Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142955.D
Acq On : 01 Jul 2025 18:00
Operator : RC/JU
Sample : Q2458-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-60

Quant Time: Jul 01 18:22:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	40048	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	134037	20.000	ng		-0.01
39) Acenaphthene-d10	9.910	164	70254	20.000	ng		-0.01
64) Phenanthrene-d10	11.404	188	141628	20.000	ng		0.00
76) Chrysene-d12	14.051	240	121309	20.000	ng		0.00
86) Perylene-d12	15.545	264	87498	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	176207	73.255	ng		0.00
7) Phenol-d6	6.498	99	192270	67.751	ng		-0.01
23) Nitrobenzene-d5	7.434	82	113844	46.587	ng		-0.01
42) 2,4,6-Tribromophenol	10.704	330	62492	86.439	ng		-0.01
45) 2-Fluorobiphenyl	9.234	172	248940	46.549	ng		-0.01
79) Terphenyl-d14	12.986	244	354143	40.337	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	11.428	178	32686	4.260	ng		98
75) Fluoranthene	12.616	202	152352	20.924	ng		100
78) Pyrene	12.845	202	146607	12.893	ng		98
81) Benzo(a)anthracene	14.039	228	80992	9.897	ng		92
83) Chrysene	14.074	228	72314m	9.903	ng		
87) Indeno(1,2,3-cd)pyrene	17.057	276	37828	5.676	ng		95
88) Benzo(b)fluoranthene	15.104	252	83510m	16.494	ng		
89) Benzo(k)fluoranthene	15.121	252	31097m	6.565	ng		
90) Benzo(a)pyrene	15.480	252	54461	11.134	ng	#	90
92) Benzo(g,h,i)perylene	17.515	276	40486	7.498	ng		98

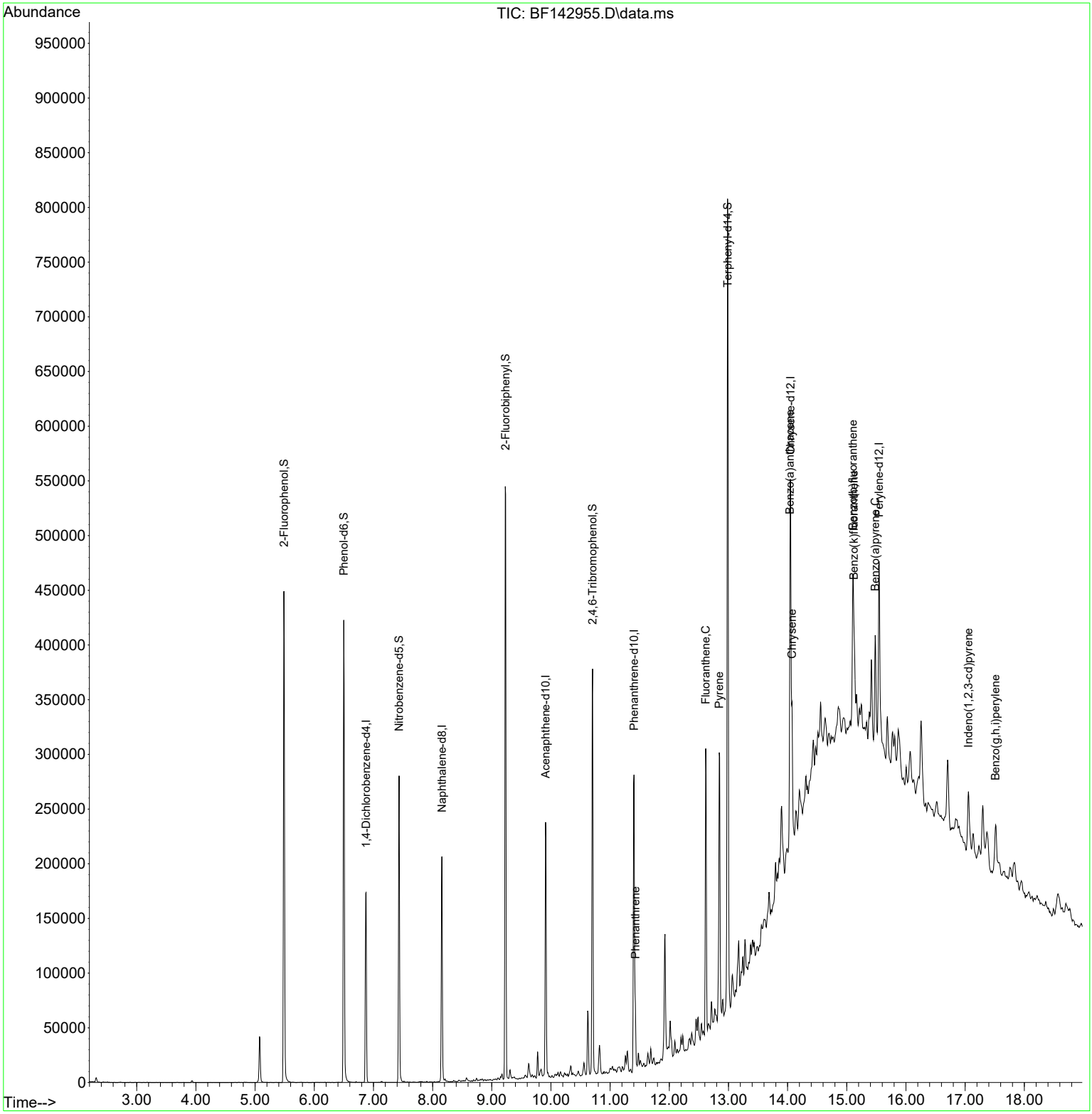
(#) = qualifier out of range (m) = manual integration (+) = signals summed

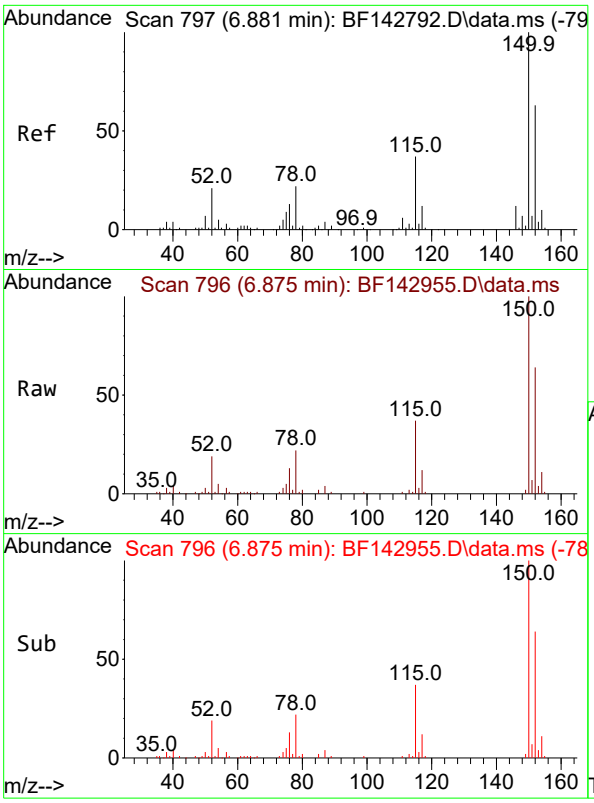
Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142955.D
Acq On : 01 Jul 2025 18:00
Operator : RC/JU
Sample : Q2458-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-60

