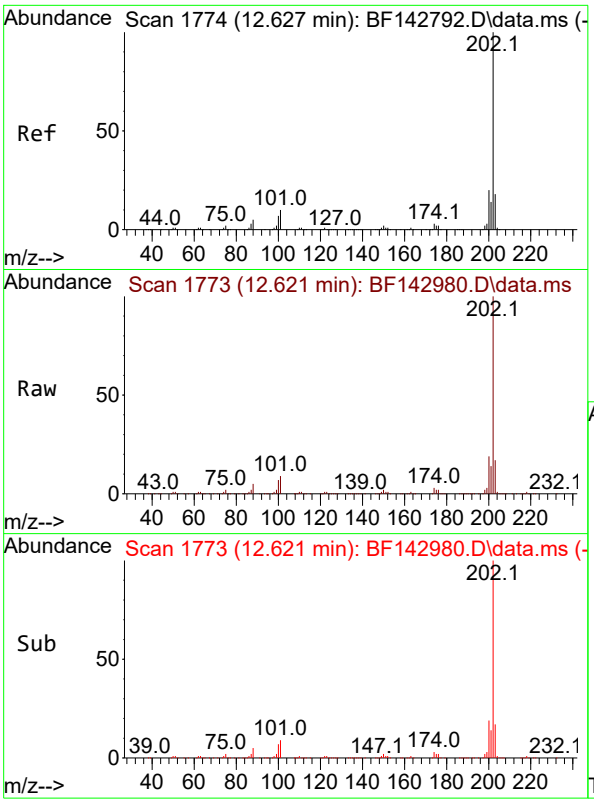


#73
Carbazole
Concen: 2.008 ng
RT: 11.633 min Scan# 1605
Delta R.T. -0.012 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Tgt Ion:167 Resp: 15519

Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.0	25.4
139	13.4	10.2	15.2



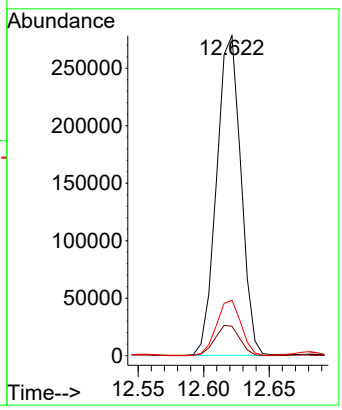


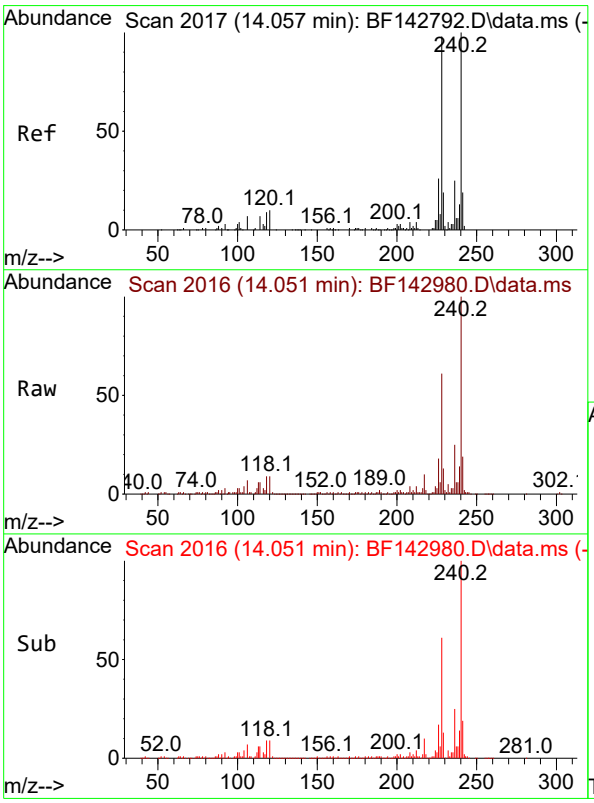
#75
Fluoranthene
Concen: 43.367 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Tgt Ion:202 Resp: 359441

