Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Quant Time: Jan 23 00:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	143722	20.000	ng	-0.02
21) Naphthalene-d8	8.087	136	541640	20.000	ng	-0.02
39) Acenaphthene-d10	9.845	164	260163	20.000	ng	-0.02
64) Phenanthrene-d10	11.333	188	360374	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	316463	20.000	ng	-0.01
86) Perylene-d12	15.433	264	247428	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	138249	14.860	ng	-0.02
7) Phenol-d6	6.428	99	173001	14.680	ng	-0.02
23) Nitrobenzene-d5	7.363	82	100937	9.878	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	38747	13.071	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	208619	12.245	ng	-0.02
79) Terphenyl-d14	12.916	244	186033	8.737	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.110	128	142029	4.972	ng	98
37) 2-Methylnaphthalene	8.798	142	130390	7.164	ng	99
38) 1-Methylnaphthalene	8.898	142	119746	6.675	ng	99
52) Acenaphthene	9.875	154	79315	5.049	ng	99
58) Fluorene	10.392	166	121982	7.349	ng	99
71) Phenanthrene	11.357	178	837002	43.262	ng	100
72) Anthracene	11.404	178	256354	13.627	ng	99
75) Fluoranthene	12.545	202	721066	37.348	ng	99
78) Pyrene	12.774	202	890411	29.458	ng	98
81) Benzo(a)anthracene	13.963	228	455891	21.168	ng	96
83) Chrysene	13.998	228	330737	16.412	ng	97
87) Indeno(1,2,3-cd)pyrene	16.880	276	84495m	4.661	ng	
88) Benzo(b)fluoranthene	15.015	252	272240m	17.063	ng	
89) Benzo(k)fluoranthene	15.027	252	97142m	7.205	ng	
90) Benzo(a)pyrene	15.374	252	213778	16.240	ng	98
92) Benzo(g,h,i)perylene	17.315	276	81328	5.333	ng	97

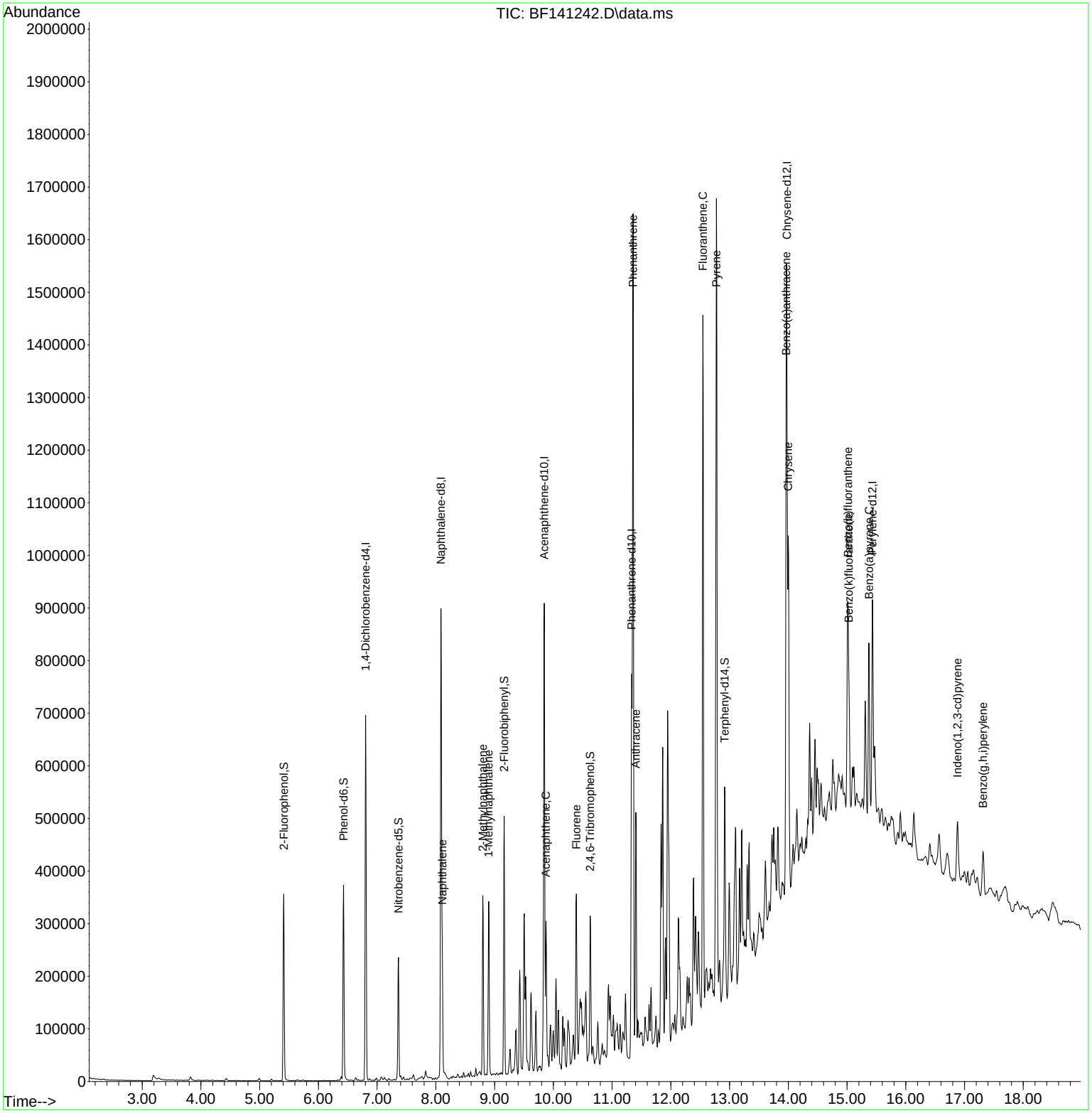
(#) = qualifier out of range (m) = manual integration (+) = signals summed

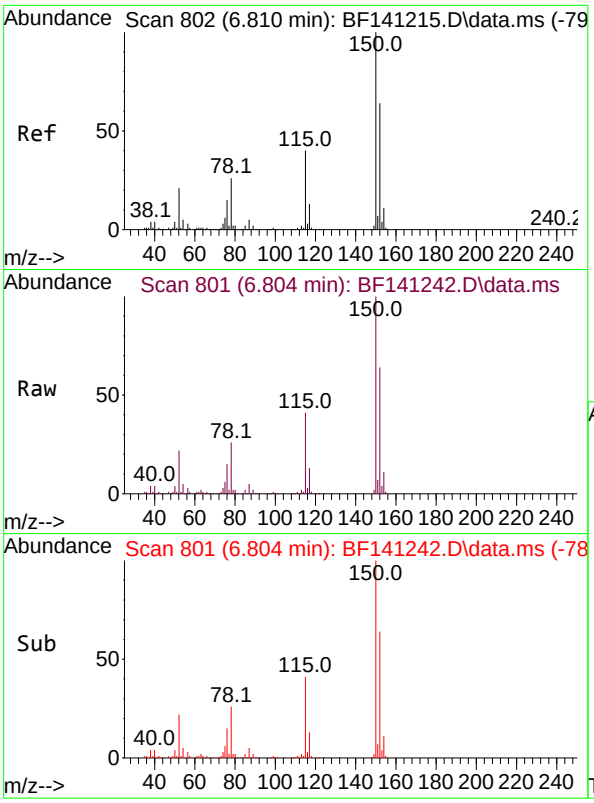
Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141242.D
Acq On : 22 Jan 2025 18:24
Operator : RC/JU
Sample : Q1141-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Quant Time: Jan 23 00:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



