Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120325\
Data File : BF144419.D
Acq On : 03 Dec 2025 15:07
Operator : RC/JU
Sample : Q3741-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Quant Time: Dec 03 15:26:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.863	152	81142	20.000	ng		-0.01
21) Naphthalene-d8	8.145	136	286107	20.000	ng		-0.01
39) Acenaphthene-d10	9.904	164	142110	20.000	ng		-0.01
64) Phenanthrene-d10	11.392	188	237809	20.000	ng		-0.01
76) Chrysene-d12	14.045	240	247413	20.000	ng		0.00
86) Perylene-d12	15.527	264	282719	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	203776	39.299	ng		0.00
7) Phenol-d6	6.498	99	226284	38.515	ng		0.00
23) Nitrobenzene-d5	7.422	82	139540	28.168	ng		-0.01
42) 2,4,6-Tribromophenol	10.692	330	60972	34.190	ng		-0.01
45) 2-Fluorobiphenyl	9.216	172	298024	30.973	ng		-0.01
79) Terphenyl-d14	12.980	244	349952	22.467	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	11.416	178	23905	2.019	ng		96
75) Fluoranthene	12.610	202	42014	3.435	ng		97
78) Pyrene	12.839	202	44194	2.215	ng		96
81) Benzo(a)anthracene	14.033	228	50440	2.942	ng	#	93
83) Chrysene	14.069	228	42989	2.716	ng	#	93
87) Indeno(1,2,3-cd)pyrene	17.021	276	51542	2.540	ng		98
88) Benzo(b)fluoranthene	15.092	252	98106m	6.104	ng		
89) Benzo(k)fluoranthene	15.110	252	31309m	2.081	ng		
90) Benzo(a)pyrene	15.463	252	86242	5.816	ng	#	93
92) Benzo(g,h,i)perylene	17.480	276	49390	3.069	ng		98

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120325\
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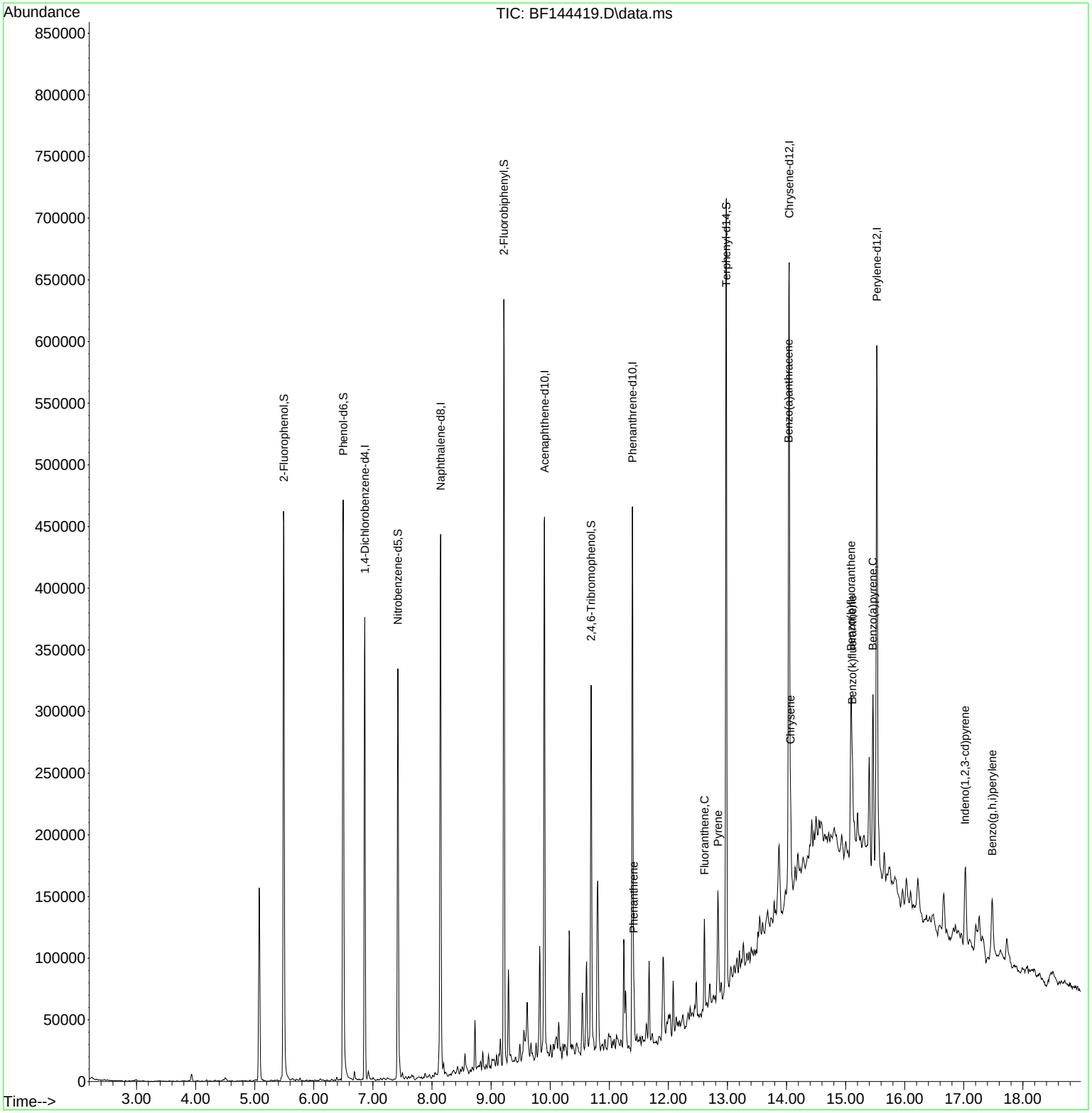
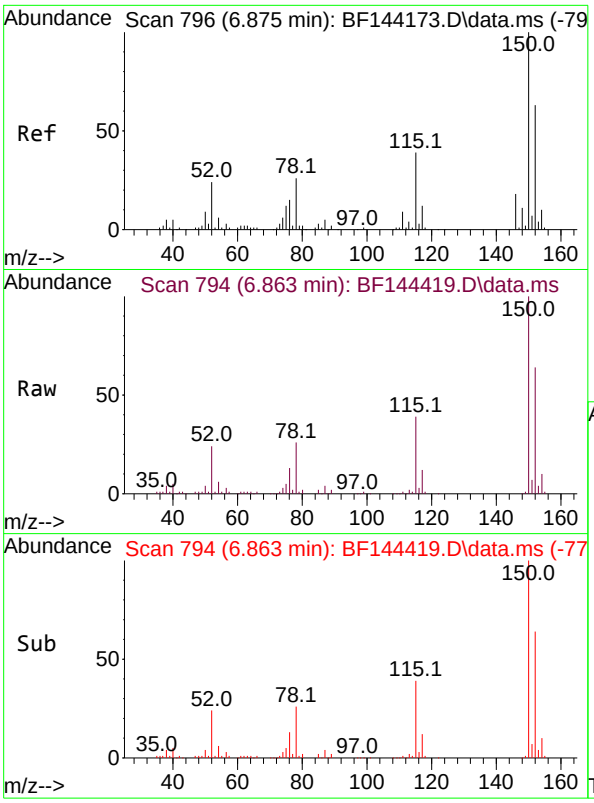
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



