Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012325\
Data File : BF141252.D
Acq On : 23 Jan 2025 16:15
Operator : RC/JU
Sample : Q1156-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
281

Quant Time: Jan 23 17:00:43 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	140845	20.000	ng	-0.02
21) Naphthalene-d8	8.086	136	560222	20.000	ng	-0.02
39) Acenaphthene-d10	9.839	164	302766	20.000	ng	-0.02
64) Phenanthrene-d10	11.327	188	503115	20.000	ng	-0.02
76) Chrysene-d12	13.980	240	309949	20.000	ng	0.00
86) Perylene-d12	15.451	264	349593	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1216205	133.395	ng	0.00
7) Phenol-d6	6.434	99	1543492	133.647	ng	-0.01
23) Nitrobenzene-d5	7.363	82	987724	93.459	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	521887	151.280	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1767241	89.133	ng	-0.02
79) Terphenyl-d14	12.921	244	1690444	81.062	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.351	178	100389	3.717	ng	99
72) Anthracene	11.404	178	64134	2.442	ng	98
75) Fluoranthene	12.551	202	1286966	47.747	ng	99
78) Pyrene	12.774	202	1185601	40.048	ng	97
81) Benzo(a)anthracene	13.968	228	492865	23.365	ng	98
83) Chrysene	14.004	228	423337	21.449	ng	99
87) Indeno(1,2,3-cd)pyrene	16.892	276	70939	2.770	ng	91
88) Benzo(b)fluoranthene	15.027	252	290310m	12.878	ng	
89) Benzo(k)fluoranthene	15.039	252	119243m	6.259	ng	
90) Benzo(a)pyrene	15.386	252	190417	10.238	ng	99
92) Benzo(g,h,i)perylene	17.327	276	60569	2.811	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012325\
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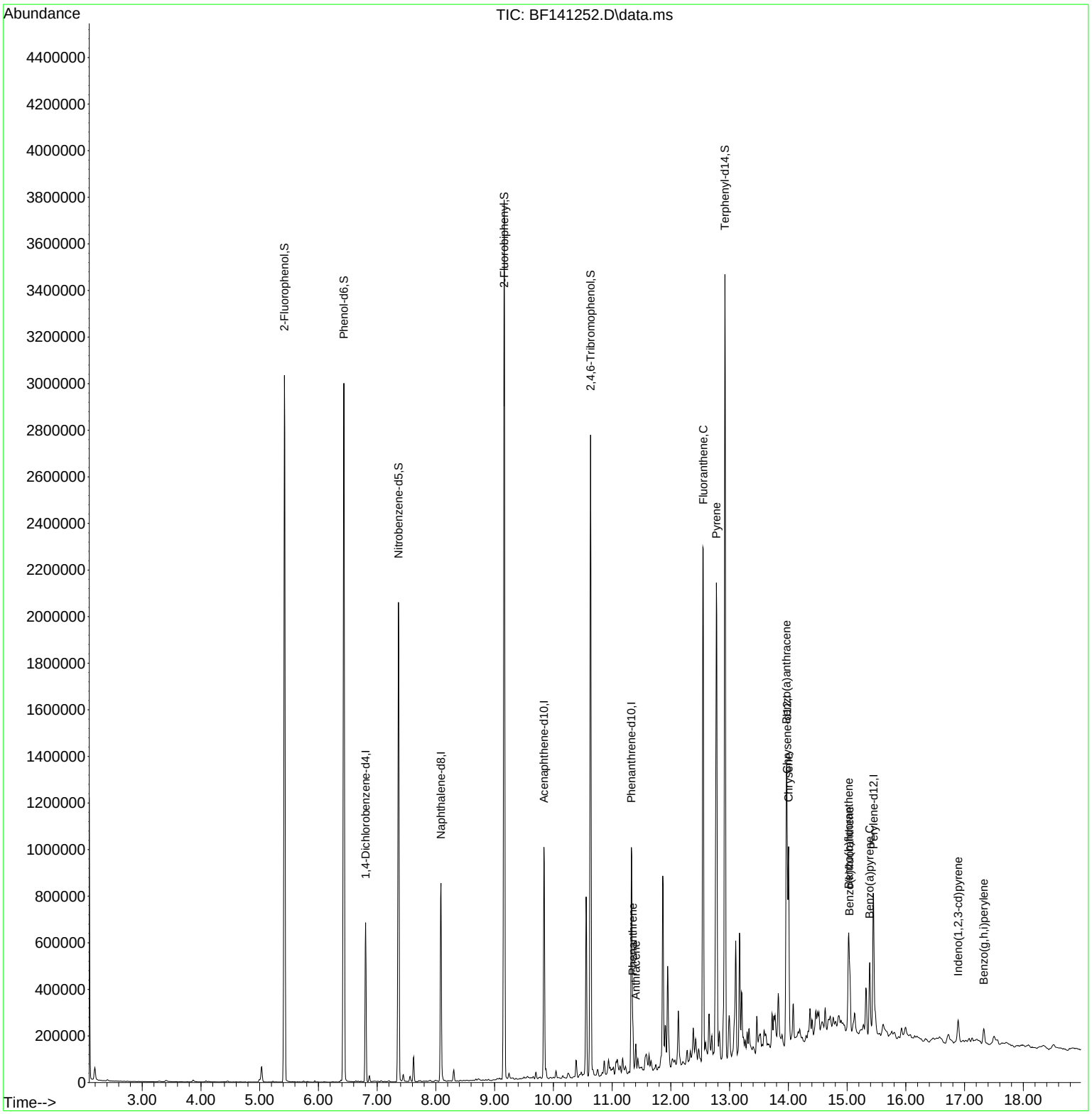
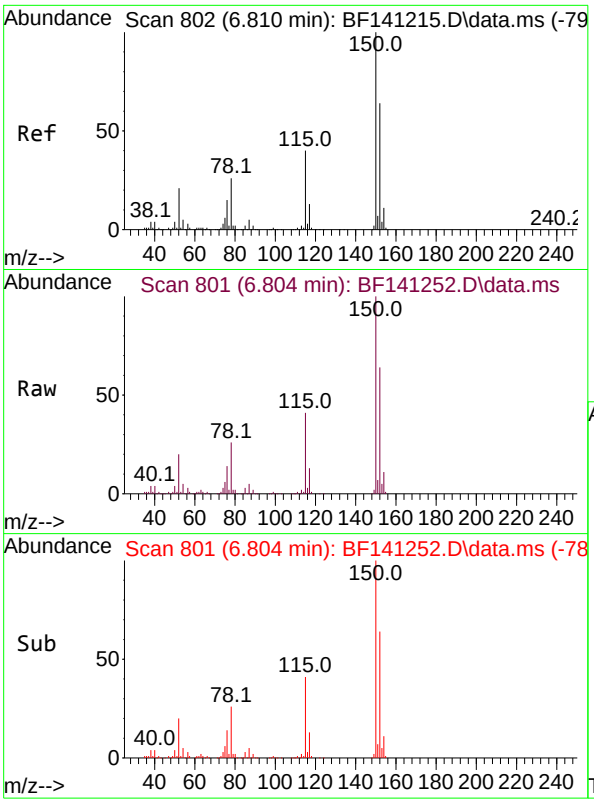
Quant Time: Jan 23 17:00:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