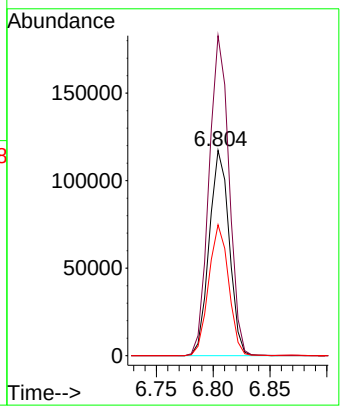


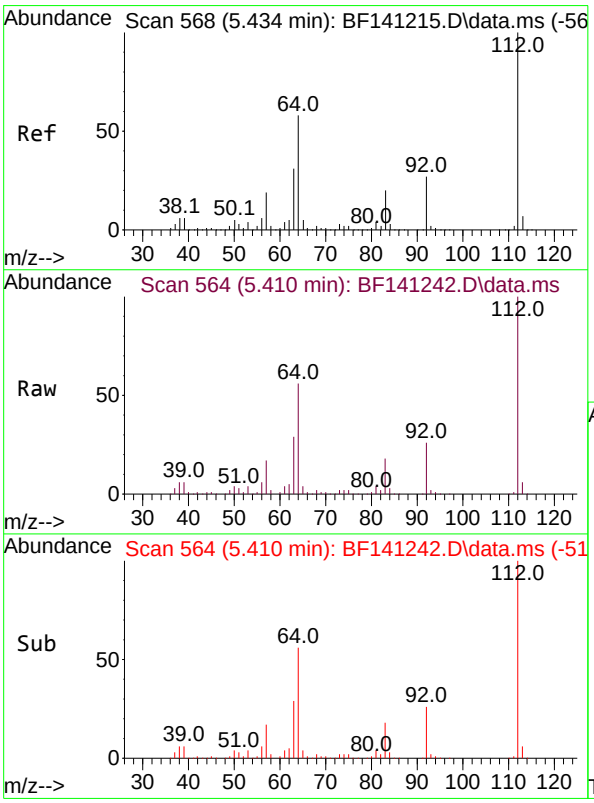
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Tgt Ion:152 Resp: 143722

Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.8	188.8
115	63.7	51.4	77.2

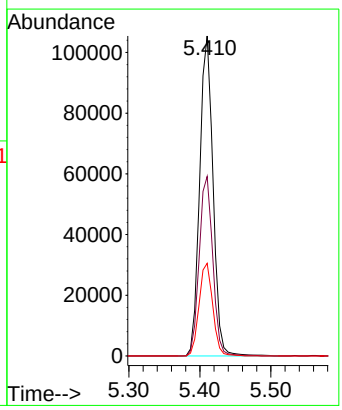


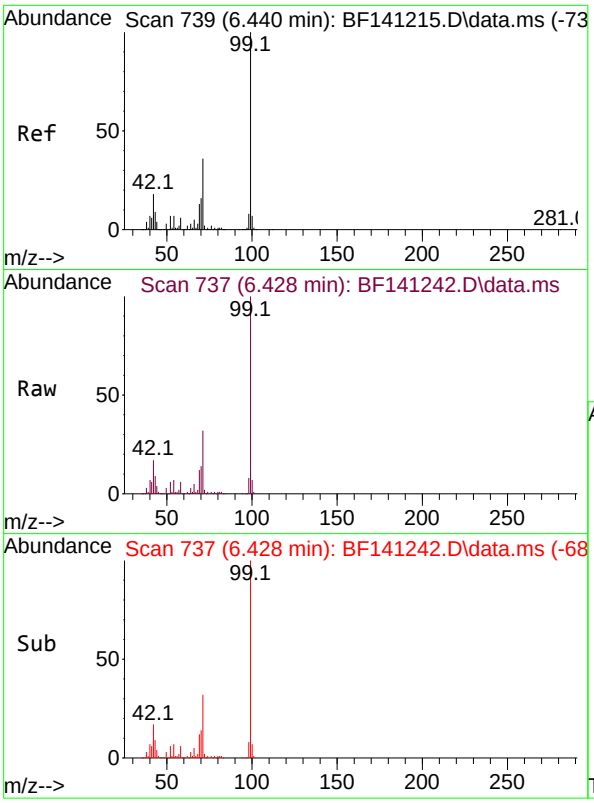


#5
2-Fluorophenol
Concen: 14.860 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:112 Resp: 138249

Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.3	70.9
63	29.0	24.2	36.2



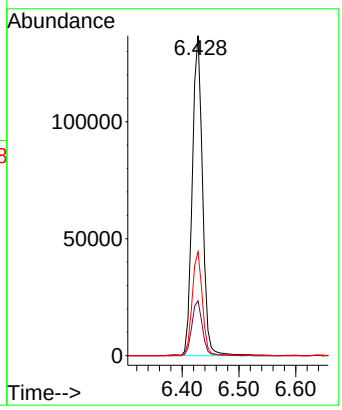


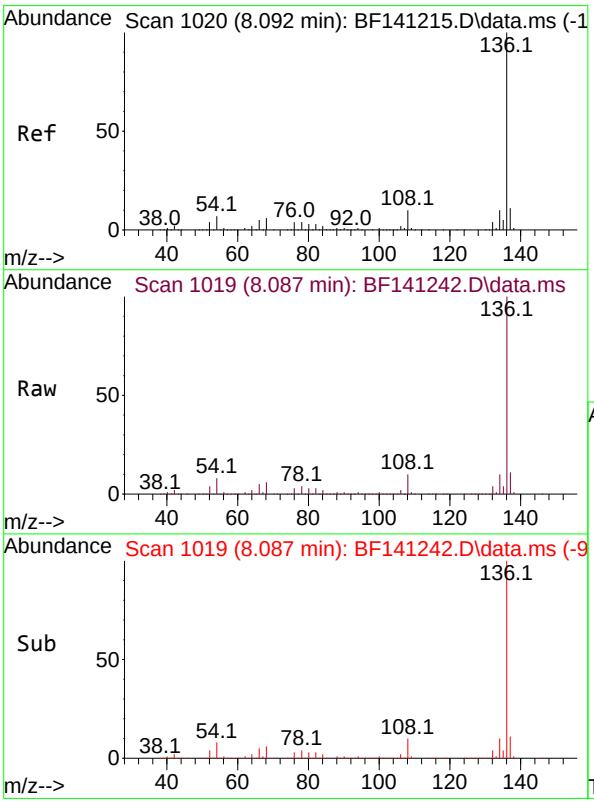
#7
Phenol-d6
Concen: 14.680 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Tgt Ion: 99 Resp: 173001

