Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Quant Time: Oct 22 11:13:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	103970	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	375202	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	176662	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	261482	20.000	ng	0.00
76) Chrysene-d12	14.057	240	242210	20.000	ng	-0.01
86) Perylene-d12	15.545	264	289481	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	529523	80.877	ng	0.00
7) Phenol-d6	6.504	99	614253	78.709	ng	-0.01
23) Nitrobenzene-d5	7.440	82	341161	55.243	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	120320	68.380	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	580664	52.154	ng	-0.01
79) Terphenyl-d14	12.998	244	495672	34.976	ng	-0.01
Target Compounds						Qvalue
35) Caprolactam	8.581	113	8188	4.674	ng #	26
54) 2,4-Dinitrophenol	10.133	184	53	6.979	ng #	1
63) Azobenzene	10.633	77	50488	4.635	ng #	1
71) Phenanthrene	11.433	178	26275	2.073	ng #	90
75) Fluoranthene	12.633	202	48437	3.699	ng	96
78) Pyrene	12.857	202	56984	2.822	ng	95
81) Benzo(a)anthracene	14.051	228	37815	2.386	ng #	73
83) Chrysene	14.086	228	33377	2.275	ng #	87
88) Benzo(b)fluoranthene	15.110	252	58010	3.489	ng #	86
89) Benzo(k)fluoranthene	15.110	252	58010	3.770	ng #	87
90) Benzo(a)pyrene	15.480	252	38339	2.659	ng #	84

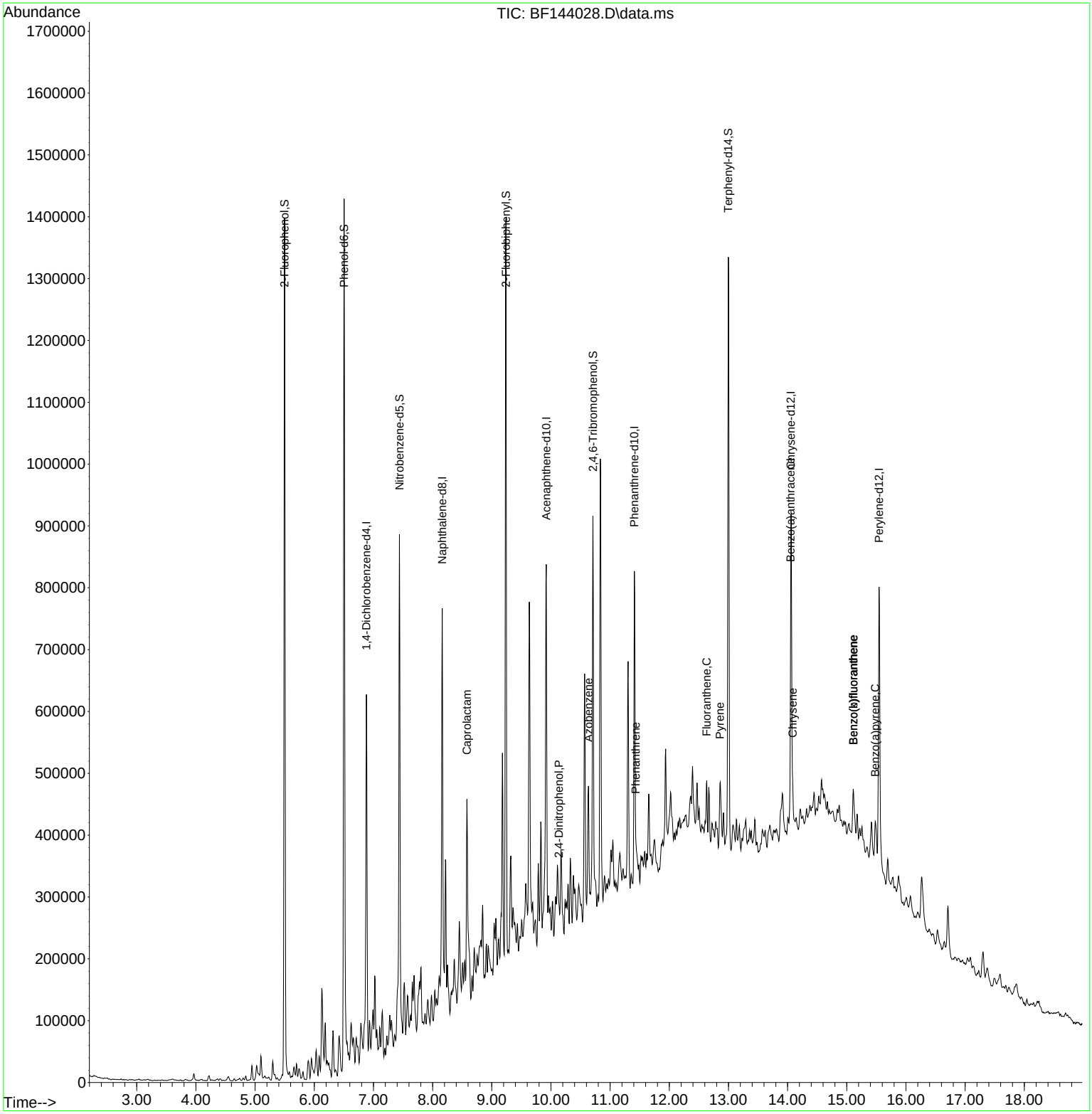
(#) = qualifier out of range (m) = manual integration (+) = signals summed

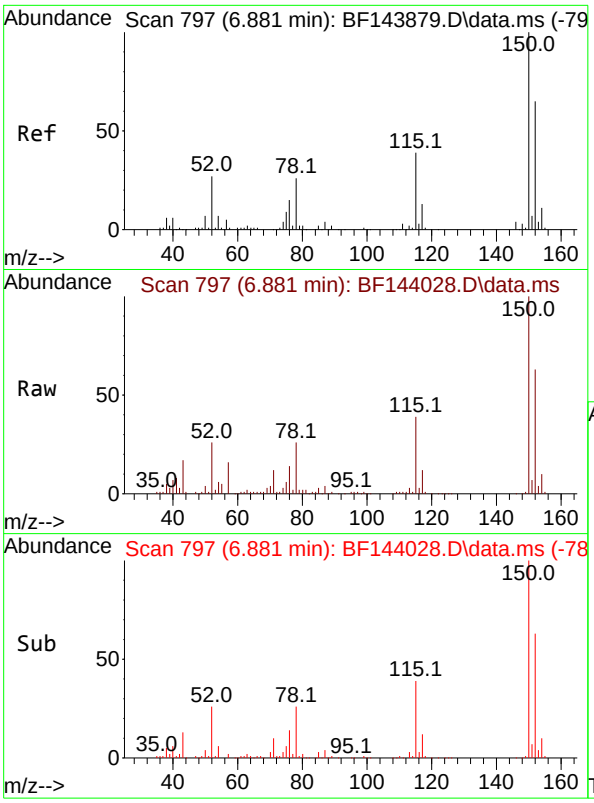
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Quant Time: Oct 22 11:13:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