Quant Time: Jul 01 18:22:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



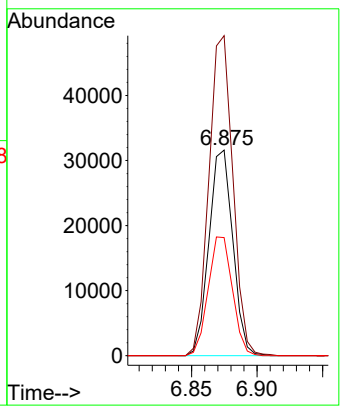


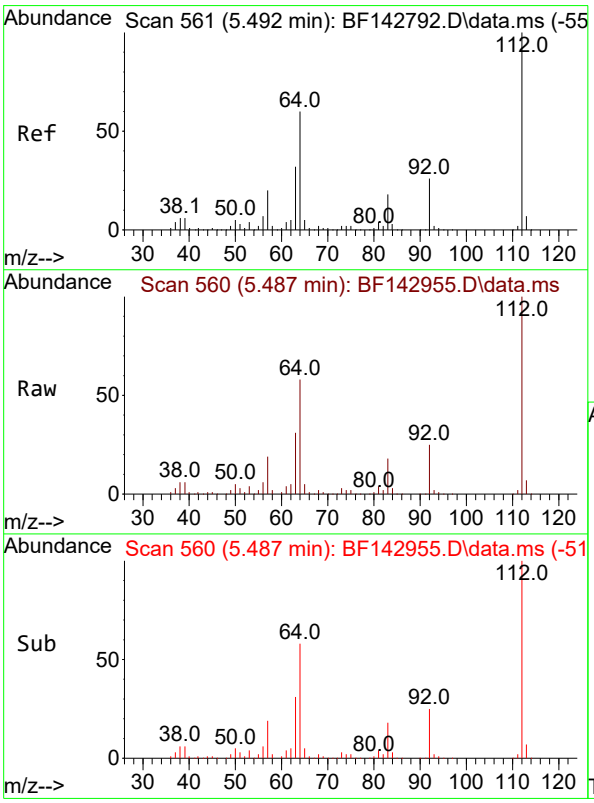
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:152 Resp: 40048

Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.2	190.8
115	57.4	46.6	69.8

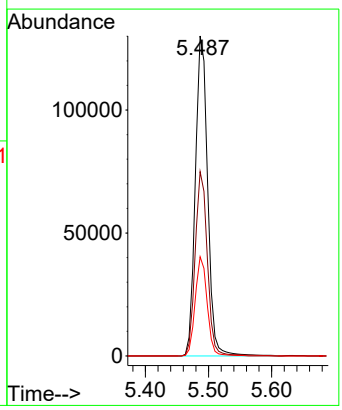


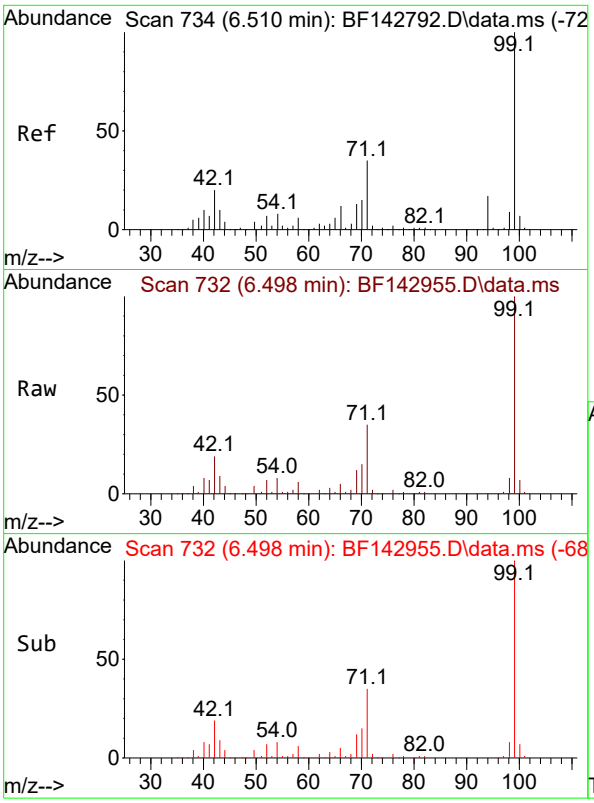


#5
2-Fluorophenol
Concen: 73.255 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:112 Resp: 176207

Ion	Ratio	Lower	Upper
112	100		
64	57.6	48.2	72.2
63	31.0	25.7	38.5



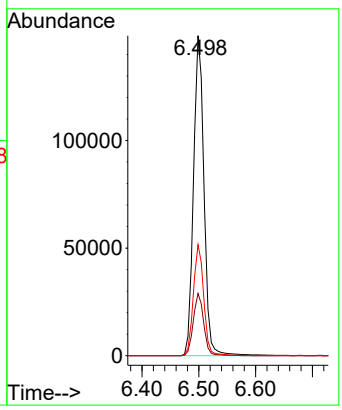


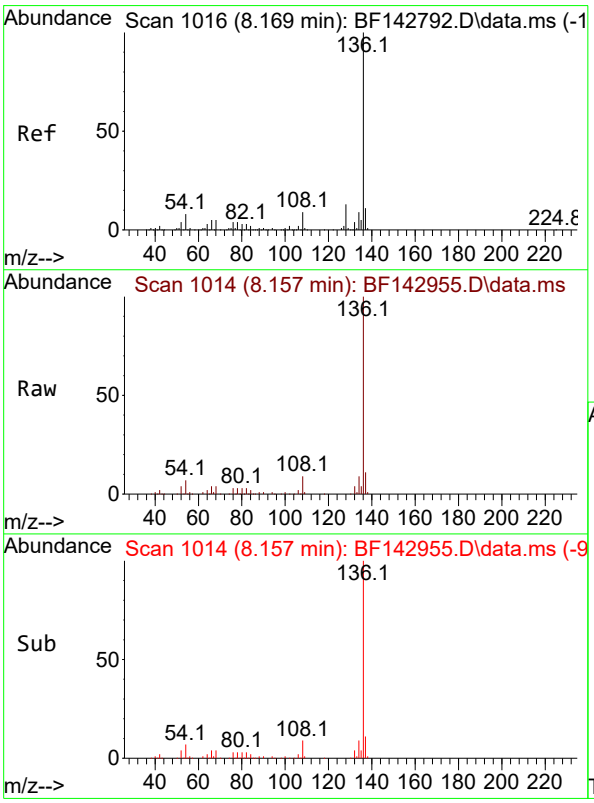
#7
Phenol-d6
Concen: 67.751 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion: 99 Resp: 192270

