Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141204.D
Acq On : 17 Jan 2025 20:18
Operator : RC/JU
Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Quant Time: Jan 17 23:12:03 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	6.810	152	208969	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	824346	20.000	ng	-0.01
39) Acenaphthene-d10	9.839	164	430569	20.000	ng	-0.02
64) Phenanthrene-d10	11.327	188	661327	20.000	ng	-0.02
76) Chrysene-d12	13.968	240	394222	20.000	ng	-0.02
86) Perylene-d12	15.421	264	409982	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	935404	69.150	ng	0.00
7) Phenol-d6	6.434	99	1174427	68.539	ng	-0.01
23) Nitrobenzene-d5	7.369	82	749102	48.170	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	348974	71.131	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1297248	46.008	ng	-0.02
79) Terphenyl-d14	12.916	244	981926	37.021	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.110	128	137287	3.158	ng	99
50) Dimethylphthalate	9.557	163	193617	6.698	ng	100
52) Acenaphthene	9.875	154	79806	3.070	ng	99
55) Dibenzofuran	10.045	168	107205	3.032	ng	98
58) Fluorene	10.386	166	112284	4.087	ng	99
71) Phenanthrene	11.357	178	1367361	38.512	ng	99
72) Anthracene	11.404	178	284610	8.244	ng	100
73) Carbazole	11.557	167	110049	3.476	ng	99
75) Fluoranthene	12.545	202	1089479	30.750	ng	98
78) Pyrene	12.769	202	930091	24.701	ng	99
81) Benzo(a)anthracene	13.957	228	408973	15.244	ng	98
83) Chrysene	13.992	228	352154	14.028	ng	98
87) Indeno(1,2,3-cd)pyrene	16.857	276	120026	3.996	ng	94
88) Benzo(b)fluoranthene	15.004	252	378059m	14.300	ng	
89) Benzo(k)fluoranthene	15.015	252	165854m	7.424	ng	
90) Benzo(a)pyrene	15.363	252	281169	12.891	ng	98
92) Benzo(g,h,i)perylene	17.292	276	105987	4.194	ng	98

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141204.D
Acq On : 17 Jan 2025 20:18
Operator : RC/JU
Sample : Q1115-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Quant Time: Jan 17 23:12:03 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
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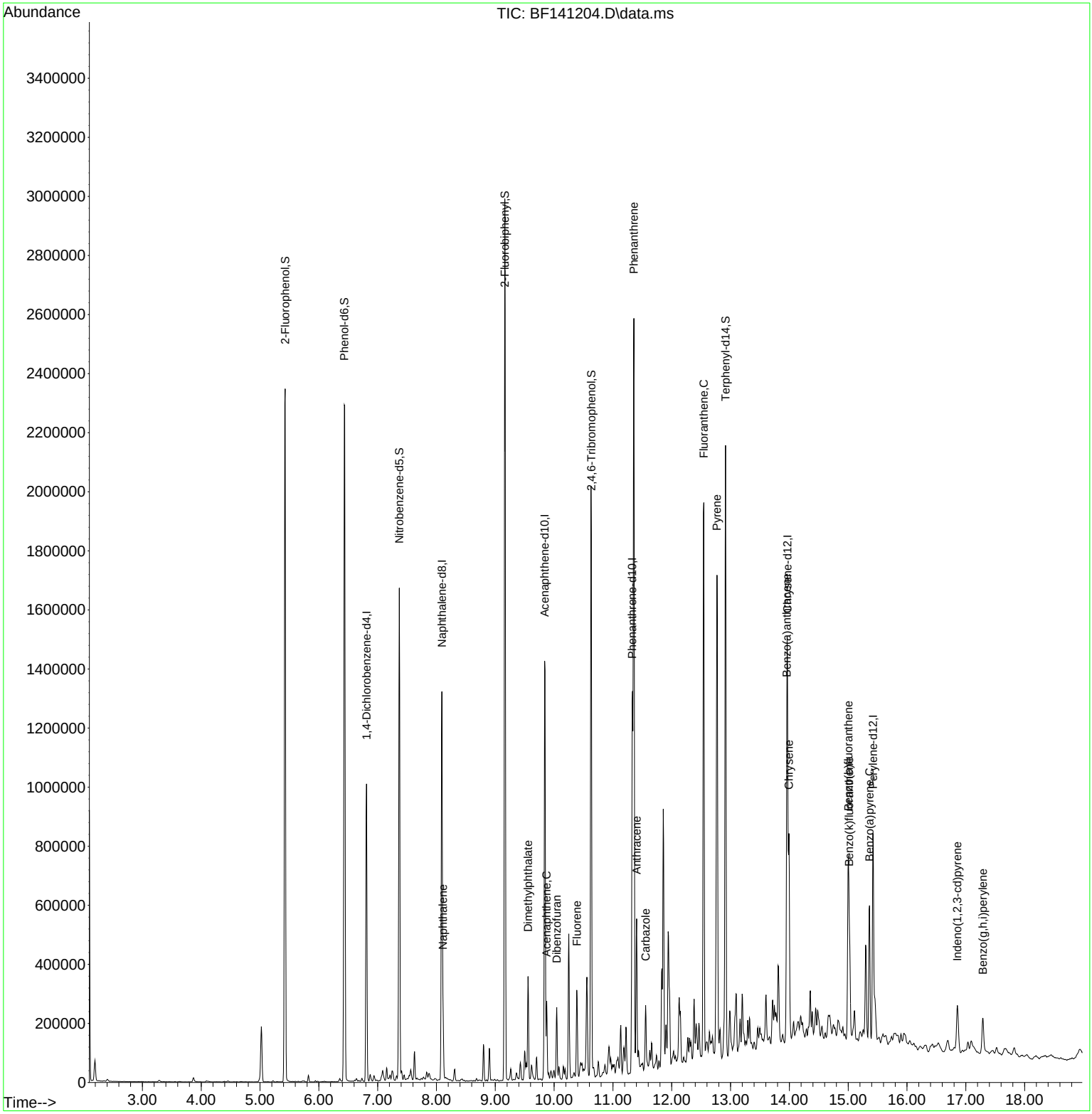
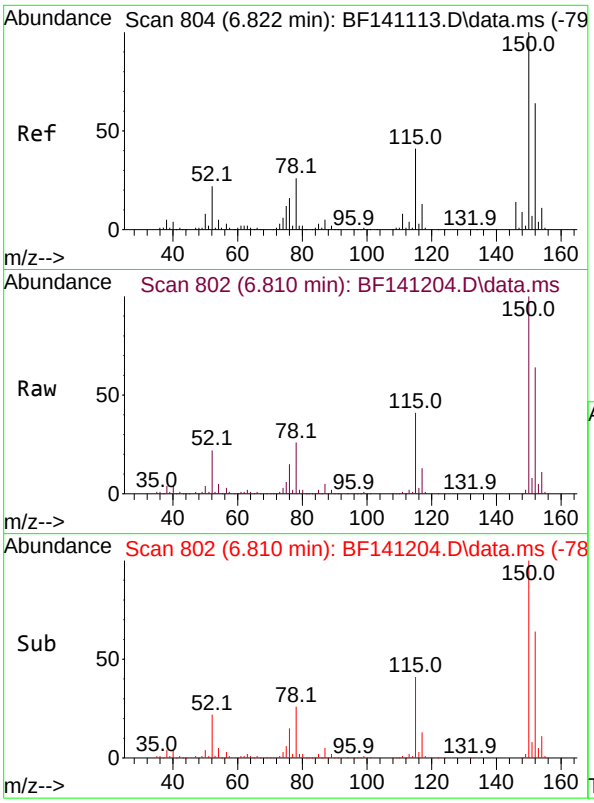


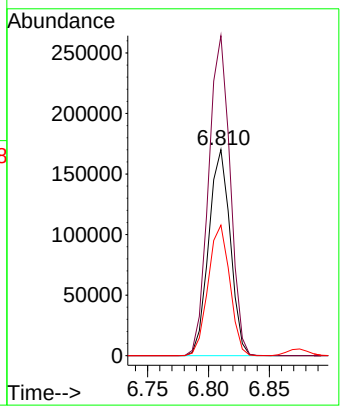


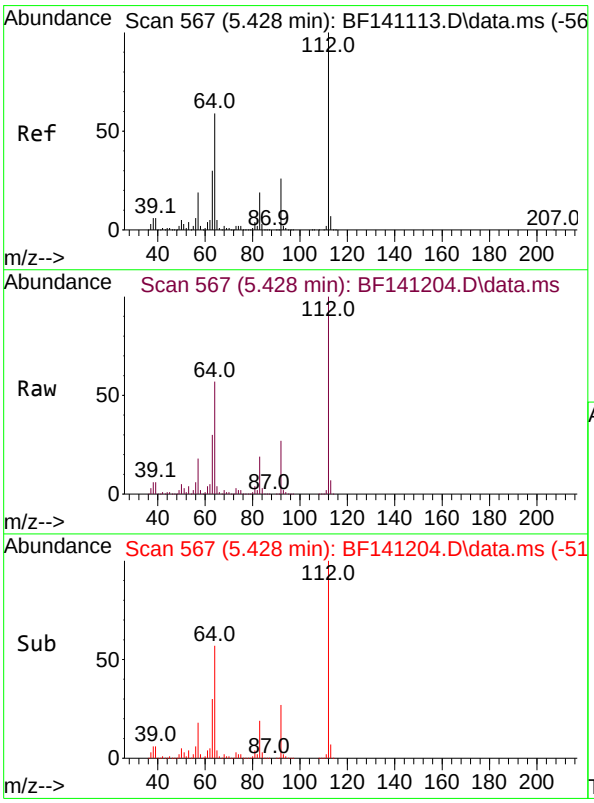
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion:152 Resp: 208969

Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.8	188.8
115	63.4	51.4	77.2

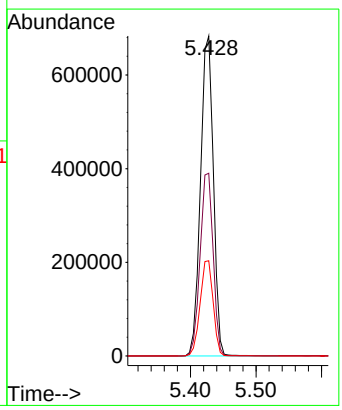


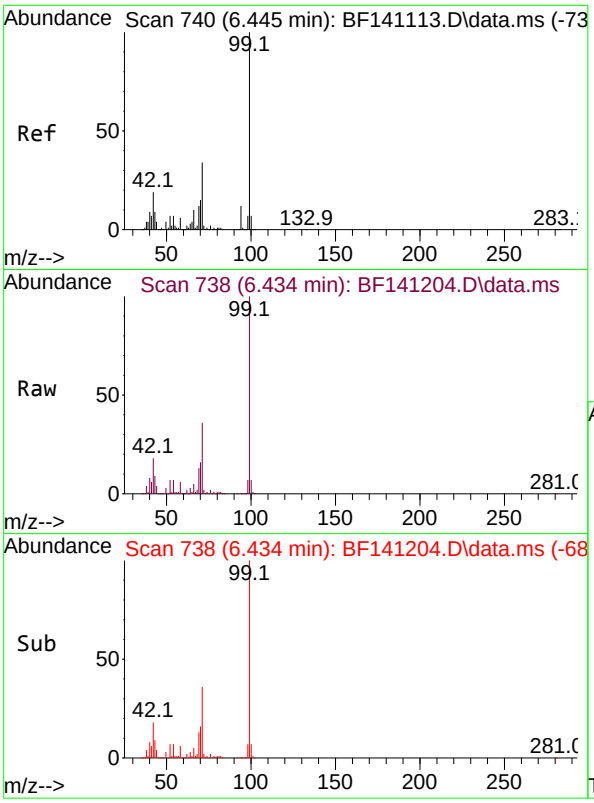


#5
2-Fluorophenol
Concen: 69.150 ng
RT: 5.428 min Scan# 567
Delta R.T. 0.000 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:112 Resp: 935404

Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.3	70.9
63	29.8	24.2	36.2



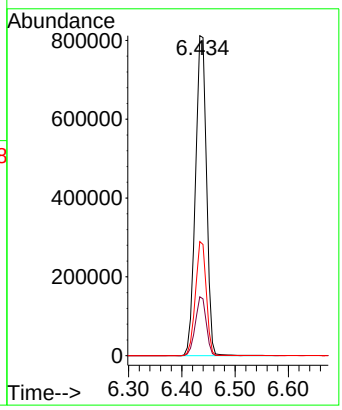


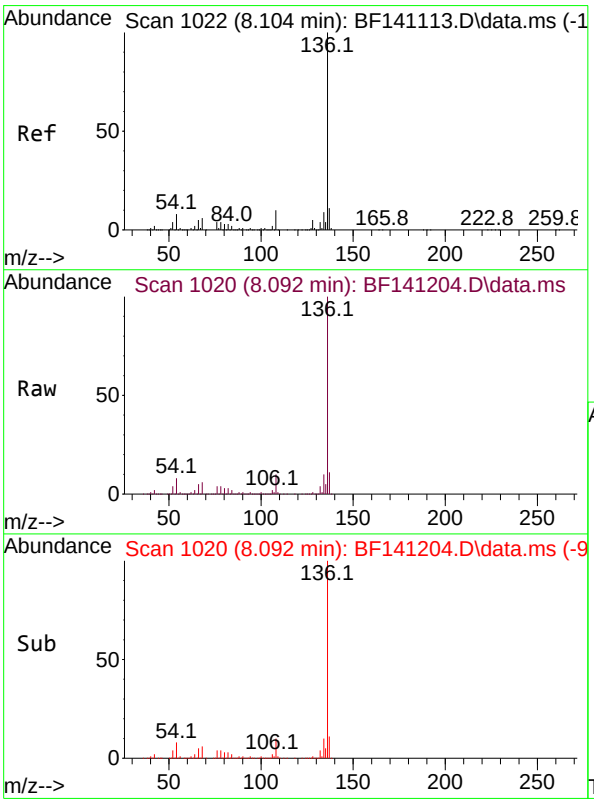
#7
Phenol-d6
Concen: 68.539 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion: 99 Resp: 1174427

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.0	22.4
71	35.6	27.6	41.4

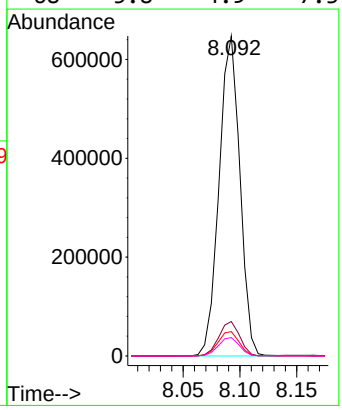


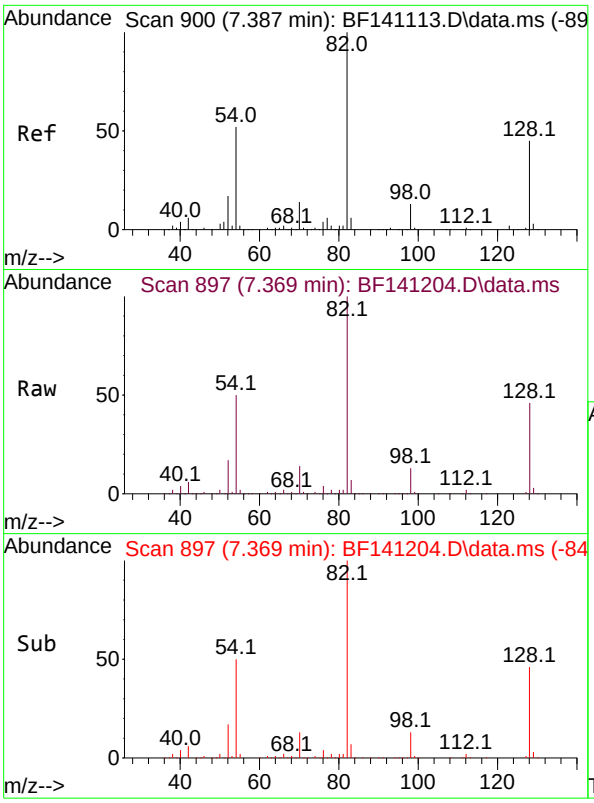


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:136 Resp: 824346

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.6	6.3	9.5
68	5.8	4.9	7.3



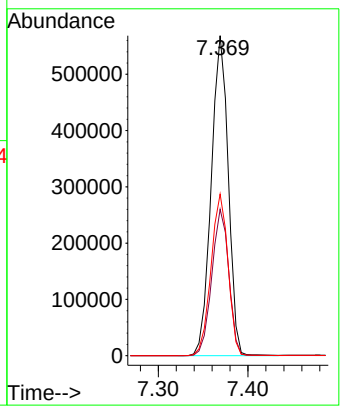


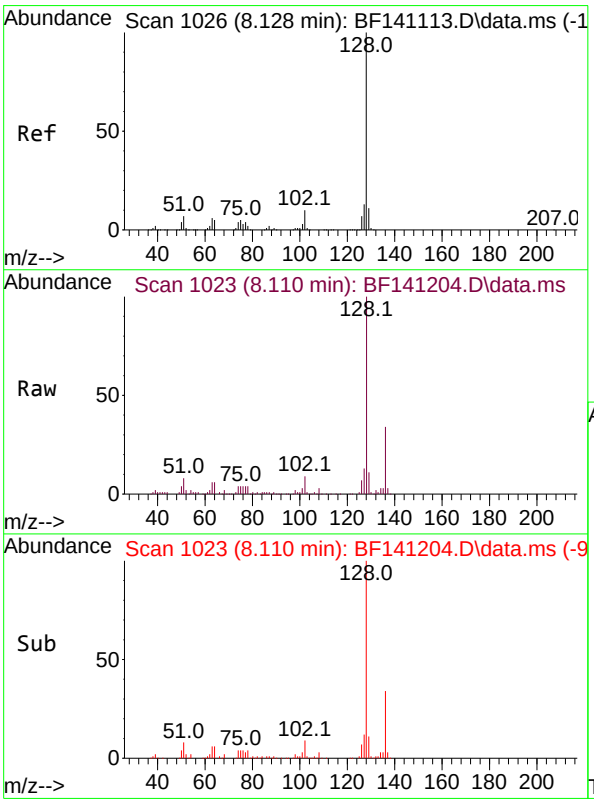
#23
Nitrobenzene-d5
Concen: 48.170 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion: 82 Resp: 749102

Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	50.5	41.0	61.4

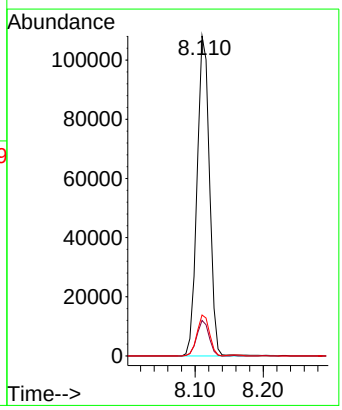


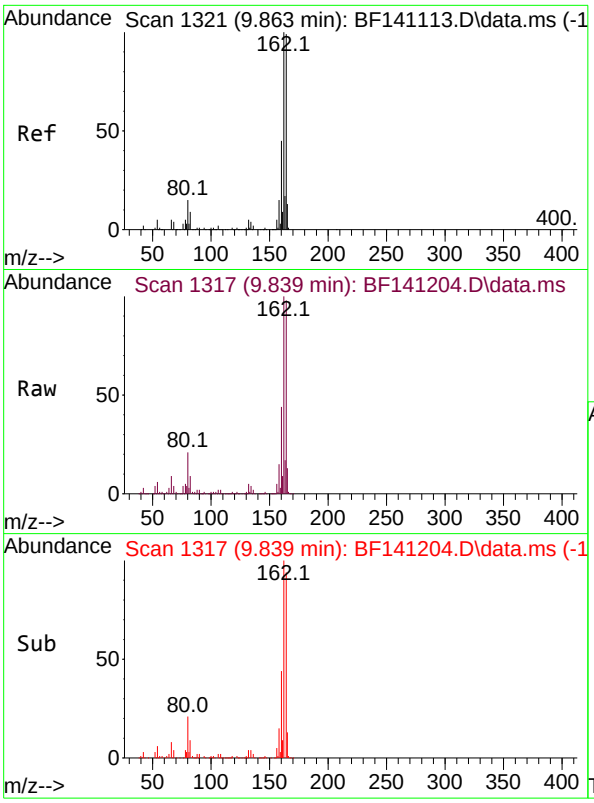


#31
Naphthalene
Concen: 3.158 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:128 Resp: 137287

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	12.8	10.8	16.2



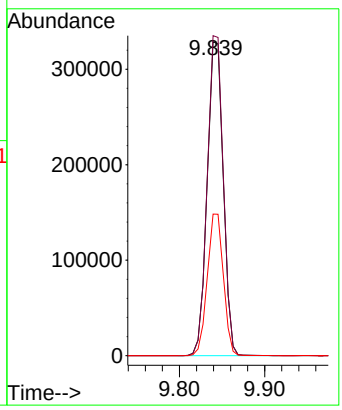


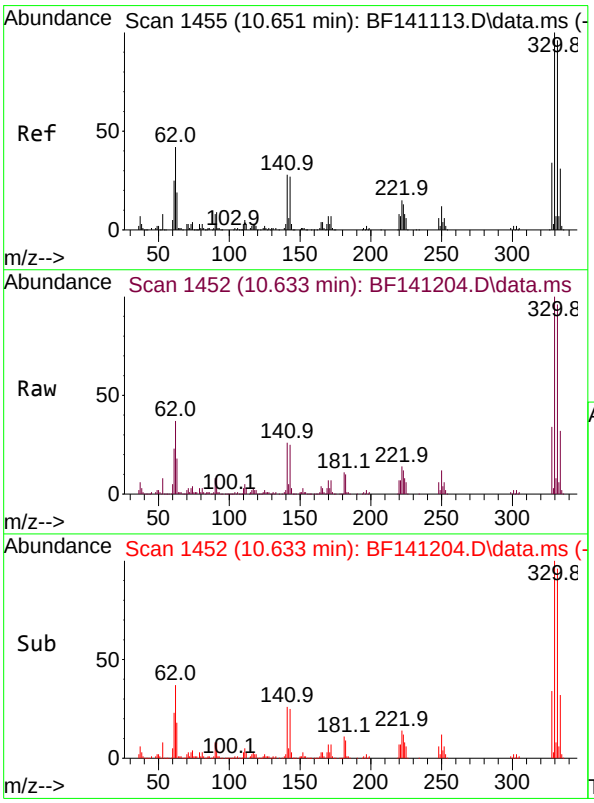
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion:164 Resp: 430569

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.0	121.4
160	45.1	36.1	54.1

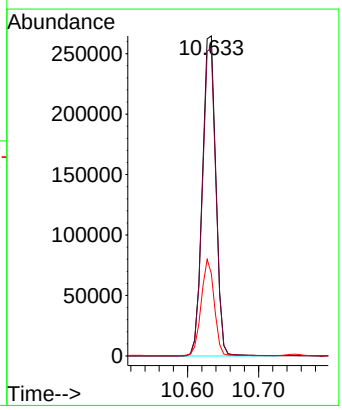


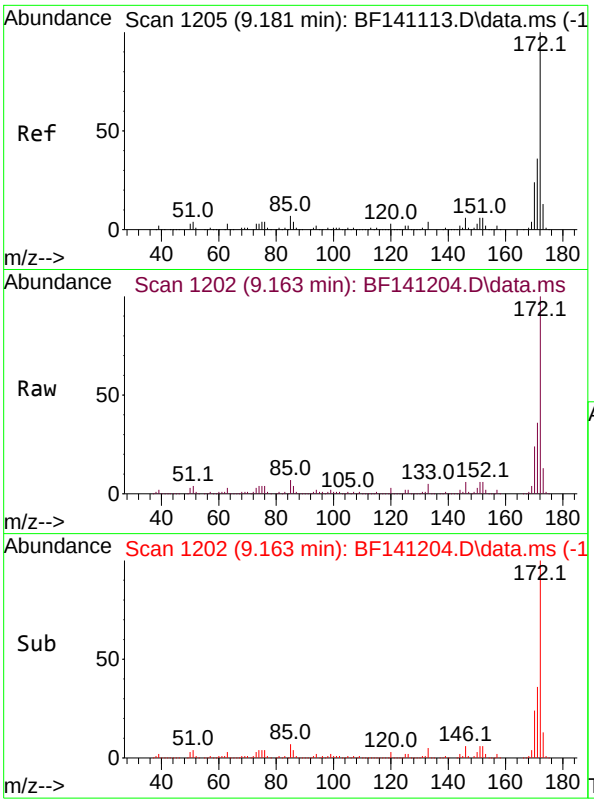


#42
2,4,6-Tribromophenol
Concen: 71.131 ng
RT: 10.633 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:330 Resp: 348974

