Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032025\
Data File : BF142020.D
Acq On : 20 Mar 2025 19:35
Operator : RC/JU
Sample : Q1603-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-070-031925

Quant Time: Mar 21 01:08:36 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	124541	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	412707	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	198659	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	362717	20.000	ng		0.00
76) Chrysene-d12	14.039	240	306849	20.000	ng		0.00
86) Perylene-d12	15.515	264	216981	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	408536	54.747	ng		0.00
7) Phenol-d6	6.492	99	477578	50.266	ng		-0.01
23) Nitrobenzene-d5	7.434	82	302454	41.242	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	129479	51.375	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	544911	41.715	ng		-0.01
79) Terphenyl-d14	12.980	244	756154	36.433	ng		0.00
Target Compounds							Qvalue
37) 2-Methylnaphthalene	8.869	142	38116	2.690	ng		97
38) 1-Methylnaphthalene	8.969	142	33451	2.446	ng		92
58) Fluorene	10.457	166	41587	3.217	ng	#	91
71) Phenanthrene	11.422	178	369006	18.835	ng		99
72) Anthracene	11.474	178	124092	6.313	ng		97
75) Fluoranthene	12.616	202	981399	47.223	ng		99
78) Pyrene	12.845	202	1001829	37.744	ng		99
81) Benzo(a)anthracene	14.027	228	512317	25.443	ng		96
83) Chrysene	14.063	228	414839	22.728	ng		96
87) Indeno(1,2,3-cd)pyrene	16.998	276	157272	11.205	ng	#	94
88) Benzo(b)fluoranthene	15.080	252	446040m	29.994	ng		
89) Benzo(k)fluoranthene	15.098	252	152589m	11.990	ng		
90) Benzo(a)pyrene	15.451	252	303810	26.110	ng		98
91) Dibenzo(a,h)anthracene	17.009	278	42554	3.674	ng	#	77
92) Benzo(g,h,i)perylene	17.451	276	158731	13.870	ng		97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032025\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
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NB-070-031925

Quant Time: Mar 21 01:08:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
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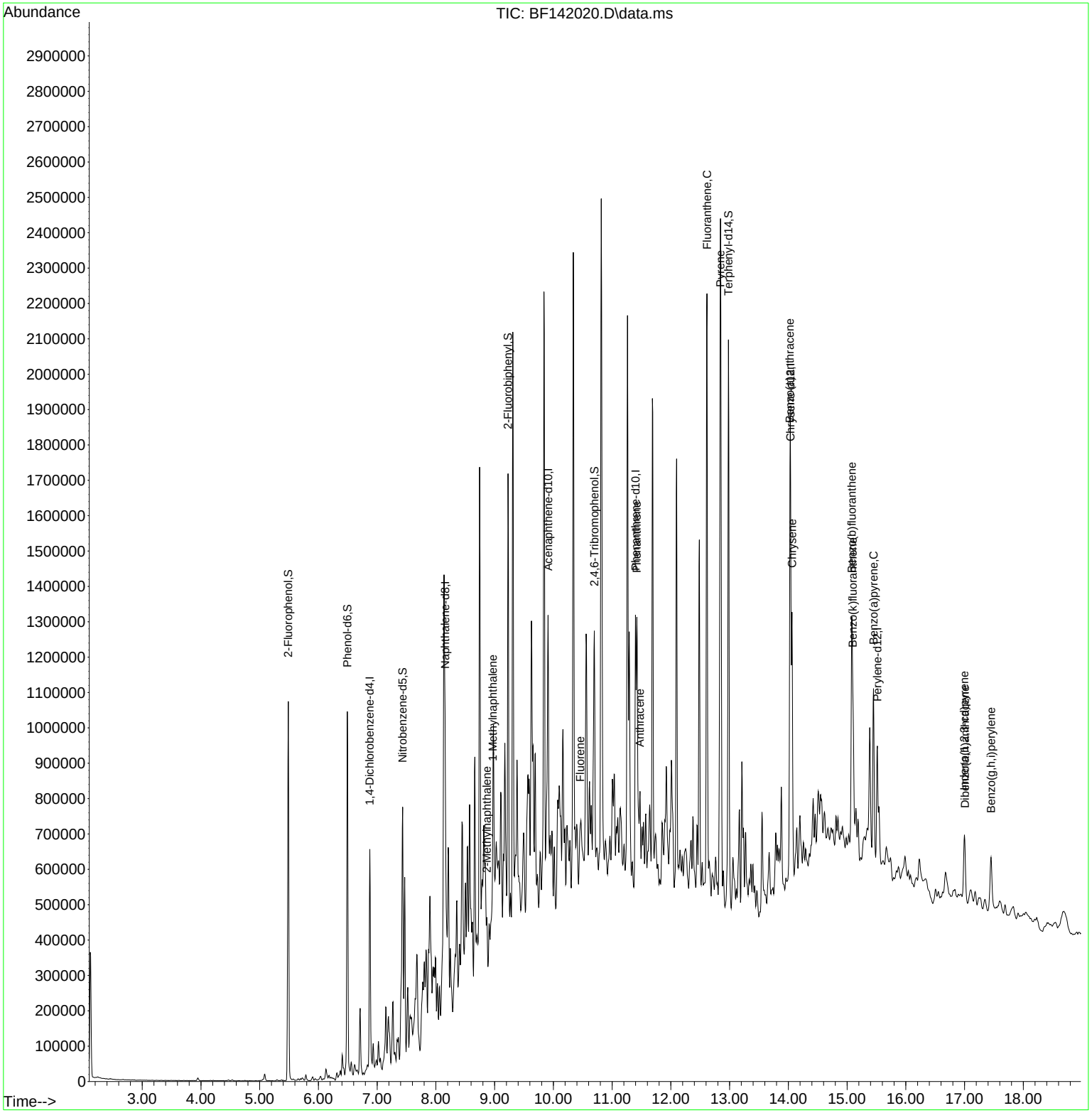
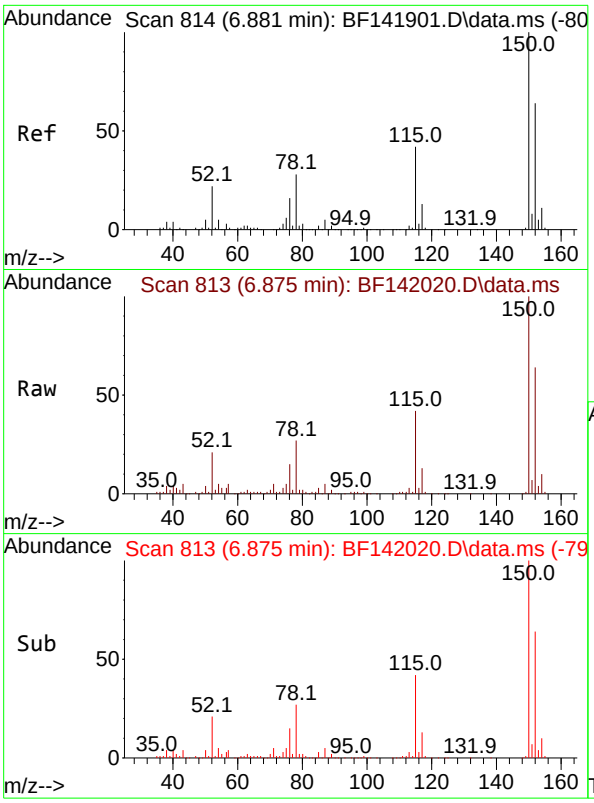


