Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100825\
Data File : BF143905.D
Acq On : 08 Oct 2025 20:03
Operator : RC/JU
Sample : Q3307-19 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-33(0-0.5)

Quant Time: Oct 09 01:49:26 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	115284	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	431169	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	224689	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	351843	20.000	ng	0.00
76) Chrysene-d12	14.057	240	301832	20.000	ng	-0.01
86) Perylene-d12	15.539	264	246493	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	57364	7.902	ng	-0.01
7) Phenol-d6	6.493	99	66557	7.692	ng	-0.02
23) Nitrobenzene-d5	7.440	82	31926	4.499	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	10867	4.856	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	78386	5.536	ng	-0.01
79) Terphenyl-d14	12.998	244	74622	4.225	ng	-0.01
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	9.922	165	28641	10.825	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	28641	7.956	ng	# 27
71) Phenanthrene	11.433	178	150253	8.809	ng	98
72) Anthracene	11.486	178	37033	2.149	ng	99
75) Fluoranthene	12.627	202	202185	11.475	ng	97
78) Pyrene	12.857	202	202217	8.036	ng	98
81) Benzo(a)anthracene	14.045	228	109799	5.559	ng	98
83) Chrysene	14.080	228	100569	5.501	ng	97
88) Benzo(b)fluoranthene	15.104	252	122114	8.624	ng	# 95
89) Benzo(k)fluoranthene	15.104	252	122114	9.320	ng	# 95
90) Benzo(a)pyrene	15.474	252	63052	5.136	ng	# 92
92) Benzo(g,h,i)perylene	17.474	276	28453	2.342	ng	98

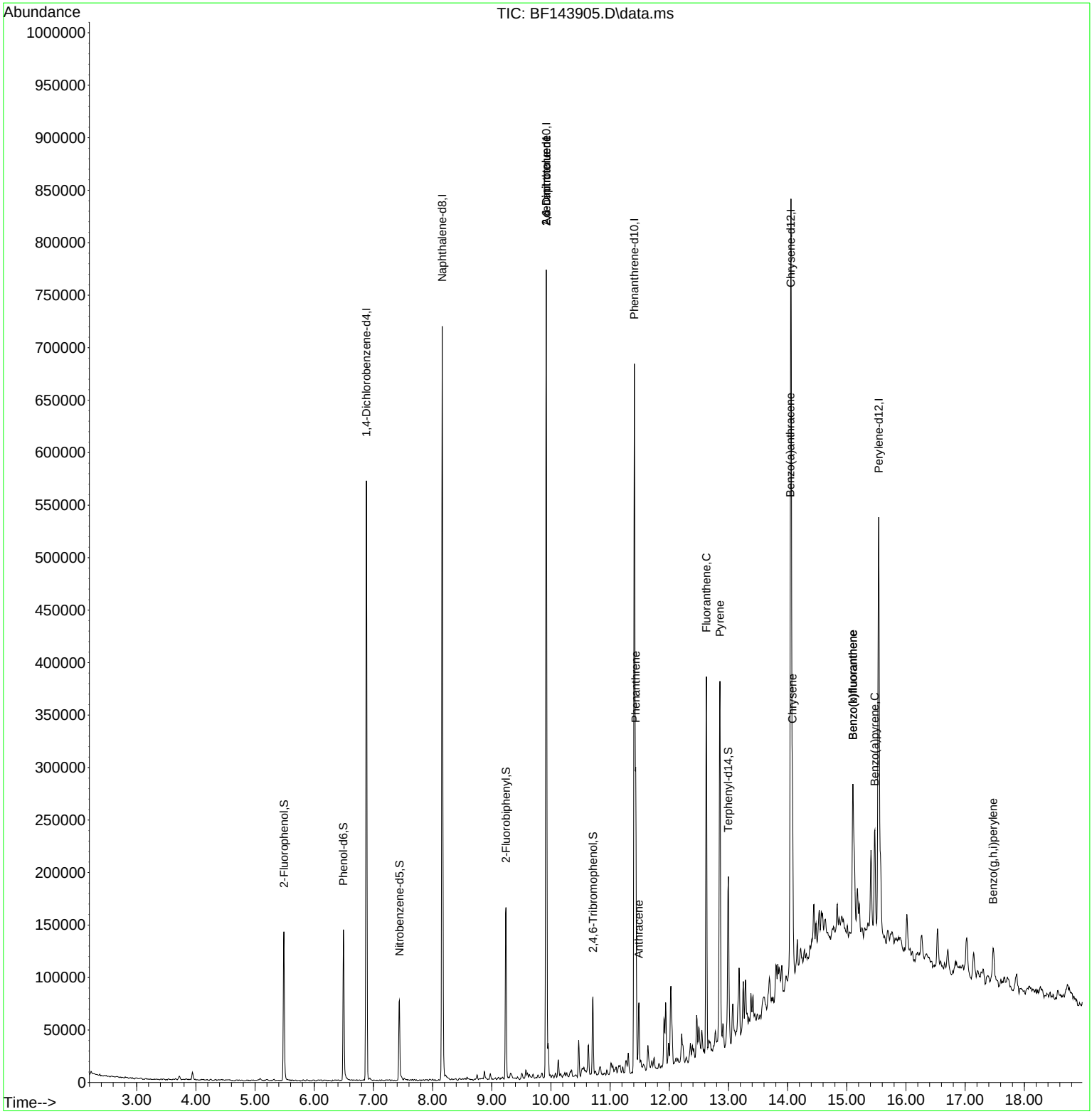
(#) = qualifier out of range (m) = manual integration (+) = signals summed

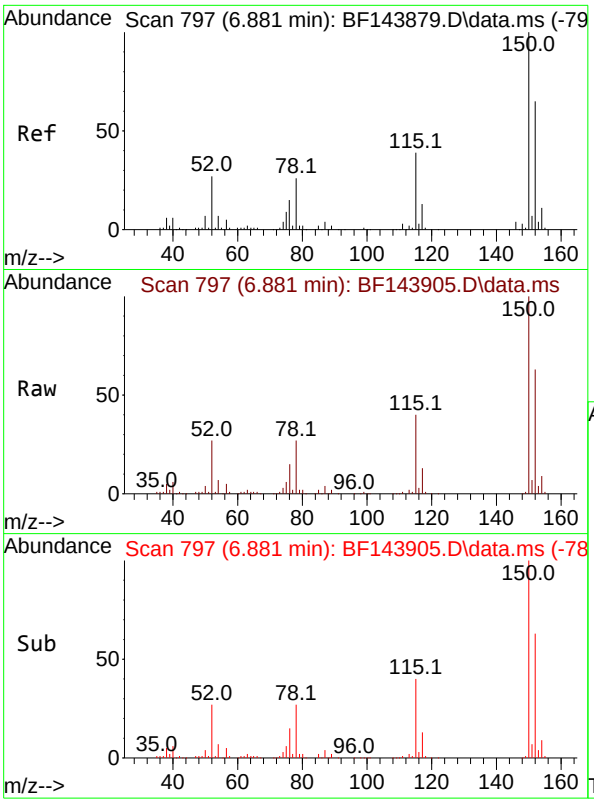
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100825\
Data File : BF143905.D
Acq On : 08 Oct 2025 20:03
Operator : RC/JU
Sample : Q3307-19 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-33(0-0.5)

Quant Time: Oct 09 01:49:26 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



