Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142497.D
Acq On : 21 May 2025 20:03
Operator : RC/JU
Sample : Q2074-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-12

Quant Time: May 22 01:02:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

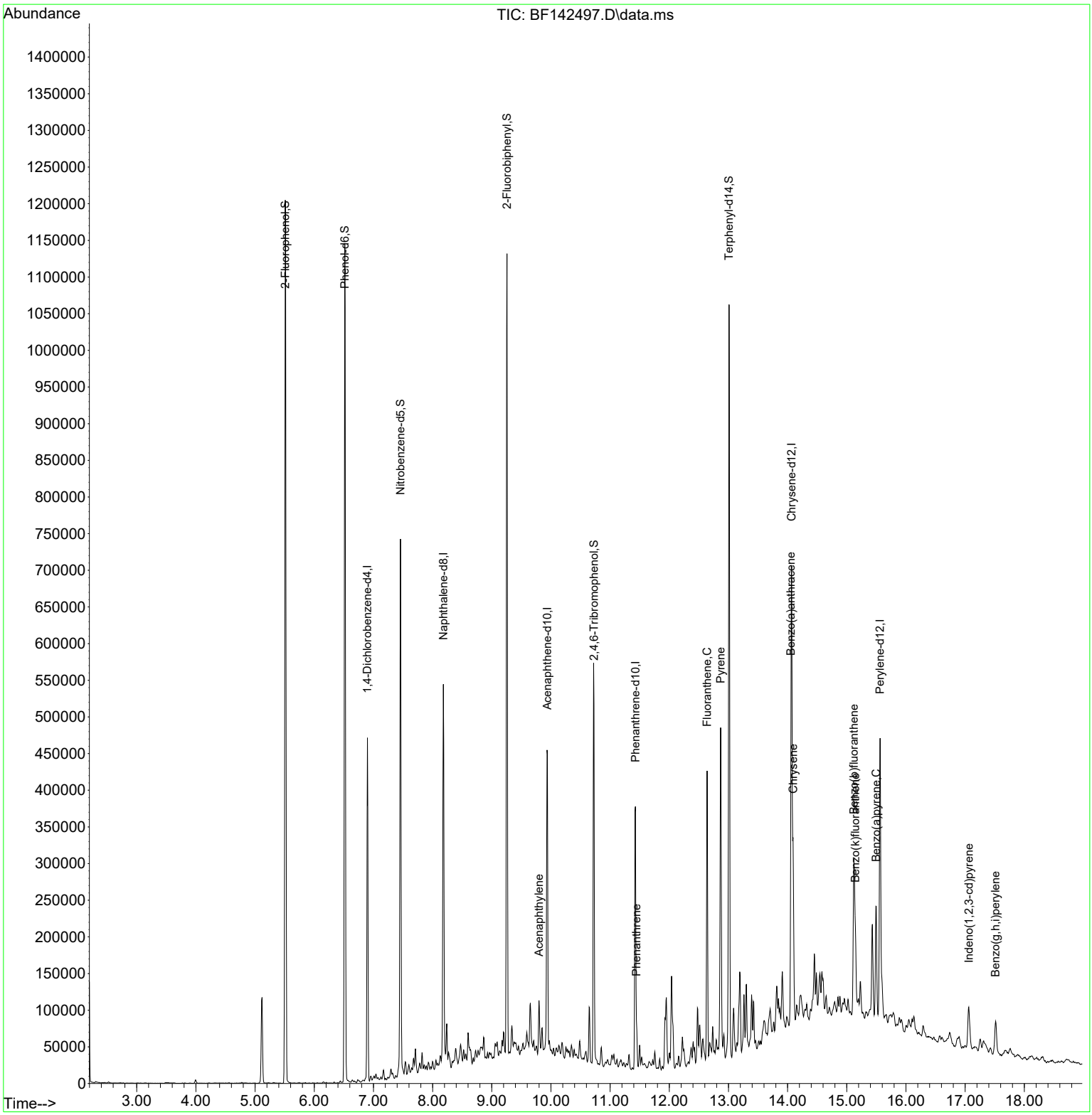
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	97395	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	321844	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	125382	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	190005	20.000	ng	0.00
76) Chrysene-d12	14.069	240	238862	20.000	ng	0.00
86) Perylene-d12	15.563	264	223453	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	462922	80.077	ng	0.00
7) Phenol-d6	6.516	99	530067	76.171	ng	-0.02
23) Nitrobenzene-d5	7.457	82	304142	51.530	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	92141	66.213	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	482404	51.628	ng	-0.01
79) Terphenyl-d14	13.010	244	487109	27.868	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.798	152	35247	2.904	ng	99
71) Phenanthrene	11.445	178	28594	2.816	ng	98
75) Fluoranthene	12.639	202	216327	22.800	ng	99
78) Pyrene	12.869	202	255707	11.476	ng	99
81) Benzo(a)anthracene	14.057	228	126106m	7.906	ng	
83) Chrysene	14.092	228	128789	8.986	ng	97
87) Indeno(1,2,3-cd)pyrene	17.062	276	41175	2.454	ng	96
88) Benzo(b)fluoranthene	15.121	252	163558m	12.367	ng	
89) Benzo(k)fluoranthene	15.145	252	28224m	2.279	ng	
90) Benzo(a)pyrene	15.498	252	95905	7.693	ng	97
92) Benzo(g,h,i)perylene	17.515	276	40056	2.943	ng	98

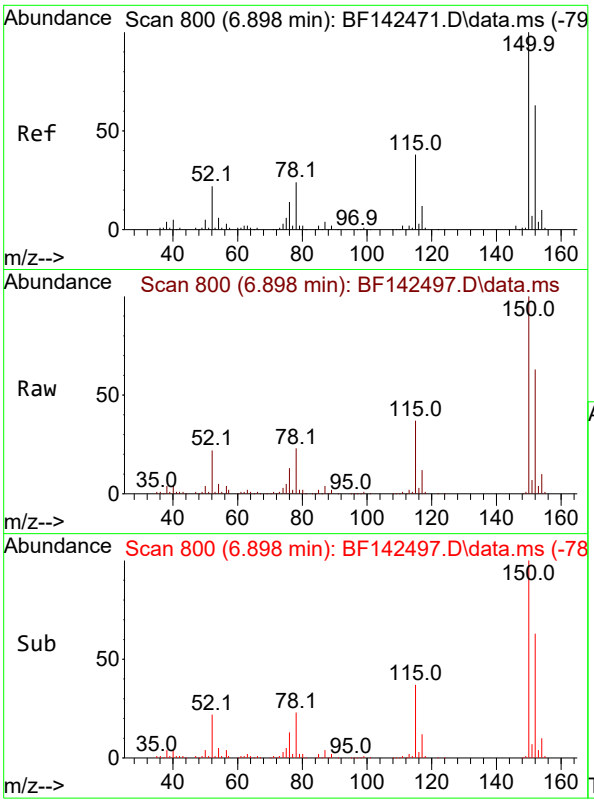
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142497.D
Acq On : 21 May 2025 20:03
Operator : RC/JU
Sample : Q2074-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-12