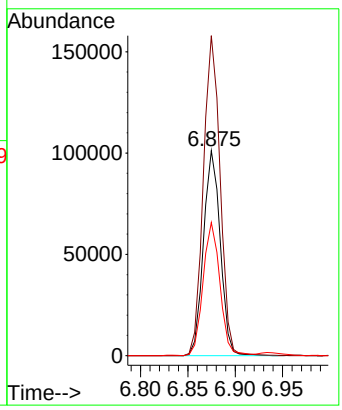


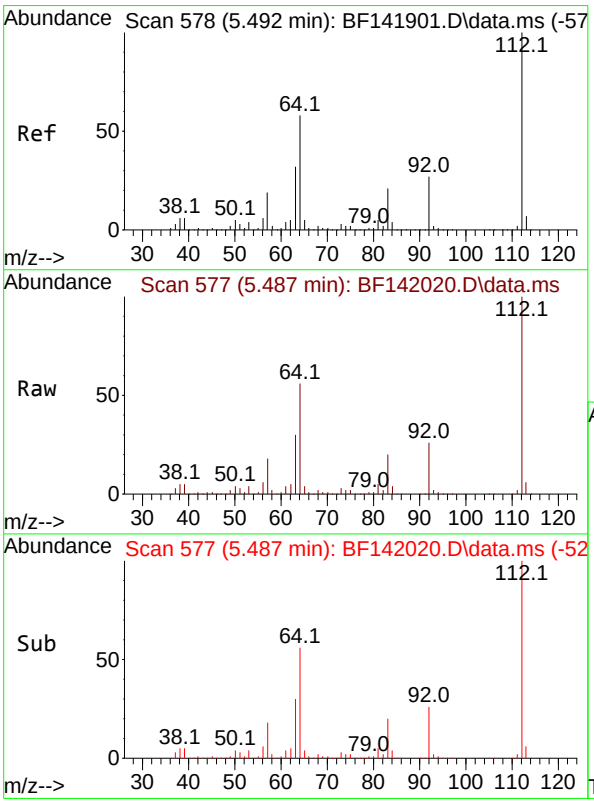
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Instrument :
BNA_F
ClientSampleId :
NB-070-031925

Tgt Ion:152 Resp: 124541

Ion	Ratio	Lower	Upper
152	100		
150	156.2	127.4	191.2
115	65.0	51.9	77.9

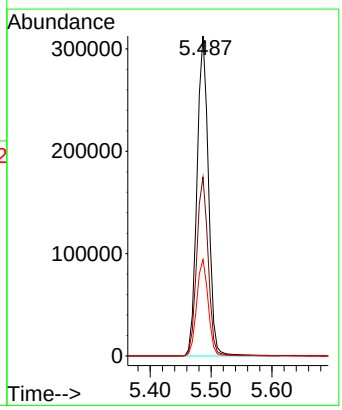


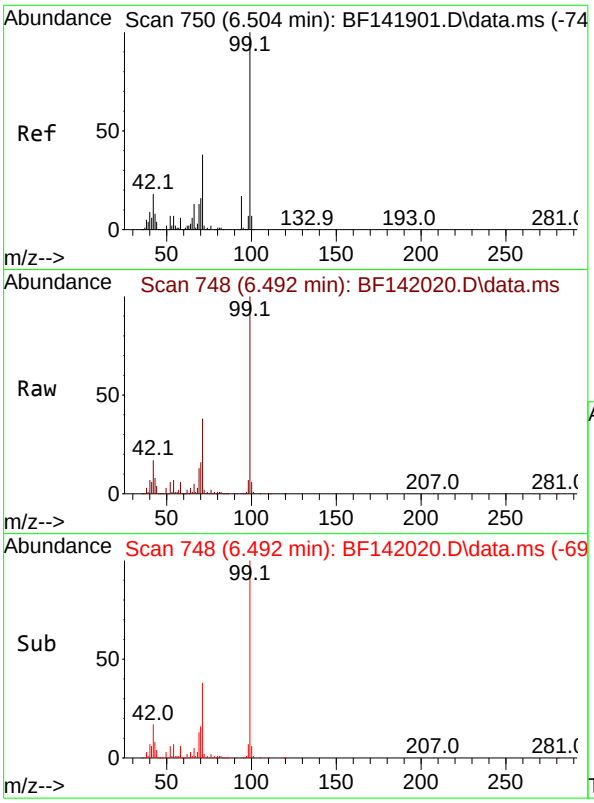


#5
2-Fluorophenol
Concen: 54.747 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Tgt Ion:112 Resp: 408536

Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.5	69.7
63	30.2	25.4	38.2



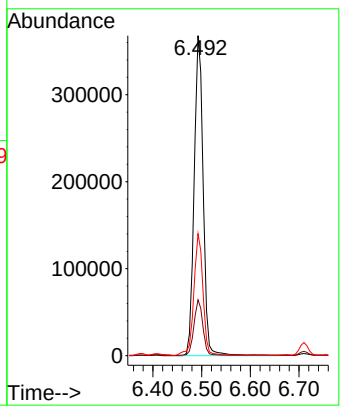


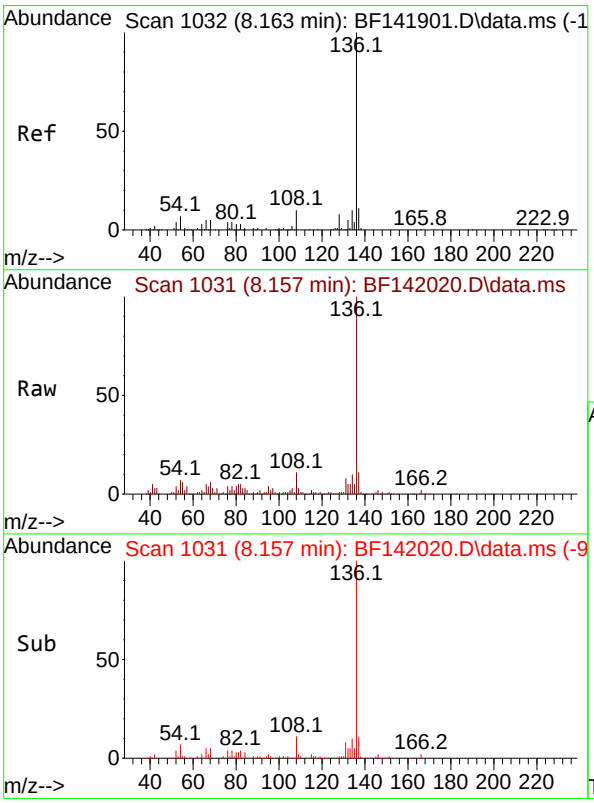
#7
Phenol-d6
Concen: 50.266 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Instrument :
BNA_F
ClientSampleId :
NB-070-031925

