Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141927.D
Acq On : 11 Mar 2025 20:42
Operator : RC/JU
Sample : Q1507-01DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Quant Time: Mar 12 01:17:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	131225	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	492460	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	255146	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	397084	20.000	ng		0.00
76) Chrysene-d12	14.039	240	335907	20.000	ng		0.00
86) Perylene-d12	15.509	264	243609	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	144904	18.429	ng		0.00
7) Phenol-d6	6.492	99	183452	18.325	ng		-0.01
23) Nitrobenzene-d5	7.434	82	118416	13.532	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	46731	14.437	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	238046	14.189	ng		0.00
79) Terphenyl-d14	12.980	244	220883	9.722	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	15972	2.483	ng	#	80
25) Isophorone	7.434	82	113112	7.312	ng	#	64
51) 2,6-Dinitrotoluene	9.910	165	32596	8.762	ng	#	23
57) 2,4-Dinitrotoluene	9.910	165	32761	6.743	ng	#	24
71) Phenanthrene	11.422	178	351912	16.408	ng		98
72) Anthracene	11.474	178	115761	5.380	ng		98
75) Fluoranthene	12.616	202	1334890	58.674	ng		100
78) Pyrene	12.845	202	1195119	41.131	ng		99
81) Benzo(a)anthracene	14.027	228	771521	35.002	ng		99
83) Chrysene	14.063	228	704708	35.270	ng		98
87) Indeno(1,2,3-cd)pyrene	16.986	276	138560	8.793	ng		95
88) Benzo(b)fluoranthene	15.080	252	781130	46.786	ng		98
89) Benzo(k)fluoranthene	15.080	252	781130	54.671	ng		98
90) Benzo(a)pyrene	15.445	252	306325	23.448	ng		97
91) Dibenzo(a,h)anthracene	17.004	278	43570	3.351	ng	#	91
92) Benzo(g,h,i)perylene	17.439	276	118200	9.199	ng		98

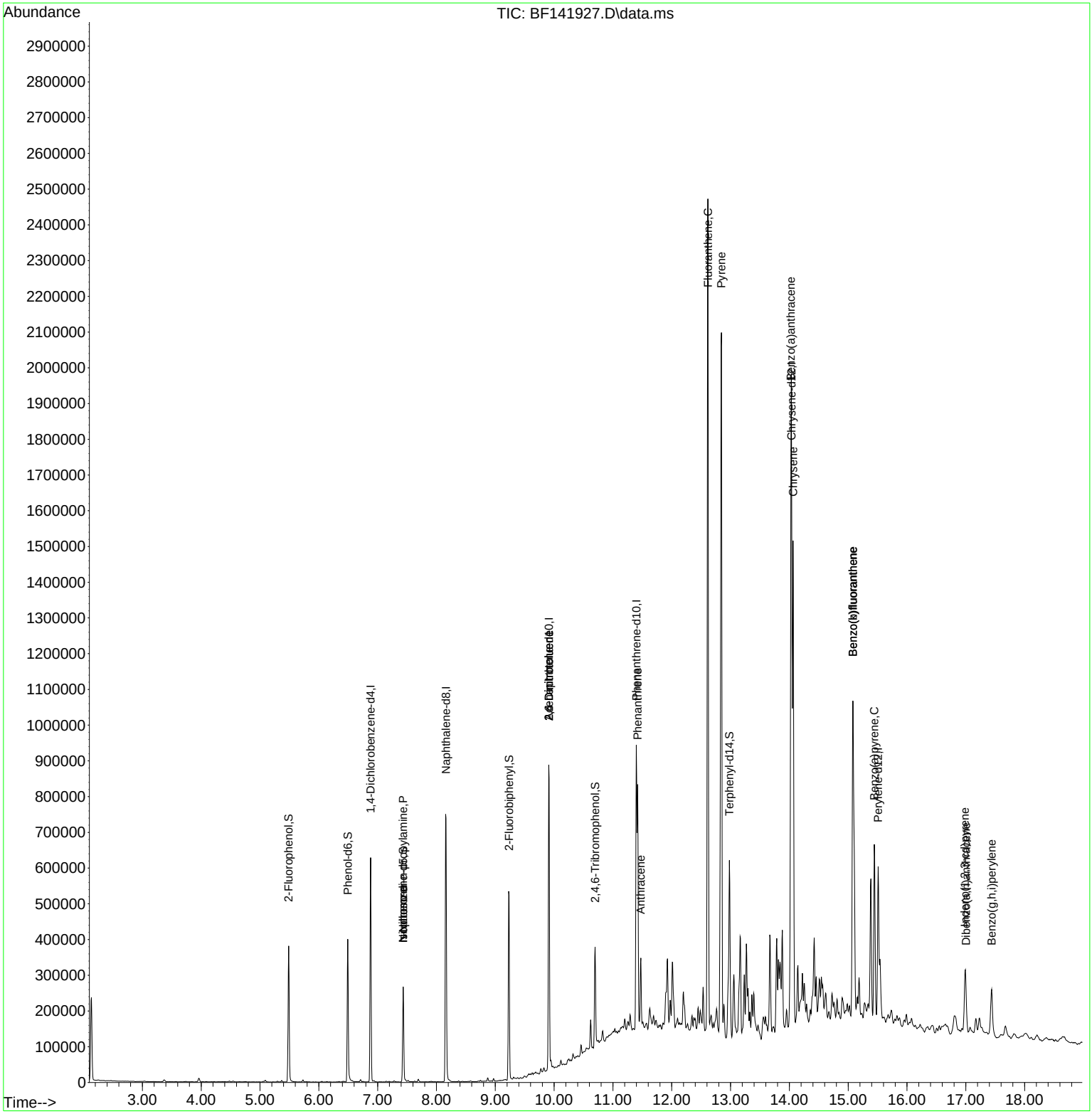
(#) = qualifier out of range (m) = manual integration (+) = signals summed

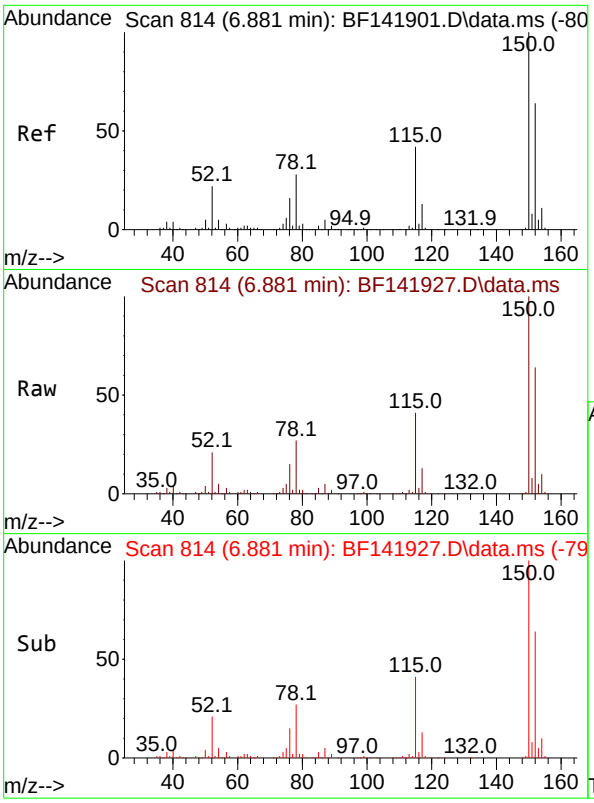
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141927.D
Acq On : 11 Mar 2025 20:42
Operator : RC/JU
Sample : Q1507-01DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Quant Time: Mar 12 01:17:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