Quant Time: May 22 01:02:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



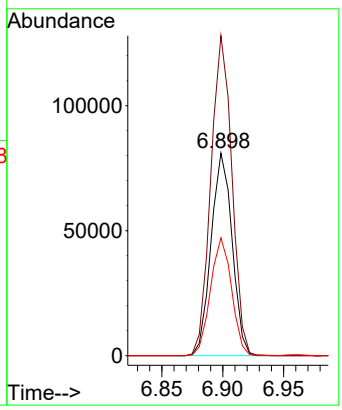


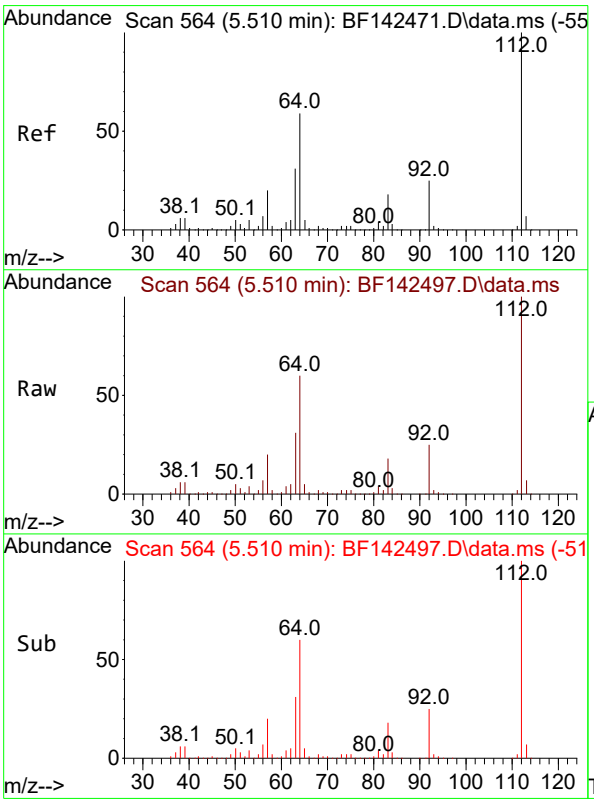
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:152 Resp: 97395

Ion	Ratio	Lower	Upper
152	100		
150	157.9	128.2	192.4
115	58.1	48.3	72.5

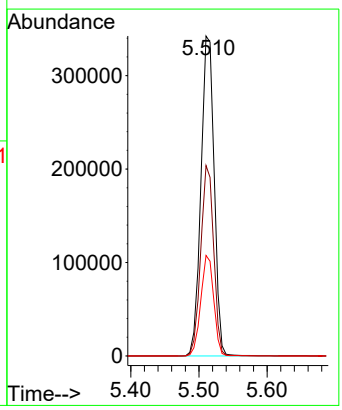


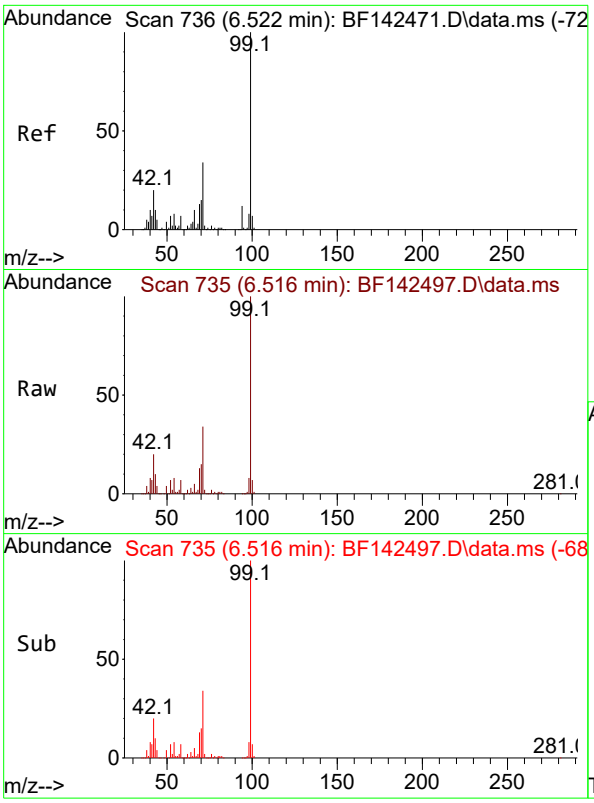


#5
2-Fluorophenol
Concen: 80.077 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Tgt Ion:112 Resp: 462922

Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.5	71.3
63	31.4	24.9	37.3



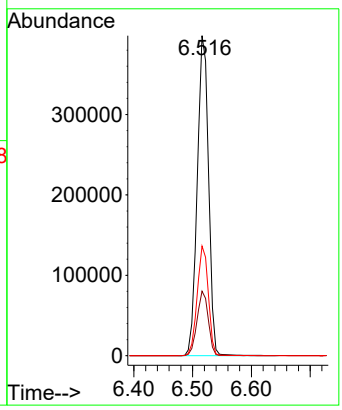


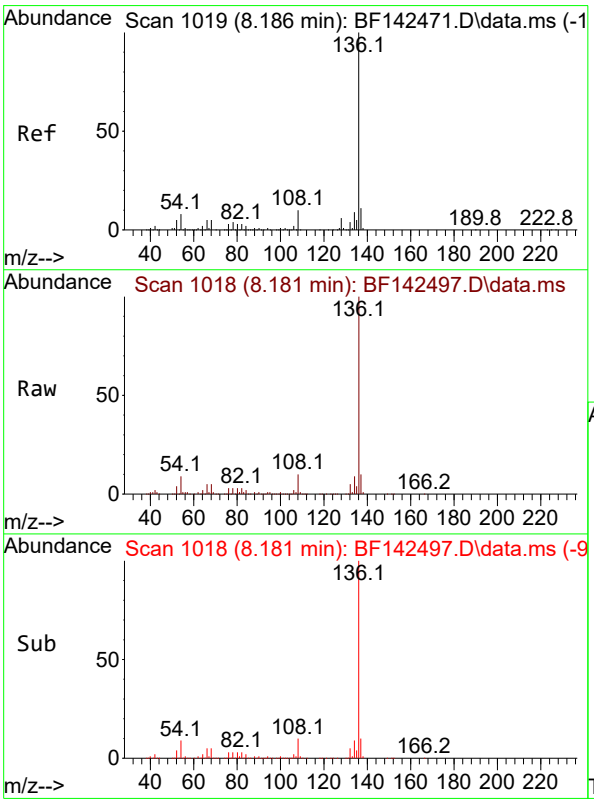
#7
Phenol-d6
Concen: 76.171 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion: 99 Resp: 530067