Tgt Ion: 99 Resp: 477578

Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.6	21.8
71	38.1	30.8	46.2

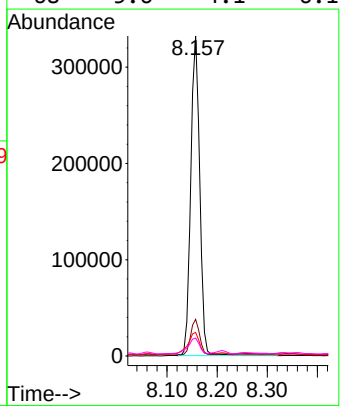


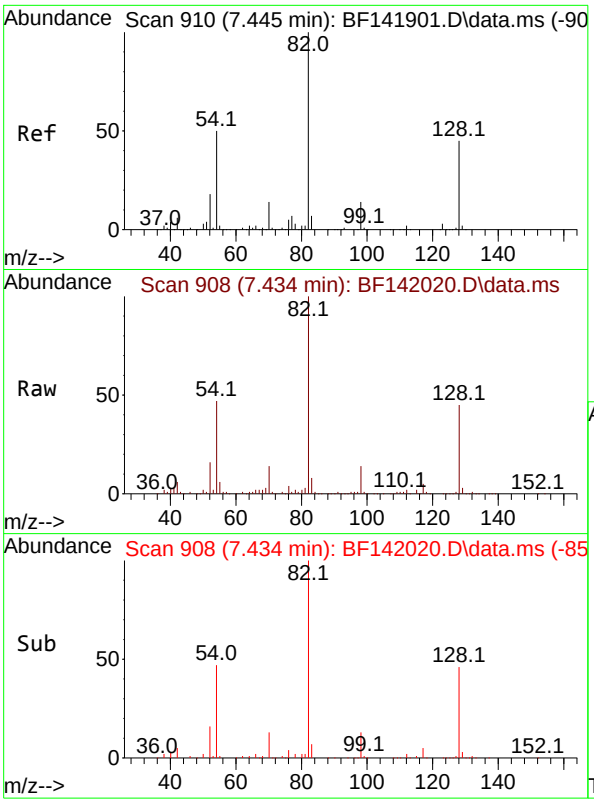


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Tgt Ion:136 Resp: 412707

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	7.4	5.8	8.8
68	5.6	4.1	6.1



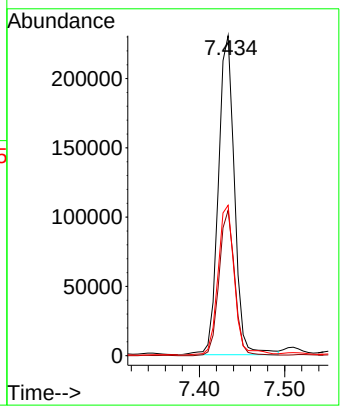


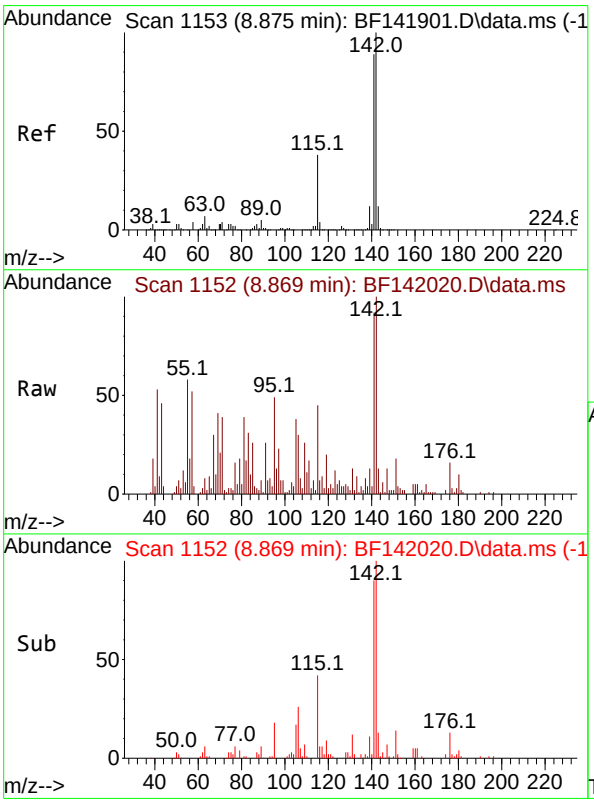
#23
Nitrobenzene-d5
Concen: 41.242 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Instrument :
BNA_F
ClientSampleId :
NB-070-031925

Tgt Ion: 82 Resp: 302454

Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.0	54.0
54	47.0	39.6	59.4

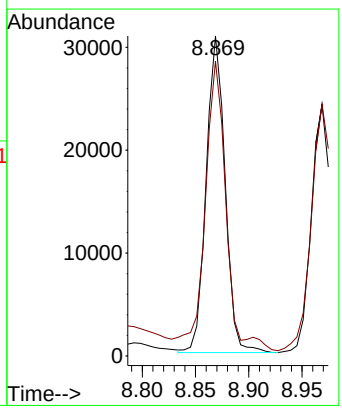


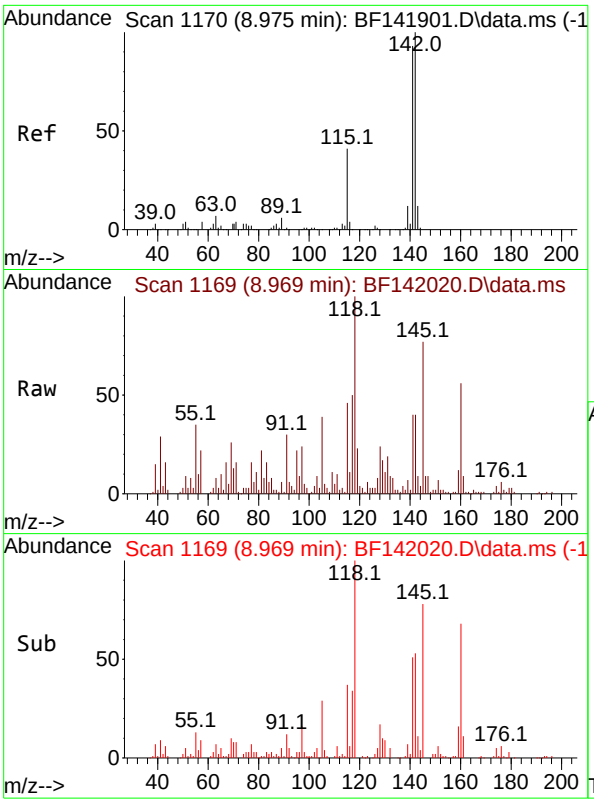


#37
2-Methylnaphthalene
Concen: 2.690 ng
RT: 8.869 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Tgt Ion:142 Resp: 38116

Ion	Ratio	Lower	Upper
142	100		
141	92.2	71.2	106.8



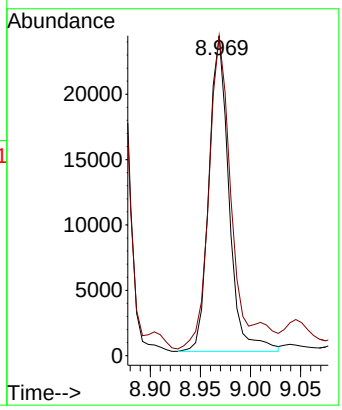


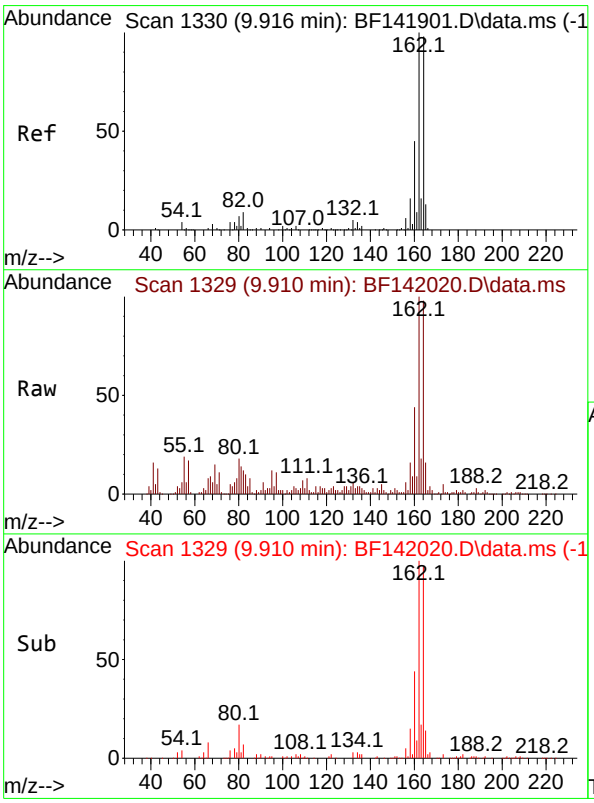
#38
1-Methylnaphthalene
Concen: 2.446 ng
RT: 8.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Instrument :
BNA_F
ClientSampleId :
NB-070-031925