Ion	Ratio	Lower	Upper
99	100		
42	17.2	15.0	22.4
71	32.4	27.6	41.4

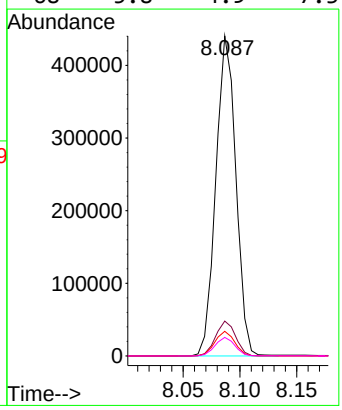


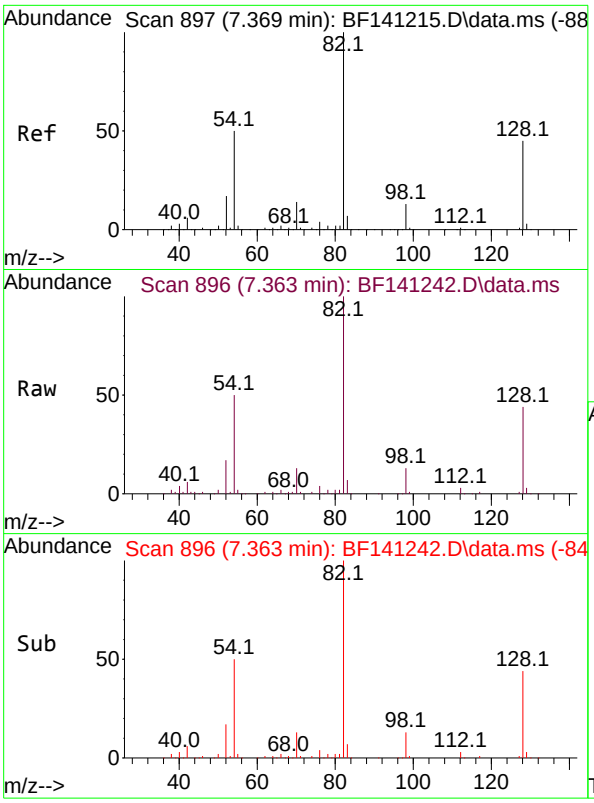


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:136 Resp: 541640

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.7	6.3	9.5
68	5.8	4.9	7.3



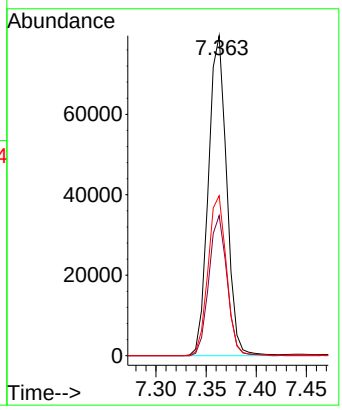


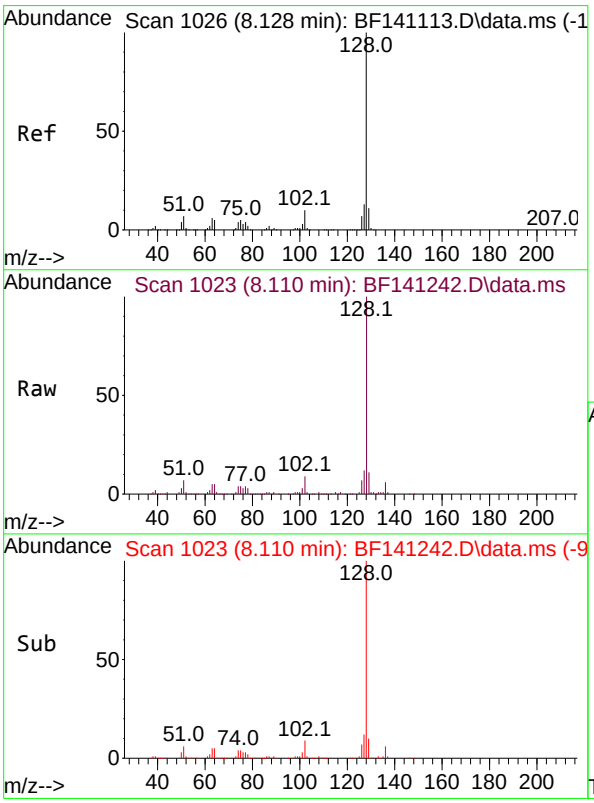
#23
Nitrobenzene-d5
Concen: 9.878 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Tgt Ion: 82 Resp: 100937

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.1	54.1
54	50.0	41.0	61.4

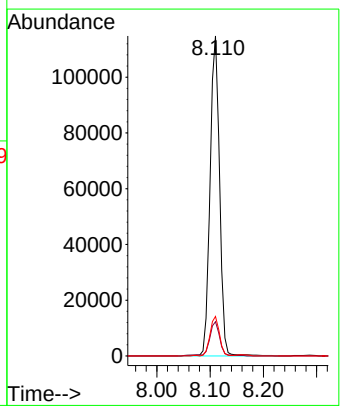


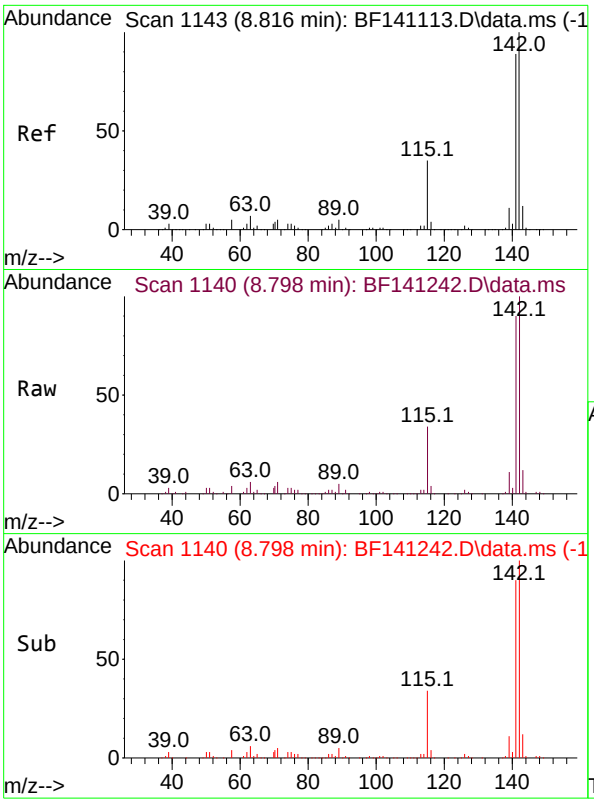


#31
Naphthalene
Concen: 4.972 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:128 Resp: 142029

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.6
127	12.3	10.8	16.2



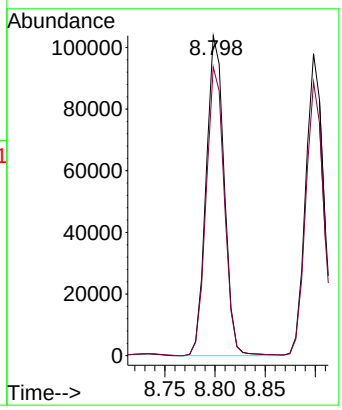


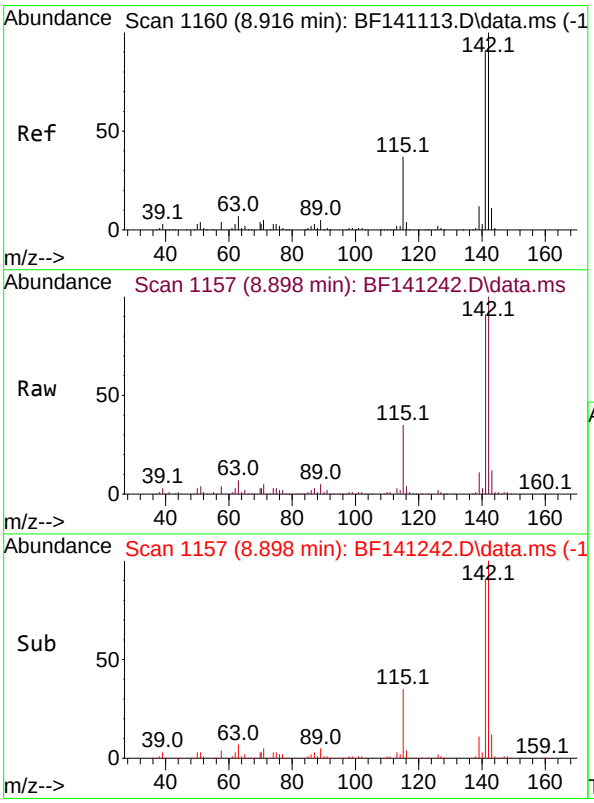
#37
2-Methylnaphthalene
Concen: 7.164 ng
RT: 8.798 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Tgt Ion:142 Resp: 130390

Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.3	106.9

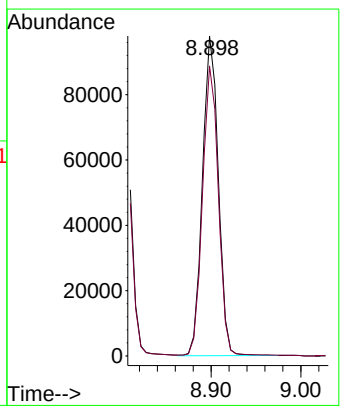


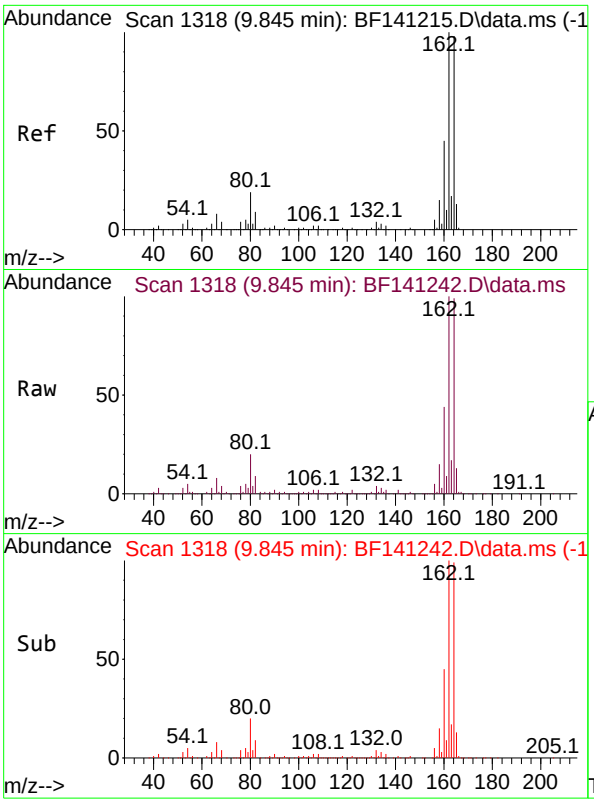


#38
1-Methylnaphthalene
Concen: 6.675 ng
RT: 8.898 min Scan# 1157
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:142 Resp: 119746