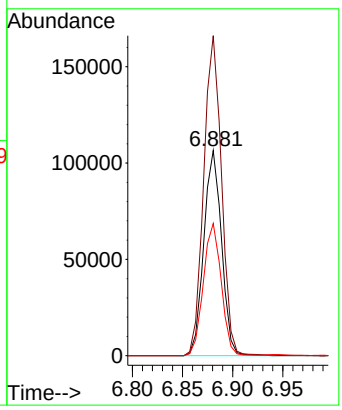


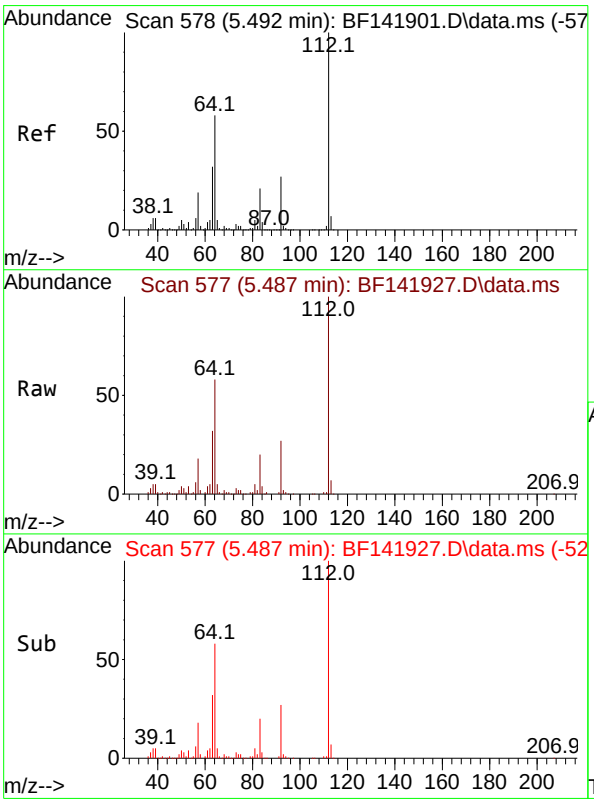
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:152 Resp: 131225

Ion	Ratio	Lower	Upper
152	100		
150	156.0	127.4	191.2
115	64.4	51.9	77.9

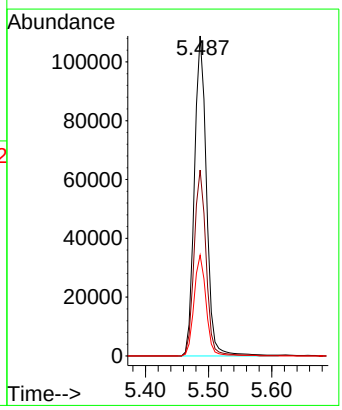


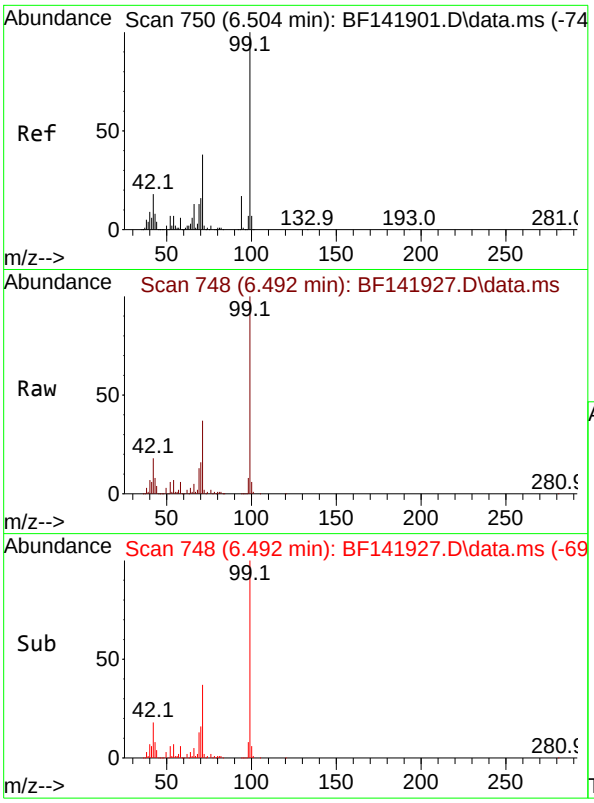


#5
2-Fluorophenol
Concen: 18.429 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Tgt Ion:112 Resp: 144904

Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.5	69.7
63	31.5	25.4	38.2



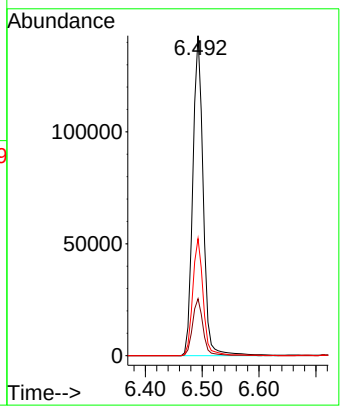


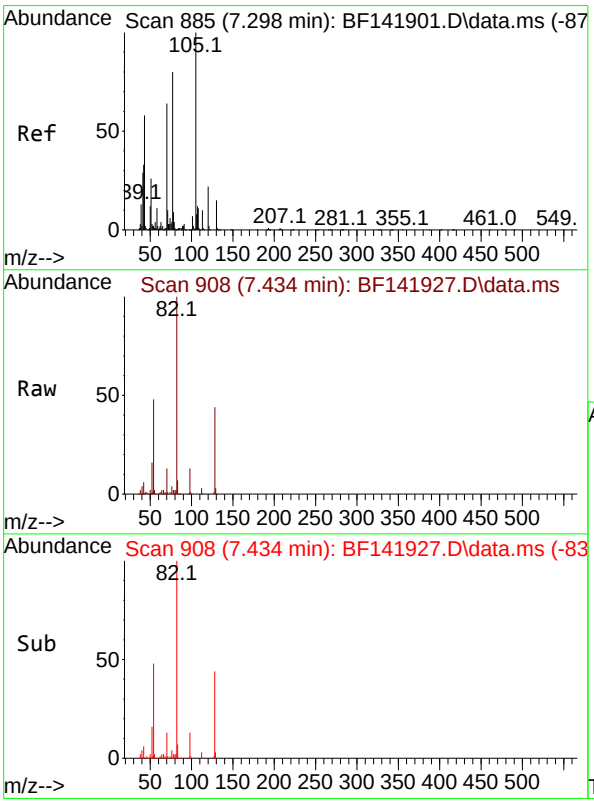
#7
Phenol-d6
Concen: 18.325 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion: 99 Resp: 183452

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.6	21.8
71	36.6	30.8	46.2

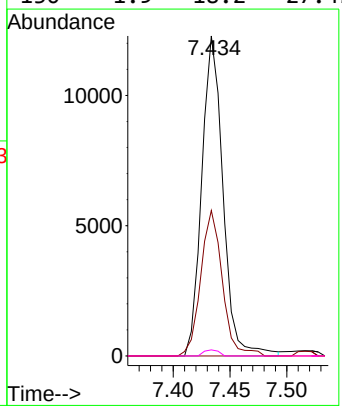


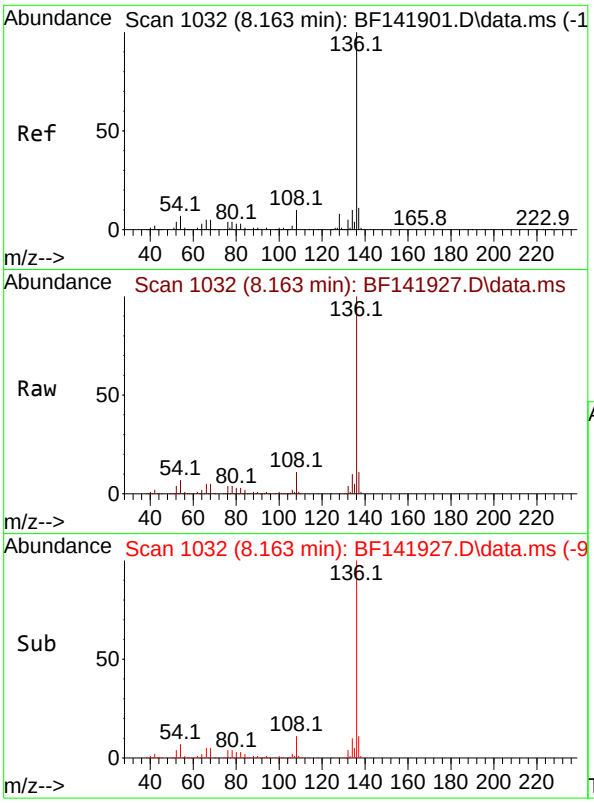


#19
n-Nitroso-di-n-propylamine
Concen: 2.483 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Tgt Ion: 70 Resp: 15972

Ion	Ratio	Lower	Upper
70	100		
42	45.4	41.4	62.0
101	0.0	8.2	12.2#
130	1.9	18.2	27.4#