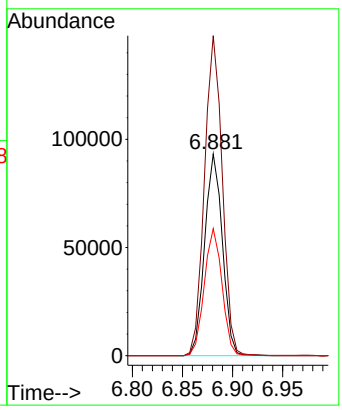


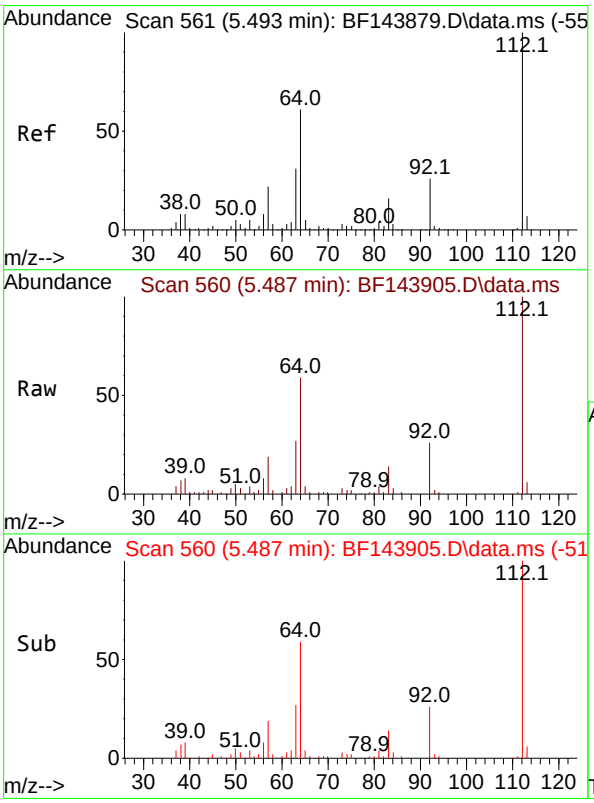
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Instrument :
BNA_F
ClientSampleId :
S-33(0-0.5)

Tgt Ion:152 Resp: 115284

Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.4	186.6
115	63.0	48.1	72.1

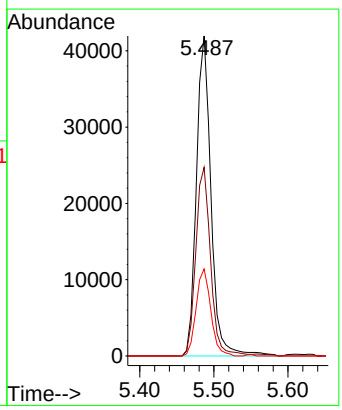


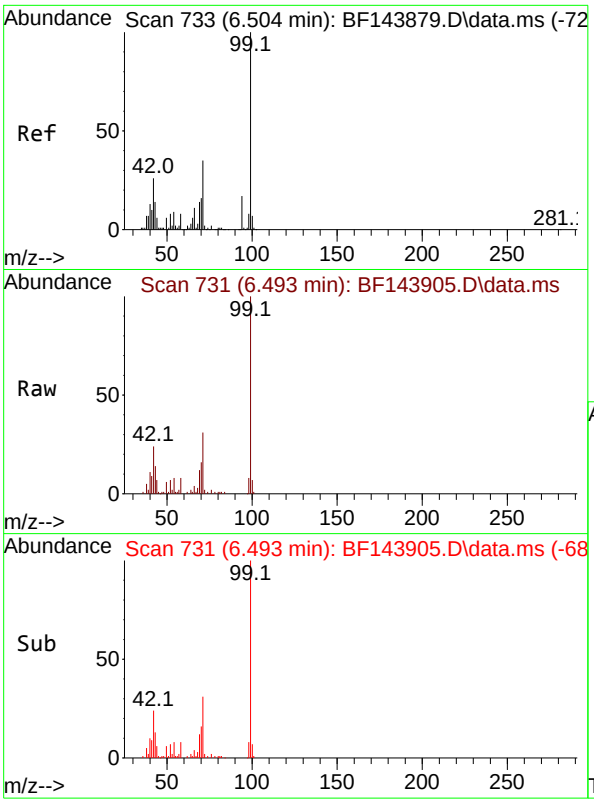


#5
2-Fluorophenol
Concen: 7.902 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.012 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Tgt Ion:112 Resp: 57364

Ion	Ratio	Lower	Upper
112	100		
64	58.9	49.1	73.7
63	27.2	24.5	36.7



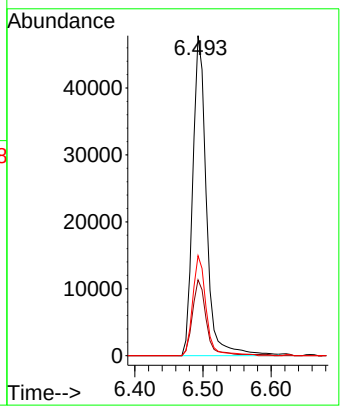


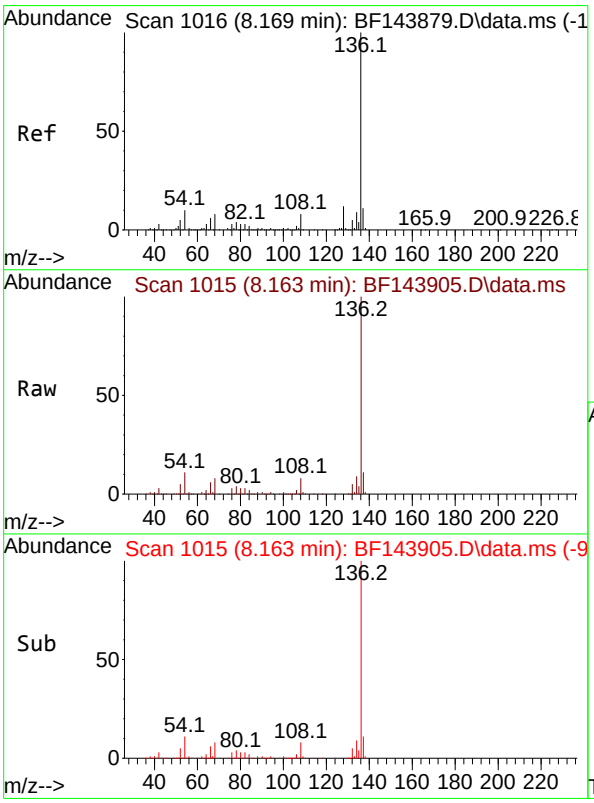
#7
Phenol-d6
Concen: 7.692 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Instrument :
BNA_F
ClientSampleId :
S-33(0-0.5)