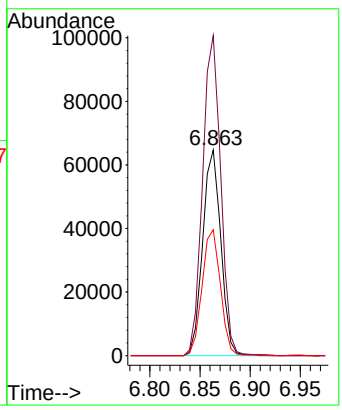


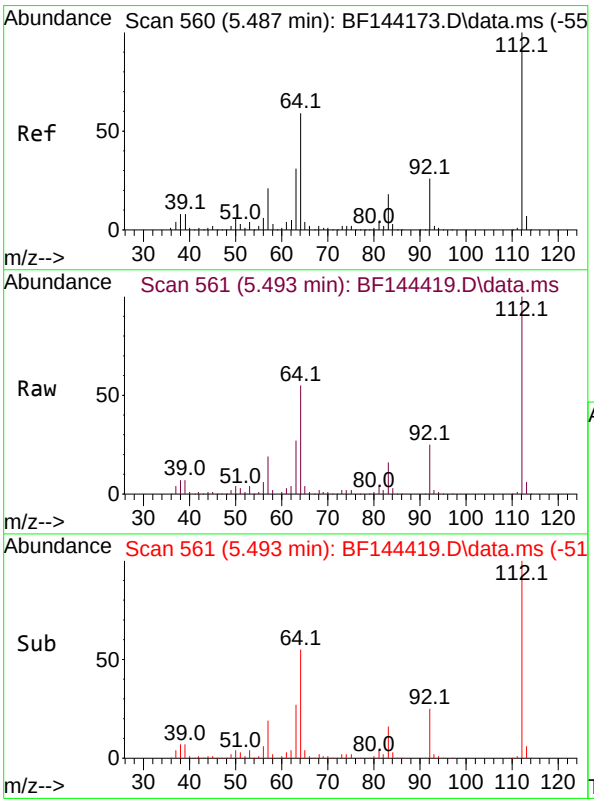
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion:152 Resp: 81142

Ion	Ratio	Lower	Upper
152	100		
150	155.6	127.4	191.0
115	61.2	49.5	74.3

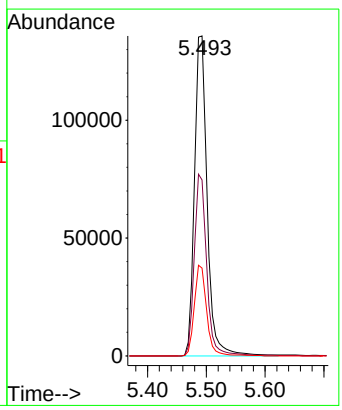


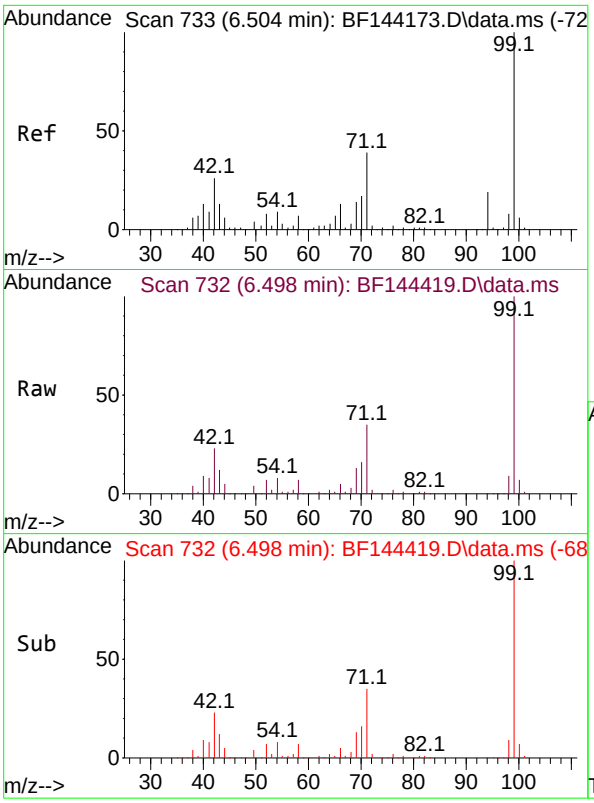


#5
2-Fluorophenol
Concen: 39.299 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:112 Resp: 203776

Ion	Ratio	Lower	Upper
112	100		
64	55.0	47.2	70.8
63	27.4	24.4	36.6



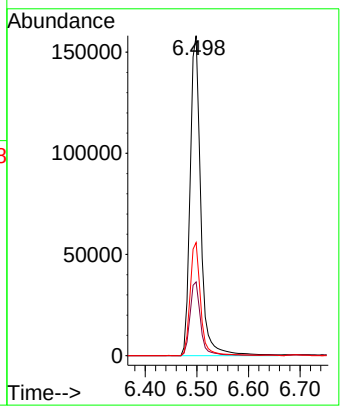


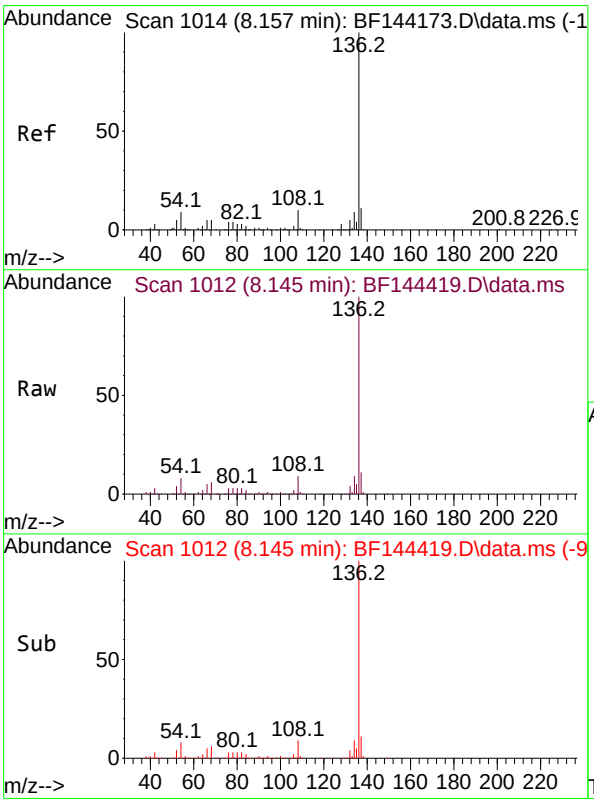
#7
Phenol-d6
Concen: 38.515 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion: 99 Resp: 226284