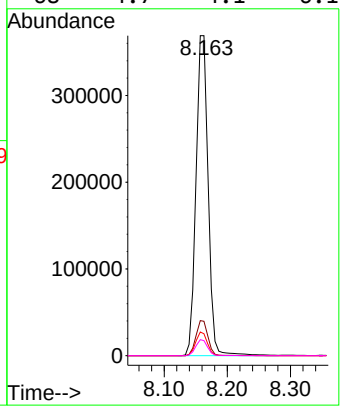


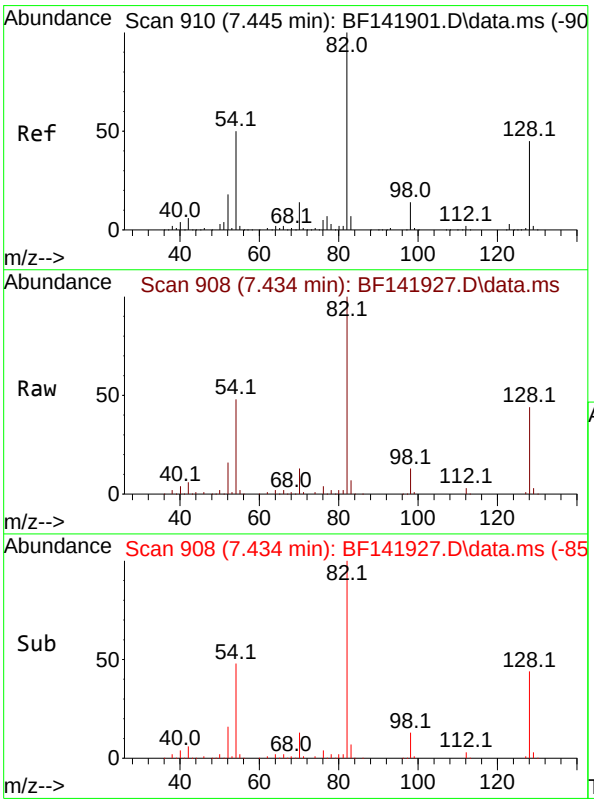
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:136 Resp: 492460

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.9	5.8	8.8
68	4.7	4.1	6.1

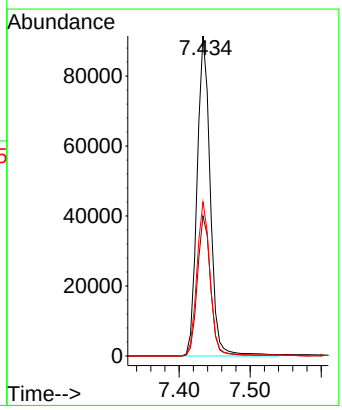


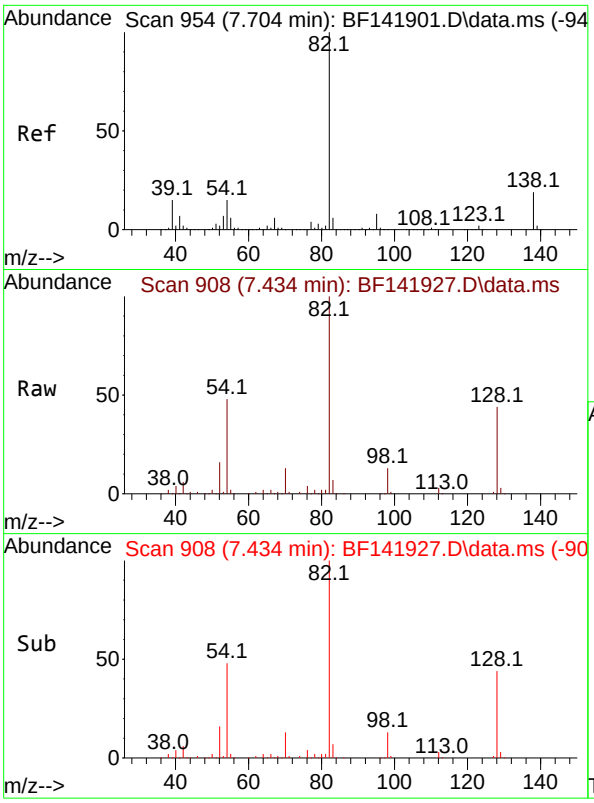


#23
Nitrobenzene-d5
Concen: 13.532 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Tgt Ion: 82 Resp: 118416

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.0	54.0
54	48.2	39.6	59.4



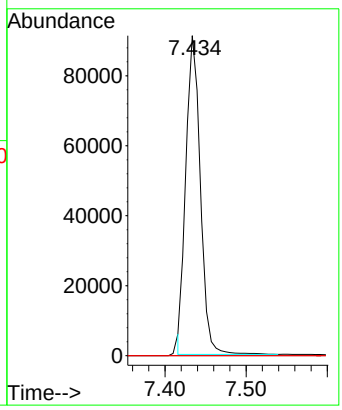


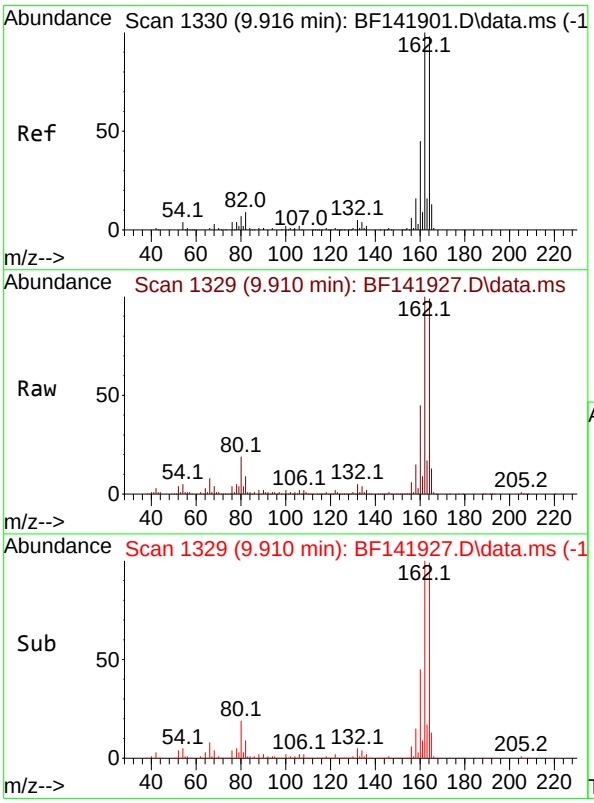
#25
Isophorone
Concen: 7.312 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.271 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion: 82 Resp: 113112

Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.4	9.6#
138	0.0	14.9	22.3#

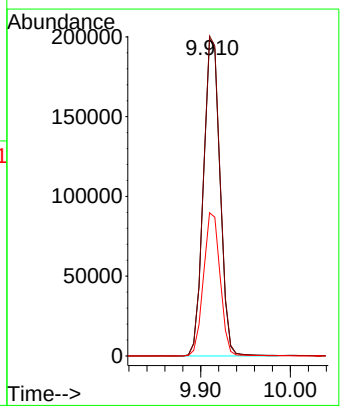


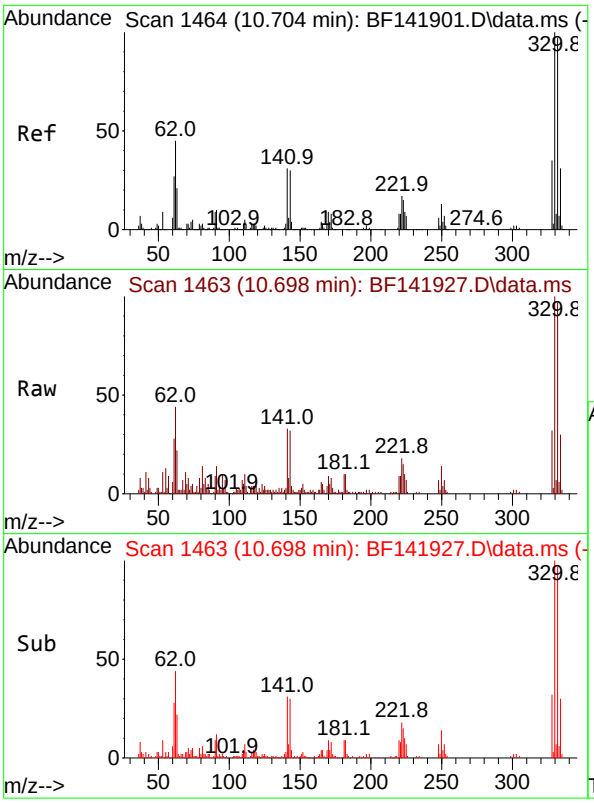


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Tgt Ion:164 Resp: 255146

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.8	122.6
160	45.1	36.7	55.1



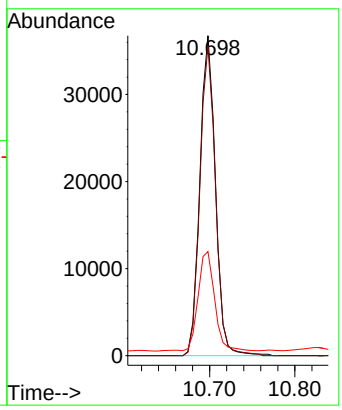


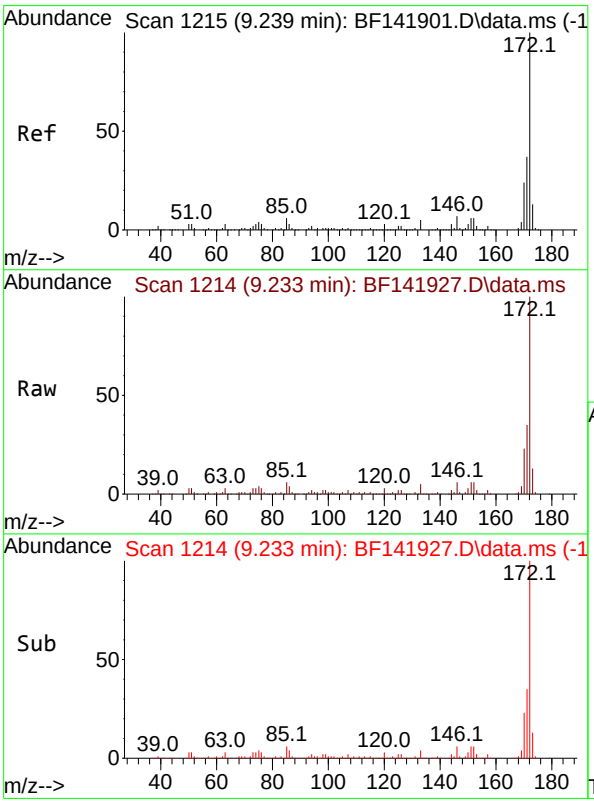
#42
2,4,6-Tribromophenol
Concen: 14.437 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:330 Resp: 46731

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.6	116.4
141	33.1	24.7	37.1

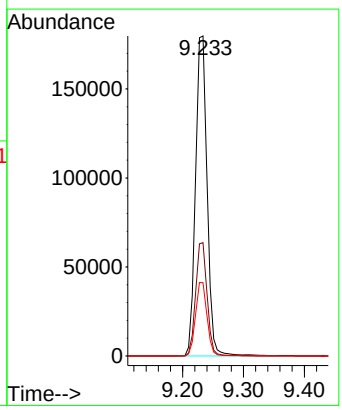


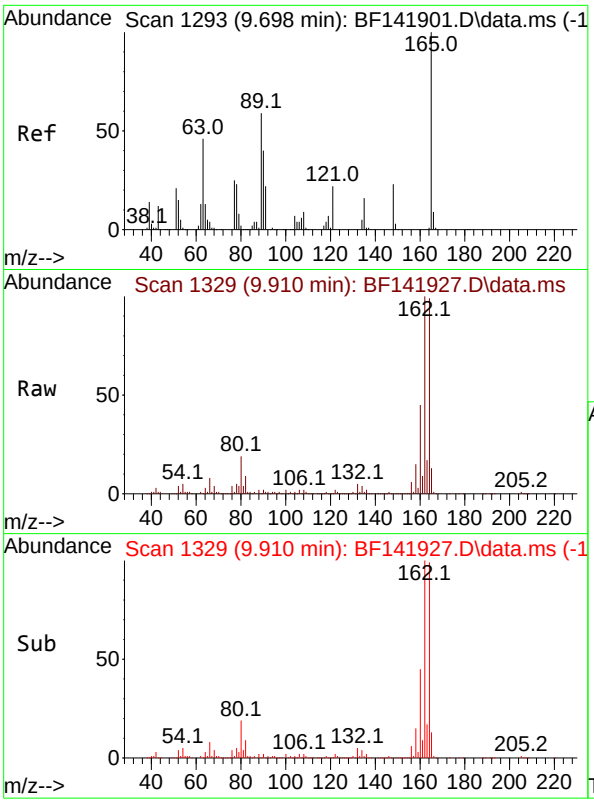


#45
2-Fluorobiphenyl
Concen: 14.189 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Tgt Ion:172 Resp: 238046

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.3	43.9
170	22.9	19.4	29.0



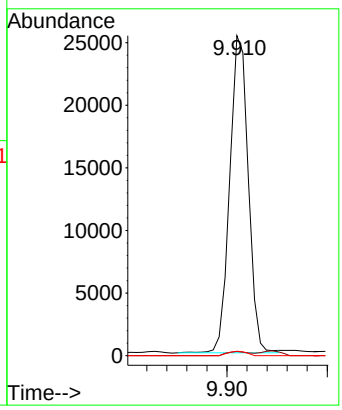


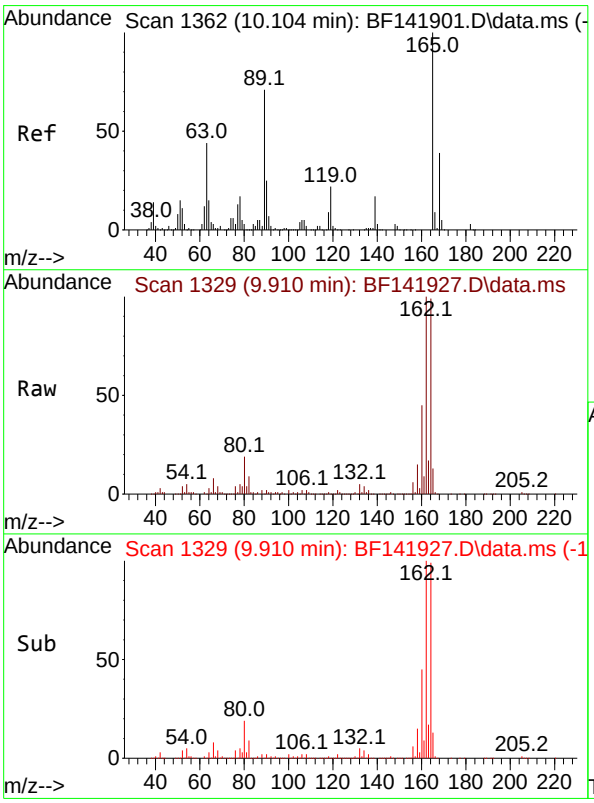
#51
2,6-Dinitrotoluene
Concen: 8.762 ng
RT: 9.910 min Scan# 1
Delta R.T. 0.212 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:165 Resp: 32596

Ion	Ratio	Lower	Upper
165	100		
63	1.3	47.0	70.4#
89	1.4	47.4	71.2#

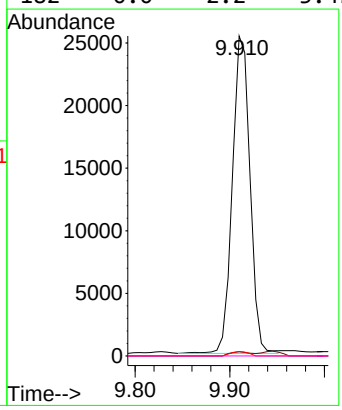


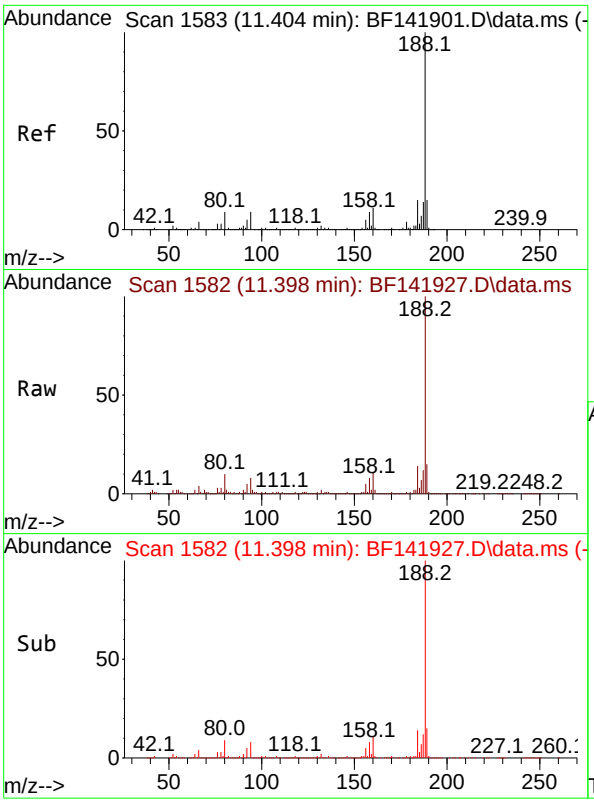


#57
2,4-Dinitrotoluene
Concen: 6.743 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Tgt Ion:165 Resp: 32761

