Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143068.D
Acq On : 09 Jul 2025 21:04
Operator : RC/JU
Sample : Q2487-11 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Quant Time: Jul 10 00:58:17 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	6.869	152	43463	20.000	ng		-0.01
21) Naphthalene-d8	8.157	136	148519	20.000	ng		-0.01
39) Acenaphthene-d10	9.916	164	64447	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	109030	20.000	ng		0.00
76) Chrysene-d12	14.051	240	112715	20.000	ng		0.00
86) Perylene-d12	15.551	264	74278	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	40390	15.472	ng		0.00
7) Phenol-d6	6.504	99	47521	15.429	ng		0.00
23) Nitrobenzene-d5	7.434	82	27724	10.239	ng		-0.01
42) 2,4,6-Tribromophenol	10.704	330	8917	13.445	ng		-0.01
45) 2-Fluorobiphenyl	9.228	172	57244	11.668	ng		-0.02
79) Terphenyl-d14	12.986	244	64134	7.862	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	11.427	178	61813	10.466	ng		100
72) Anthracene	11.480	178	16496	2.723	ng		99
75) Fluoranthene	12.621	202	114860	20.492	ng		100
78) Pyrene	12.851	202	108633	10.282	ng		99
81) Benzo(a)anthracene	14.039	228	60280	7.928	ng		96
83) Chrysene	14.074	228	39851	5.873	ng		96
87) Indeno(1,2,3-cd)pyrene	17.062	276	18765	3.317	ng		98
88) Benzo(b)fluoranthene	15.110	252	39680m	9.232	ng		
89) Benzo(k)fluoranthene	15.121	252	17859m	4.441	ng		
90) Benzo(a)pyrene	15.486	252	30605	7.371	ng	#	93
92) Benzo(g,h,i)perylene	17.521	276	19371	4.226	ng		97

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

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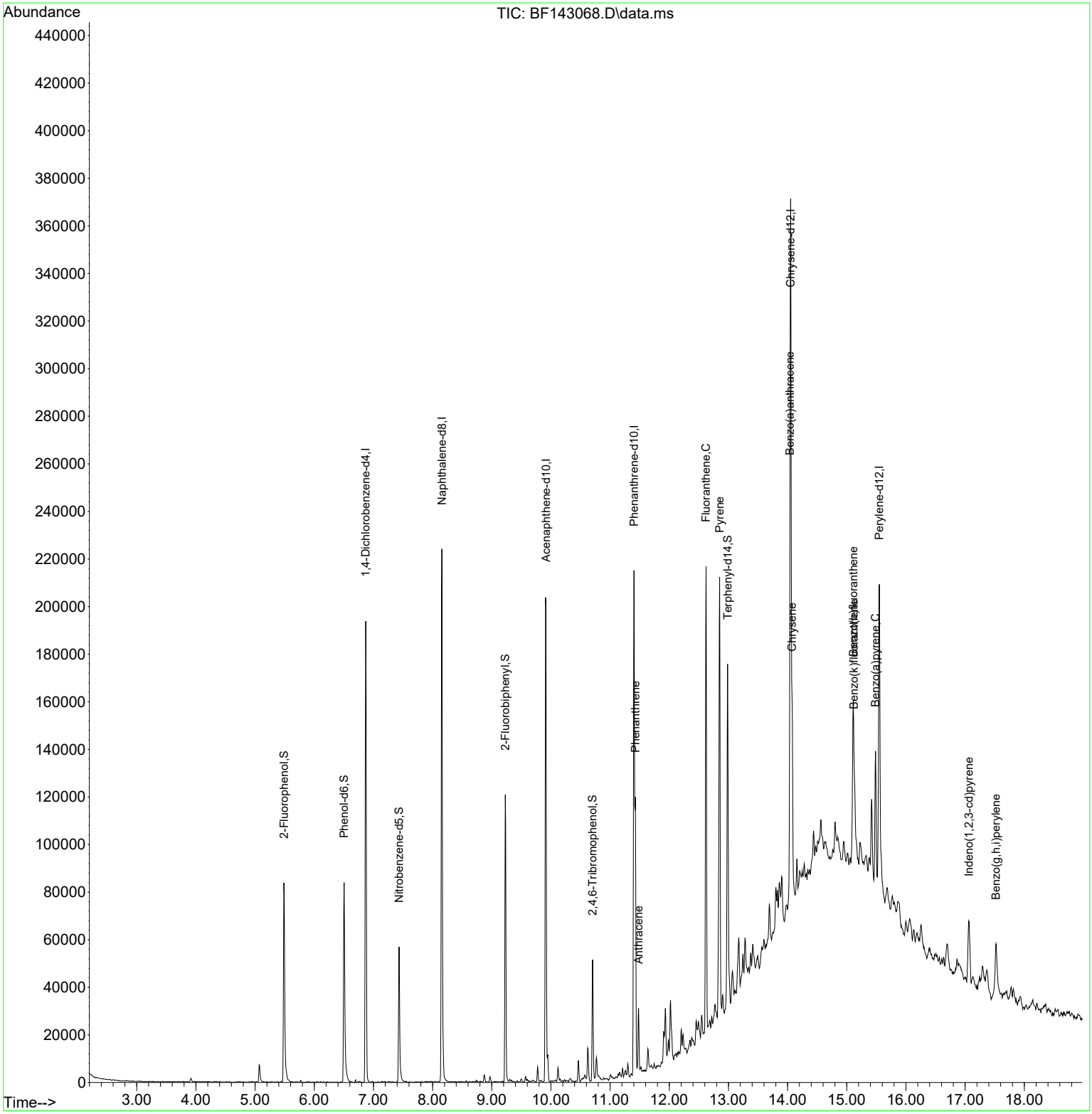
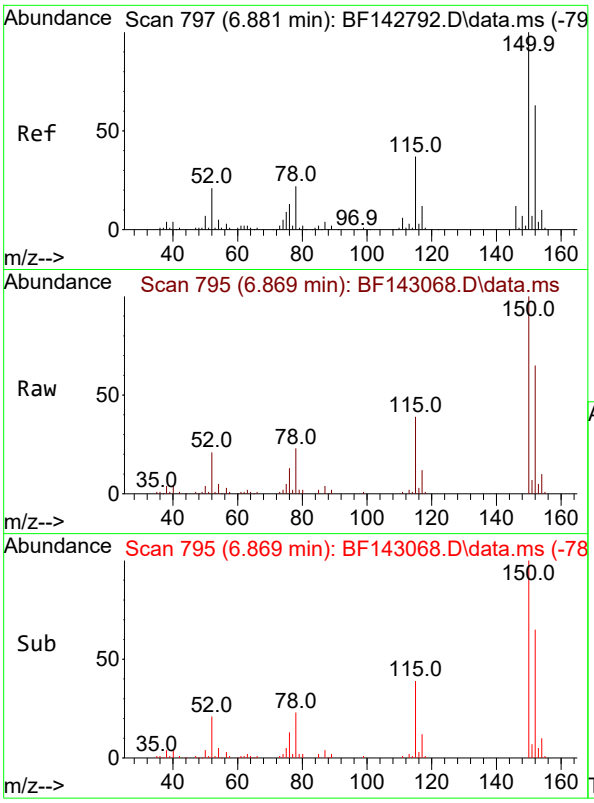