Ion	Ratio	Lower	Upper
99	100		
42	23.0	20.9	31.3
71	35.3	31.4	47.2

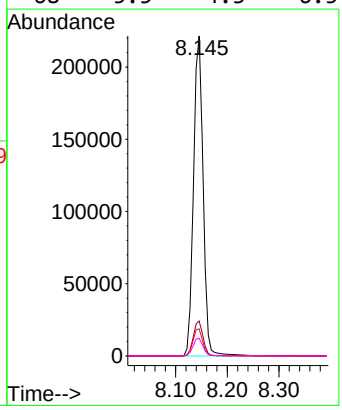


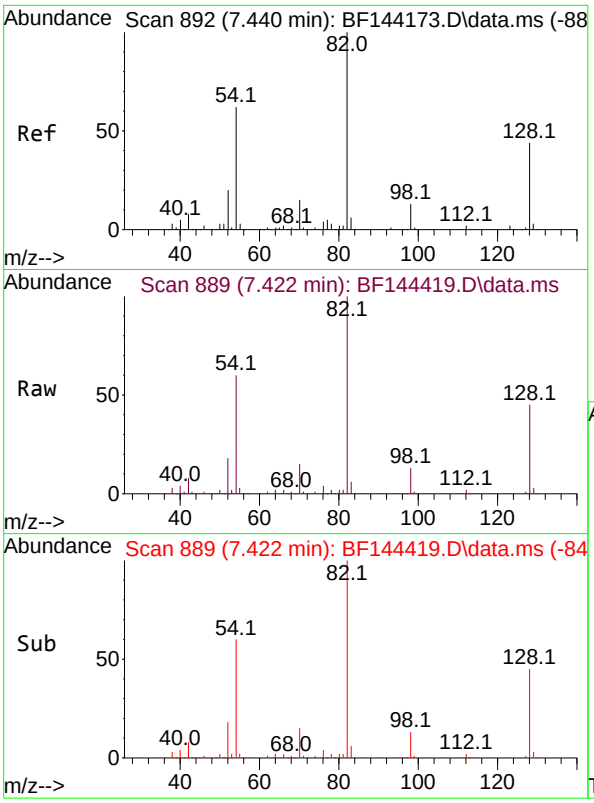


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:136 Resp: 286107

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.4	7.0	10.6
68	5.5	4.3	6.5



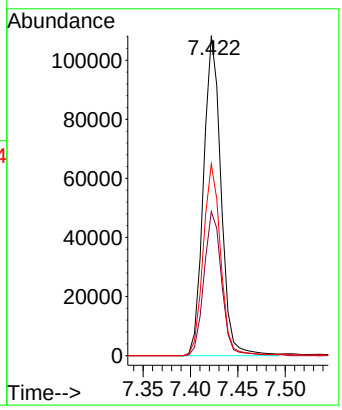


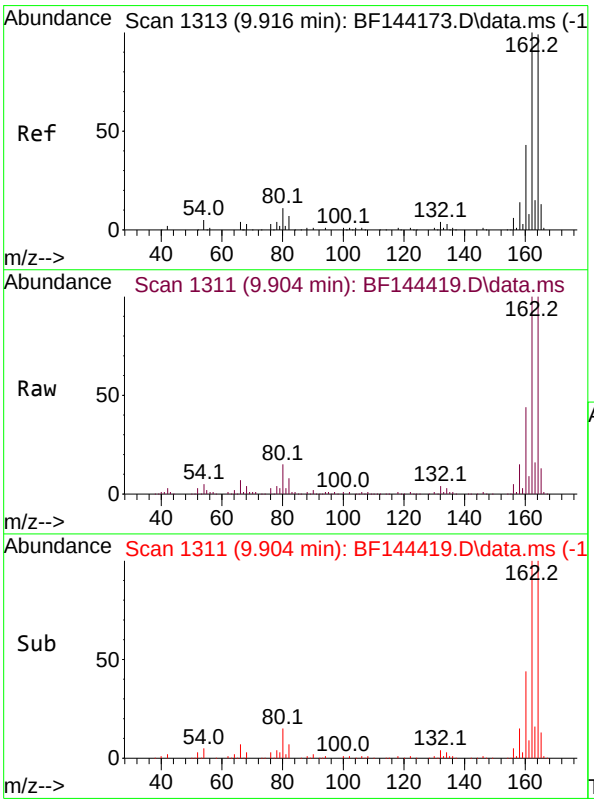
#23
Nitrobenzene-d5
Concen: 28.168 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion: 82 Resp: 139540

