Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143009.D
Acq On : 07 Jul 2025 15:17
Operator : RC/JU
Sample : Q2487-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
G4(6-12)

Quant Time: Jul 07 16:08:22 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	56558	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	204687	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	100135	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	154869	20.000	ng	0.00
76) Chrysene-d12	14.051	240	114112	20.000	ng	0.00
86) Perylene-d12	15.545	264	133109	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	271693	79.980	ng	0.00
7) Phenol-d6	6.504	99	319506	79.720	ng	0.00
23) Nitrobenzene-d5	7.433	82	198632	53.228	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	82249	79.818	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	406950	53.388	ng	-0.01
79) Terphenyl-d14	12.986	244	329358	39.880	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.621	202	37767	4.744	ng	97
78) Pyrene	12.851	202	37174	3.475	ng	99
81) Benzo(a)anthracene	14.039	228	21713	2.821	ng	96
83) Chrysene	14.074	228	17745	2.583	ng	98
88) Benzo(b)fluoranthene	15.104	252	28536m	3.705	ng	
90) Benzo(a)pyrene	15.480	252	22145	2.976	ng	96

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

Quantitation Report (LSC Reviewed)

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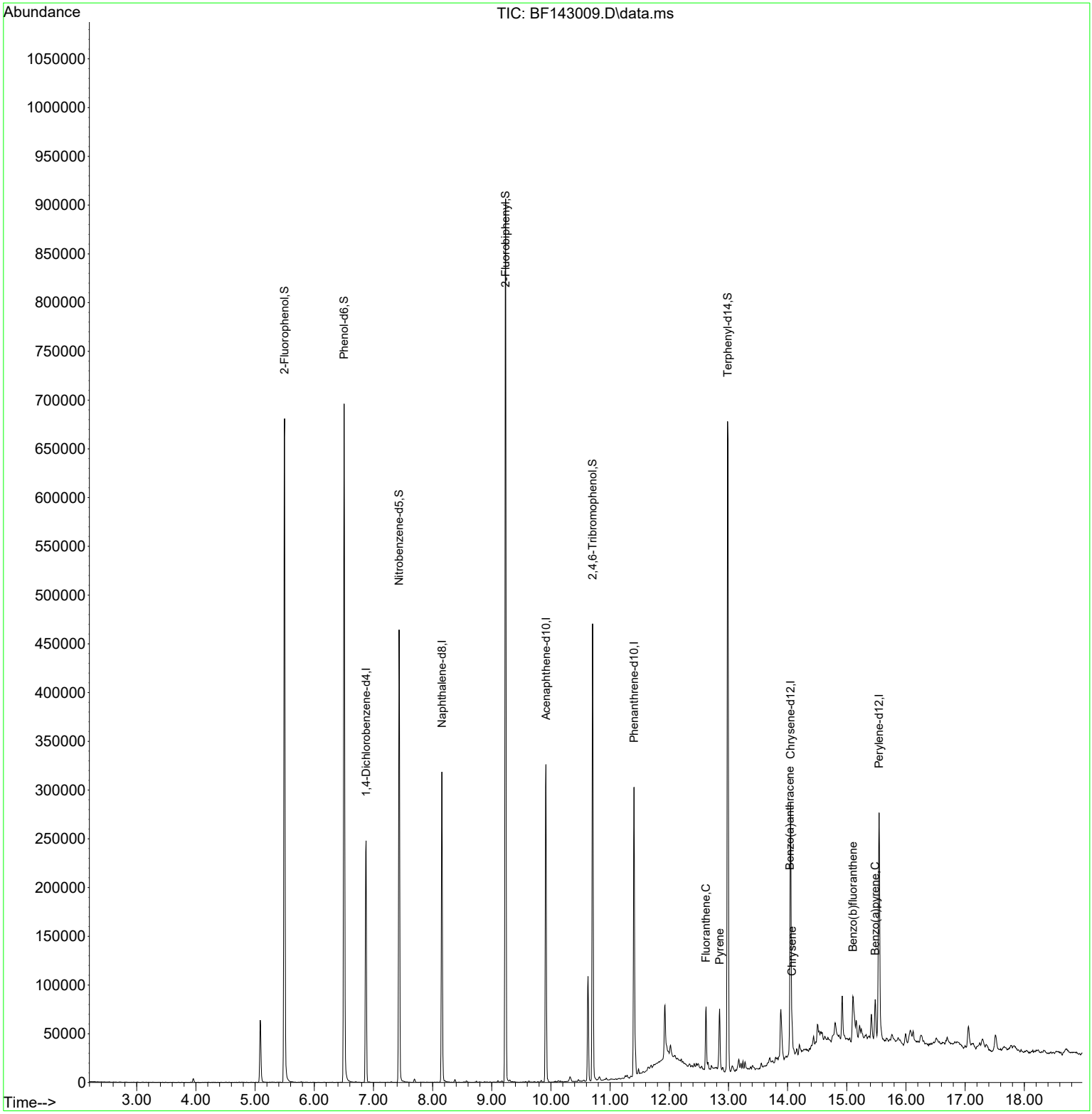
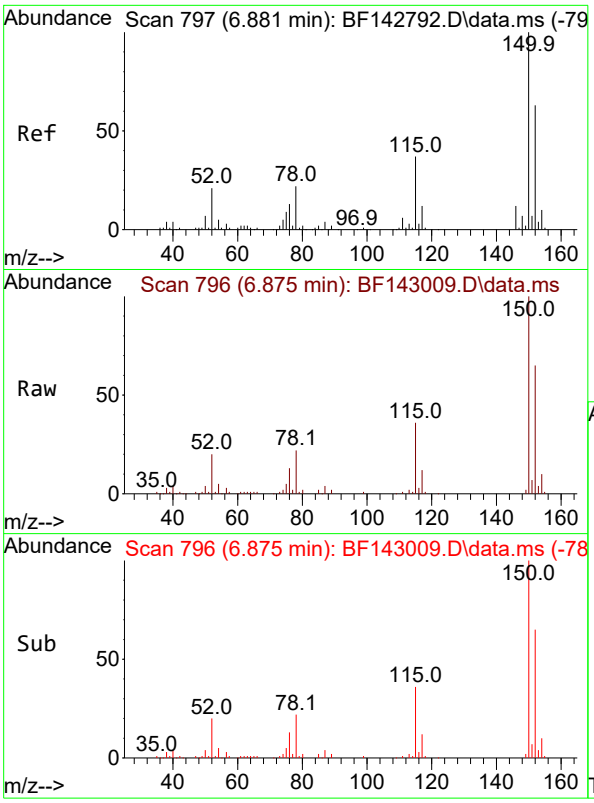