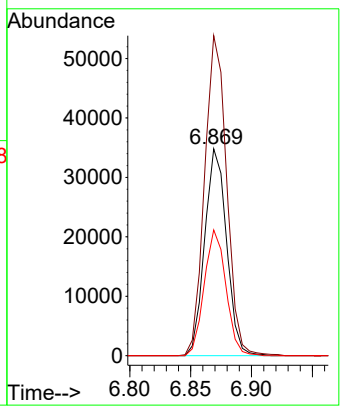


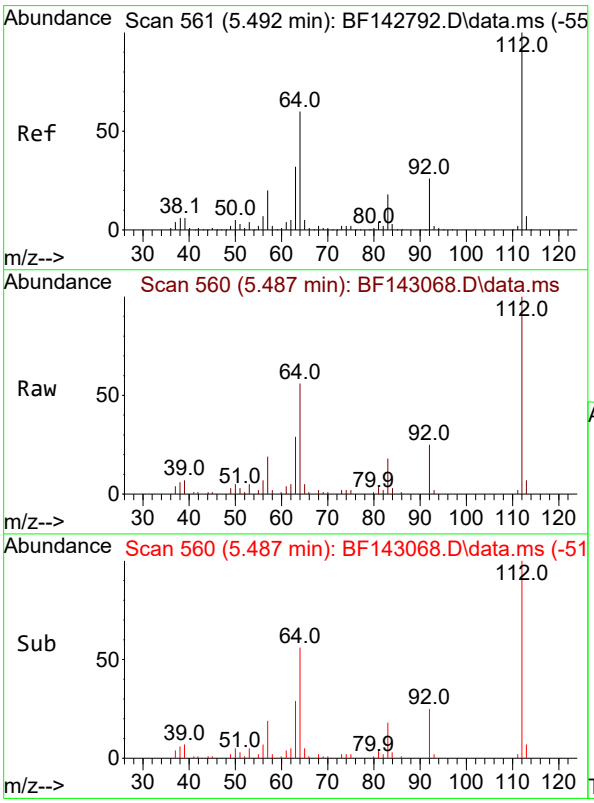
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion:152 Resp: 43463

Ion	Ratio	Lower	Upper
152	100		
150	154.6	127.2	190.8
115	60.8	46.6	69.8

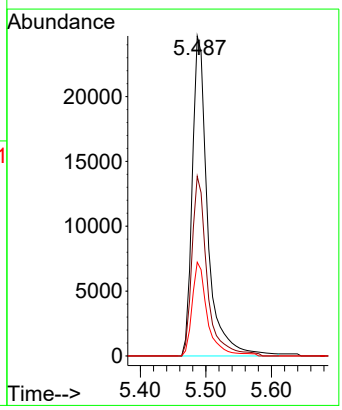


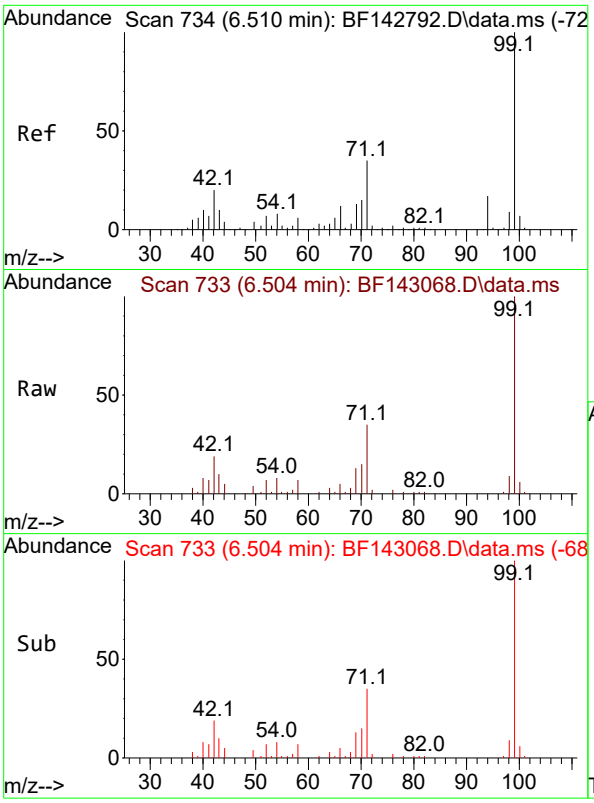


#5
2-Fluorophenol
Concen: 15.472 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:112 Resp: 40390

Ion	Ratio	Lower	Upper
112	100		
64	56.2	48.2	72.2
63	29.3	25.7	38.5



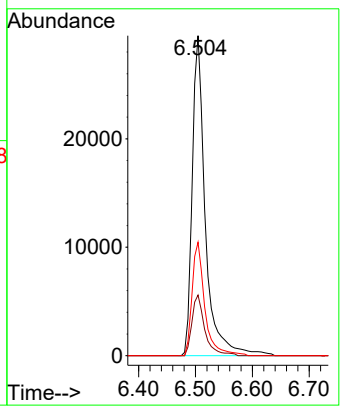


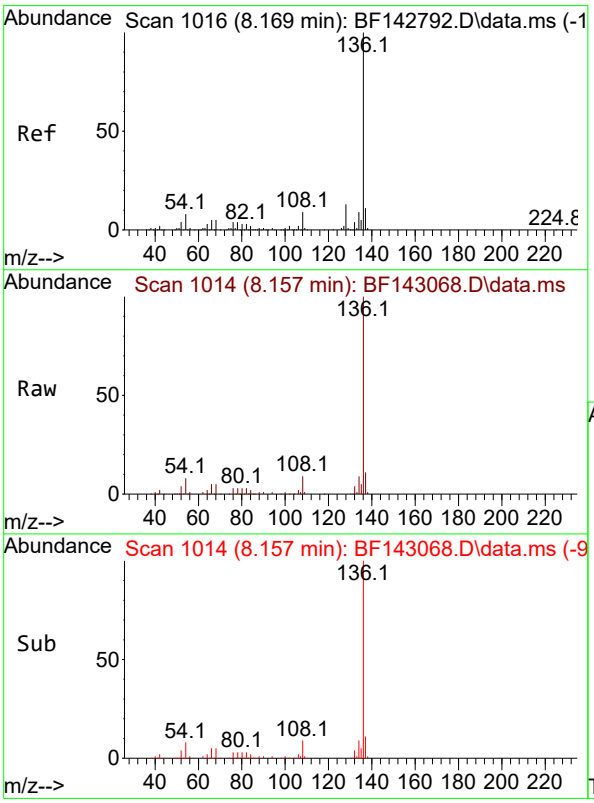
#7
Phenol-d6
Concen: 15.429 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion: 99 Resp: 47521