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.7	52.1
54	59.8	49.5	74.3

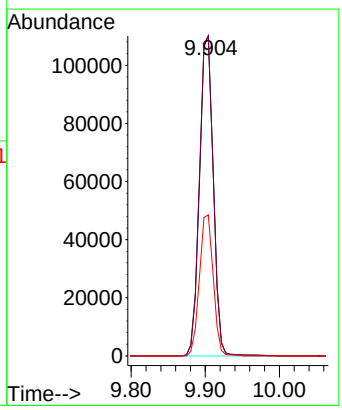


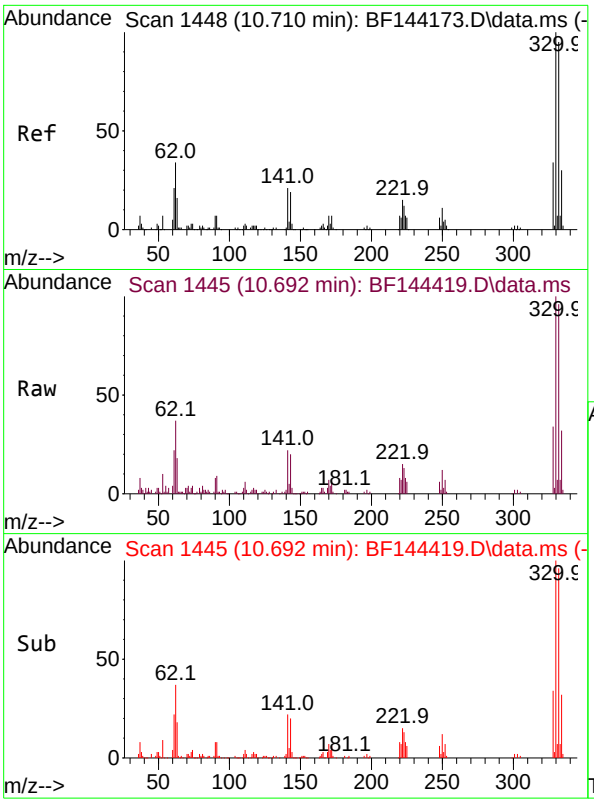


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:164 Resp: 142110

Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.1	121.7
160	44.1	34.5	51.7



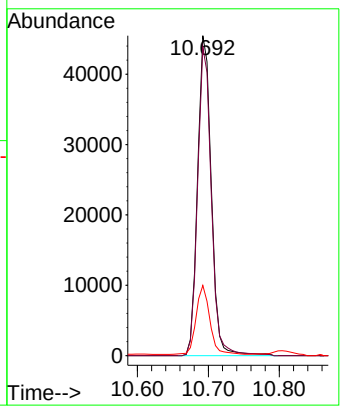


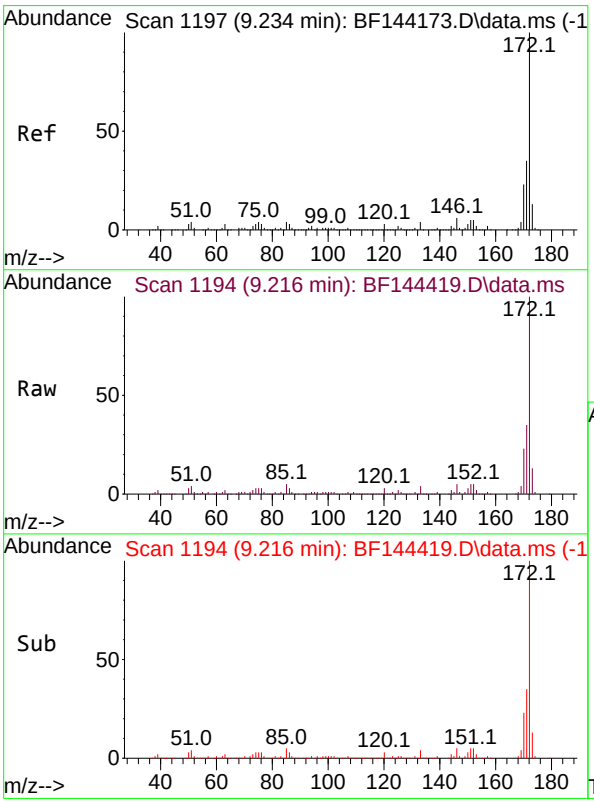
#42
2,4,6-Tribromophenol
Concen: 34.190 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion:330 Resp: 60972

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.7	115.1
141	21.2	17.8	26.8

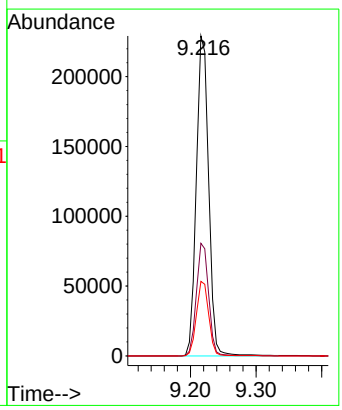


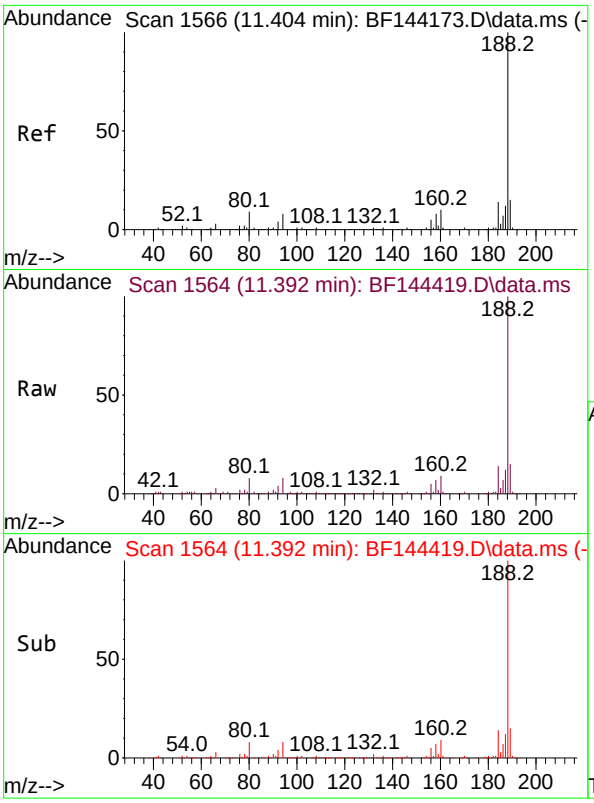


#45
2-Fluorobiphenyl
Concen: 30.973 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:172 Resp: 298024

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	23.3	18.6	28.0



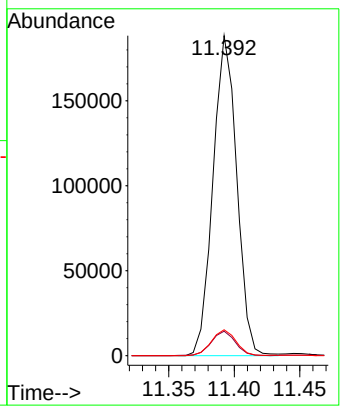


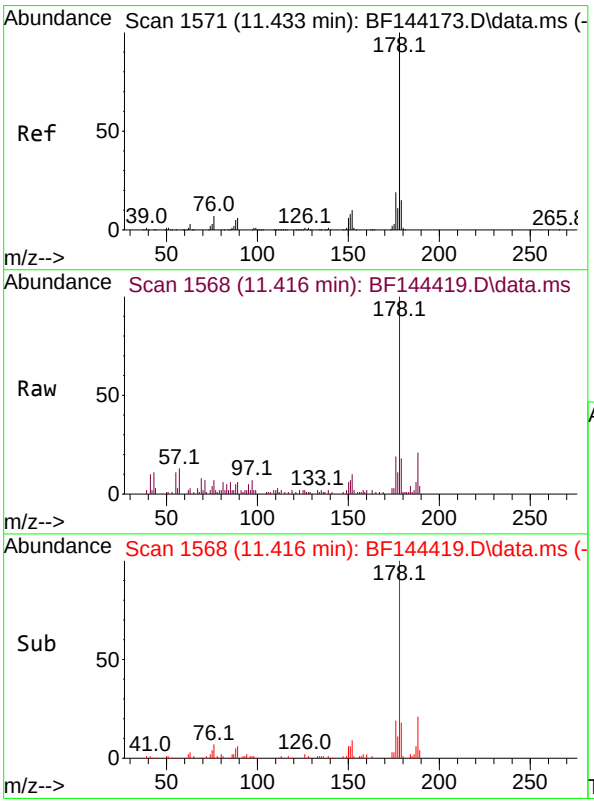
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion:188 Resp: 237809

