Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
Data File : BF141935.D
Acq On : 12 Mar 2025 12:16
Operator : RC/JU
Sample : Q1507-01DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Quant Time: Mar 12 12:49:27 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	145431	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	572584	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	315823	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	471031	20.000	ng	0.00
76) Chrysene-d12	14.039	240	316987	20.000	ng	0.00
86) Perylene-d12	15.510	264	374861	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	160408	18.408	ng	0.00
7) Phenol-d6	6.493	99	204647	18.446	ng	-0.01
23) Nitrobenzene-d5	7.434	82	138703	13.632	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	59870	14.943	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	281190	13.540	ng	0.00
79) Terphenyl-d14	12.980	244	216691	10.107	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	414214	16.281	ng	99
72) Anthracene	11.475	178	128746	5.044	ng	99
75) Fluoranthene	12.616	202	1348310	49.960	ng	99
78) Pyrene	12.839	202	1144655	41.746	ng	98
81) Benzo(a)anthracene	14.027	228	743730	35.755	ng	99
83) Chrysene	14.063	228	653012	34.633	ng	98
87) Indeno(1,2,3-cd)pyrene	16.986	276	231508	9.547	ng	95
88) Benzo(b)fluoranthene	15.080	252	720351m	28.039	ng	
89) Benzo(k)fluoranthene	15.092	252	327534m	14.897	ng	
90) Benzo(a)pyrene	15.445	252	465216	23.142	ng	98
91) Dibenzo(a,h)anthracene	16.998	278	74332	3.715	ng	94
92) Benzo(g,h,i)perylene	17.433	276	188033	9.510	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
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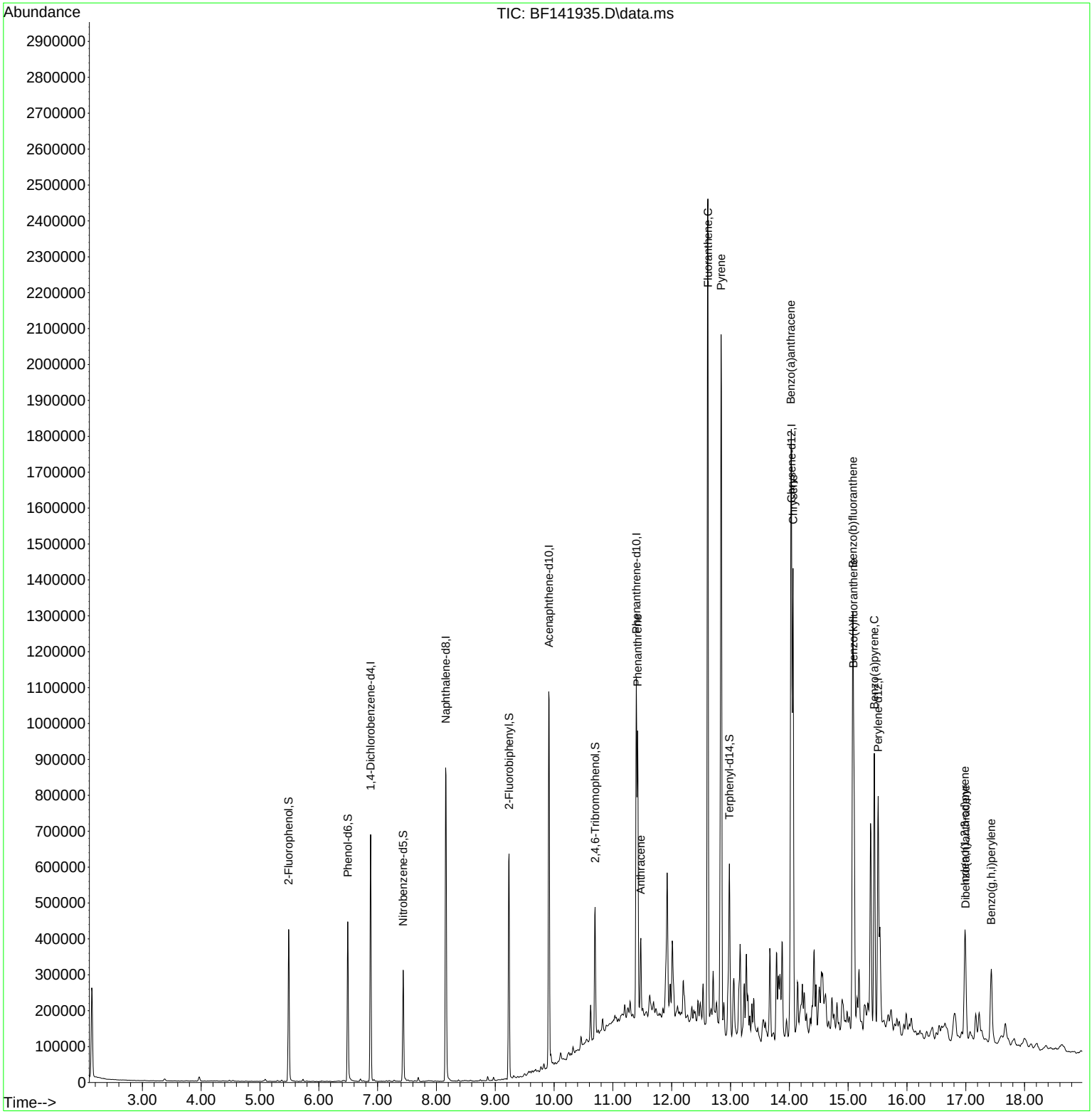
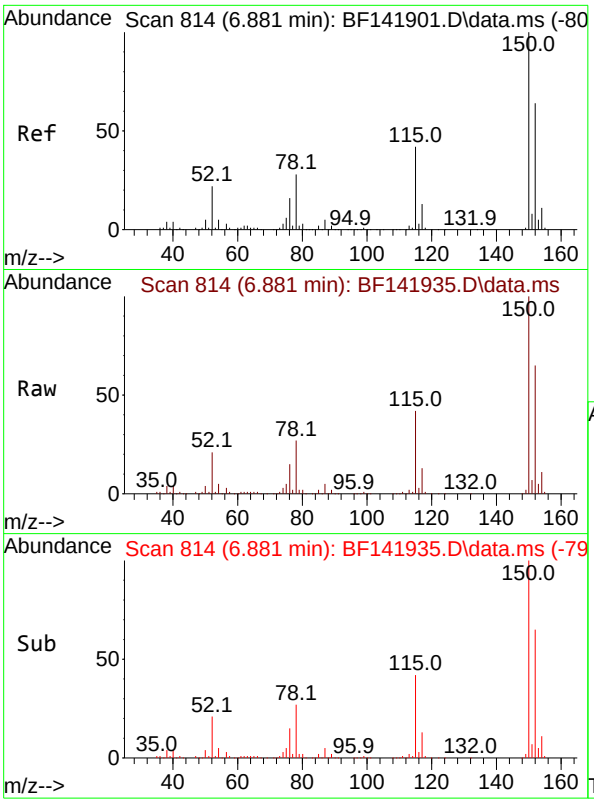