Ion	Ratio	Lower	Upper
165	100		
63	1.3	35.4	53.2#
89	1.4	56.6	84.8#
182	0.0	2.2	3.4#



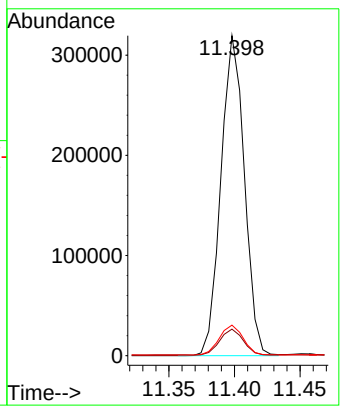


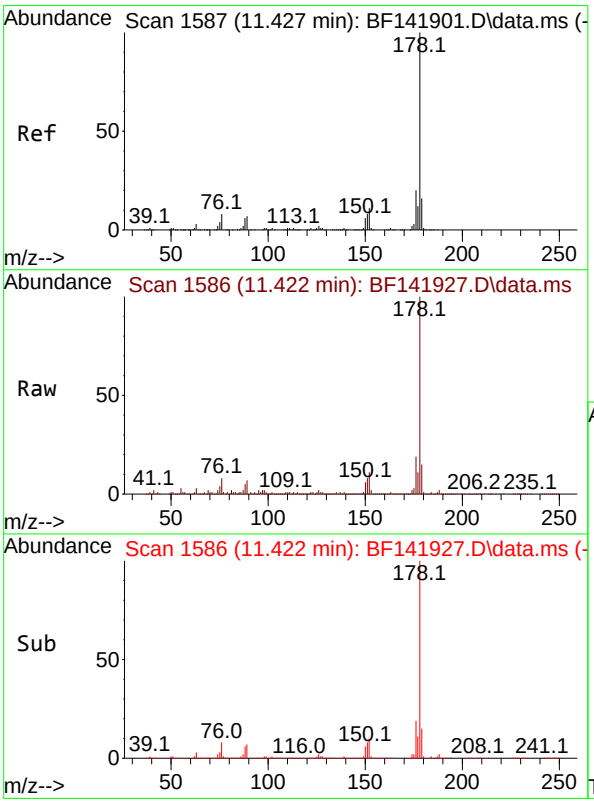
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:188 Resp: 397084

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.8	10.2
80	9.6	7.6	11.4

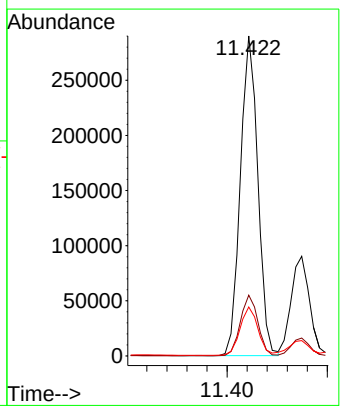


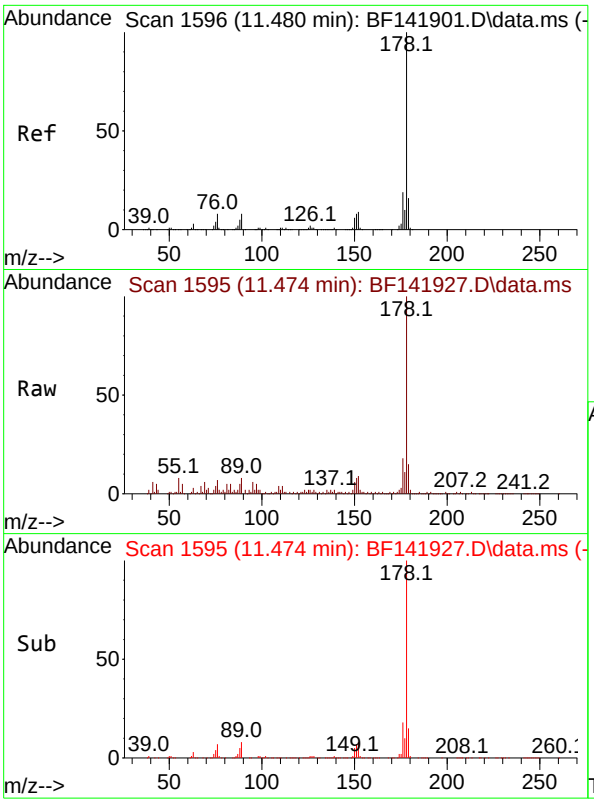


#71
Phenanthrene
Concen: 16.408 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Tgt Ion:178 Resp: 351912

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.3	12.6	19.0



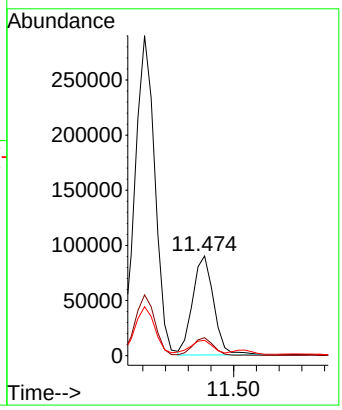


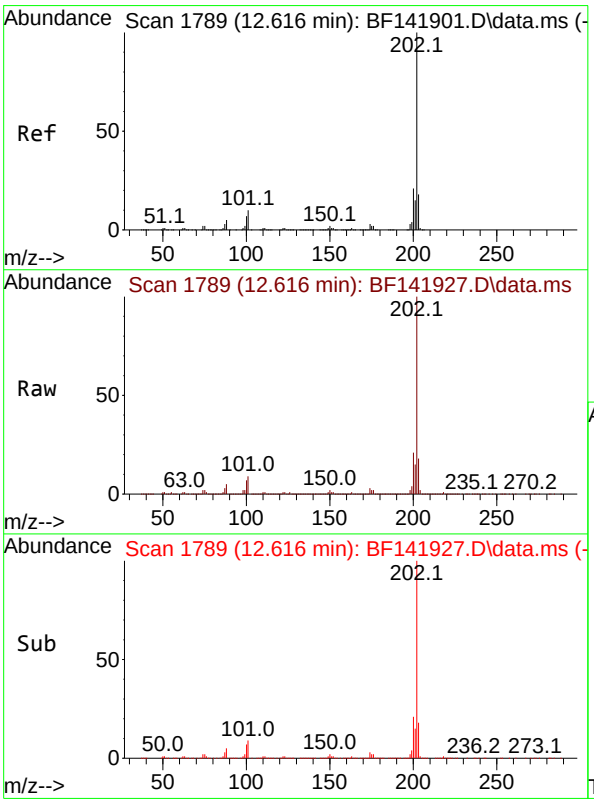
#72
Anthracene
Concen: 5.380 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:178 Resp: 115761

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.1	22.7
179	15.4	12.6	19.0

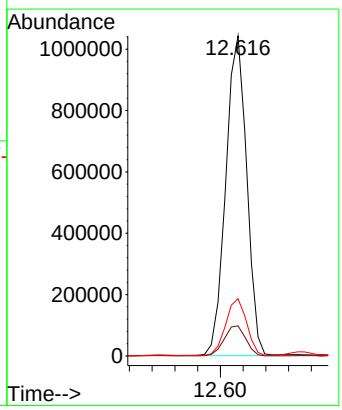


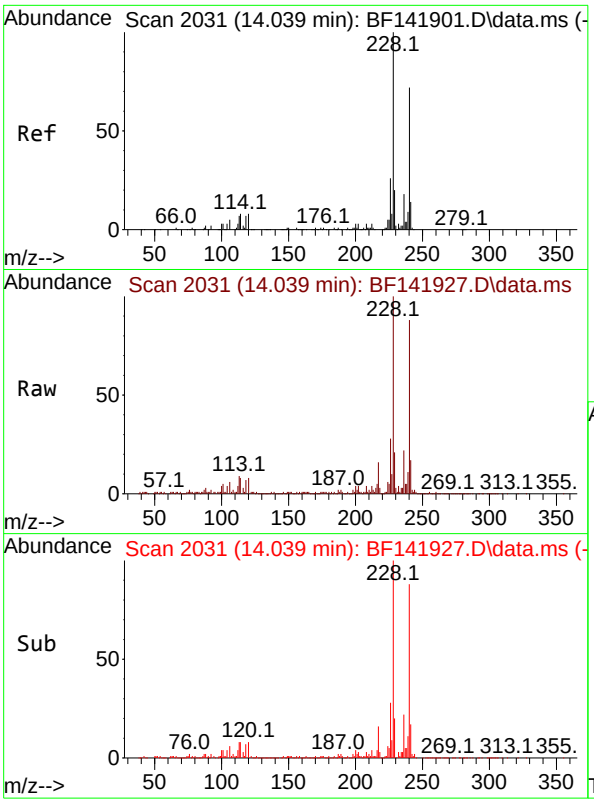


#75
Fluoranthene
Concen: 58.674 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Tgt Ion:202 Resp: 1334890