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.9	23.9
71	35.5	27.8	41.8

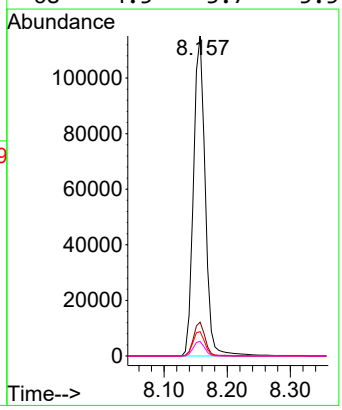


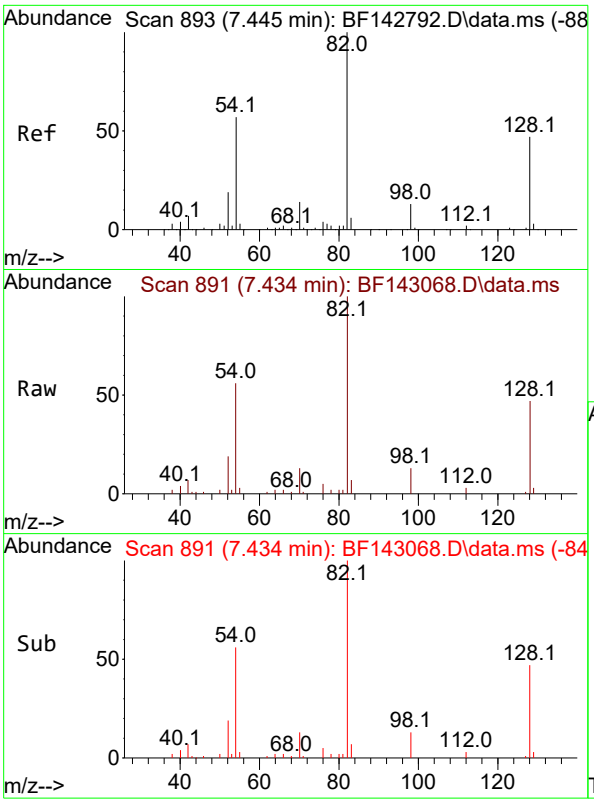


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:136 Resp: 148519

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.6	6.3	9.5
68	4.5	3.7	5.5



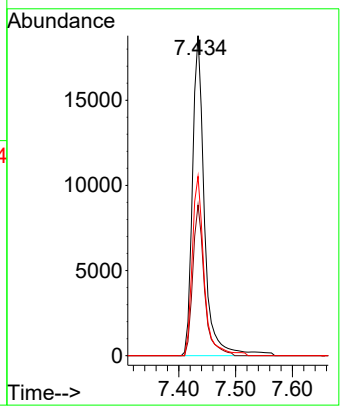


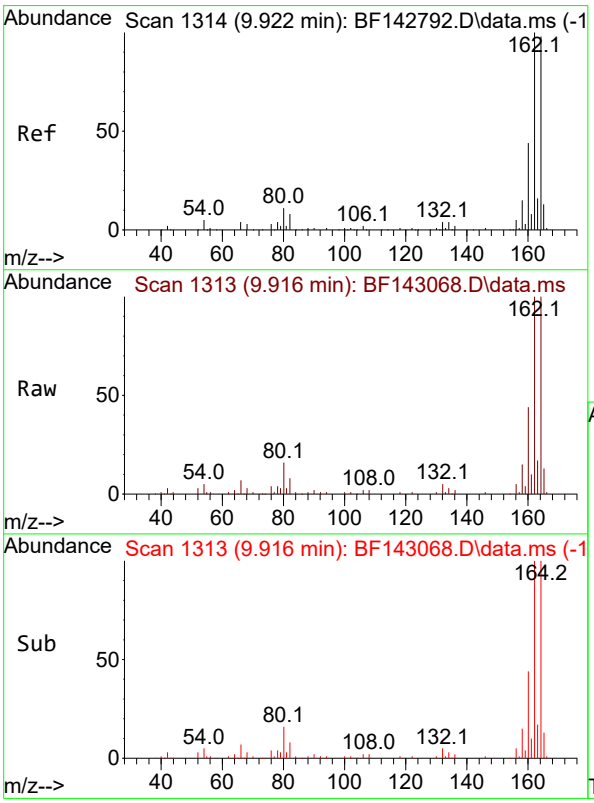
#23
Nitrobenzene-d5
Concen: 10.239 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion: 82 Resp: 27724

Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.7	56.5
54	56.1	45.7	68.5

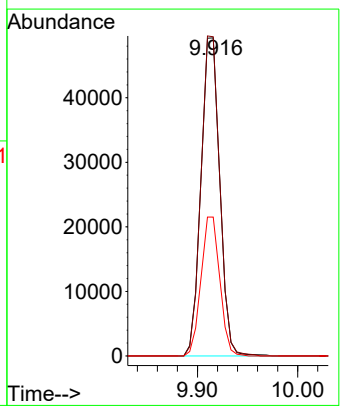


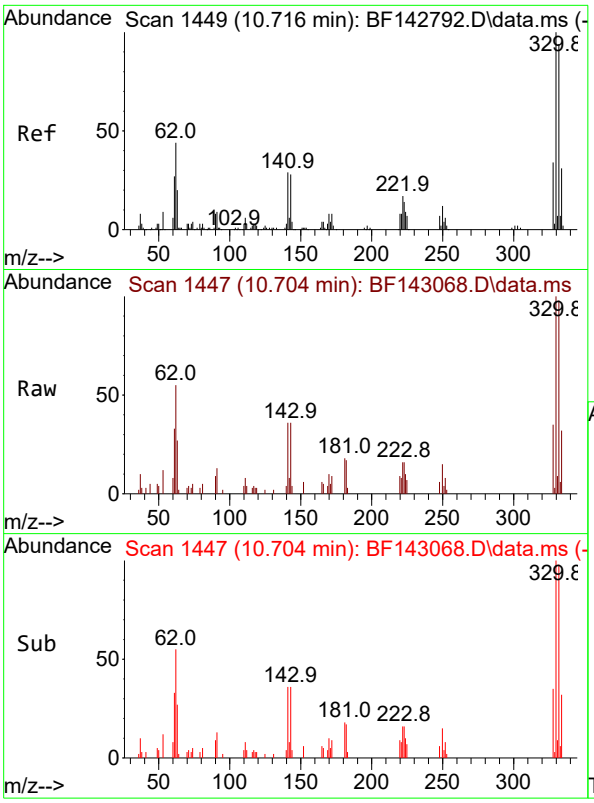


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:164 Resp: 64447

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.8	122.8
160	43.7	36.0	54.0



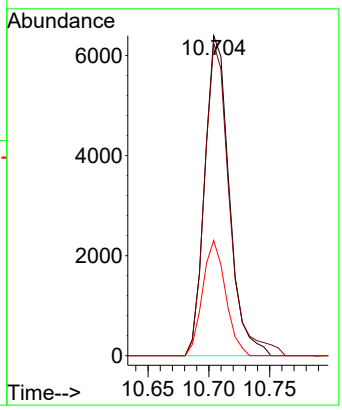


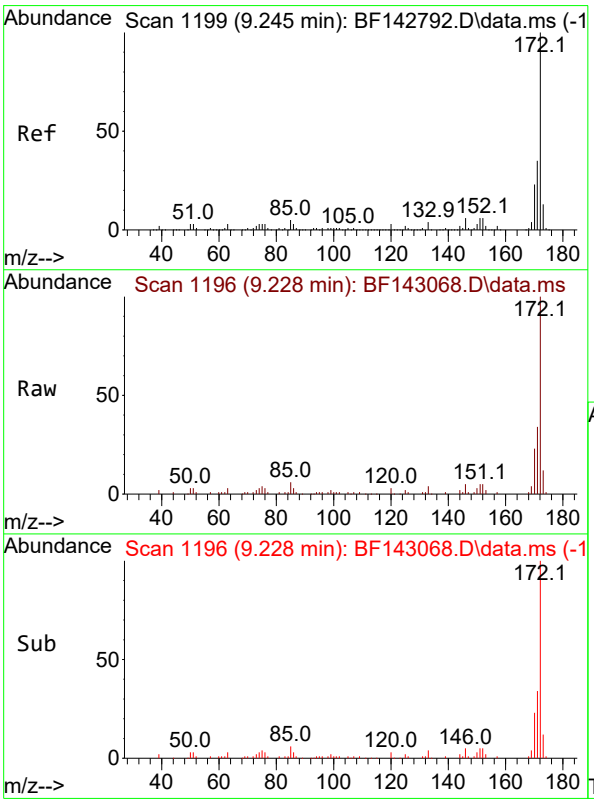
#42
2,4,6-Tribromophenol
Concen: 13.445 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion:330 Resp: 8917

Ion	Ratio	Lower	Upper
330	100		
332	99.4	75.0	112.6
141	33.9	25.3	37.9

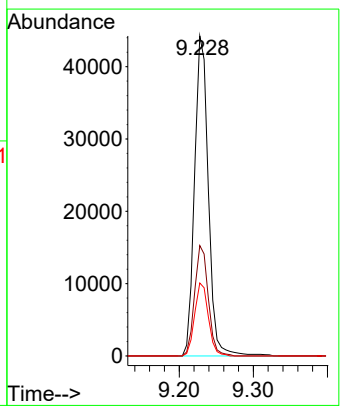


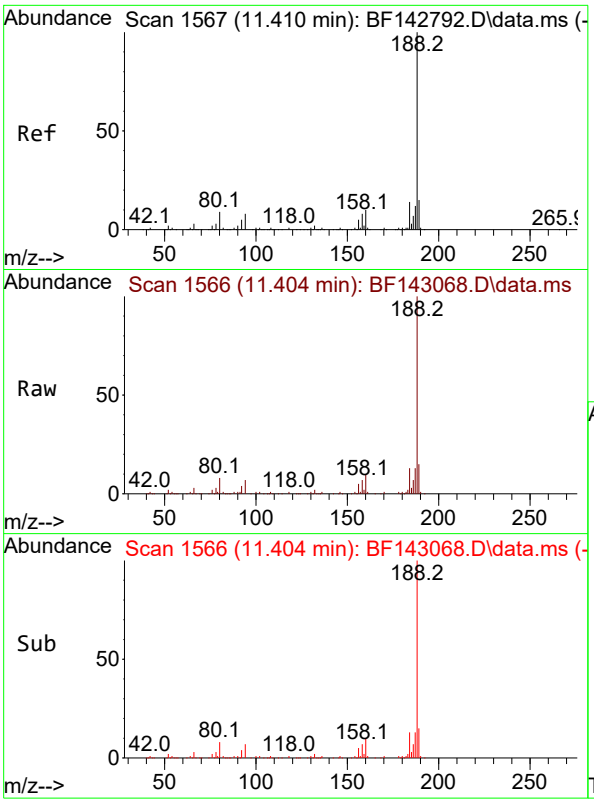


#45
2-Fluorobiphenyl
Concen: 11.668 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:172 Resp: 57244

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.2	42.4
170	22.8	18.5	27.7



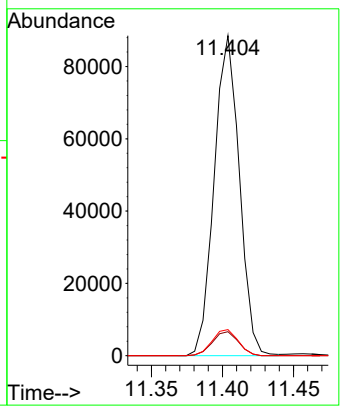


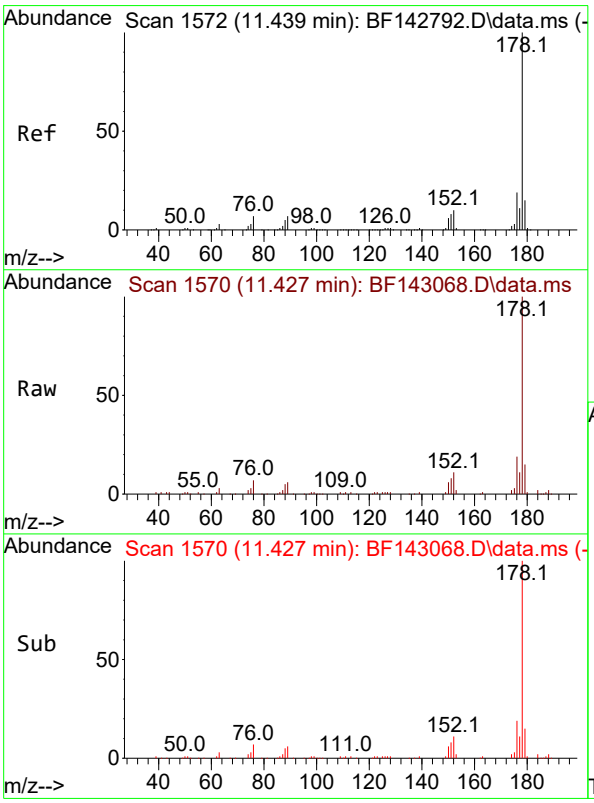
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion:188 Resp: 109030

Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	8.2	6.9	10.3

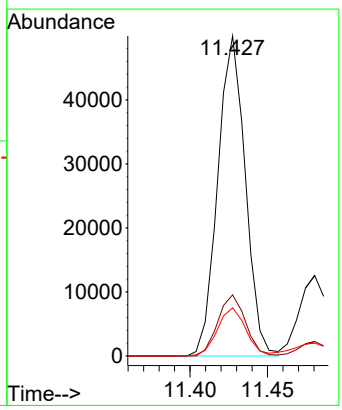


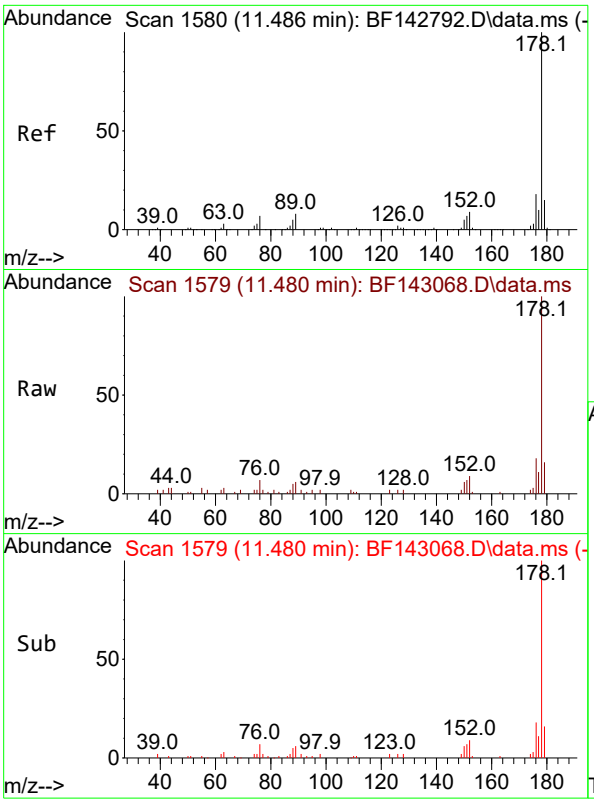


#71
Phenanthrene
Concen: 10.466 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:178 Resp: 61813

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.1	12.0	18.0



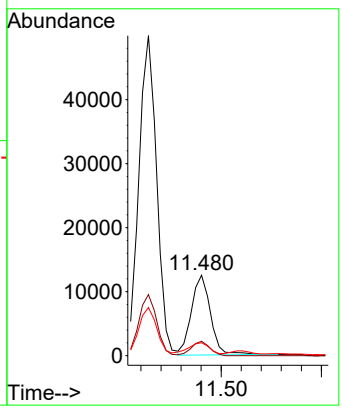


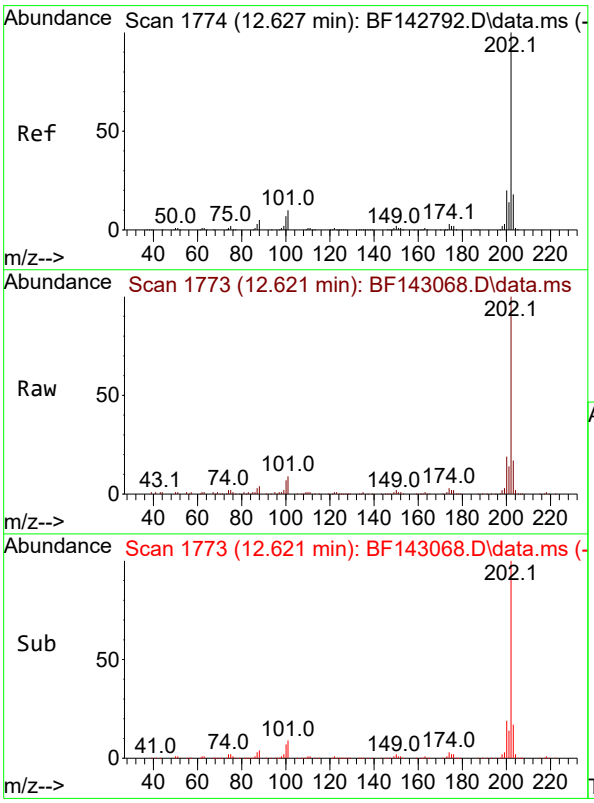
#72
Anthracene
Concen: 2.723 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion:178 Resp: 16496

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	21.8
179	16.2	12.4	18.6

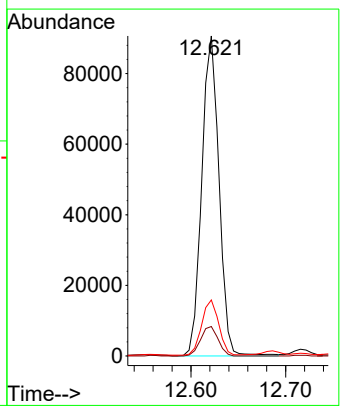


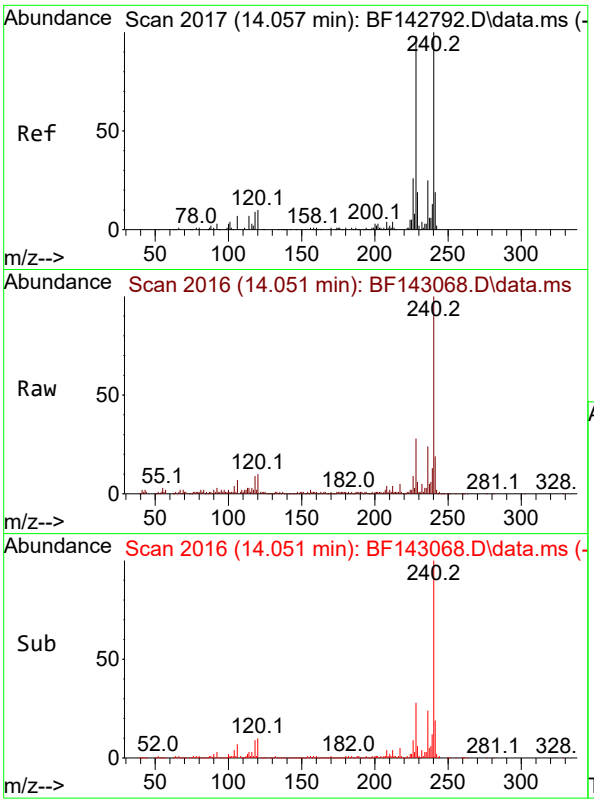


#75
Fluoranthene
Concen: 20.492 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:202 Resp: 114860

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.7
203	17.5	0.0	37.5



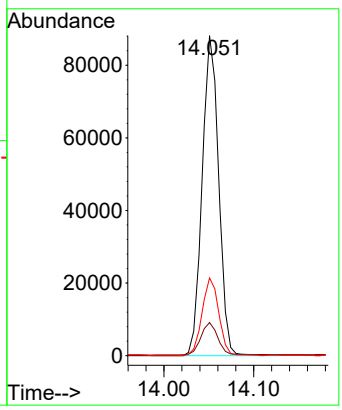


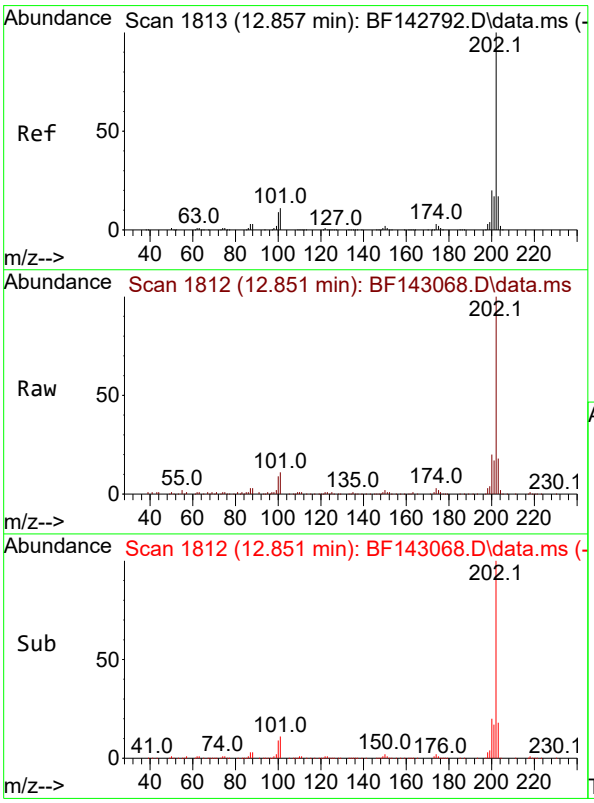
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion:240 Resp: 112715