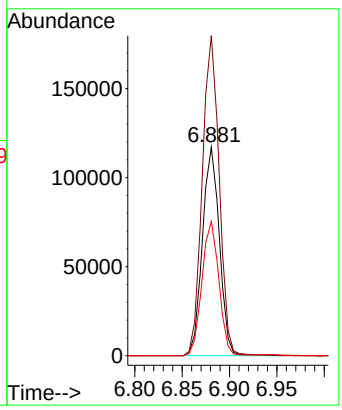


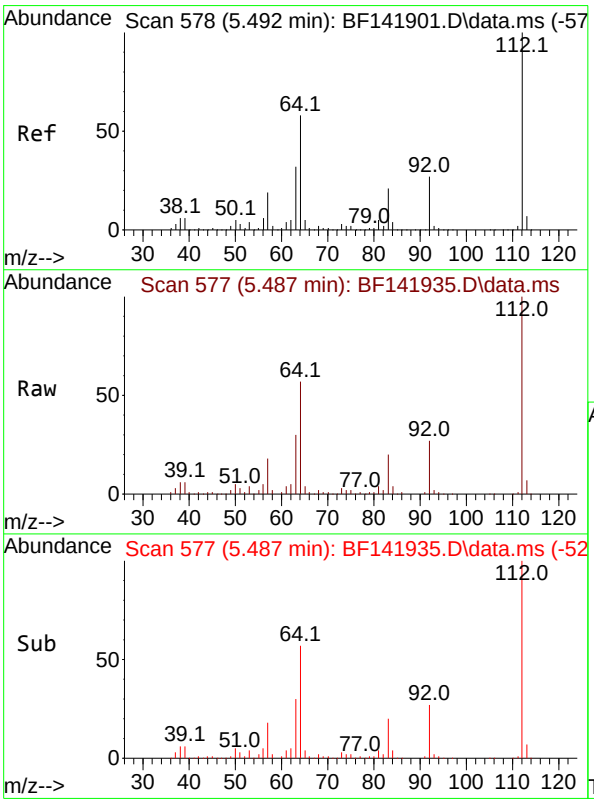
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:152 Resp: 145431

Ion	Ratio	Lower	Upper
152	100		
150	153.5	127.4	191.2
115	64.4	51.9	77.9

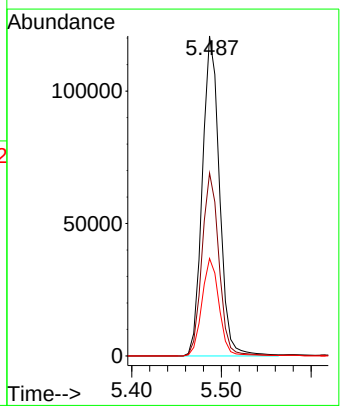


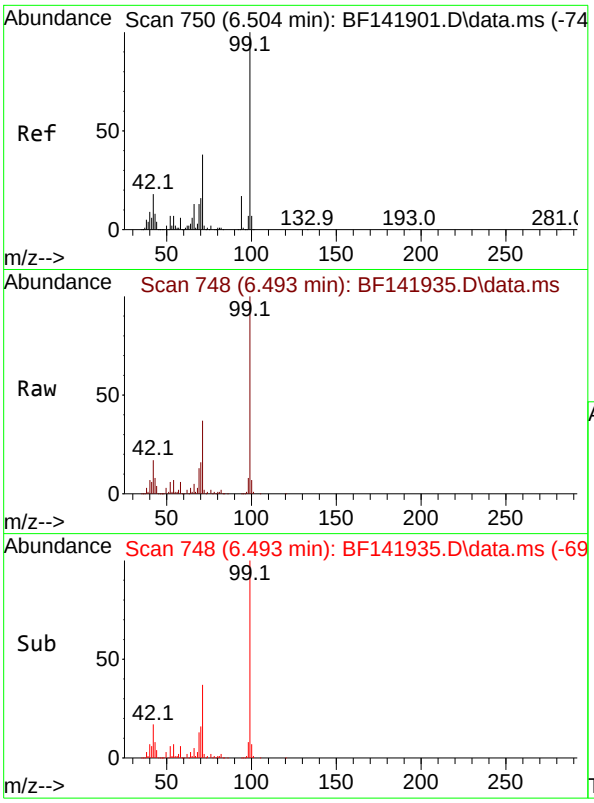


#5
2-Fluorophenol
Concen: 18.408 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:112 Resp: 160408