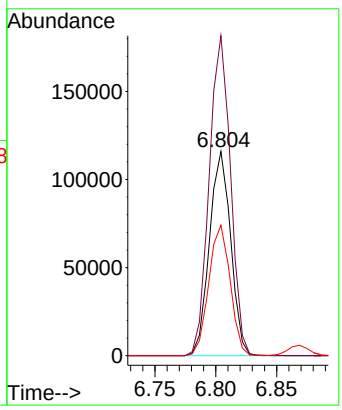


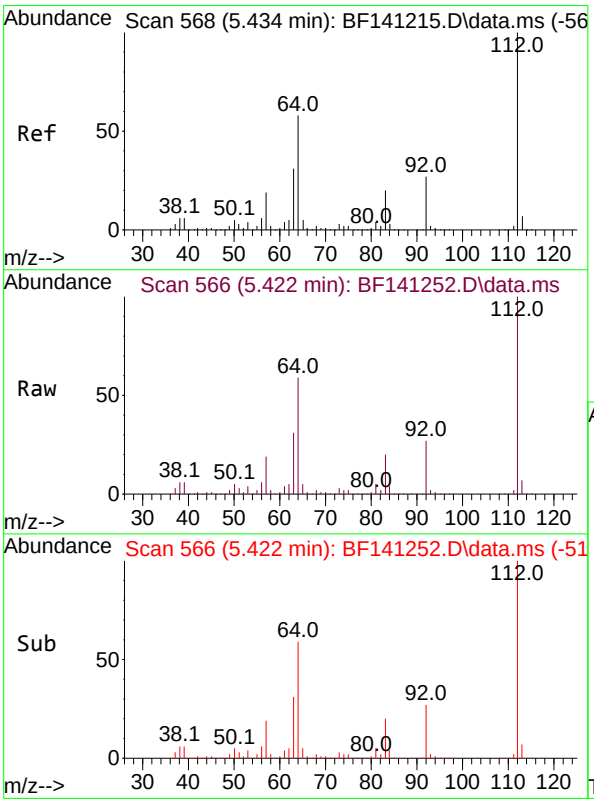
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Instrument :
BNA_F
ClientSampleId :
281

Tgt Ion:152 Resp: 140845

Ion	Ratio	Lower	Upper
152	100		
150	156.8	125.8	188.8
115	64.0	51.4	77.2

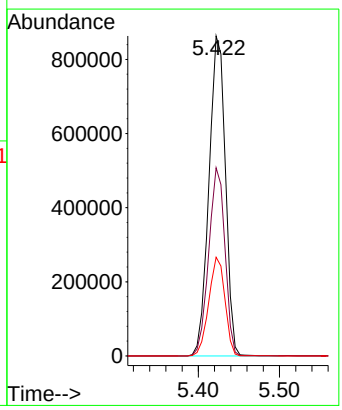


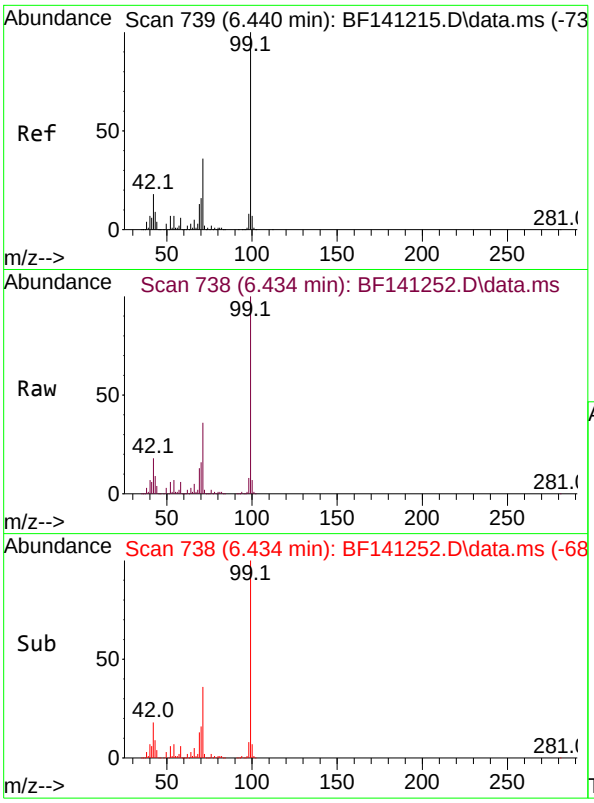


#5
2-Fluorophenol
Concen: 133.395 ng
RT: 5.422 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:112 Resp: 1216205

Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.3	70.9
63	30.9	24.2	36.2



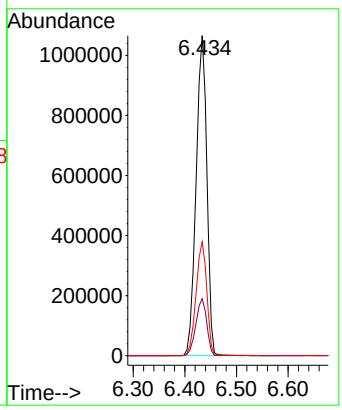


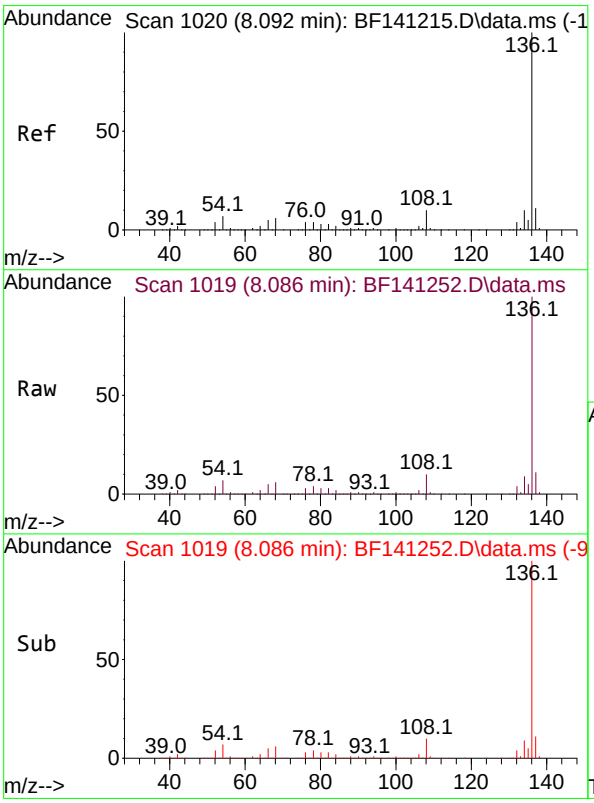
#7
Phenol-d6
Concen: 133.647 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Instrument :
BNA_F
ClientSampleId :
281