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	34.7	27.8	41.8

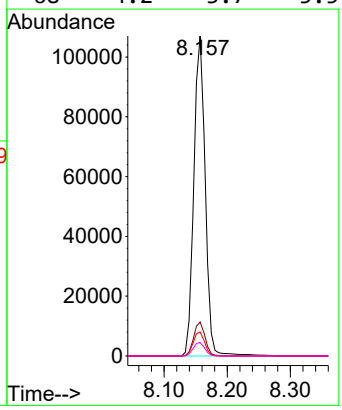


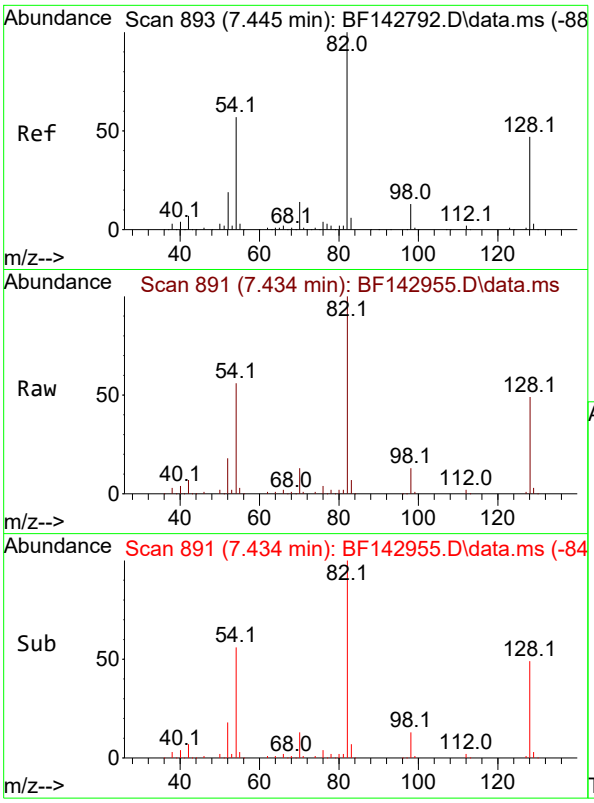


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:136 Resp: 134037

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.5	6.3	9.5
68	4.2	3.7	5.5



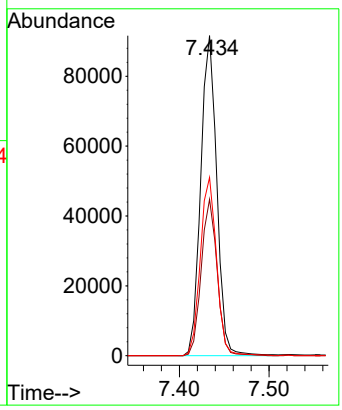


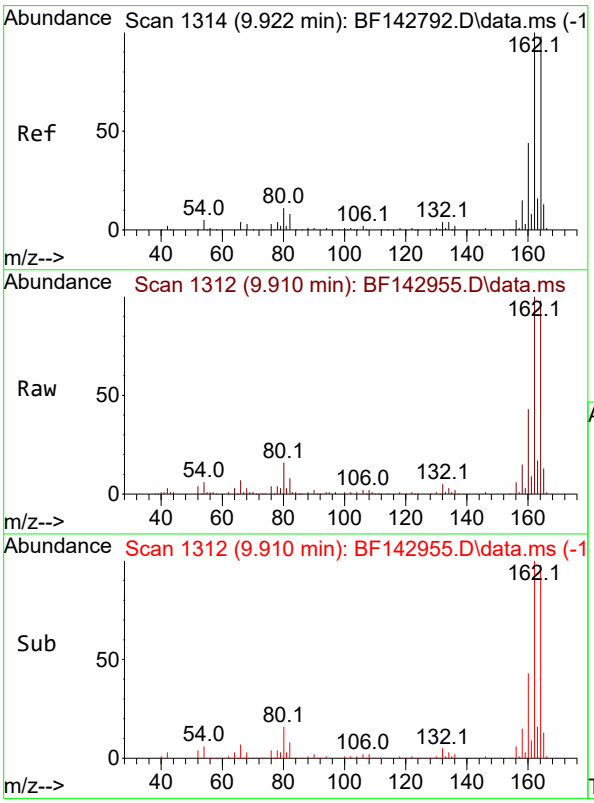
#23
Nitrobenzene-d5
Concen: 46.587 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion: 82 Resp: 113844