Ion	Ratio	Lower	Upper
112	100		
64	57.2	46.5	69.7
63	30.5	25.4	38.2



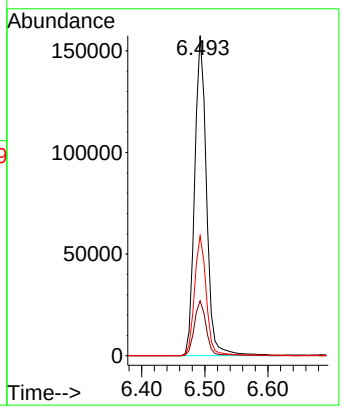


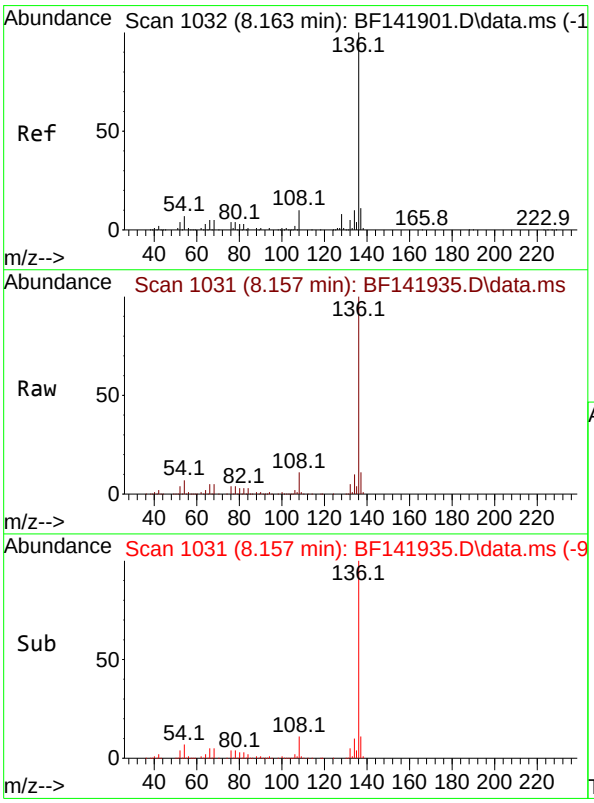
#7
Phenol-d6
Concen: 18.446 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion: 99 Resp: 204647

Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.6	21.8
71	37.4	30.8	46.2

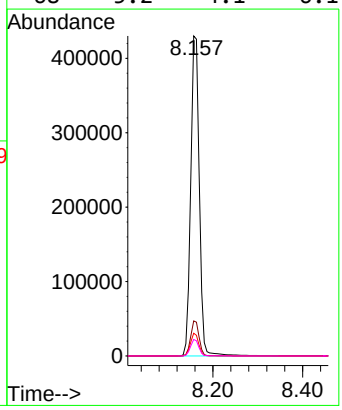


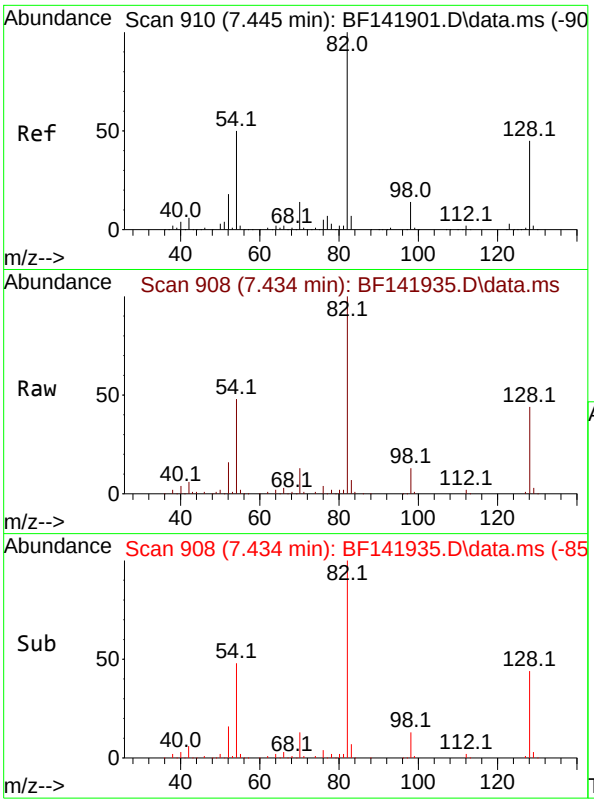


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:136 Resp: 572584

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.1	5.8	8.8
68	5.2	4.1	6.1



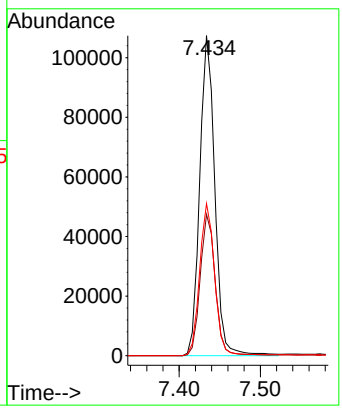


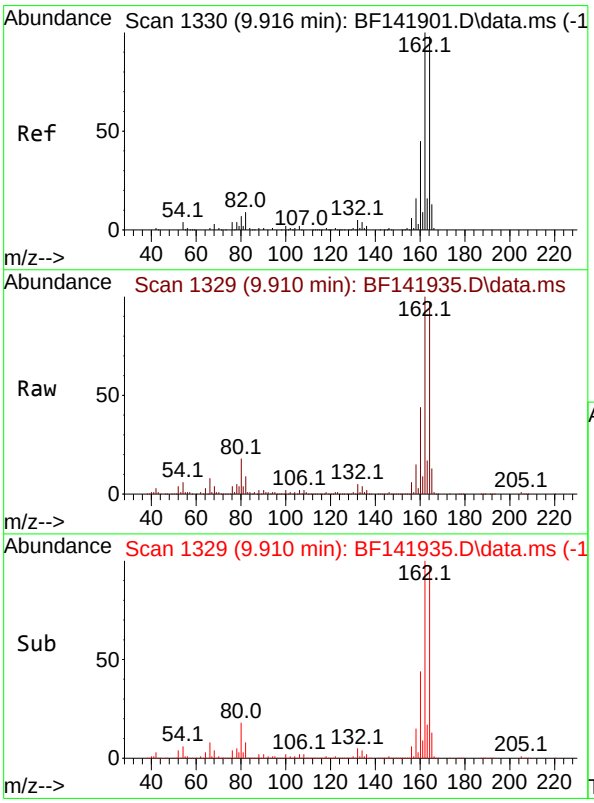
#23
Nitrobenzene-d5
Concen: 13.632 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion: 82 Resp: 138703

Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.0	54.0
54	47.6	39.6	59.4

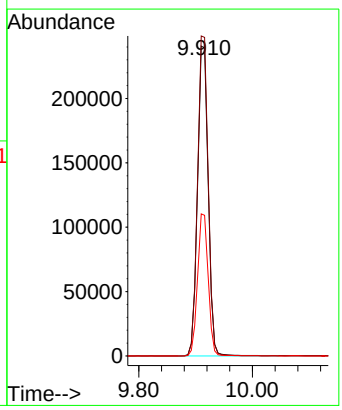


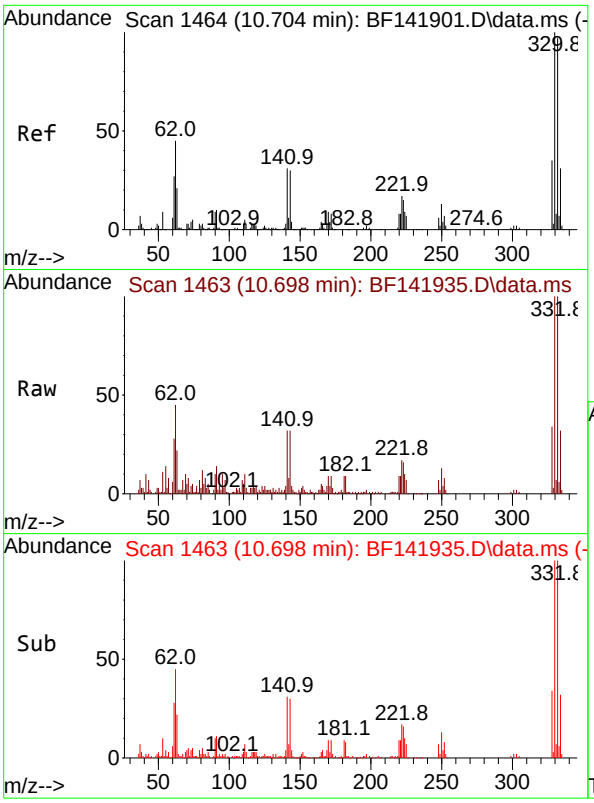


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:164 Resp: 315823

Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.8	122.6
160	45.8	36.7	55.1



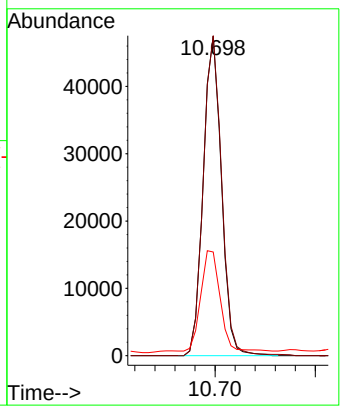


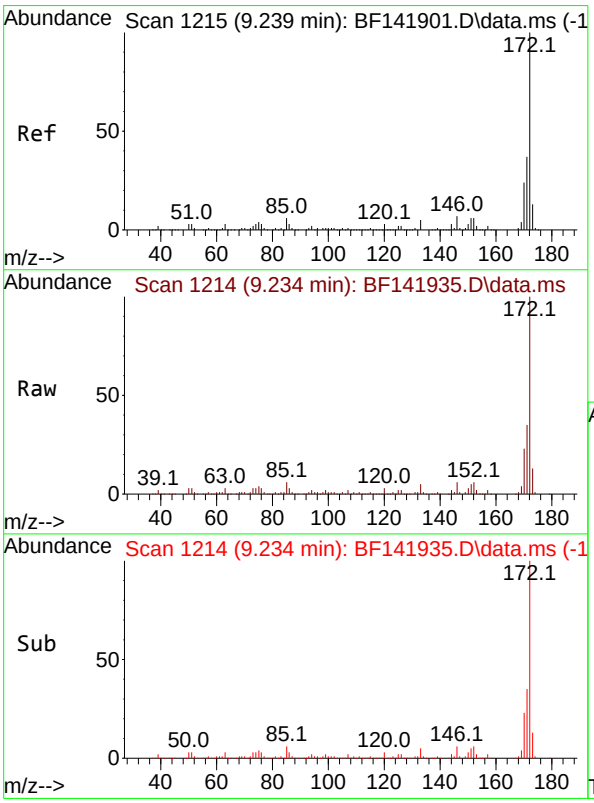
#42
2,4,6-Tribromophenol
Concen: 14.943 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:330 Resp: 59870