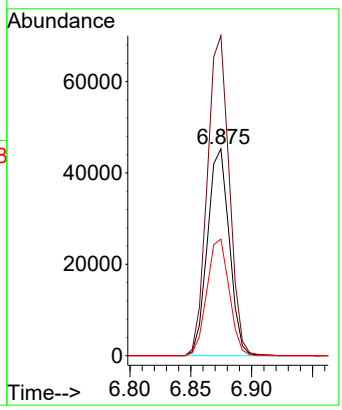


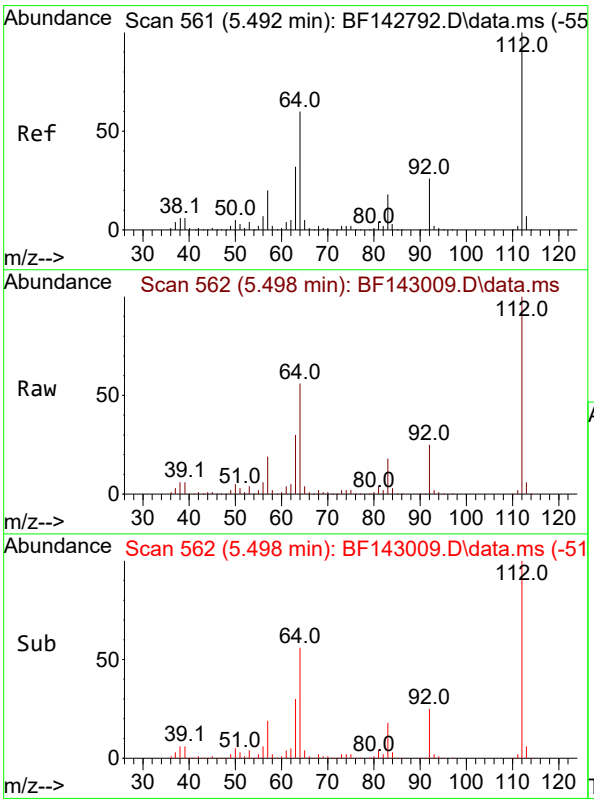
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
G4(6-12)

Tgt Ion:152 Resp: 56558

Ion	Ratio	Lower	Upper
152	100		
150	154.7	127.2	190.8
115	56.4	46.6	69.8

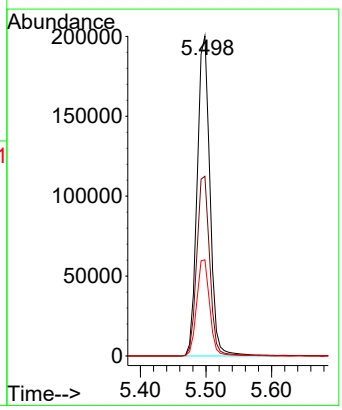


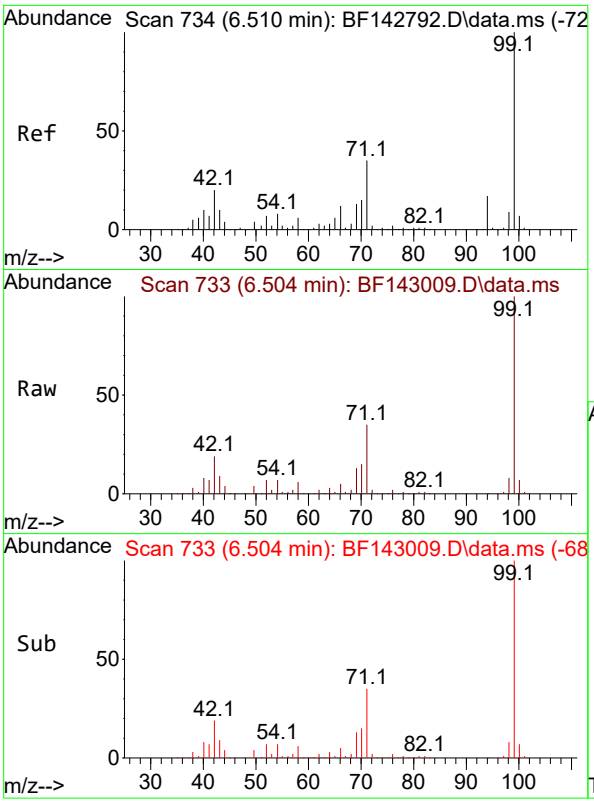


#5
2-Fluorophenol
Concen: 79.980 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion:112 Resp: 271693