Tgt Ion: 99 Resp: 1543492

Ion	Ratio	Lower	Upper
99	100		
42	17.8	15.0	22.4
71	35.6	27.6	41.4

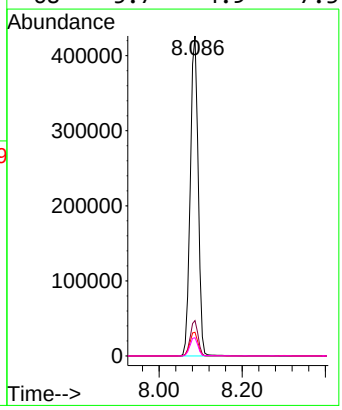


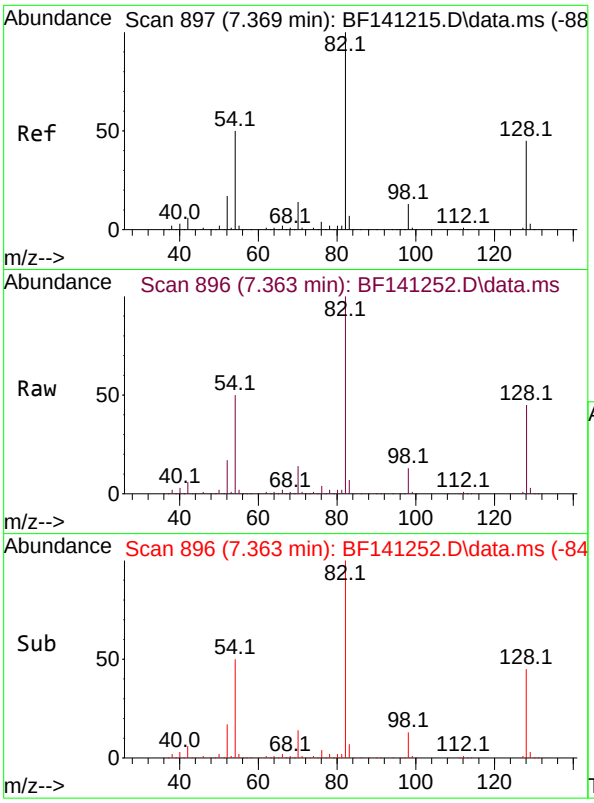


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:136 Resp: 560222

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.4	6.3	9.5
68	5.7	4.9	7.3



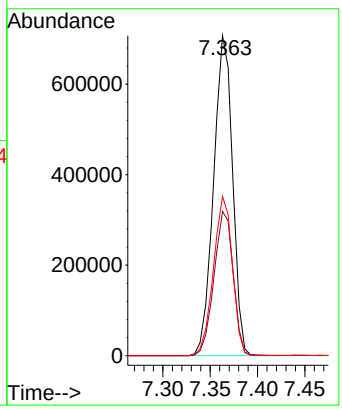


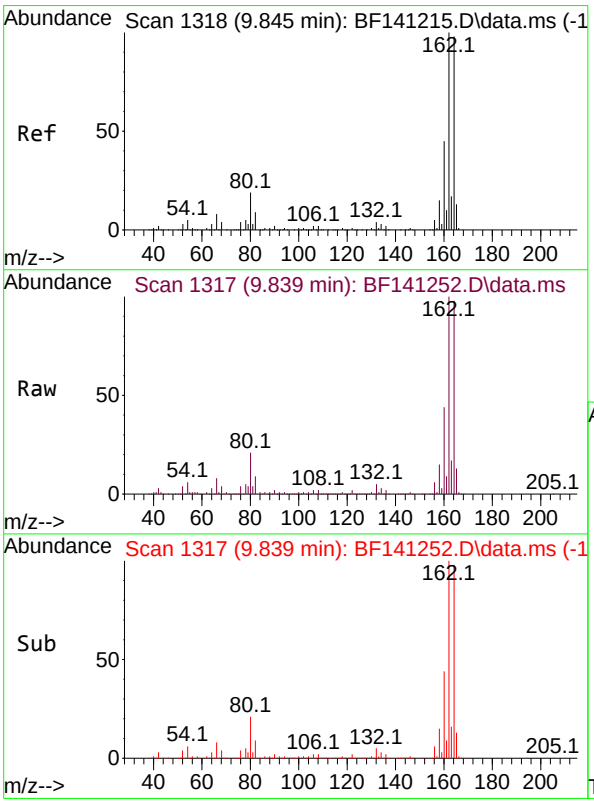
#23
Nitrobenzene-d5
Concen: 93.459 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Instrument :
BNA_F
ClientSampleId :
281

Tgt Ion: 82 Resp: 987724

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	49.7	41.0	61.4

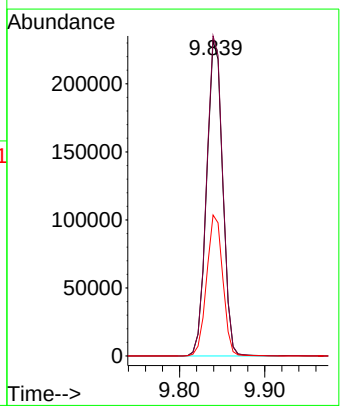


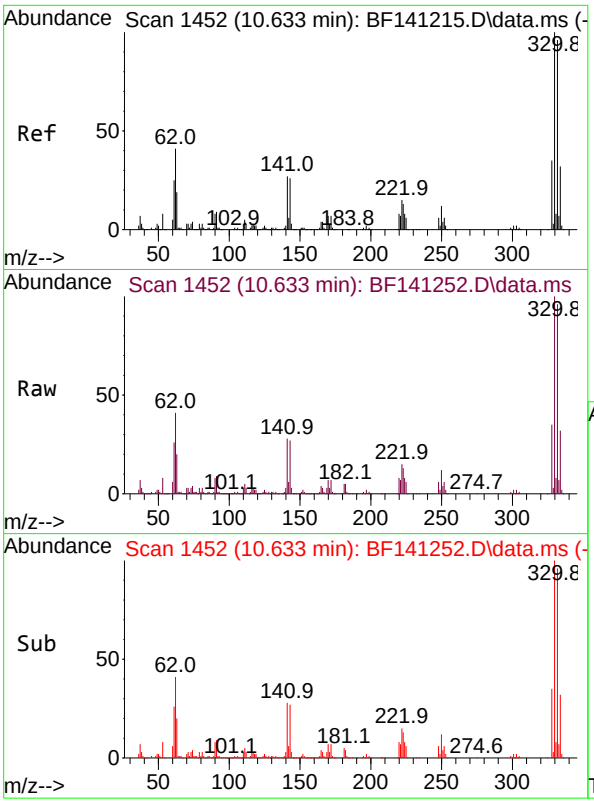


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.024 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:164 Resp: 302766