Ion	Ratio	Lower	Upper
330	100		
332	101.5	77.6	116.4
141	35.8	24.7	37.1

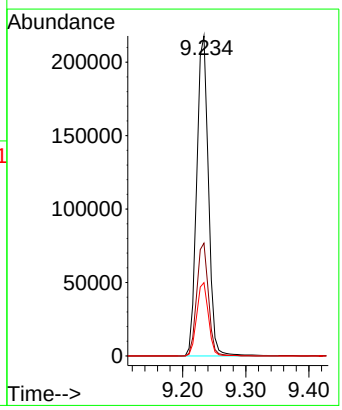


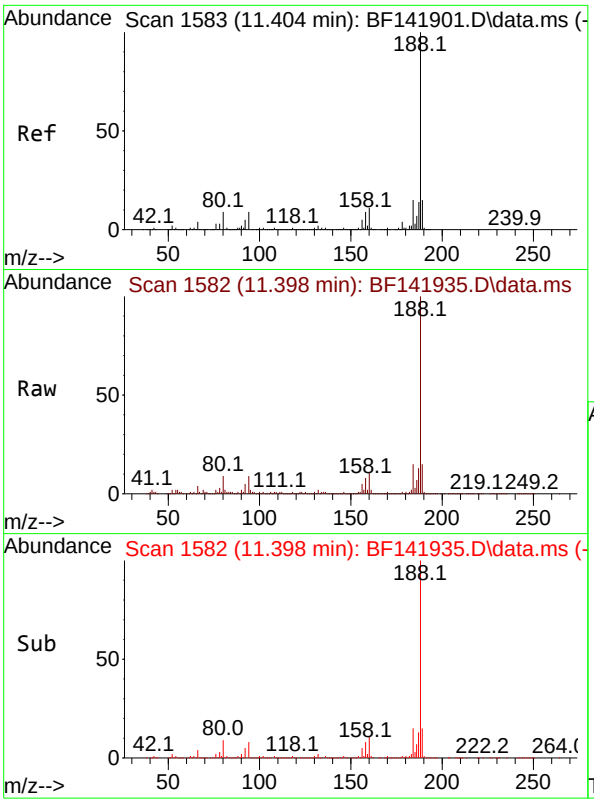


#45
2-Fluorobiphenyl
Concen: 13.540 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:172 Resp: 281190

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.3	43.9
170	22.9	19.4	29.0



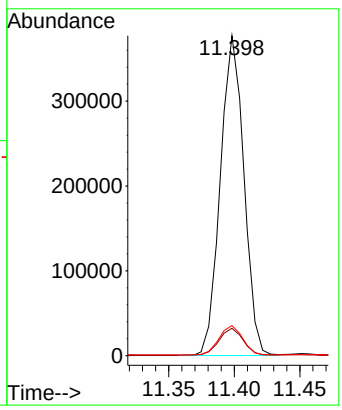


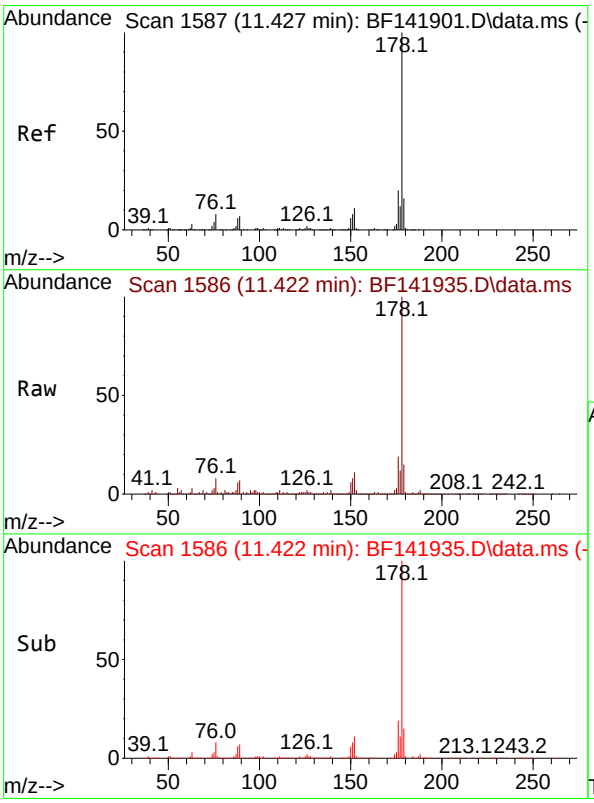
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:188 Resp: 471031