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.7
203	17.4	0.0	37.5

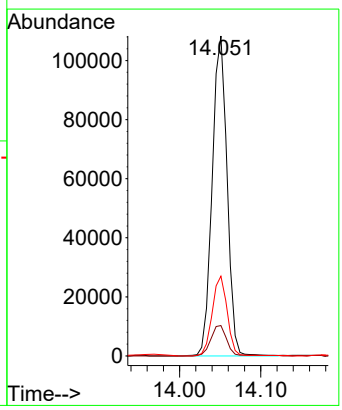


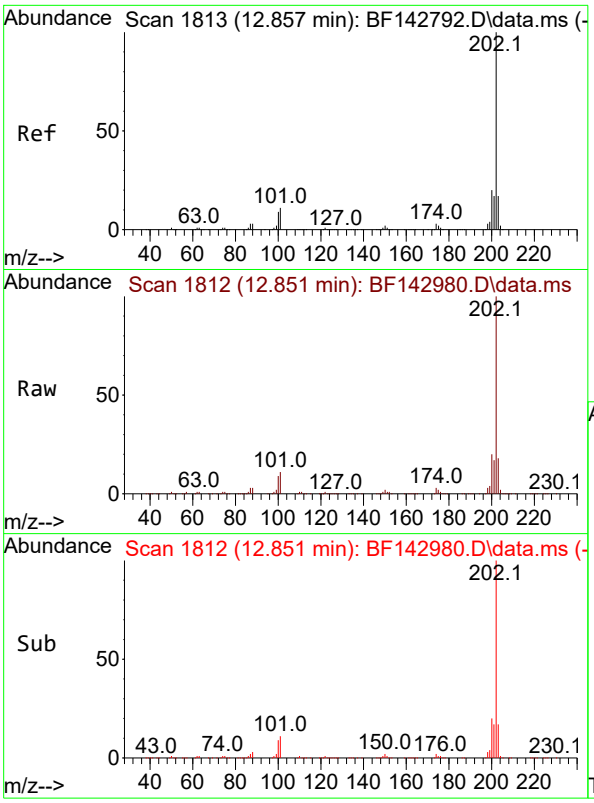


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Tgt Ion:240 Resp: 138134

Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.2	12.2
236	25.0	19.8	29.8



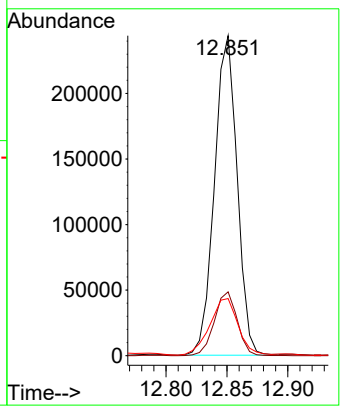


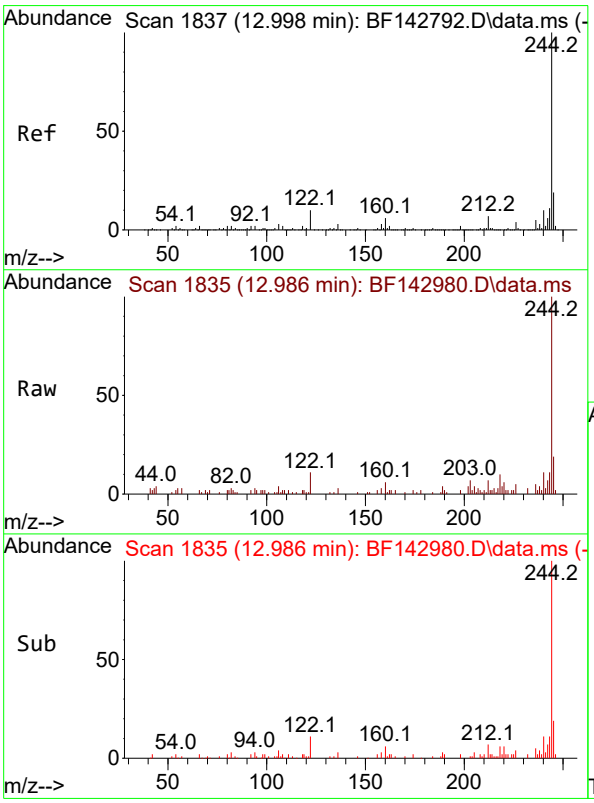
#78
Pyrene
Concen: 24.411 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Tgt Ion:202 Resp: 316070