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.9	115.3
141	29.2	25.2	37.8



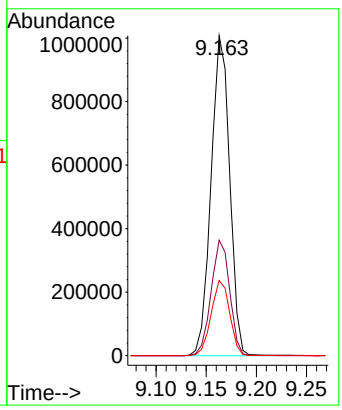


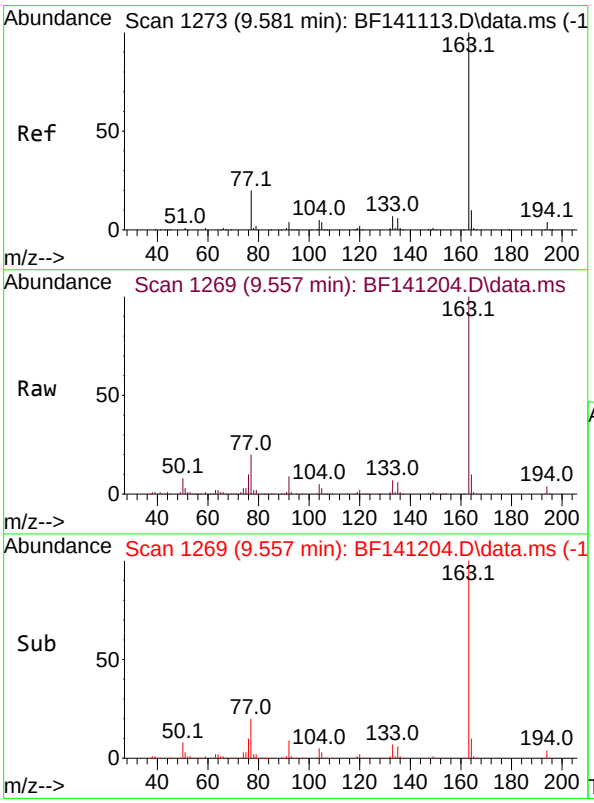
#45
2-Fluorobiphenyl
Concen: 46.008 ng
RT: 9.163 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion:172 Resp: 1297248

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.7	43.1
170	23.5	19.0	28.6

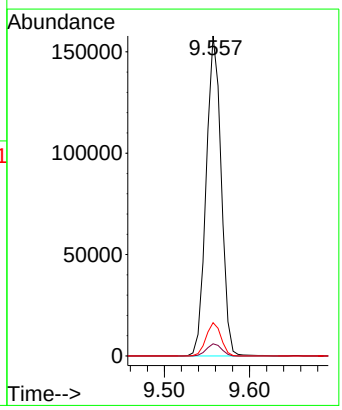


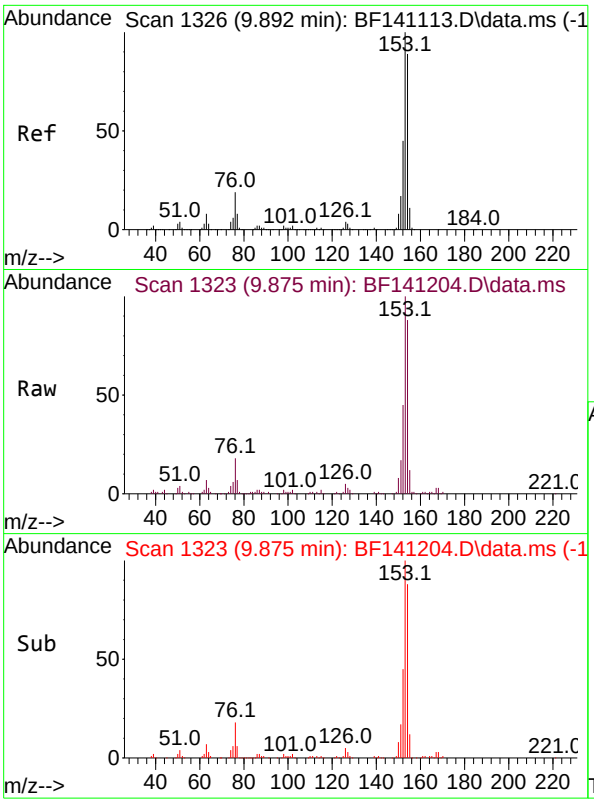


#50
Dimethylphthalate
Concen: 6.698 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.024 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:163 Resp: 193617

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.4	8.2	12.4



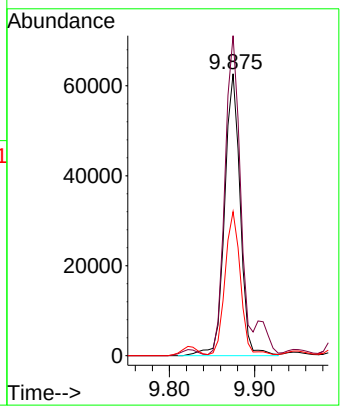


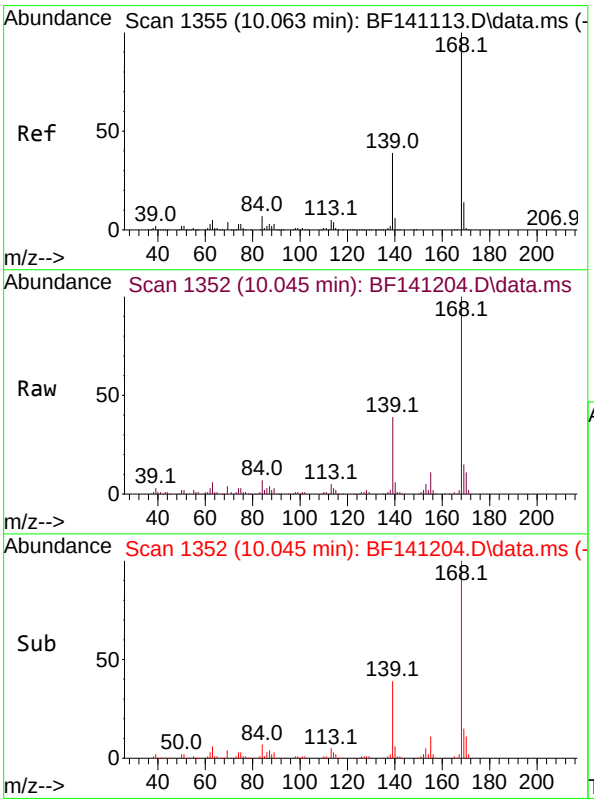
#52
Acenaphthene
Concen: 3.070 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion:154 Resp: 79806

Ion	Ratio	Lower	Upper
154	100		
153	113.5	89.8	134.6
152	51.1	40.8	61.2

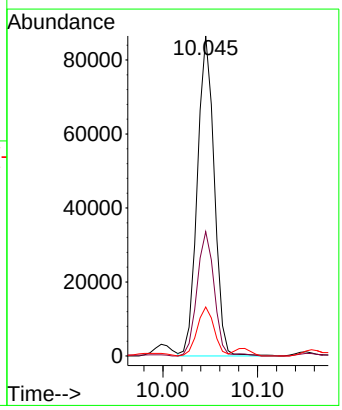


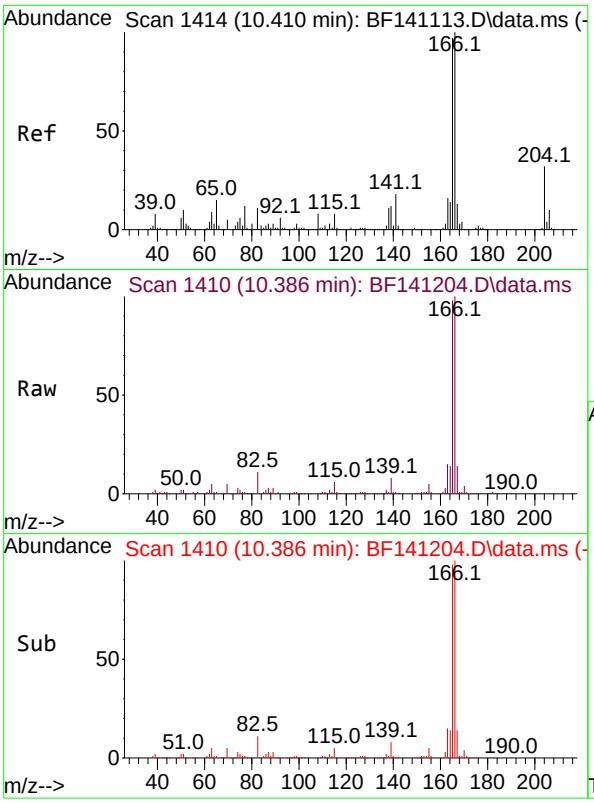


#55
Dibenzofuran
Concen: 3.032 ng
RT: 10.045 min Scan# 1352
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:168 Resp: 107205