Tgt Ion: 99 Resp: 66557

Ion	Ratio	Lower	Upper
99	100		
42	23.7	21.0	31.4
71	31.3	27.8	41.8

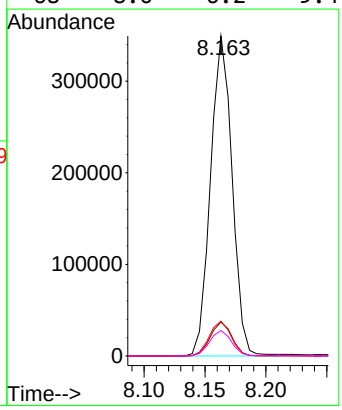


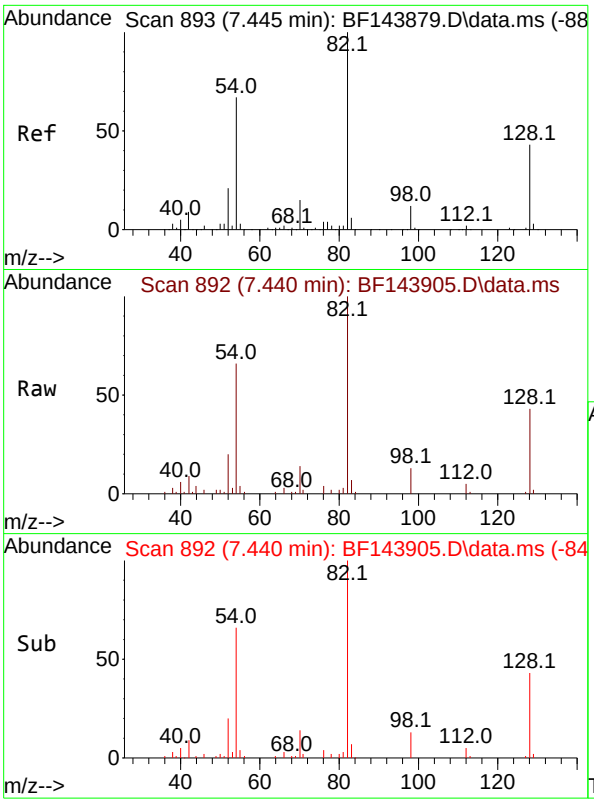


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Tgt Ion:136 Resp: 431169

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	10.9	8.2	12.4
68	8.0	6.2	9.4



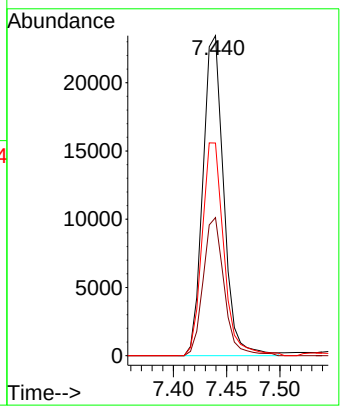


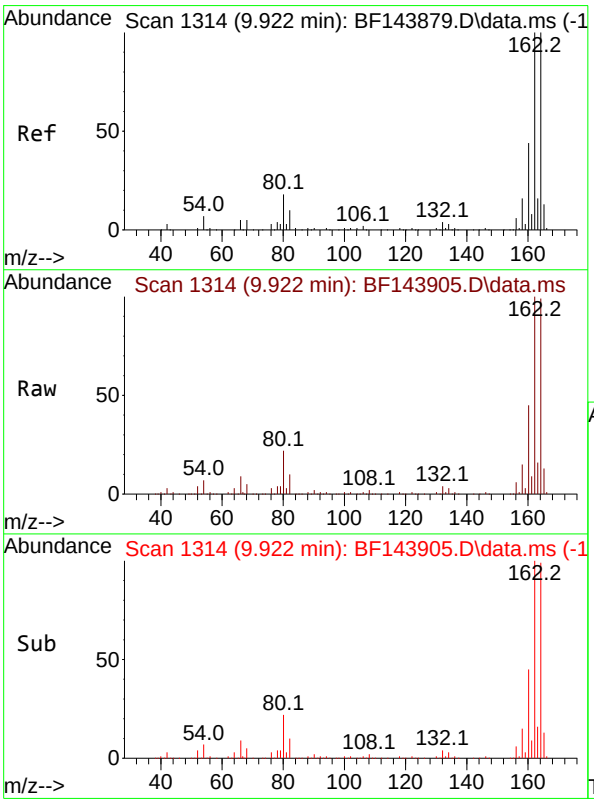
#23
Nitrobenzene-d5
Concen: 4.499 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Instrument :
BNA_F
ClientSampleId :
S-33(0-0.5)

Tgt Ion: 82 Resp: 31926

Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.0	51.0
54	66.5	53.2	79.8

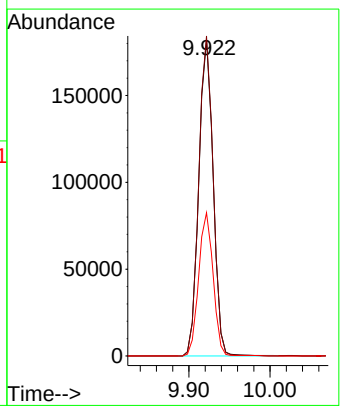


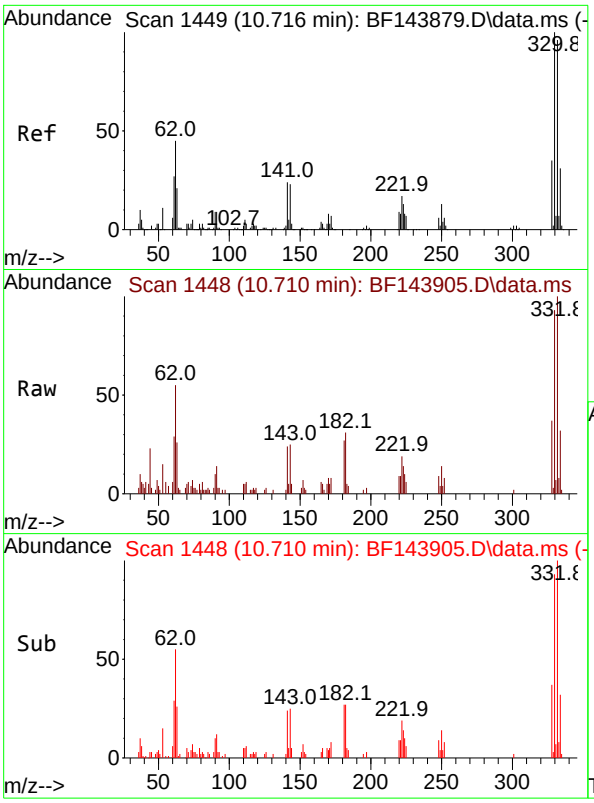


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Tgt Ion:164 Resp: 224689

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.2	120.2
160	45.3	35.4	53.0



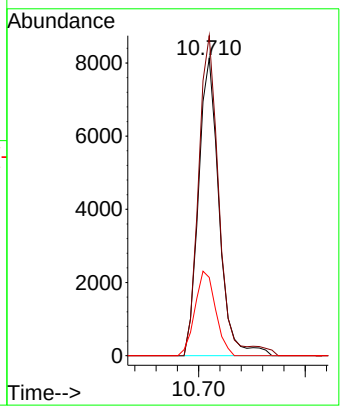


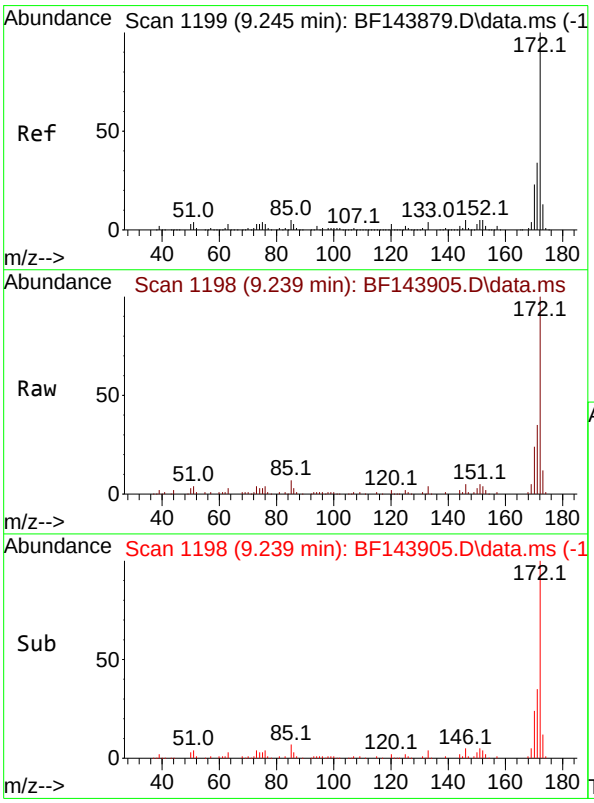
#42
2,4,6-Tribromophenol
Concen: 4.856 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Instrument :
BNA_F
ClientSampleId :
S-33(0-0.5)