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.7	23.5
203	17.9	13.8	20.6

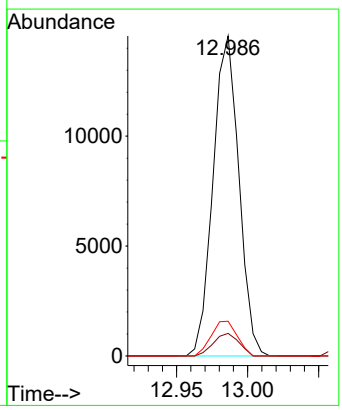


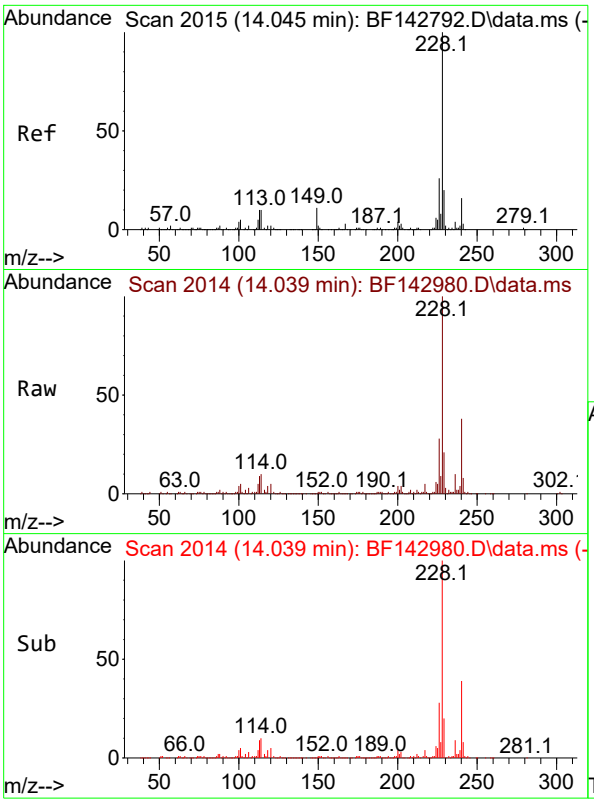


#79
Terphenyl-d14
Concen: 1.838 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Tgt Ion:244 Resp: 18377

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.8	8.2	12.2



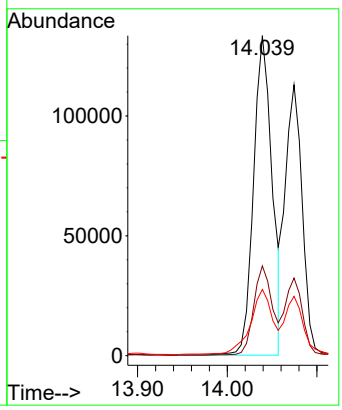


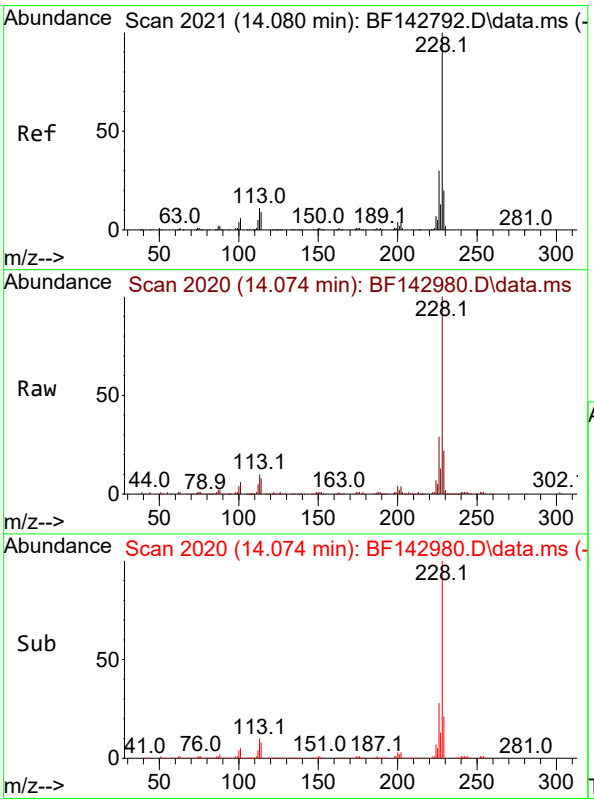
#81
Benzo(a)anthracene
Concen: 20.558 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Tgt Ion:228 Resp: 191568