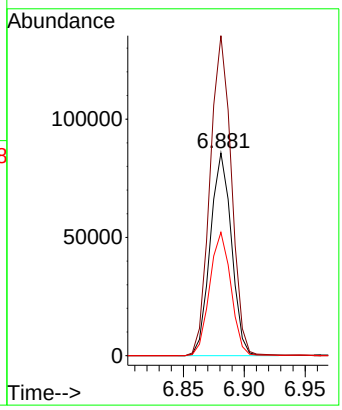


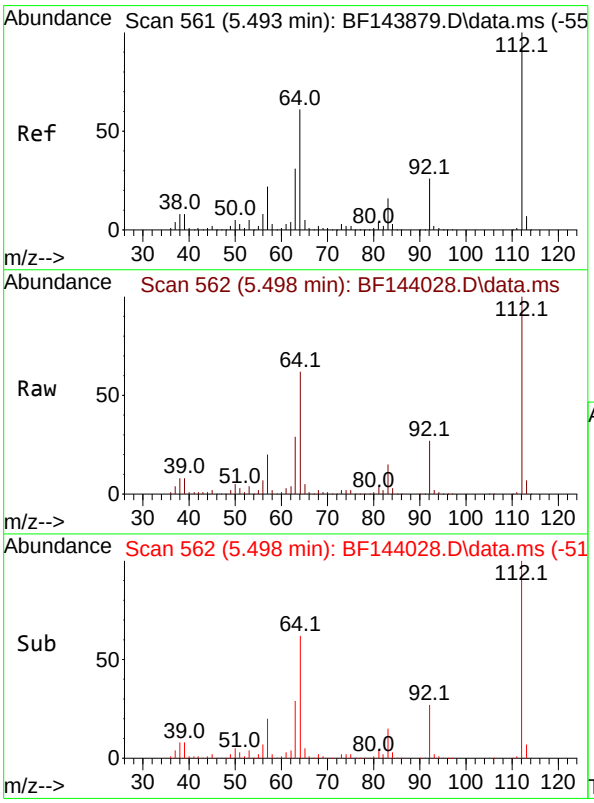
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Tgt Ion:152 Resp: 103970

Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.4	186.6
115	60.8	48.1	72.1

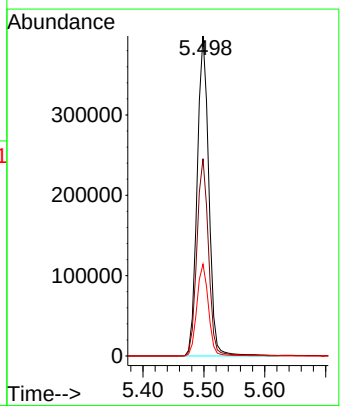


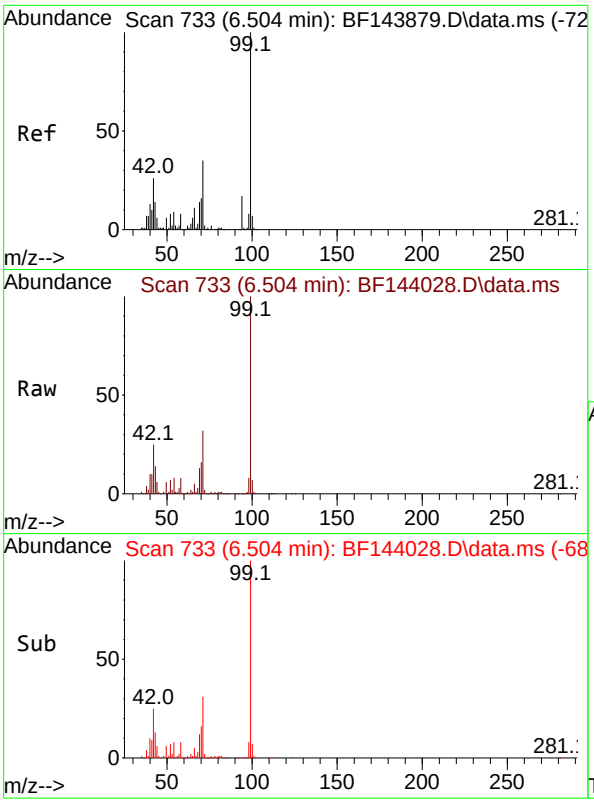


#5
2-Fluorophenol
Concen: 80.877 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:112 Resp: 529523

Ion	Ratio	Lower	Upper
112	100		
64	61.7	49.1	73.7
63	28.7	24.5	36.7



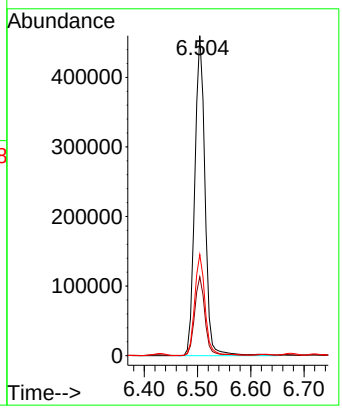


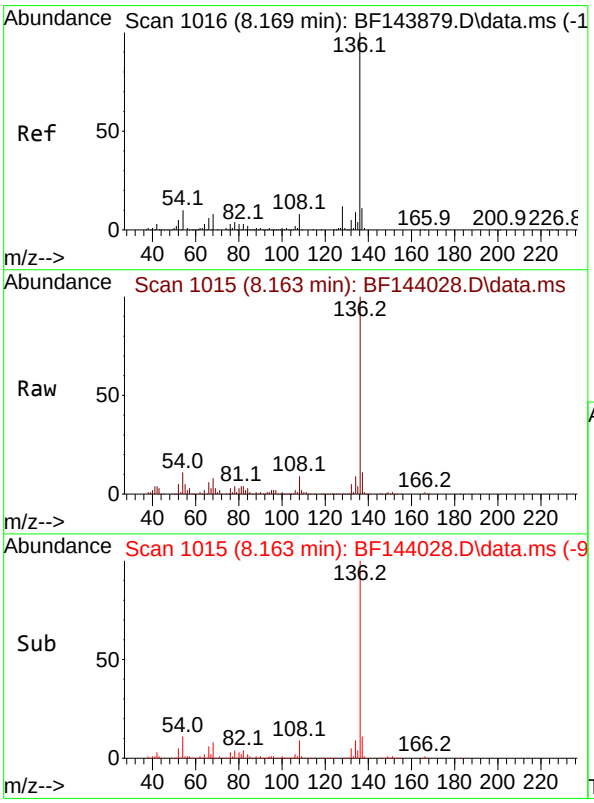
#7
Phenol-d6
Concen: 78.709 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Tgt Ion: 99 Resp: 614253