Ion	Ratio	Lower	Upper
112	100		
64	56.2	48.2	72.2
63	30.0	25.7	38.5



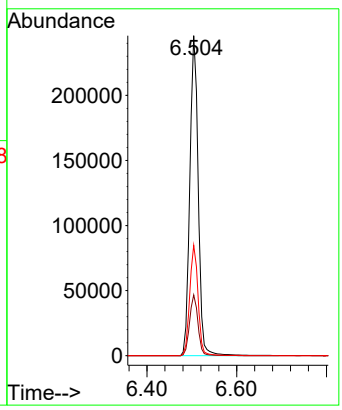


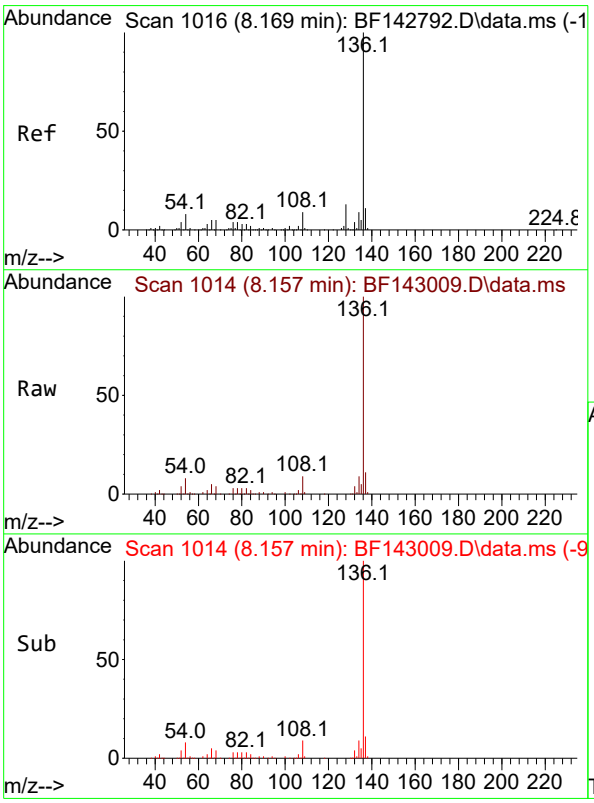
#7
Phenol-d6
Concen: 79.720 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
G4(6-12)