Ion	Ratio	Lower	Upper
82	100		
128	48.8	37.7	56.5
54	55.7	45.7	68.5

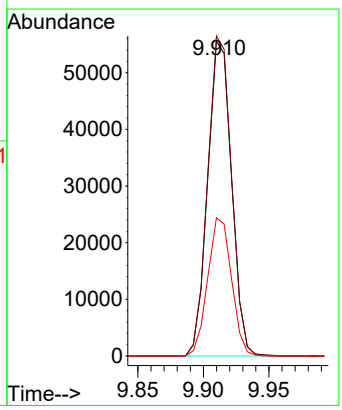


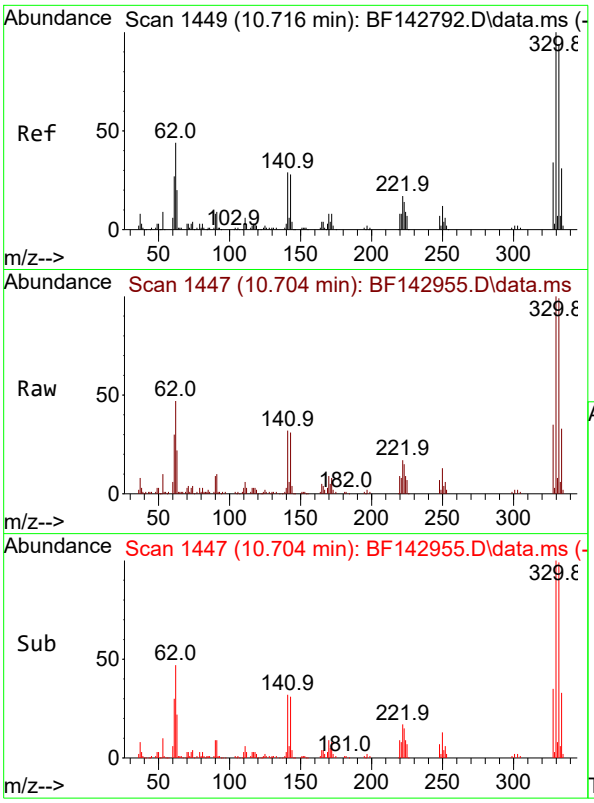


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:164 Resp: 70254

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.8	122.8
160	43.9	36.0	54.0



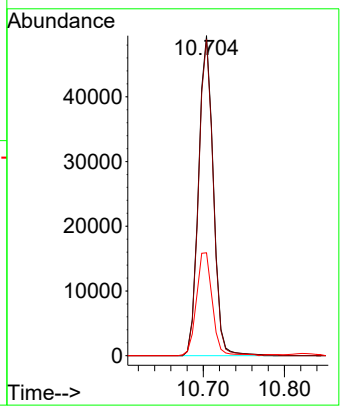


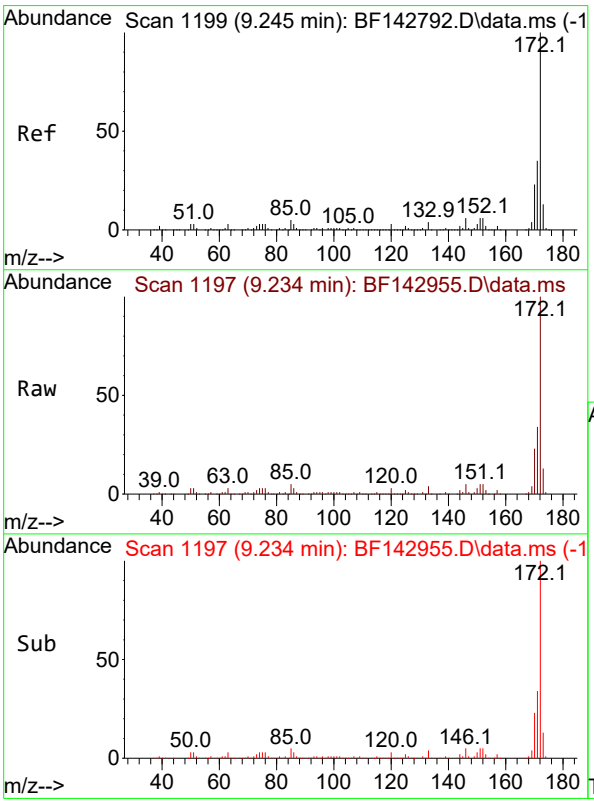
#42
2,4,6-Tribromophenol
Concen: 86.439 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:330 Resp: 62492

Ion	Ratio	Lower	Upper
330	100		
332	97.7	75.0	112.6
141	34.7	25.3	37.9

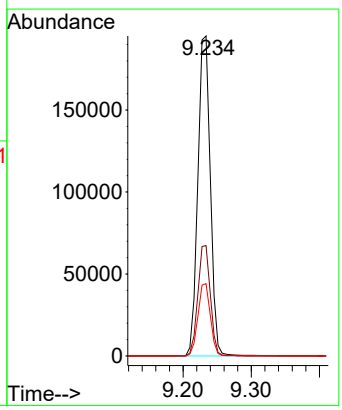


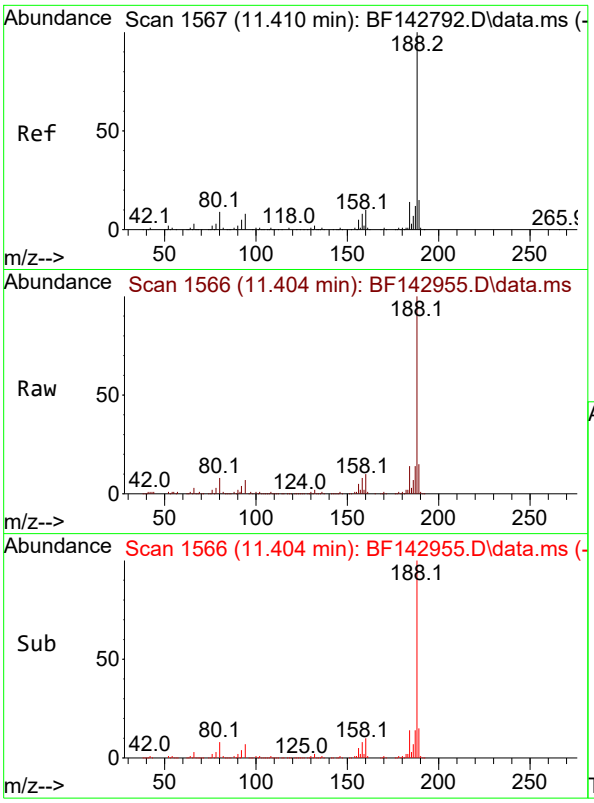


#45
2-Fluorobiphenyl
Concen: 46.549 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:172 Resp: 248940

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.2	42.4
170	22.6	18.5	27.7



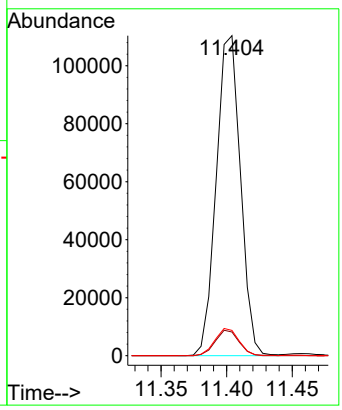


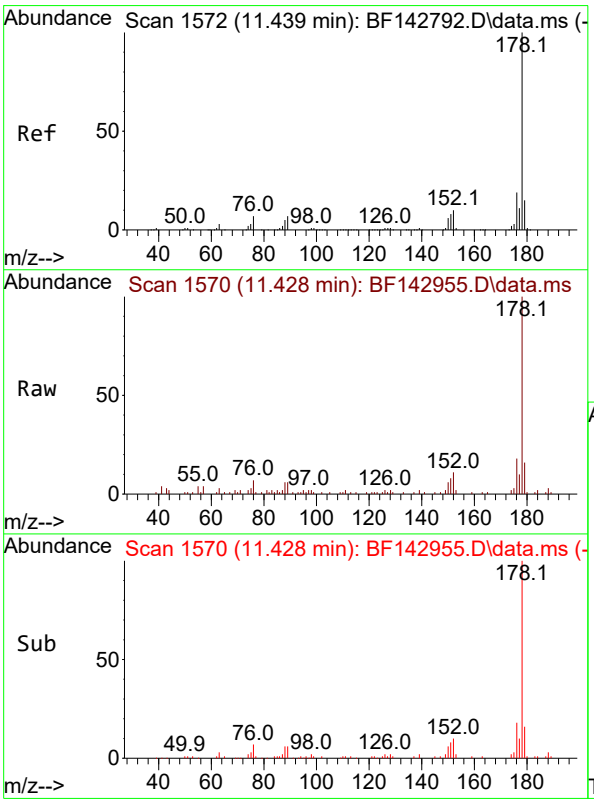
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:188 Resp: 141628

Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.7	10.1
80	7.9	6.9	10.3

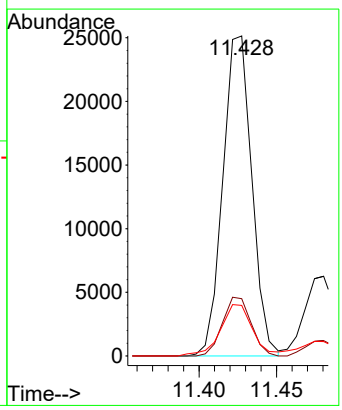


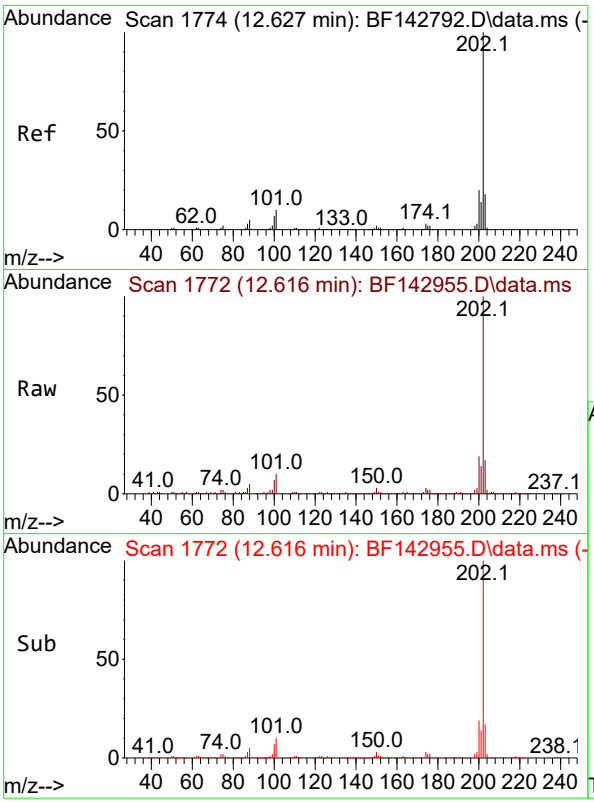


#71
Phenanthrene
Concen: 4.260 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:178 Resp: 32686

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.1	22.7
179	15.8	12.0	18.0



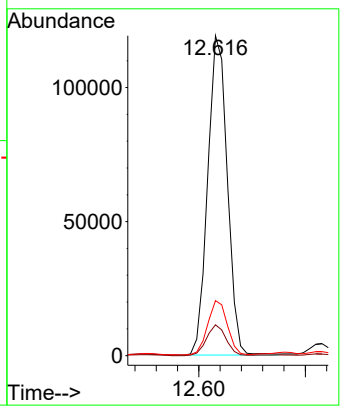


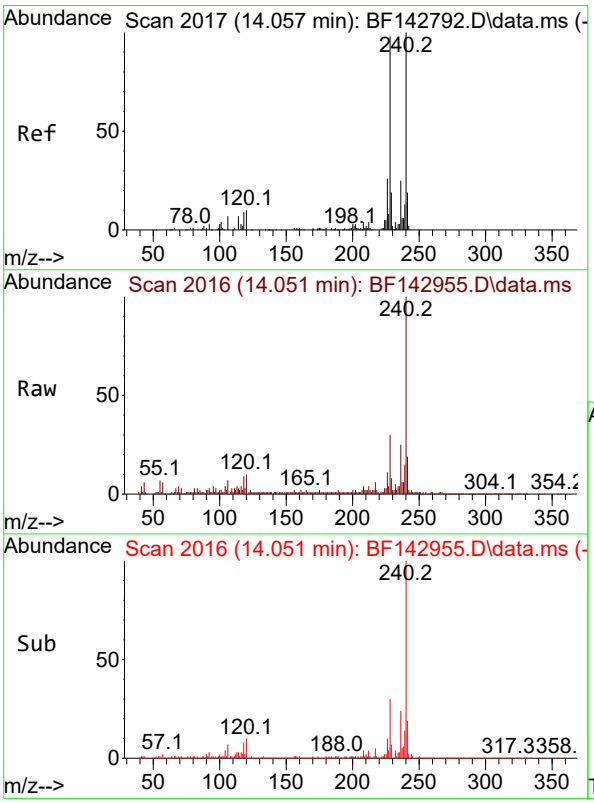
#75
Fluoranthene
Concen: 20.924 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:202 Resp: 152352