Ion	Ratio	Lower	Upper
168	100		
139	38.8	31.4	47.0
169	15.3	10.9	16.3



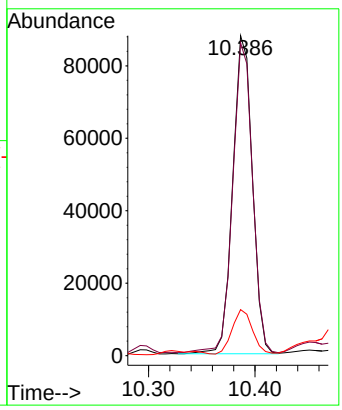


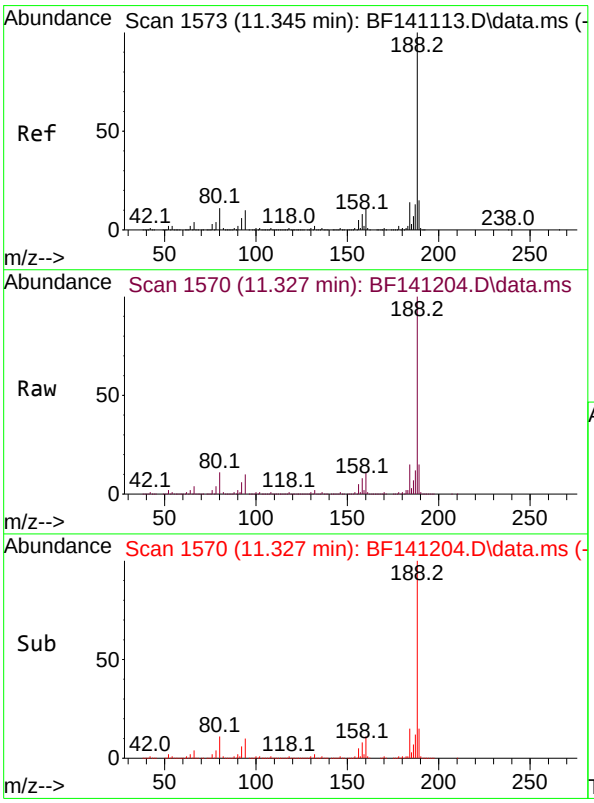
#58
Fluorene
Concen: 4.087 ng
RT: 10.386 min Scan# 14
Delta R.T. -0.024 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion:166 Resp: 112284

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.8	116.8
167	14.4	10.8	16.2

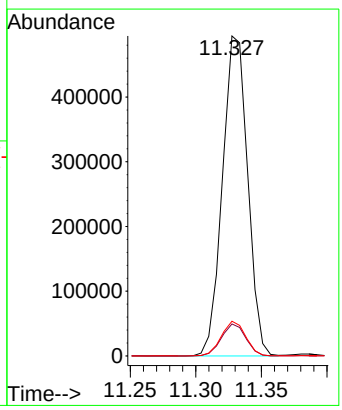


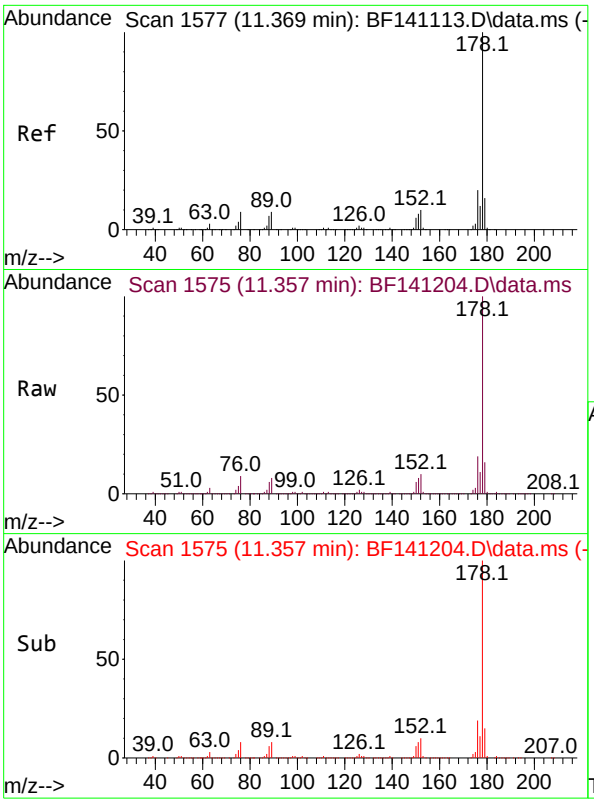


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:188 Resp: 661327

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.3	12.5
80	10.8	9.0	13.4



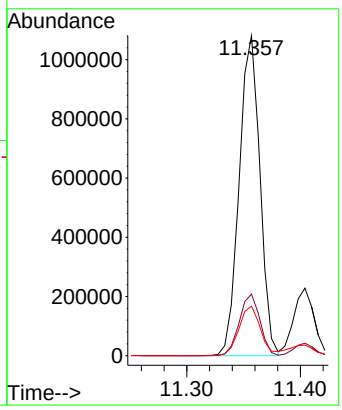


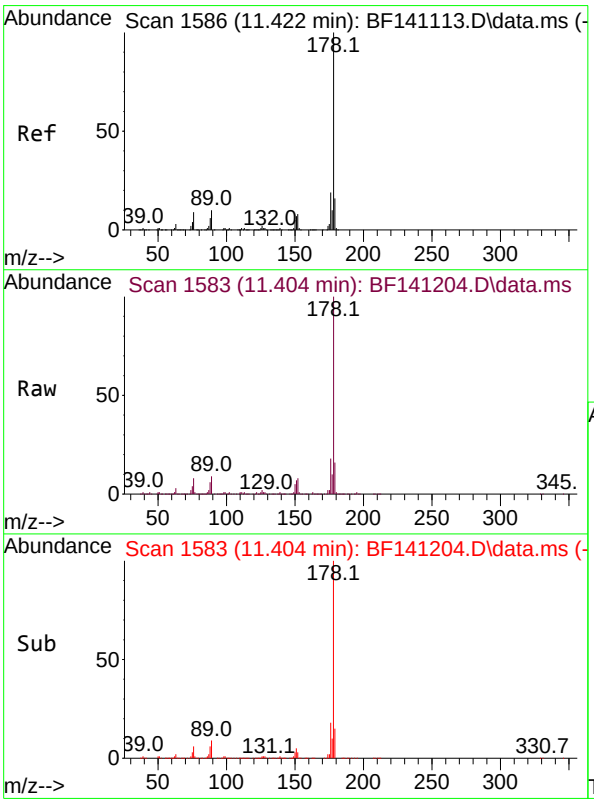
#71
Phenanthrene
Concen: 38.512 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion:178 Resp: 1367361

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.5	12.6	19.0

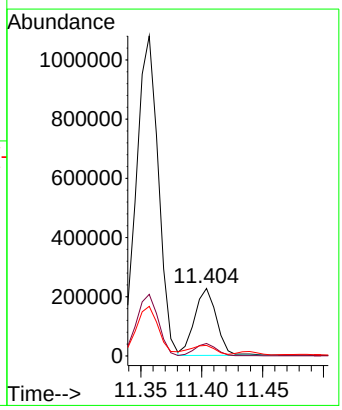


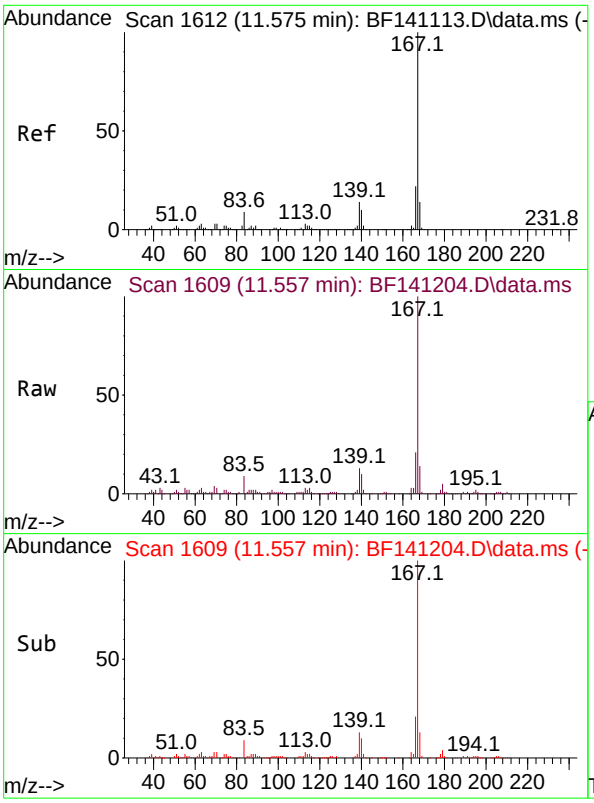


#72
Anthracene
Concen: 8.244 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:178 Resp: 284610

