Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141239.D
Acq On : 22 Jan 2025 17:06
Operator : RC/JU
Sample : Q1142-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Quant Time: Jan 22 17:35:56 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	133033	20.000	ng		-0.02
21) Naphthalene-d8	8.087	136	537232	20.000	ng		-0.02
39) Acenaphthene-d10	9.839	164	283396	20.000	ng		-0.02
64) Phenanthrene-d10	11.327	188	449607	20.000	ng		-0.02
76) Chrysene-d12	13.974	240	306146	20.000	ng		-0.01
86) Perylene-d12	15.457	264	323998	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	494501	57.422	ng		-0.02
7) Phenol-d6	6.428	99	616053	56.475	ng		-0.02
23) Nitrobenzene-d5	7.363	82	390045	38.486	ng		-0.02
42) 2,4,6-Tribromophenol	10.628	330	184140	57.025	ng		-0.02
45) 2-Fluorobiphenyl	9.163	172	724451	39.036	ng		-0.02
79) Terphenyl-d14	12.916	244	608238	29.529	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.104	128	152216	5.373	ng		99
37) 2-Methylnaphthalene	8.798	142	74633	4.134	ng		98
38) 1-Methylnaphthalene	8.898	142	58921	3.312	ng		99
52) Acenaphthene	9.875	154	42569	2.488	ng		98
55) Dibenzofuran	10.045	168	68357	2.937	ng	#	95
58) Fluorene	10.386	166	113147	6.258	ng		98
71) Phenanthrene	11.357	178	695862	28.829	ng		99
72) Anthracene	11.404	178	154721	6.592	ng		100
75) Fluoranthene	12.545	202	628909	26.109	ng		98
78) Pyrene	12.774	202	546354	18.685	ng		99
81) Benzo(a)anthracene	13.969	228	279072	13.394	ng		95
83) Chrysene	14.004	228	205616	10.547	ng		97
87) Indeno(1,2,3-cd)pyrene	16.904	276	108864	4.586	ng	#	93
88) Benzo(b)fluoranthene	15.033	252	308605m	14.771	ng		
89) Benzo(k)fluoranthene	15.051	252	92347m	5.230	ng		
90) Benzo(a)pyrene	15.392	252	219637	12.742	ng		99
92) Benzo(g,h,i)perylene	17.339	276	93536	4.684	ng		98

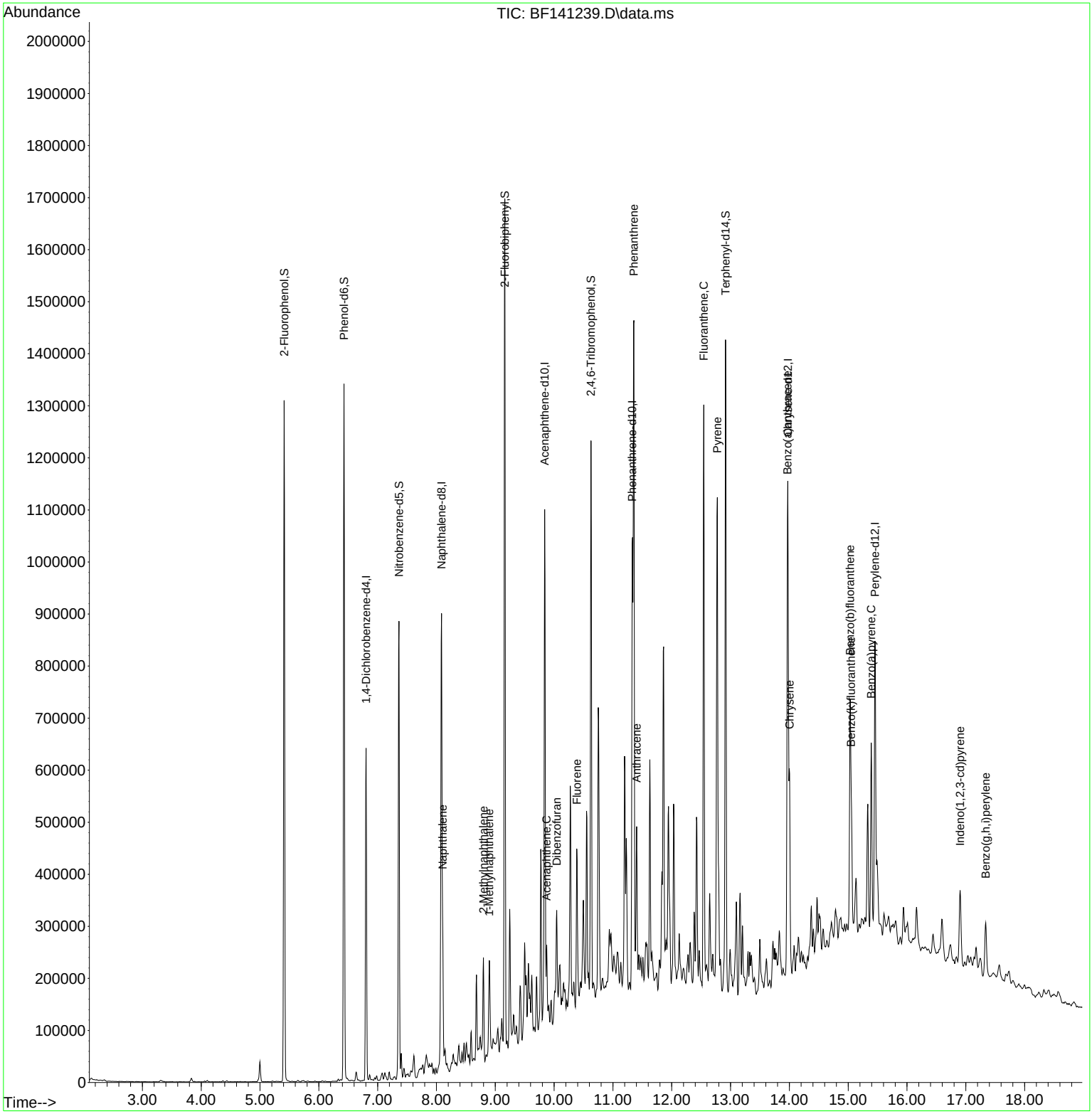
(#) = qualifier out of range (m) = manual integration (+) = signals summed

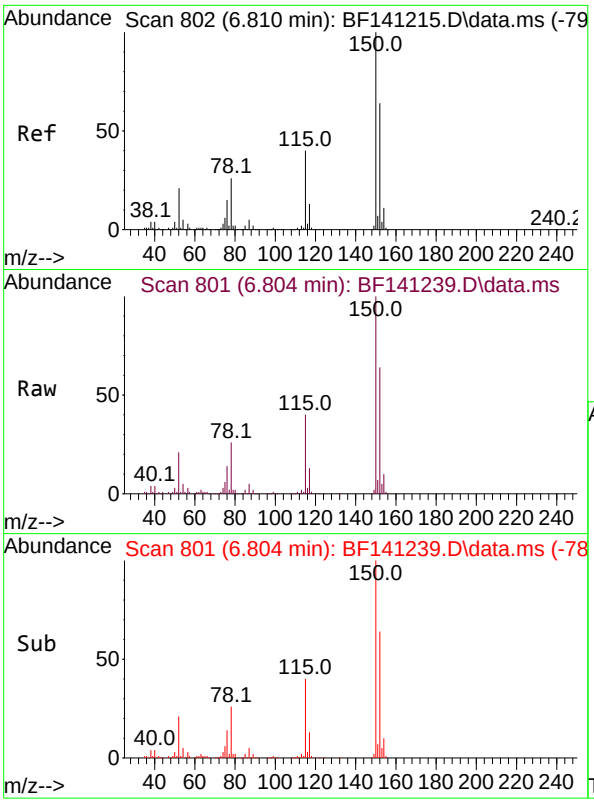
Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
Data File : BF141239.D
Acq On : 22 Jan 2025 17:06
Operator : RC/JU
Sample : Q1142-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Quant Time: Jan 22 17:35:56 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