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.2	31.8
229	20.7	15.6	23.4

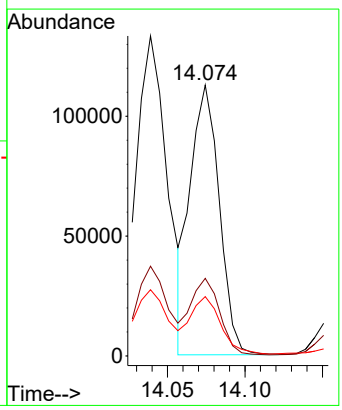


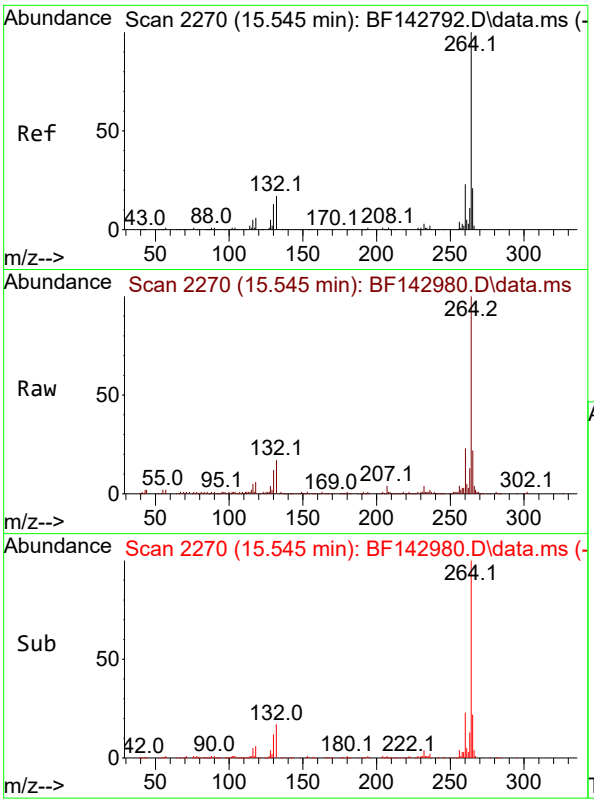


#83
Chrysene
Concen: 17.620 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Tgt Ion:228 Resp: 146513

Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.7	35.5
229	21.9	15.7	23.5



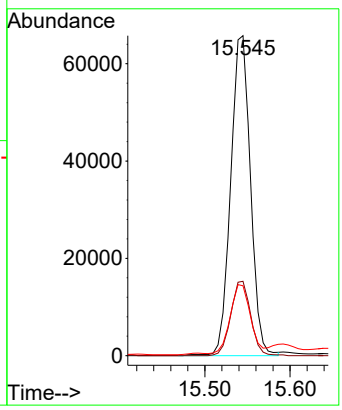


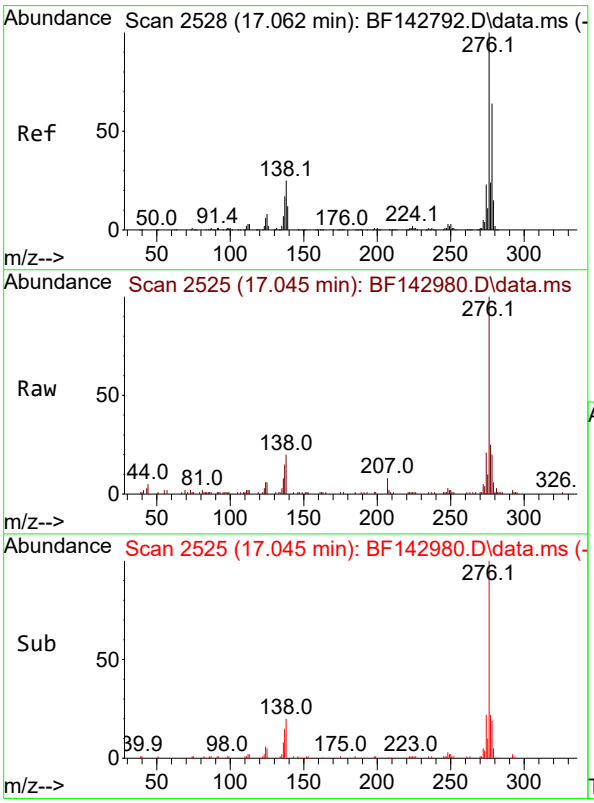
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Tgt Ion:264 Resp: 105923