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.1	109.7



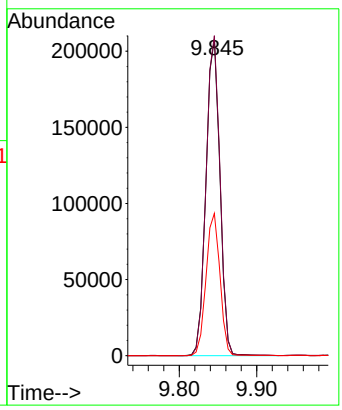


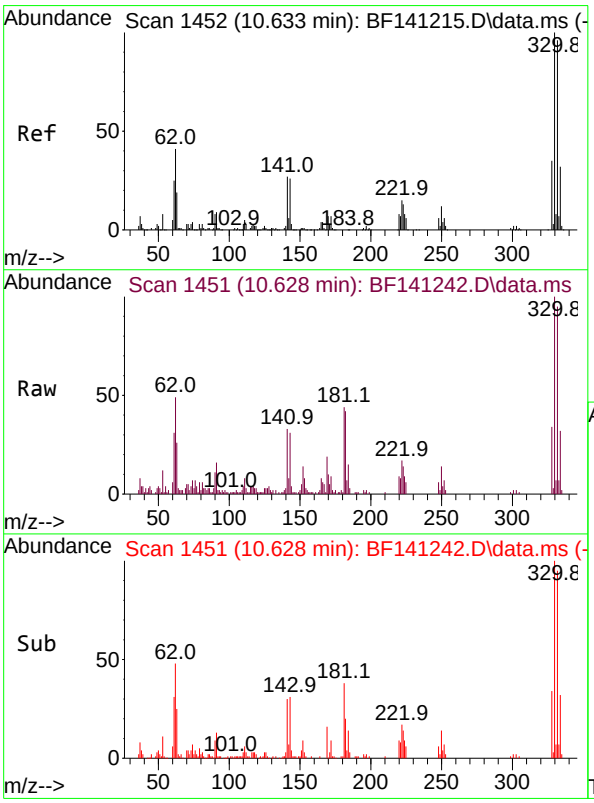
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Tgt Ion:164 Resp: 260163

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.0	121.4
160	45.0	36.1	54.1

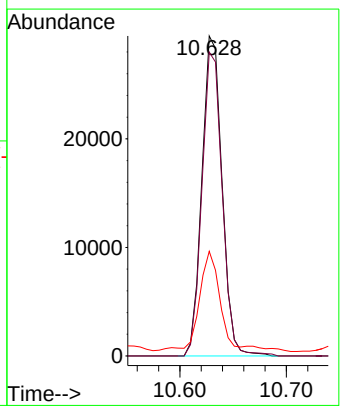


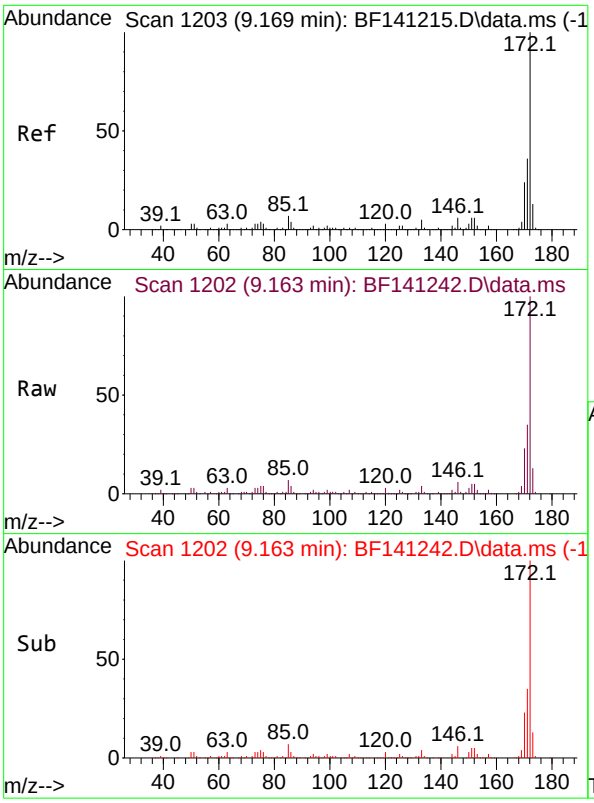


#42
2,4,6-Tribromophenol
Concen: 13.071 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.024 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:330 Resp: 38747

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.9	115.3
141	31.0	25.2	37.8



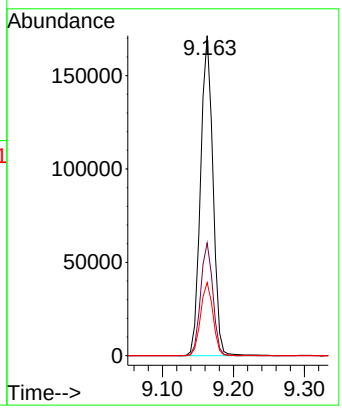


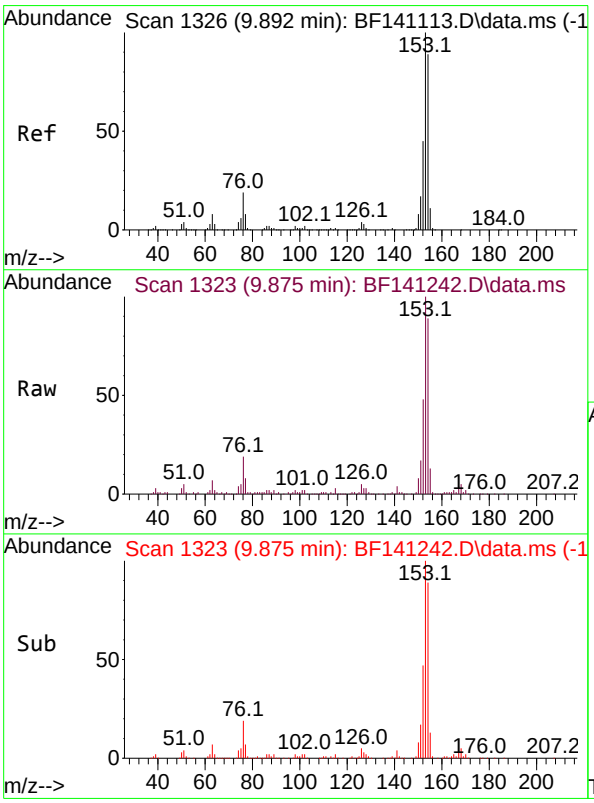
#45
2-Fluorobiphenyl
Concen: 12.245 ng
RT: 9.163 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Tgt Ion:172 Resp: 208619

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.7	43.1
170	22.9	19.0	28.6

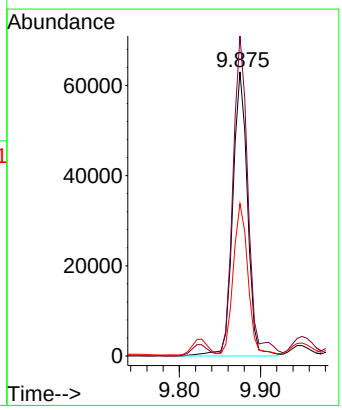


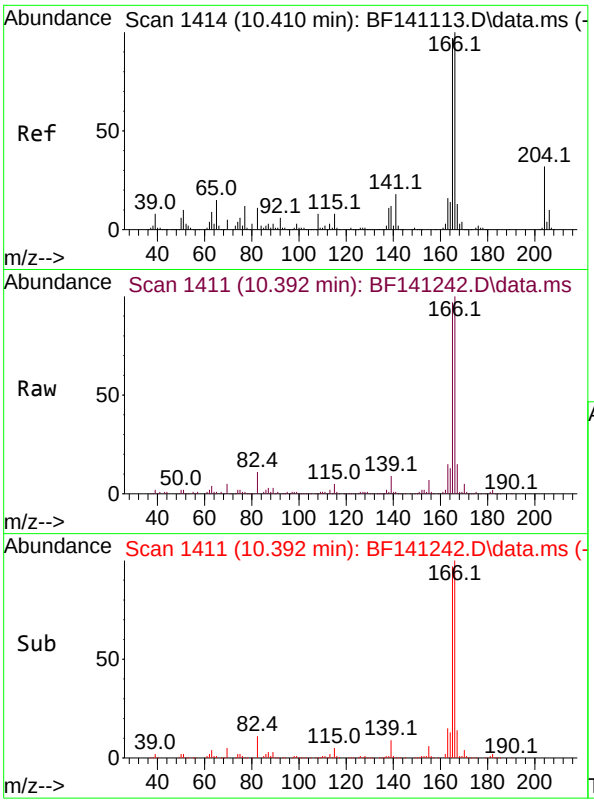


#52
Acenaphthene
Concen: 5.049 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:154 Resp: 79315