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.2	12.2
236	24.3	19.8	29.8

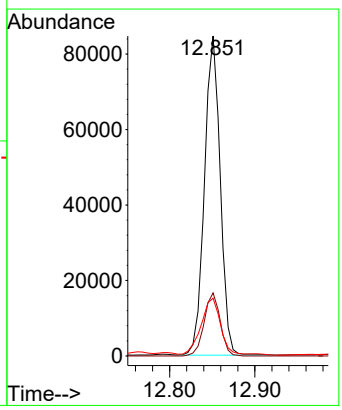


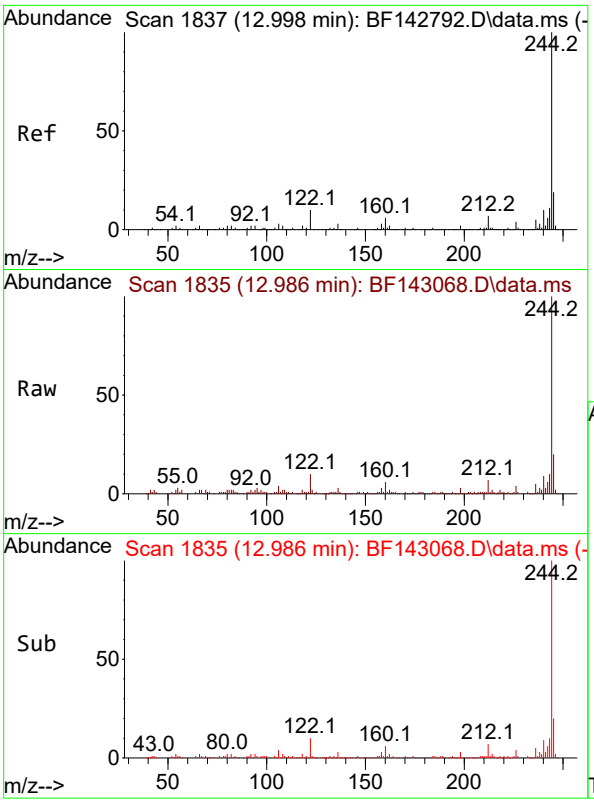


#78
Pyrene
Concen: 10.282 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:202 Resp: 108633

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	18.0	13.8	20.6



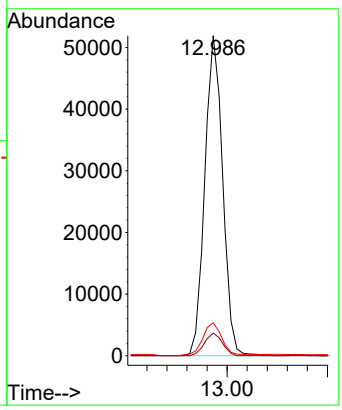


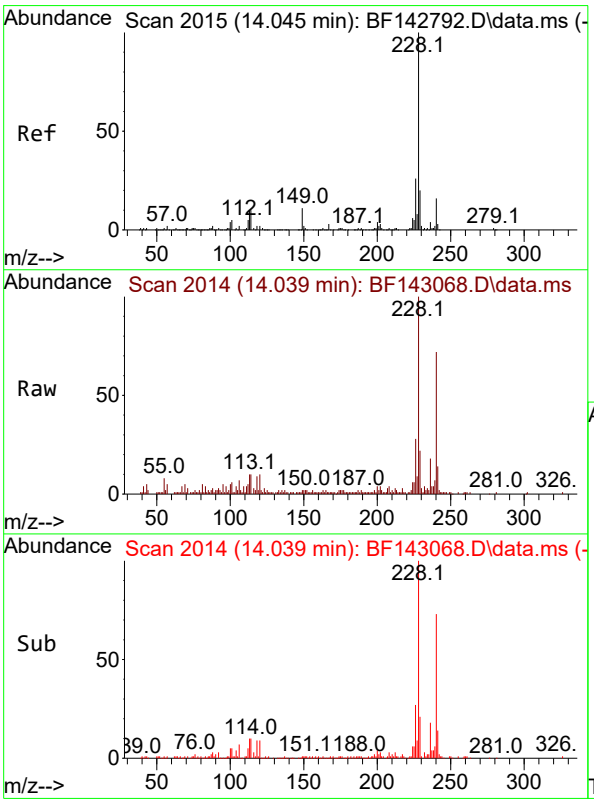
#79
Terphenyl-d14
Concen: 7.862 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion:244 Resp: 64134

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.3	8.2	12.2

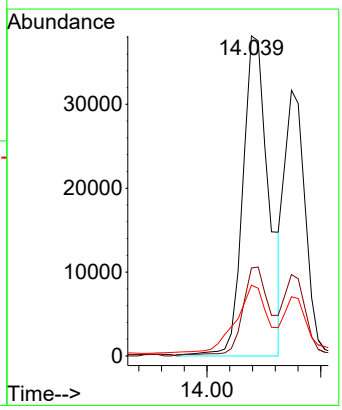


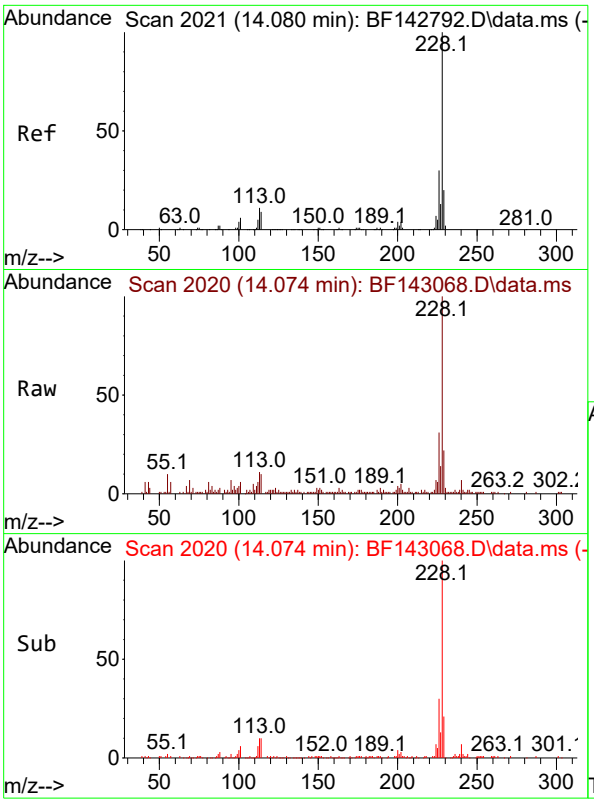


#81
Benzo(a)anthracene
Concen: 7.928 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:228 Resp: 60280