Ion	Ratio	Lower	Upper
99	100		
42	24.7	21.0	31.4
71	31.6	27.8	41.8

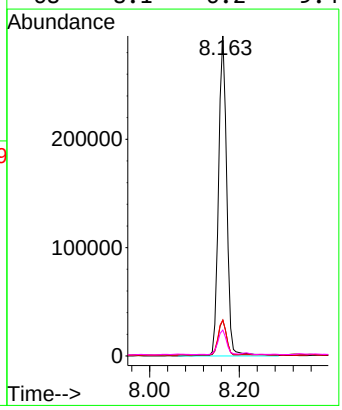


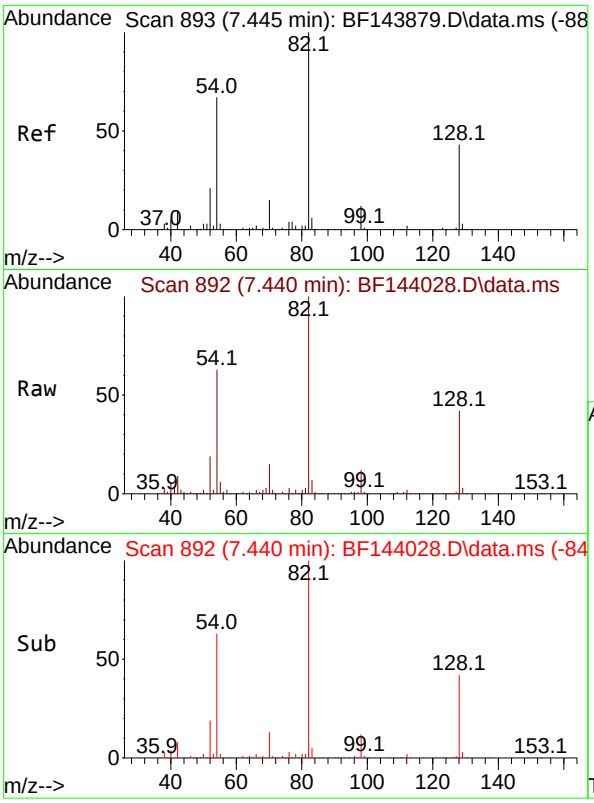


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:136 Resp: 375202

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.2	8.2	12.4
68	8.1	6.2	9.4



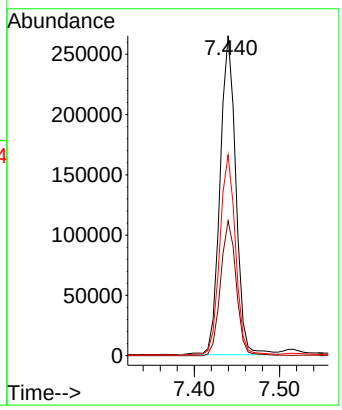


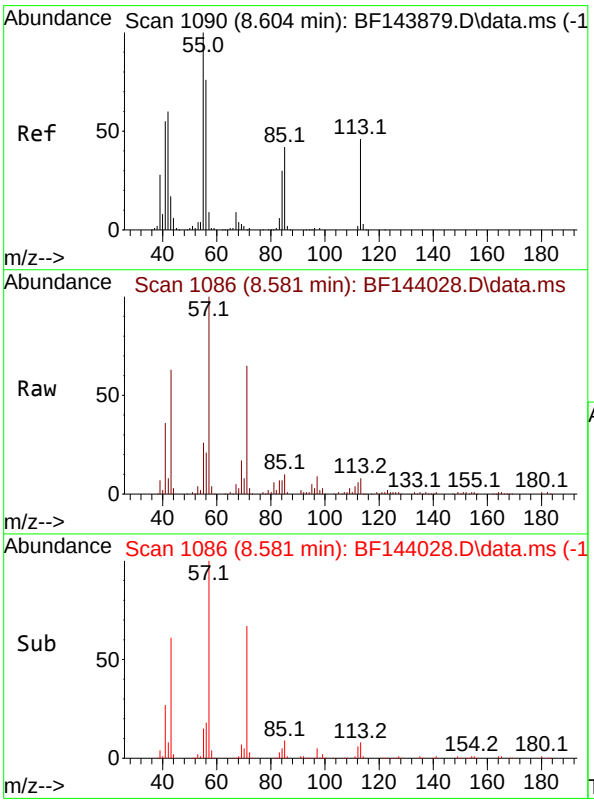
#23
Nitrobenzene-d5
Concen: 55.243 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Tgt Ion: 82 Resp: 341161

Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.0	51.0
54	62.8	53.2	79.8

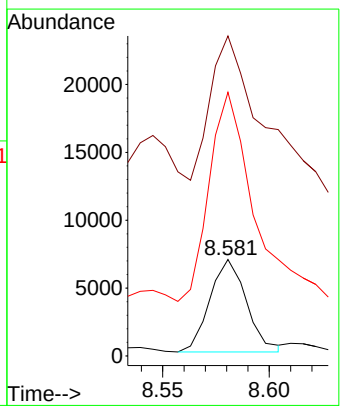


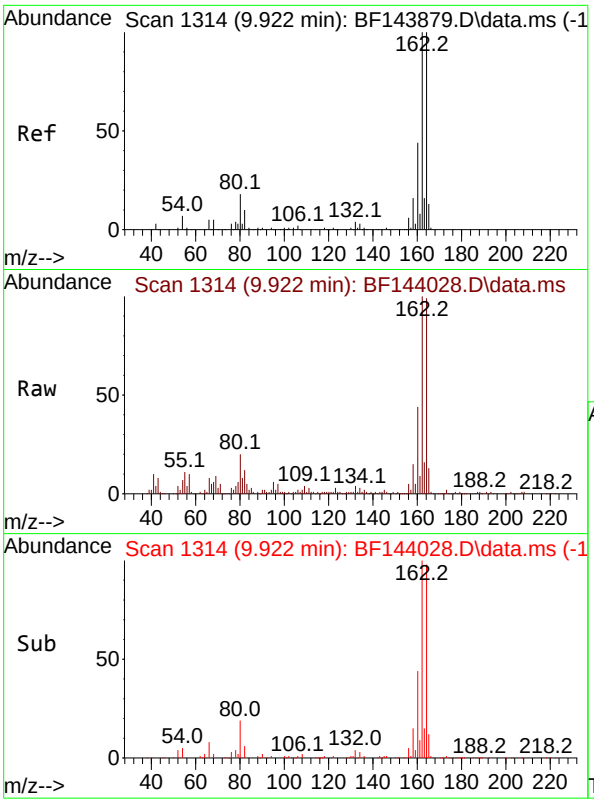


#35
Caprolactam
Concen: 4.674 ng
RT: 8.581 min Scan# 1086
Delta R.T. -0.065 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:113 Resp: 8188