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.2	9.2
80	8.1	6.9	10.3

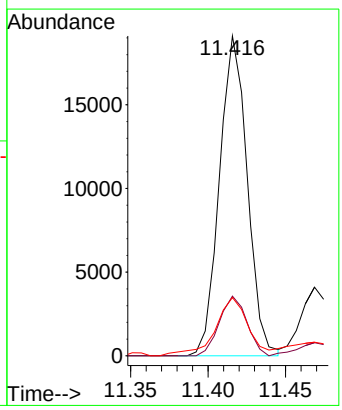


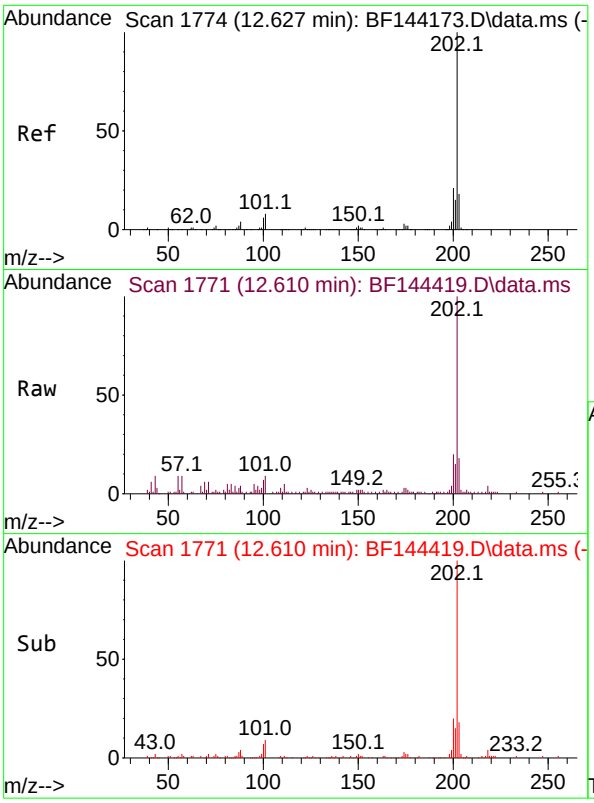


#71
Phenanthrene
Concen: 2.019 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:178 Resp: 23905

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	18.2	12.2	18.4



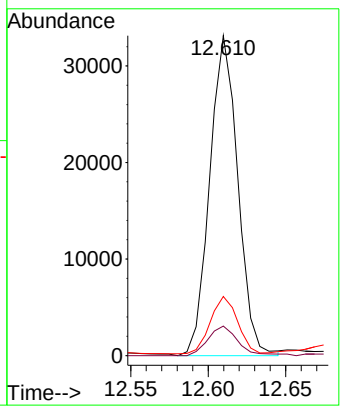


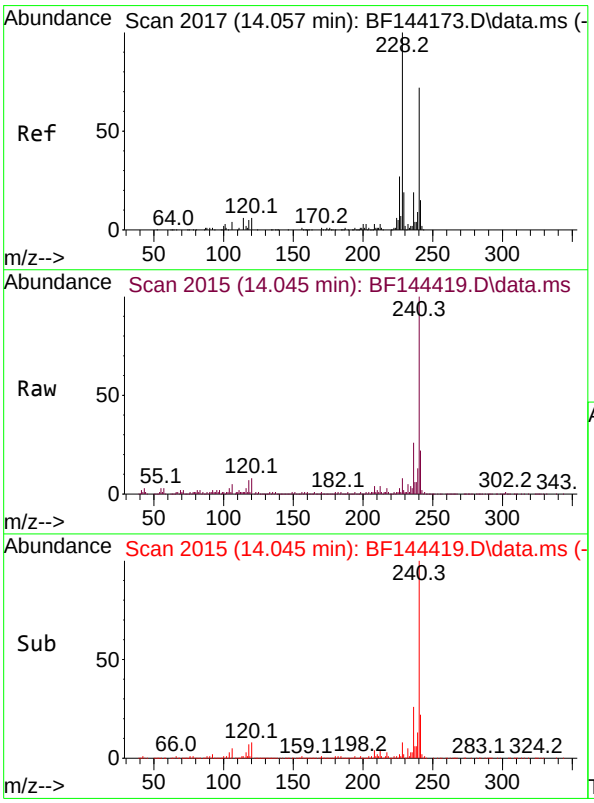
#75
Fluoranthene
Concen: 3.435 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion:202 Resp: 42014