Tgt Ion: 99 Resp: 319506

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.9	23.9
71	34.5	27.8	41.8

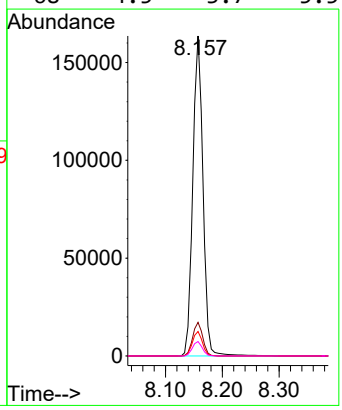


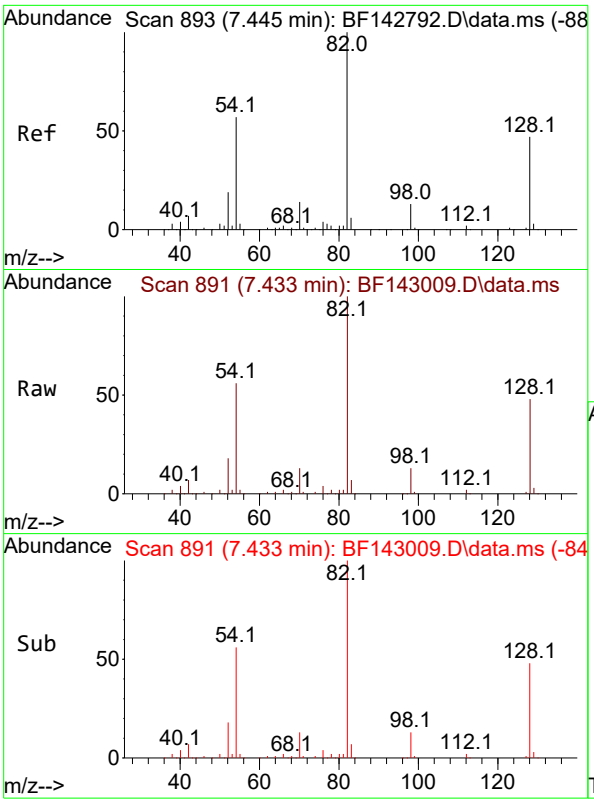


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion:136 Resp: 204687

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.6	6.3	9.5
68	4.5	3.7	5.5



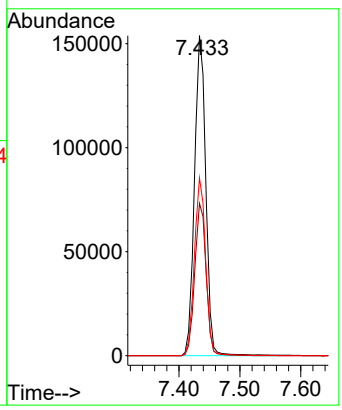


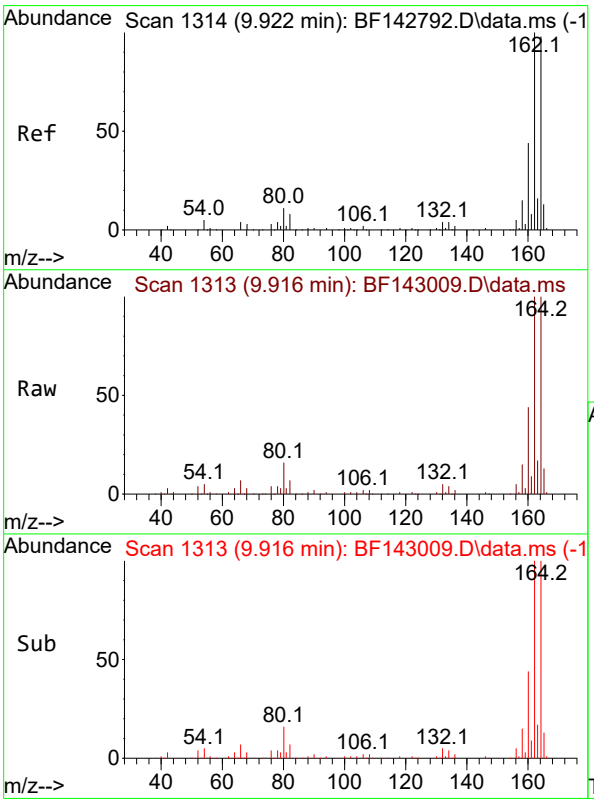
#23
Nitrobenzene-d5
Concen: 53.228 ng
RT: 7.433 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
G4(6-12)

Tgt Ion: 82 Resp: 198632

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.7	56.5
54	55.5	45.7	68.5

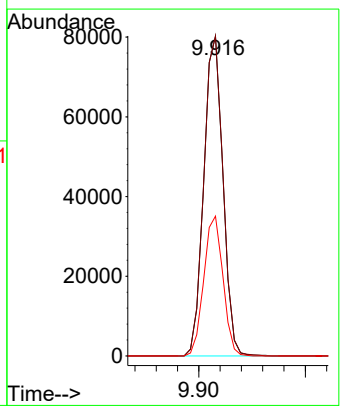


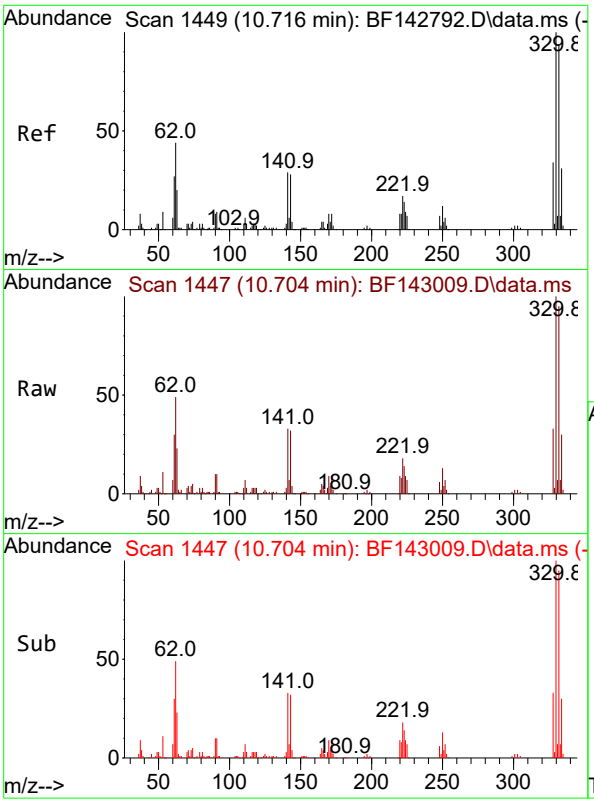


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion:164 Resp: 100135

Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.8	122.8
160	43.7	36.0	54.0



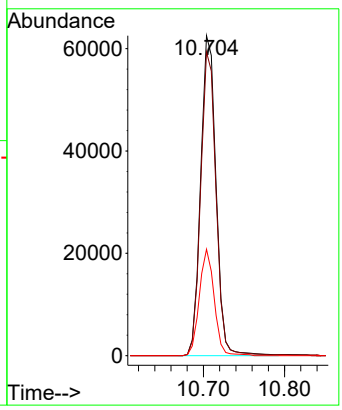


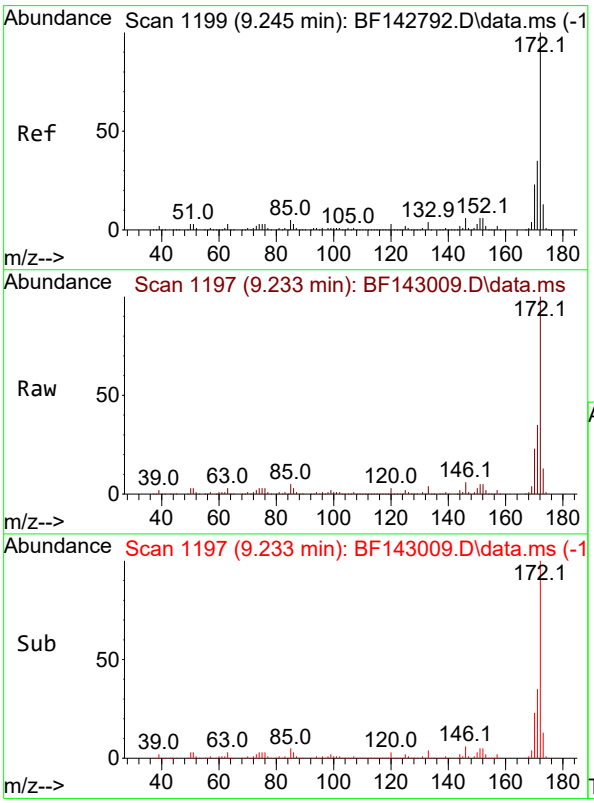
#42
2,4,6-Tribromophenol
Concen: 79.818 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
G4(6-12)