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.1	27.1
265	21.8	16.6	25.0

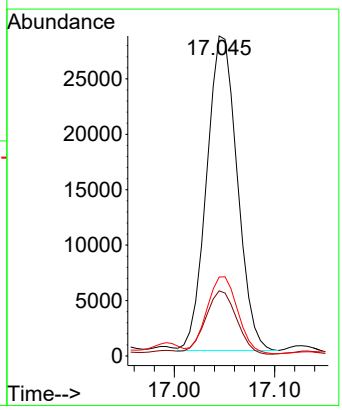


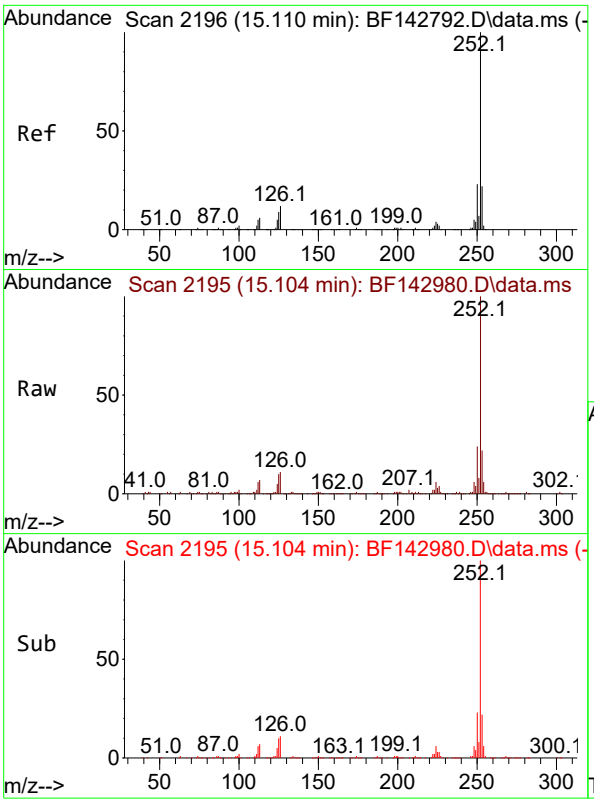


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.436 ng
RT: 17.045 min Scan# 2525
Delta R.T. -0.018 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Tgt Ion:276 Resp: 59994