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.7
203	17.2	0.0	37.5

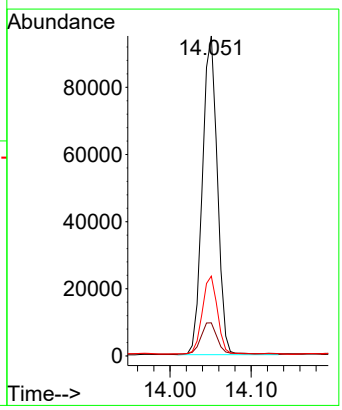


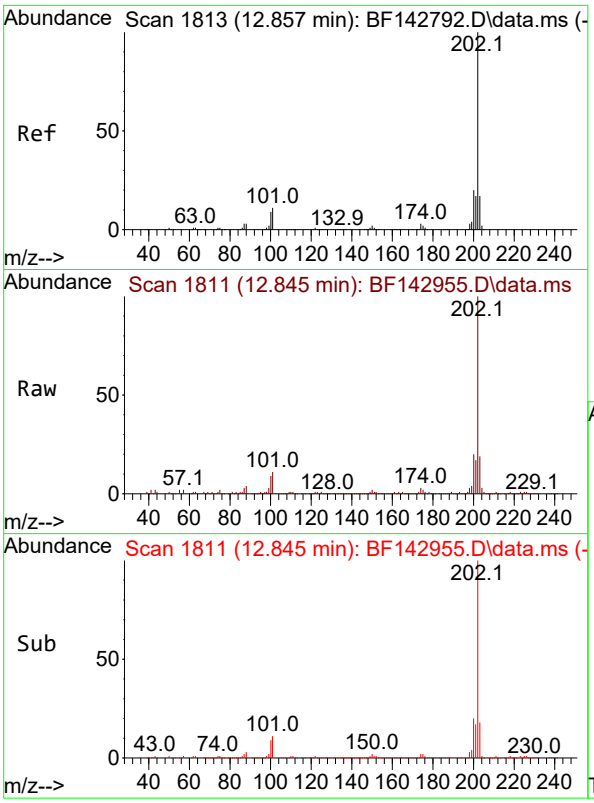


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:240 Resp: 121309

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.2	12.2
236	24.9	19.8	29.8



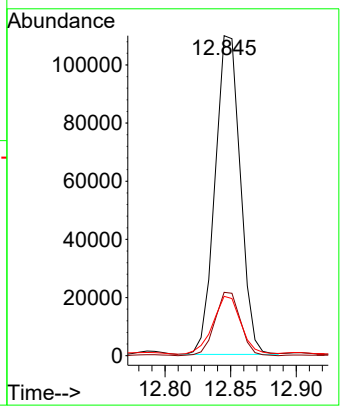


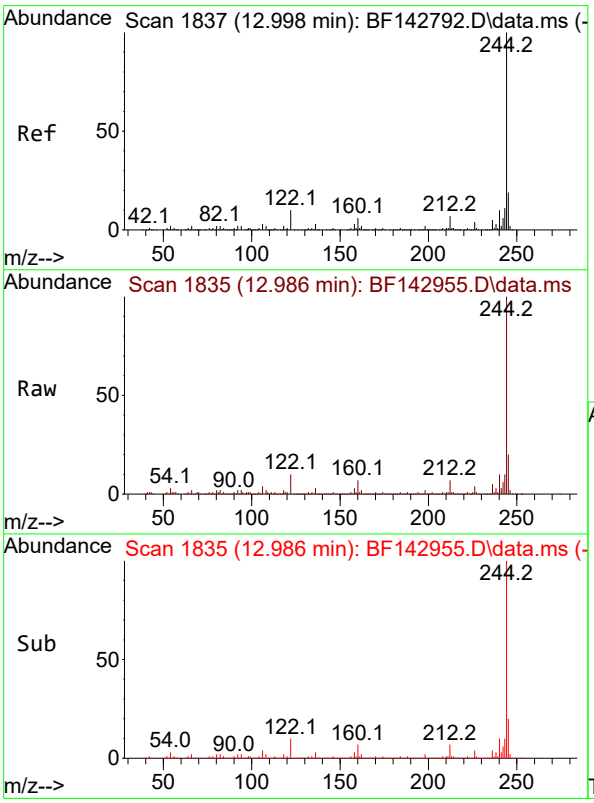
#78
Pyrene
Concen: 12.893 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:202 Resp: 146607

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	18.6	13.8	20.6

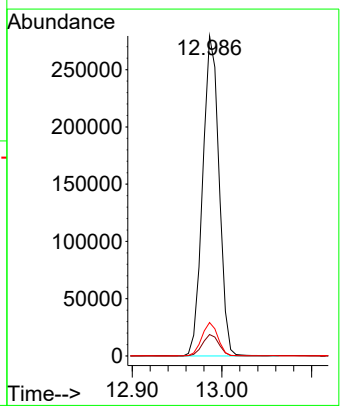


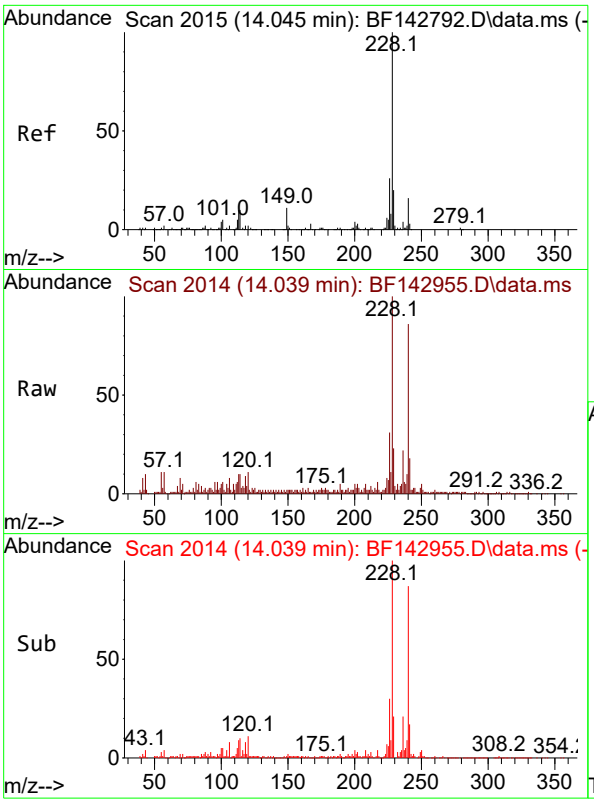


#79
Terphenyl-d14
Concen: 40.337 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:244 Resp: 354143

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.5	8.2	12.2



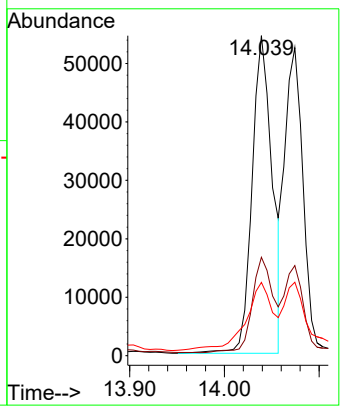


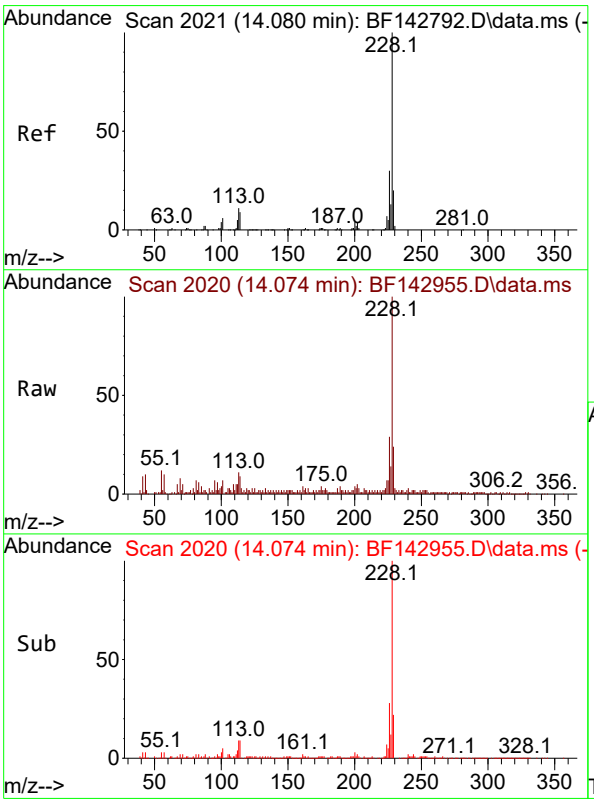
#81
Benzo(a)anthracene
Concen: 9.897 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:228 Resp: 80992

Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.2	31.8
229	22.9	15.6	23.4

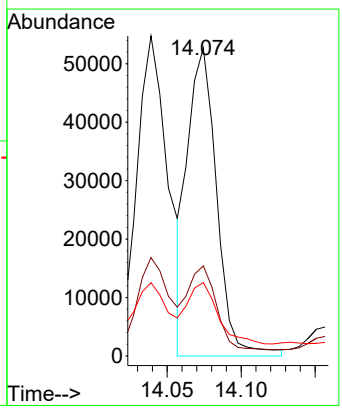


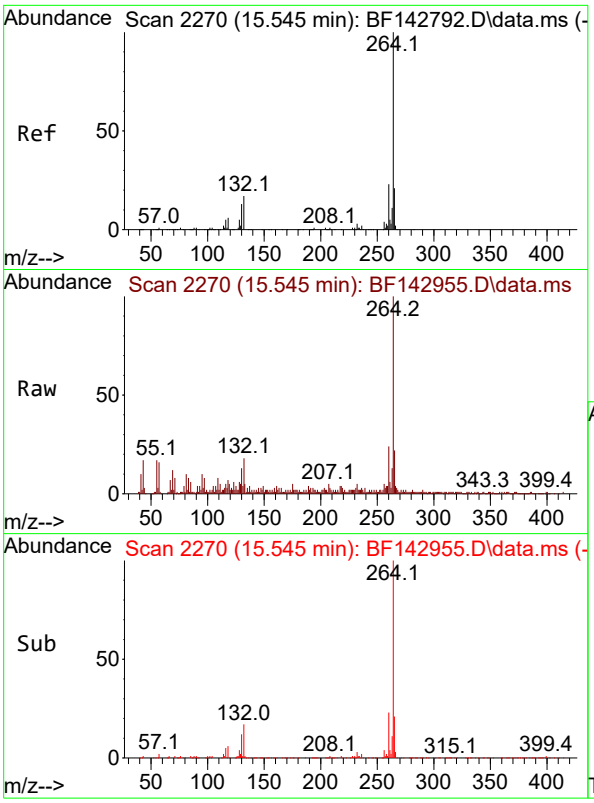


#83
Chrysene
Concen: 9.903 ng m
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:228 Resp: 72314

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.7	35.5
229	23.9	15.7	23.5#



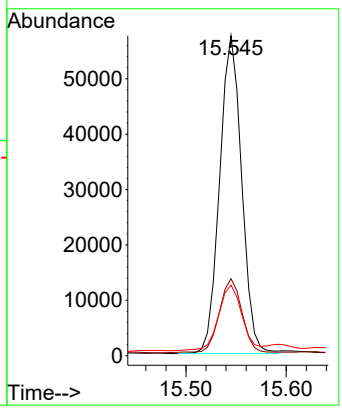


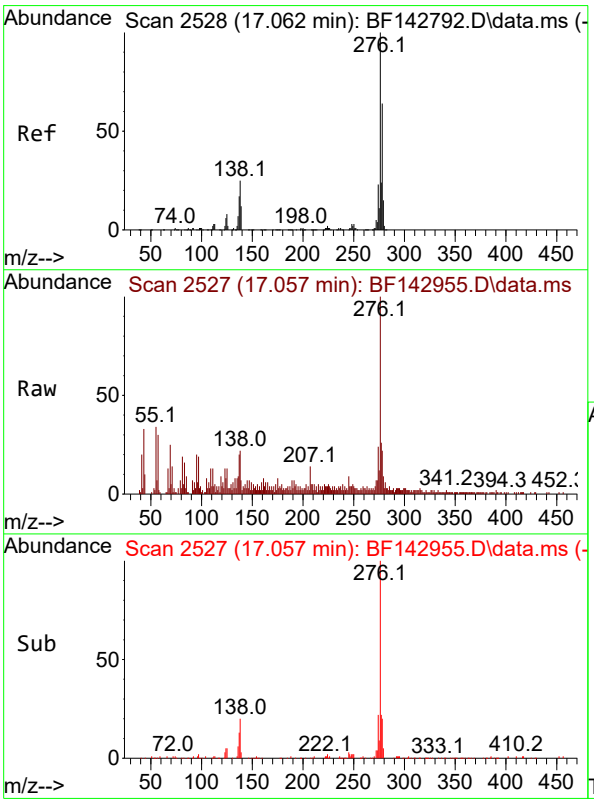
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:264 Resp: 87498

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.1	27.1
265	22.1	16.6	25.0

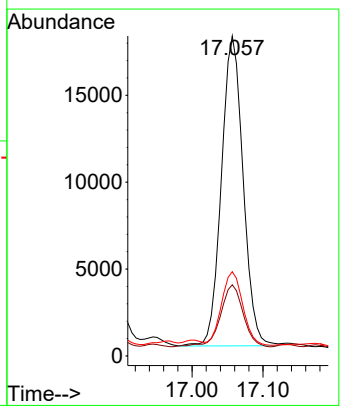


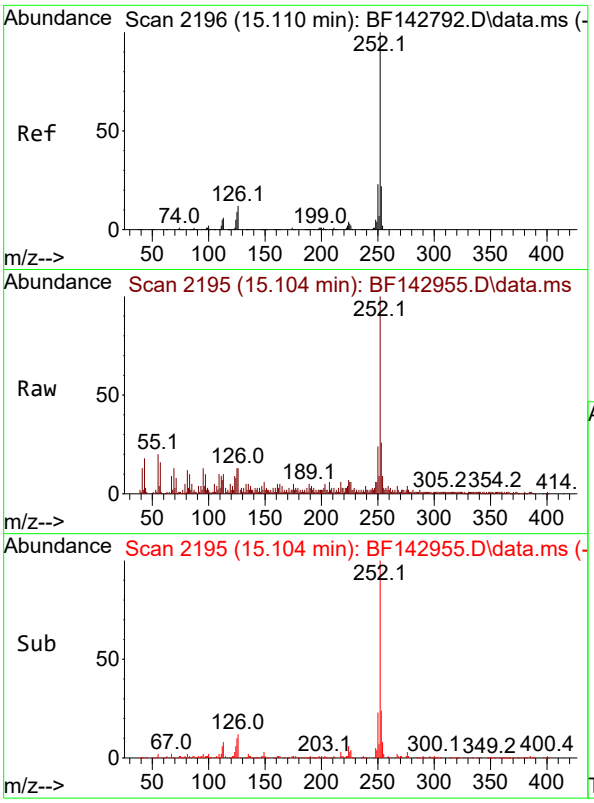


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.676 ng
RT: 17.057 min Scan# 2527
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:276 Resp: 37828