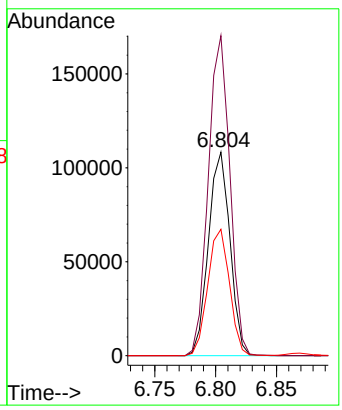


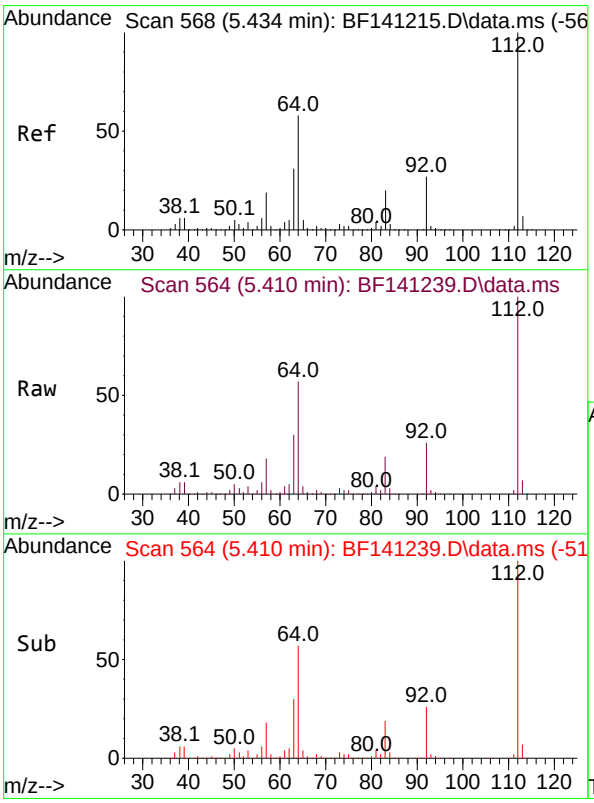
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 8(
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion:152 Resp: 133033

Ion	Ratio	Lower	Upper
152	100		
150	157.2	125.8	188.8
115	62.1	51.4	77.2

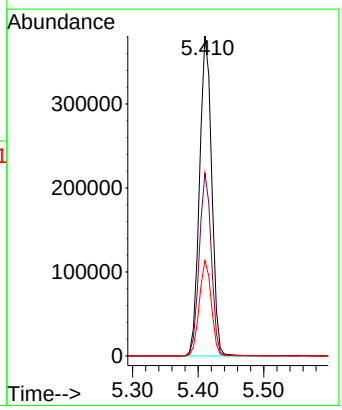


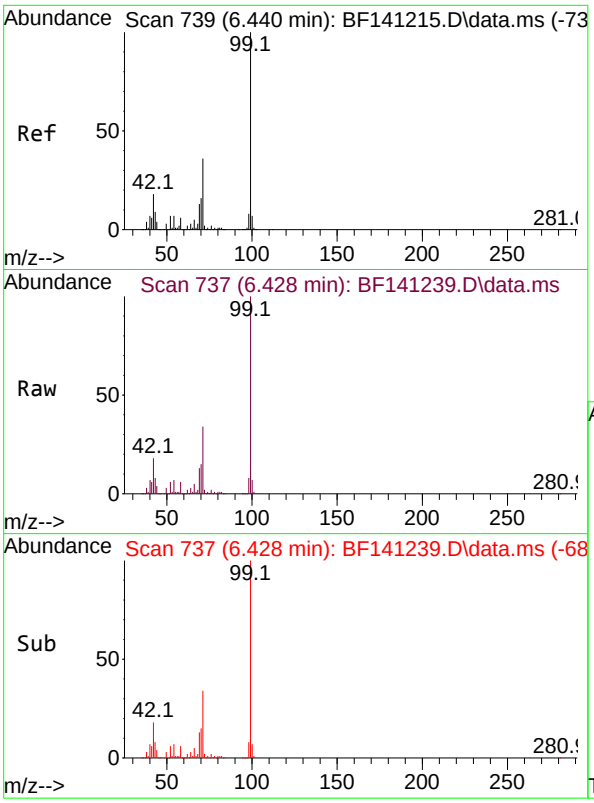


#5
2-Fluorophenol
Concen: 57.422 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:112 Resp: 494501

Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.3	70.9
63	29.8	24.2	36.2



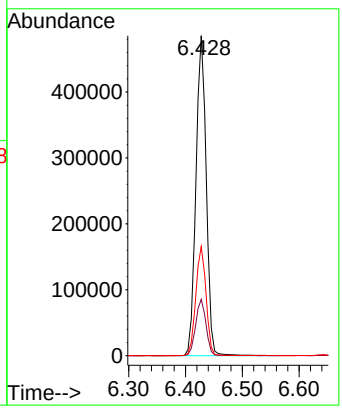


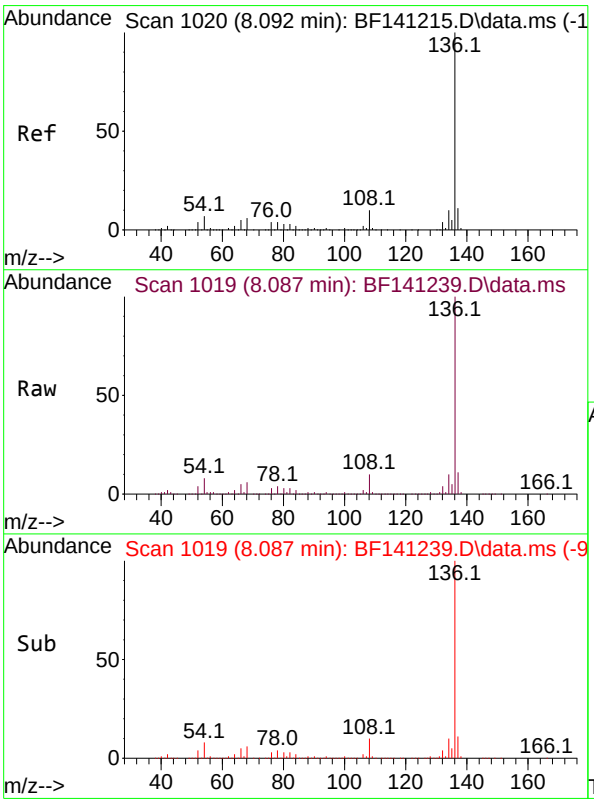
#7
Phenol-d6
Concen: 56.475 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion: 99 Resp: 616053