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.2	31.8
229	22.1	15.6	23.4



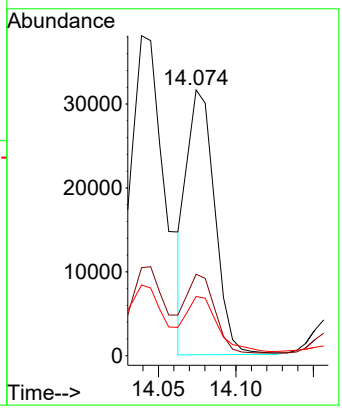


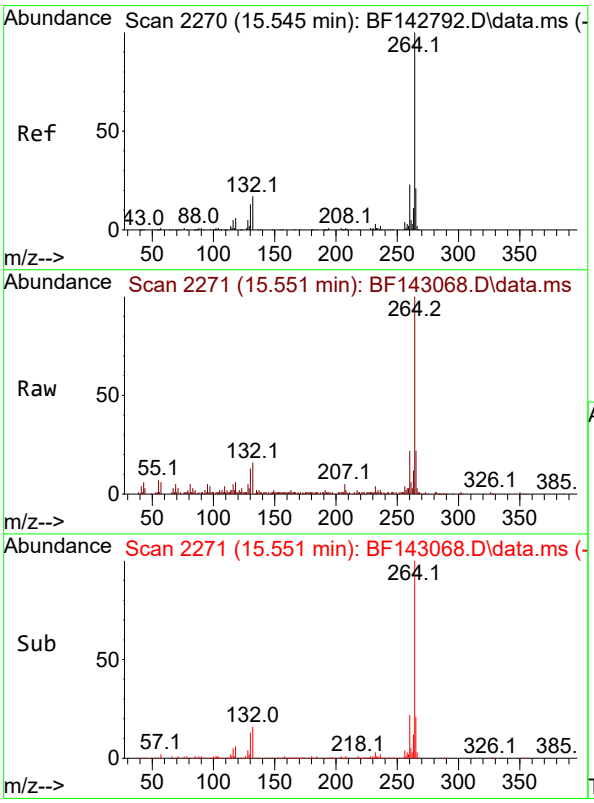
#83
Chrysene
Concen: 5.873 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion:228 Resp: 39851

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.7	35.5
229	22.3	15.7	23.5

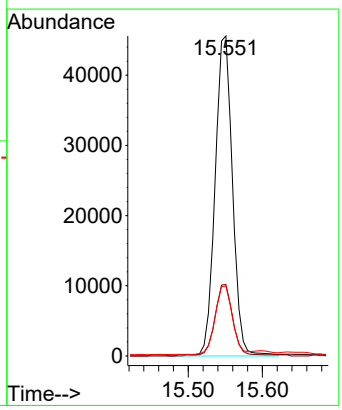


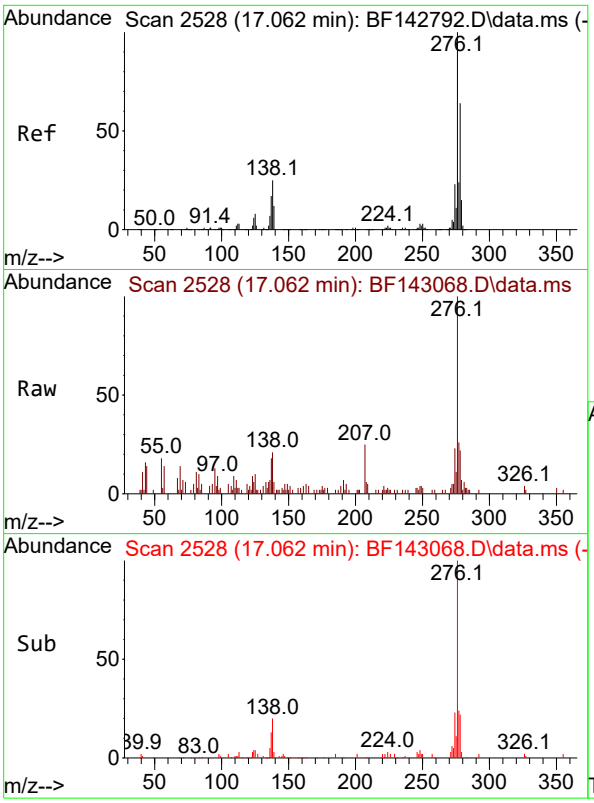


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:264 Resp: 74278

Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.1	27.1
265	21.8	16.6	25.0



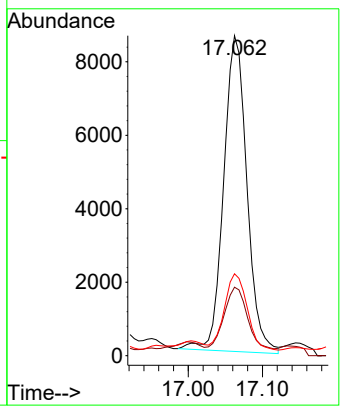


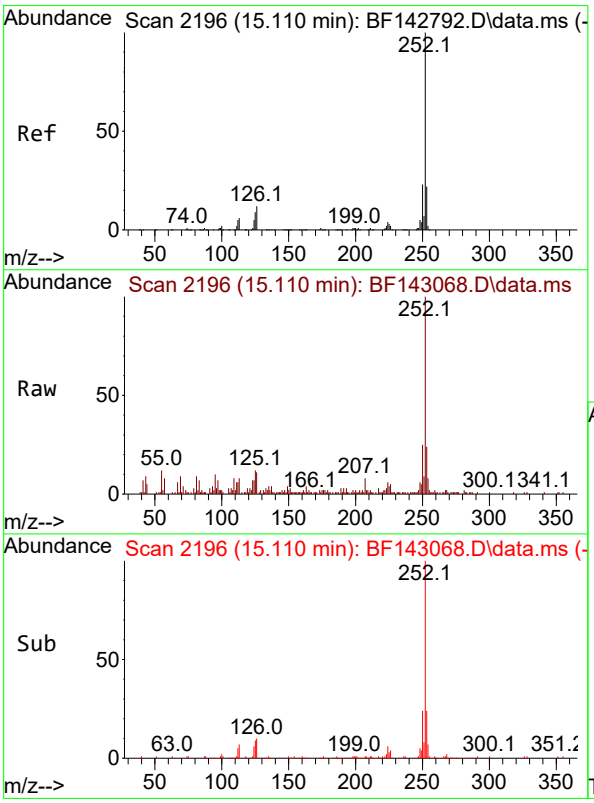
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.317 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion:276 Resp: 18765