Ion	Ratio	Lower	Upper
276	100		
138	20.6	20.2	30.4
277	24.9	19.8	29.6



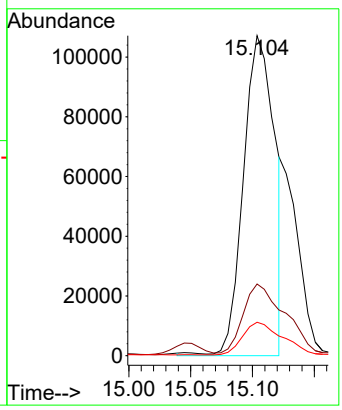


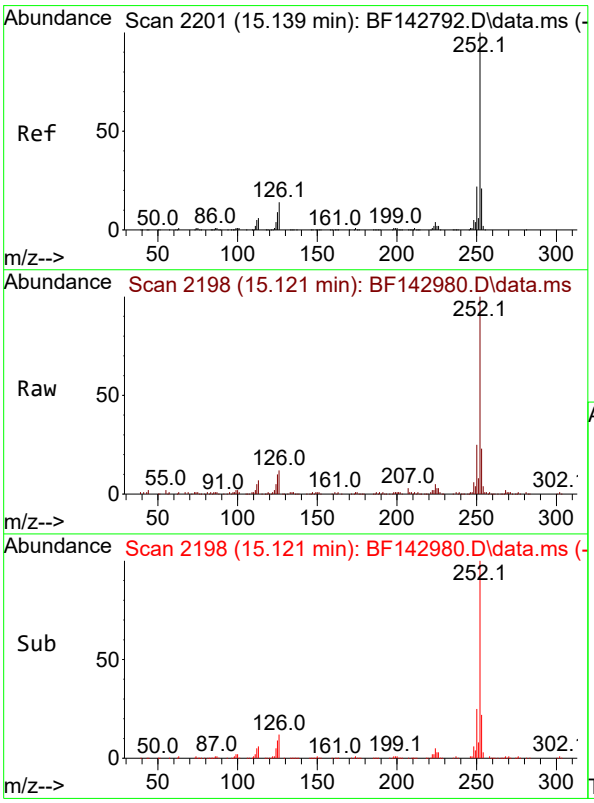
#88
Benzo(b)fluoranthene
Concen: 30.881 ng m
RT: 15.104 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Tgt Ion:252 Resp: 189276

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	10.5	7.4	11.0

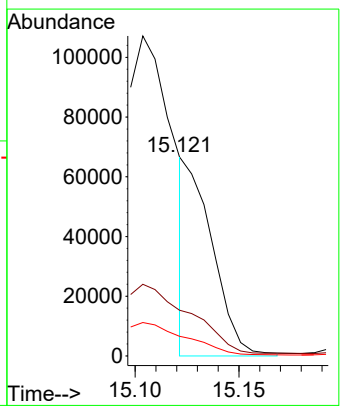


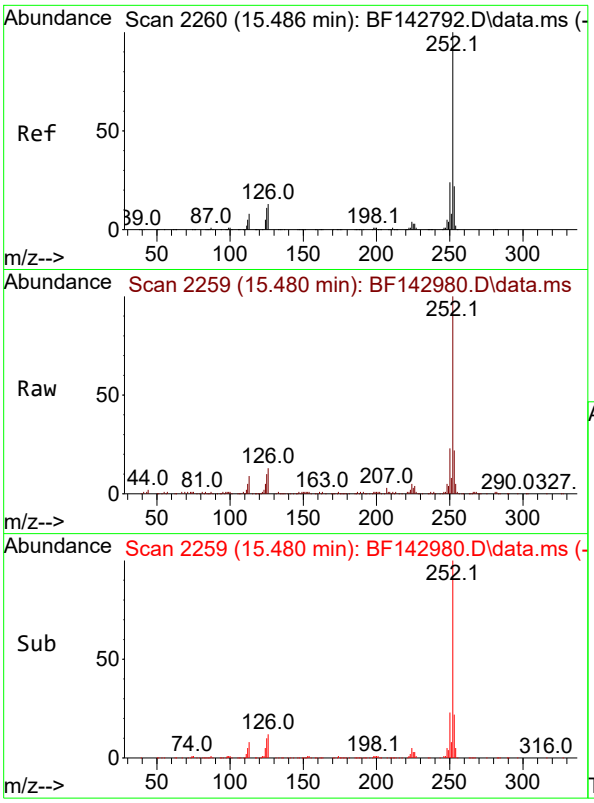


#89
Benzo(k)fluoranthene
Concen: 10.204 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Tgt Ion:252 Resp: 58515