Tgt Ion:330 Resp: 82249

Ion	Ratio	Lower	Upper
330	100		
332	94.7	75.0	112.6
141	32.2	25.3	37.9

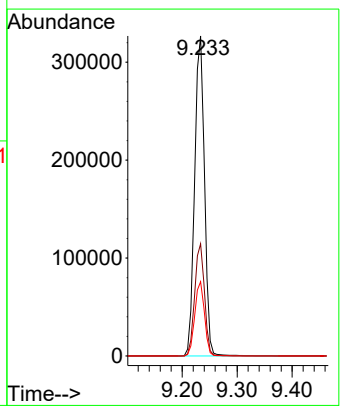


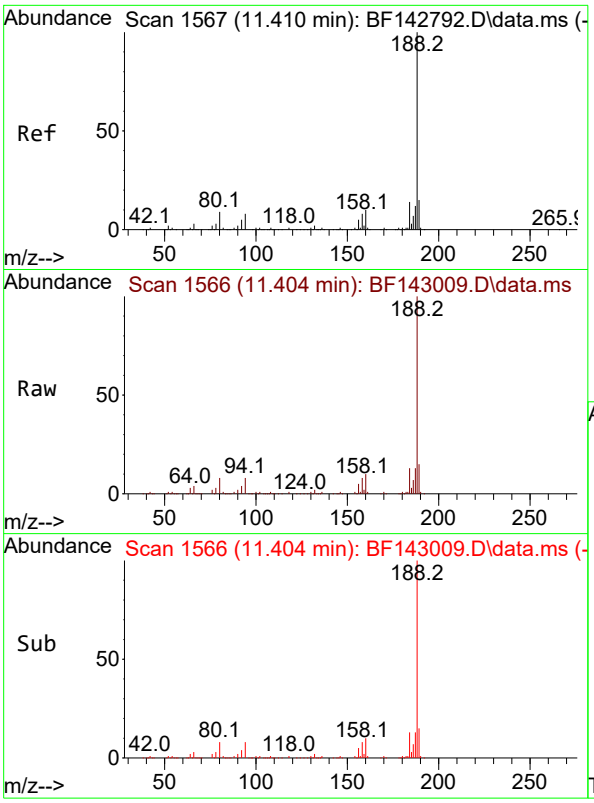


#45
2-Fluorobiphenyl
Concen: 53.388 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion:172 Resp: 406950

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	23.2	18.5	27.7



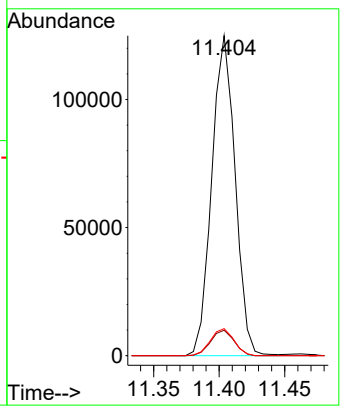


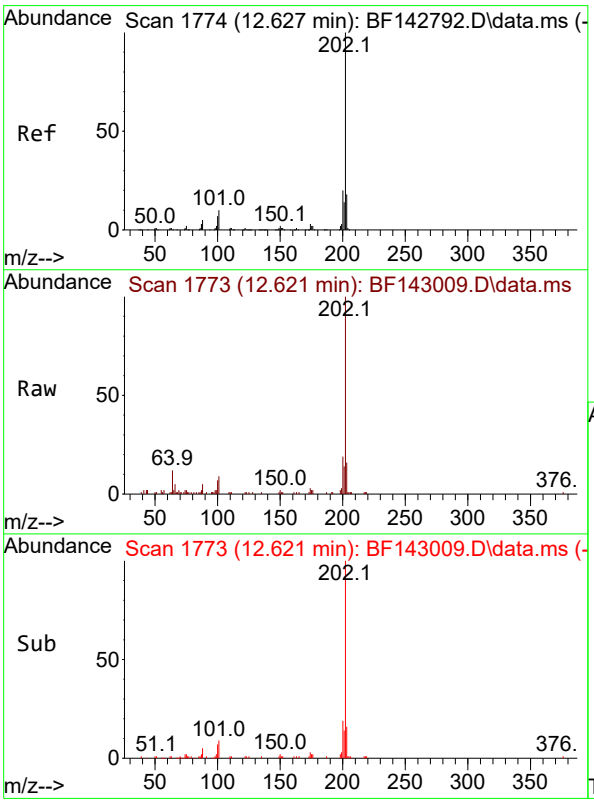
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
G4(6-12)