Tgt Ion:330 Resp: 10867

Ion	Ratio	Lower	Upper
330	100		
332	106.9	76.9	115.3
141	28.6	20.2	30.4

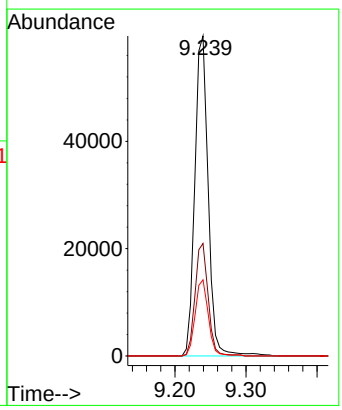


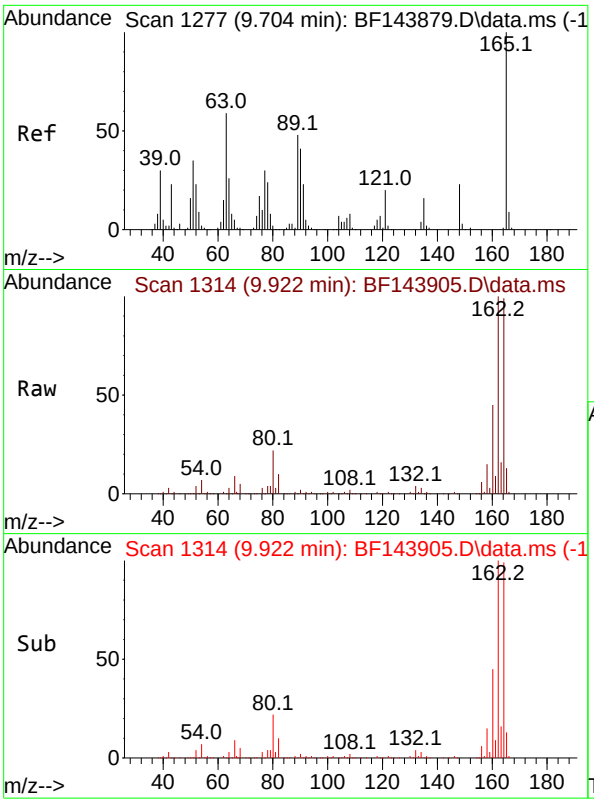


#45
2-Fluorobiphenyl
Concen: 5.536 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Tgt Ion:172 Resp: 78386

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.4	41.0
170	23.8	18.6	28.0



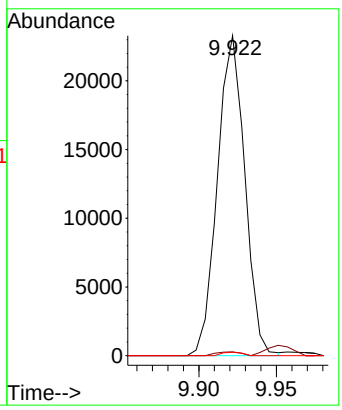


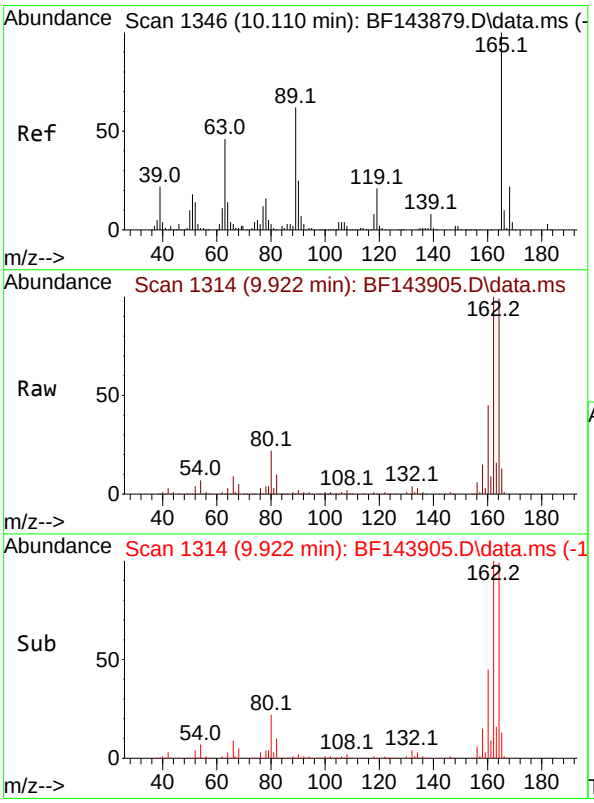
#51
2,6-Dinitrotoluene
Concen: 10.825 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.206 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Instrument :
BNA_F
ClientSampleId :
S-33(0-0.5)

Tgt Ion:165 Resp: 28641

Ion	Ratio	Lower	Upper
165	100		
63	1.2	47.3	70.9#
89	1.1	38.2	57.4#

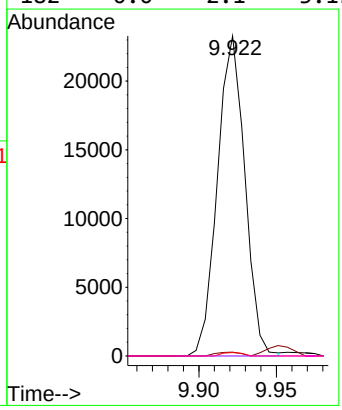


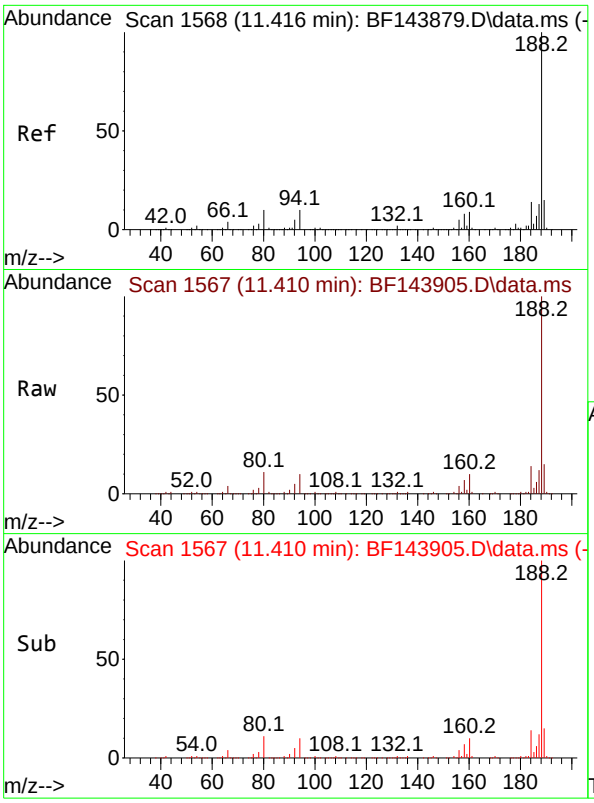


#57
2,4-Dinitrotoluene
Concen: 7.956 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Tgt Ion:165 Resp: 28641

