Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032025\
Data File : BF142017.D
Acq On : 20 Mar 2025 18:05
Operator : RC/JU
Sample : Q1606-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT3025

Quant Time: Mar 20 18:33:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	135406	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	468785	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	208002	20.000	ng		0.00
64) Phenanthrene-d10	11.392	188	309663	20.000	ng		-0.01
76) Chrysene-d12	14.033	240	317974	20.000	ng		0.00
86) Perylene-d12	15.510	264	242352	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	742182	91.478	ng		0.00
7) Phenol-d6	6.498	99	870603	84.280	ng		0.00
23) Nitrobenzene-d5	7.434	82	554464	66.561	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	200072	75.820	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	893656	65.340	ng		-0.01
79) Terphenyl-d14	12.980	244	884949	41.147	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.175	128	175599	7.292	ng		99
52) Acenaphthene	9.939	154	25432	2.070	ng		97
58) Fluorene	10.457	166	42292	3.124	ng		99
71) Phenanthrene	11.422	178	346032	20.688	ng		99
72) Anthracene	11.469	178	129049	7.690	ng		100
75) Fluoranthene	12.610	202	703257	39.637	ng		99
78) Pyrene	12.839	202	678416	24.665	ng		98
81) Benzo(a)anthracene	14.027	228	459894	22.041	ng		96
83) Chrysene	14.063	228	318719	16.851	ng		96
87) Indeno(1,2,3-cd)pyrene	16.992	276	109258m	6.969	ng		
88) Benzo(b)fluoranthene	15.080	252	347518m	20.923	ng		
89) Benzo(k)fluoranthene	15.098	252	105254m	7.405	ng		
90) Benzo(a)pyrene	15.445	252	252400	19.421	ng		96
91) Dibenzo(a,h)anthracene	17.004	278	33452	2.586	ng	#	82
92) Benzo(g,h,i)perylene	17.439	276	97121	7.598	ng		96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032025\
Data File : BF142017.D
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Misc :
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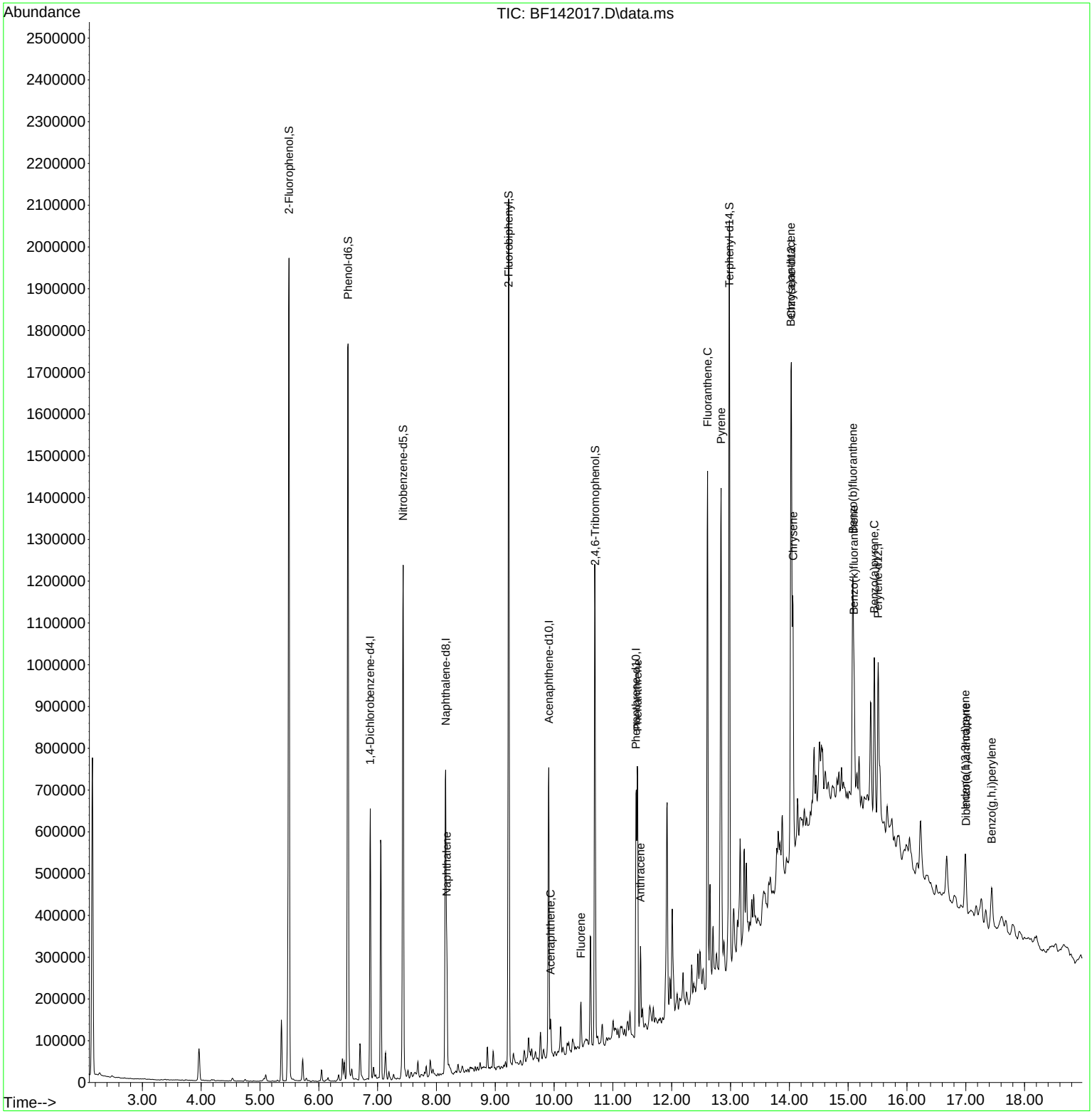
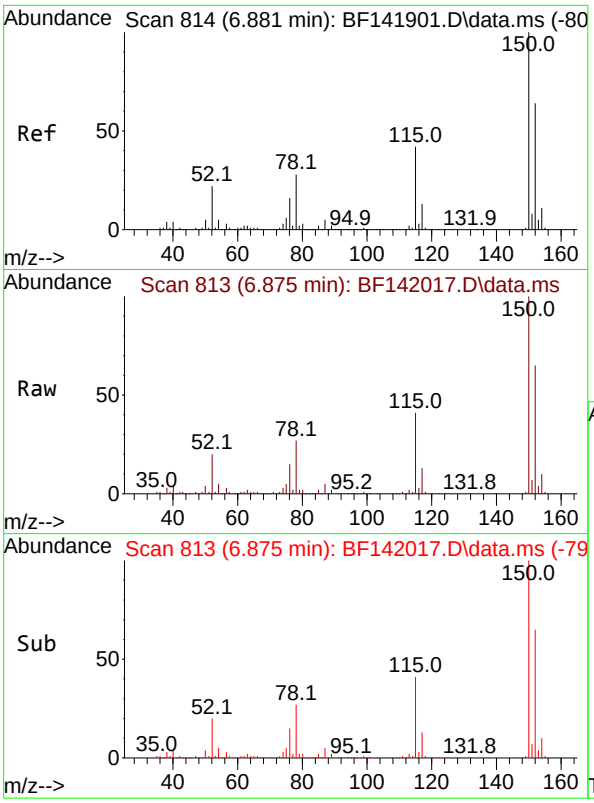