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.8	134.6
152	53.6	40.8	61.2



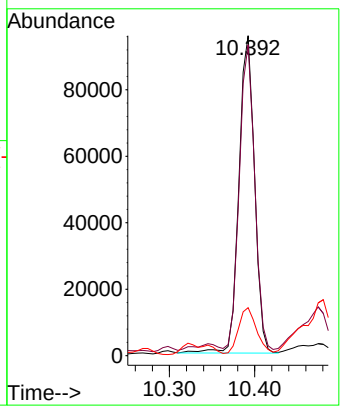


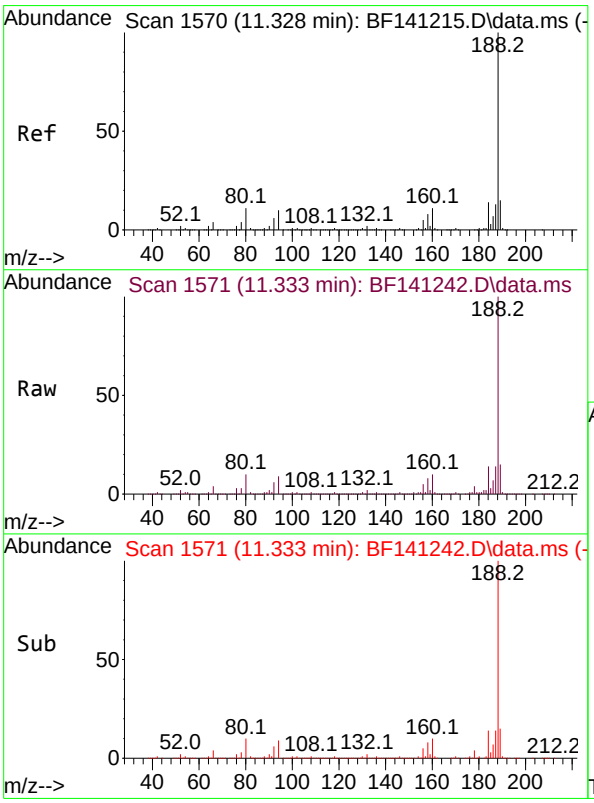
#58
Fluorene
Concen: 7.349 ng
RT: 10.392 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Tgt Ion:166 Resp: 121982

Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.8	116.8
167	15.0	10.8	16.2

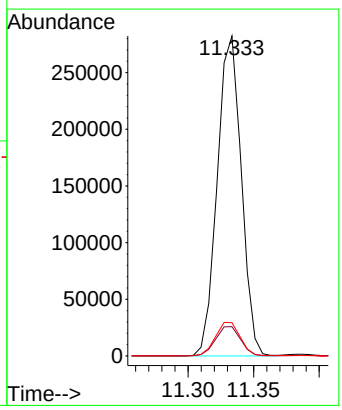


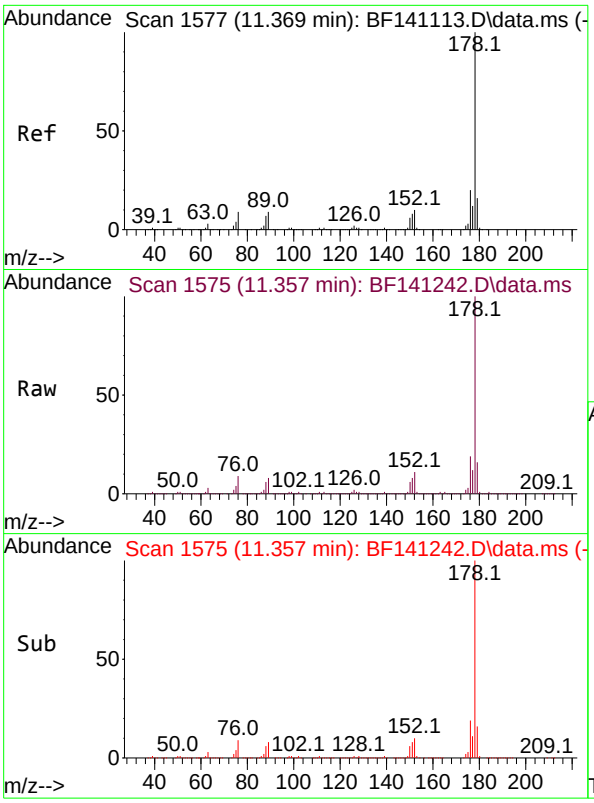


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:188 Resp: 360374

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.3	12.5
80	10.4	9.0	13.4



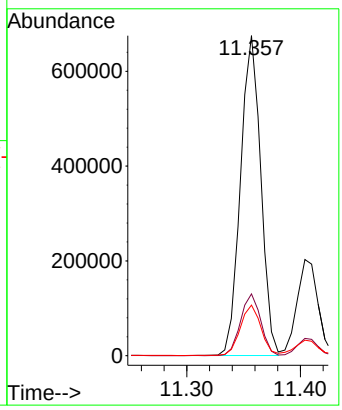


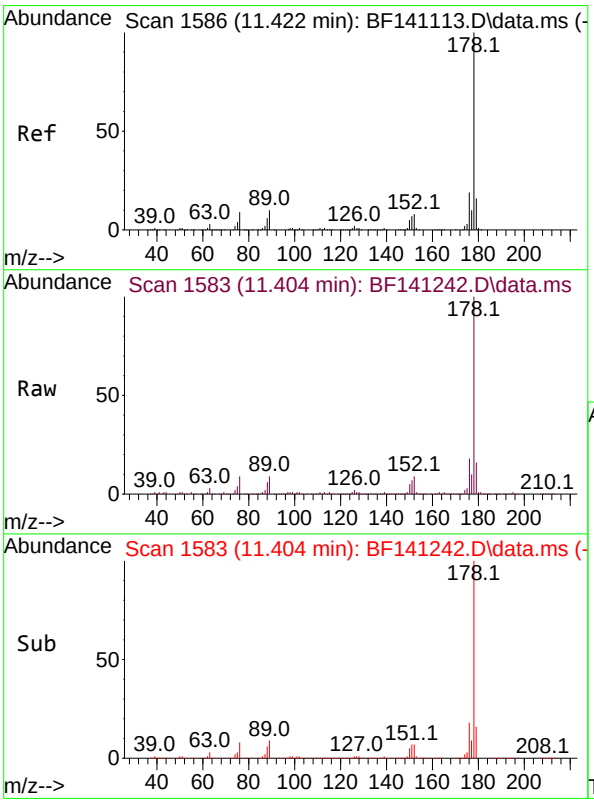
#71
Phenanthrene
Concen: 43.262 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Tgt Ion:178 Resp: 837002

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.8	12.6	19.0

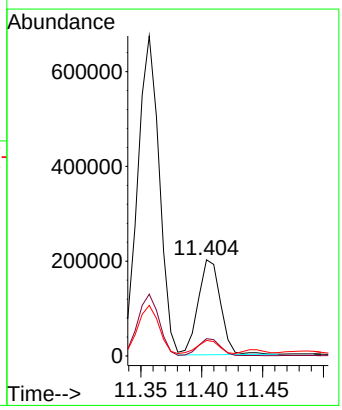


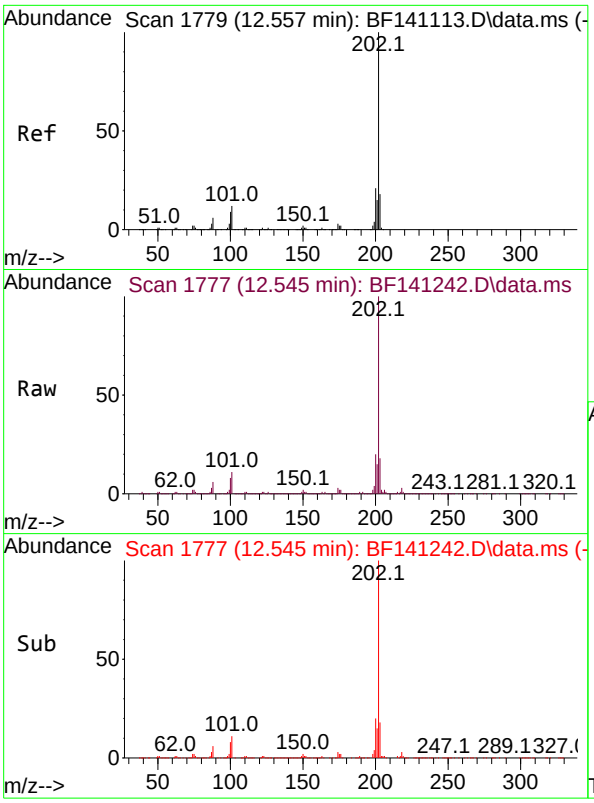


#72
Anthracene
Concen: 13.627 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:178 Resp: 256354