Ion	Ratio	Lower	Upper
165	100		
63	1.2	37.2	55.8#
89	1.1	49.4	74.2#
182	0.0	2.1	3.1#



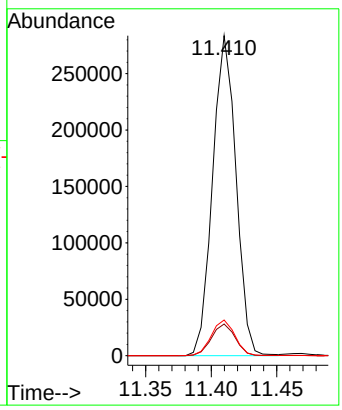


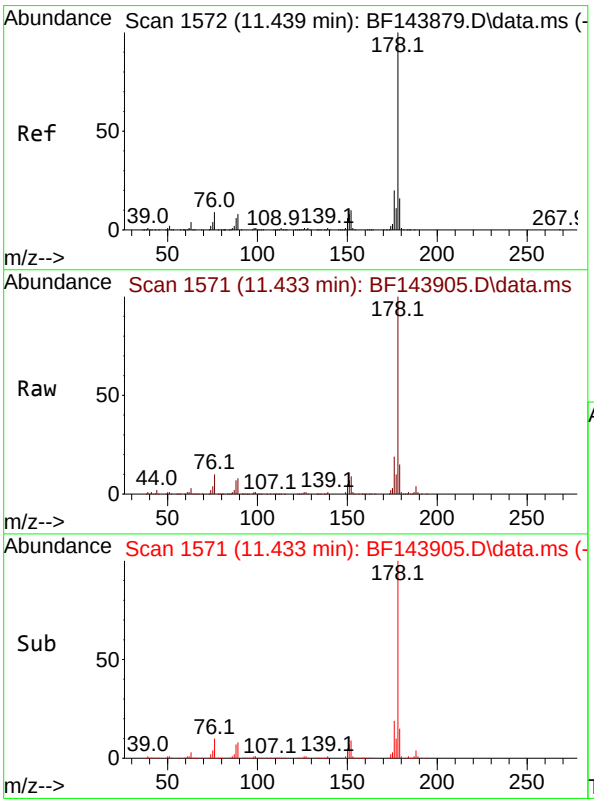
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Instrument :
BNA_F
ClientSampleId :
S-33(0-0.5)

Tgt Ion:188 Resp: 351843

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.8	11.6
80	11.2	7.9	11.9

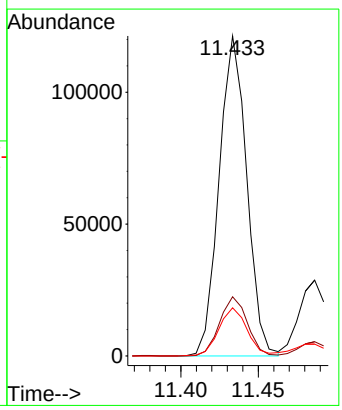


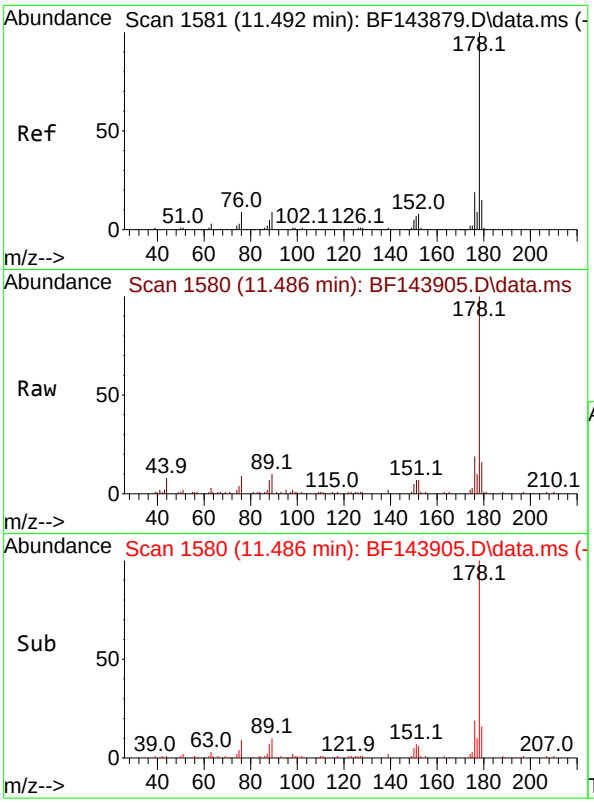


#71
Phenanthrene
Concen: 8.809 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Tgt Ion:178 Resp: 150253

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.9	23.9
179	15.1	12.4	18.6



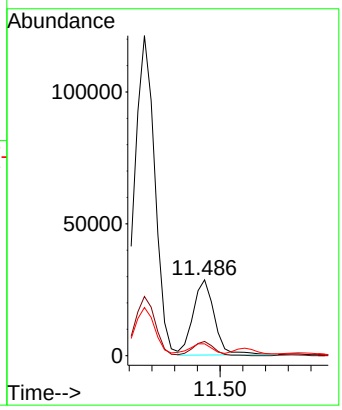


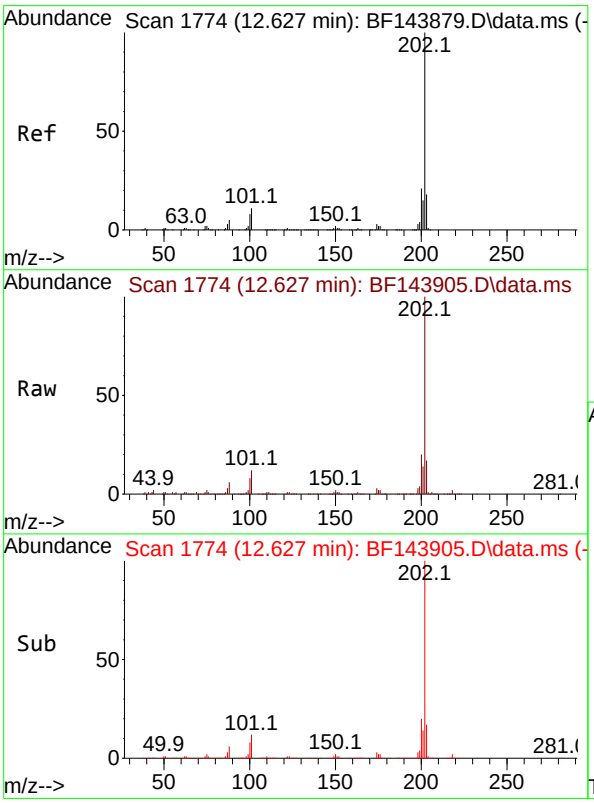
#72
Anthracene
Concen: 2.149 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Instrument :
BNA_F
ClientSampleId :
S-33(0-0.5)