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.7	12.6	19.0



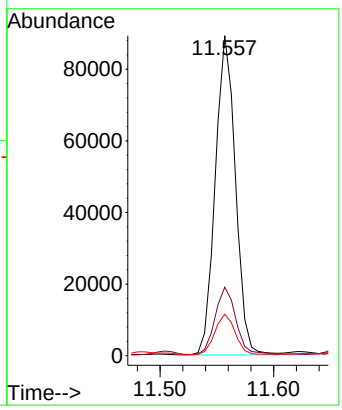


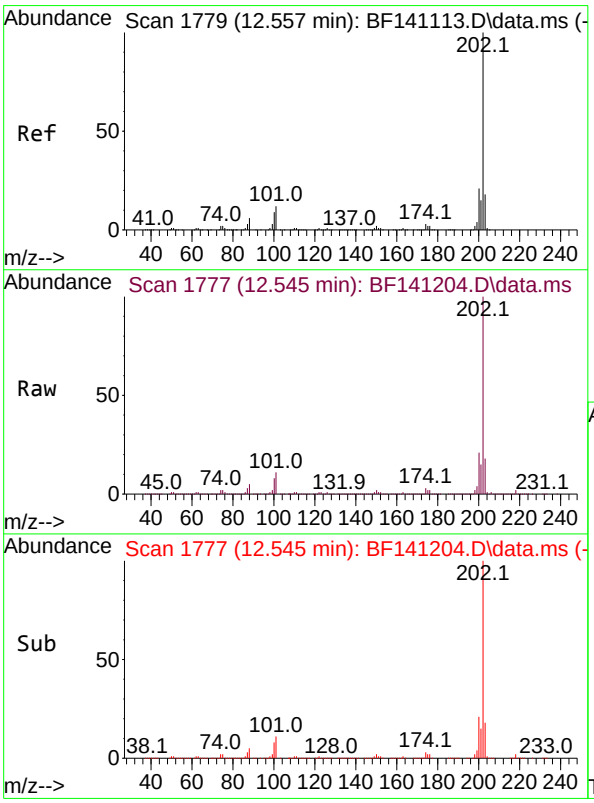
#73
Carbazole
Concen: 3.476 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion:167 Resp: 110049

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.4	26.2
139	13.0	10.9	16.3

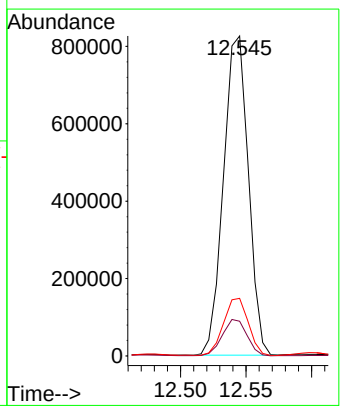


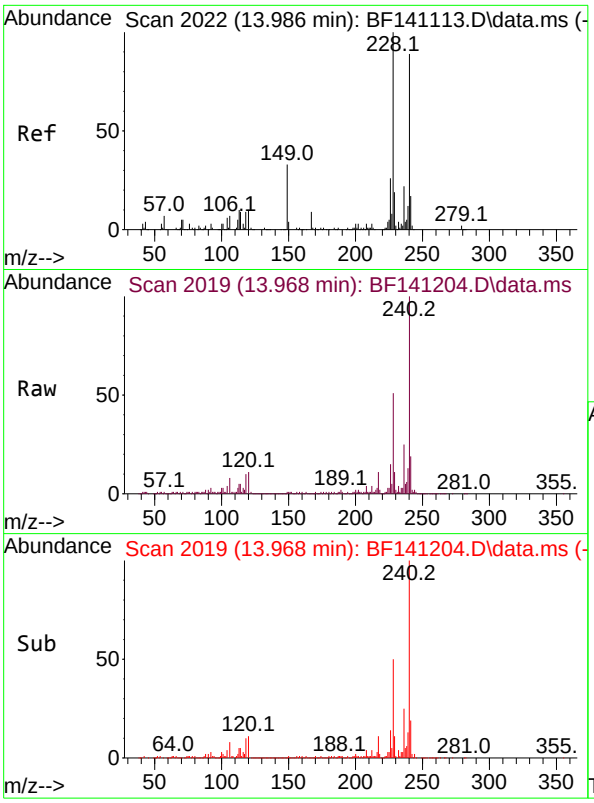


#75
Fluoranthene
Concen: 30.750 ng
RT: 12.545 min Scan# 1777
Delta R.T. -0.012 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:202 Resp: 1089479

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	32.3
203	18.0	0.0	37.7



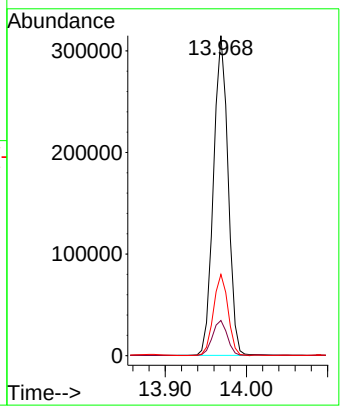


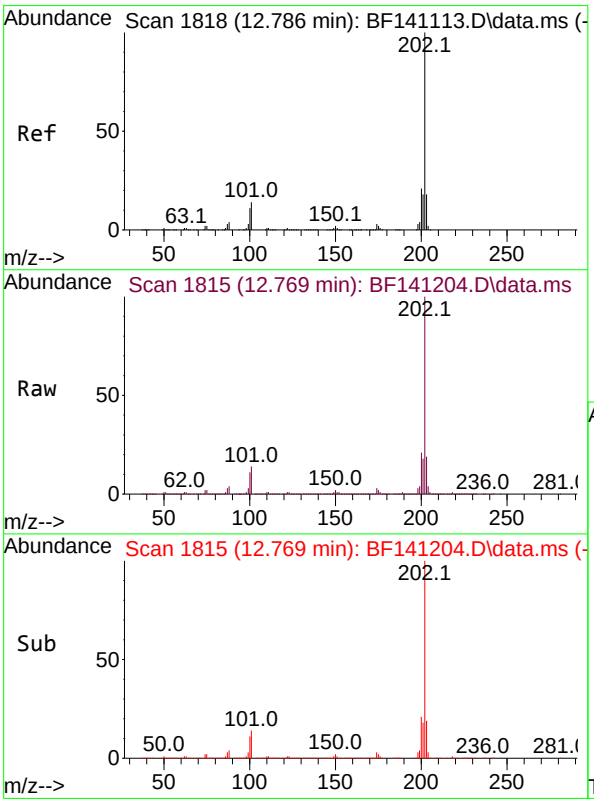
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2(
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion:240 Resp: 394222

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.1	13.7
236	25.4	19.8	29.6

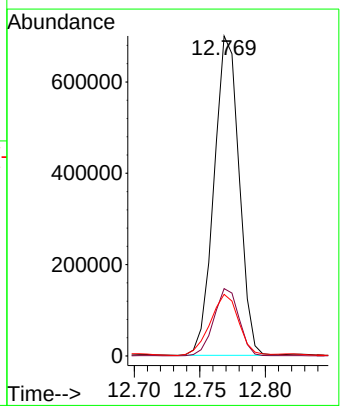


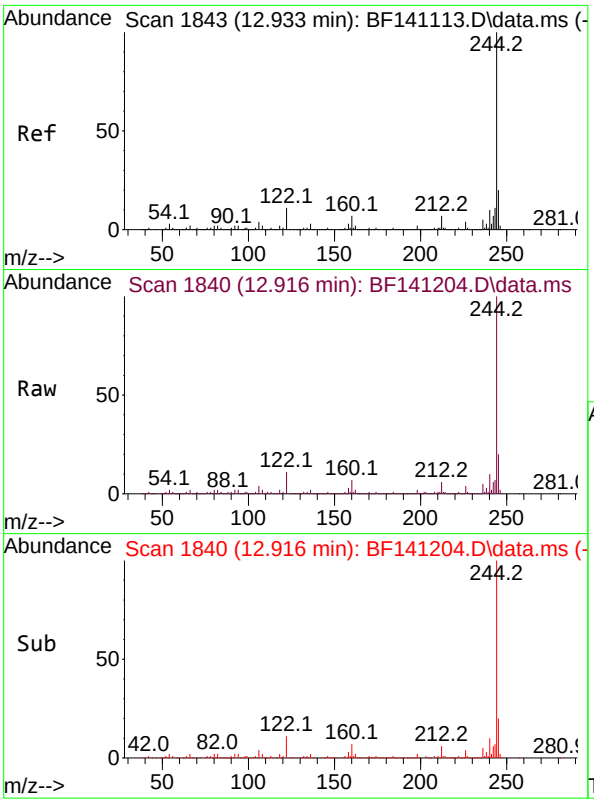


#78
Pyrene
Concen: 24.701 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:202 Resp: 930091