Ion	Ratio	Lower	Upper
99	100		
42	17.6	15.0	22.4
71	34.1	27.6	41.4

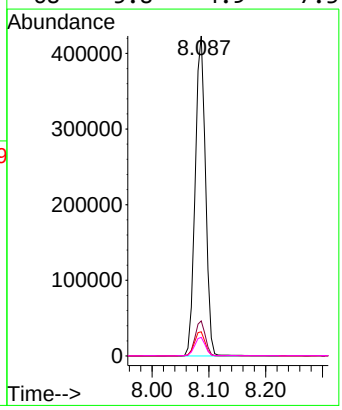


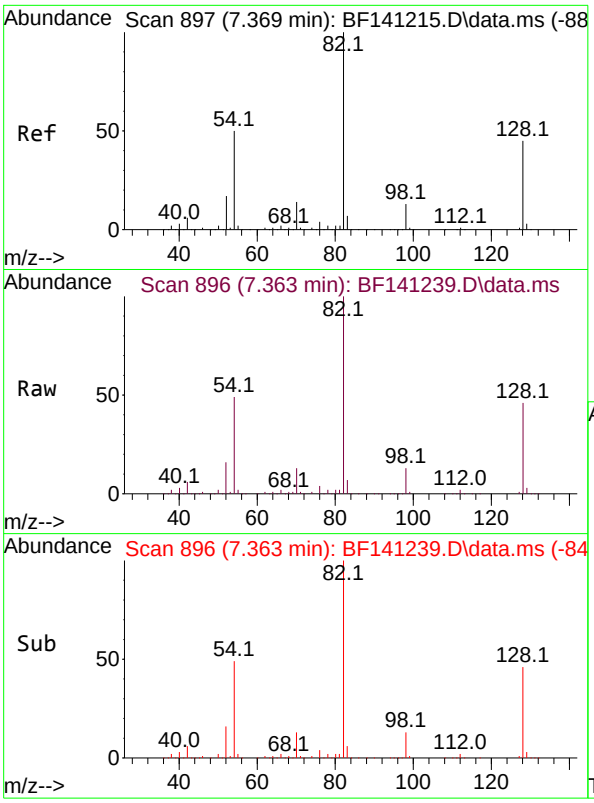


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:136 Resp: 537232

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.6	6.3	9.5
68	5.8	4.9	7.3



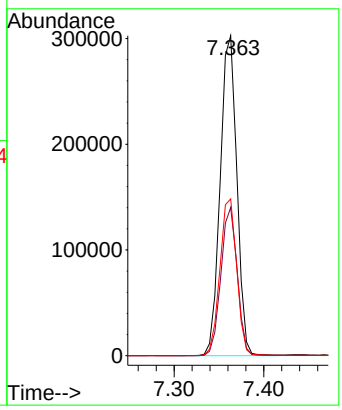


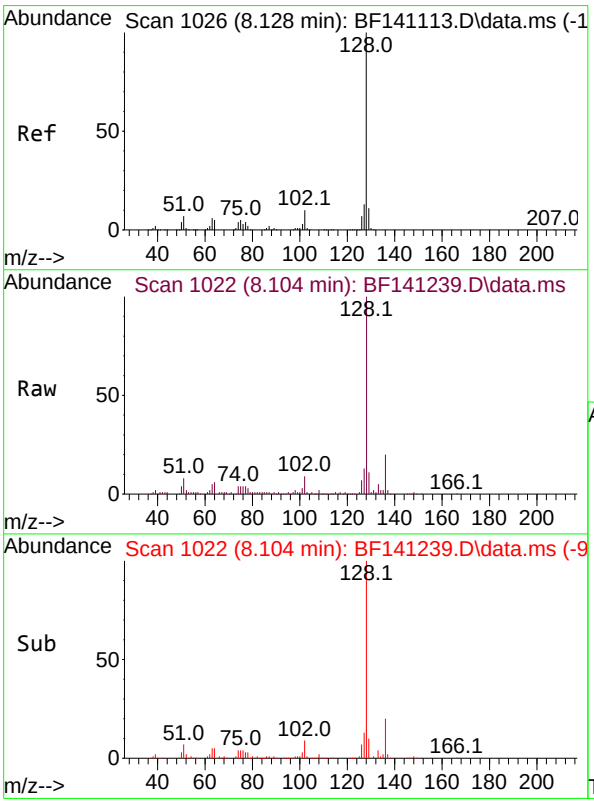
#23
Nitrobenzene-d5
Concen: 38.486 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion: 82 Resp: 390045

Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	49.0	41.0	61.4

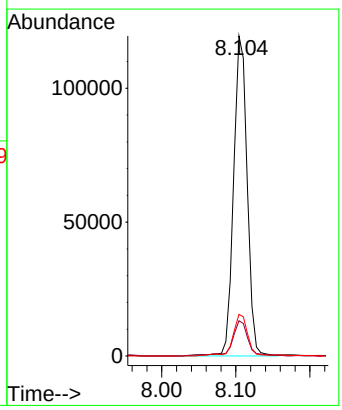


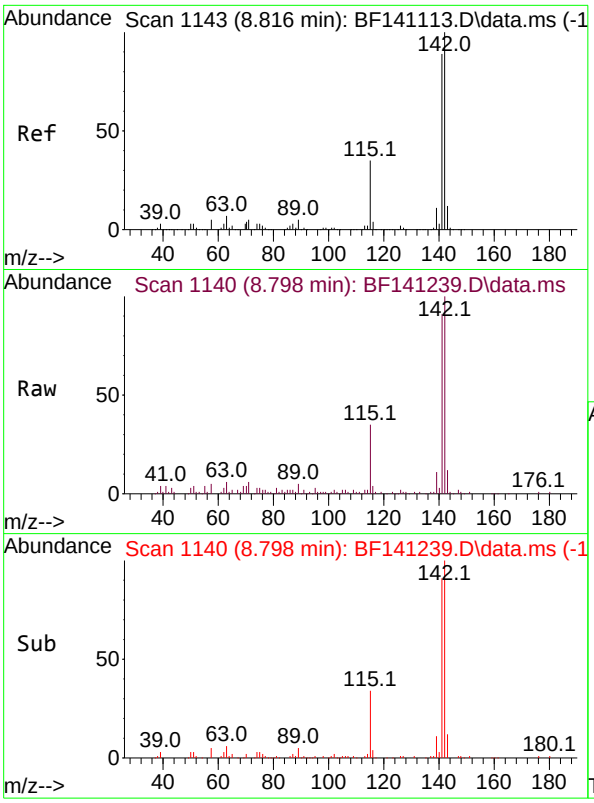


#31
Naphthalene
Concen: 5.373 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.024 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:128 Resp: 152216

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.0	10.8	16.2



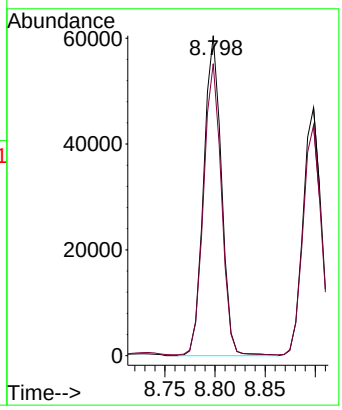


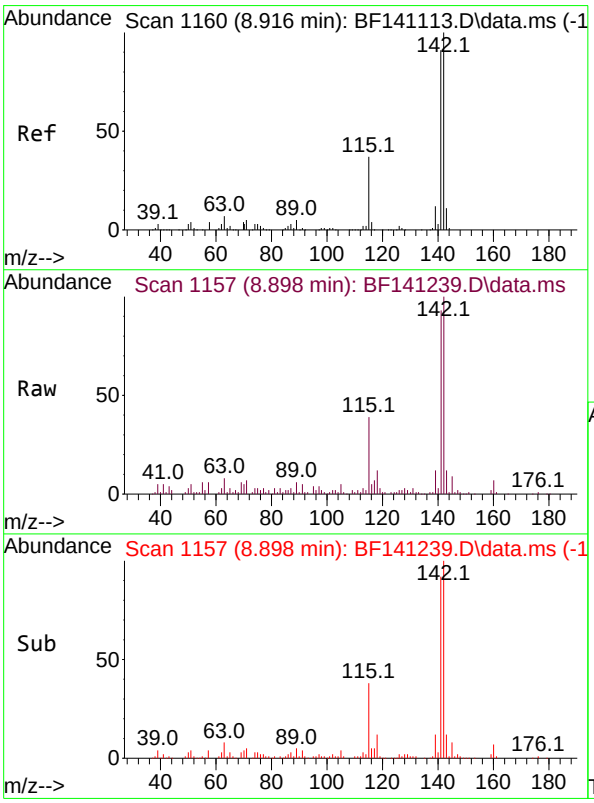
#37
2-Methylnaphthalene
Concen: 4.134 ng
RT: 8.798 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion:142 Resp: 74633

Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.3	106.9

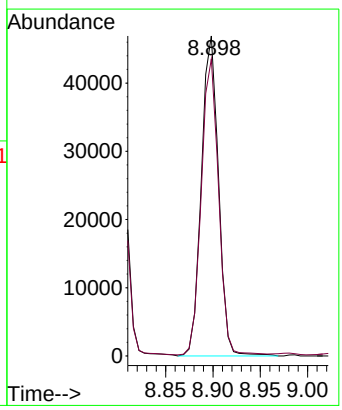


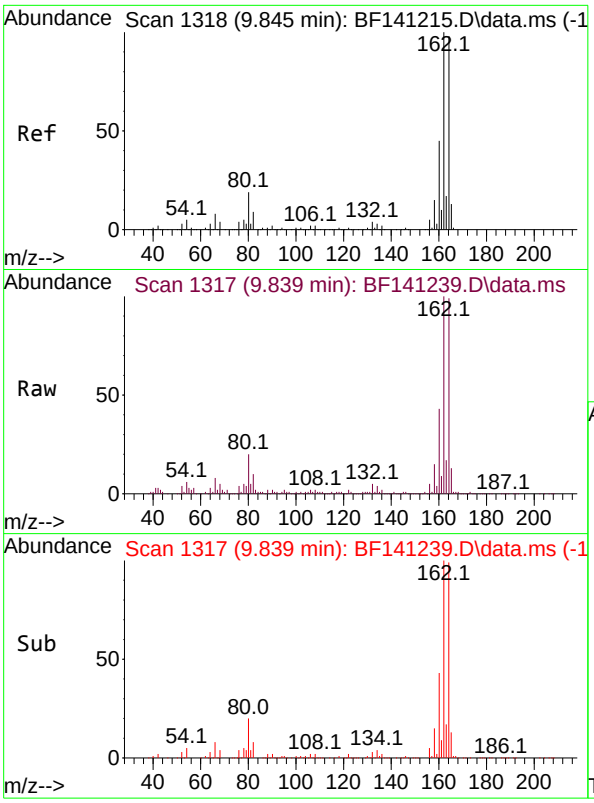


#38
1-Methylnaphthalene
Concen: 3.312 ng
RT: 8.898 min Scan# 1157
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:142 Resp: 58921

Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.1	109.7



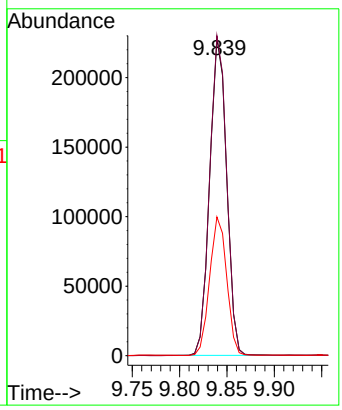


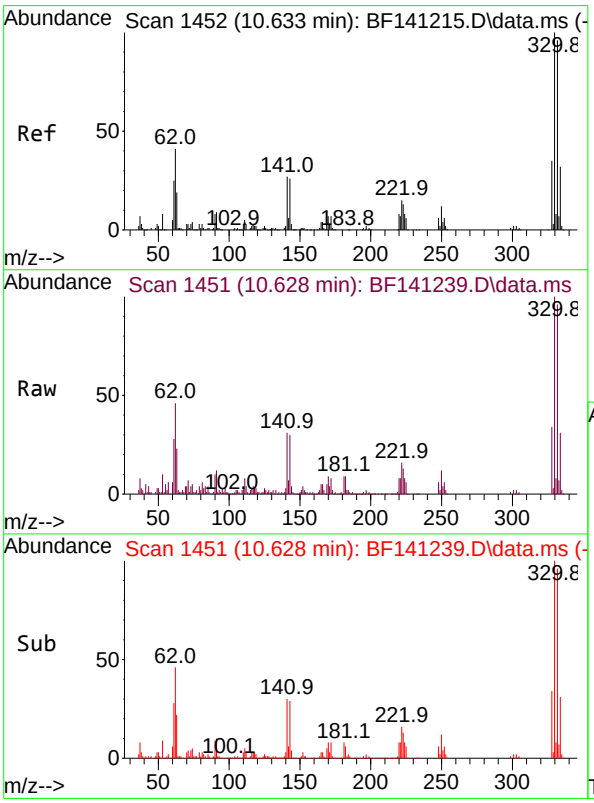
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion:164 Resp: 283396

Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.0	121.4
160	43.8	36.1	54.1

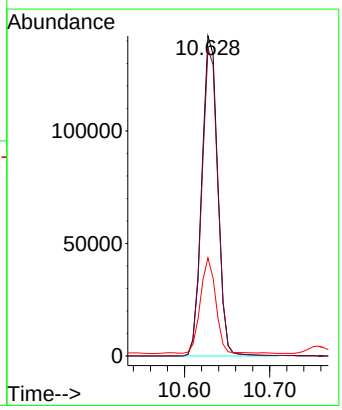


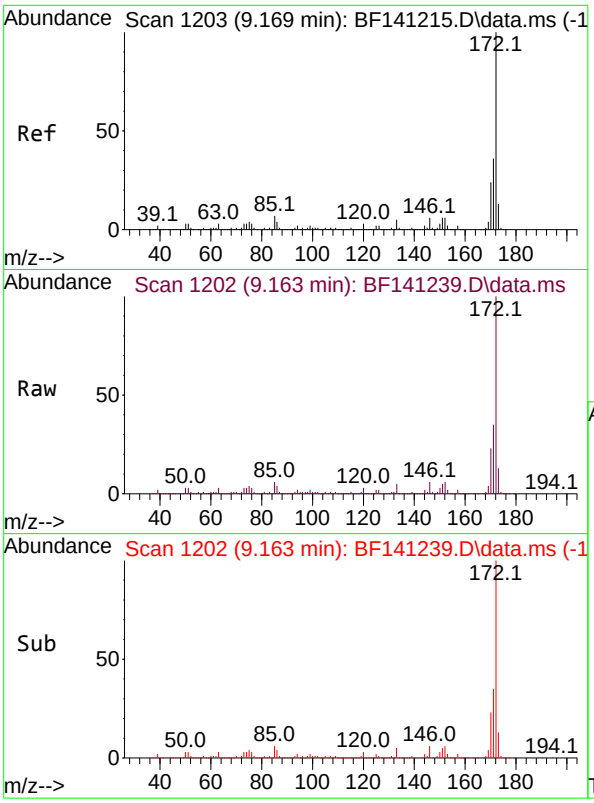


#42
2,4,6-Tribromophenol
Concen: 57.025 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.024 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:330 Resp: 184140

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.9	115.3
141	29.1	25.2	37.8



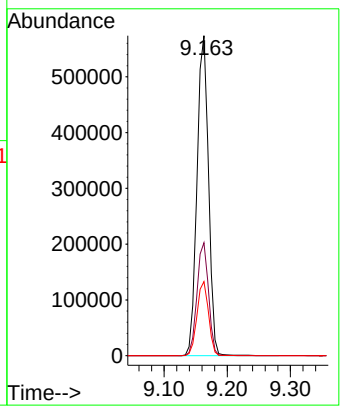


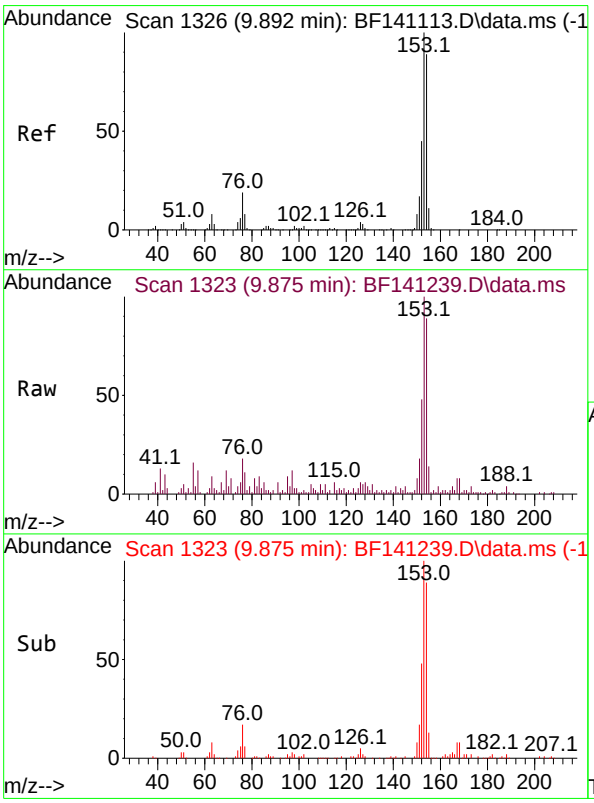
#45
2-Fluorobiphenyl
Concen: 39.036 ng
RT: 9.163 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion:172 Resp: 724451

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	23.2	19.0	28.6

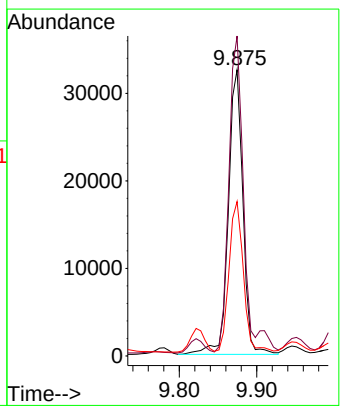


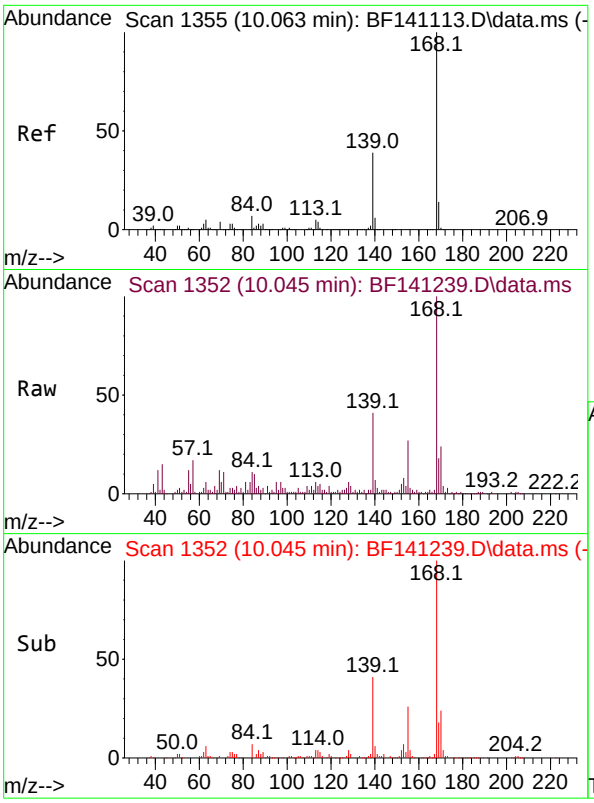


#52
Acenaphthene
Concen: 2.488 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:154 Resp: 42569