Tgt Ion:188 Resp: 154869

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	8.4	6.9	10.3

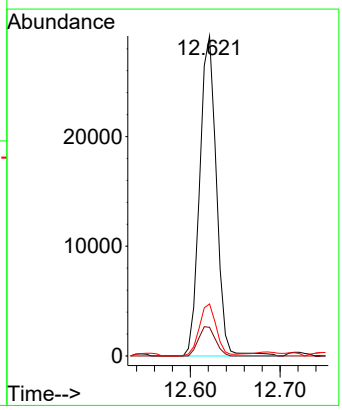


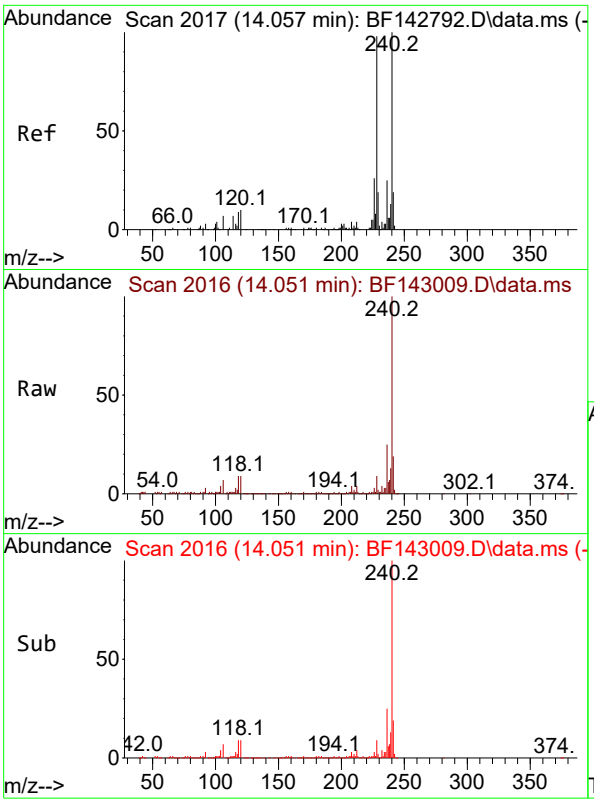


#75
Fluoranthene
Concen: 4.744 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion:202 Resp: 37767

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	29.7
203	16.2	0.0	37.5



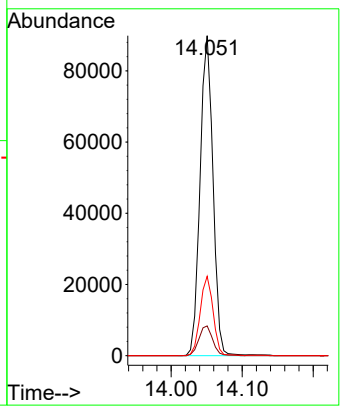


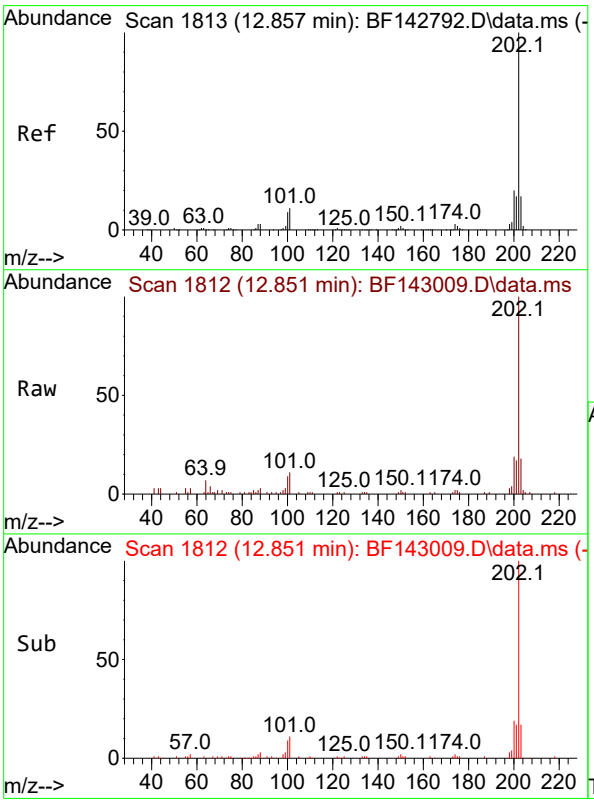
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
G4(6-12)

Tgt Ion:240 Resp: 114112

Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.2	12.2
236	24.8	19.8	29.8

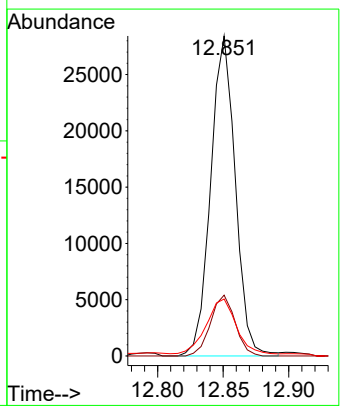


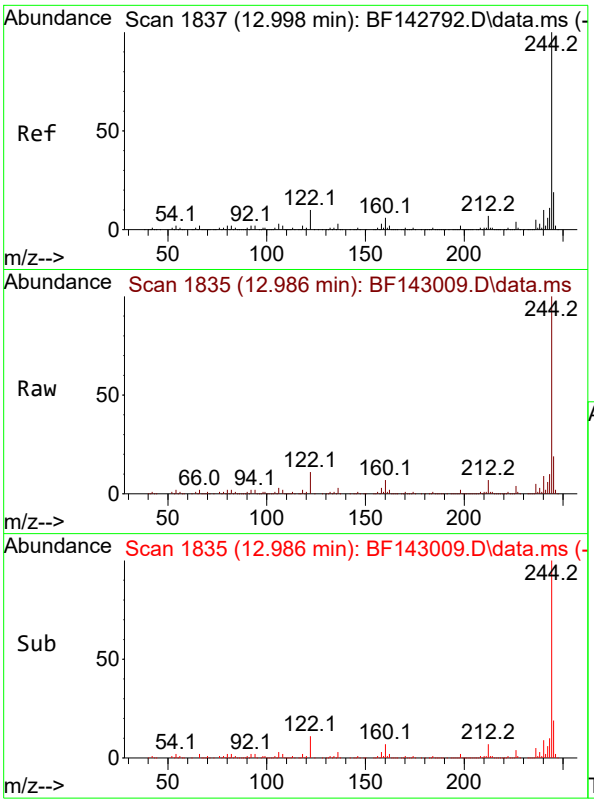


#78
Pyrene
Concen: 3.475 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion:202 Resp: 37174