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	19.2	14.3	21.5



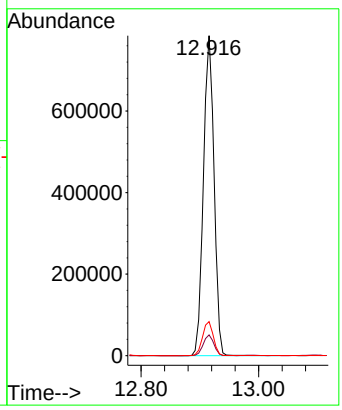


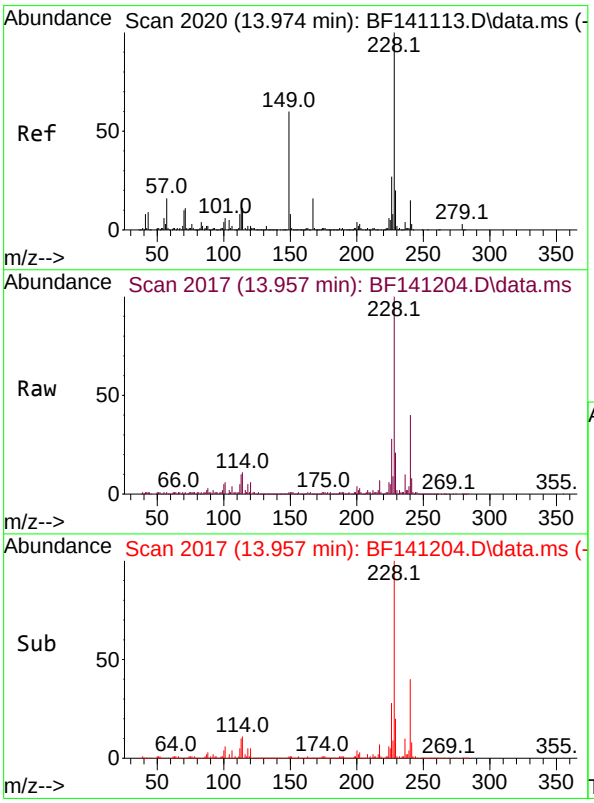
#79
Terphenyl-d14
Concen: 37.021 ng
RT: 12.916 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion:244 Resp: 981926

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	10.6	8.8	13.2

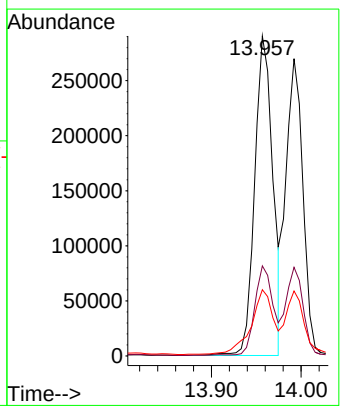


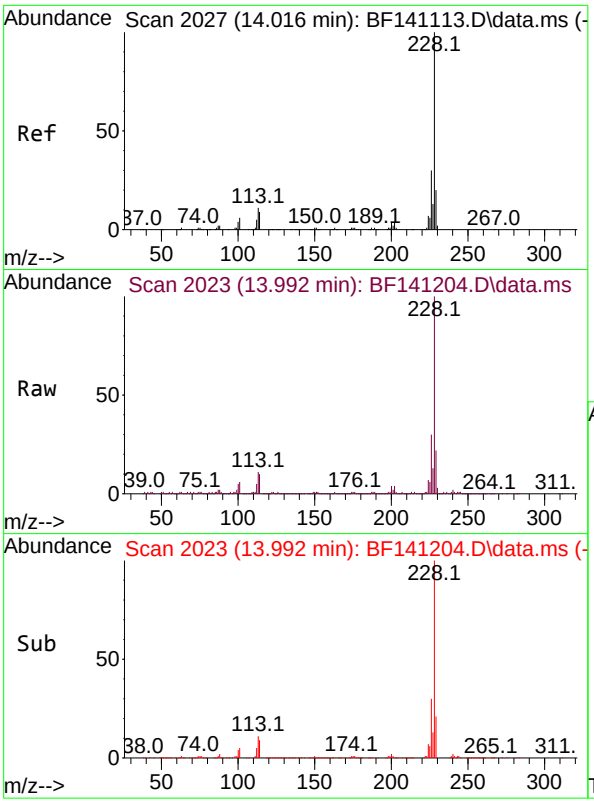


#81
Benzo(a)anthracene
Concen: 15.244 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:228 Resp: 408973

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.7	32.5
229	20.7	15.7	23.5



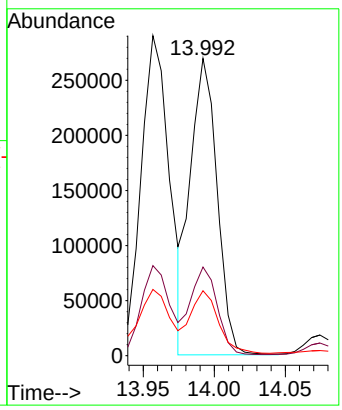


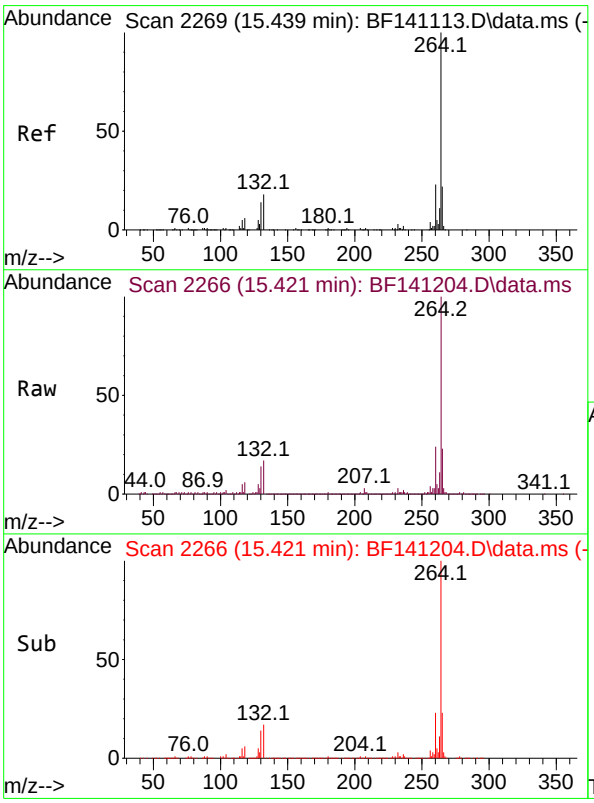
#83
Chrysene
Concen: 14.028 ng
RT: 13.992 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion:228 Resp: 352154