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.2	24.2
71	34.3	27.3	40.9

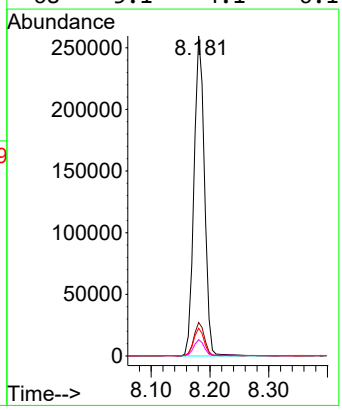


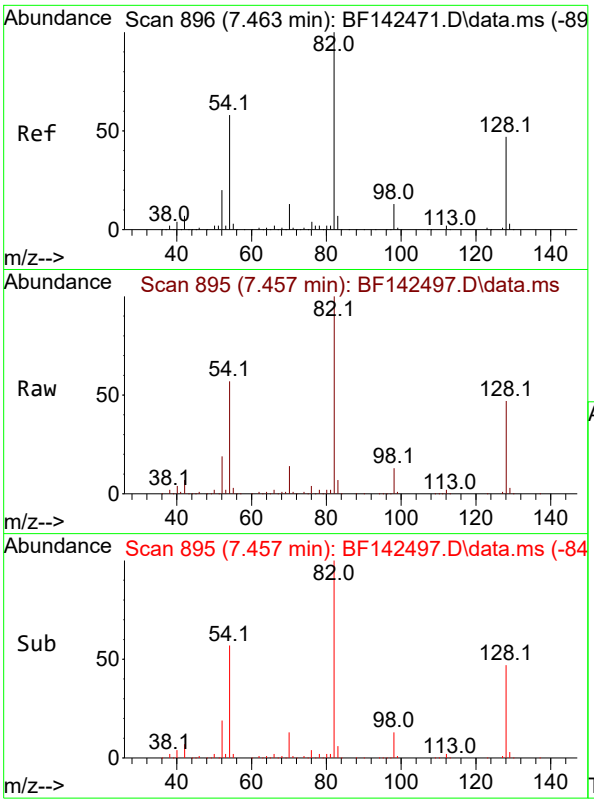


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Tgt Ion:136 Resp: 321844

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.7	6.6	10.0
68	5.1	4.1	6.1



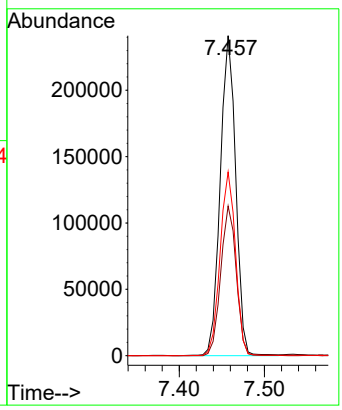


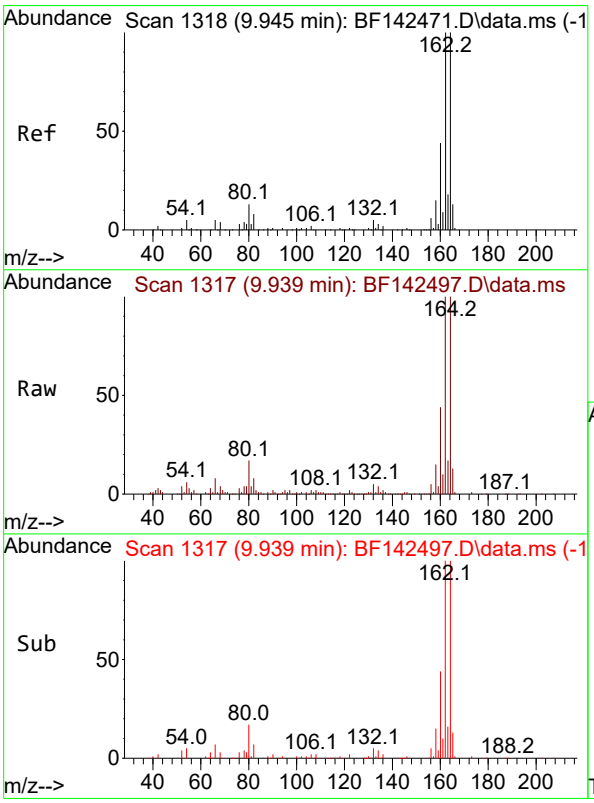
#23
Nitrobenzene-d5
Concen: 51.530 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion: 82 Resp: 304142