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.0	121.4
160	44.8	36.1	54.1



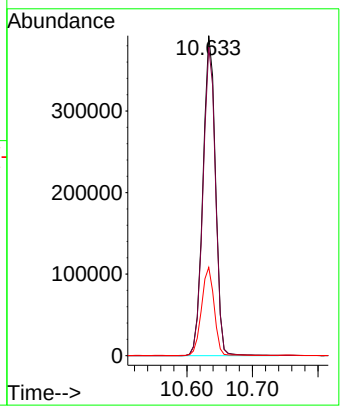


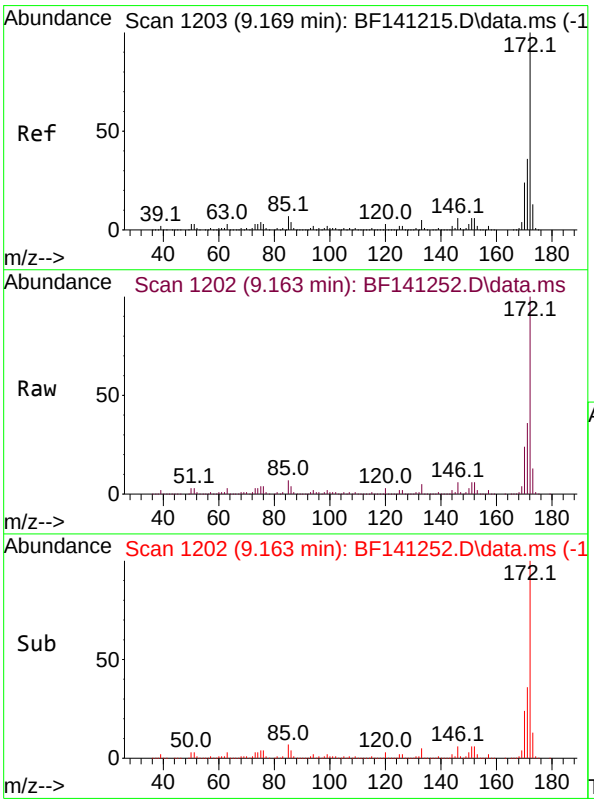
#42
2,4,6-Tribromophenol
Concen: 151.280 ng
RT: 10.633 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Instrument :
BNA_F
ClientSampleId :
281

Tgt Ion:330 Resp: 521887

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.9	115.3
141	27.8	25.2	37.8

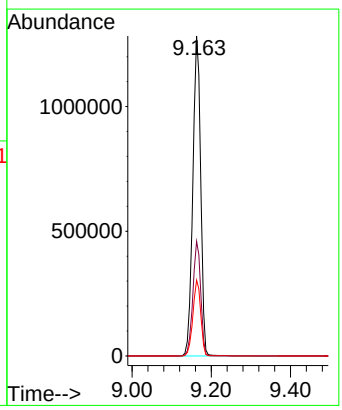


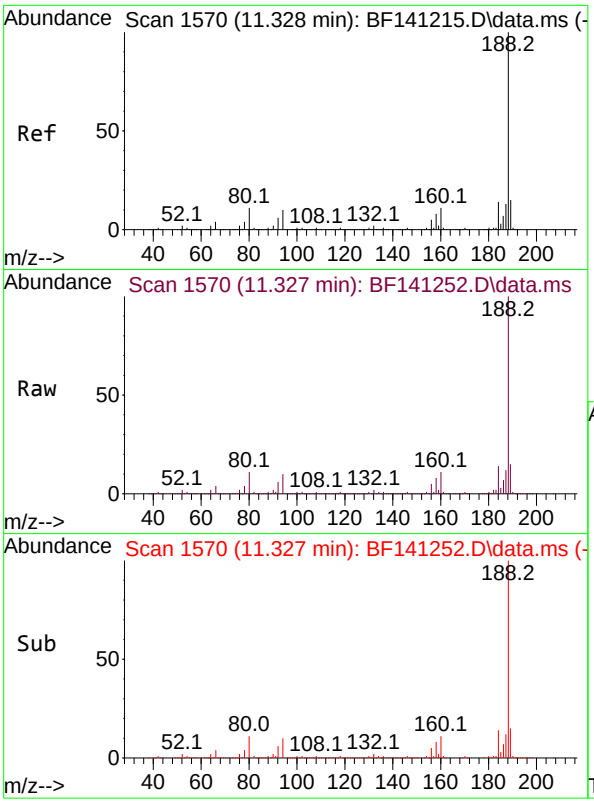


#45
2-Fluorobiphenyl
Concen: 89.133 ng
RT: 9.163 min Scan# 1202
Delta R.T. -0.018 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:172 Resp: 1767241

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.7	43.1
170	23.7	19.0	28.6



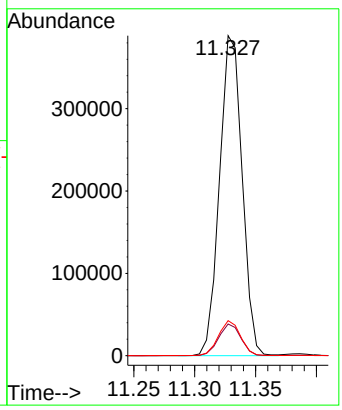


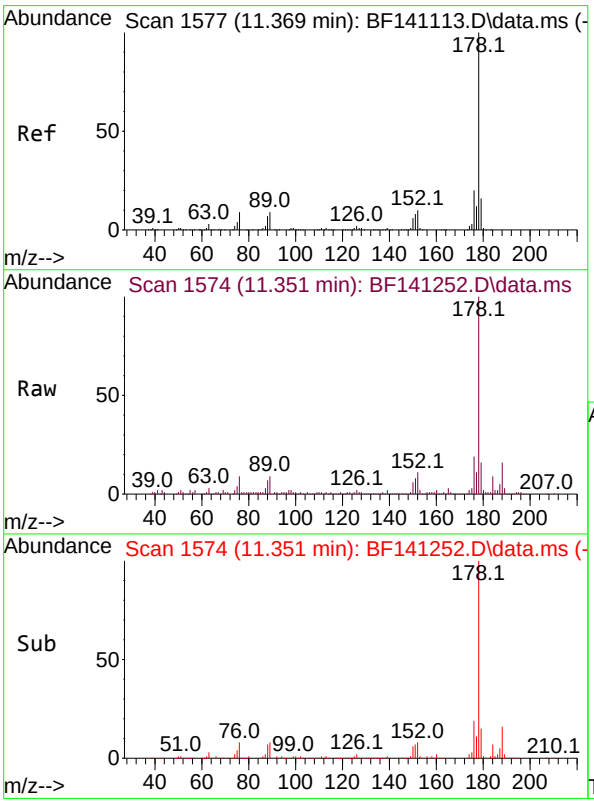
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Instrument :
BNA_F
ClientSampleId :
281