Tgt Ion:142 Resp: 33451

Ion	Ratio	Lower	Upper
142	100		
141	100.2	74.2	111.4

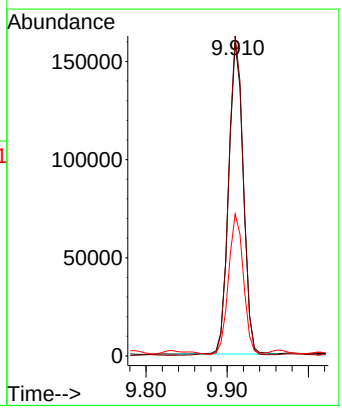


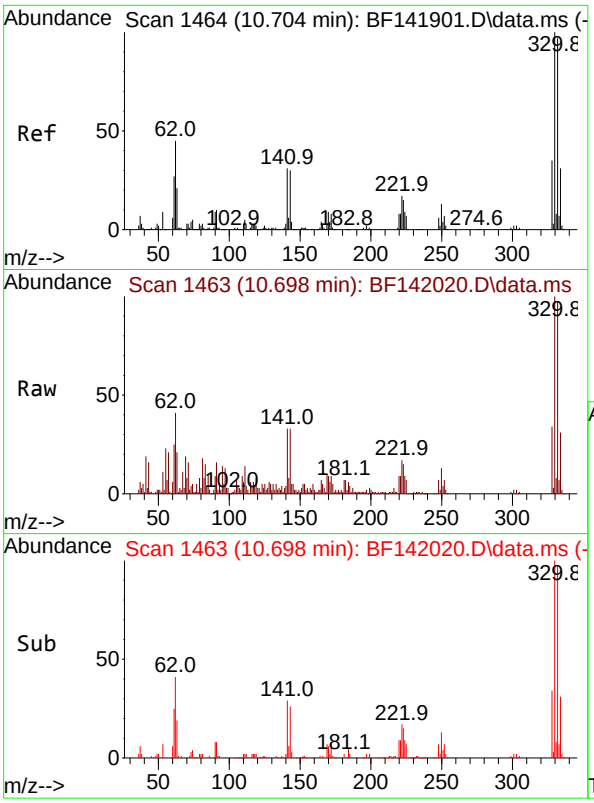


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Tgt Ion:164 Resp: 198659

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.6
160	45.4	36.7	55.1



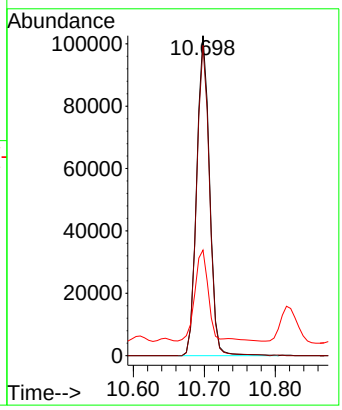


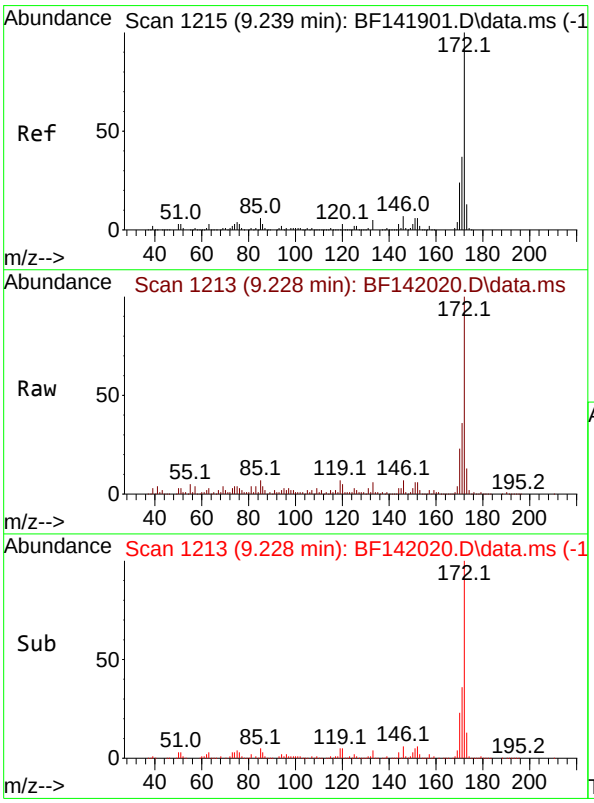
#42
2,4,6-Tribromophenol
Concen: 51.375 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Instrument :
BNA_F
ClientSampleId :
NB-070-031925

Tgt Ion:330 Resp: 129479

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.6	116.4
141	29.3	24.7	37.1

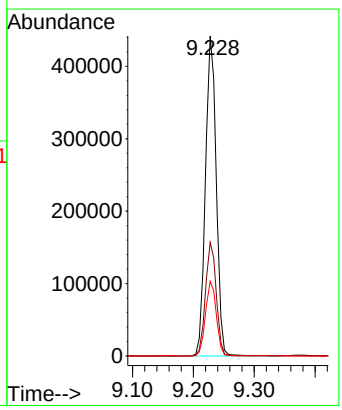


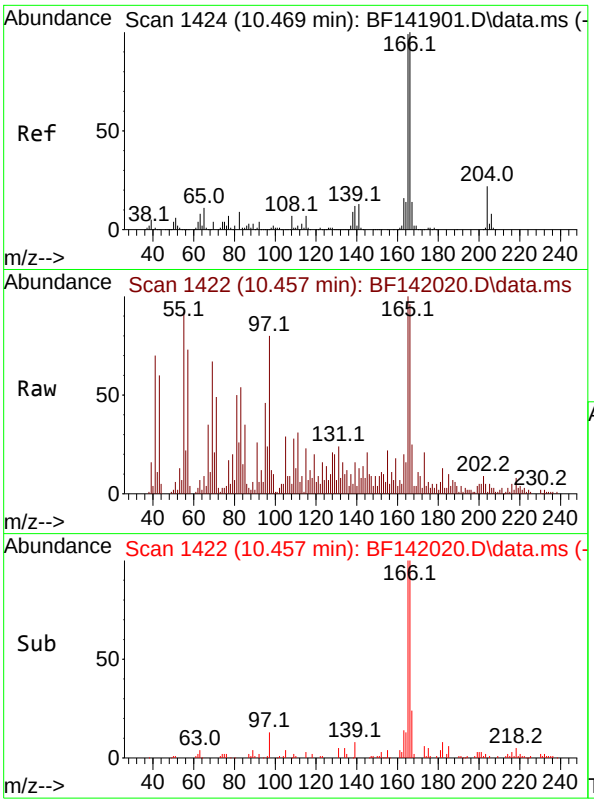


#45
2-Fluorobiphenyl
Concen: 41.715 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Tgt Ion:172 Resp: 544911

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.3	43.9
170	23.3	19.4	29.0



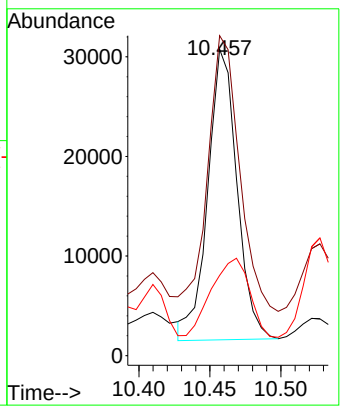


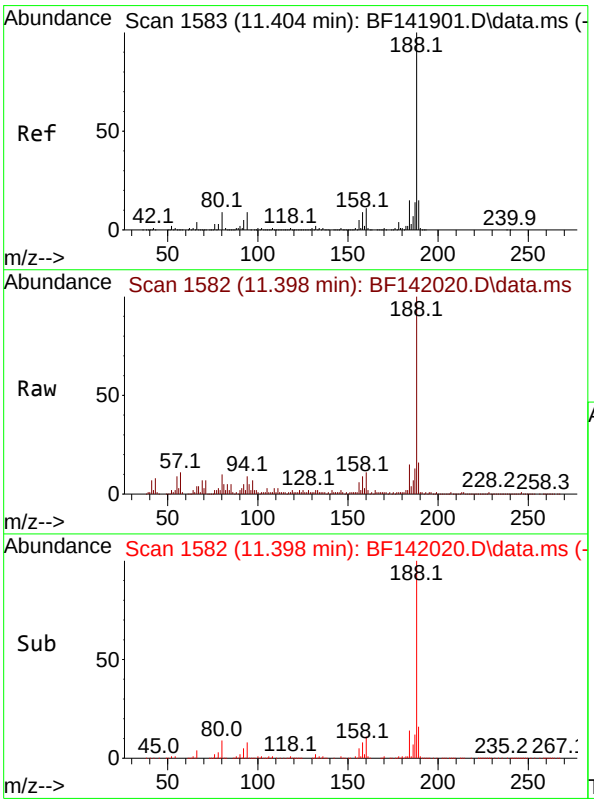
#58
Fluorene
Concen: 3.217 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Instrument :
BNA_F
ClientSampleId :
NB-070-031925