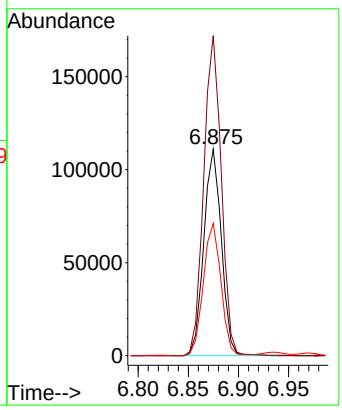


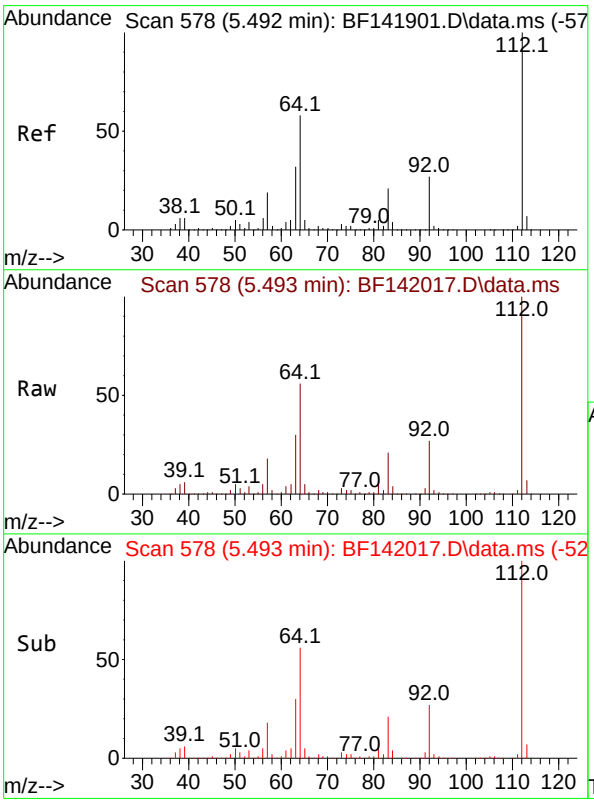
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Instrument :
BNA_F
ClientSampleId :
RT3025

Tgt Ion:152 Resp: 135406

Ion	Ratio	Lower	Upper
152	100		
150	154.9	127.4	191.2
115	64.0	51.9	77.9

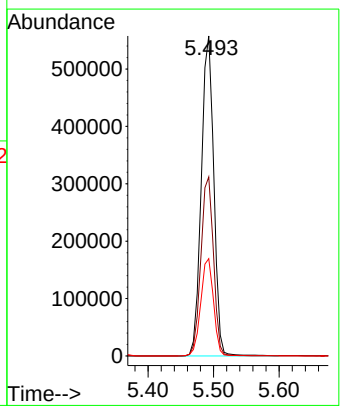


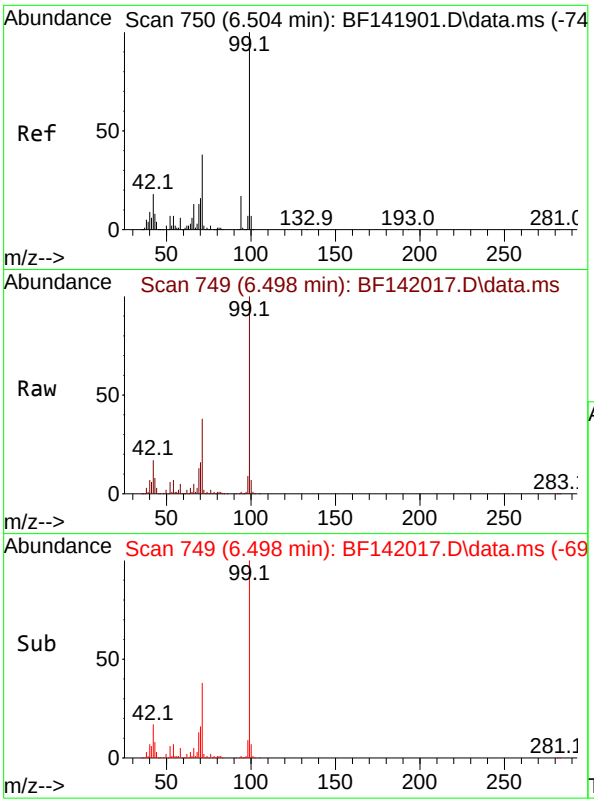


#5
2-Fluorophenol
Concen: 91.478 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Tgt Ion:112 Resp: 742182

Ion	Ratio	Lower	Upper
112	100		
64	56.0	46.5	69.7
63	30.4	25.4	38.2



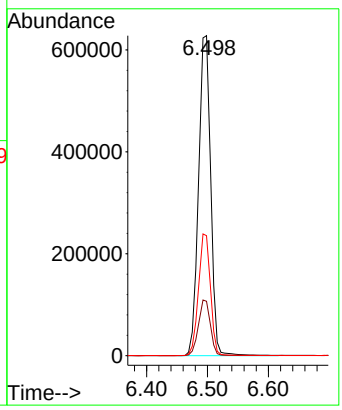


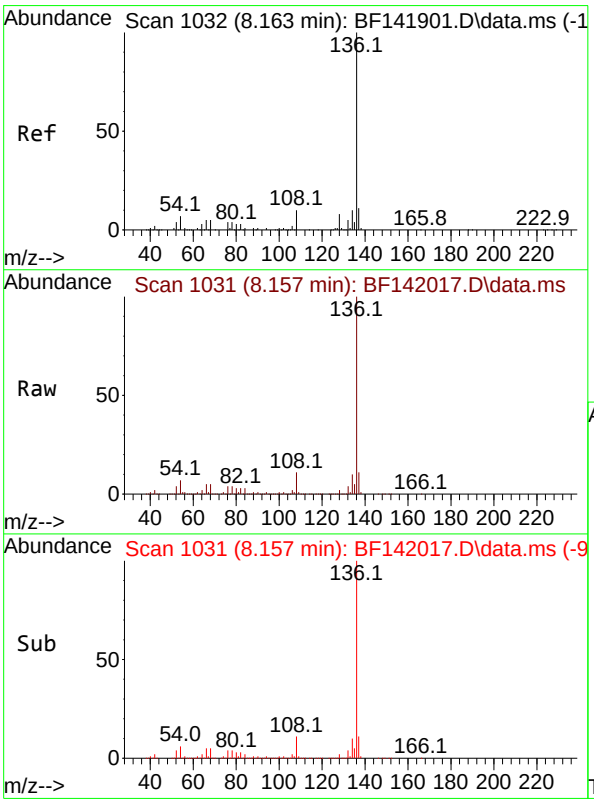
#7
Phenol-d6
Concen: 84.280 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Instrument :
BNA_F
ClientSampleId :
RT3025