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.9	22.3
179	16.1	12.6	19.0



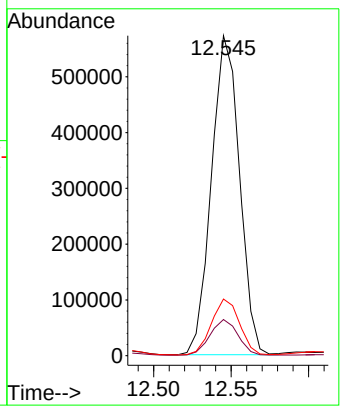


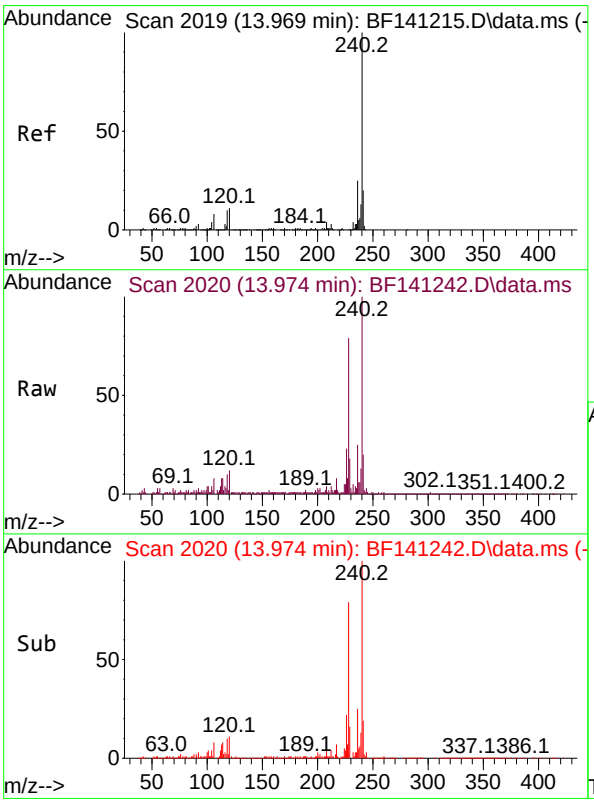
#75
Fluoranthene
Concen: 37.348 ng
RT: 12.545 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Tgt Ion:202 Resp: 721066

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.3
203	17.7	0.0	37.7

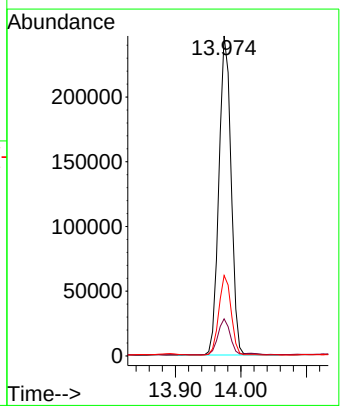


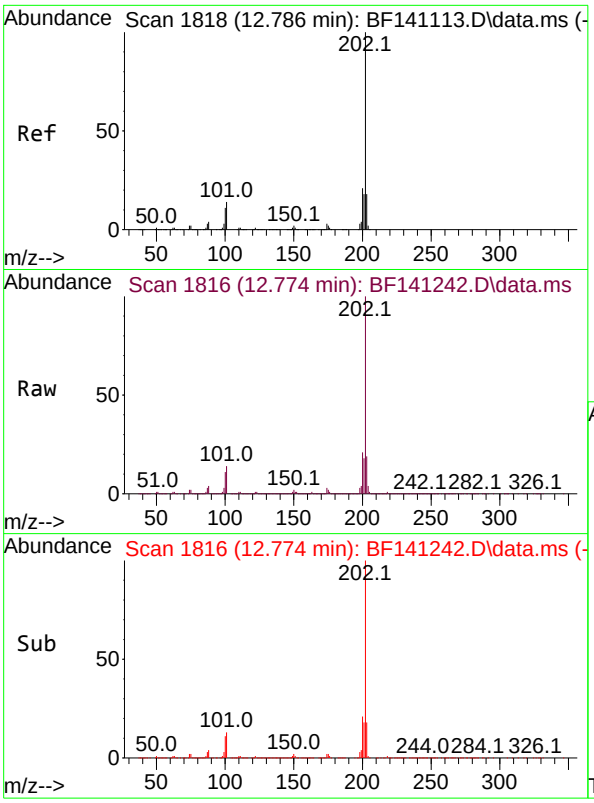


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:240 Resp: 316463

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.1	13.7
236	25.1	19.8	29.6



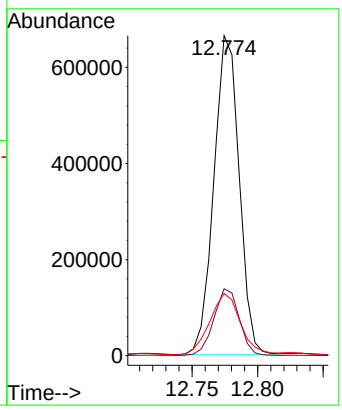


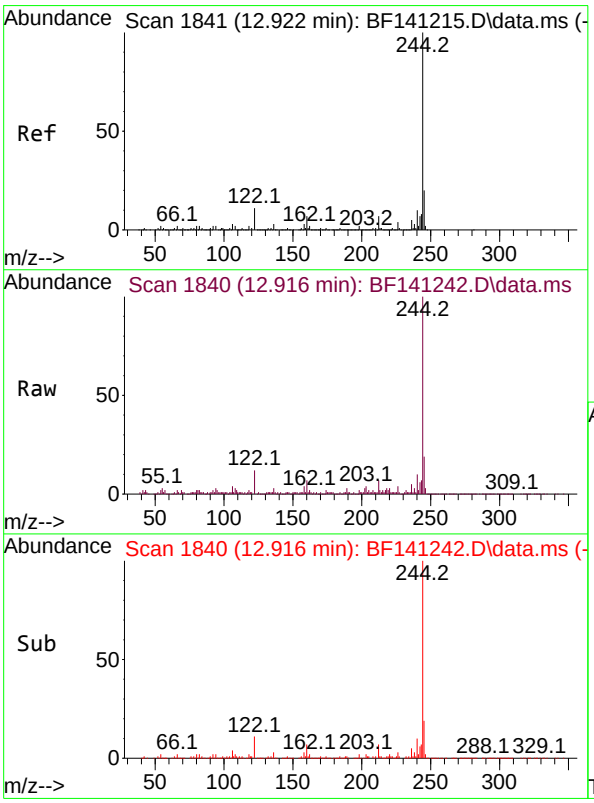
#78
Pyrene
Concen: 29.458 ng
RT: 12.774 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Tgt Ion:202 Resp: 890411

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	19.4	14.3	21.5

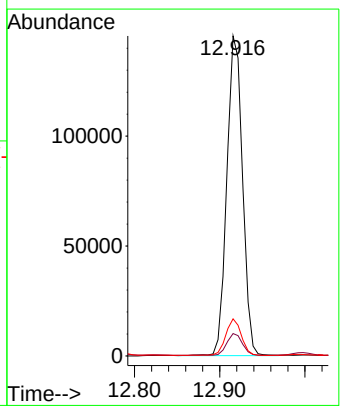


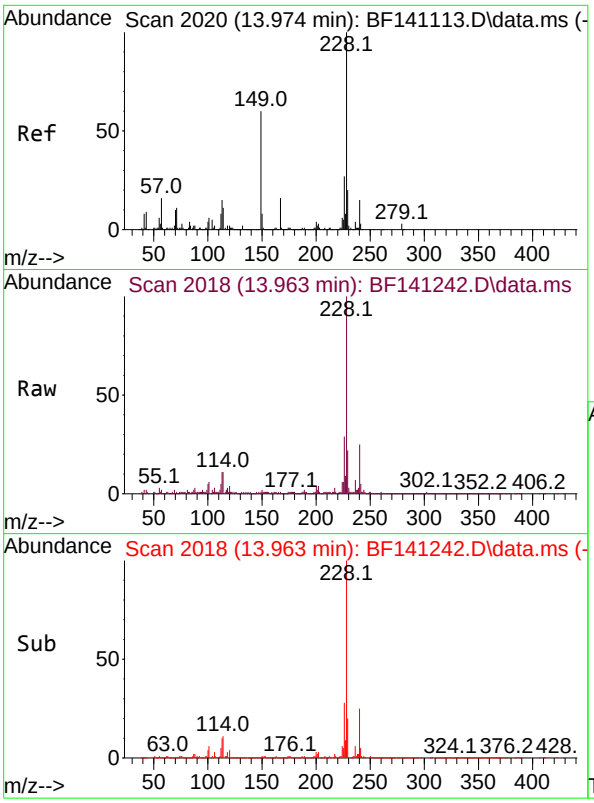


#79
Terphenyl-d14
Concen: 8.737 ng
RT: 12.916 min Scan# 1840
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:244 Resp: 186033