Ion	Ratio	Lower	Upper
202	100		
200	19.0	15.7	23.5
203	17.8	13.8	20.6



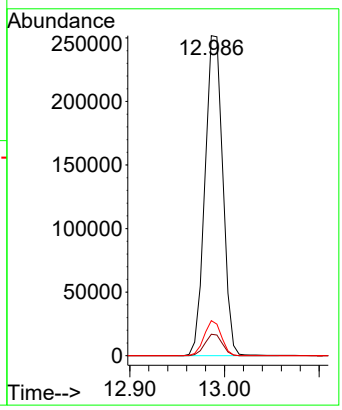


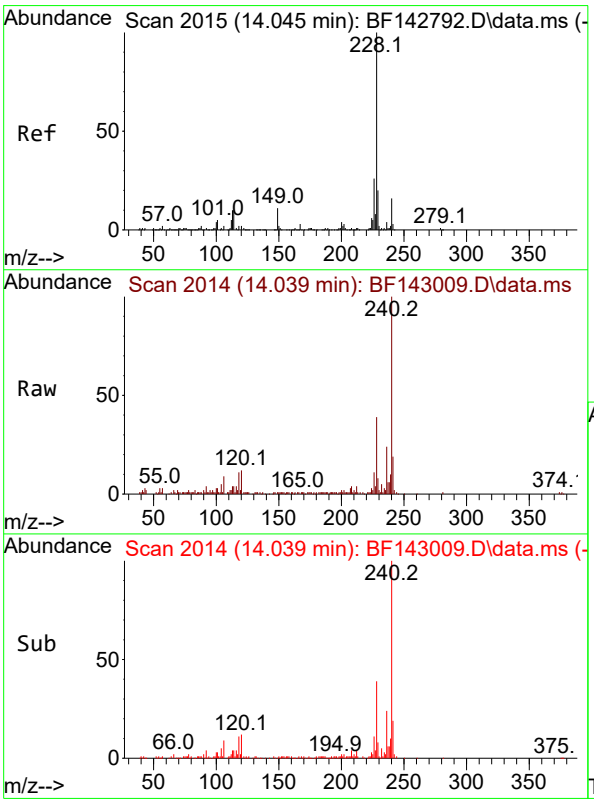
#79
Terphenyl-d14
Concen: 39.880 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
G4(6-12)

Tgt Ion:244 Resp: 329358

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.0	8.2	12.2

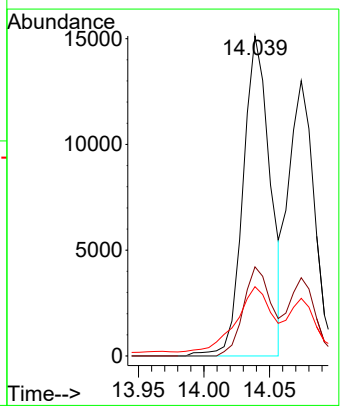


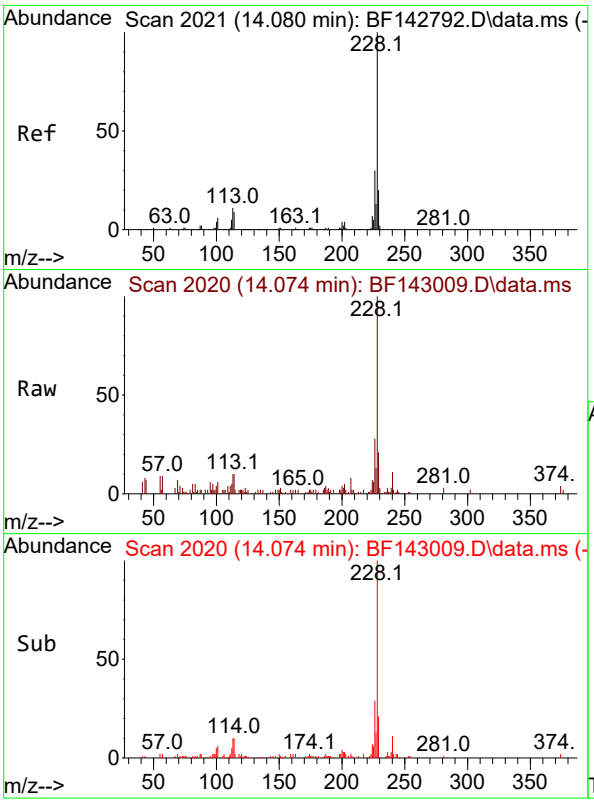


#81
Benzo(a)anthracene
Concen: 2.821 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion:228 Resp: 21713