Tgt Ion: 99 Resp: 870603

Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.6	21.8
71	37.5	30.8	46.2

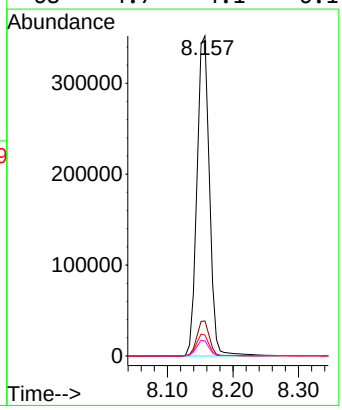


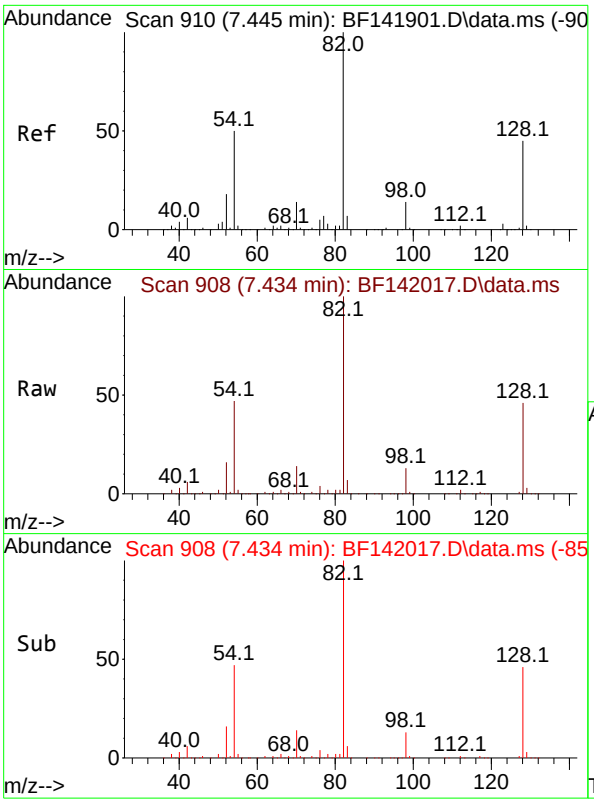


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Tgt Ion:136 Resp: 468785

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.5	5.8	8.8
68	4.7	4.1	6.1



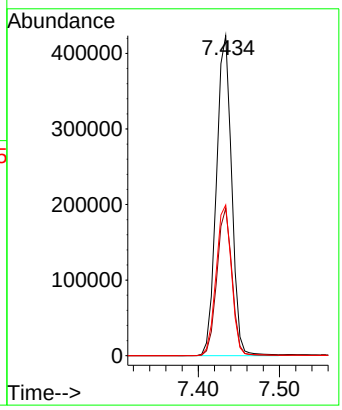


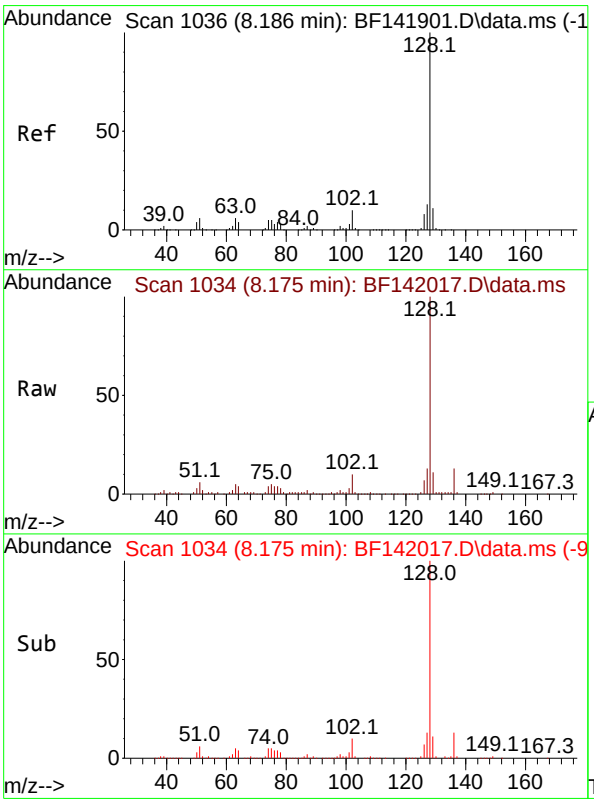
#23
Nitrobenzene-d5
Concen: 66.561 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Instrument :
BNA_F
ClientSampleId :
RT3025

Tgt Ion: 82 Resp: 554464

Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.0	54.0
54	47.1	39.6	59.4

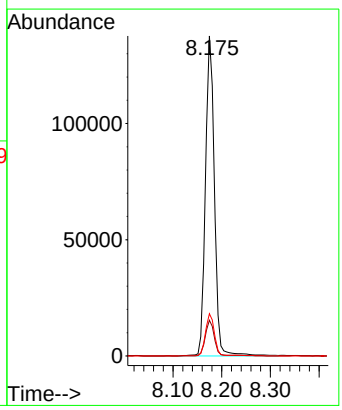


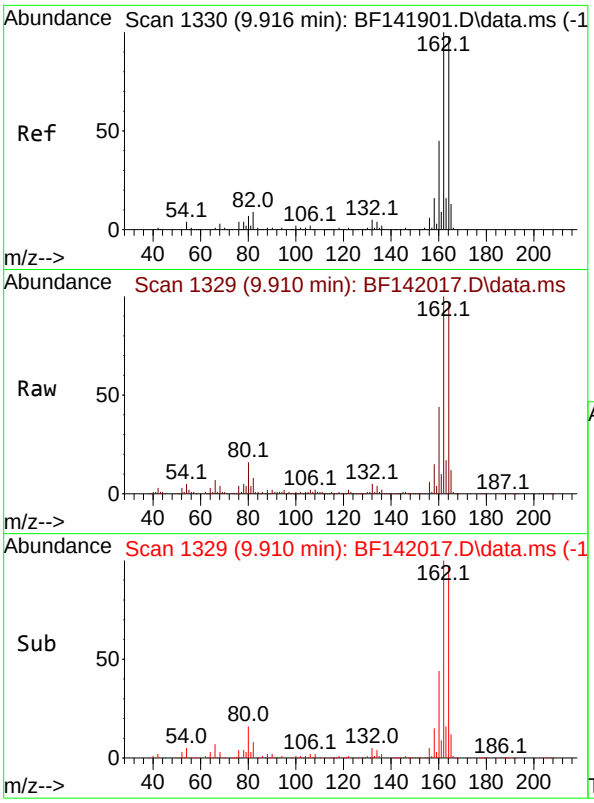


#31
Naphthalene
Concen: 7.292 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Tgt Ion:128 Resp: 175599

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.2	10.8	16.2



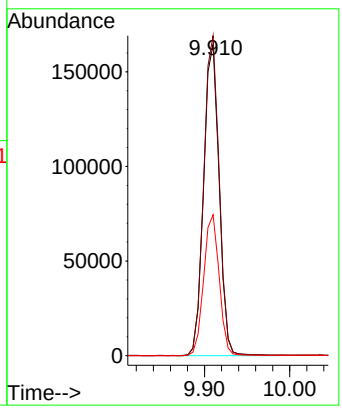


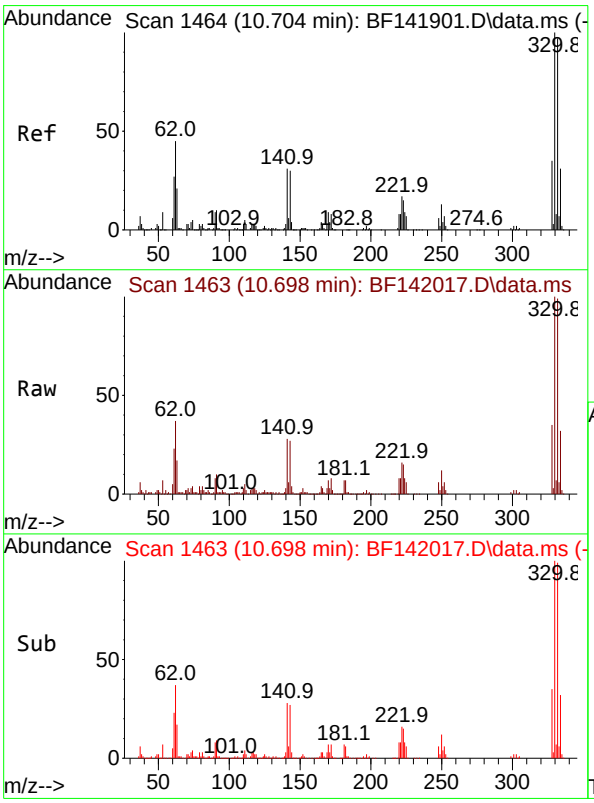
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Instrument :
BNA_F
ClientSampleId :
RT3025

Tgt Ion:164 Resp: 208002

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.8	122.6
160	45.3	36.7	55.1

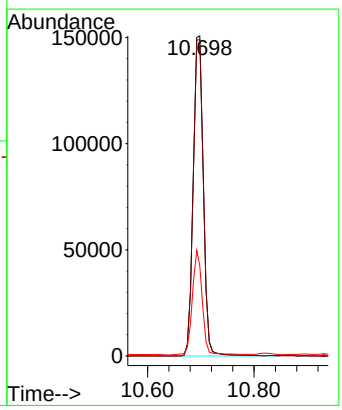


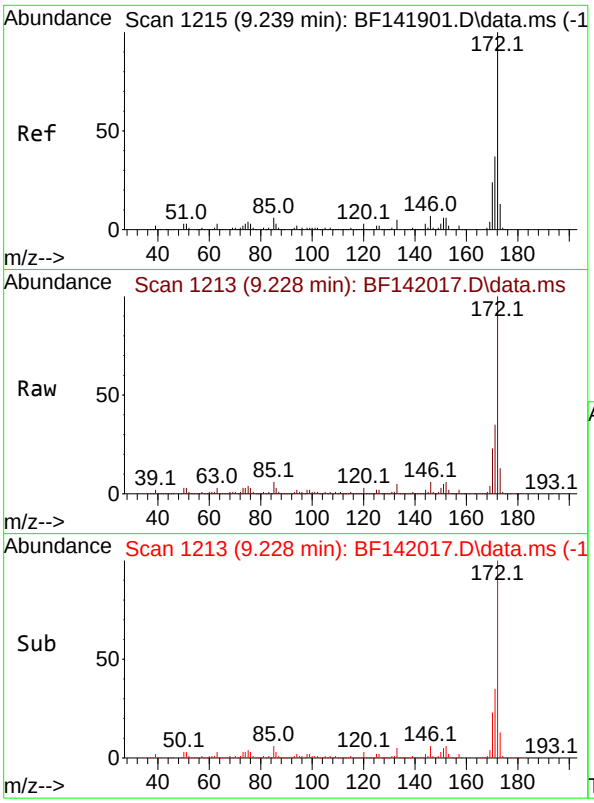


#42
2,4,6-Tribromophenol
Concen: 75.820 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Tgt Ion:330 Resp: 200072