Tgt Ion:188 Resp: 503115

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.3	12.5
80	10.9	9.0	13.4

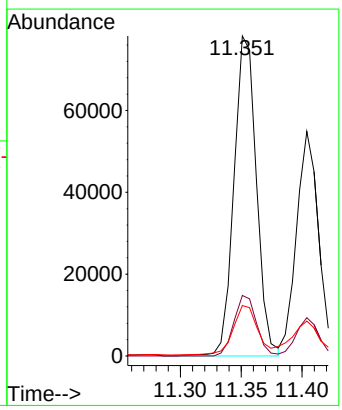


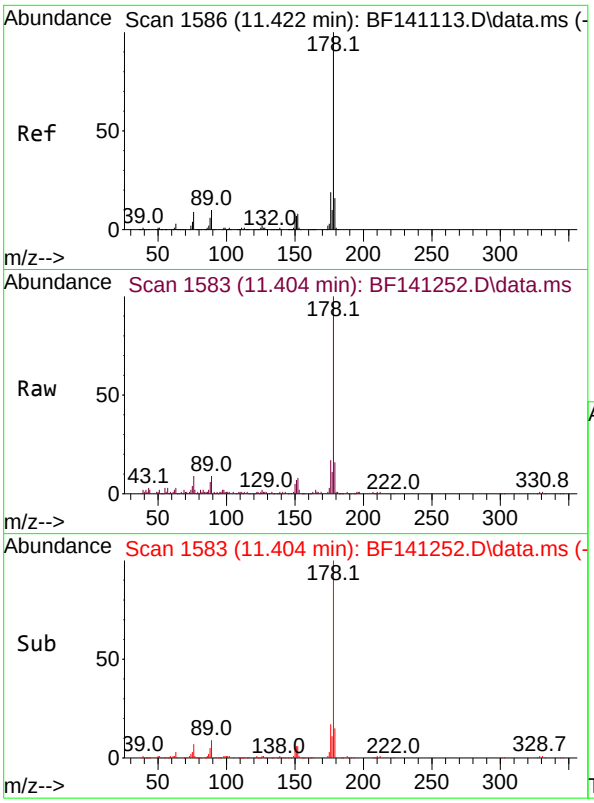


#71
Phenanthrene
Concen: 3.717 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.018 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:178 Resp: 100389

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.7	23.5
179	15.8	12.6	19.0



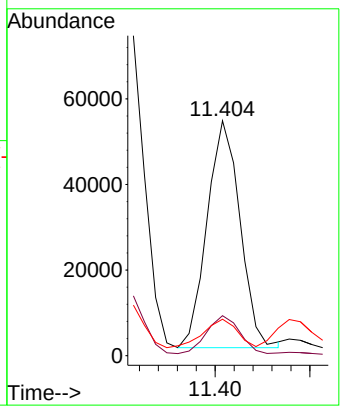


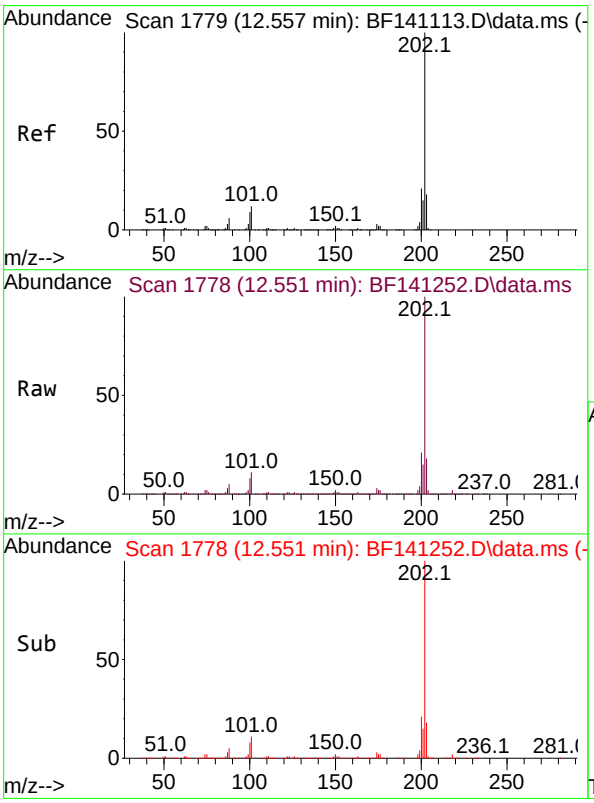
#72
Anthracene
Concen: 2.442 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Instrument :
BNA_F
ClientSampleId :
281

Tgt Ion:178 Resp: 64134

Ion	Ratio	Lower	Upper
178	100		
176	17.0	14.9	22.3
179	15.5	12.6	19.0

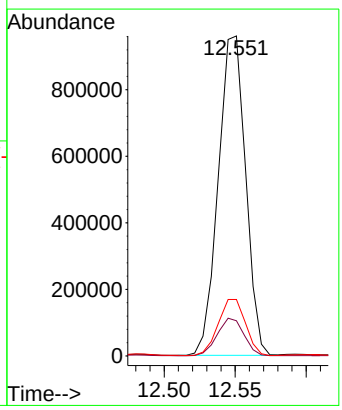


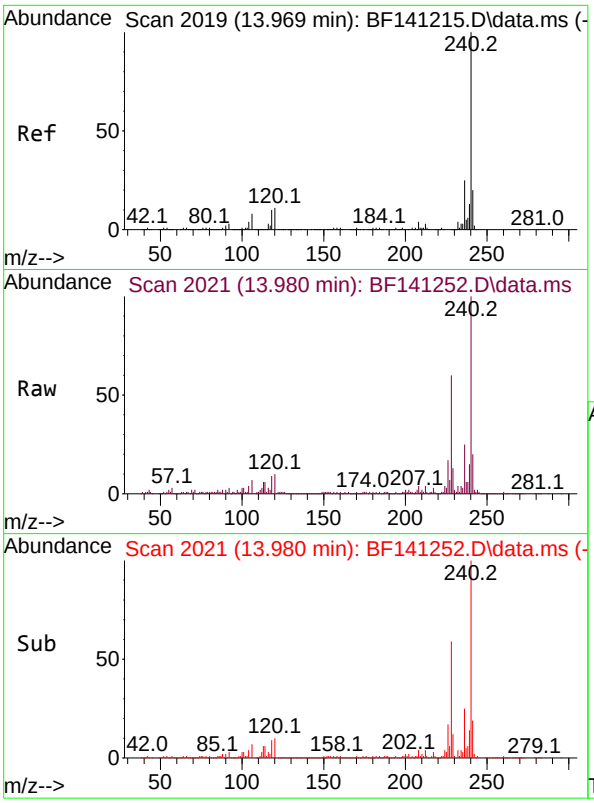


#75
Fluoranthene
Concen: 47.747 ng
RT: 12.551 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:202 Resp: 1286966

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	32.3
203	17.7	0.0	37.7



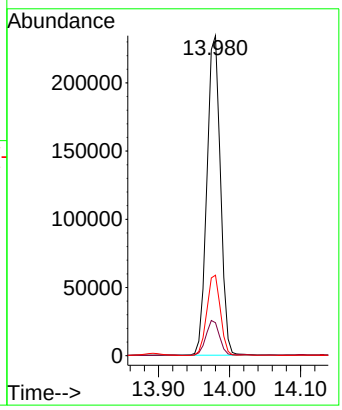


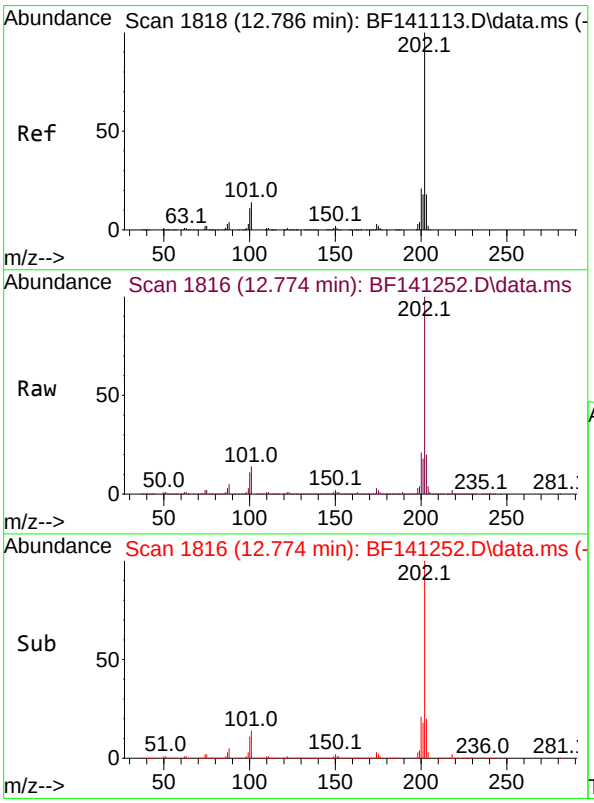
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Instrument :
BNA_F
ClientSampleId :
281