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.2	31.8
229	21.7	15.6	23.4



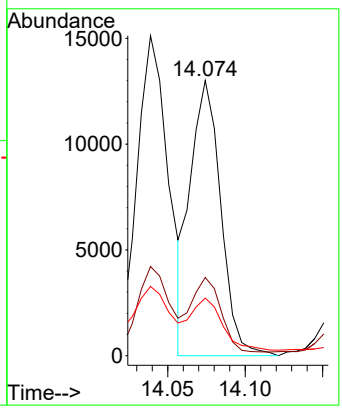


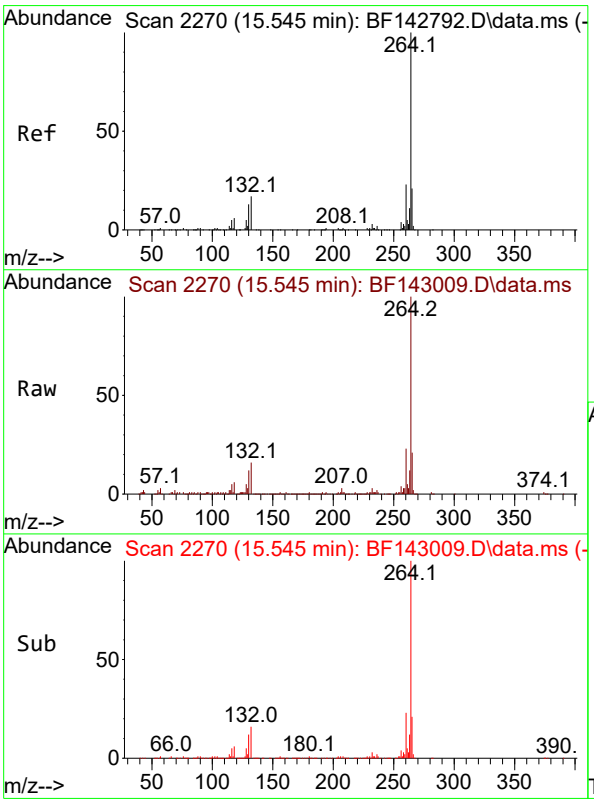
#83
Chrysene
Concen: 2.583 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
G4(6-12)

Tgt Ion:228 Resp: 17745

Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.7	35.5
229	20.9	15.7	23.5

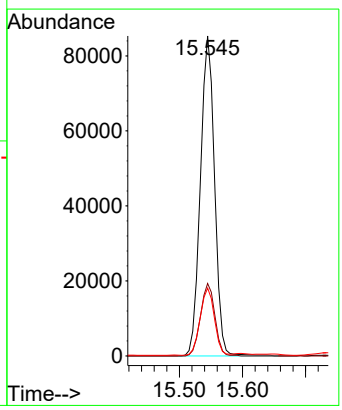


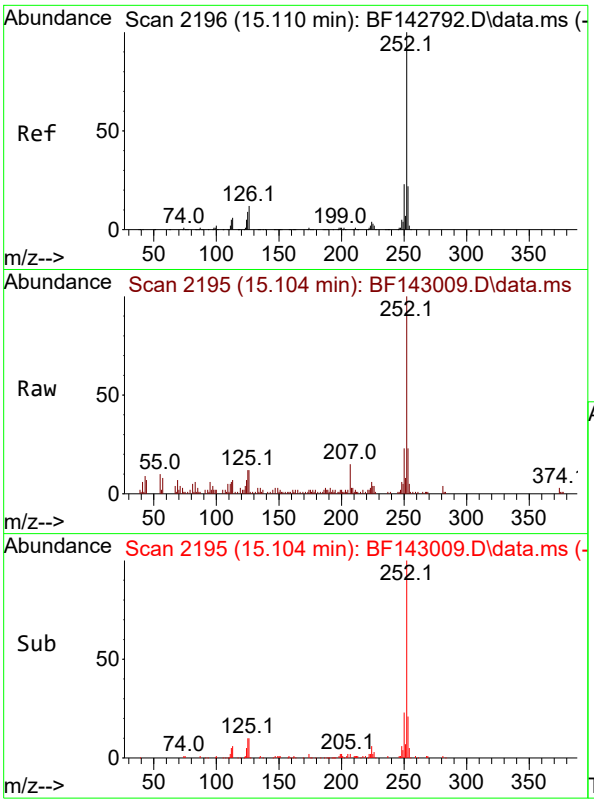


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion:264 Resp: 133109

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.1	27.1
265	21.2	16.6	25.0



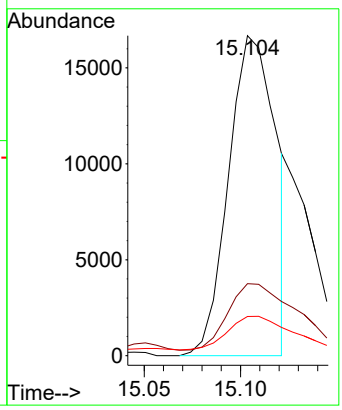


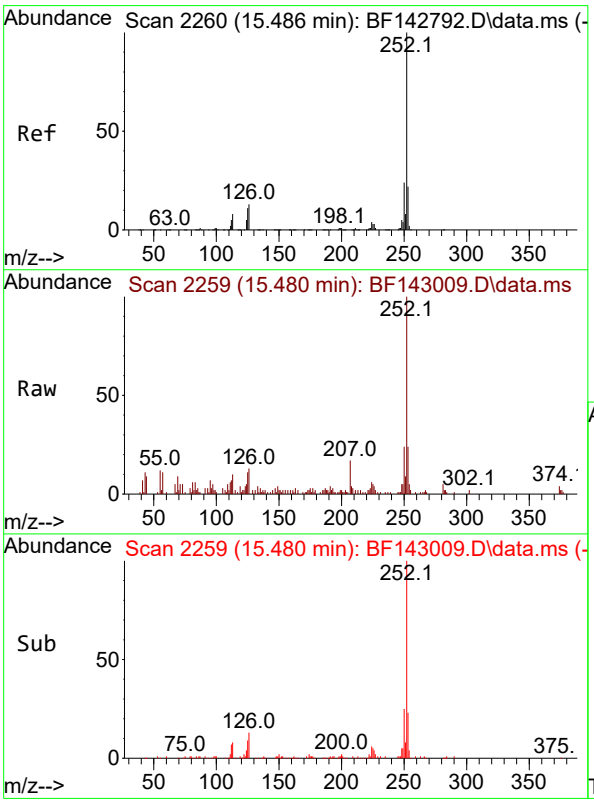
#88
Benzo(b)fluoranthene
Concen: 3.705 ng m
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
G4(6-12)

Tgt Ion:252 Resp: 28536

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	12.3	7.4	11.0#





#90
Benzo(a)pyrene
Concen: 2.976 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion:252 Resp: 22145

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	11.0	8.6	12.8