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	9.9	7.4	11.2



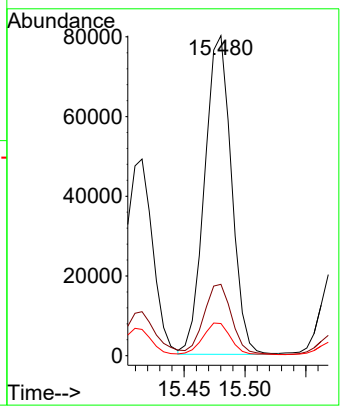


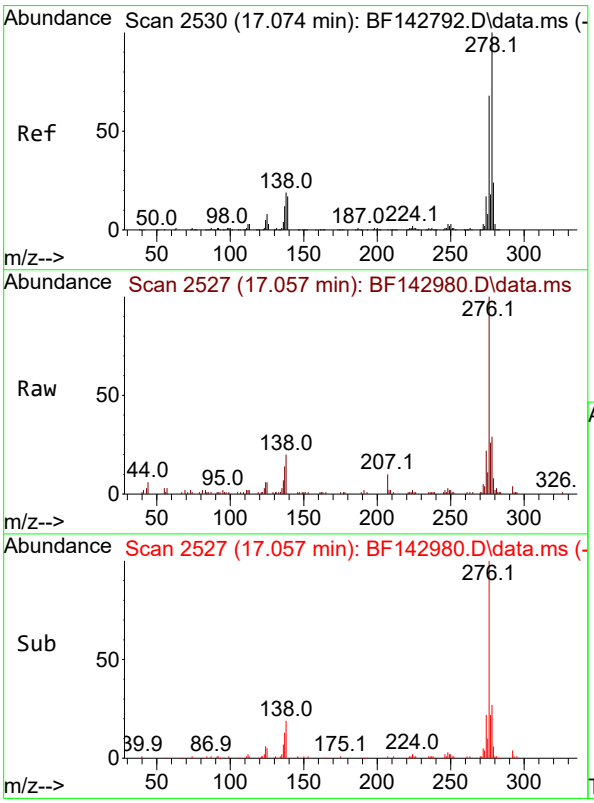
#90
Benzo(a)pyrene
Concen: 20.670 ng
RT: 15.480 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Tgt Ion:252 Resp: 122389

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.0	8.6	12.8

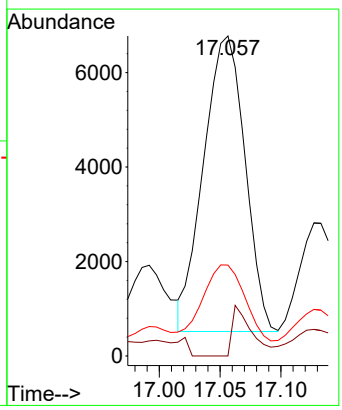


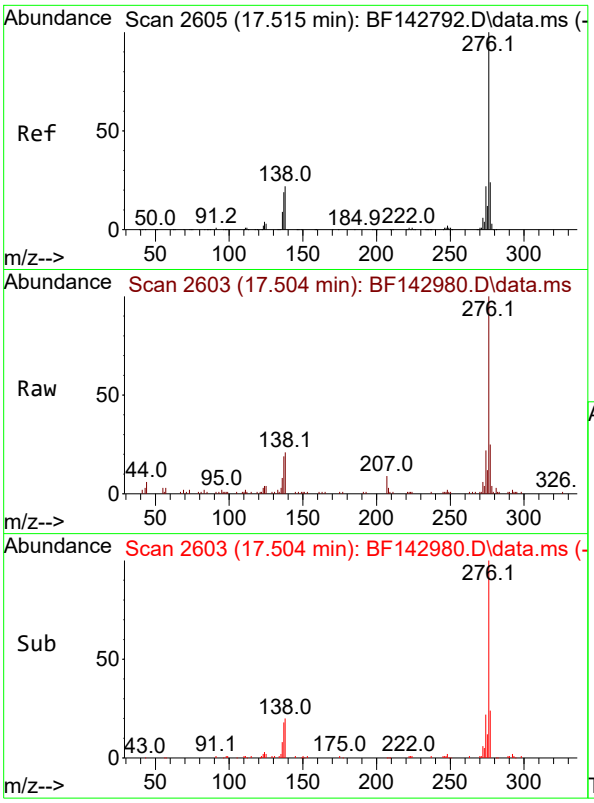


#91
Dibenzo(a,h)anthracene
Concen: 2.263 ng m
RT: 17.057 min Scan# 2527
Delta R.T. -0.018 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Tgt Ion:278 Resp: 14836

Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	28.4	18.8	28.2#





#92
Benzo(g,h,i)perylene
Concen: 8.377 ng
RT: 17.504 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142980.D
Acq: 02 Jul 2025 19:52

Instrument :
BNA_F
ClientSampleId :
PL-2-062725DL

Tgt Ion:276 Resp: 54762

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.8	28.2
138	21.4	17.6	26.4