Tgt Ion:178 Resp: 37033

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.7	12.2	18.2

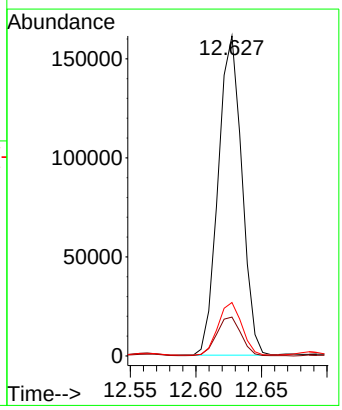


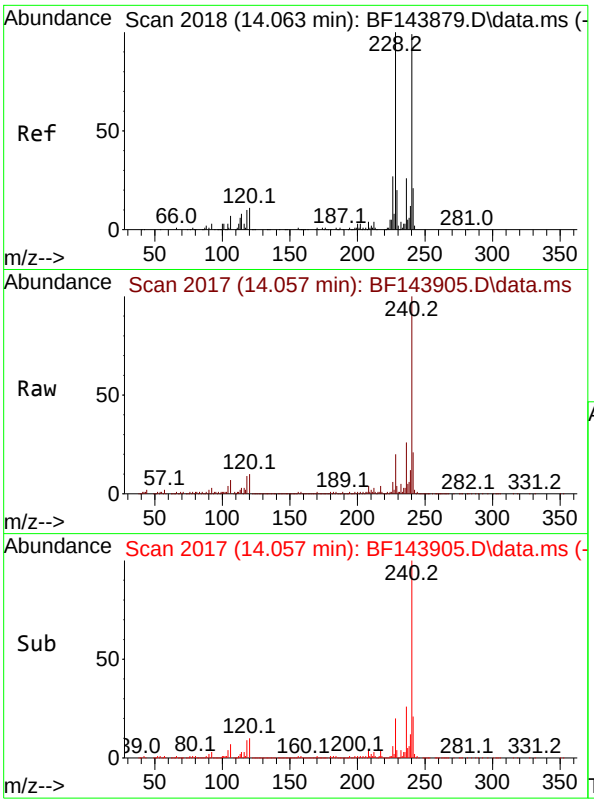


#75
Fluoranthene
Concen: 11.475 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Tgt Ion:202 Resp: 202185

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	30.7
203	16.7	0.0	37.8



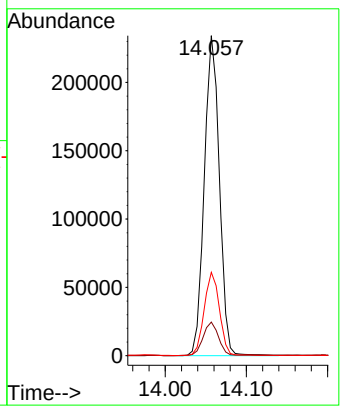


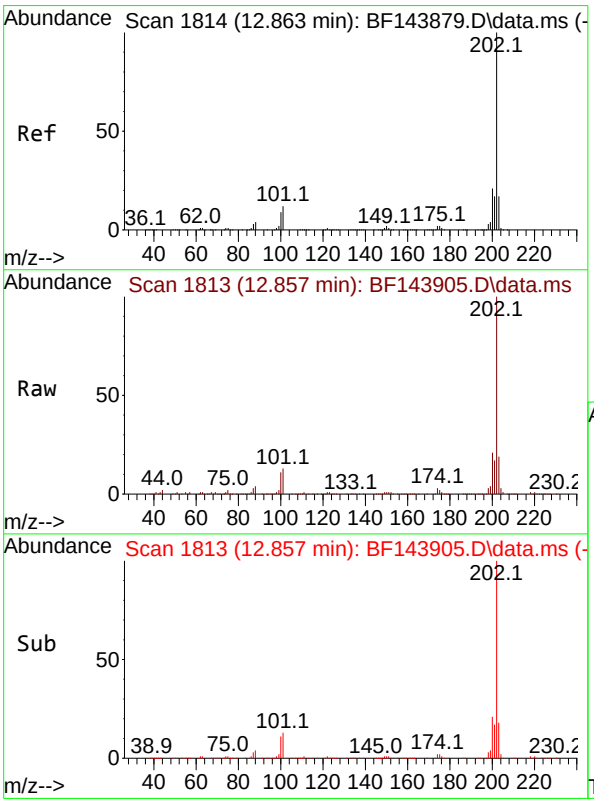
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Instrument :
BNA_F
ClientSampleId :
S-33(0-0.5)

Tgt Ion:240 Resp: 301832

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.6	13.0
236	26.0	21.1	31.7

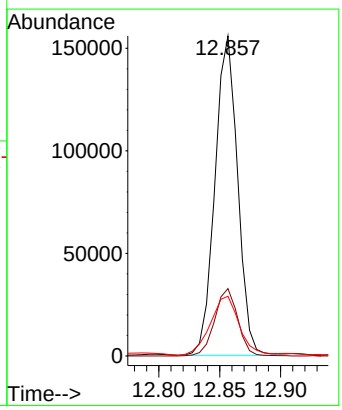


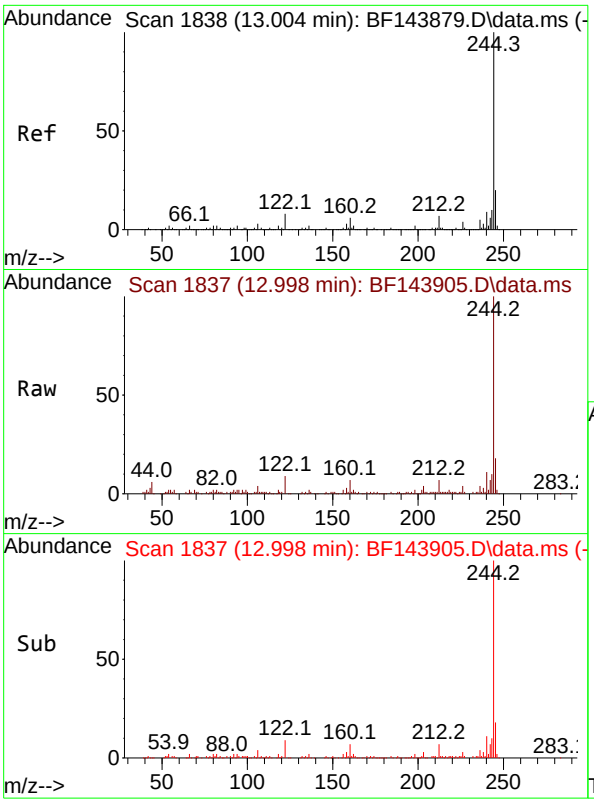


#78
Pyrene
Concen: 8.036 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Tgt Ion:202 Resp: 202217

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.6
203	18.6	13.8	20.6



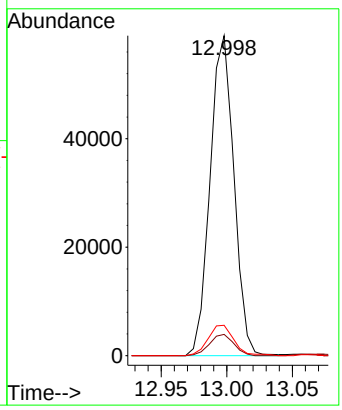


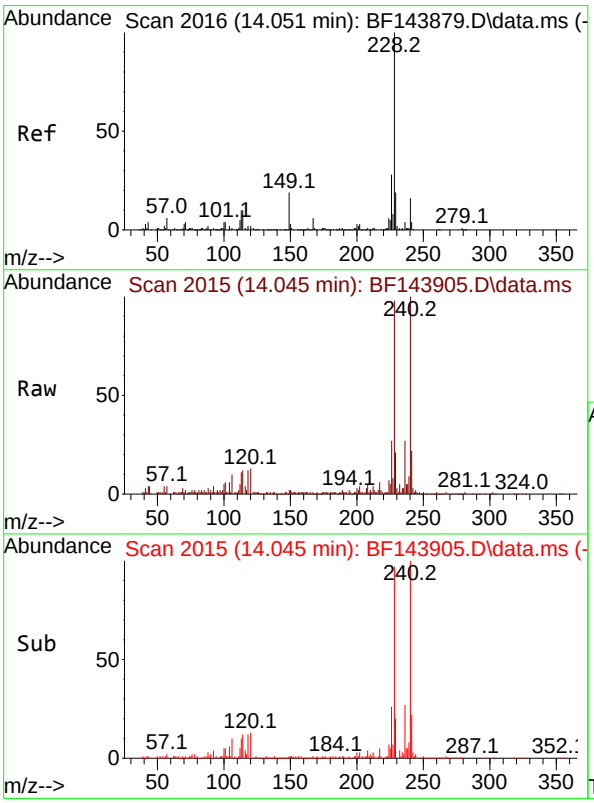
#79
Terphenyl-d14
Concen: 4.225 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Instrument :
BNA_F
ClientSampleId :
S-33(0-0.5)