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	27.9
203	18.5	0.0	37.5

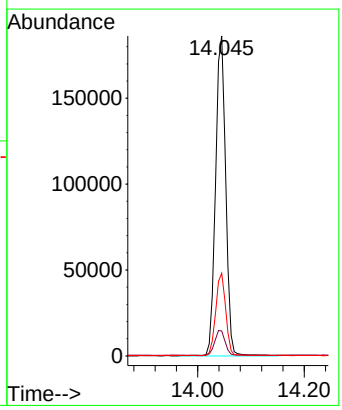


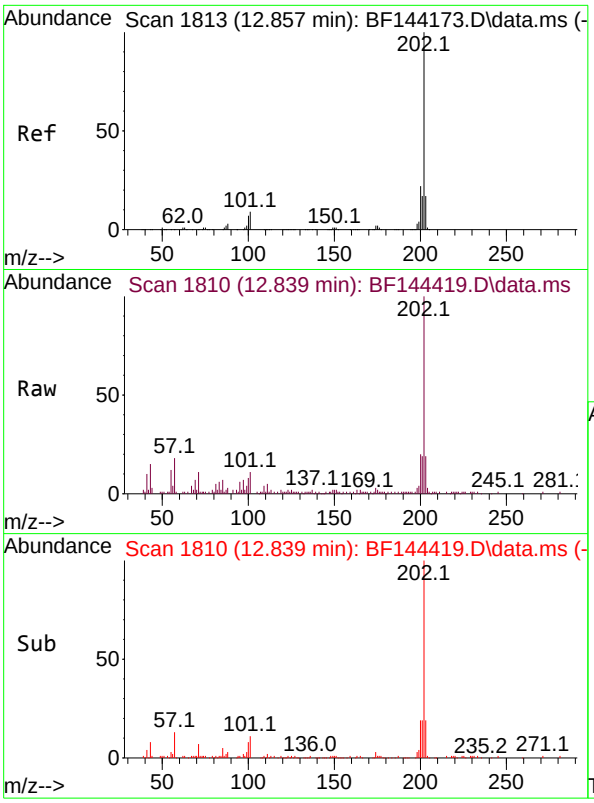


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:240 Resp: 247413

Ion	Ratio	Lower	Upper
240	100		
120	7.8	6.6	10.0
236	25.8	21.4	32.2



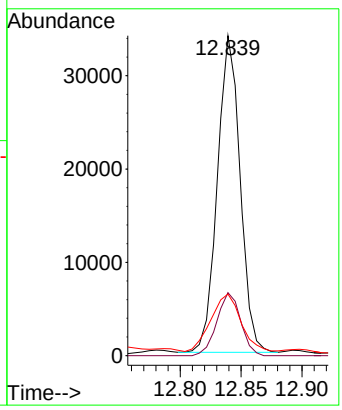


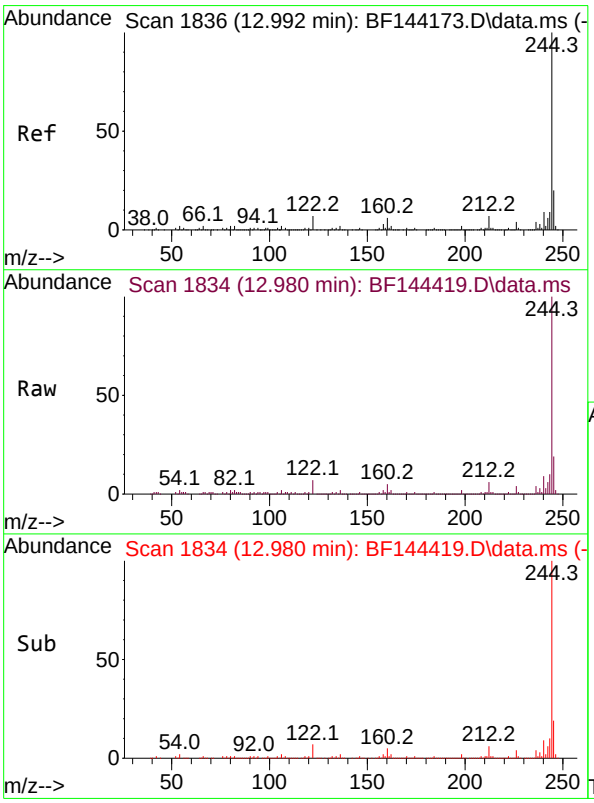
#78
Pyrene
Concen: 2.215 ng
RT: 12.839 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion:202 Resp: 44194

Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.2	25.8
203	19.2	13.7	20.5

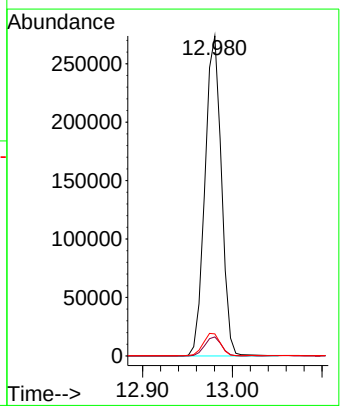


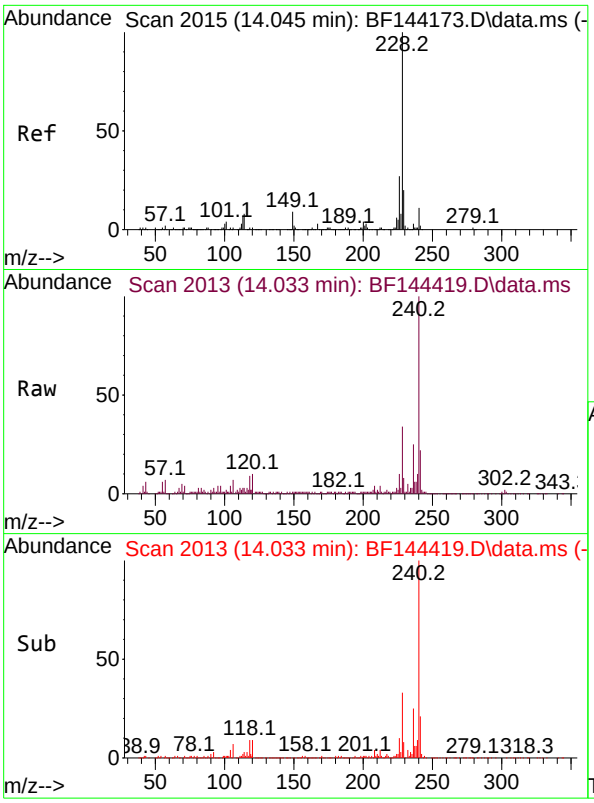


#79
Terphenyl-d14
Concen: 22.467 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:244 Resp: 349952

Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.3	7.9
122	6.9	5.6	8.4



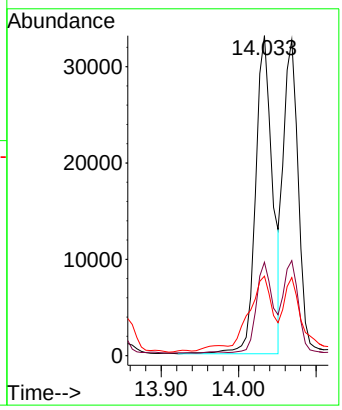


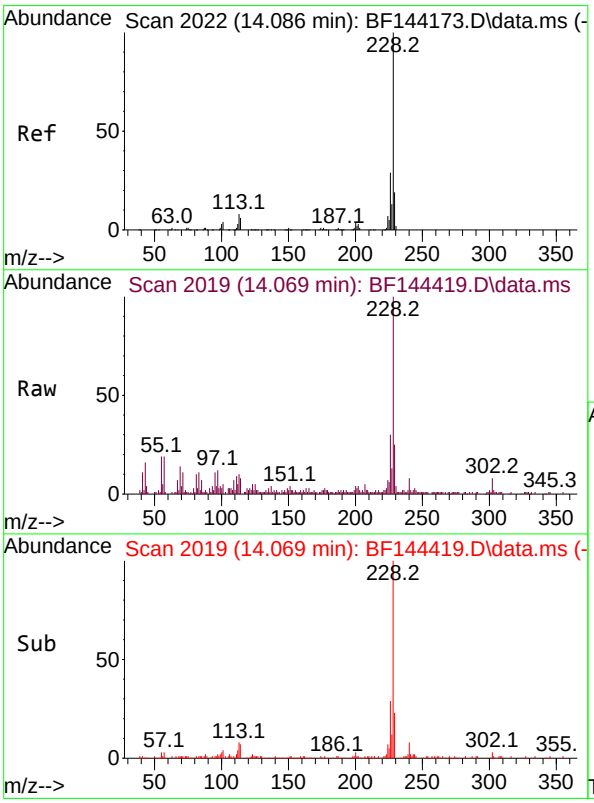
#81
Benzo(a)anthracene
Concen: 2.942 ng
RT: 14.033 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion:228 Resp: 50440

Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.8	32.8
229	24.8	15.8	23.6#

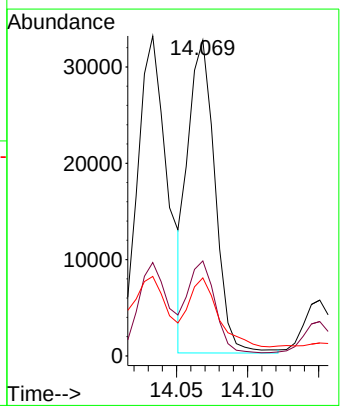


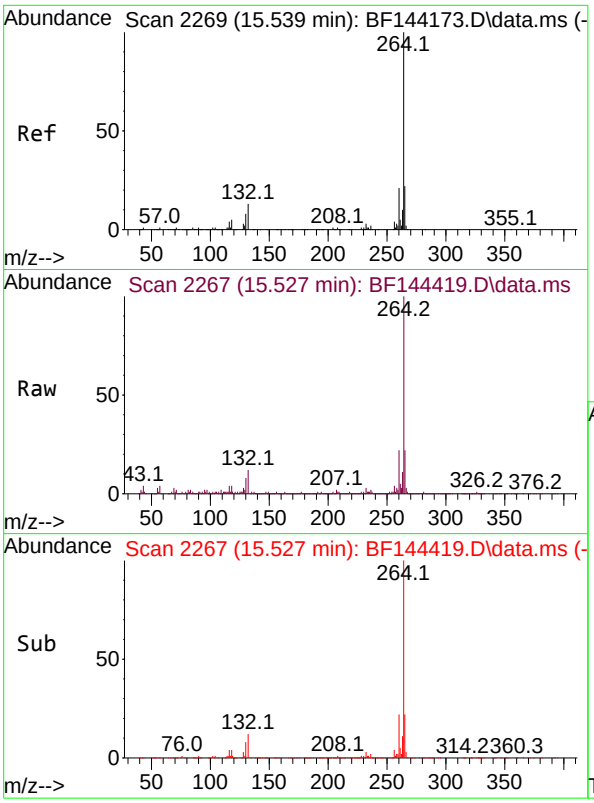


#83
Chrysene
Concen: 2.716 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:228 Resp: 42989

Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.9	34.3
229	24.7	15.0	22.6#



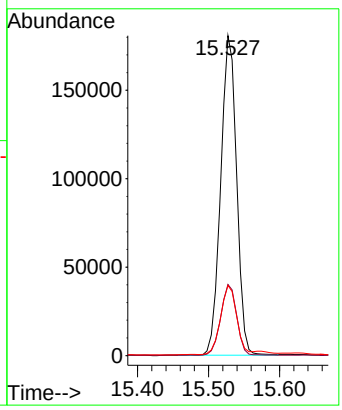


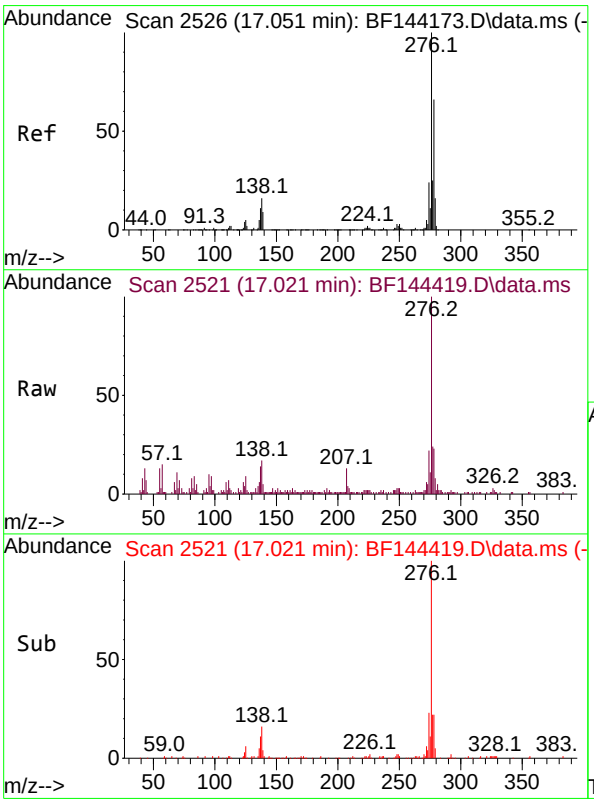
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion:264 Resp: 282719

Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.1	25.7
265	21.9	17.4	26.0

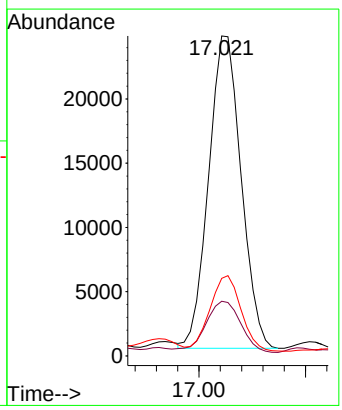


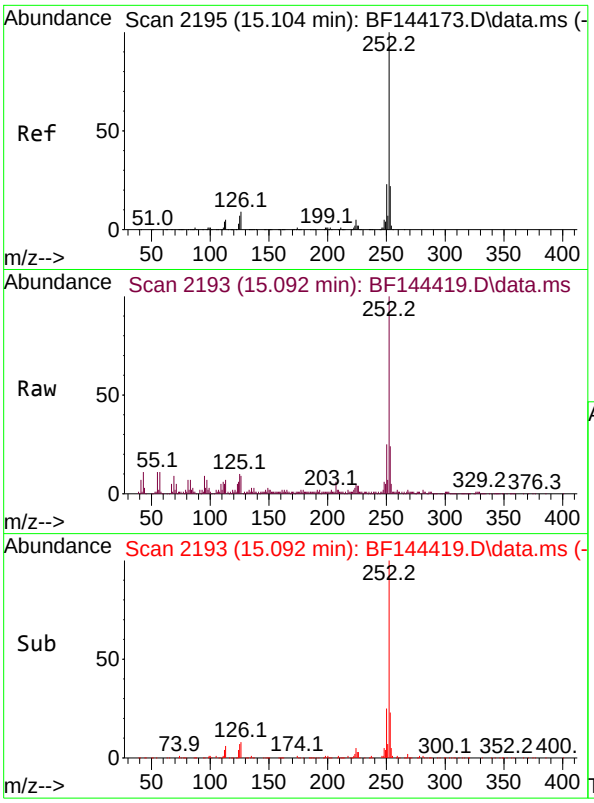


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.540 ng
RT: 17.021 min Scan# 2521
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:276 Resp: 51542