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.8	134.6
152	54.0	40.8	61.2



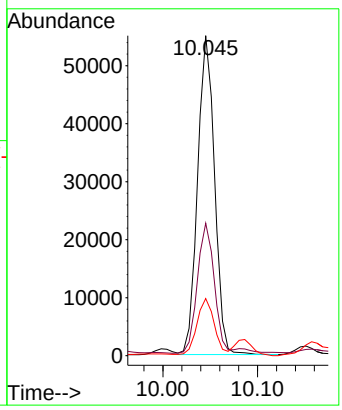


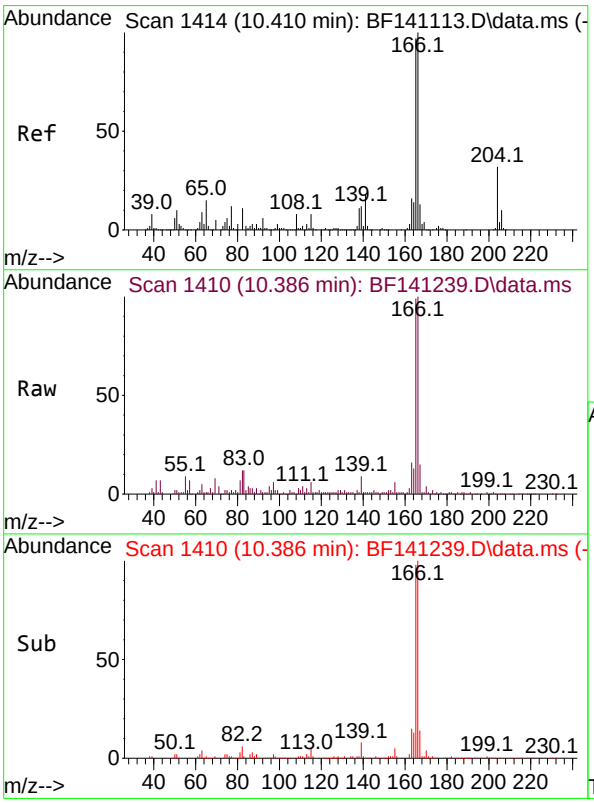
#55
Dibenzofuran
Concen: 2.937 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion:168 Resp: 68357

Ion	Ratio	Lower	Upper
168	100		
139	41.4	31.4	47.0
169	17.8	10.9	16.3#

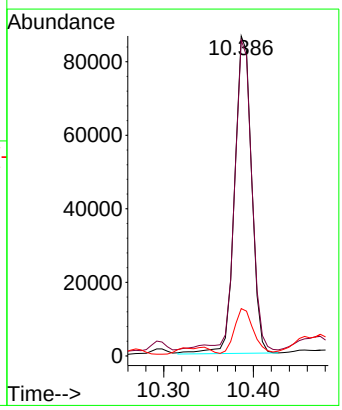


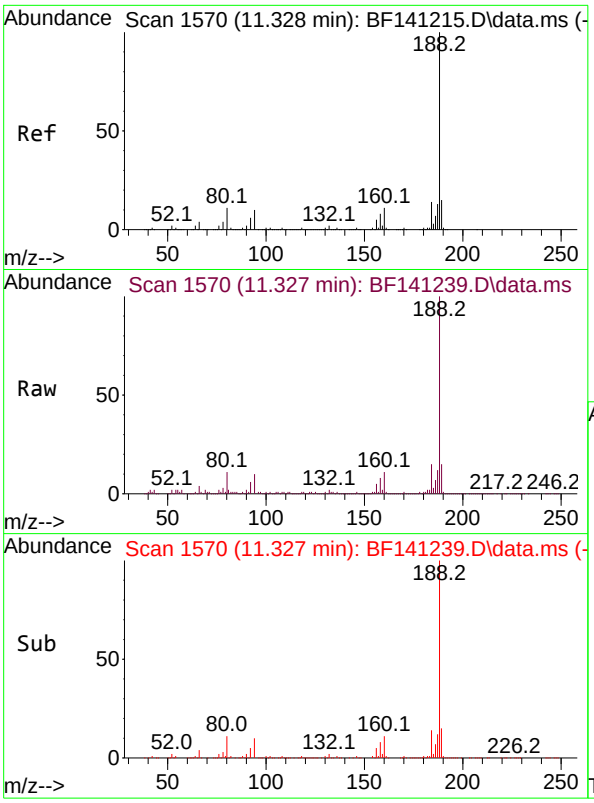


#58
Fluorene
Concen: 6.258 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.024 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:166 Resp: 113147

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.8	116.8
167	14.8	10.8	16.2



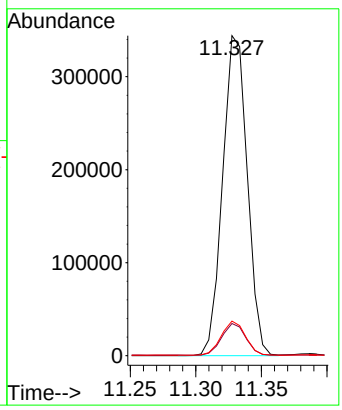


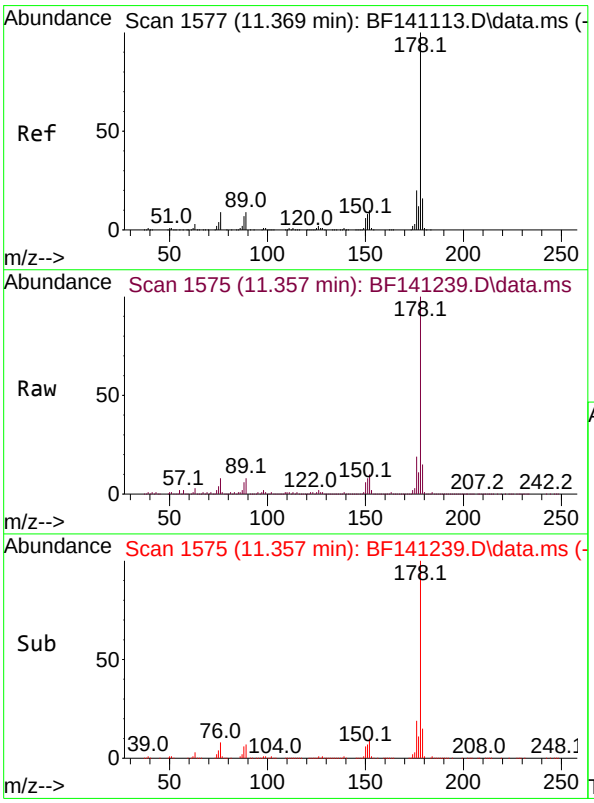
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion:188 Resp: 449607

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.3	12.5
80	10.8	9.0	13.4

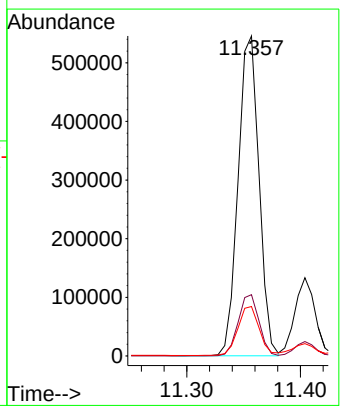


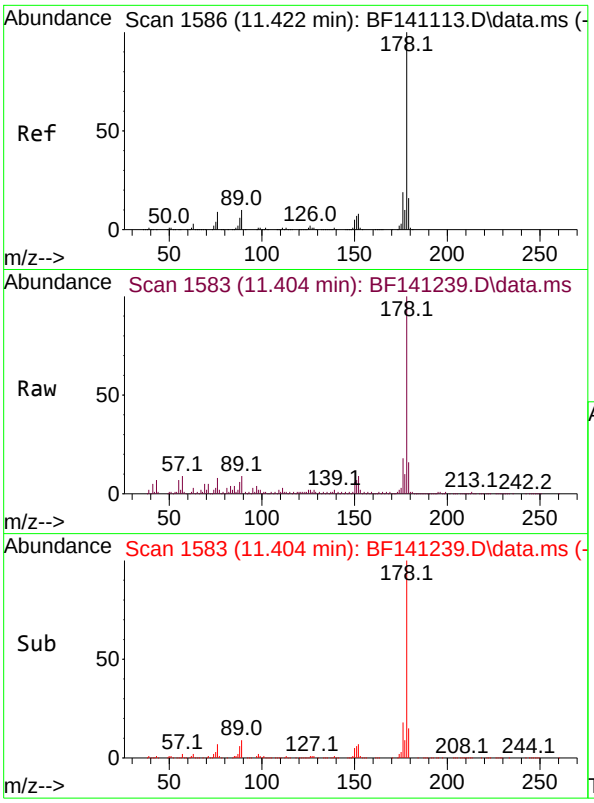


#71
Phenanthrene
Concen: 28.829 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:178 Resp: 695862