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.4	56.2
54	57.4	46.6	70.0

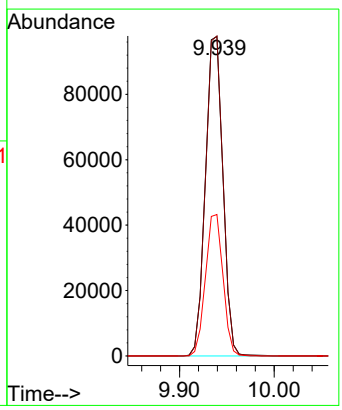


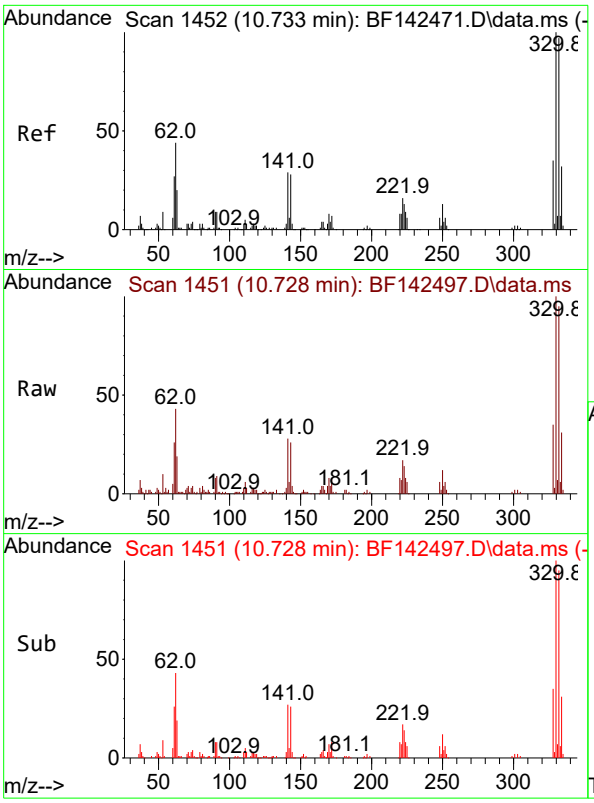


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Tgt Ion:164 Resp: 125382

Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.2	120.4
160	44.3	35.6	53.4



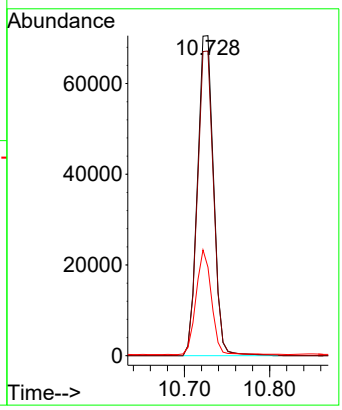


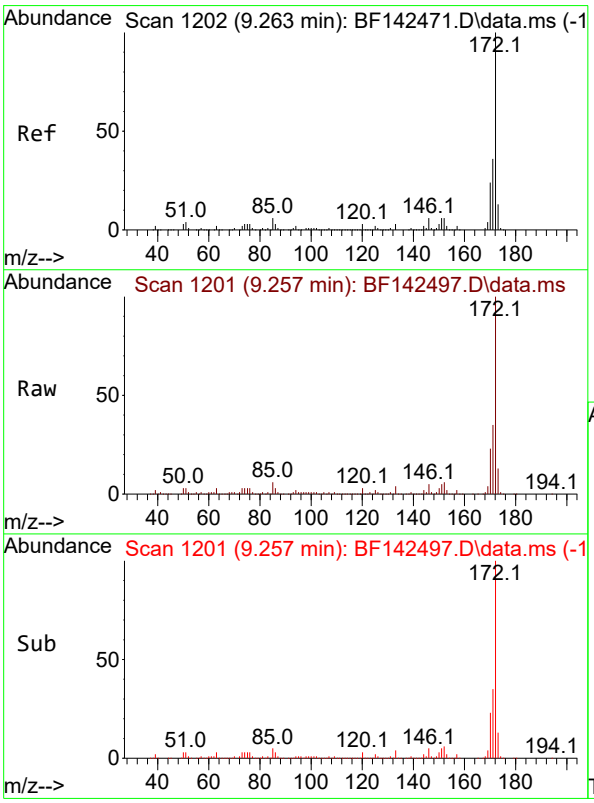
#42
2,4,6-Tribromophenol
Concen: 66.213 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:330 Resp: 92141

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.6	116.4
141	31.5	24.6	36.8

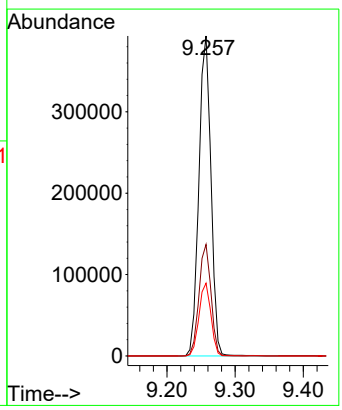


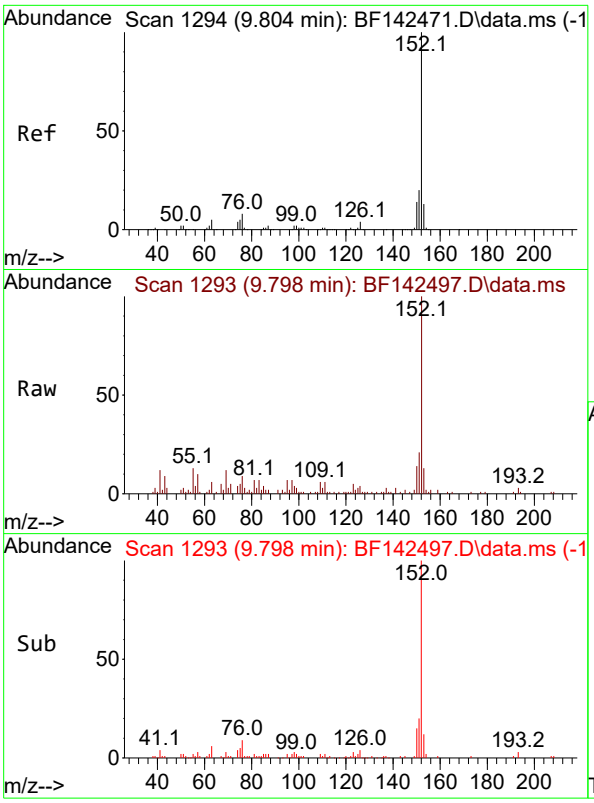


#45
2-Fluorobiphenyl
Concen: 51.628 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Tgt Ion:172 Resp: 482404

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	42.8
170	22.7	18.9	28.3



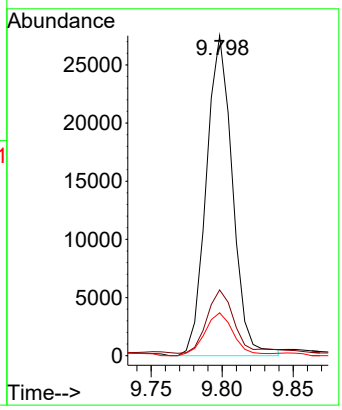


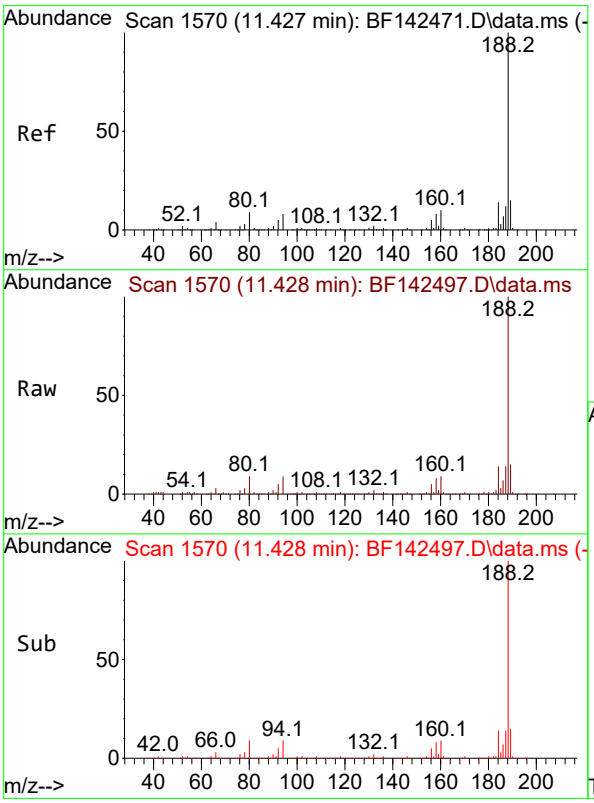
#49
Acenaphthylene
Concen: 2.904 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:152 Resp: 35247