Tgt Ion:244 Resp: 74622

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.5	6.4	9.6

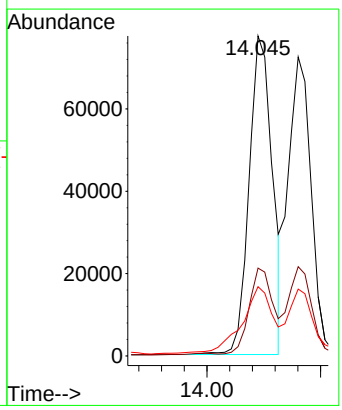


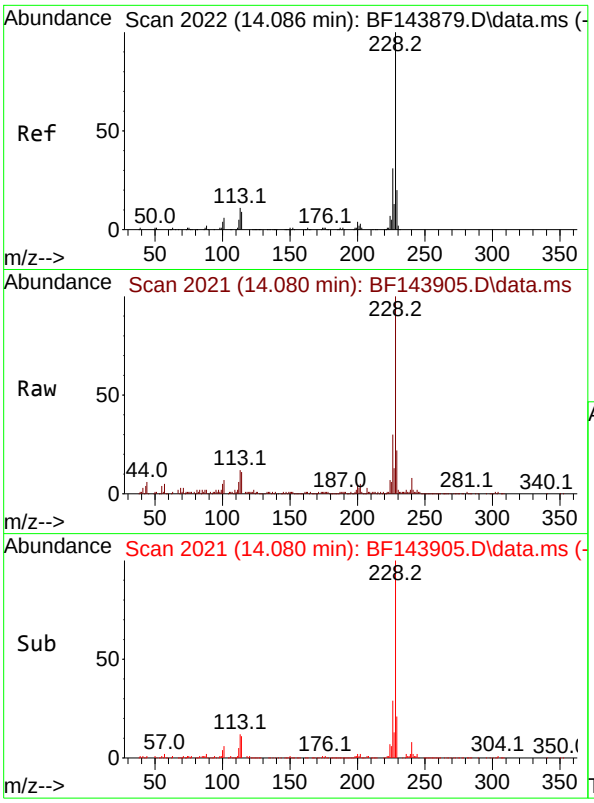


#81
Benzo(a)anthracene
Concen: 5.559 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Tgt Ion:228 Resp: 109799

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.2
229	21.7	15.6	23.4



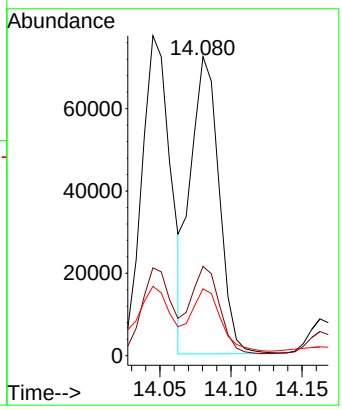


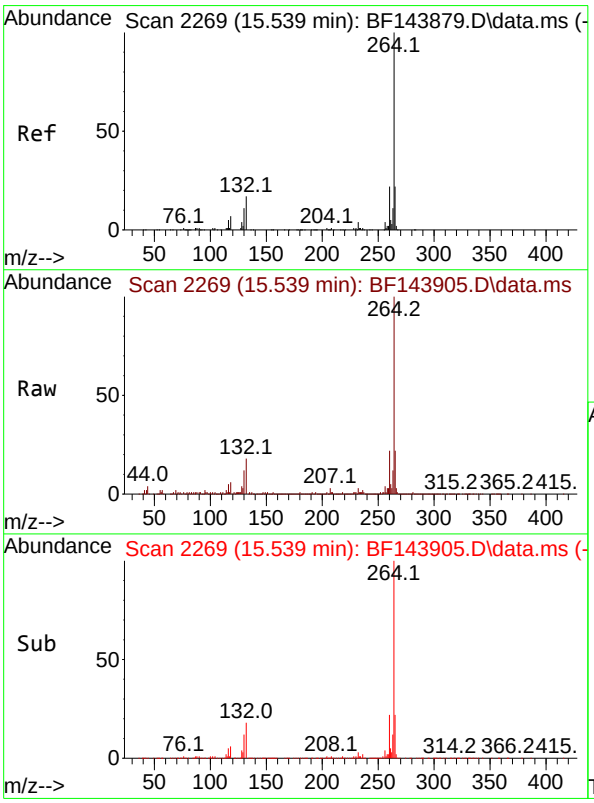
#83
Chrysene
Concen: 5.501 ng
RT: 14.080 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Instrument :
BNA_F
ClientSampleId :
S-33(0-0.5)