Tgt Ion:240 Resp: 309949

Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.1	13.7
236	25.2	19.8	29.6

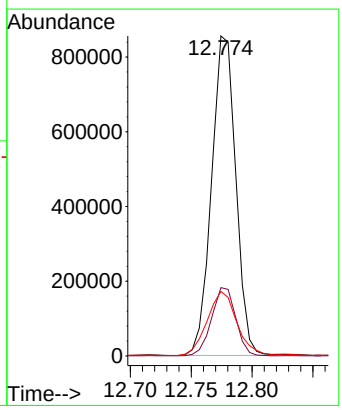


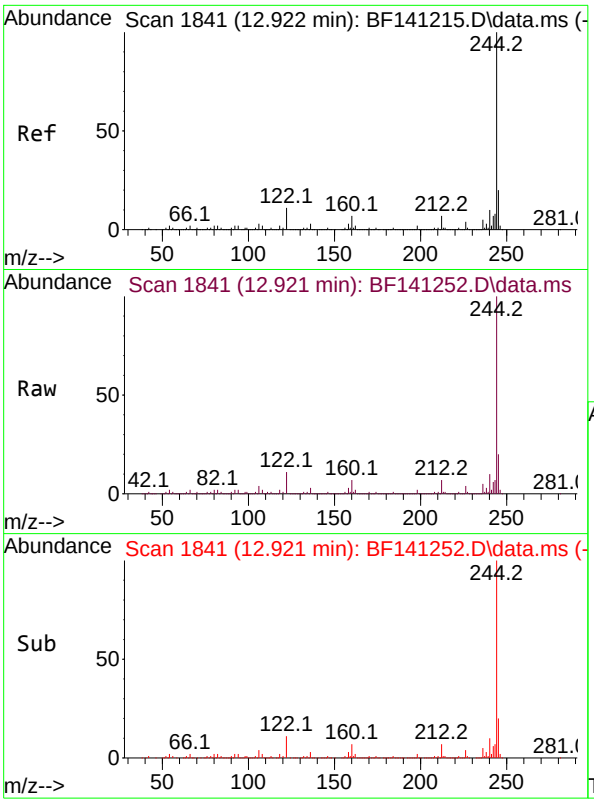


#78
Pyrene
Concen: 40.048 ng
RT: 12.774 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:202 Resp: 1185601

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	20.1	14.3	21.5



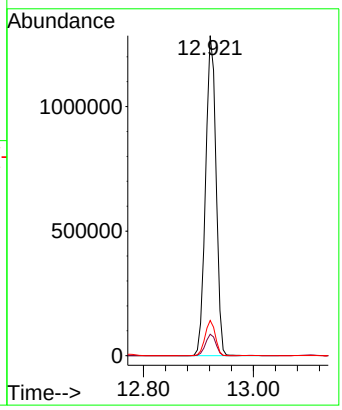


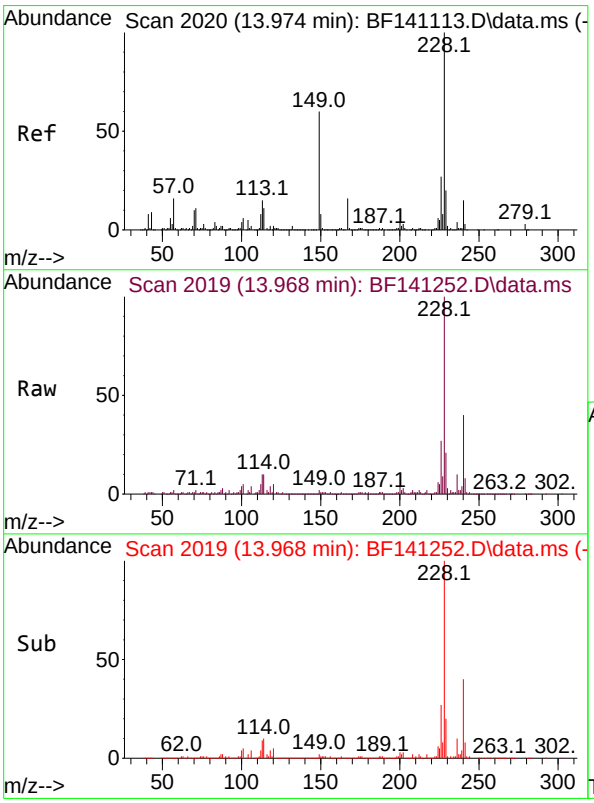
#79
Terphenyl-d14
Concen: 81.062 ng
RT: 12.921 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Instrument :
BNA_F
ClientSampleId :
281

Tgt Ion:244 Resp: 1690444

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	11.0	8.8	13.2

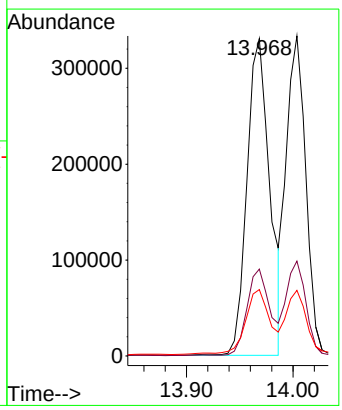


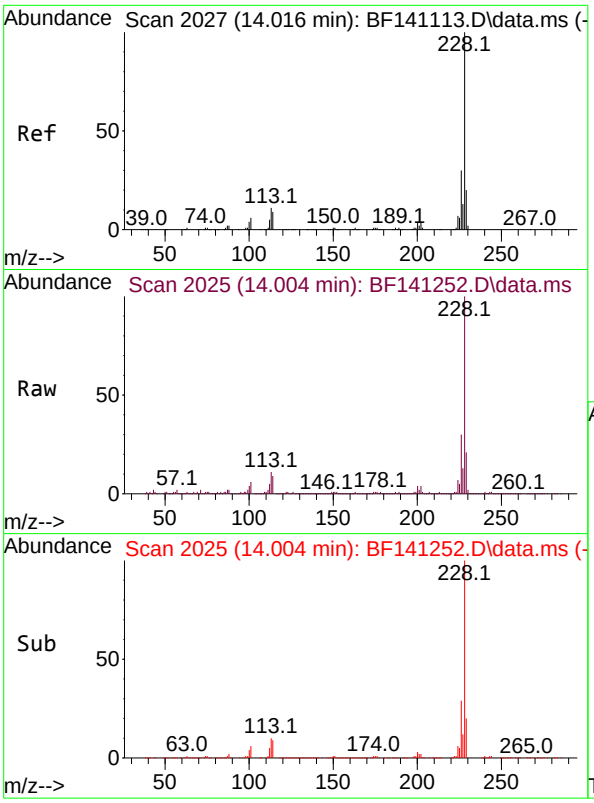


#81
Benzo(a)anthracene
Concen: 23.365 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:228 Resp: 492865