Tgt Ion:166 Resp: 41587

Ion	Ratio	Lower	Upper
166	100		
165	104.4	79.0	118.4
167	26.2	11.0	16.4#

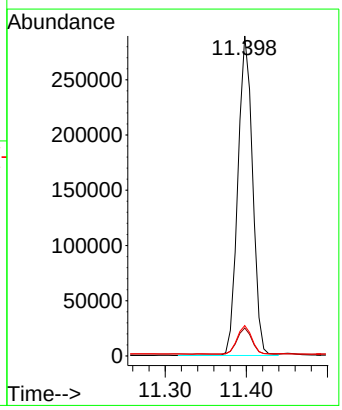


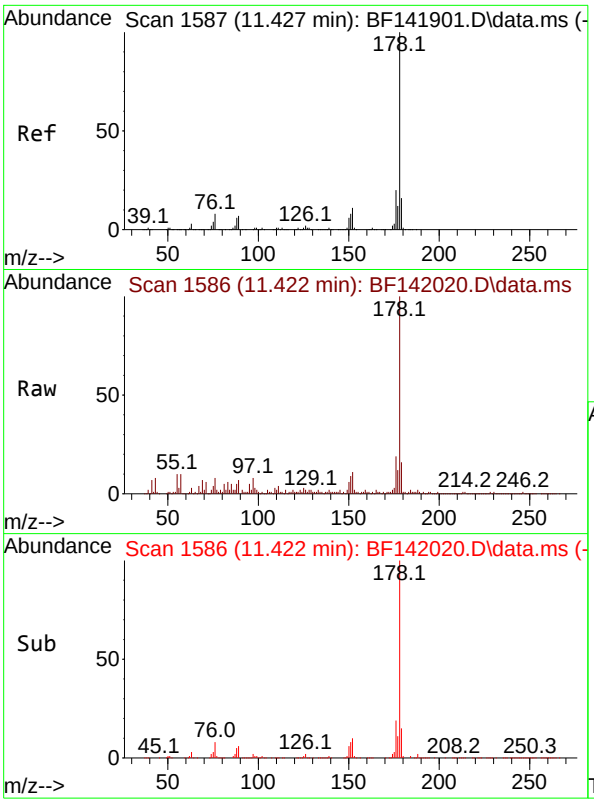


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Tgt Ion:188 Resp: 362717

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.8	10.2
80	9.5	7.6	11.4



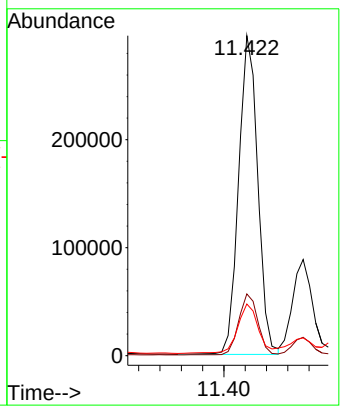


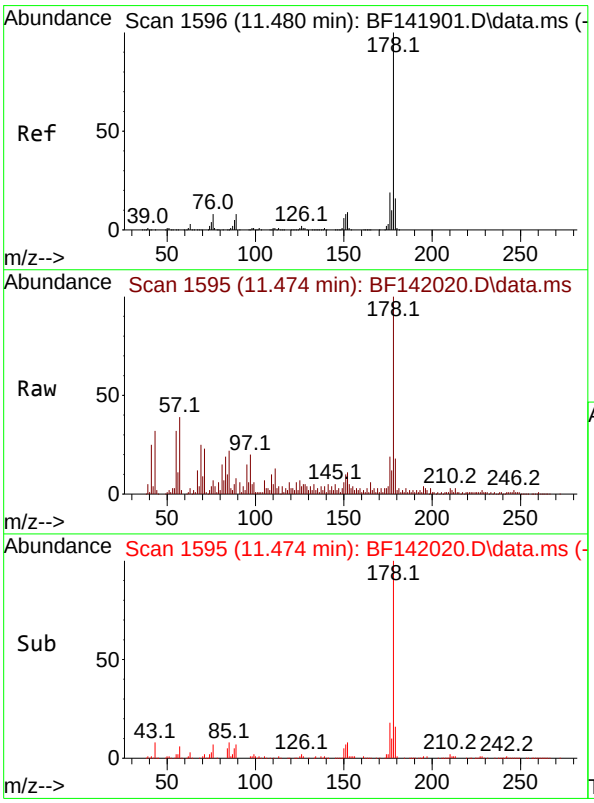
#71
Phenanthrene
Concen: 18.835 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Instrument :
BNA_F
ClientSampleId :
NB-070-031925

Tgt Ion:178 Resp: 369006

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	16.1	12.6	19.0

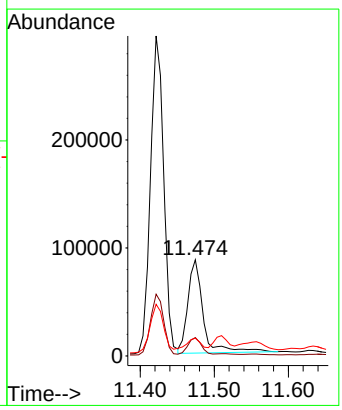


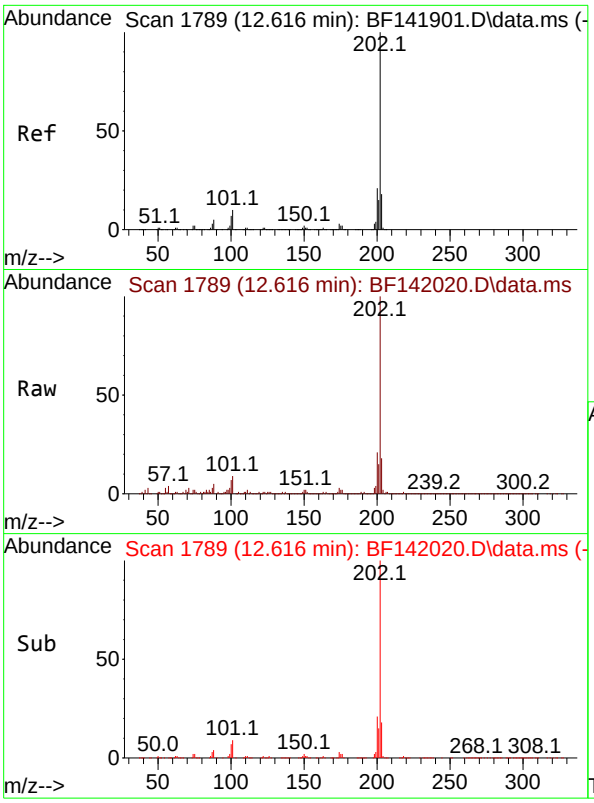


#72
Anthracene
Concen: 6.313 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Tgt Ion:178 Resp: 124092

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	18.4	12.6	19.0



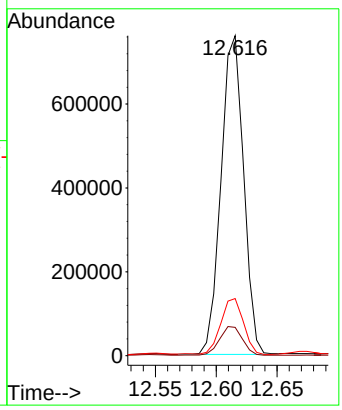


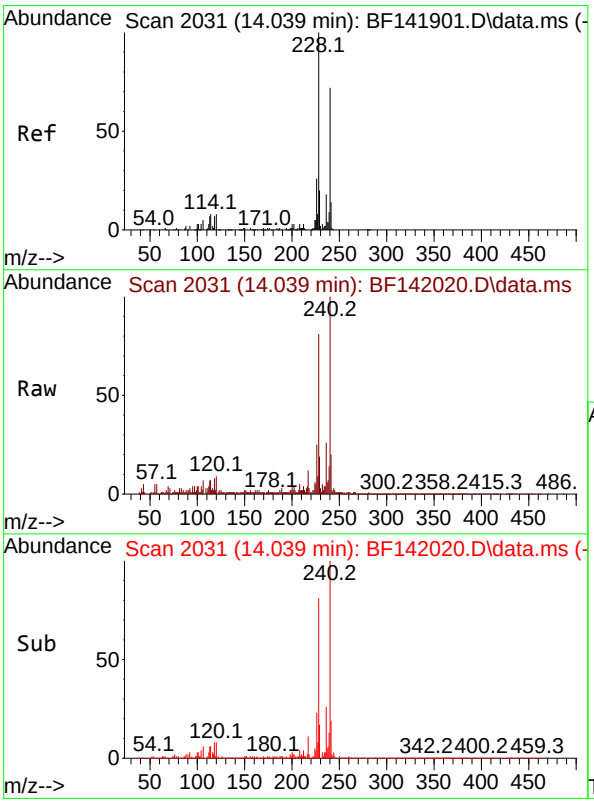
#75
Fluoranthene
Concen: 47.223 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Instrument :
BNA_F
ClientSampleId :
NB-070-031925