Ion	Ratio	Lower	Upper
330	100		
332	98.7	77.6	116.4
141	32.1	24.7	37.1



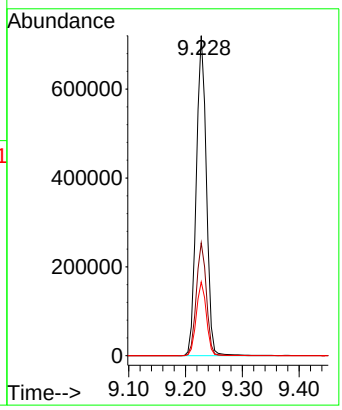


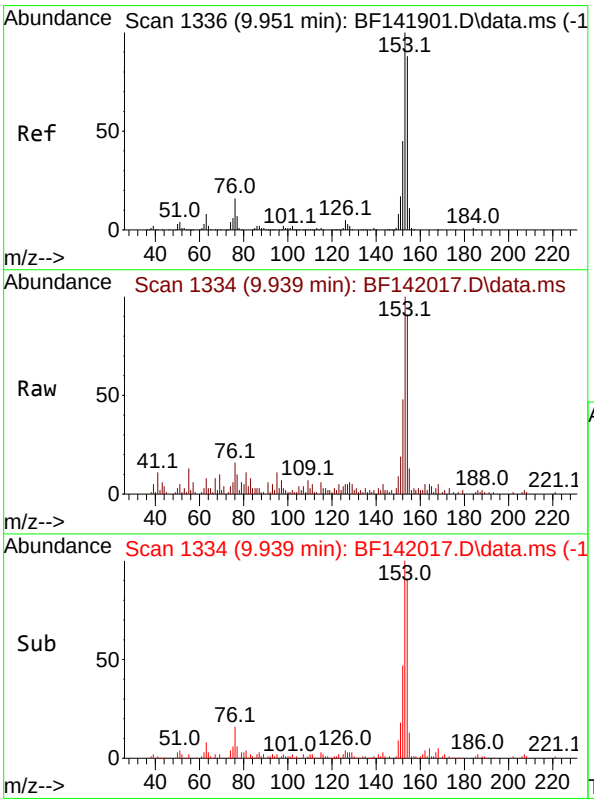
#45
2-Fluorobiphenyl
Concen: 65.340 ng
RT: 9.228 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Instrument :
BNA_F
ClientSampleId :
RT3025

Tgt Ion:172 Resp: 893656

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.3	43.9
170	23.1	19.4	29.0

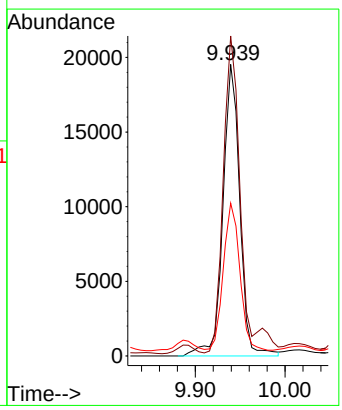


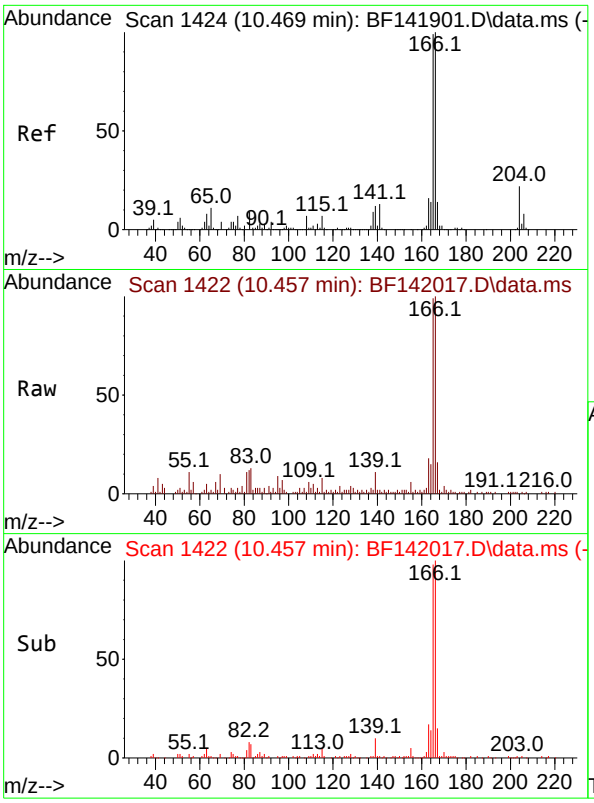


#52
Acenaphthene
Concen: 2.070 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Tgt Ion:154 Resp: 25432

Ion	Ratio	Lower	Upper
154	100		
153	109.8	90.7	136.1
152	52.4	41.1	61.7



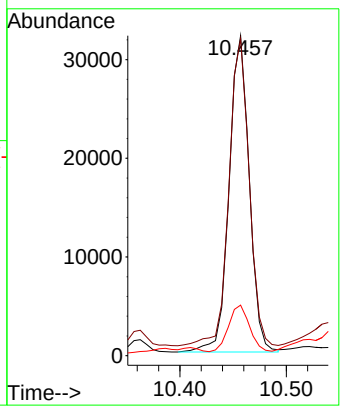


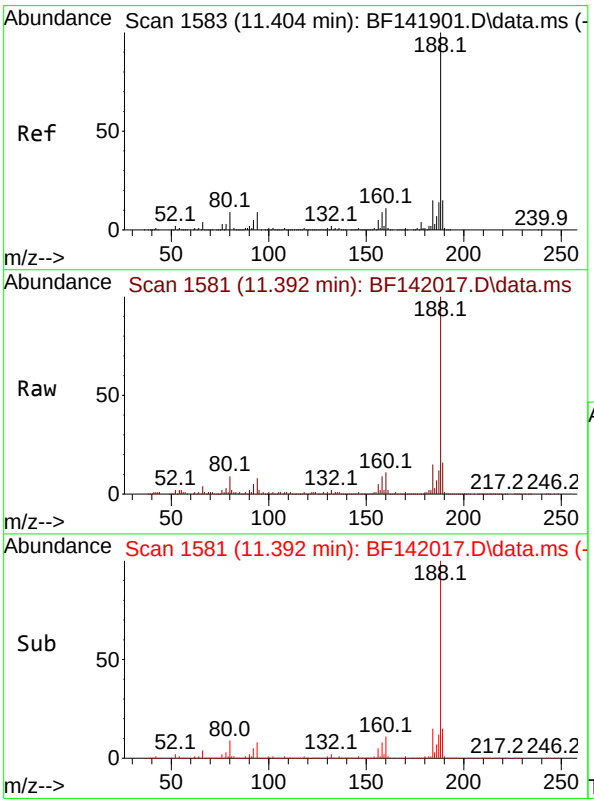
#58
Fluorene
Concen: 3.124 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Instrument :
BNA_F
ClientSampleId :
RT3025