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.7
203	17.9	0.0	37.8



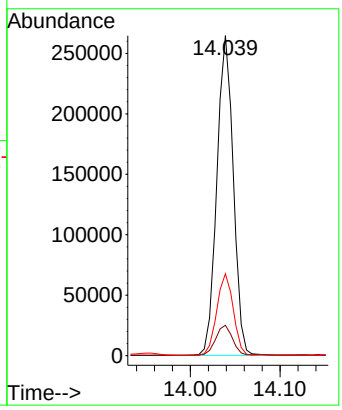


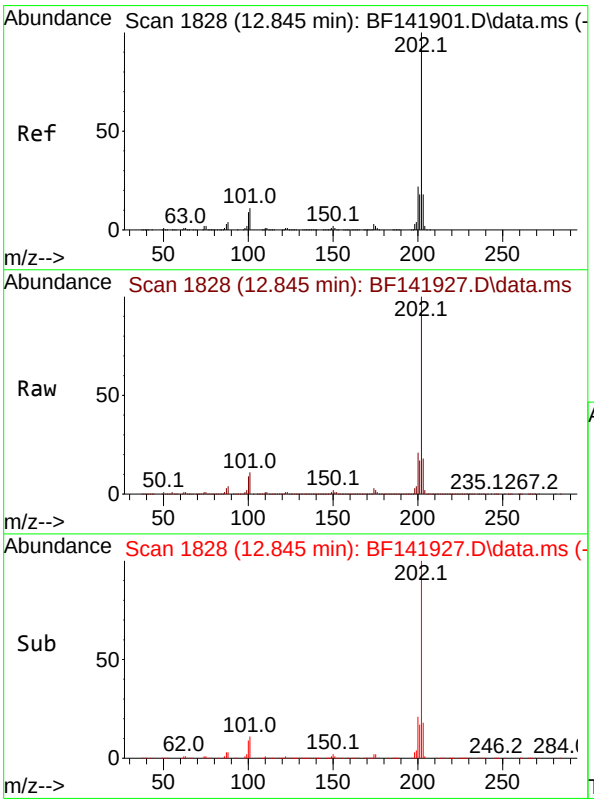
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:240 Resp: 335907

Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.4	12.6
236	25.6	20.5	30.7

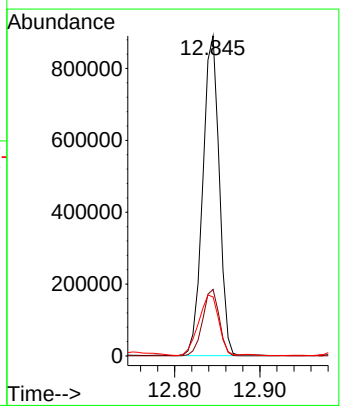


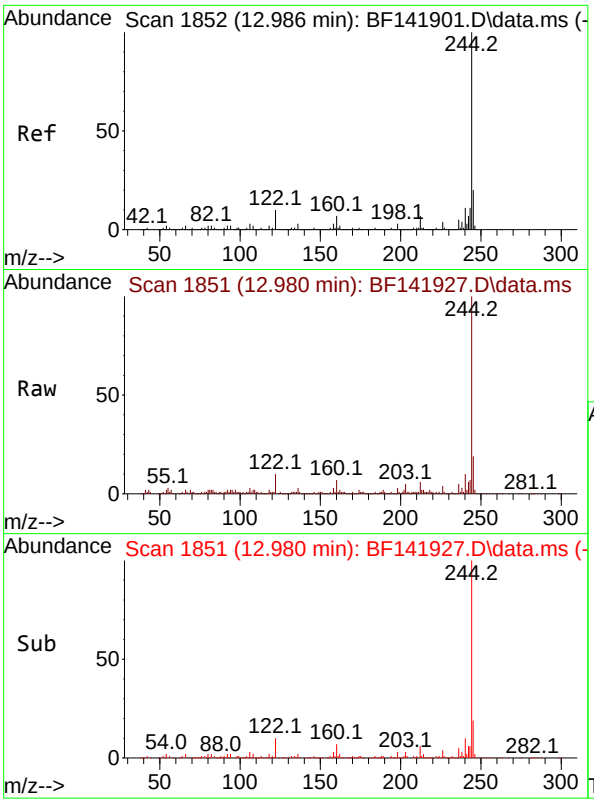


#78
Pyrene
Concen: 41.131 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Tgt Ion:202 Resp: 1195119

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.3	25.9
203	18.5	14.4	21.6



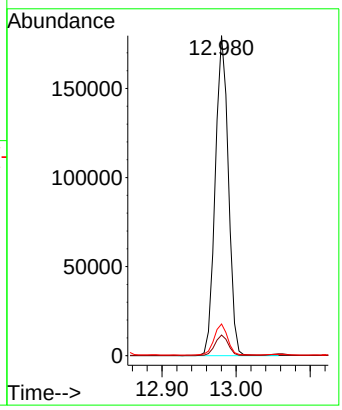


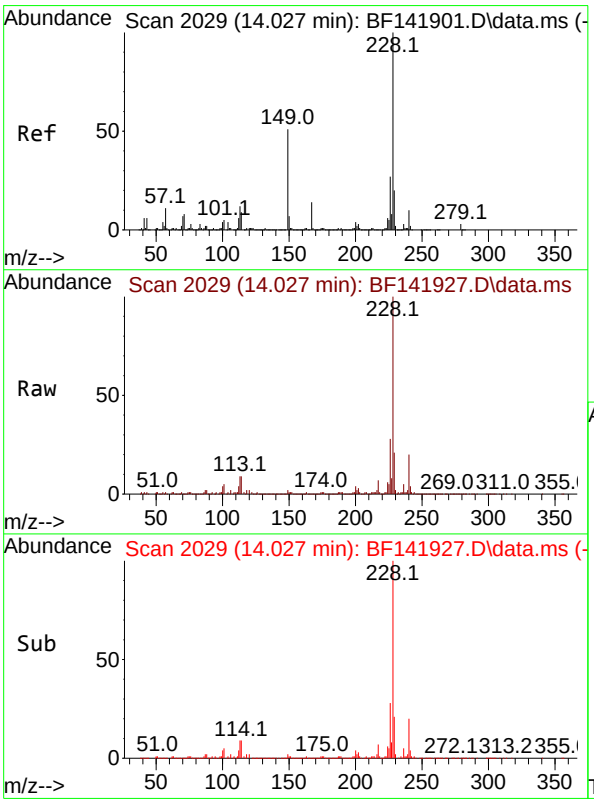
#79
Terphenyl-d14
Concen: 9.722 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:244 Resp: 220883

Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	9.9	7.7	11.5

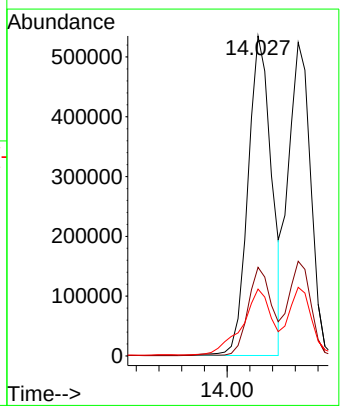


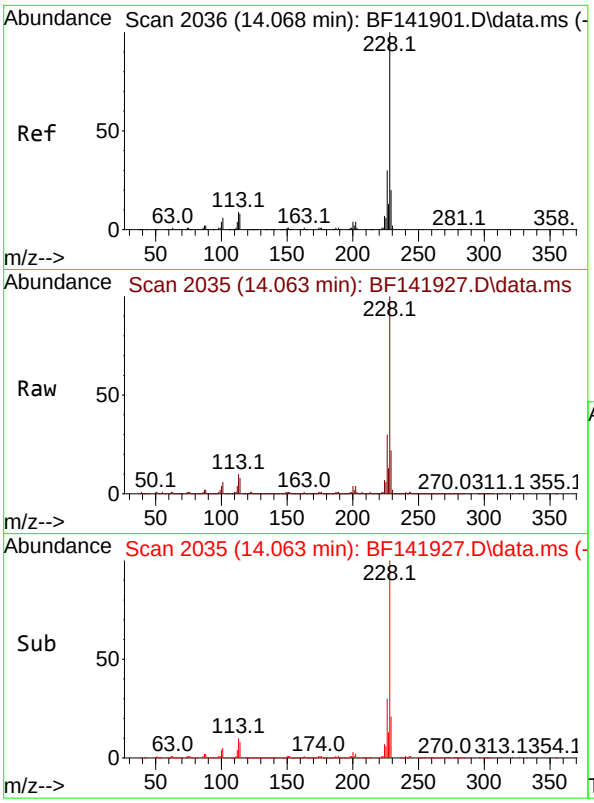


#81
Benzo(a)anthracene
Concen: 35.002 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Tgt Ion:228 Resp: 771521