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	15.5	12.6	19.0



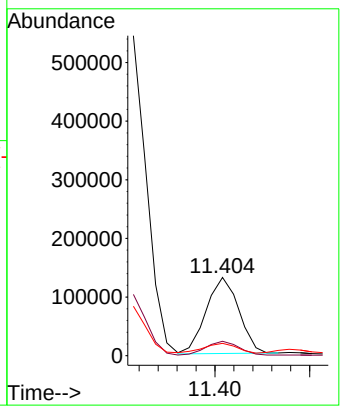


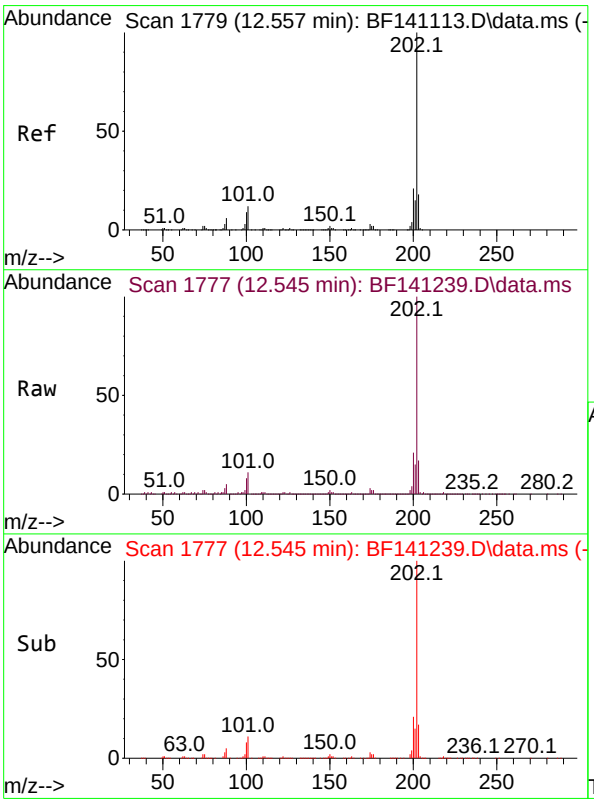
#72
Anthracene
Concen: 6.592 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion:178 Resp: 154721

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.7	12.6	19.0

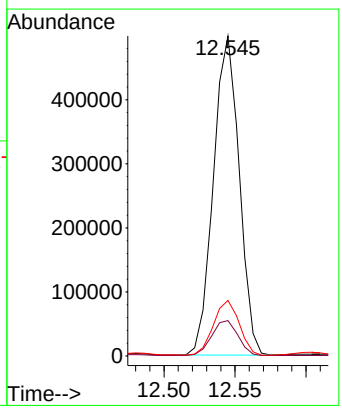


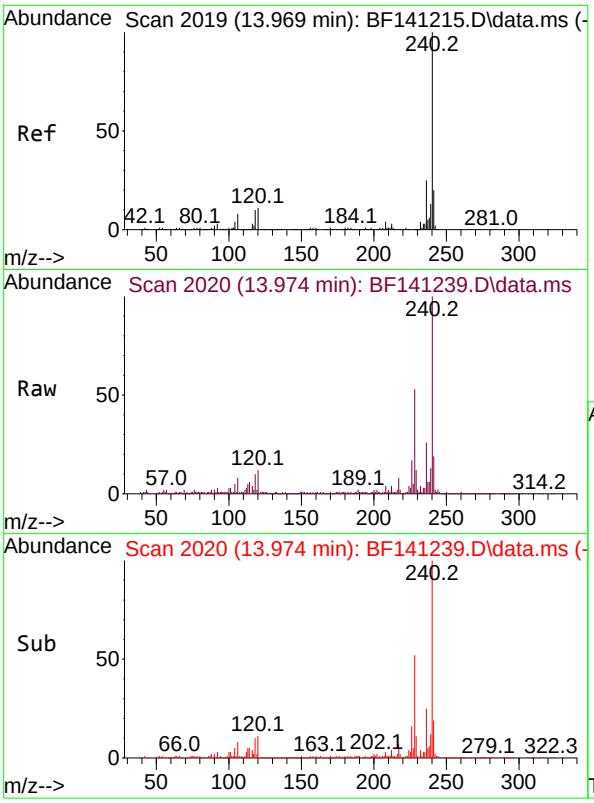


#75
Fluoranthene
Concen: 26.109 ng
RT: 12.545 min Scan# 1777
Delta R.T. -0.012 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:202 Resp: 628909

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	32.3
203	17.4	0.0	37.7



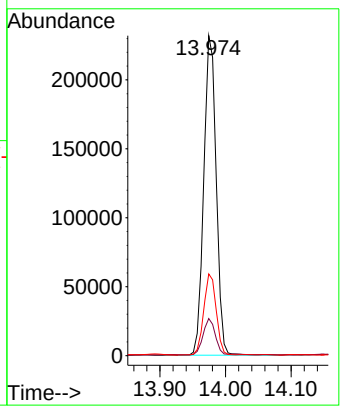


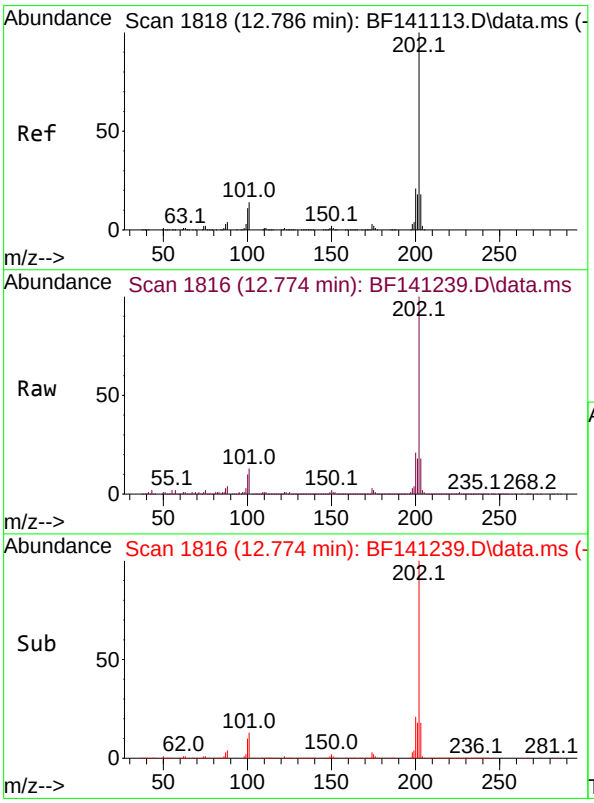
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion:240 Resp: 306146

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.1	13.7
236	25.6	19.8	29.6

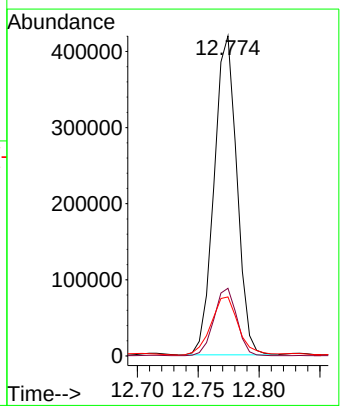


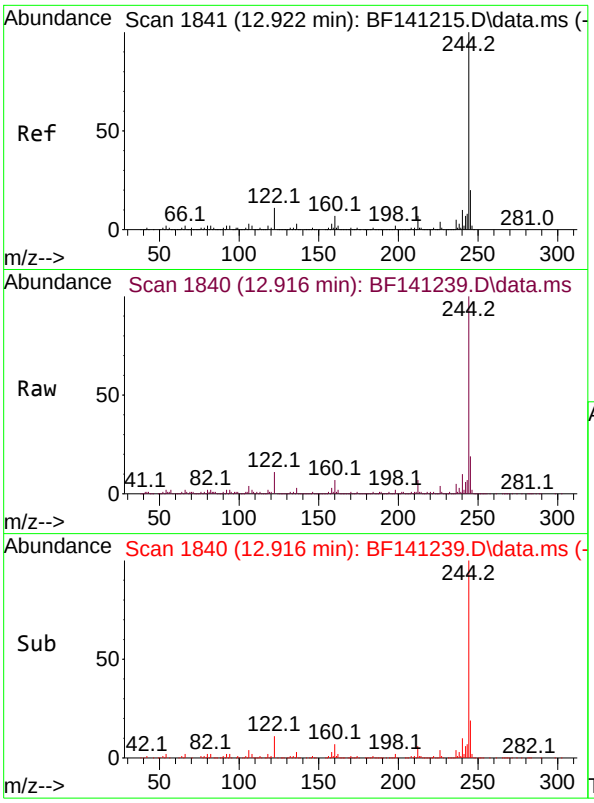


#78
Pyrene
Concen: 18.685 ng
RT: 12.774 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:202 Resp: 546354