Tgt Ion:166 Resp: 42292

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.0	118.4
167	15.8	11.0	16.4

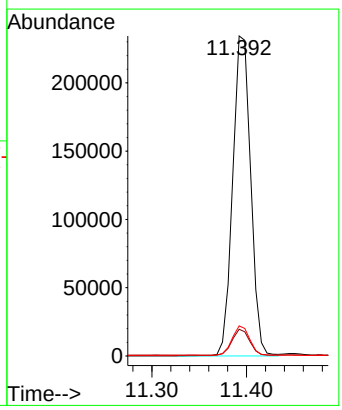


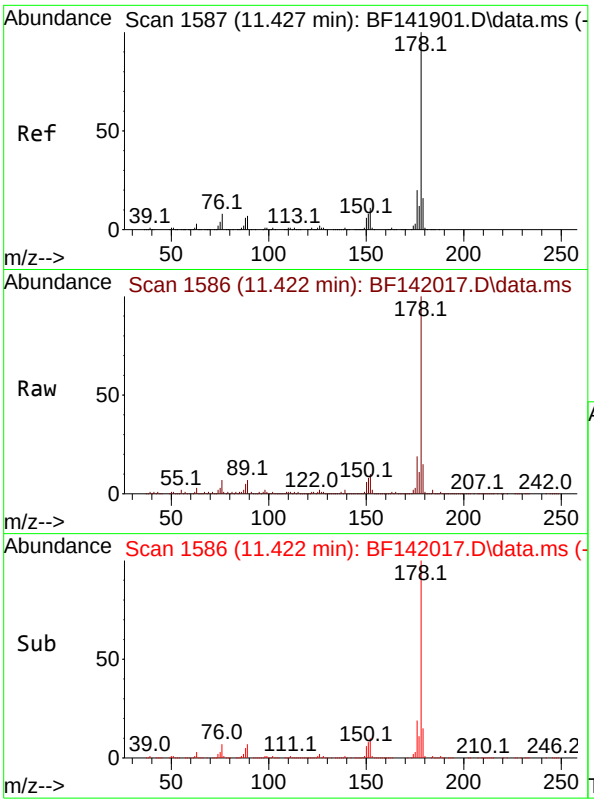


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Tgt Ion:188 Resp: 309663

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.8	10.2
80	9.4	7.6	11.4



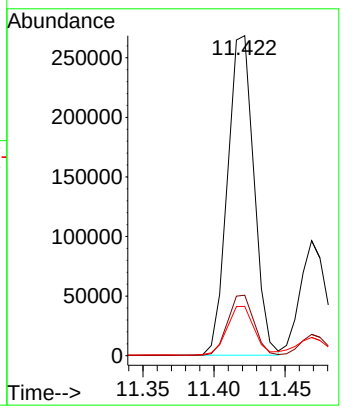


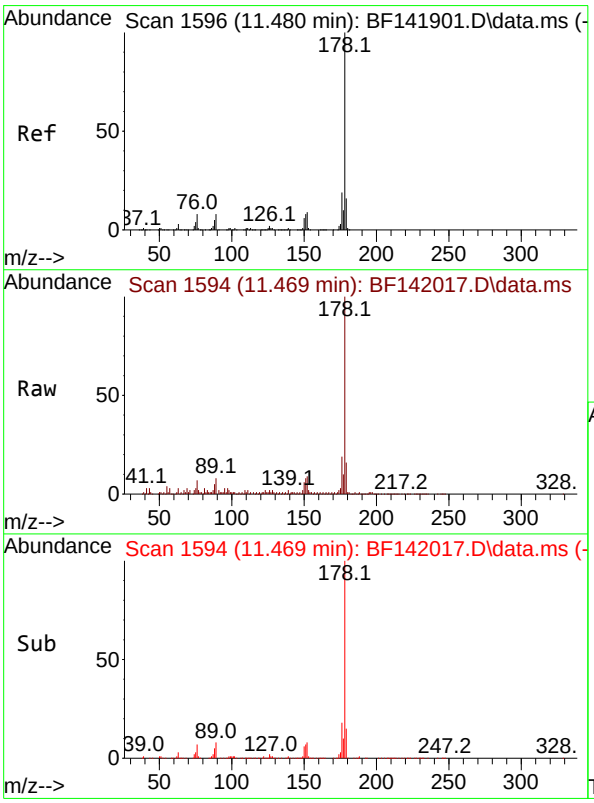
#71
Phenanthrene
Concen: 20.688 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Instrument :
BNA_F
ClientSampleId :
RT3025

Tgt Ion:178 Resp: 346032

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.4	12.6	19.0

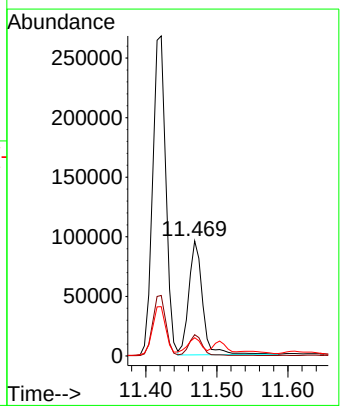


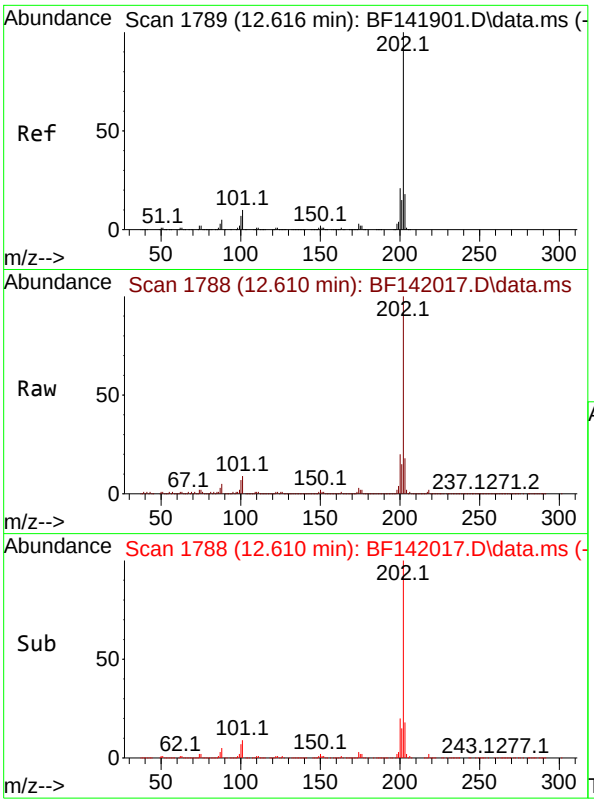


#72
Anthracene
Concen: 7.690 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Tgt Ion:178 Resp: 129049

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.8	12.6	19.0



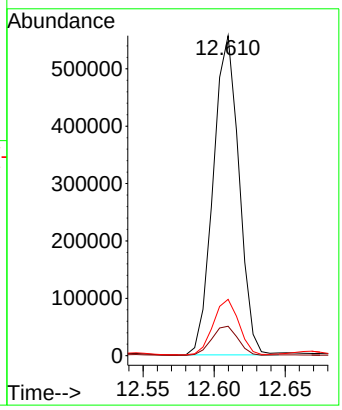


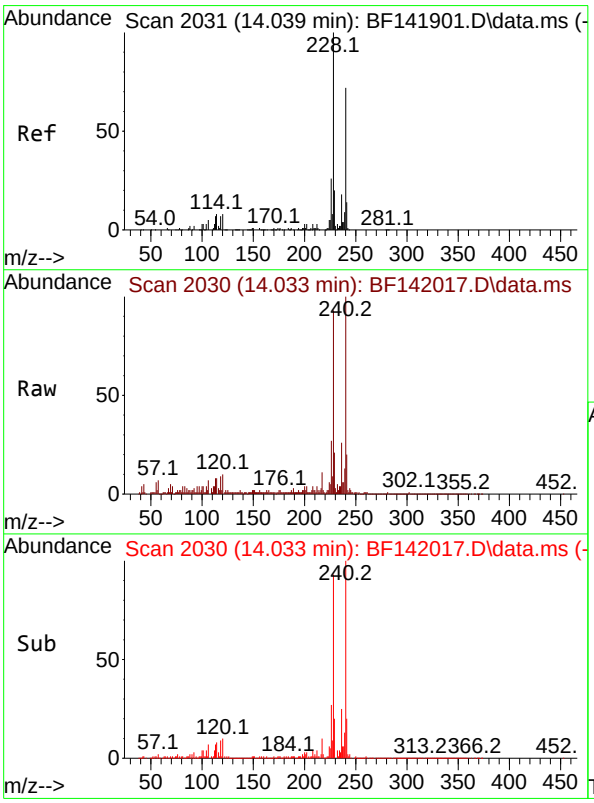
#75
Fluoranthene
Concen: 39.637 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Instrument :
BNA_F
ClientSampleId :
RT3025