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	20.9	16.0	24.0



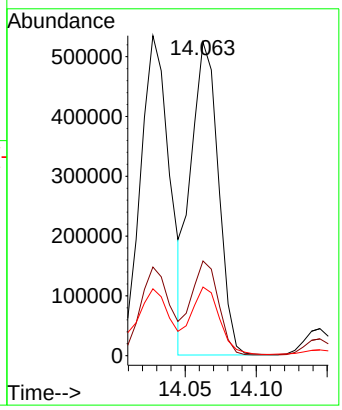


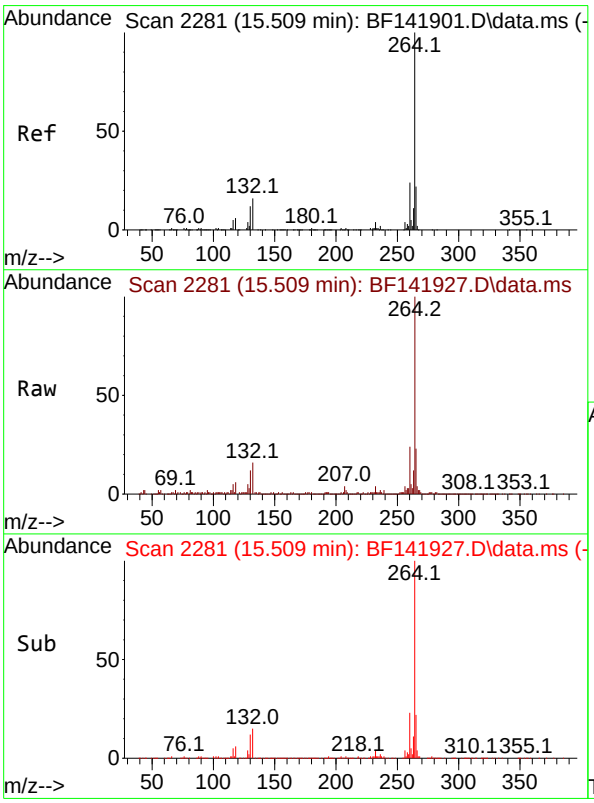
#83
Chrysene
Concen: 35.270 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:228 Resp: 704708

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	21.9	15.7	23.5

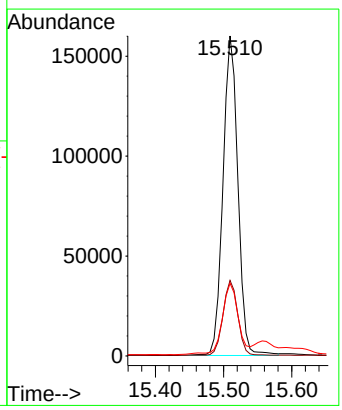


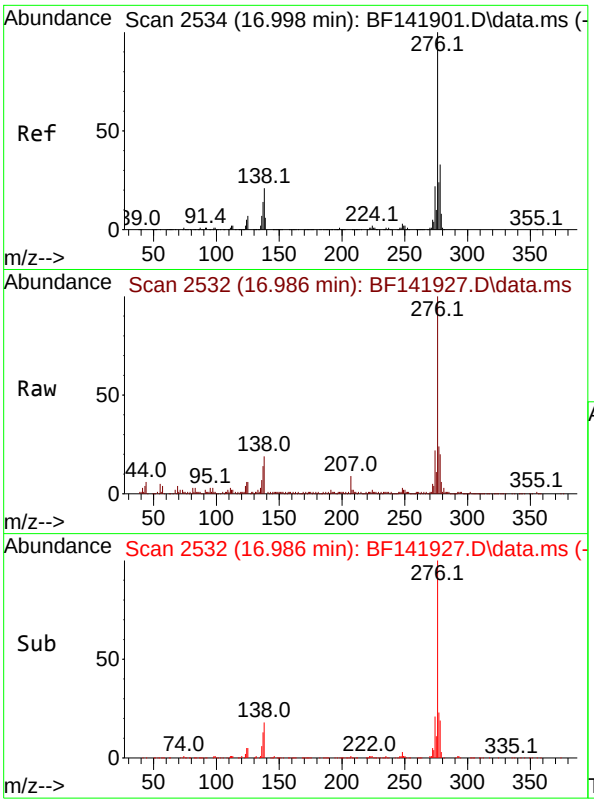


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Tgt Ion:264 Resp: 243609

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	22.7	17.5	26.3



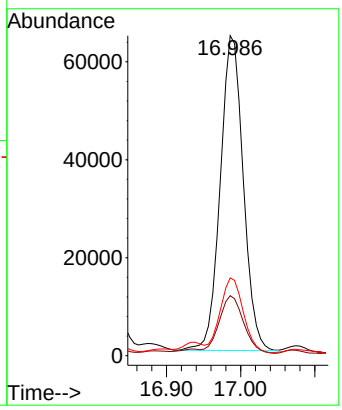


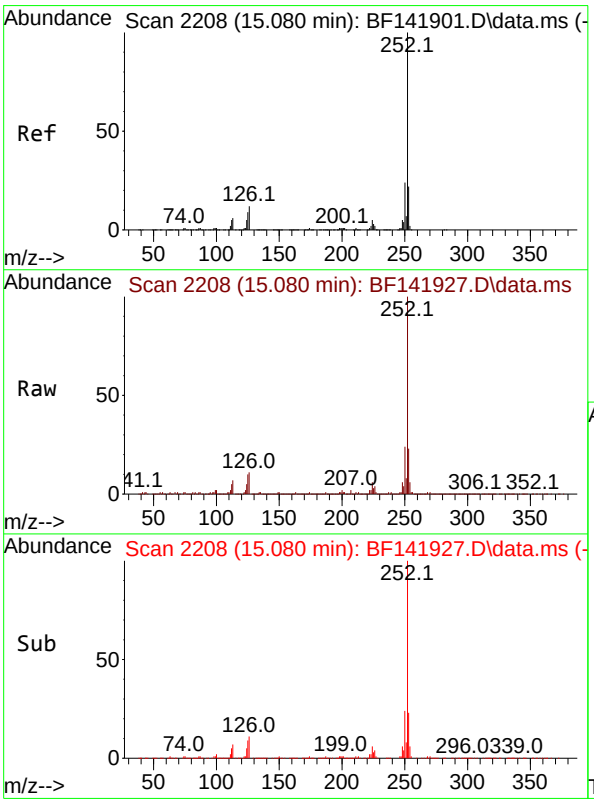
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.793 ng
RT: 16.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:276 Resp: 138560