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.8
153	13.4	10.6	15.8

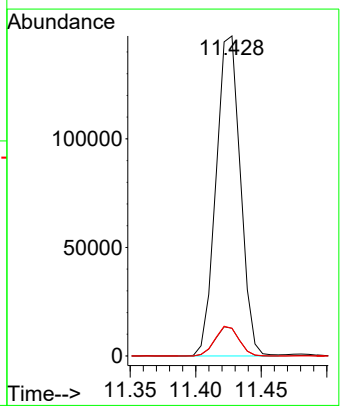


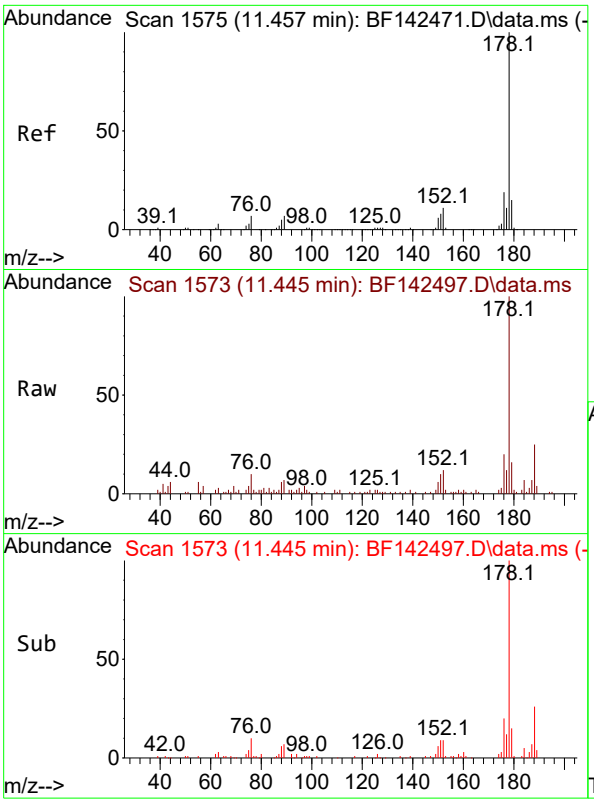


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Tgt Ion:188 Resp: 190005

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	8.7	7.4	11.0



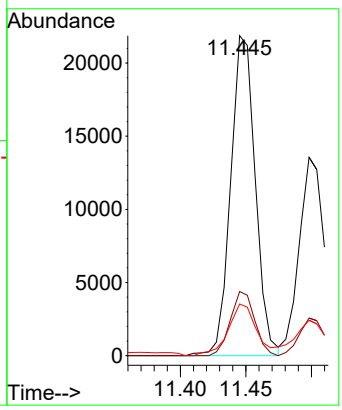


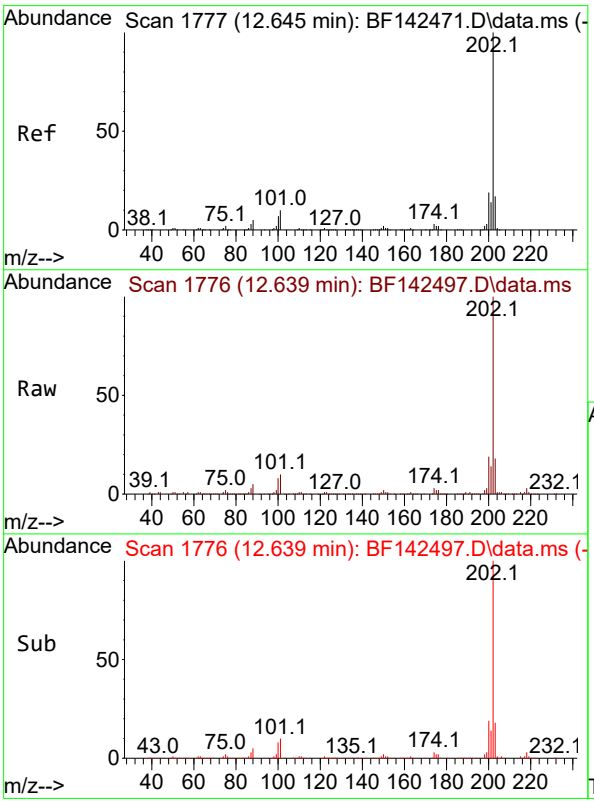
#71
Phenanthrene
Concen: 2.816 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:178 Resp: 28594

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.0
179	16.1	12.3	18.5

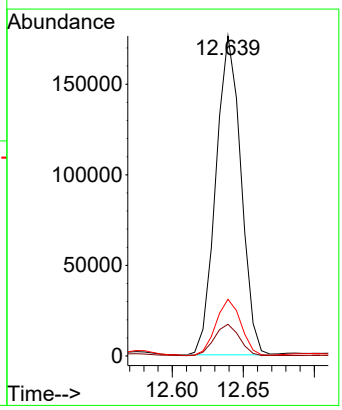


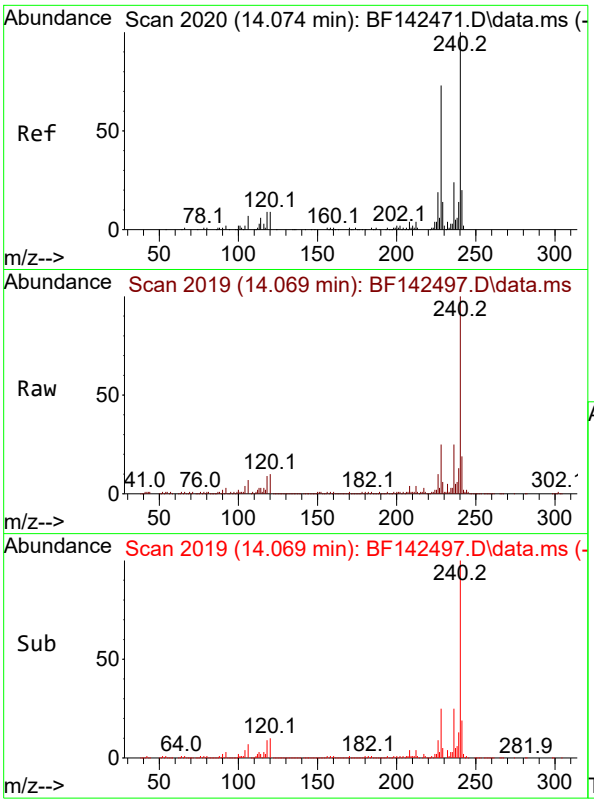


#75
Fluoranthene
Concen: 22.800 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Tgt Ion:202 Resp: 216327

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.6
203	17.7	0.0	37.2



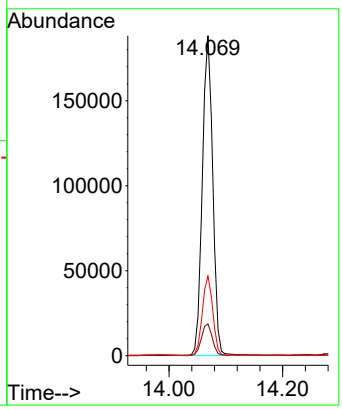


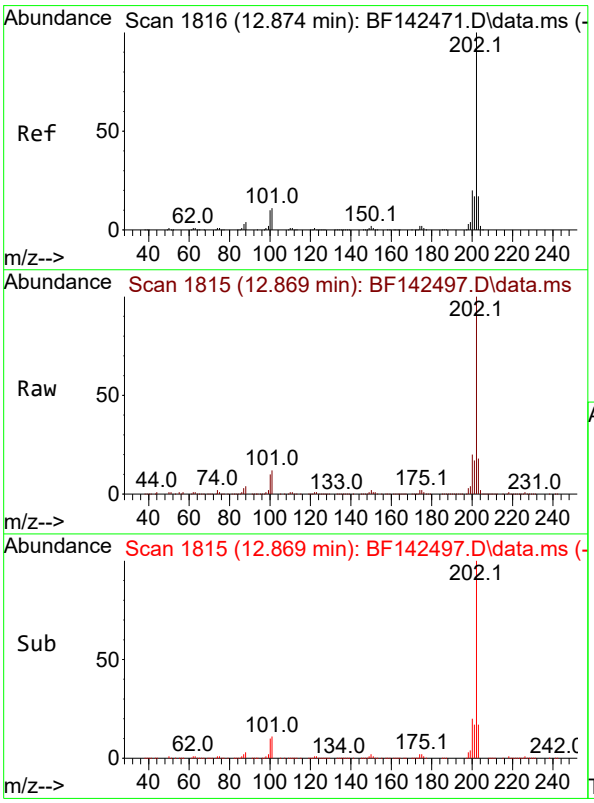
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:240 Resp: 238862

Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.5	11.3
236	24.8	19.6	29.4

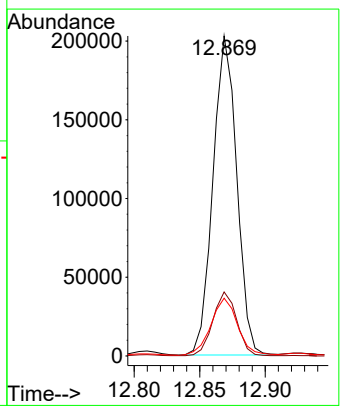


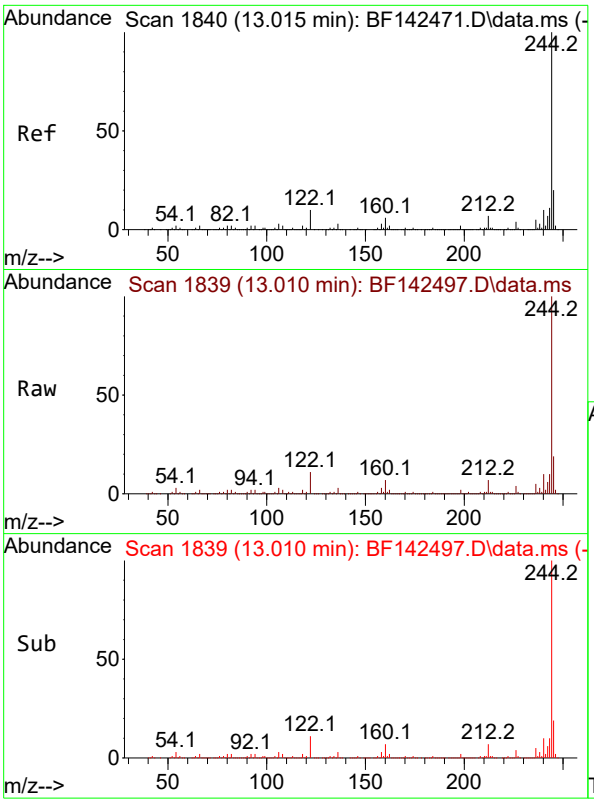


#78
Pyrene
Concen: 11.476 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Tgt Ion:202 Resp: 255707

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	18.1	13.9	20.9



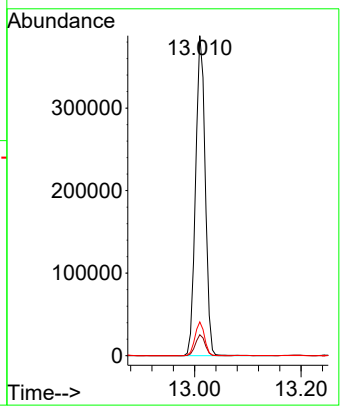


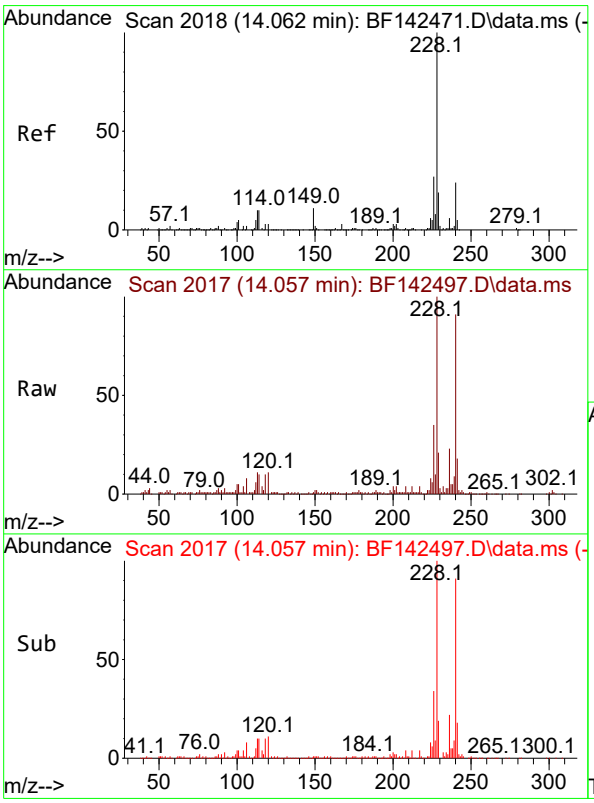
#79
Terphenyl-d14
Concen: 27.868 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:244 Resp: 487109

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	10.6	8.2	12.2

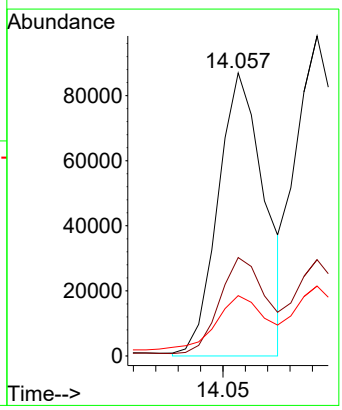


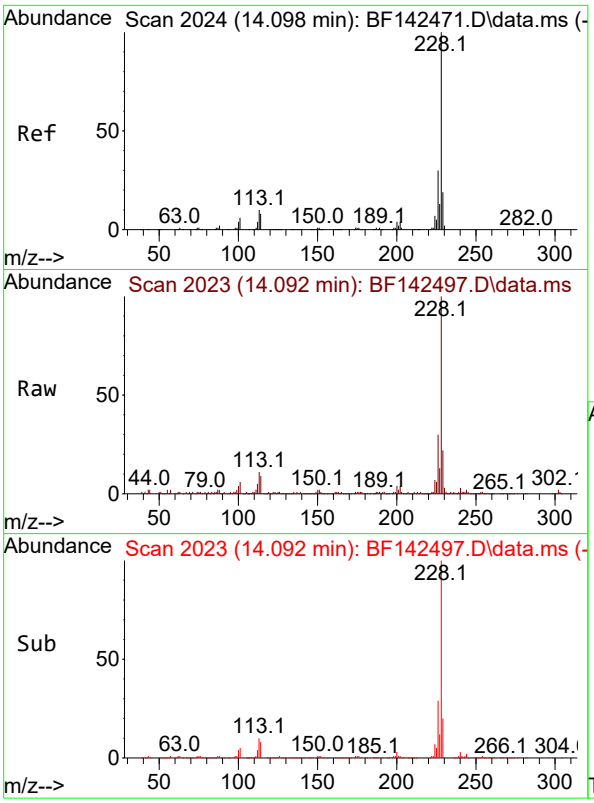


#81
Benzo(a)anthracene
Concen: 7.906 ng m
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Tgt Ion:228 Resp: 126106