Tgt Ion:202 Resp: 703257

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.7
203	17.6	0.0	37.8

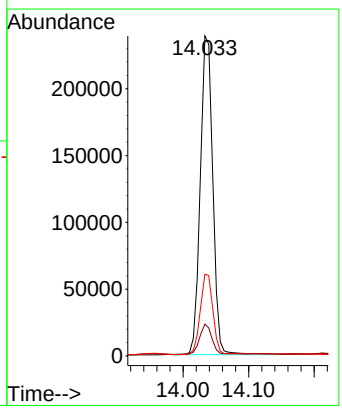


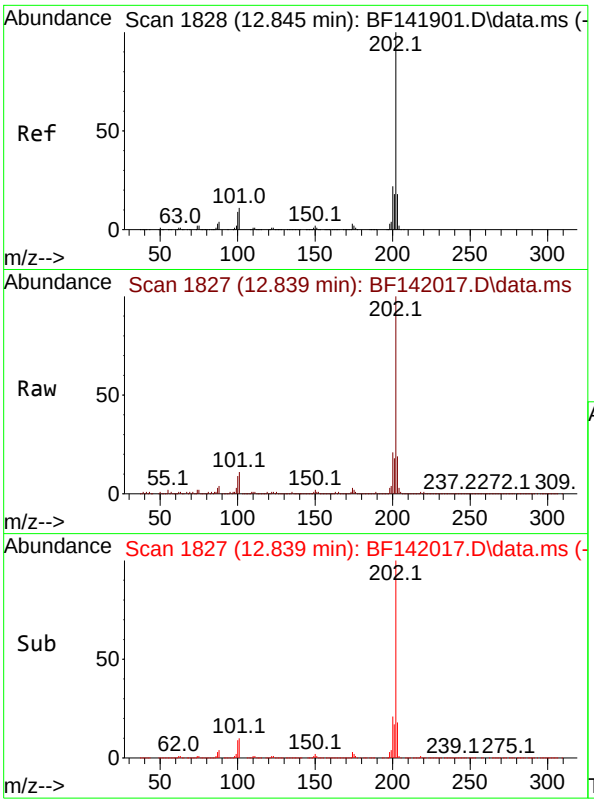


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Tgt Ion:240 Resp: 317974

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.4	12.6
236	25.6	20.5	30.7



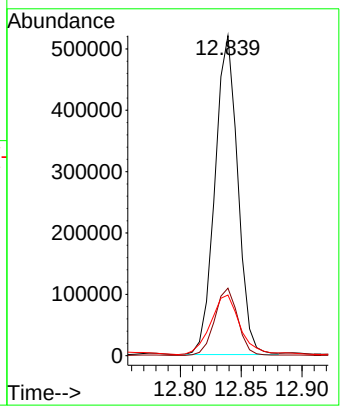


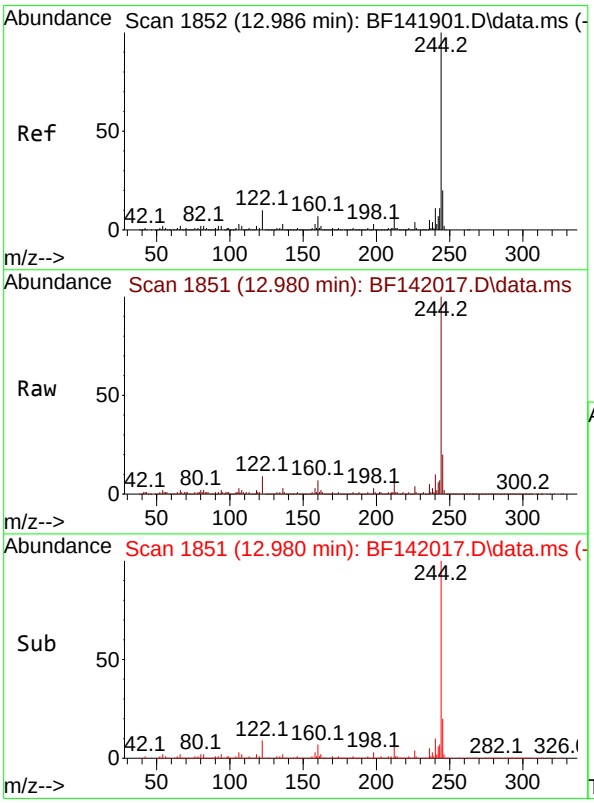
#78
Pyrene
Concen: 24.665 ng
RT: 12.839 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Instrument :
BNA_F
ClientSampleId :
RT3025

Tgt Ion:202 Resp: 678416

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9
203	18.9	14.4	21.6

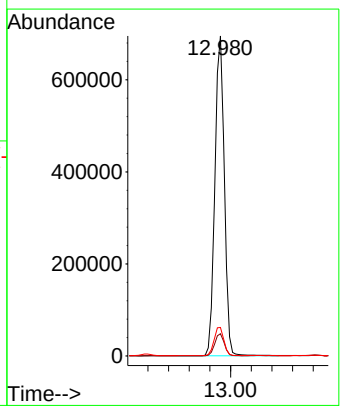


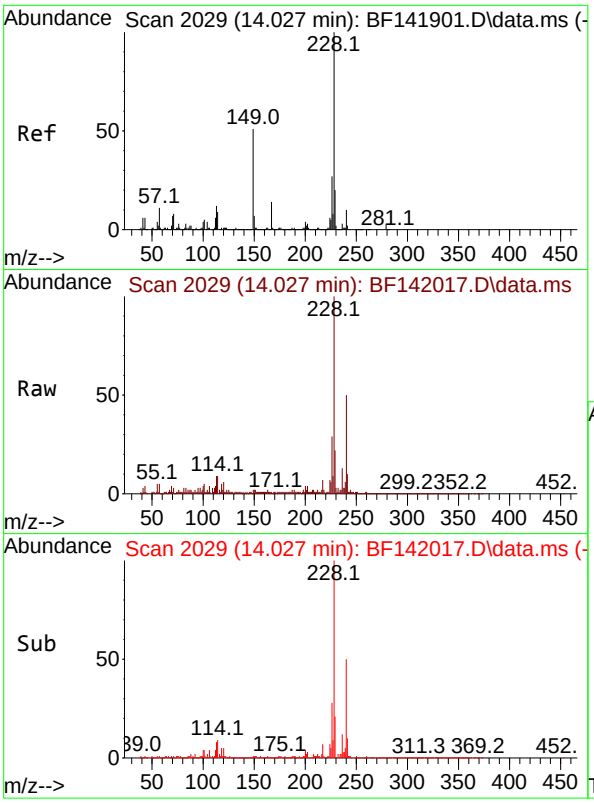


#79
Terphenyl-d14
Concen: 41.147 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Tgt Ion:244 Resp: 884949

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	8.9	7.7	11.5



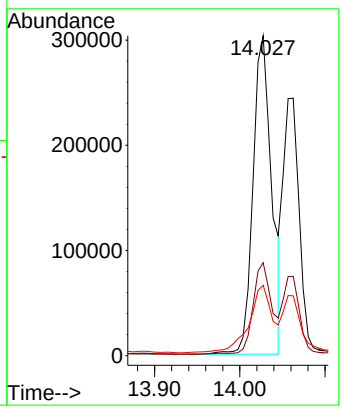


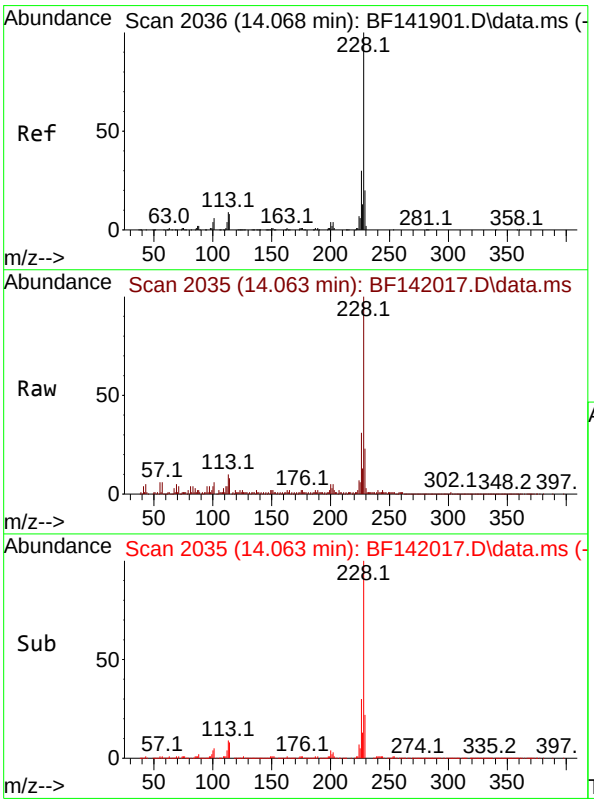
#81
Benzo(a)anthracene
Concen: 22.041 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Instrument :
BNA_F
ClientSampleId :
RT3025