Ion	Ratio	Lower	Upper
113	100		
55	331.8	199.6	239.6#
56	273.3	146.0	186.0#



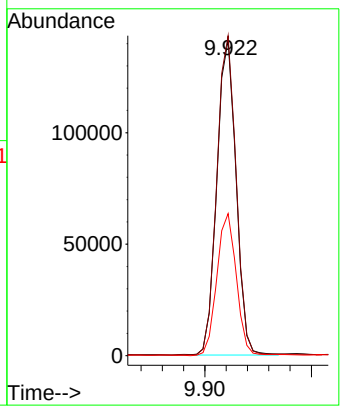


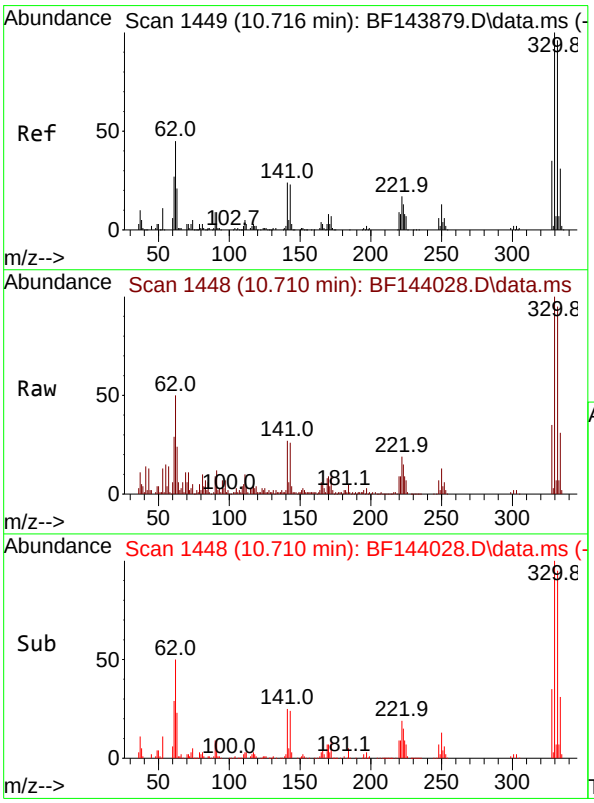
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Tgt Ion:164 Resp: 176662

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.2	120.2
160	45.0	35.4	53.0

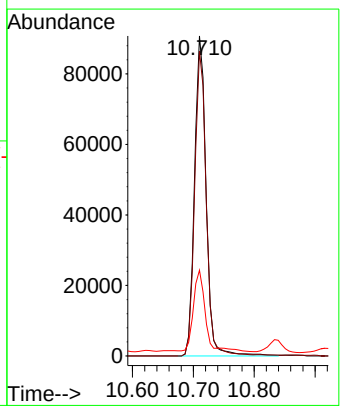


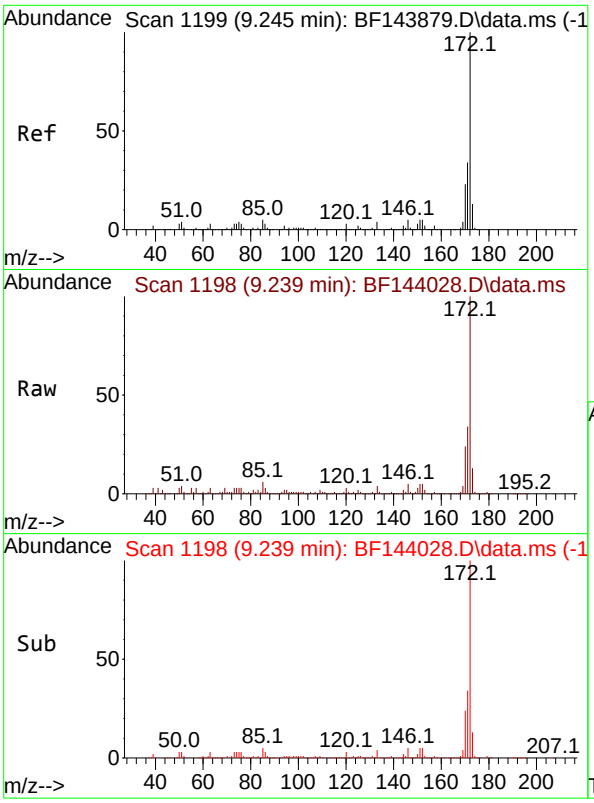


#42
2,4,6-Tribromophenol
Concen: 68.380 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:330 Resp: 120320

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.9	115.3
141	26.0	20.2	30.4



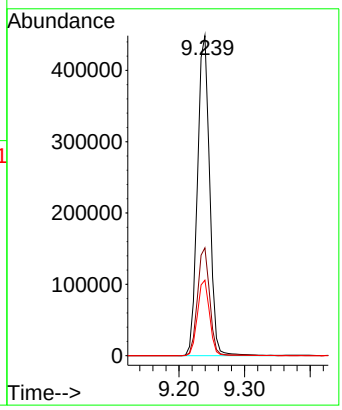


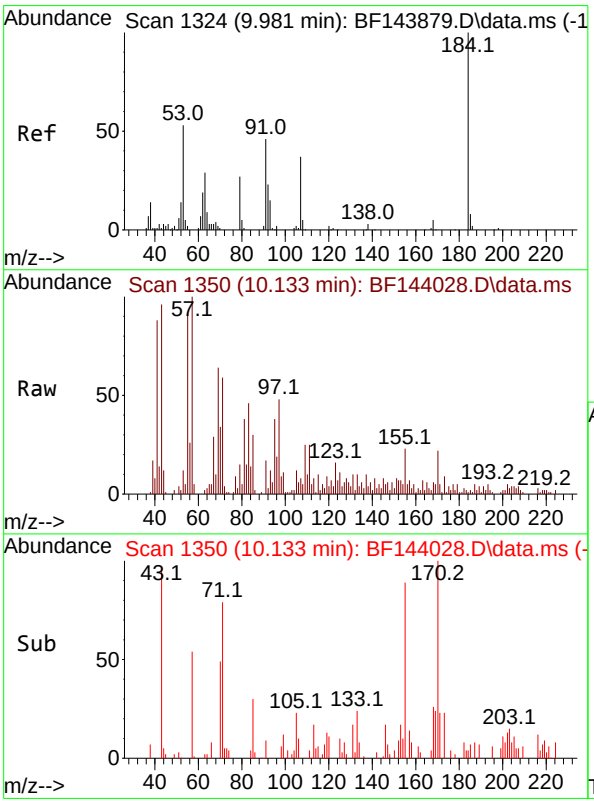
#45
2-Fluorobiphenyl
Concen: 52.154 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Tgt Ion:172 Resp: 580664

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.4	41.0
170	23.6	18.6	28.0

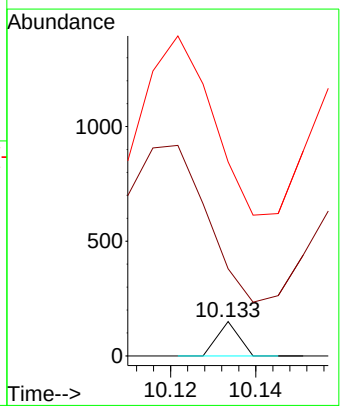


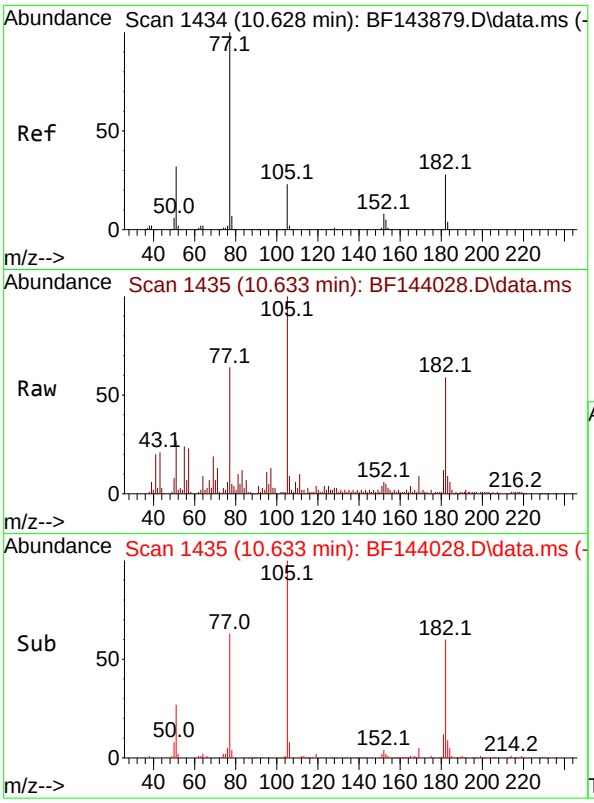


#54
2,4-Dinitrophenol
Concen: 6.979 ng
RT: 10.133 min Scan# 1350
Delta R.T. 0.147 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:184 Resp: 53