Ion	Ratio	Lower	Upper
228	100		
226	34.8	21.2	31.8#
229	21.3	15.5	23.3



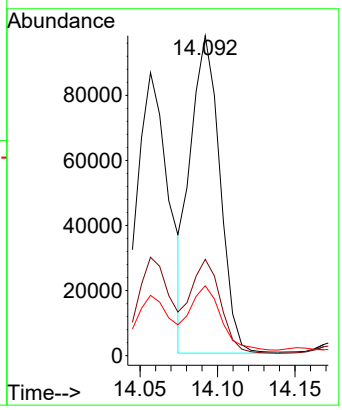


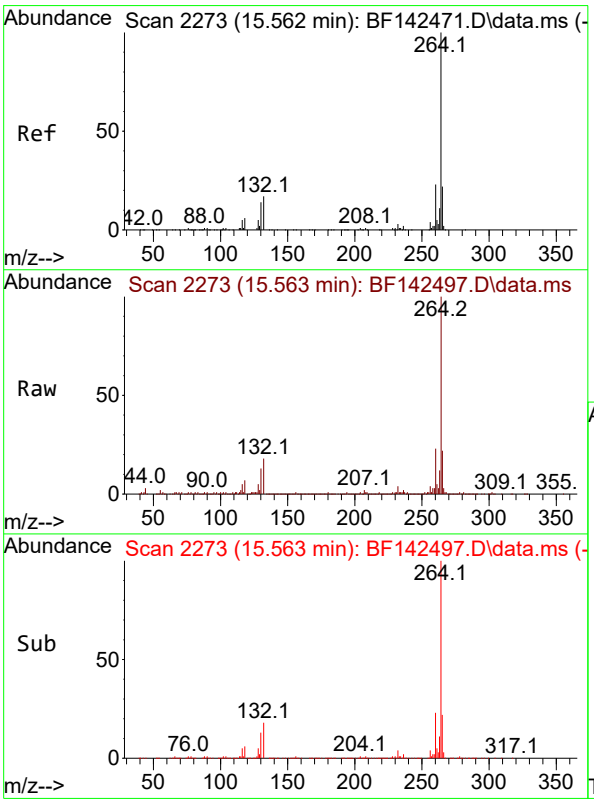
#83
Chrysene
Concen: 8.986 ng
RT: 14.092 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:228 Resp: 128789

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.6
229	21.9	15.4	23.2

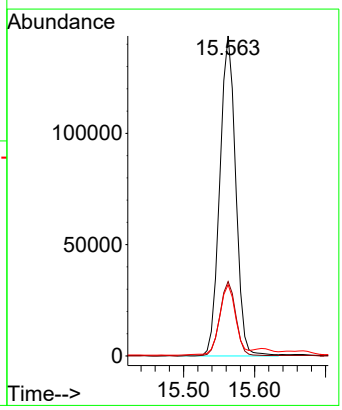


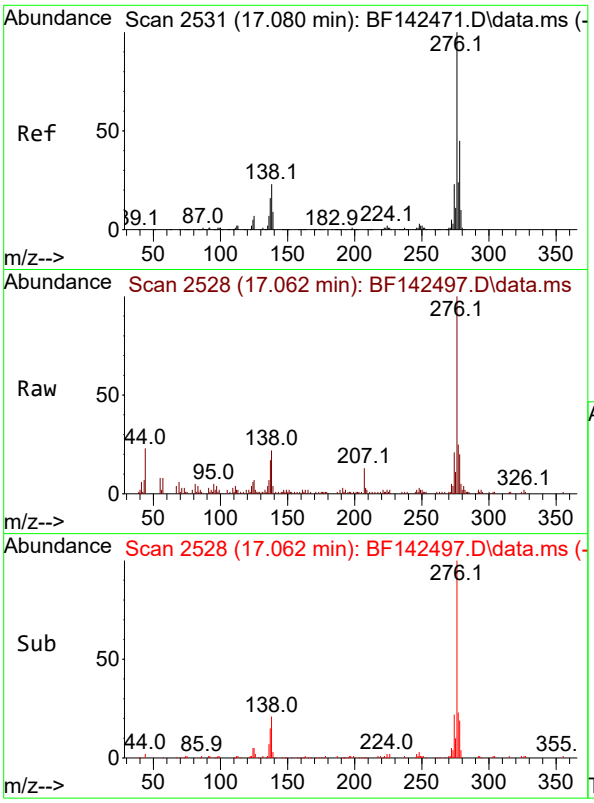


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Tgt Ion:264 Resp: 223453

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	22.2	17.7	26.5



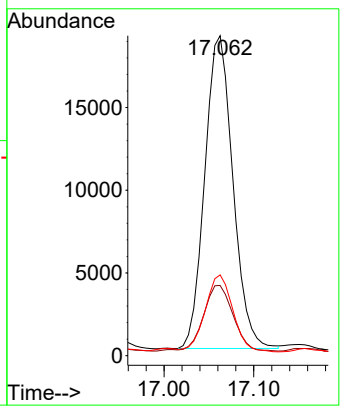


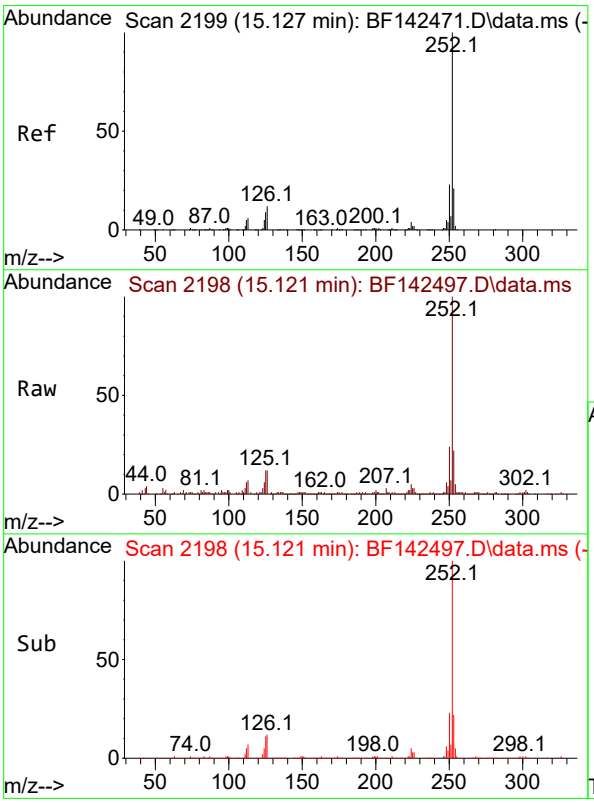
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.454 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:276 Resp: 41175