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	18.5	14.3	21.5



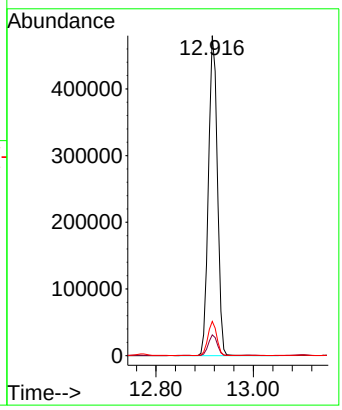


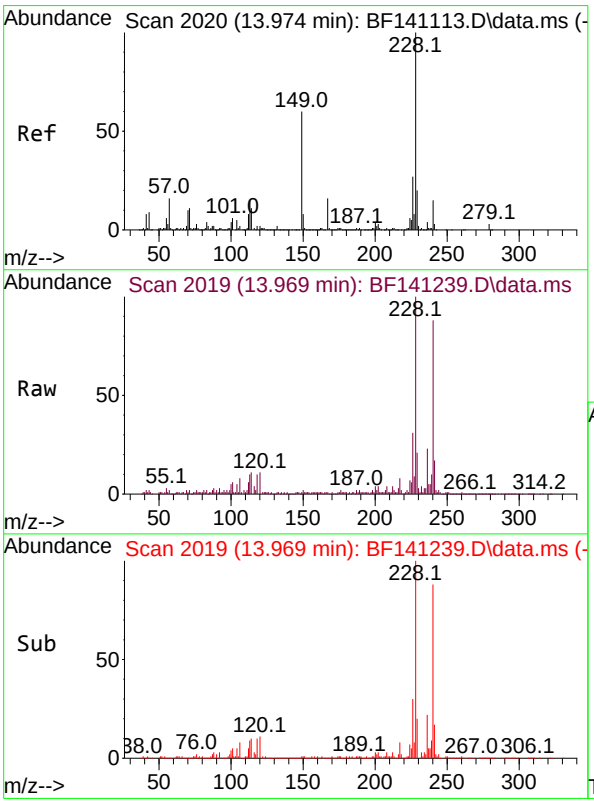
#79
Terphenyl-d14
Concen: 29.529 ng
RT: 12.916 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion:244 Resp: 608238

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	10.7	8.8	13.2

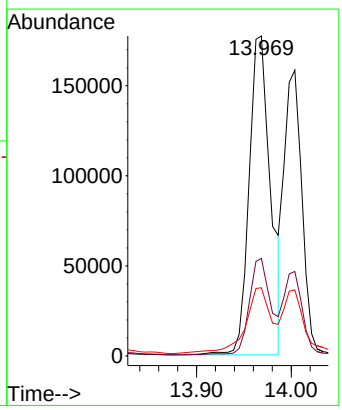


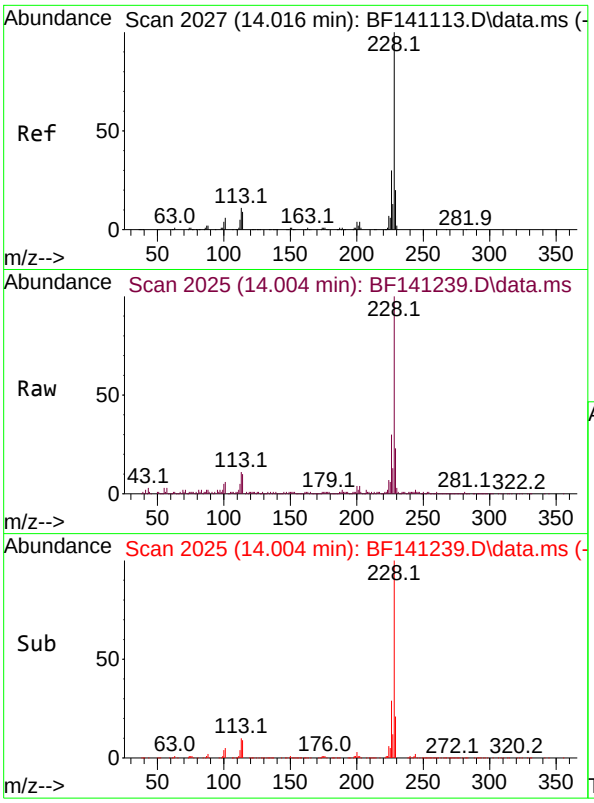


#81
Benzo(a)anthracene
Concen: 13.394 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:228 Resp: 279072

Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.7	32.5
229	21.3	15.7	23.5



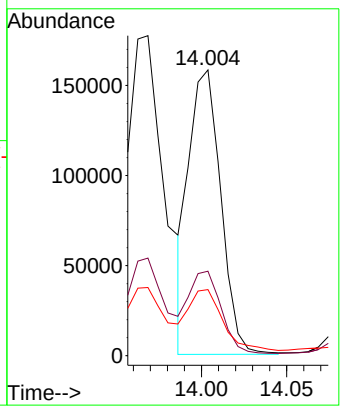


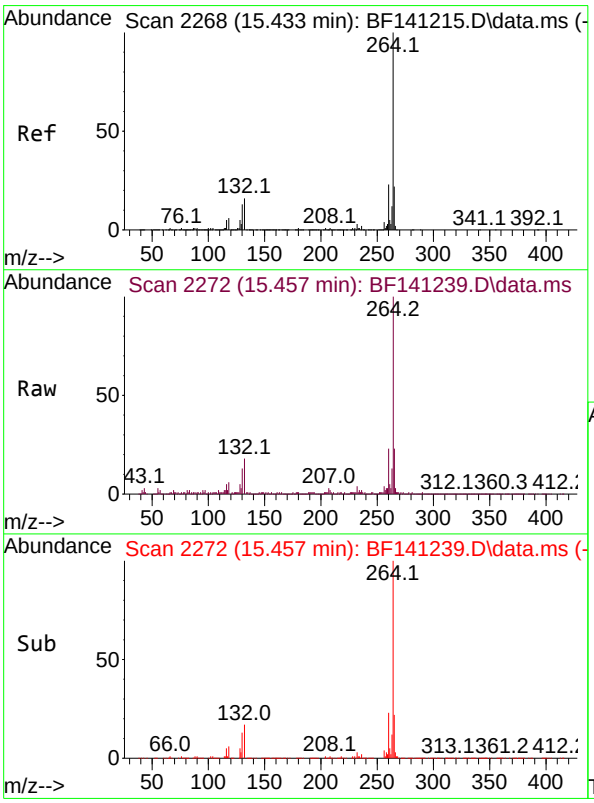
#83
Chrysene
Concen: 10.547 ng
RT: 14.004 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion:228 Resp: 205616