Tgt Ion:228 Resp: 459894

Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.8	32.8
229	22.0	16.0	24.0

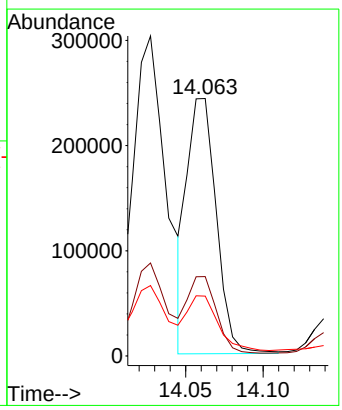


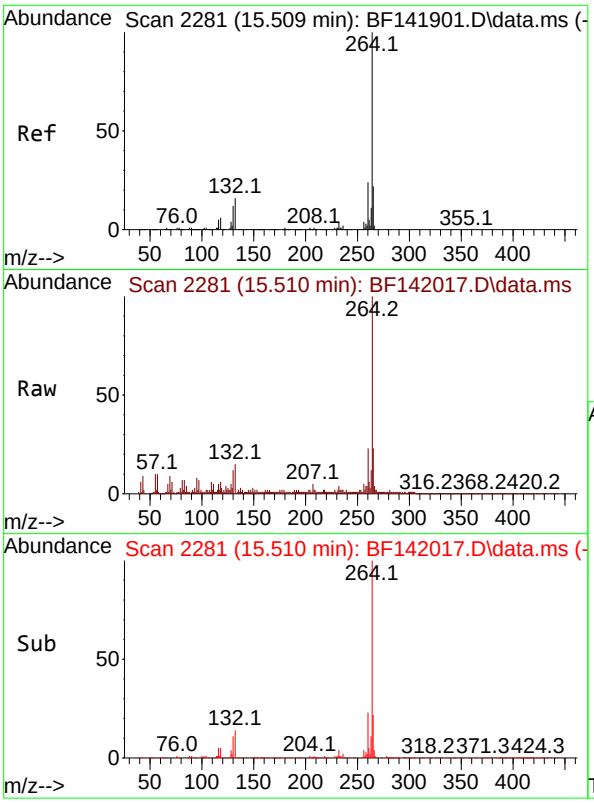


#83
Chrysene
Concen: 16.851 ng
RT: 14.063 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Tgt Ion:228 Resp: 318719

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.1	36.1
229	23.2	15.7	23.5



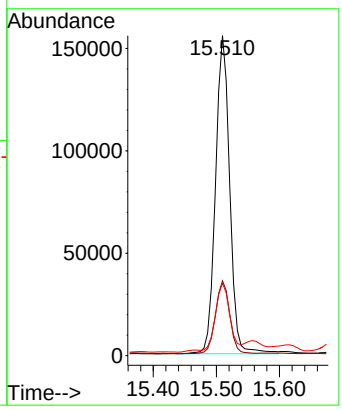


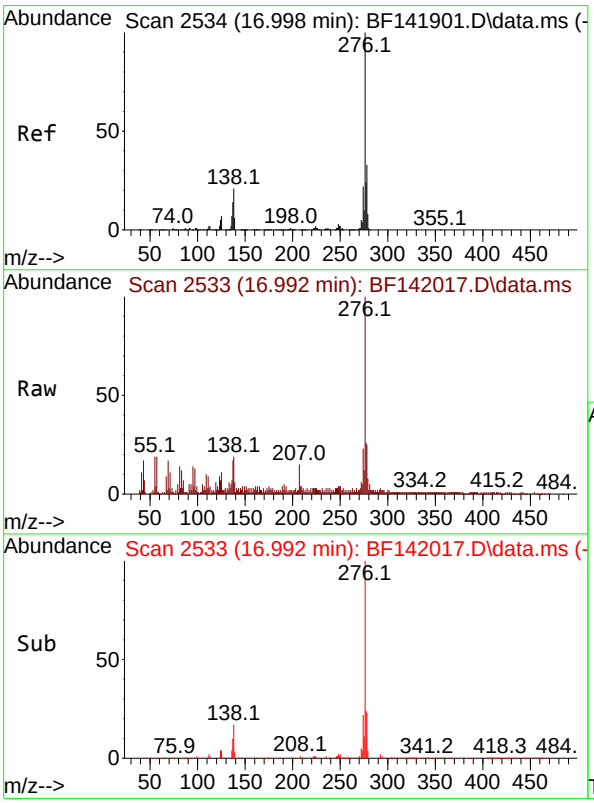
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Instrument :
BNA_F
ClientSampleId :
RT3025

Tgt Ion:264 Resp: 242352

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	22.7	17.5	26.3

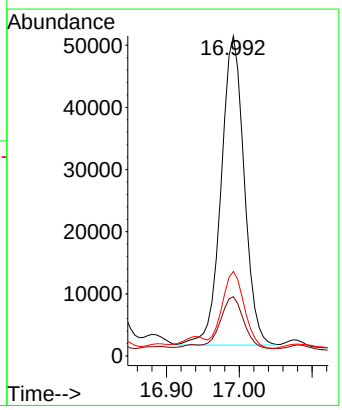


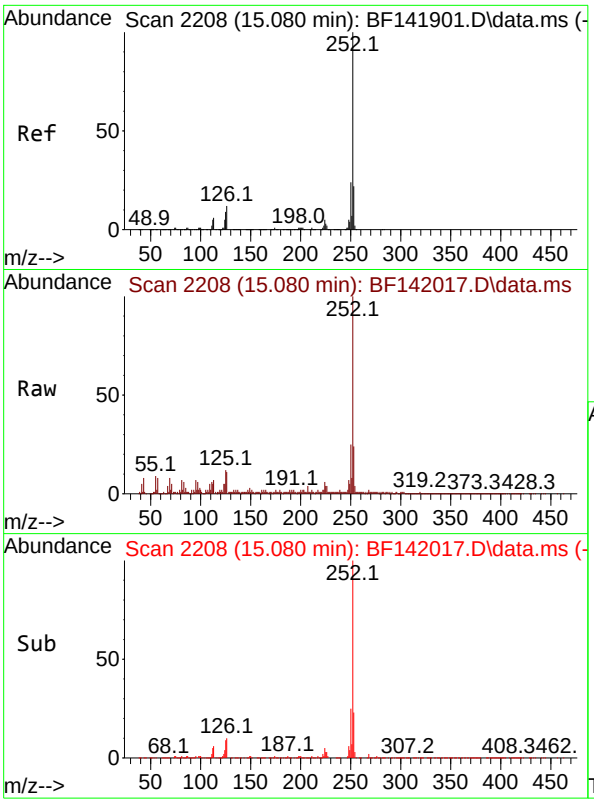


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.969 ng m
RT: 16.992 min Scan# 2533
Delta R.T. -0.006 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Tgt Ion:276 Resp: 109258

Ion	Ratio	Lower	Upper
276	100		
138	0.7	18.4	27.6#
277	0.9	20.3	30.5#



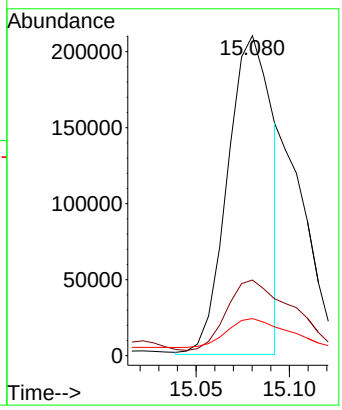


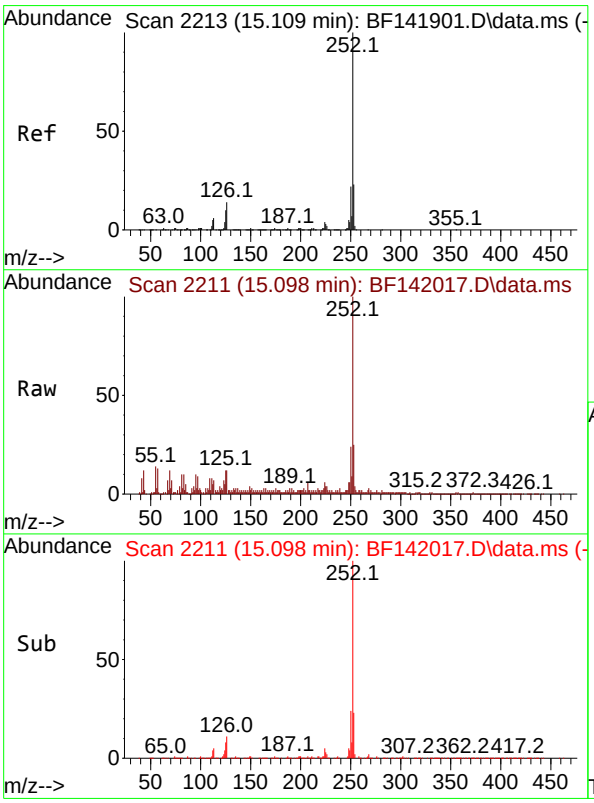
#88
Benzo(b)fluoranthene
Concen: 20.923 ng m
RT: 15.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Instrument :
BNA_F
ClientSampleId :
RT3025