Ion	Ratio	Lower	Upper
276	100		
138	23.3	20.2	30.4
277	24.5	19.8	29.6

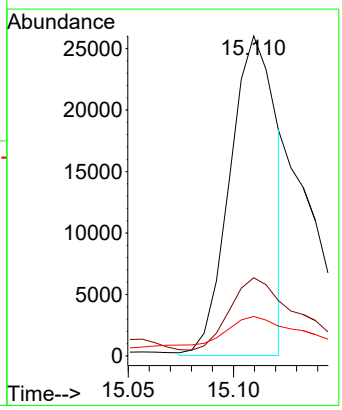


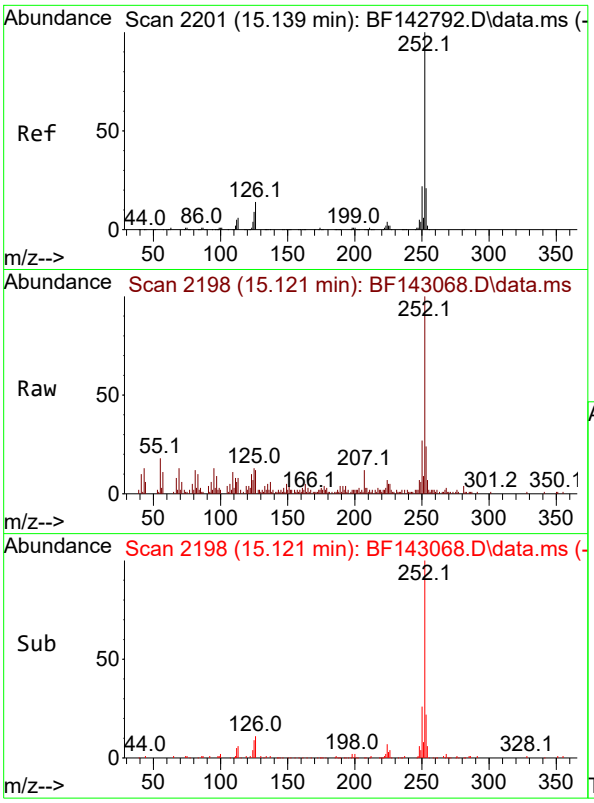


#88
Benzo(b)fluoranthene
Concen: 9.232 ng m
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:252 Resp: 39680

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	12.3	7.4	11.0#



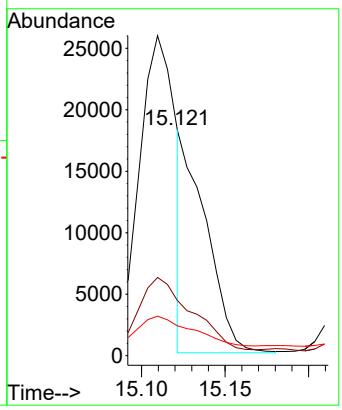


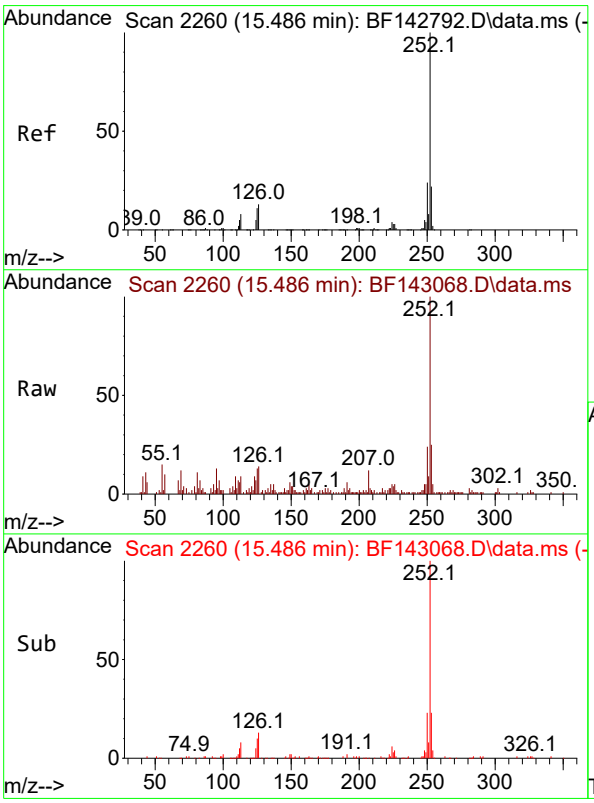
#89
Benzo(k)fluoranthene
Concen: 4.441 ng m
RT: 15.121 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion:252 Resp: 17859

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.2	25.8
125	13.3	7.4	11.2#

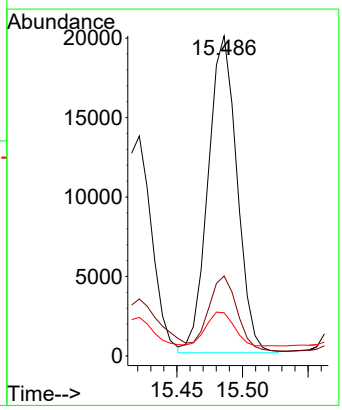


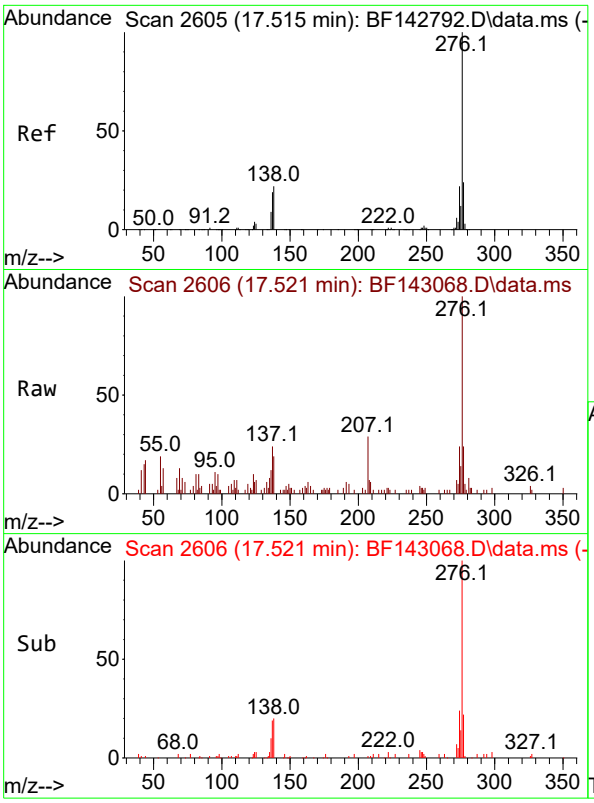


#90
Benzo(a)pyrene
Concen: 7.371 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:252 Resp: 30605

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.5	26.3
125	13.5	8.6	12.8#





#92
Benzo(g,h,i)perylene
Concen: 4.226 ng
RT: 17.521 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion:276 Resp: 19371

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	19.3	17.6	26.4