Ion	Ratio	Lower	Upper
184	100		
63	253.3	48.2	72.4#
154	564.0	49.2	73.8#



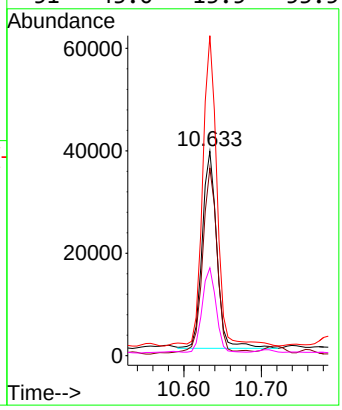


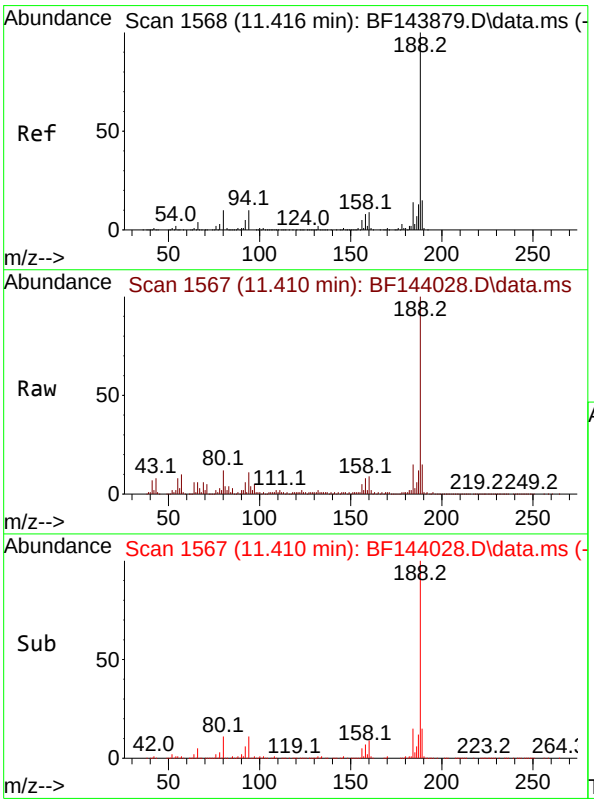
#63
Azobenzene
Concen: 4.635 ng
RT: 10.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Tgt Ion: 77 Resp: 50488

Ion	Ratio	Lower	Upper
77	100		
182	91.8	7.3	47.3#
105	156.6	3.0	43.0#
51	43.0	13.5	53.5

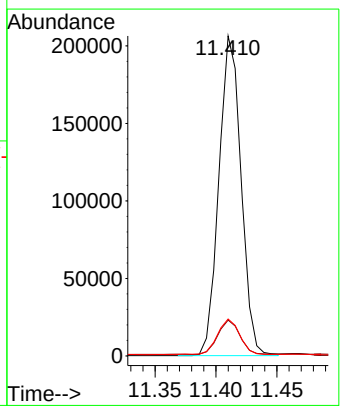


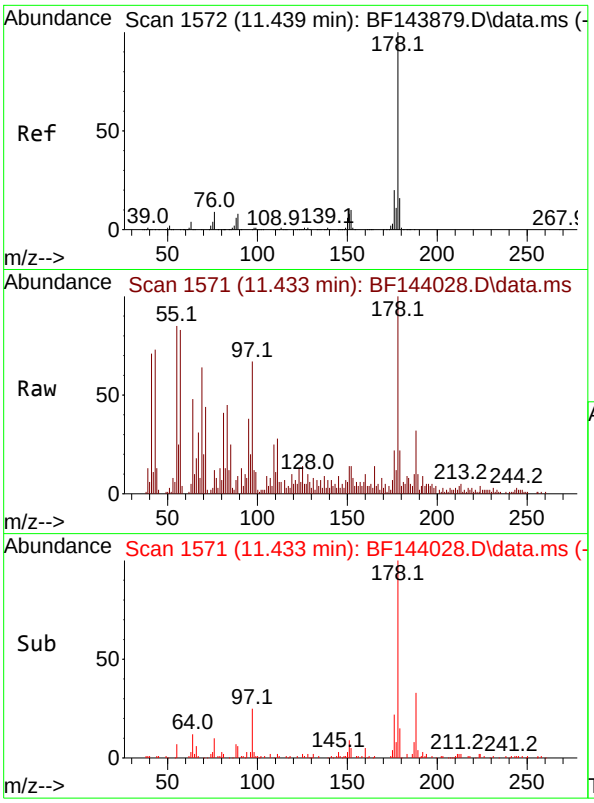


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:188 Resp: 261482

Ion	Ratio	Lower	Upper
188	100		
94	11.2	7.8	11.6
80	11.5	7.9	11.9



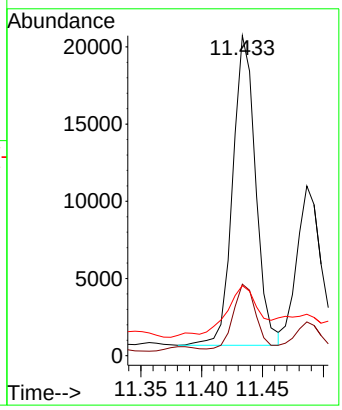


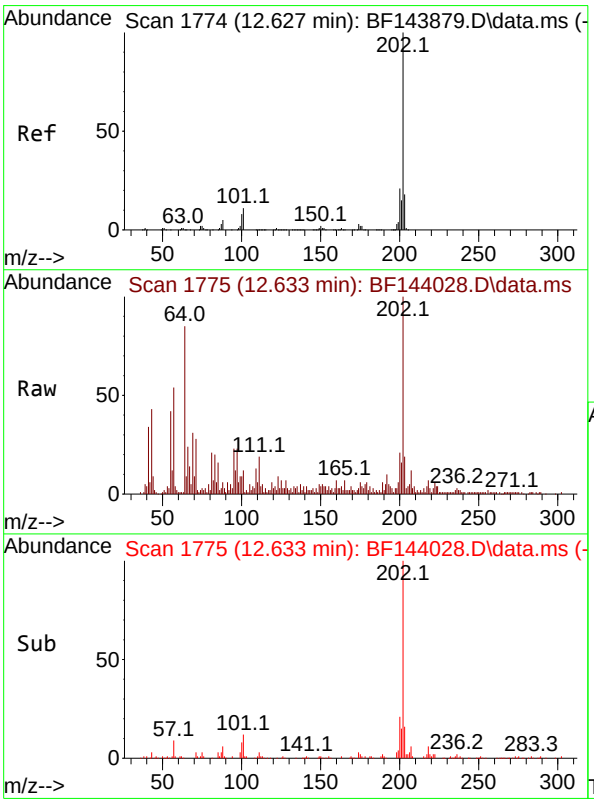
#71
Phenanthrene
Concen: 2.073 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Tgt Ion:178 Resp: 26275