Tgt Ion:202 Resp: 981399

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	29.7
203	17.9	0.0	37.8

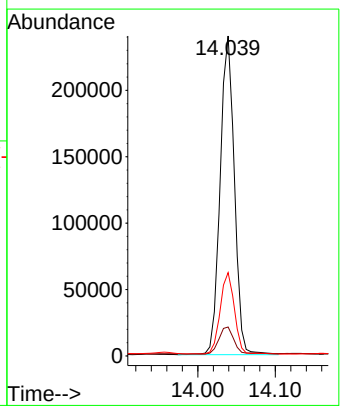


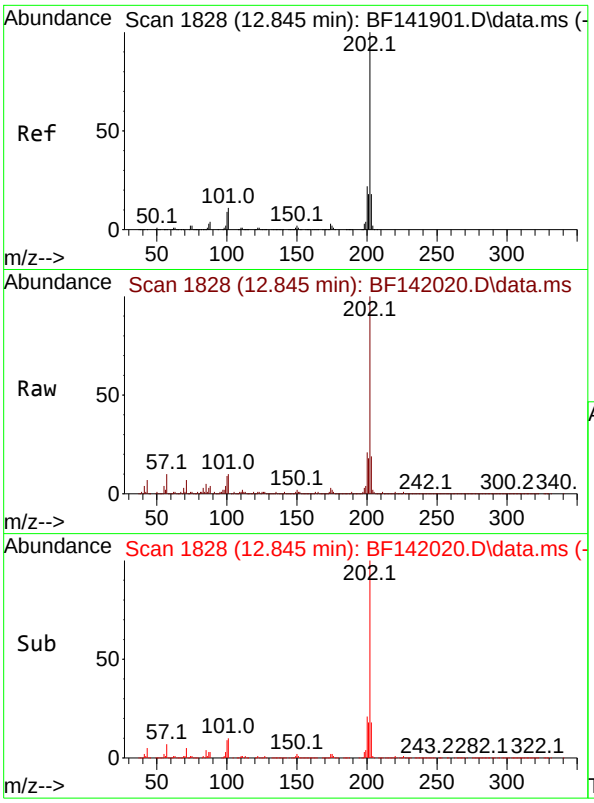


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Tgt Ion:240 Resp: 306849

Ion	Ratio	Lower	Upper
240	100		
120	9.0	8.4	12.6
236	26.1	20.5	30.7



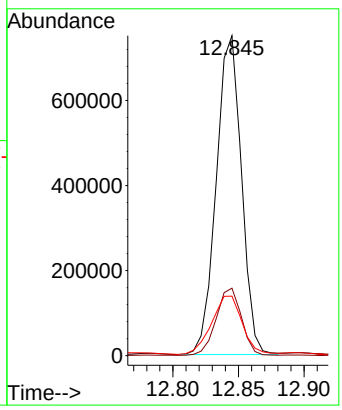


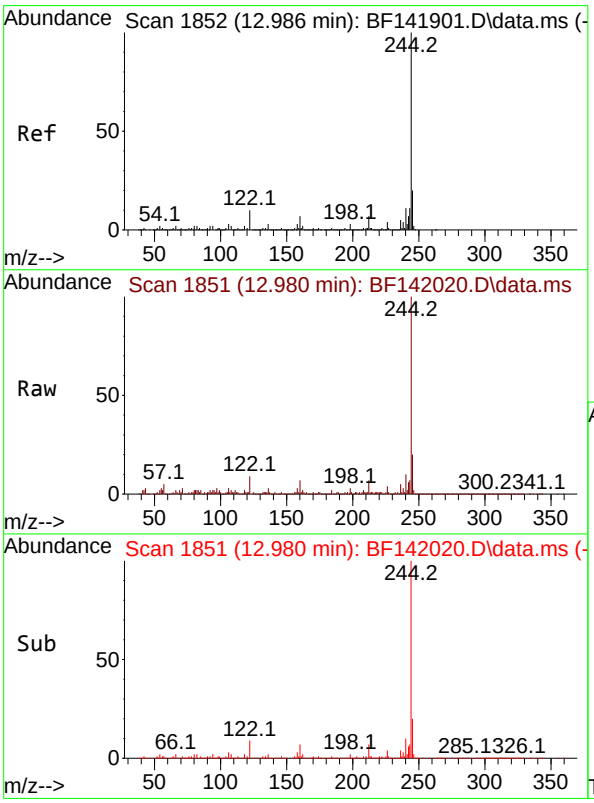
#78
Pyrene
Concen: 37.744 ng
RT: 12.845 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Instrument :
BNA_F
ClientSampleId :
NB-070-031925

Tgt Ion:202 Resp: 1001829

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9
203	18.6	14.4	21.6

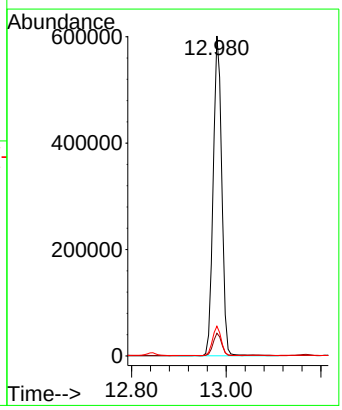


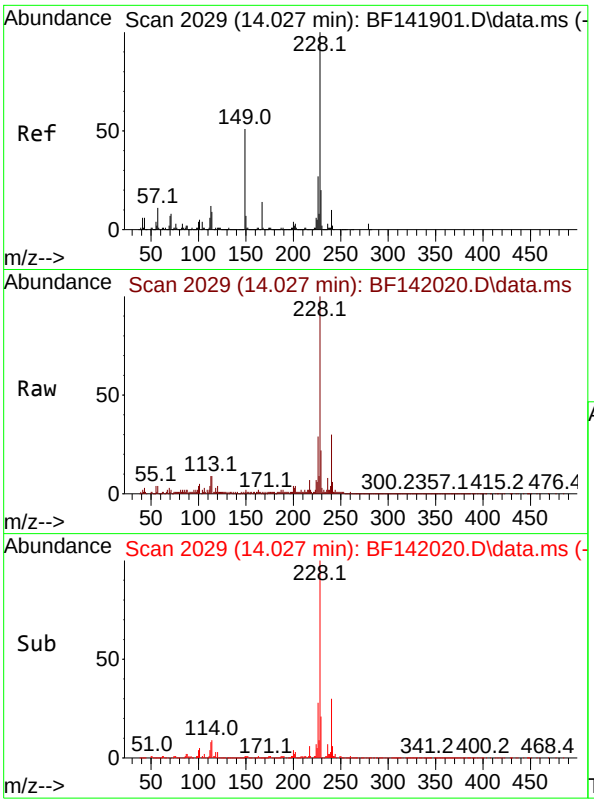


#79
Terphenyl-d14
Concen: 36.433 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Tgt Ion:244 Resp: 756154

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	9.3	7.7	11.5



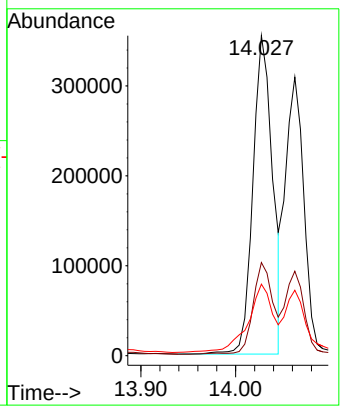


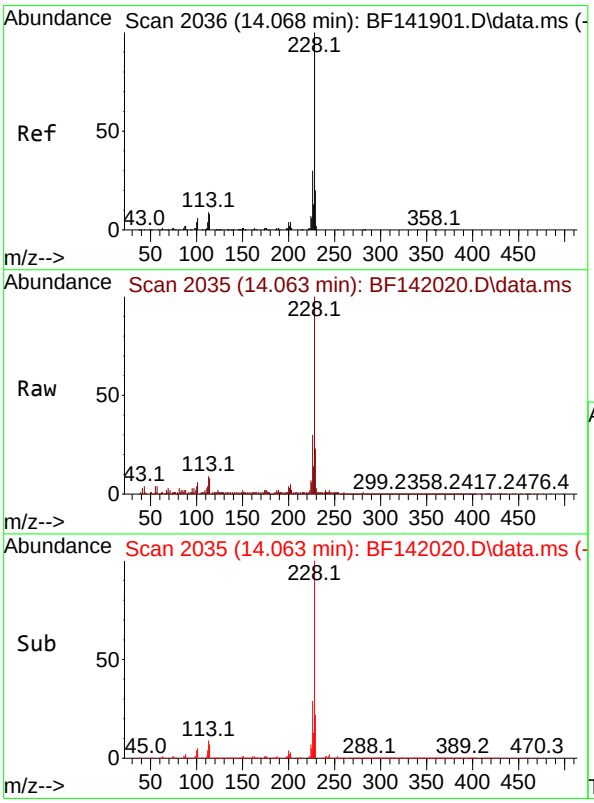
#81
Benzo(a)anthracene
Concen: 25.443 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Instrument :
BNA_F
ClientSampleId :
NB-070-031925