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.7	32.5
229	20.9	15.7	23.5



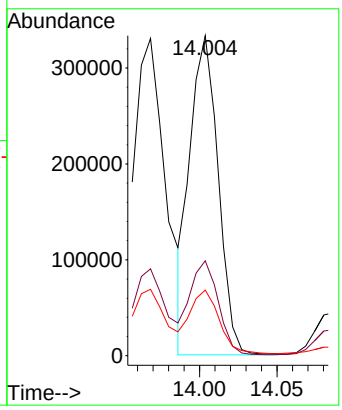


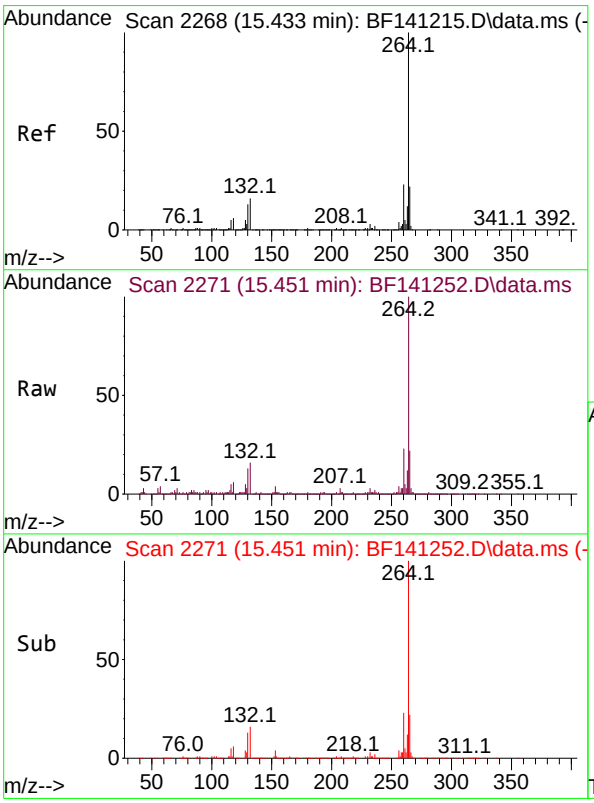
#83
Chrysene
Concen: 21.449 ng
RT: 14.004 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Instrument :
BNA_F
ClientSampleId :
281

Tgt Ion:228 Resp: 423337

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.8
229	20.5	15.8	23.8

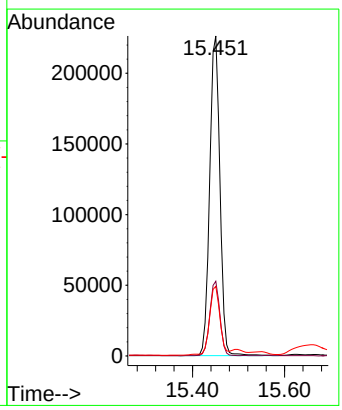


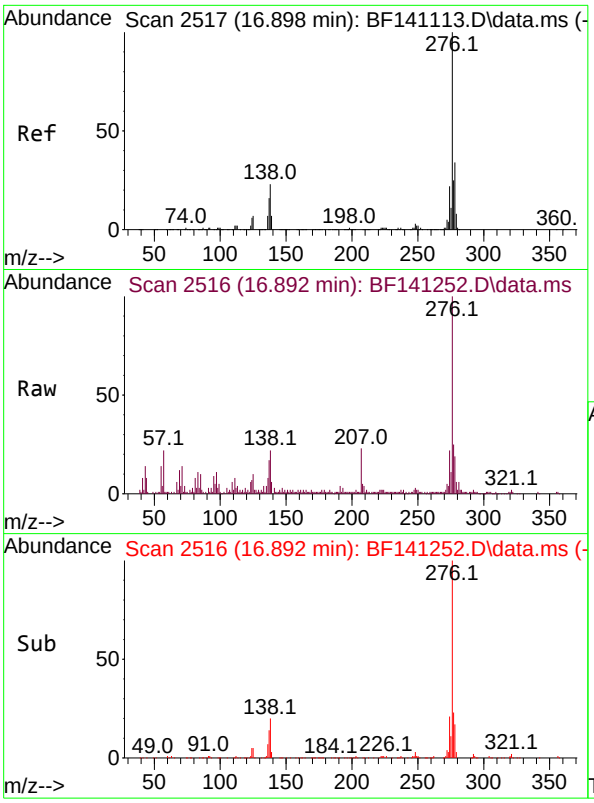


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:264 Resp: 349593

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.7	17.4	26.0



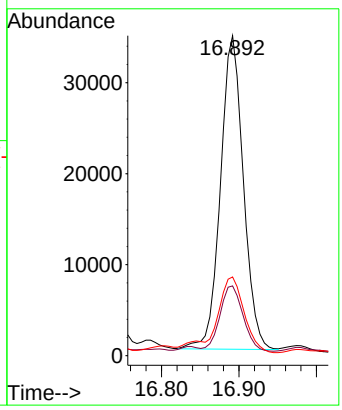


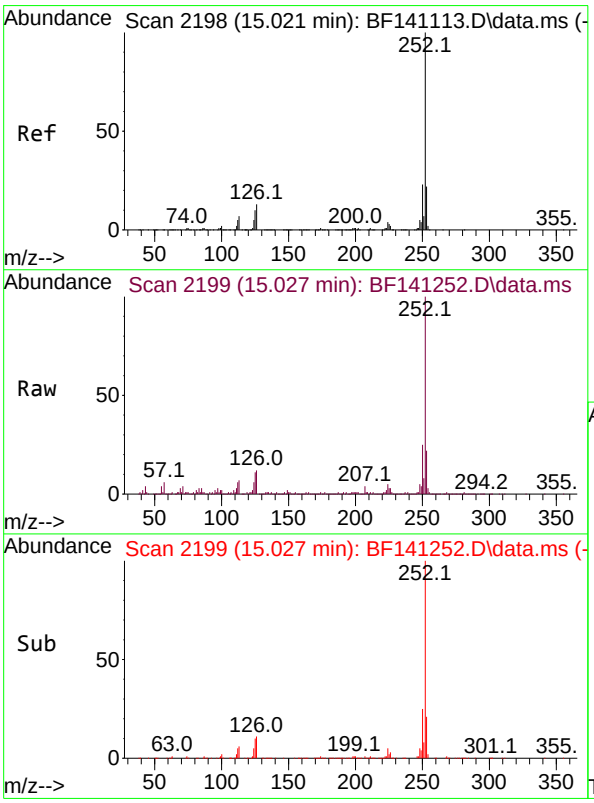
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.770 ng
RT: 16.892 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Instrument :
BNA_F
ClientSampleId :
281