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.6	8.8	13.2



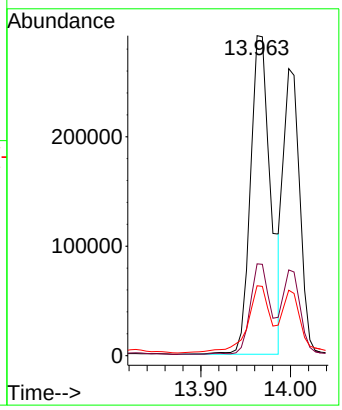


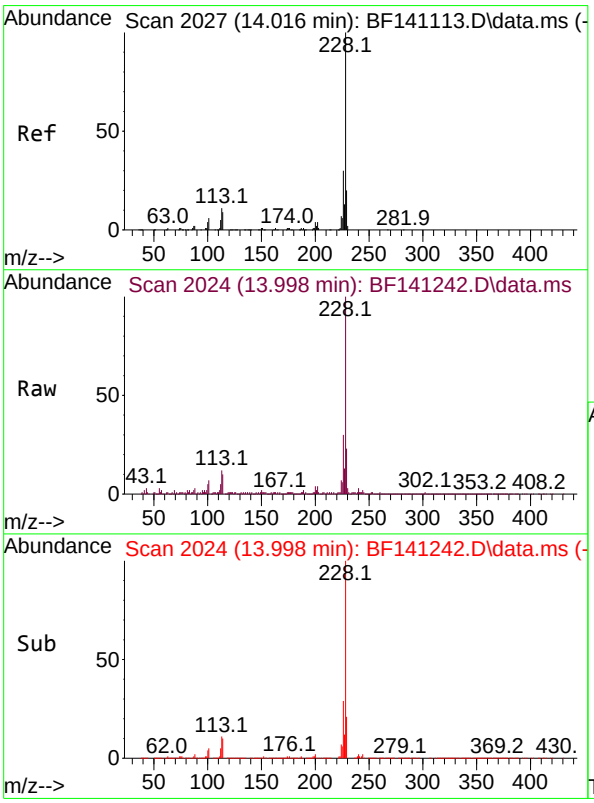
#81
Benzo(a)anthracene
Concen: 21.168 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Tgt Ion:228 Resp: 455891

Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.7	32.5
229	21.9	15.7	23.5

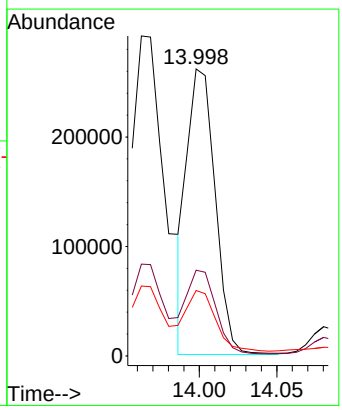


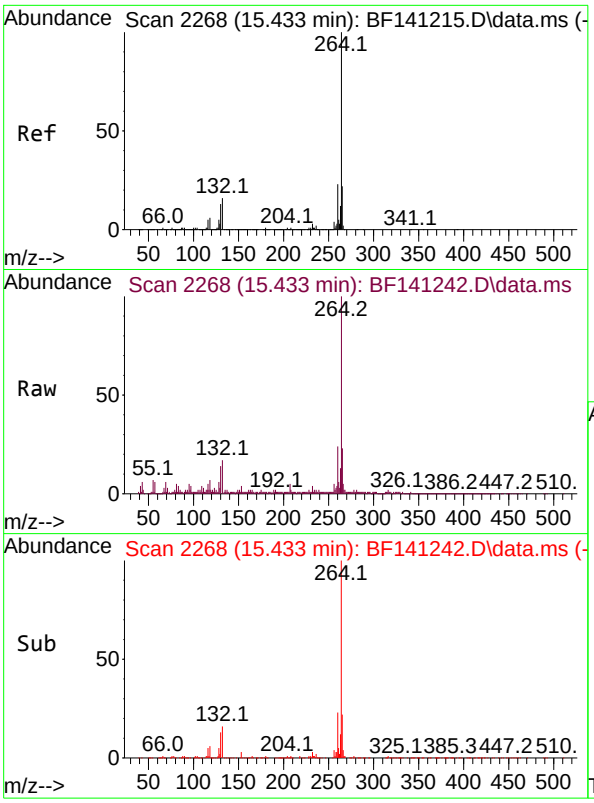


#83
Chrysene
Concen: 16.412 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:228 Resp: 330737

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	22.8	15.8	23.8



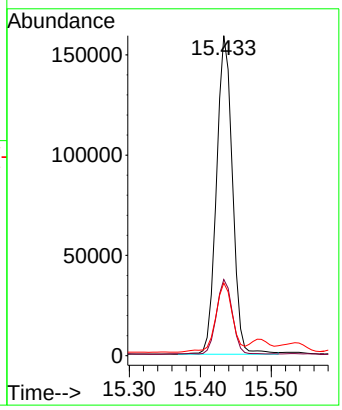


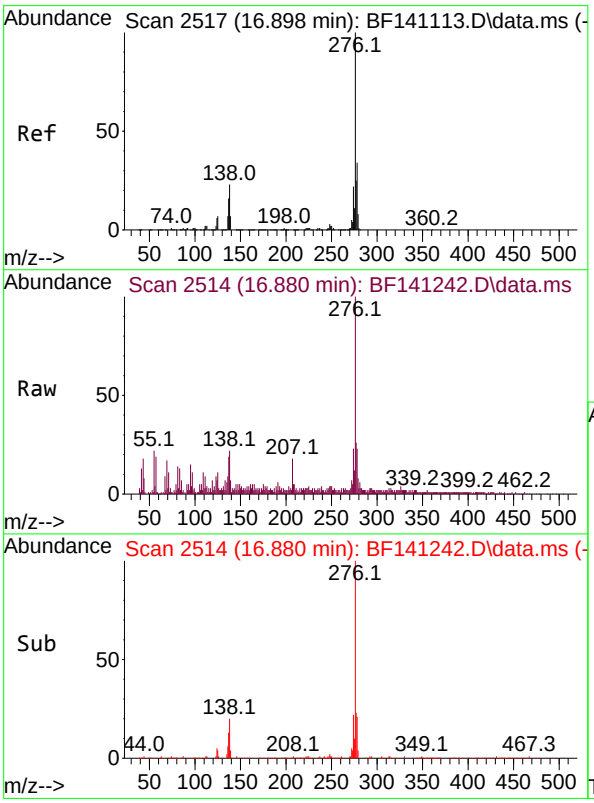
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Tgt Ion:264 Resp: 247428