Tgt Ion:228 Resp: 512317

Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.8	32.8
229	22.3	16.0	24.0

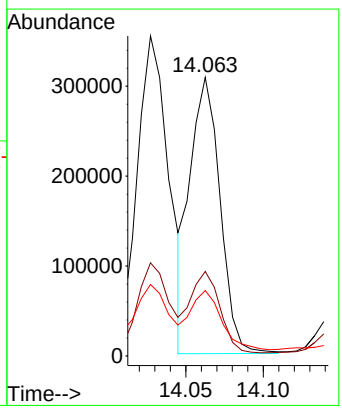


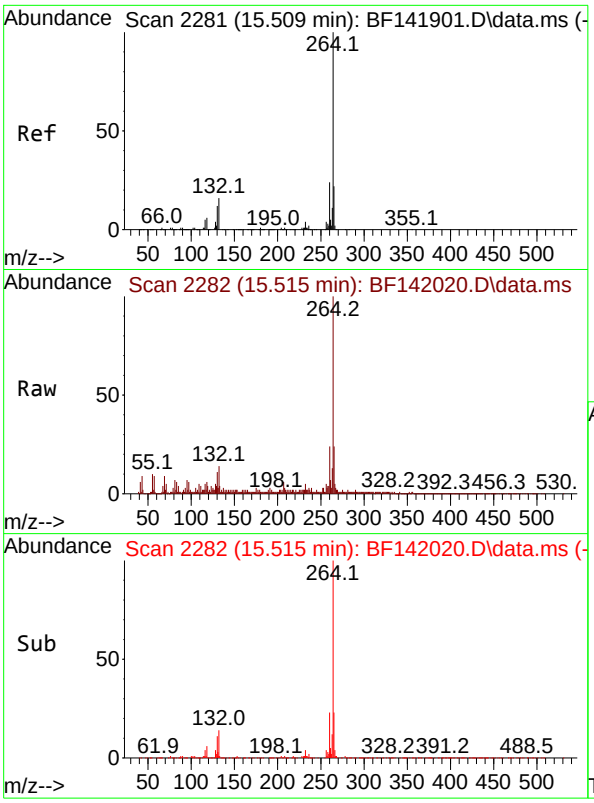


#83
Chrysene
Concen: 22.728 ng
RT: 14.063 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Tgt Ion:228 Resp: 414839

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	23.5	15.7	23.5



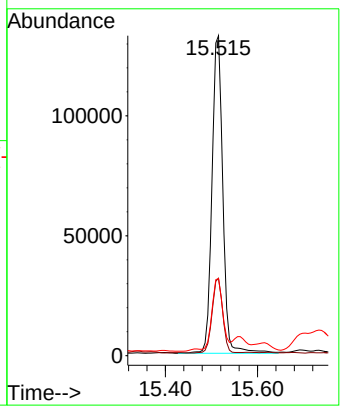


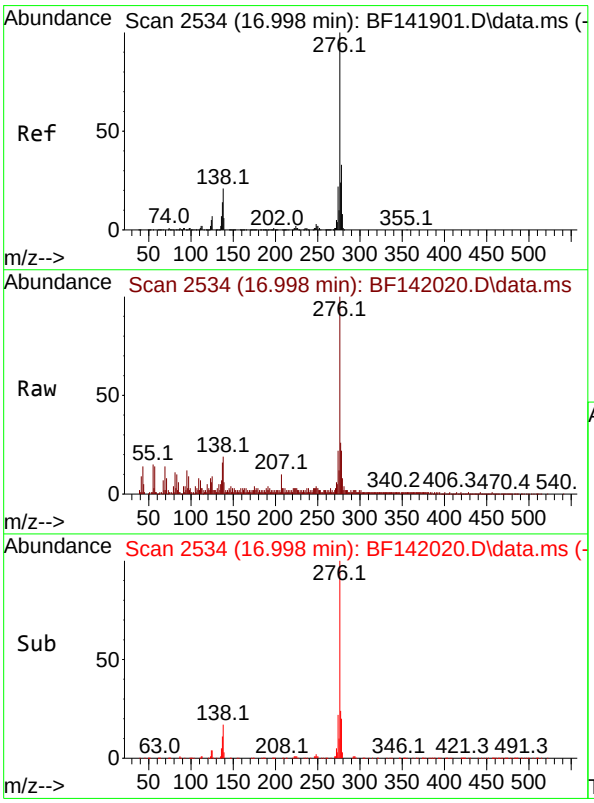
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Instrument :
BNA_F
ClientSampleId :
NB-070-031925

Tgt Ion:264 Resp: 216981

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.1	28.7
265	24.1	17.5	26.3

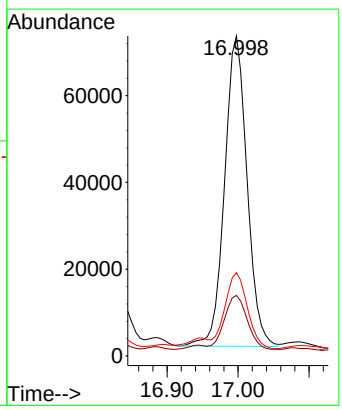


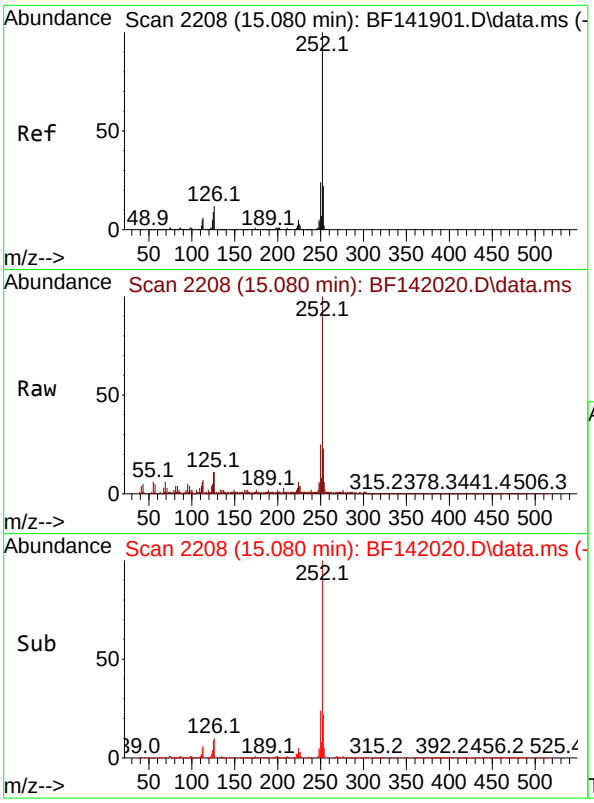


#87
Indeno(1,2,3-cd)pyrene
Concen: 11.205 ng
RT: 16.998 min Scan# 2534
Delta R.T. 0.000 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Tgt Ion:276 Resp: 157272

Ion	Ratio	Lower	Upper
276	100		
138	18.0	18.4	27.6#
277	24.4	20.3	30.5



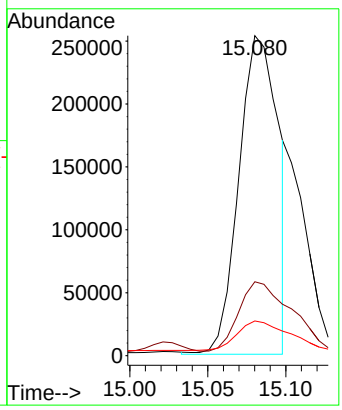


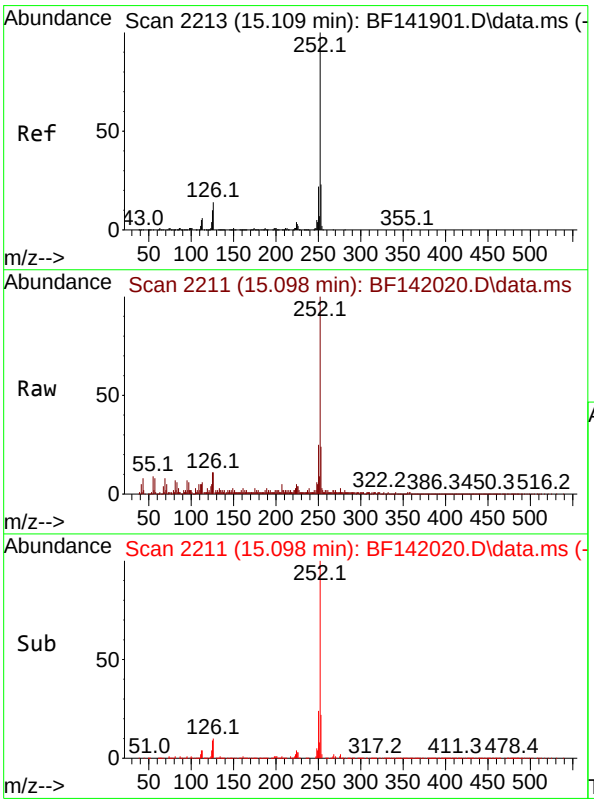
#88
Benzo(b)fluoranthene
Concen: 29.994 ng m
RT: 15.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Instrument :
BNA_F
ClientSampleId :
NB-070-031925