Tgt Ion:276 Resp: 70939

Ion	Ratio	Lower	Upper
276	100		
138	21.0	20.7	31.1
277	29.9	20.6	30.8

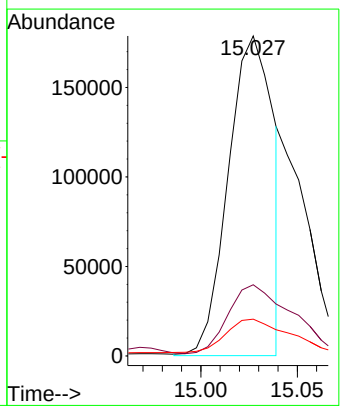


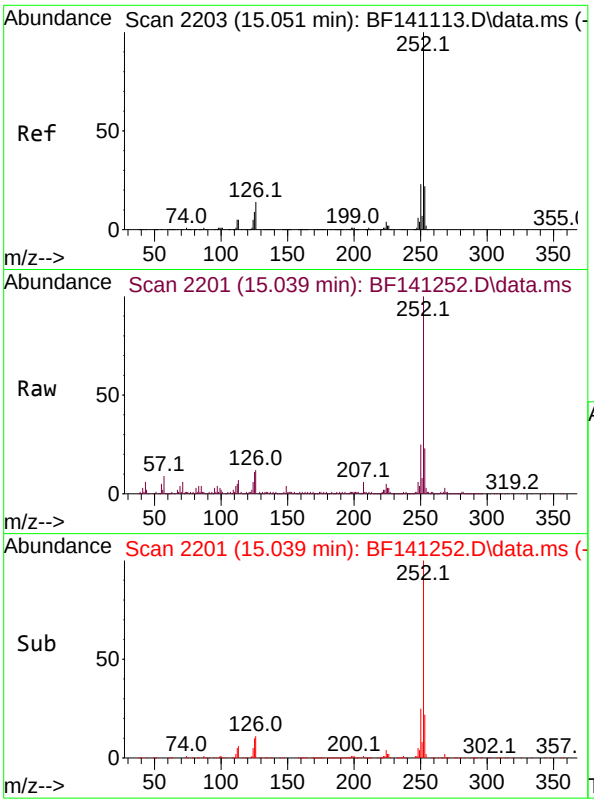


#88
Benzo(b)fluoranthene
Concen: 12.878 ng m
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:252 Resp: 290310

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.5	8.1	12.1



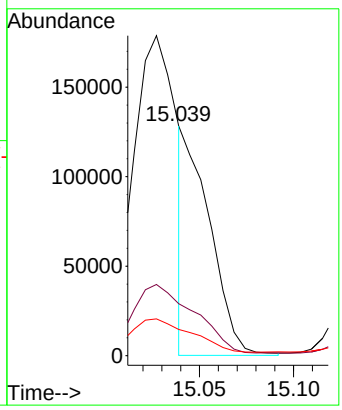


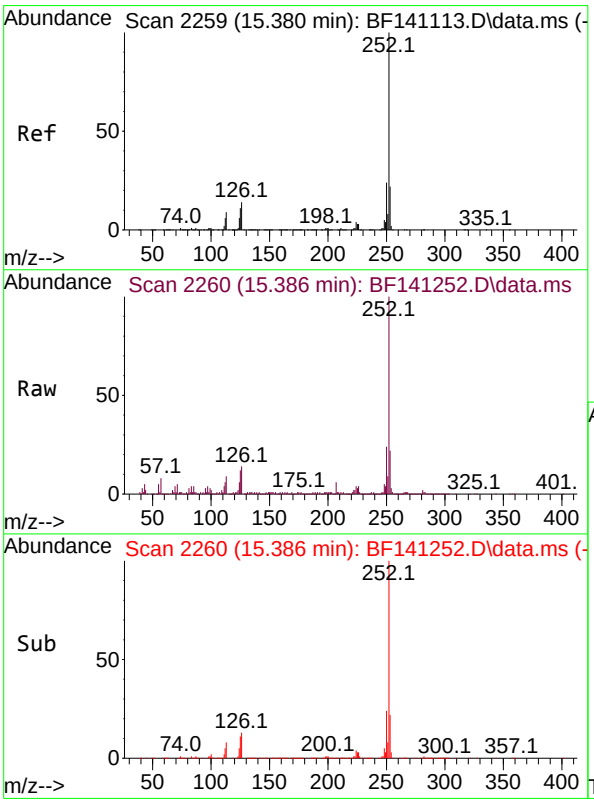
#89
Benzo(k)fluoranthene
Concen: 6.259 ng m
RT: 15.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Instrument :
BNA_F
ClientSampleId :
281

Tgt Ion:252 Resp: 119243

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	11.5	7.9	11.9

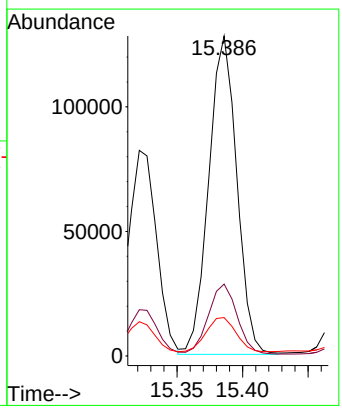


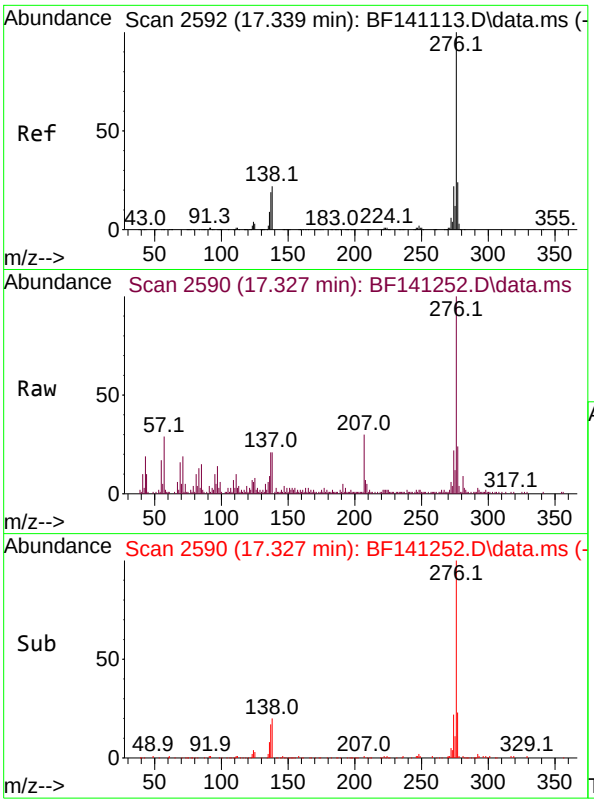


#90
Benzo(a)pyrene
Concen: 10.238 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Tgt Ion:252 Resp: 190417

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	12.0	9.1	13.7





#92
Benzo(g,h,i)perylene
Concen: 2.811 ng
RT: 17.327 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141252.D
Acq: 23 Jan 2025 16:15

Instrument :
BNA_F
ClientSampleId :
281

Tgt Ion:276 Resp: 60569

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	20.9	17.4	26.2