Ion	Ratio	Lower	Upper
276	100		
138	21.6	20.2	30.4
277	23.2	19.8	29.6



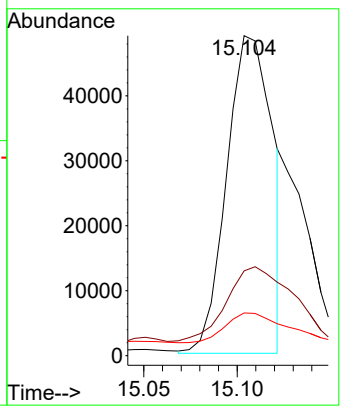


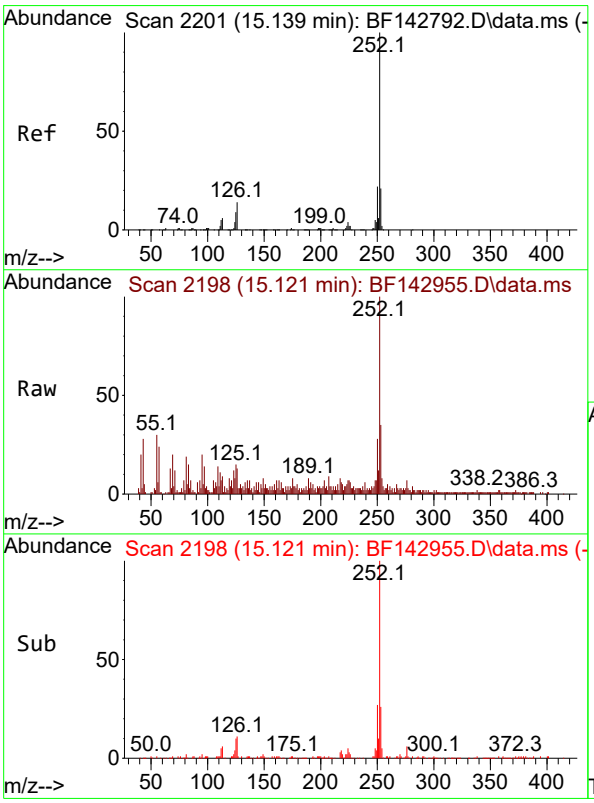
#88
Benzo(b)fluoranthene
Concen: 16.494 ng m
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:252 Resp: 83510

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.5	26.3#
125	13.3	7.4	11.0#

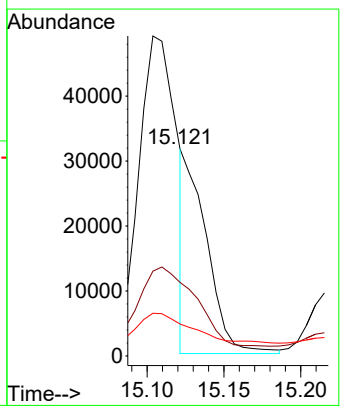


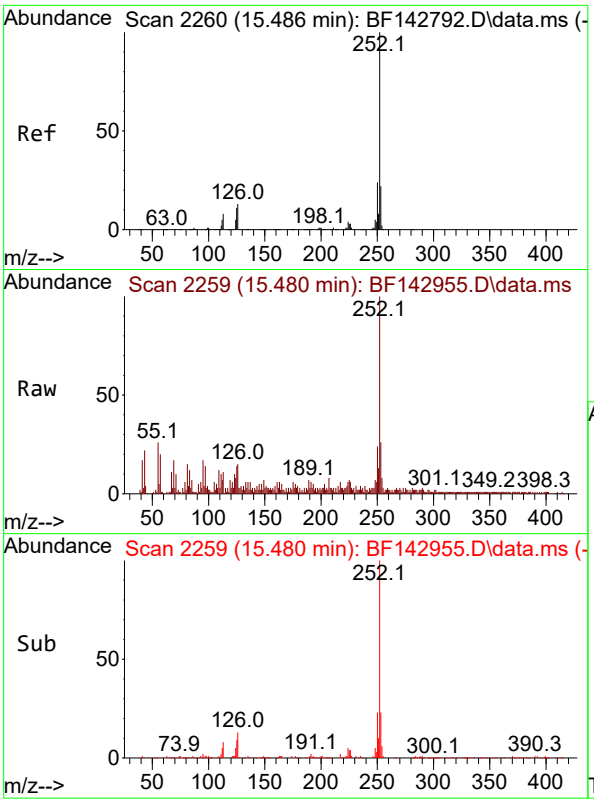


#89
Benzo(k)fluoranthene
Concen: 6.565 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:252 Resp: 31097

Ion	Ratio	Lower	Upper
252	100		
253	35.5	17.2	25.8#
125	15.5	7.4	11.2#



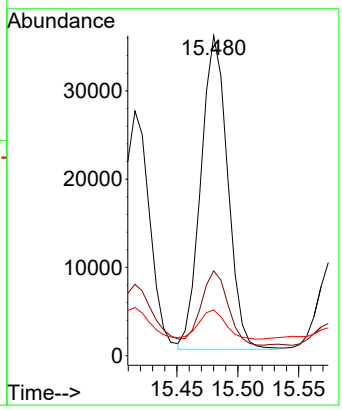


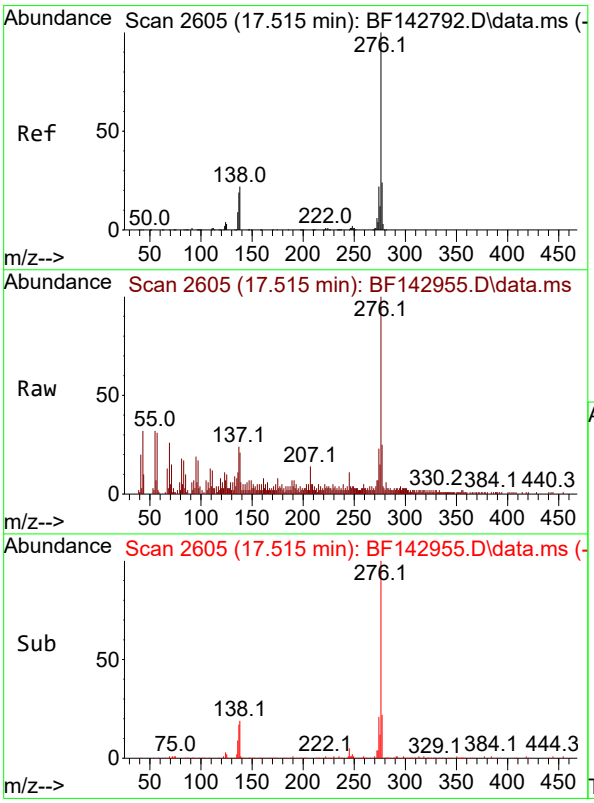
#90
Benzo(a)pyrene
Concen: 11.134 ng
RT: 15.480 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:252 Resp: 54461

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.5	26.3#
125	14.3	8.6	12.8#





#92
Benzo(g,h,i)perylene
Concen: 7.498 ng
RT: 17.515 min Scan# 2605
Delta R.T. 0.000 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:276 Resp: 40486

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.8	28.2
138	21.4	17.6	26.4