Ion	Ratio	Lower	Upper
178	100		
176	22.4	15.9	23.9
179	21.9	12.4	18.6#

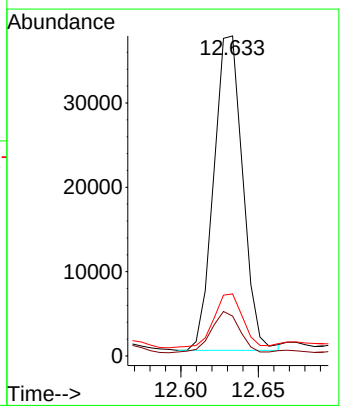


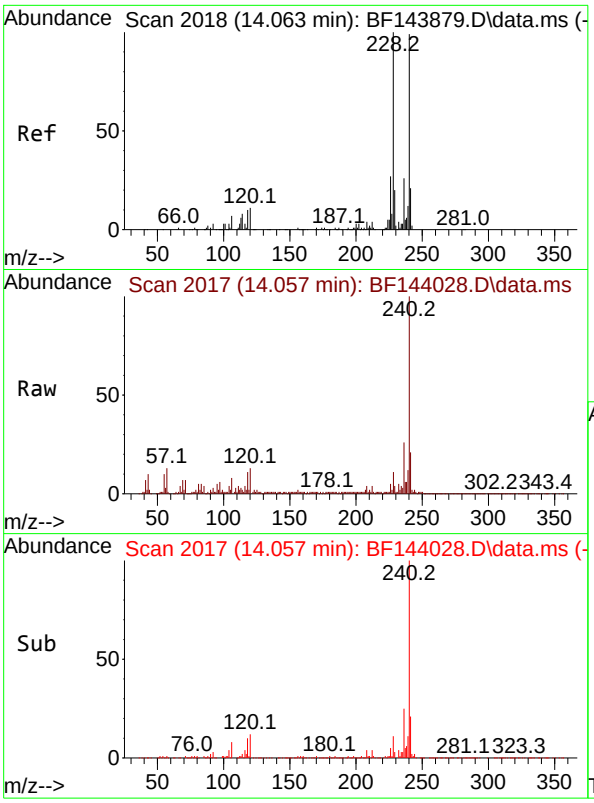


#75
Fluoranthene
Concen: 3.699 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:202 Resp: 48437

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	30.7
203	19.4	0.0	37.8



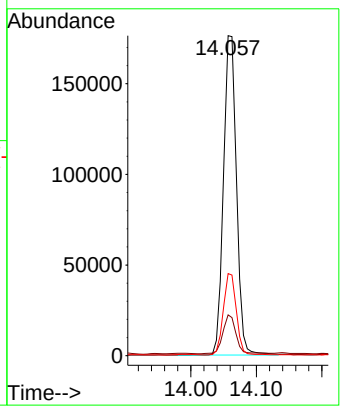


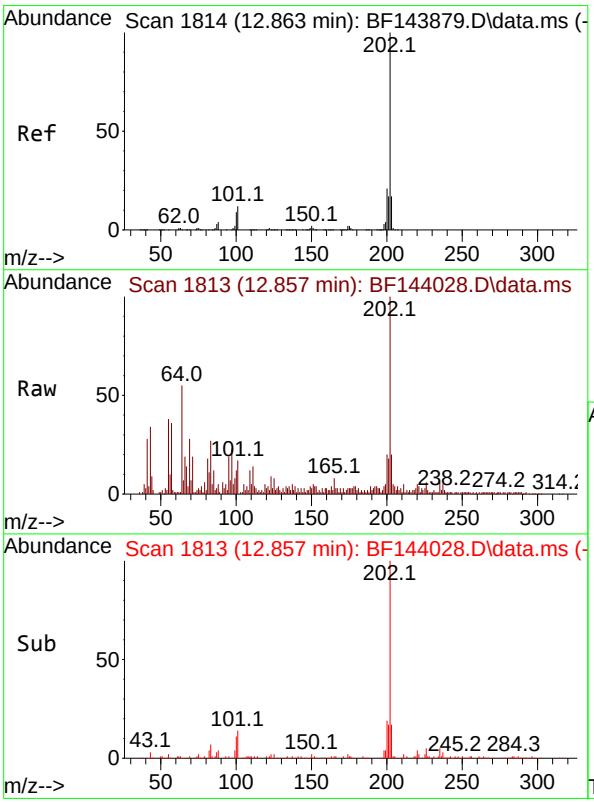
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2(
Delta R.T. -0.011 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Tgt Ion:240 Resp: 242210

Ion	Ratio	Lower	Upper
240	100		
120	12.7	8.6	13.0
236	25.7	21.1	31.7

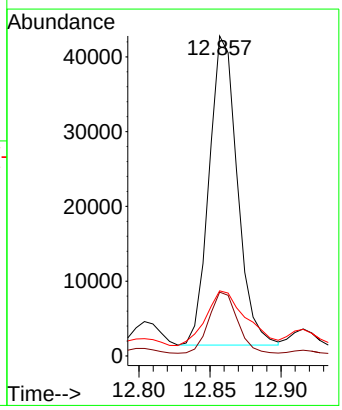


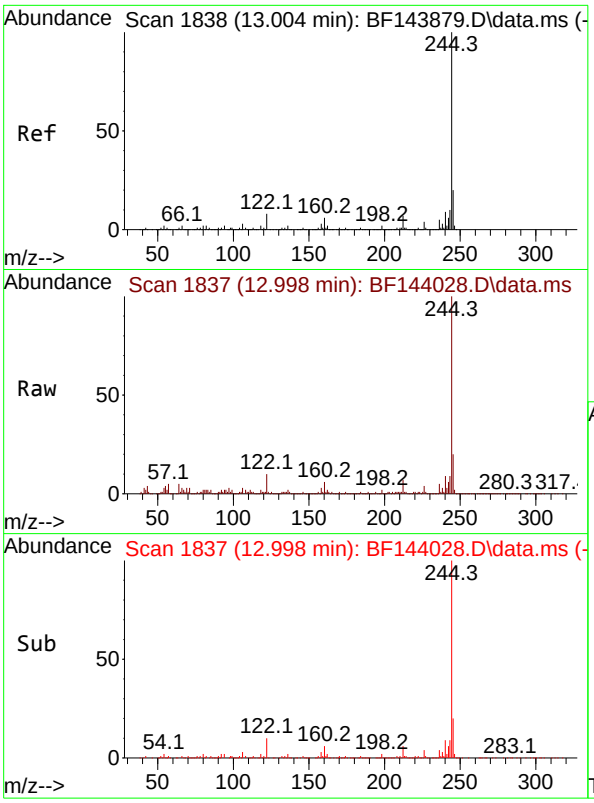


#78
Pyrene
Concen: 2.822 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:202 Resp: 56984

Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.0	25.6
203	20.4	13.8	20.6



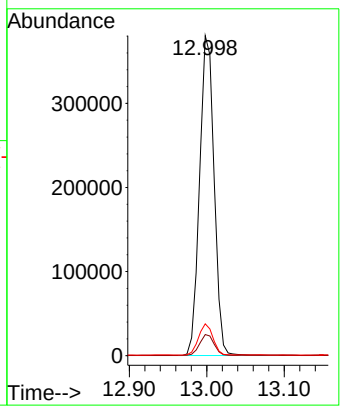


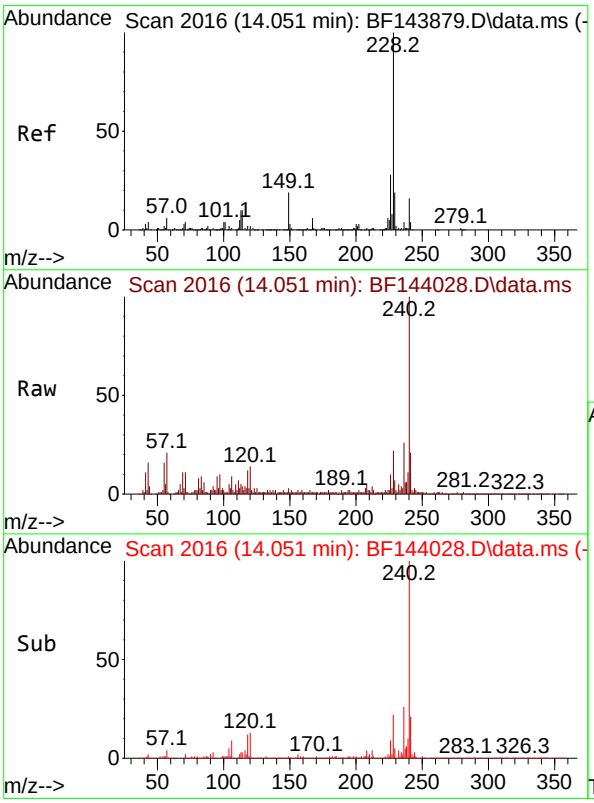
#79
Terphenyl-d14
Concen: 34.976 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Tgt Ion:244 Resp: 495672

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.0	6.4	9.6#

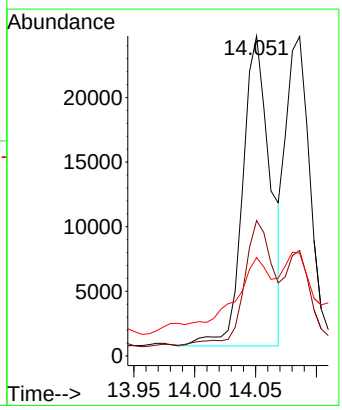


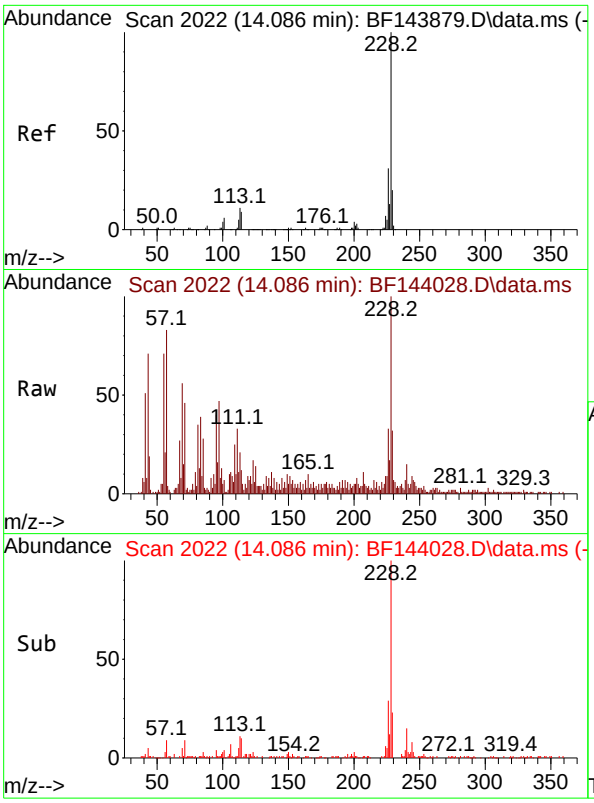


#81
Benzo(a)anthracene
Concen: 2.386 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:228 Resp: 37815

Ion	Ratio	Lower	Upper
228	100		
226	42.3	22.2	33.2#
229	30.8	15.6	23.4#



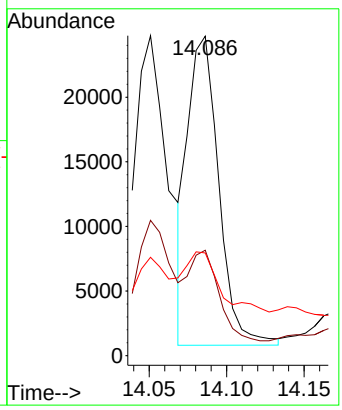


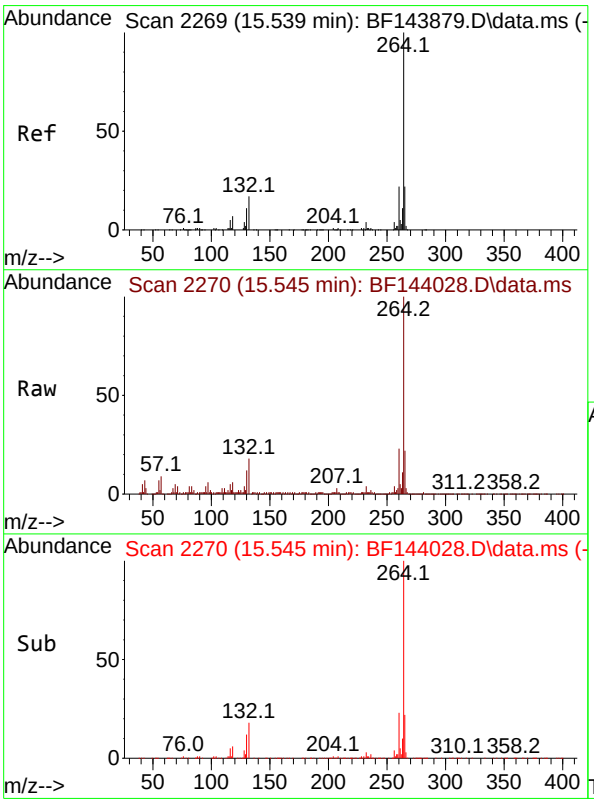
#83
Chrysene
Concen: 2.275 ng
RT: 14.086 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Tgt Ion:228 Resp: 33377