Tgt Ion:228 Resp: 100569

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.4	36.6
229	22.4	15.9	23.9

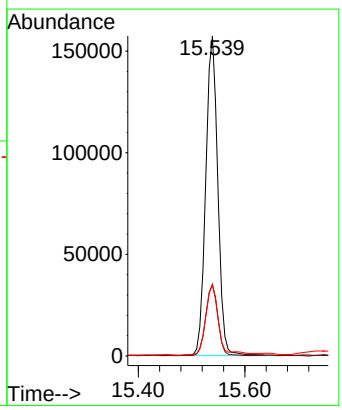


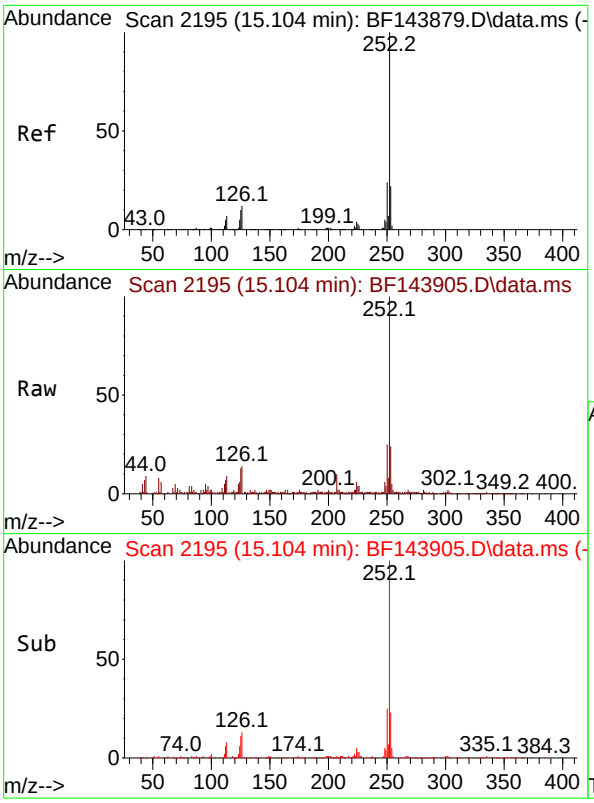


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Tgt Ion:264 Resp: 246493

Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.8	26.8
265	22.2	17.5	26.3



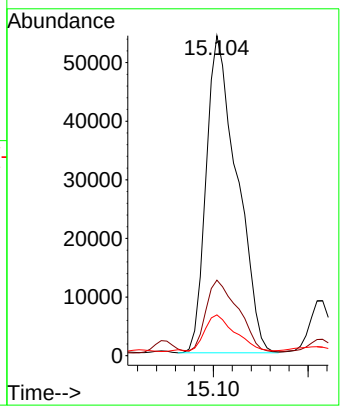


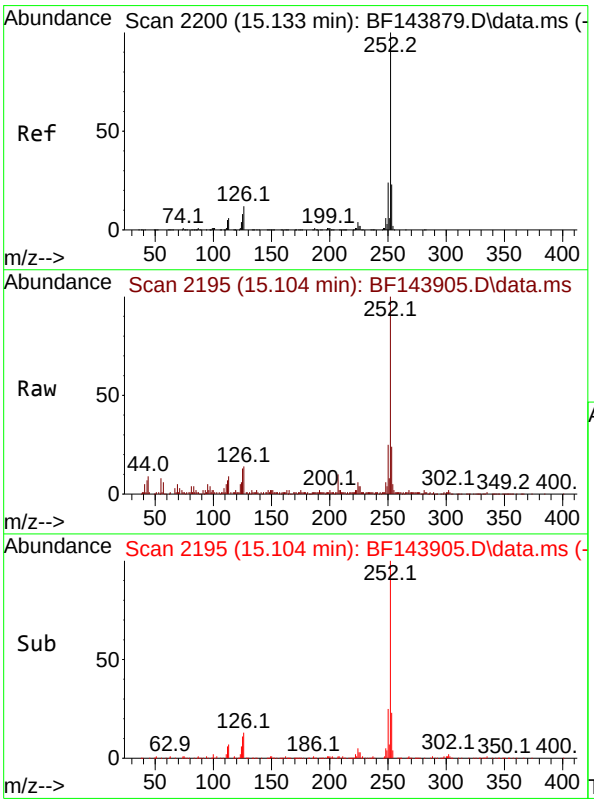
#88
Benzo(b)fluoranthene
Concen: 8.624 ng
RT: 15.104 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Instrument :
BNA_F
ClientSampleId :
S-33(0-0.5)

Tgt Ion:252 Resp: 122114

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.2
125	12.7	7.8	11.6#

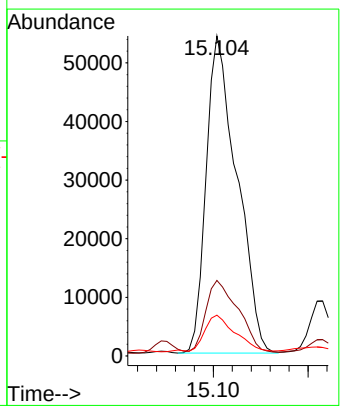


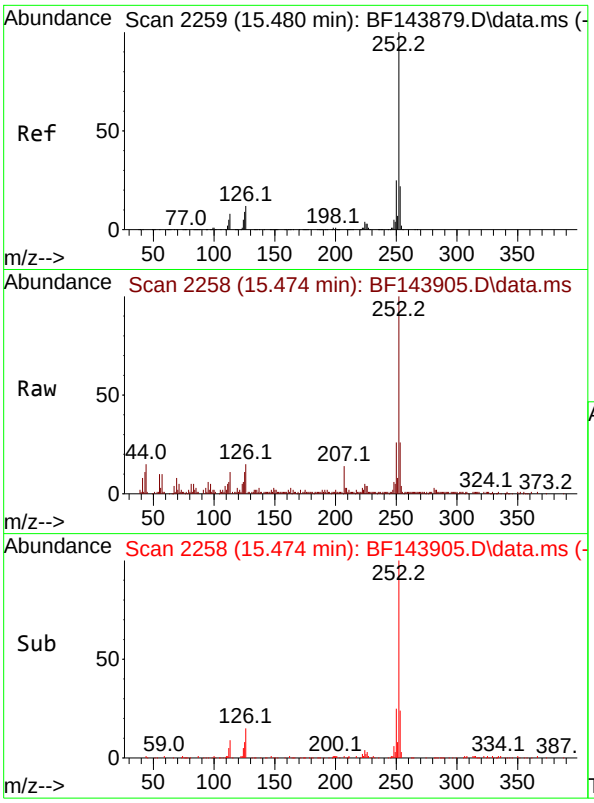


#89
Benzo(k)fluoranthene
Concen: 9.320 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.041 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Tgt Ion:252 Resp: 122114

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	12.7	7.4	11.2#



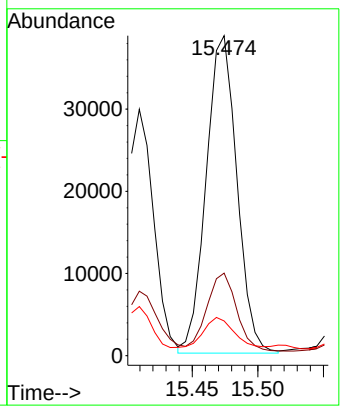


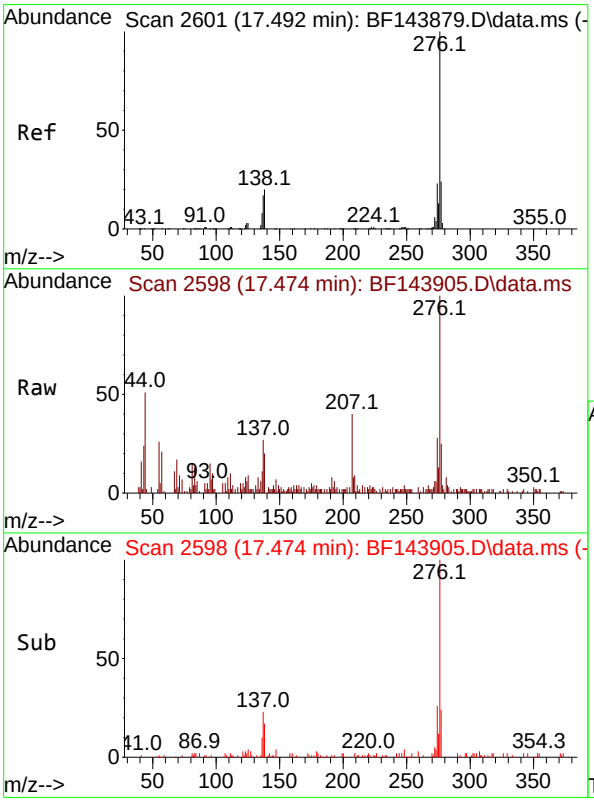
#90
Benzo(a)pyrene
Concen: 5.136 ng
RT: 15.474 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Instrument :
BNA_F
ClientSampleId :
S-33(0-0.5)

Tgt Ion:252 Resp: 63052

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.3	25.9
125	10.9	7.0	10.4#





#92
Benzo(g,h,i)perylene
Concen: 2.342 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.041 min
Lab File: BF143905.D
Acq: 08 Oct 2025 20:03

Tgt Ion:276 Resp: 28453

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.6
138	19.8	16.1	24.1