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	21.9	15.8	23.8

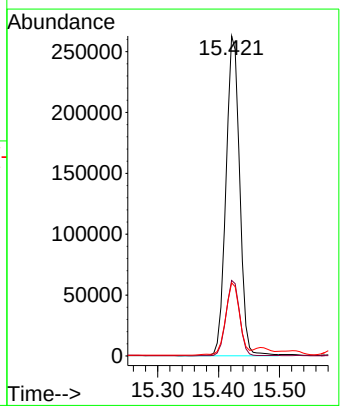


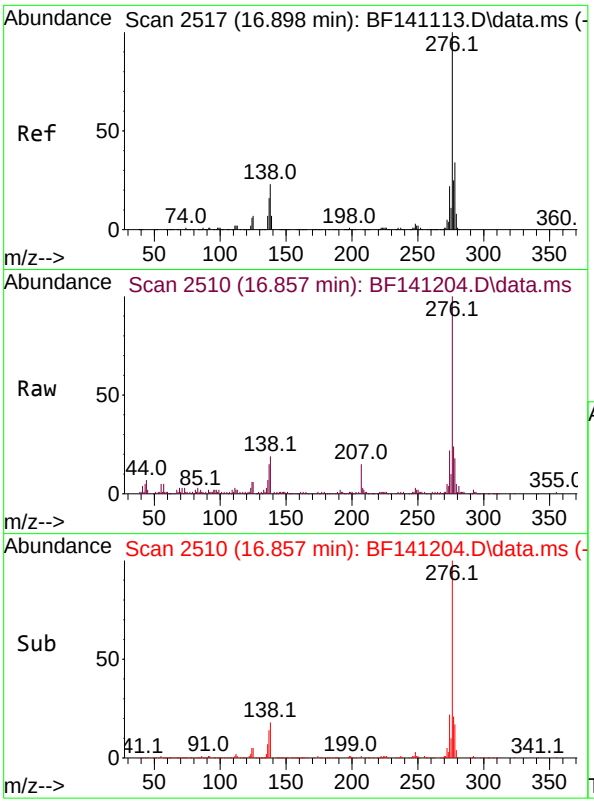


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:264 Resp: 409982

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	22.9	17.4	26.0



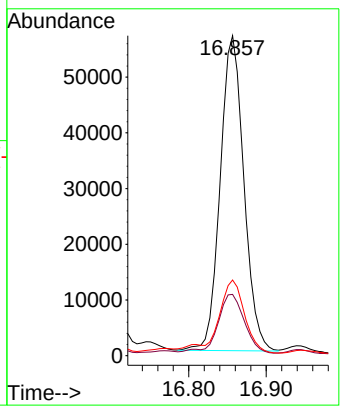


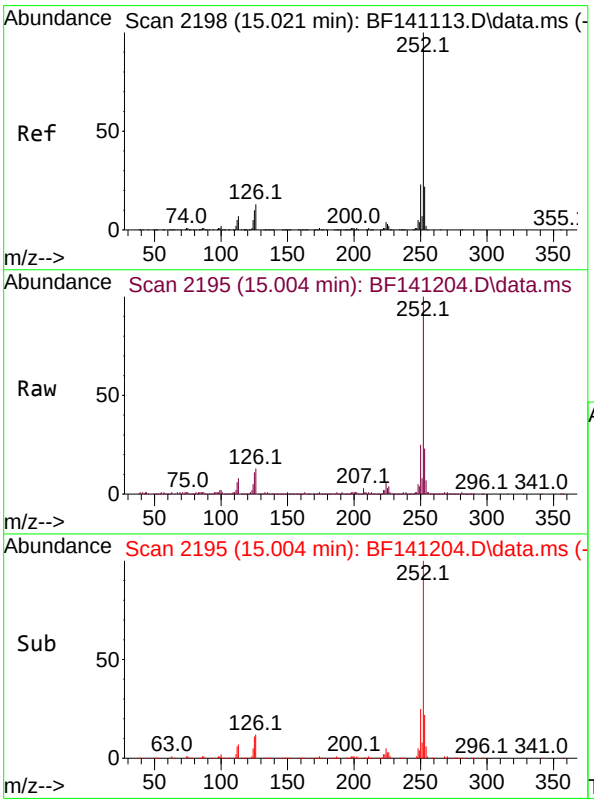
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.996 ng
RT: 16.857 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion:276 Resp: 120026

Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.7	31.1
277	27.0	20.6	30.8

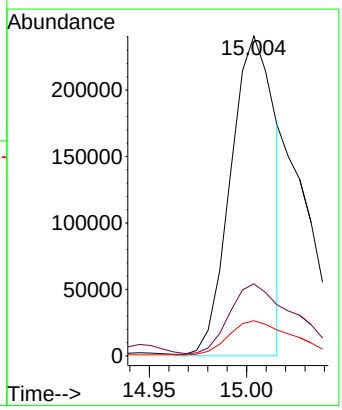


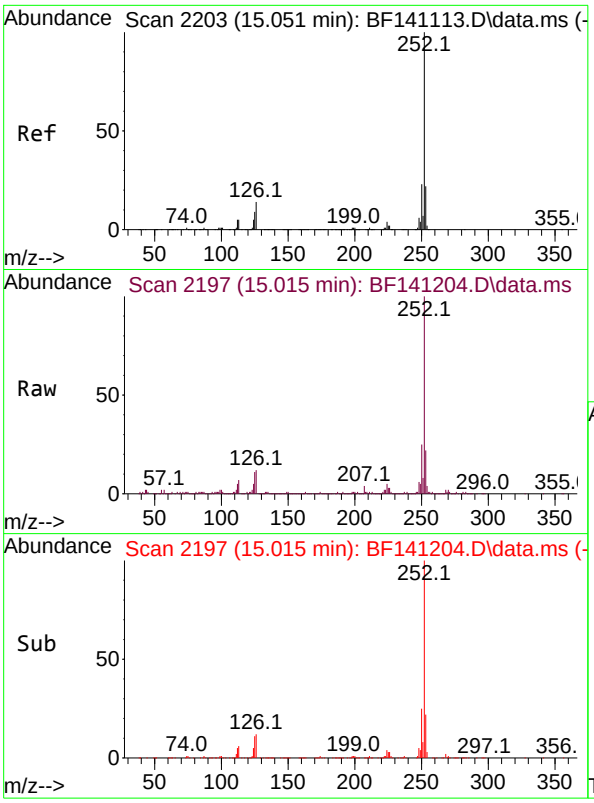


#88
Benzo(b)fluoranthene
Concen: 14.300 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:252 Resp: 378059

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	11.0	8.1	12.1



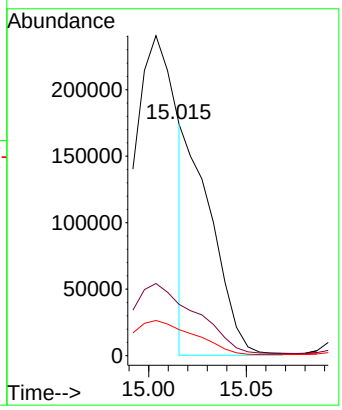


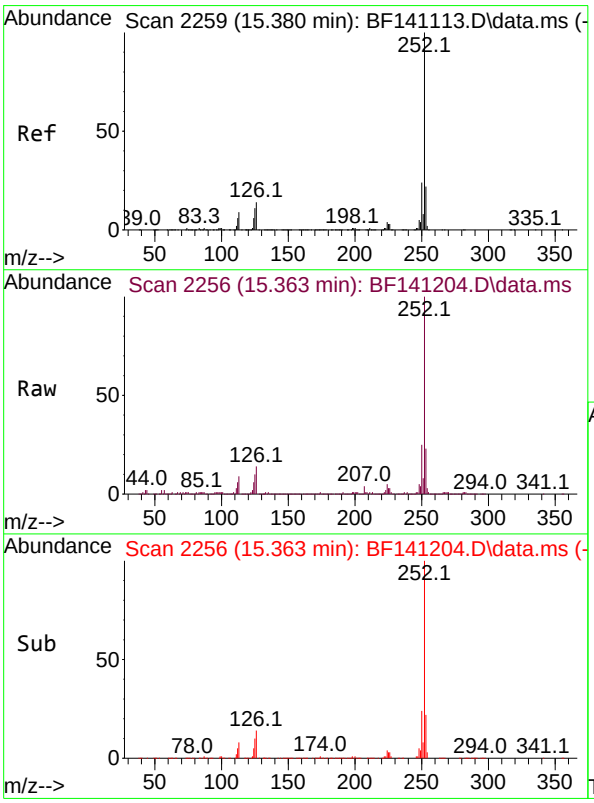
#89
Benzo(k)fluoranthene
Concen: 7.424 ng m
RT: 15.015 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion:252 Resp: 165854

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	11.2	7.9	11.9

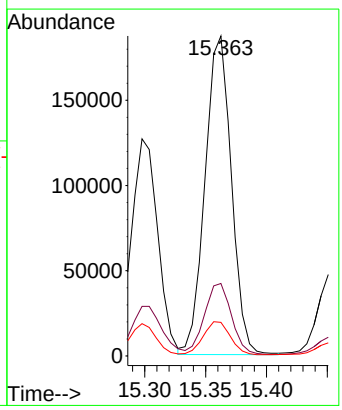


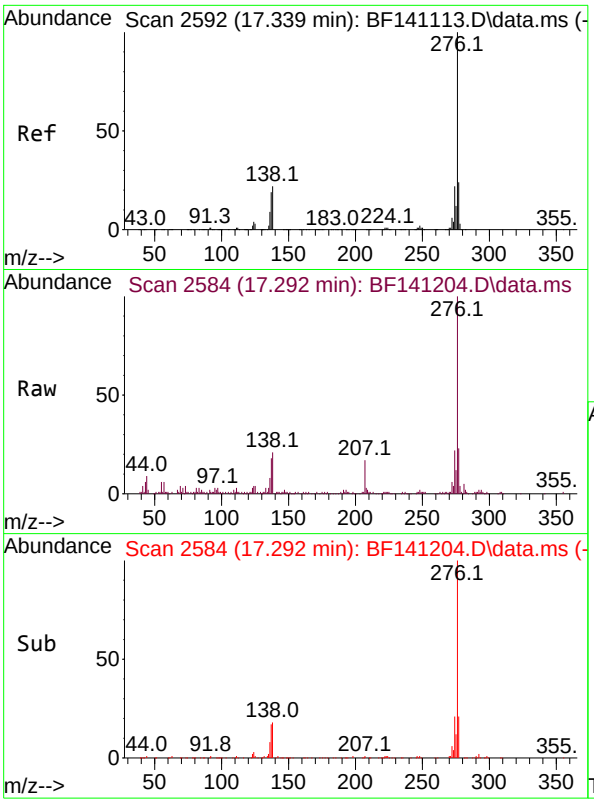


#90
Benzo(a)pyrene
Concen: 12.891 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:252 Resp: 281169

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	10.5	9.1	13.7





#92
Benzo(g,h,i)perylene
Concen: 4.194 ng
RT: 17.292 min Scan# 2
Delta R.T. -0.047 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion:276 Resp: 105987

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.0	28.4
138	20.6	17.4	26.2