Ion	Ratio	Lower	Upper
276	100		
138	17.8	13.9	20.9
277	23.3	19.8	29.6



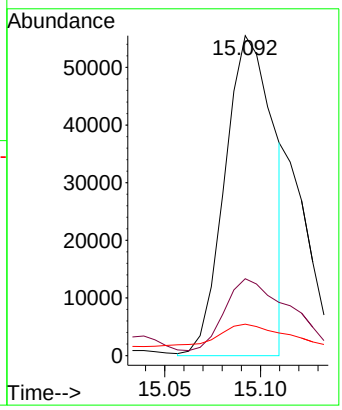


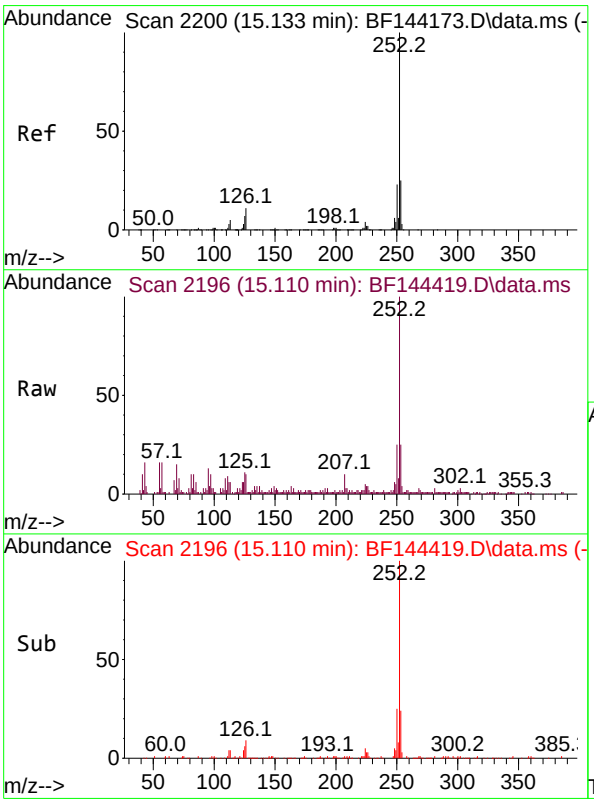
#88
Benzo(b)fluoranthene
Concen: 6.104 ng m
RT: 15.092 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion:252 Resp: 98106

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	9.8	5.3	7.9#

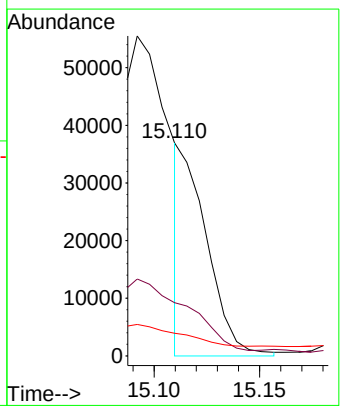


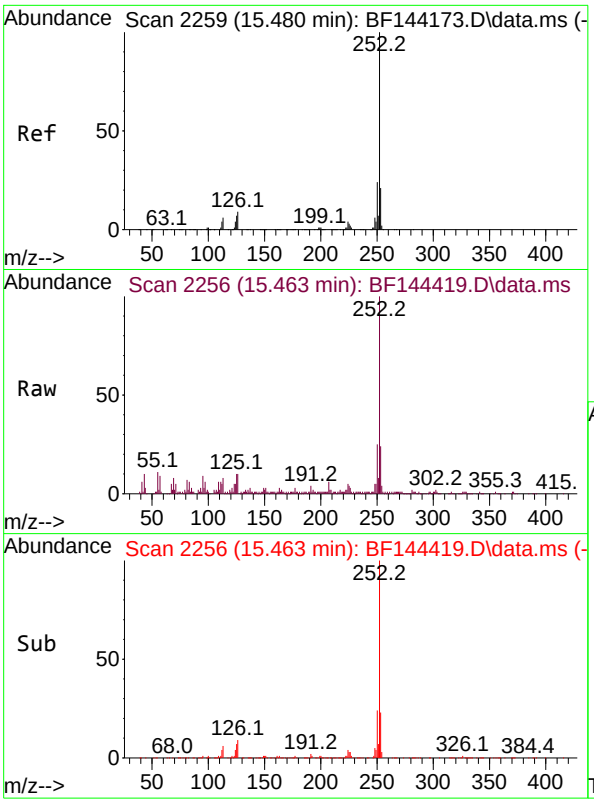


#89
Benzo(k)fluoranthene
Concen: 2.081 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:252 Resp: 31309

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.0	27.0
125	10.7	5.4	8.2#



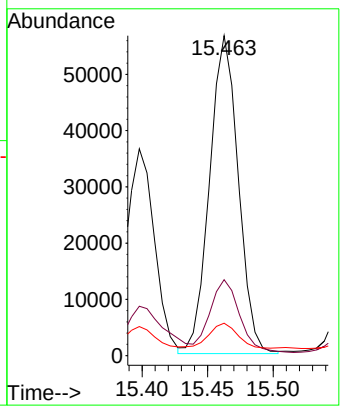


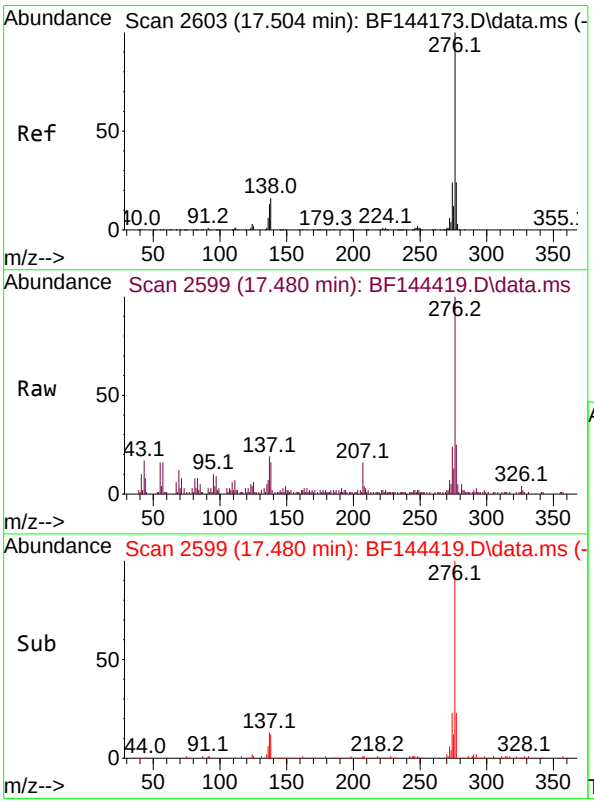
#90
Benzo(a)pyrene
Concen: 5.816 ng
RT: 15.463 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion:252 Resp: 86242

Ion	Ratio	Lower	Upper
252	100		
253	23.7	16.7	25.1
125	10.1	5.7	8.5#





#92
Benzo(g,h,i)perylene
Concen: 3.069 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:276 Resp: 49390

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.0	28.4
138	15.8	12.9	19.3