Ion	Ratio	Lower	Upper
276	100		
138	22.2	19.9	29.9
277	24.2	20.2	30.2

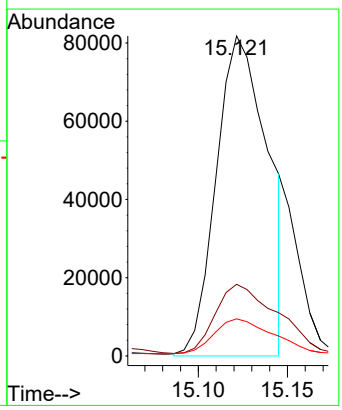


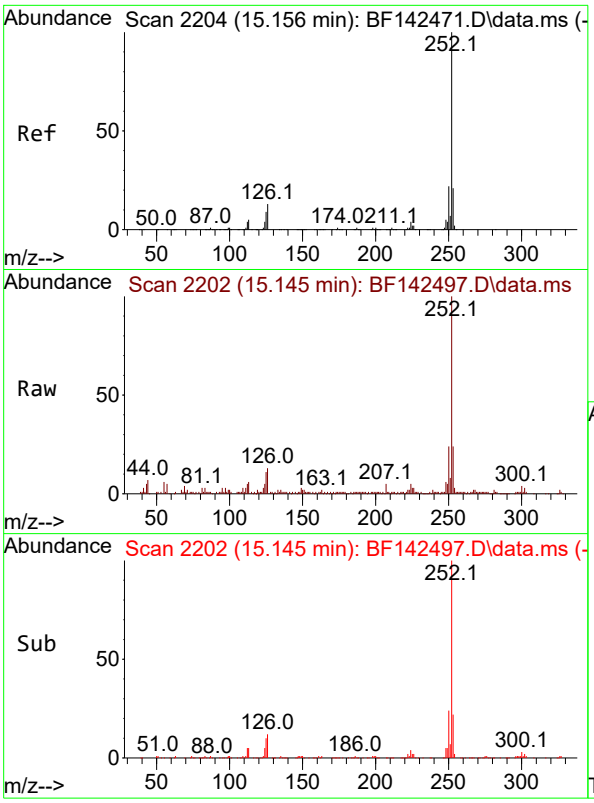


#88
Benzo(b)fluoranthene
Concen: 12.367 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Tgt Ion:252 Resp: 163558

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.4
125	11.6	7.4	11.0#



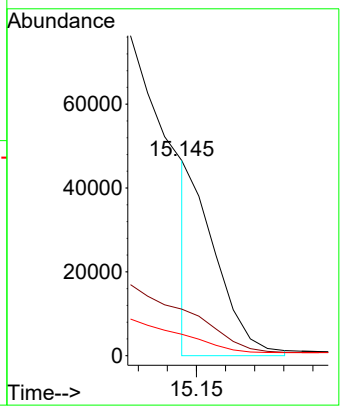


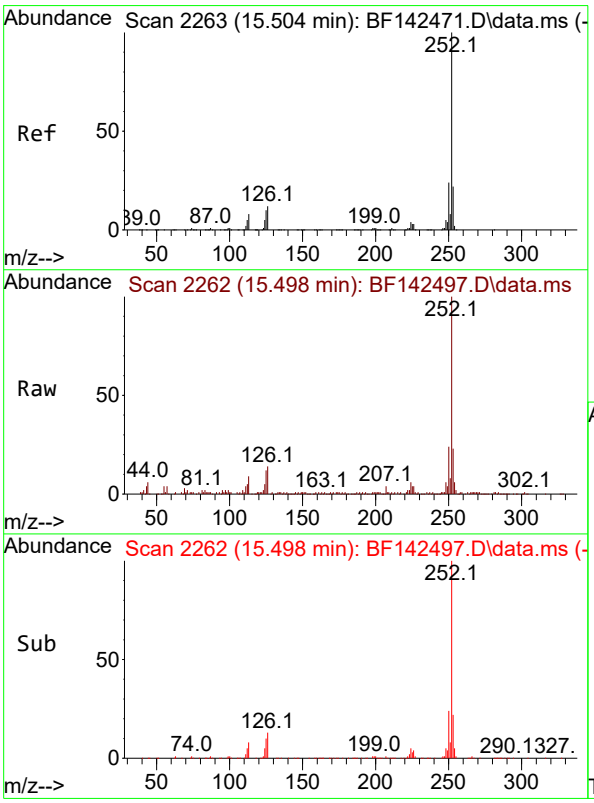
#89
Benzo(k)fluoranthene
Concen: 2.279 ng m
RT: 15.145 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:252 Resp: 28224

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.4
125	11.0	7.3	10.9#

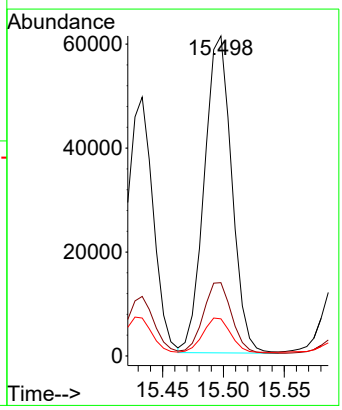


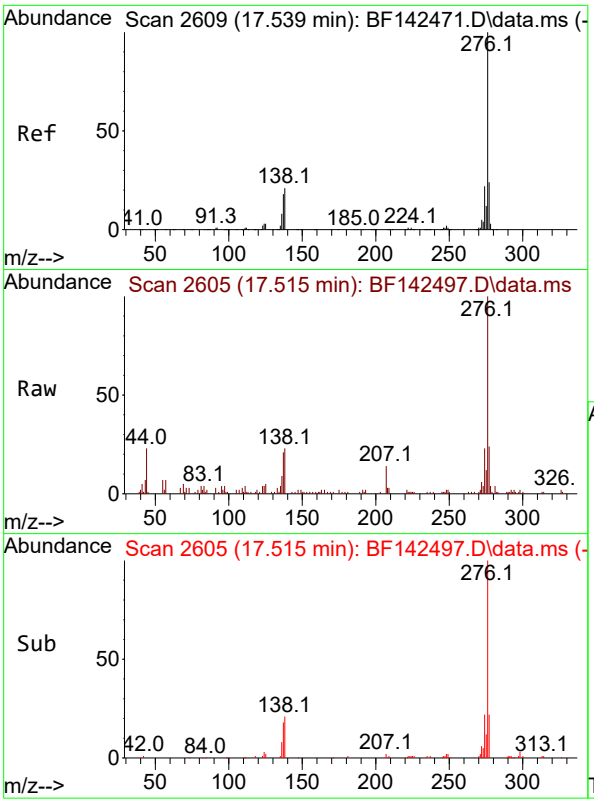


#90
Benzo(a)pyrene
Concen: 7.693 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.012 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Tgt Ion:252 Resp: 95905

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	11.6	7.9	11.9





#92
Benzo(g,h,i)perylene
Concen: 2.943 ng
RT: 17.515 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF142497.D
Acq: 21 May 2025 20:03

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:276 Resp: 40056

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	23.2	16.8	25.2