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.8
229	23.1	15.8	23.8

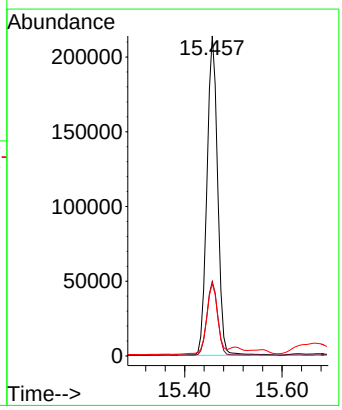


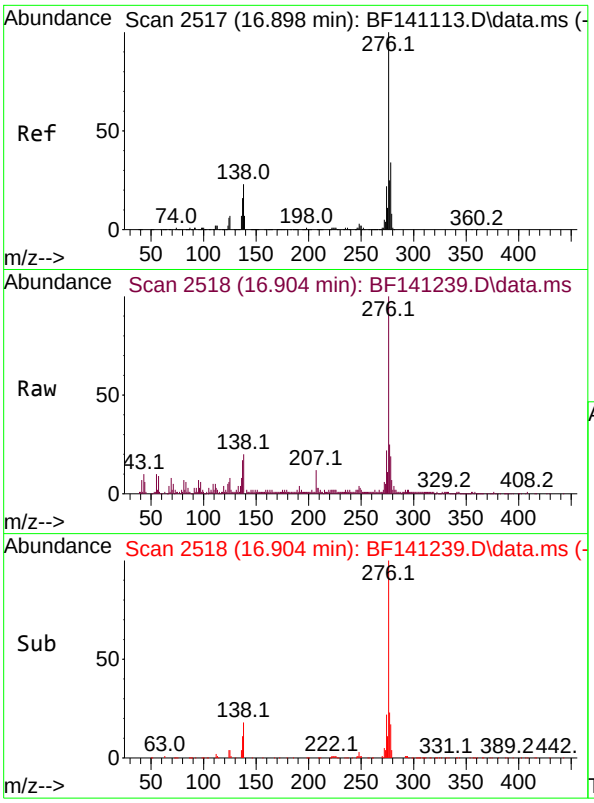


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:264 Resp: 323998

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	22.7	17.4	26.0



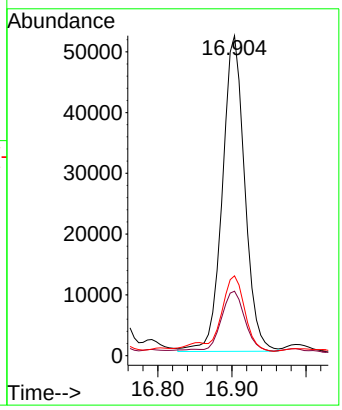


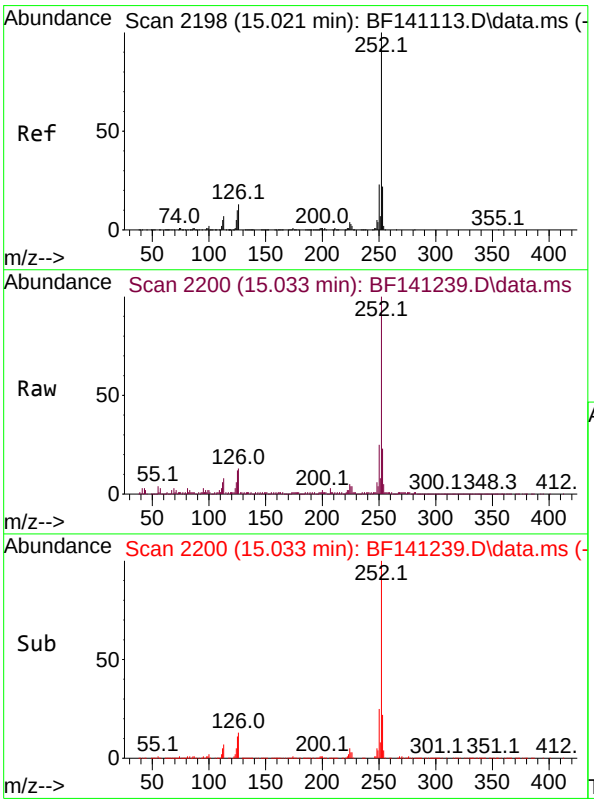
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.586 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion:276 Resp: 108864

Ion	Ratio	Lower	Upper
276	100		
138	20.2	20.7	31.1#
277	26.7	20.6	30.8

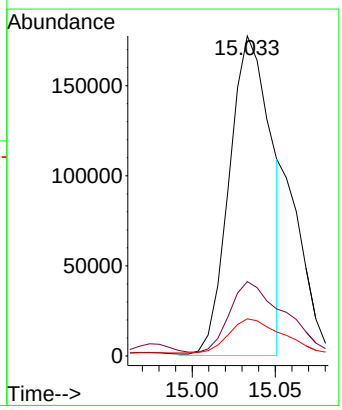


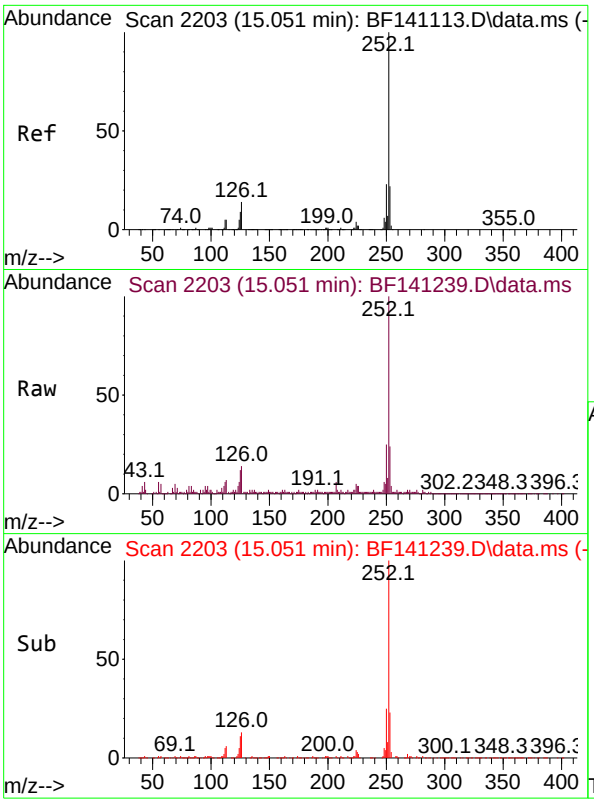


#88
Benzo(b)fluoranthene
Concen: 14.771 ng m
RT: 15.033 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:252 Resp: 308605

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	11.6	8.1	12.1



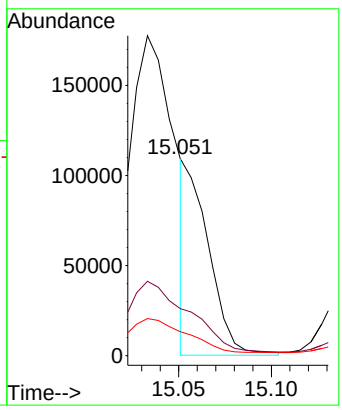


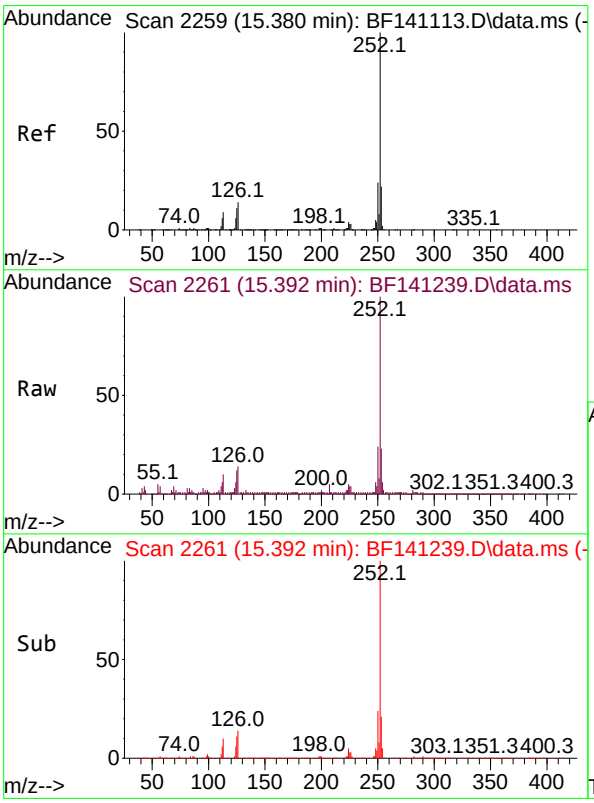
#89
Benzo(k)fluoranthene
Concen: 5.230 ng m
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion:252 Resp: 92347

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	12.2	7.9	11.9#

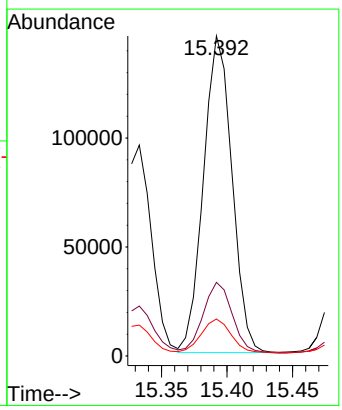


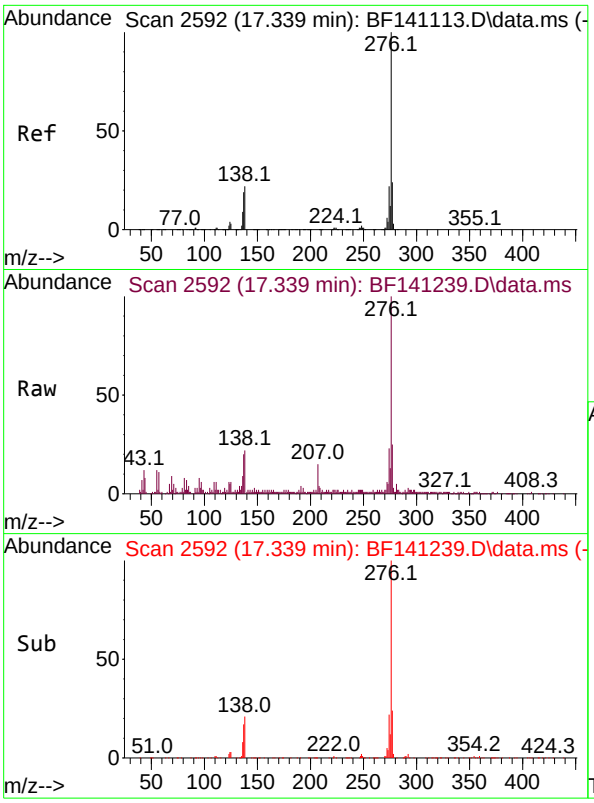


#90
Benzo(a)pyrene
Concen: 12.742 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.012 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:252 Resp: 219637

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	11.6	9.1	13.7





#92
Benzo(g,h,i)perylene
Concen: 4.684 ng
RT: 17.339 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion:276 Resp: 93536

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.0	28.4
138	21.6	17.4	26.2