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	22.7	17.4	26.0

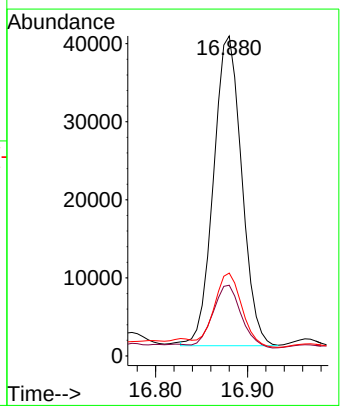


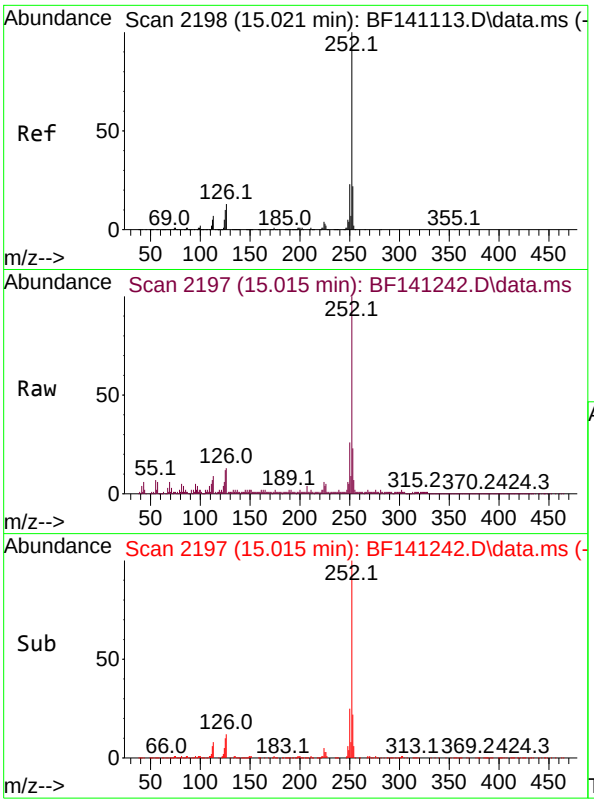


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.661 ng m
RT: 16.880 min Scan# 2514
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:276 Resp: 84495

Ion	Ratio	Lower	Upper
276	100		
138	5.7	20.7	31.1#
277	5.0	20.6	30.8#



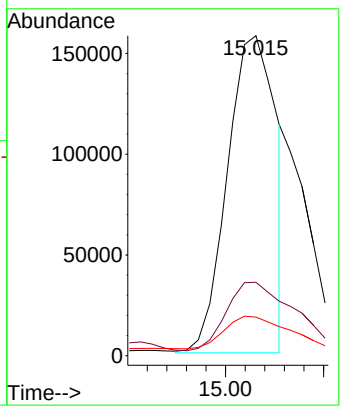


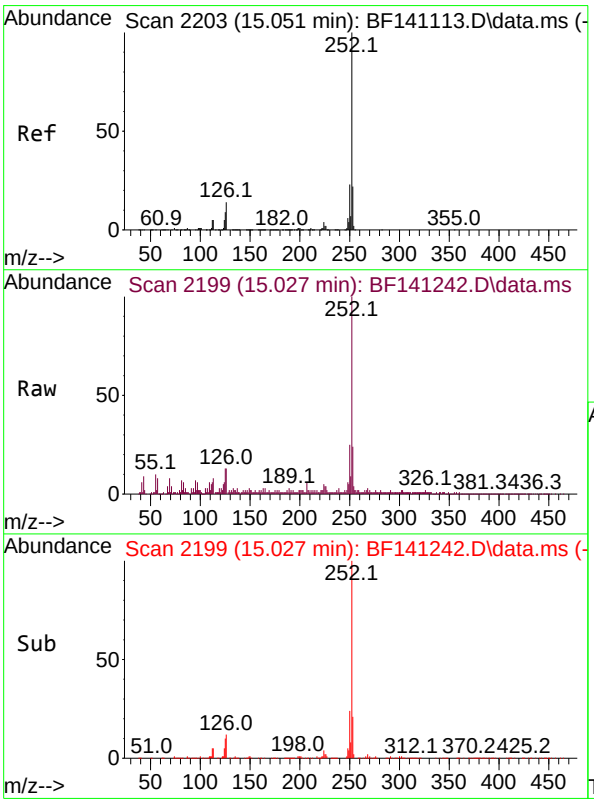
#88
Benzo(b)fluoranthene
Concen: 17.063 ng m
RT: 15.015 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Tgt Ion:252 Resp: 272240

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	12.1	8.1	12.1

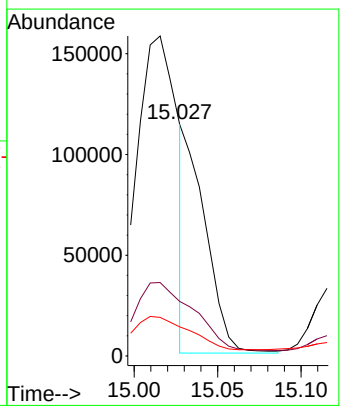


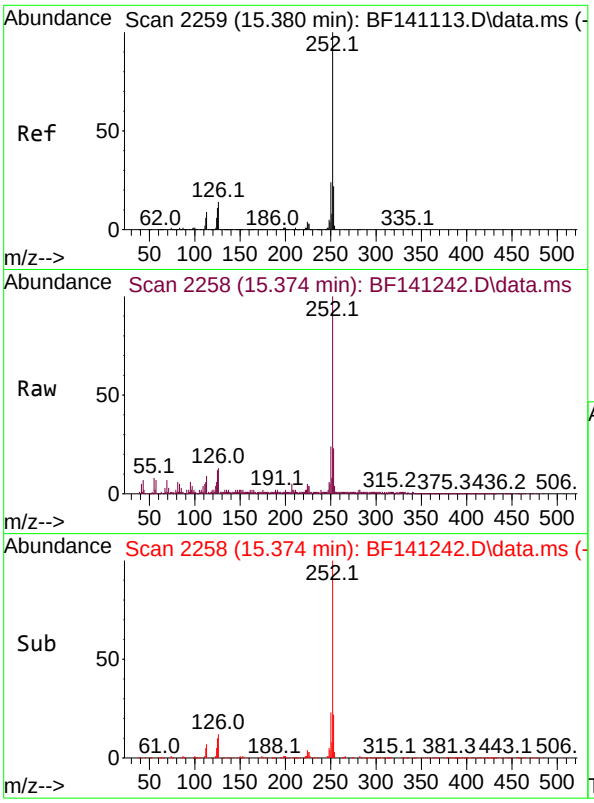


#89
Benzo(k)fluoranthene
Concen: 7.205 ng m
RT: 15.027 min Scan# 2199
Delta R.T. -0.024 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:252 Resp: 97142

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	12.6	7.9	11.9#



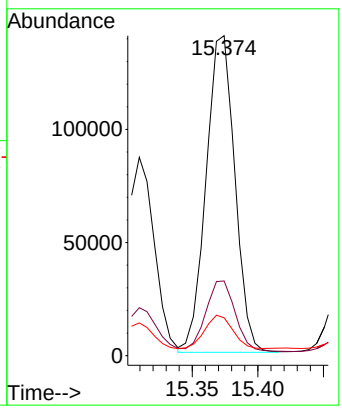


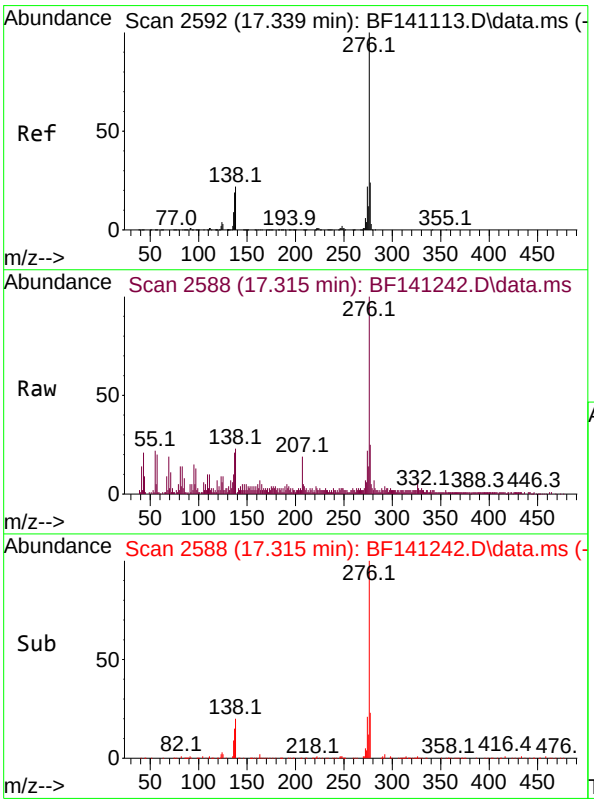
#90
Benzo(a)pyrene
Concen: 16.240 ng
RT: 15.374 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Tgt Ion:252 Resp: 213778

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	11.9	9.1	13.7





#92
Benzo(g,h,i)perylene
Concen: 5.333 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.024 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:276 Resp: 81328

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.0	28.4
138	22.8	17.4	26.2