Ion	Ratio	Lower	Upper
276	100		
138	19.3	18.4	27.6
277	23.9	20.3	30.5

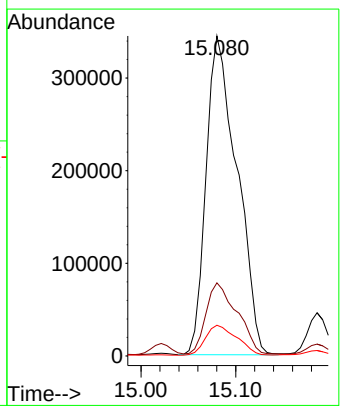


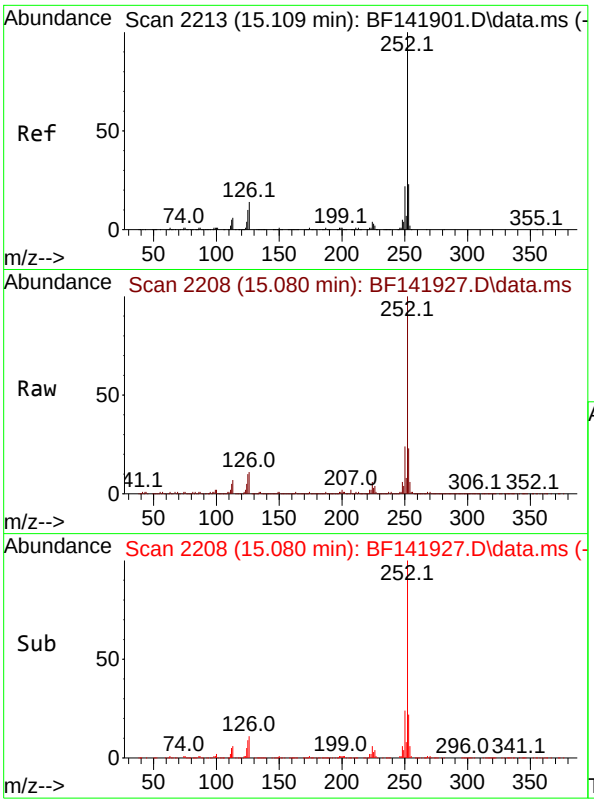


#88
Benzo(b)fluoranthene
Concen: 46.786 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Tgt Ion:252 Resp: 781130

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	9.6	7.0	10.4



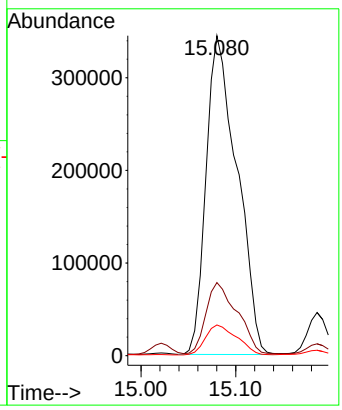


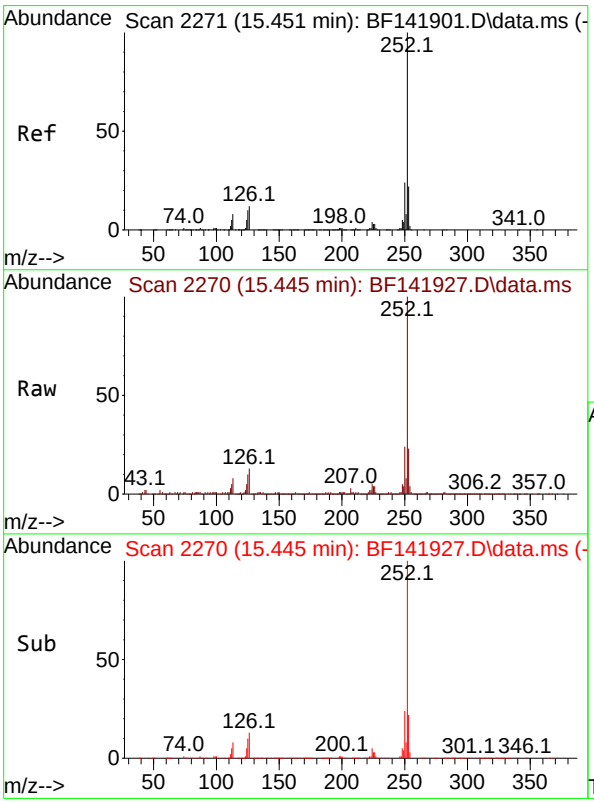
#89
Benzo(k)fluoranthene
Concen: 54.671 ng
RT: 15.080 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:252 Resp: 781130

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	9.6	7.2	10.8

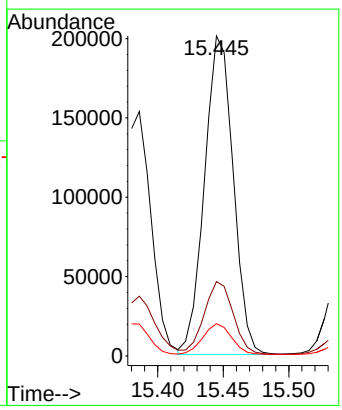


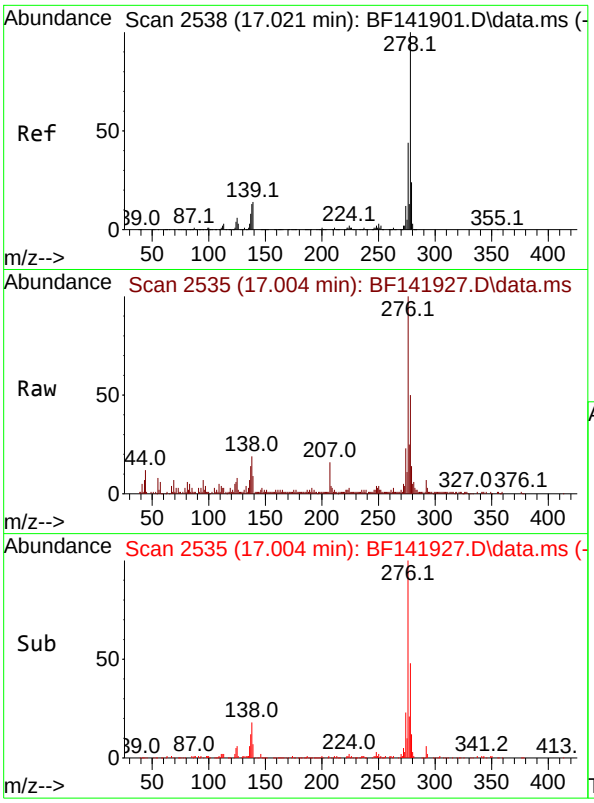


#90
Benzo(a)pyrene
Concen: 23.448 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Tgt Ion:252 Resp: 306325

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	10.1	7.8	11.8



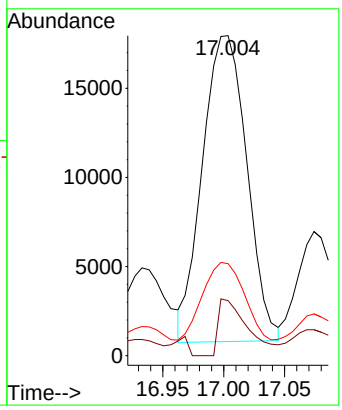


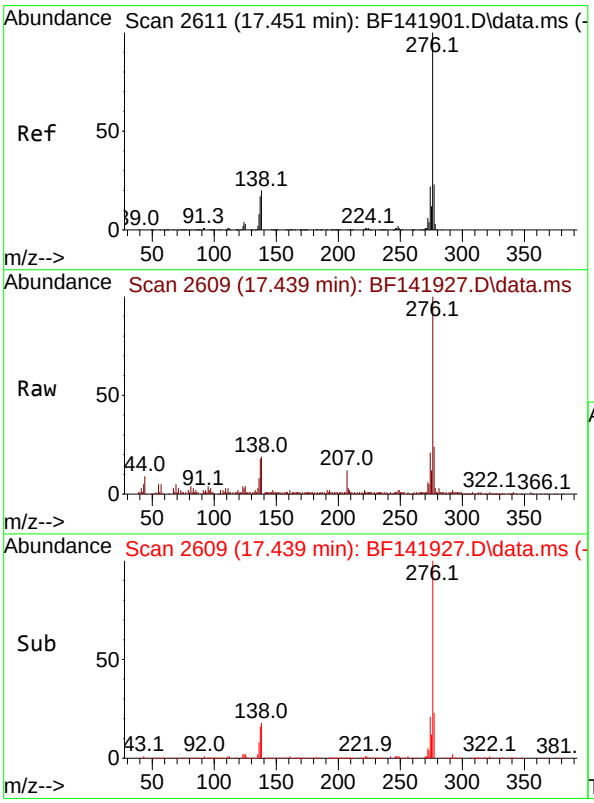
#91
Dibenzo(a,h)anthracene
Concen: 3.351 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:278 Resp: 43570

Ion	Ratio	Lower	Upper
278	100		
139	17.2	11.4	17.2#
279	28.7	18.8	28.2#





#92
Benzo(g,h,i)perylene
Concen: 9.199 ng
RT: 17.439 min Scan# 2609
Delta R.T. -0.012 min
Lab File: BF141927.D
Acq: 11 Mar 2025 20:42

Tgt Ion:276 Resp: 118200

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	18.9	15.8	23.8