Tgt Ion:252 Resp: 446040

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	10.8	7.0	10.4#

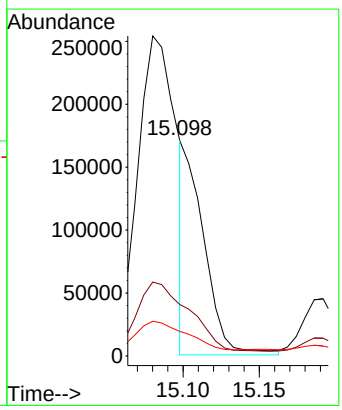


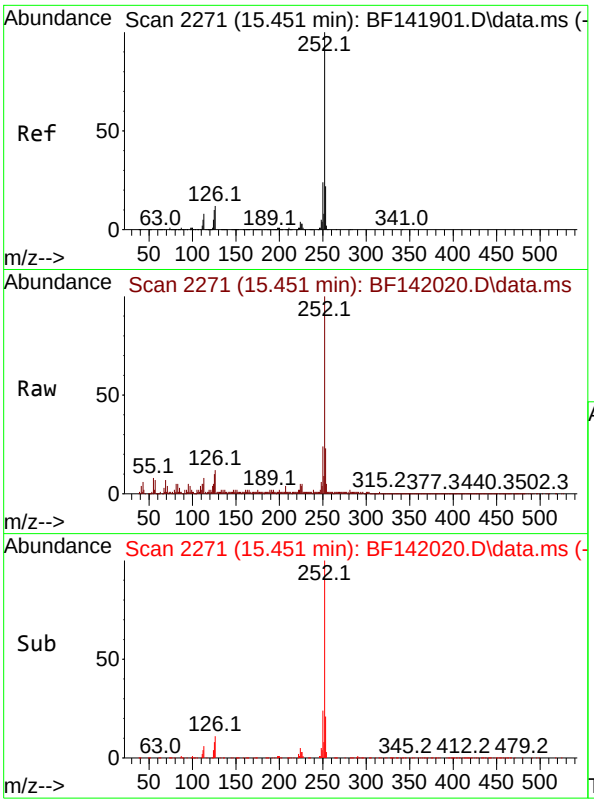


#89
Benzo(k)fluoranthene
Concen: 11.990 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Tgt Ion:252 Resp: 152589

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	11.4	7.2	10.8#



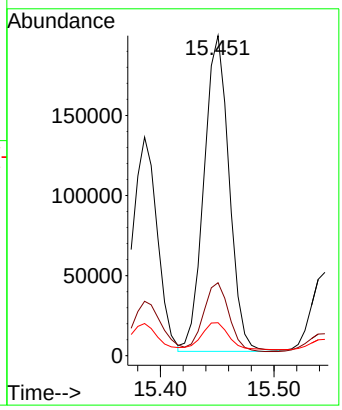


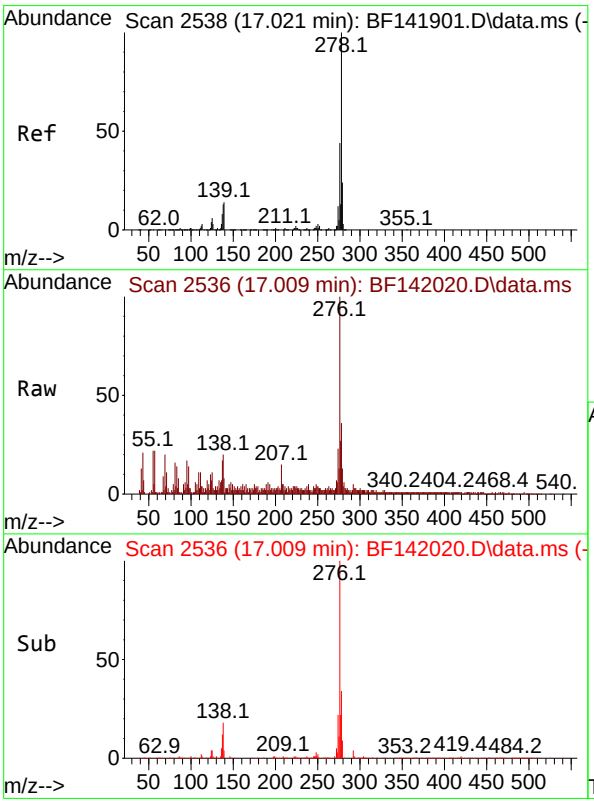
#90
Benzo(a)pyrene
Concen: 26.110 ng
RT: 15.451 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Instrument :
BNA_F
ClientSampleId :
NB-070-031925

Tgt Ion:252 Resp: 303810

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	10.3	7.8	11.8

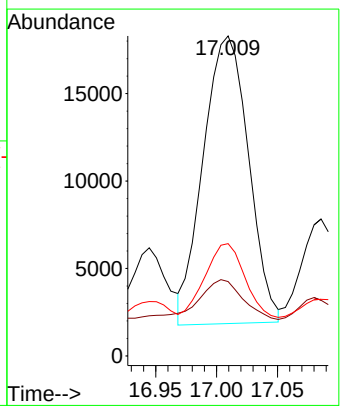


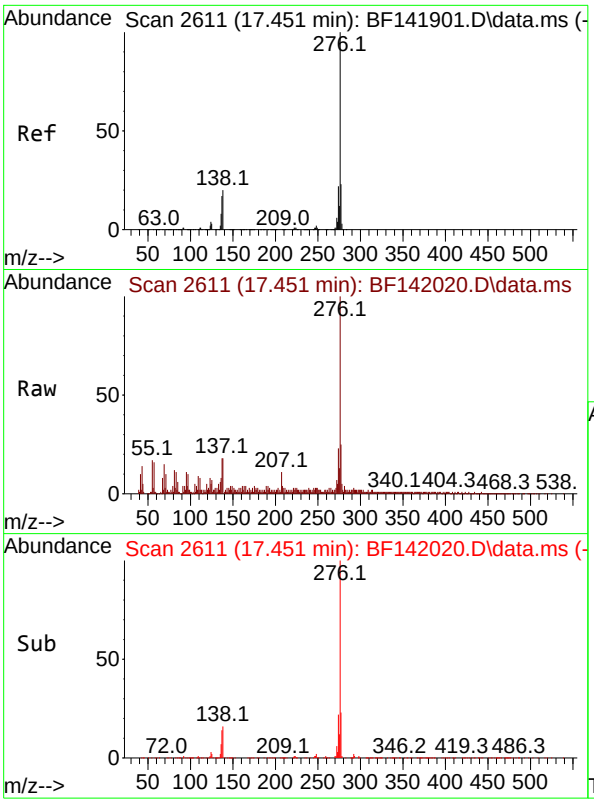


#91
Dibenzo(a,h)anthracene
Concen: 3.674 ng
RT: 17.009 min Scan# 2536
Delta R.T. -0.012 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Tgt Ion:278 Resp: 42554

Ion	Ratio	Lower	Upper
278	100		
139	23.2	11.4	17.2#
279	35.1	18.8	28.2#





#92
Benzo(g,h,i)perylene
Concen: 13.870 ng
RT: 17.451 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142020.D
Acq: 20 Mar 2025 19:35

Instrument :
BNA_F
ClientSampleId :
NB-070-031925

Tgt Ion:276 Resp: 158731

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.7	28.1
138	17.9	15.8	23.8