Ion	Ratio	Lower	Upper
228	100		
226	33.0	24.4	36.6
229	32.2	15.9	23.9#

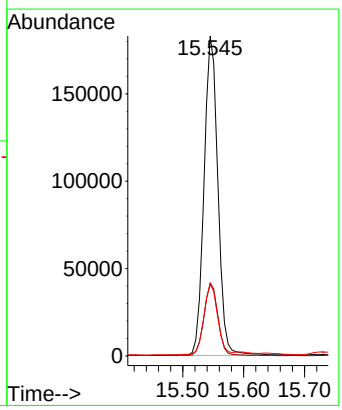


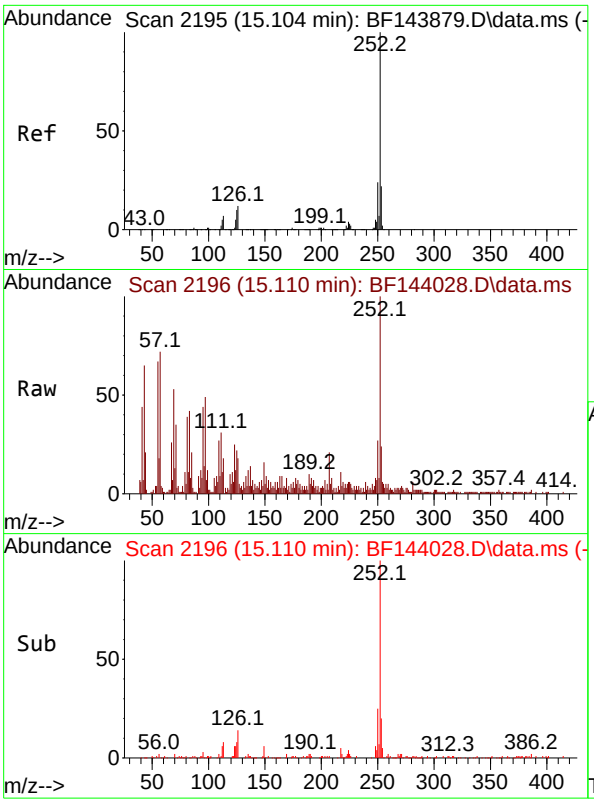


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:264 Resp: 289481

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.8	26.8
265	22.4	17.5	26.3



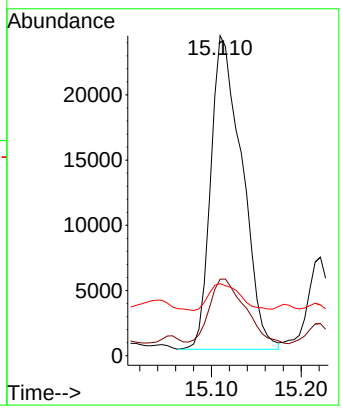


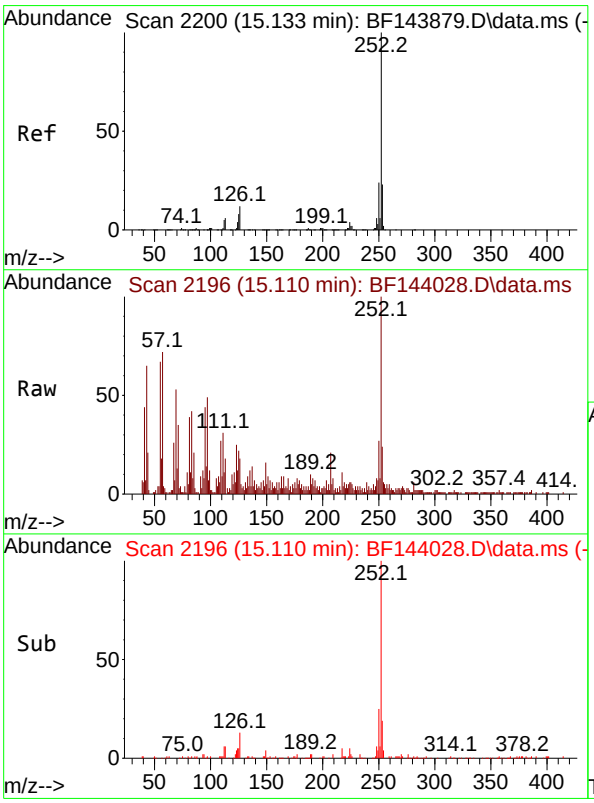
#88
Benzo(b)fluoranthene
Concen: 3.489 ng
RT: 15.110 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Tgt Ion:252 Resp: 58010

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.2
125	22.5	7.8	11.6#

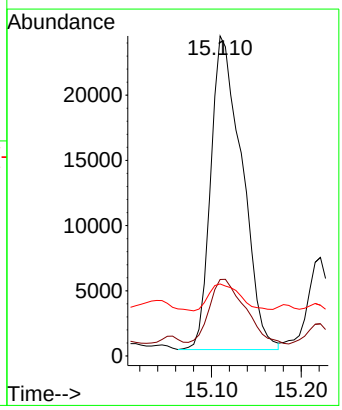


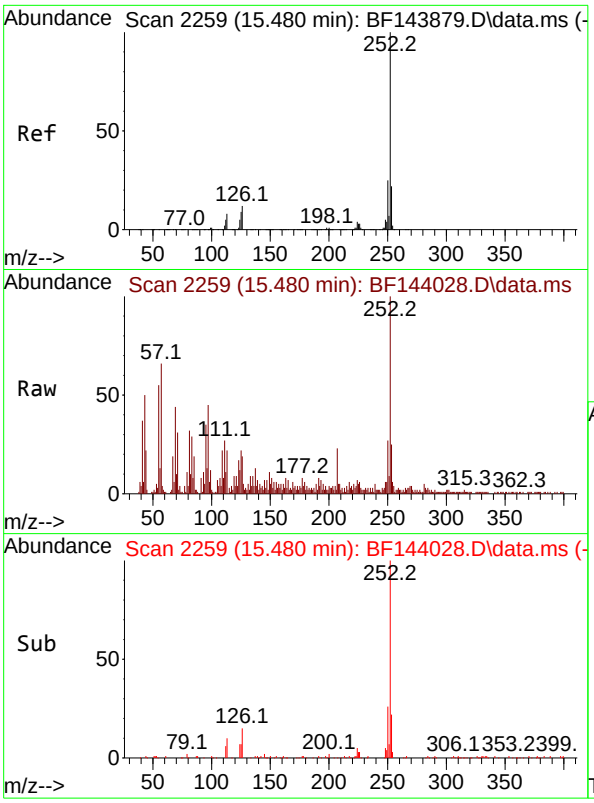


#89
Benzo(k)fluoranthene
Concen: 3.770 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:252 Resp: 58010

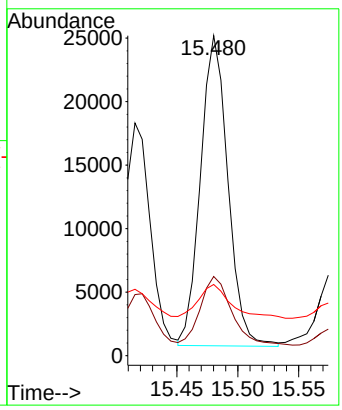
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	22.5	7.4	11.2#





#90
Benzo(a)pyrene
Concen: 2.659 ng
RT: 15.480 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Tgt Ion:252 Resp: 38339

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.3	25.9
125	22.3	7.0	10.4#