Tgt Ion:252 Resp: 347518

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	11.6	7.0	10.4#

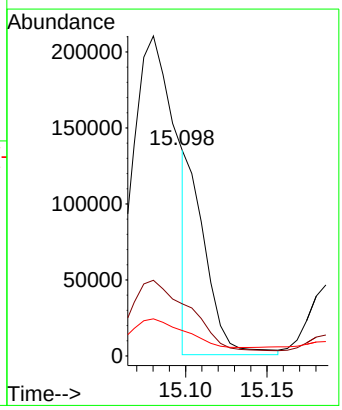


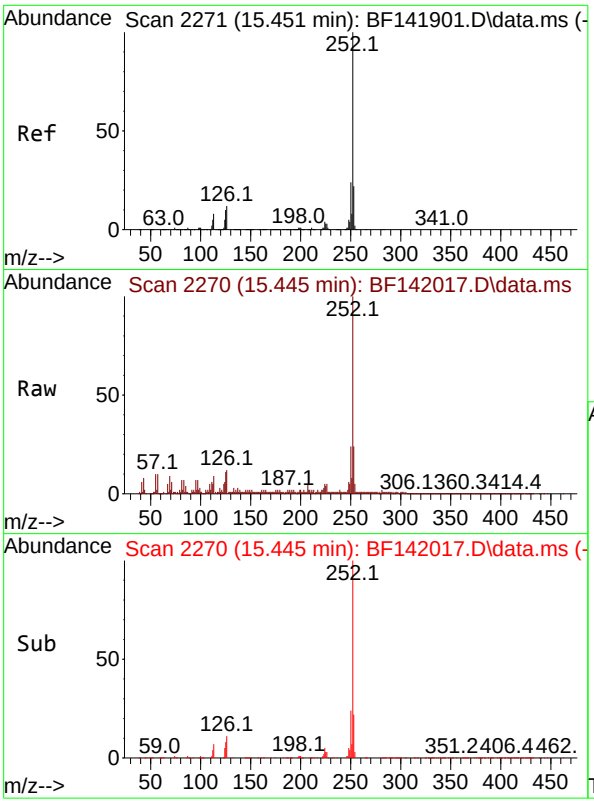


#89
Benzo(k)fluoranthene
Concen: 7.405 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Tgt Ion:252 Resp: 105254

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.7	26.5
125	12.4	7.2	10.8#



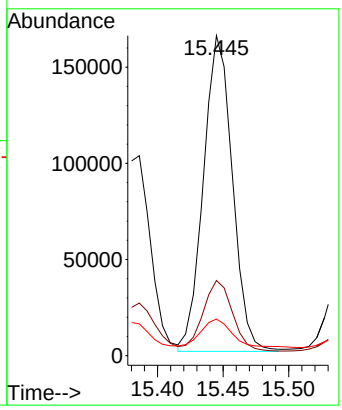


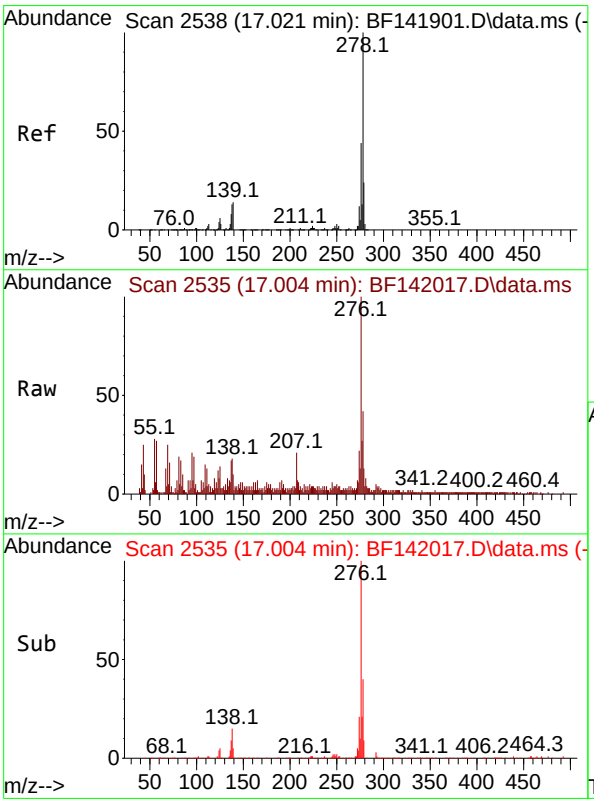
#90
Benzo(a)pyrene
Concen: 19.421 ng
RT: 15.445 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Instrument :
BNA_F
ClientSampleId :
RT3025

Tgt Ion:252 Resp: 252400

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	11.4	7.8	11.8

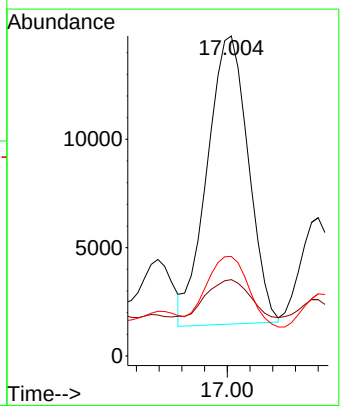


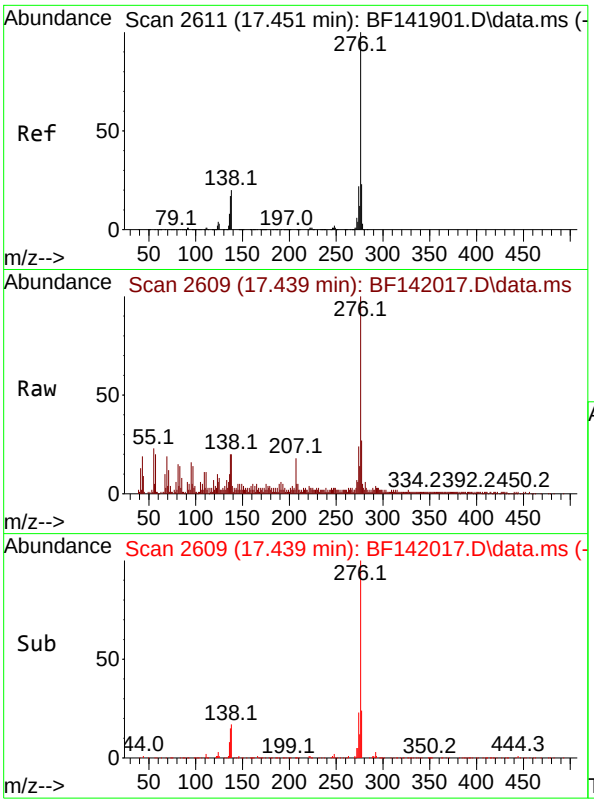


#91
Dibenzo(a,h)anthracene
Concen: 2.586 ng
RT: 17.004 min Scan# 2535
Delta R.T. -0.018 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Tgt Ion:278 Resp: 33452

Ion	Ratio	Lower	Upper
278	100		
139	23.8	11.4	17.2#
279	31.1	18.8	28.2#





#92
Benzo(g,h,i)perylene
Concen: 7.598 ng
RT: 17.439 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142017.D
Acq: 20 Mar 2025 18:05

Instrument :
BNA_F
ClientSampleId :
RT3025

Tgt Ion:276 Resp: 97121

Ion	Ratio	Lower	Upper
276	100		
277	26.8	18.7	28.1
138	19.9	15.8	23.8