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.8	10.2
80	9.4	7.6	11.4

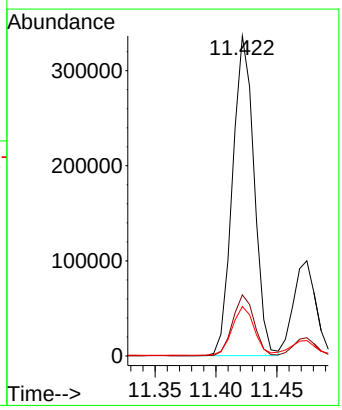


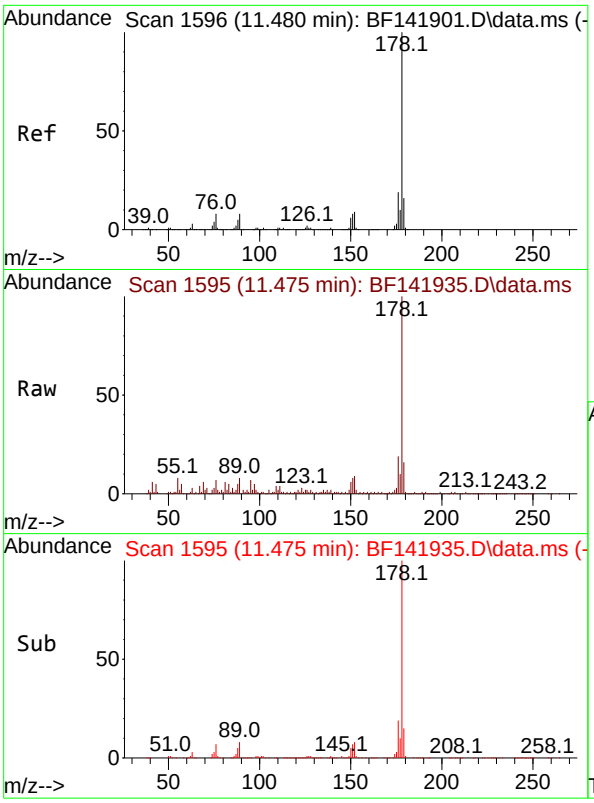


#71
Phenanthrene
Concen: 16.281 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:178 Resp: 414214

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.4	12.6	19.0



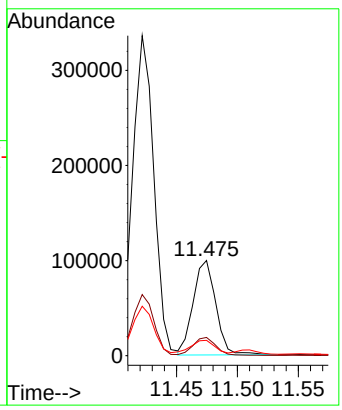


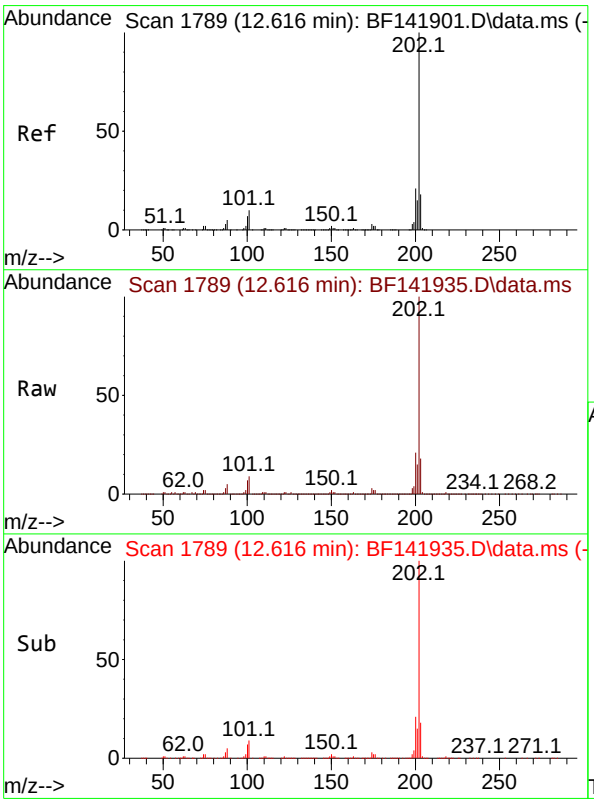
#72
Anthracene
Concen: 5.044 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:178 Resp: 128746

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	16.1	12.6	19.0

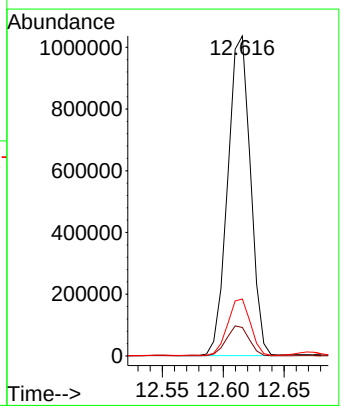


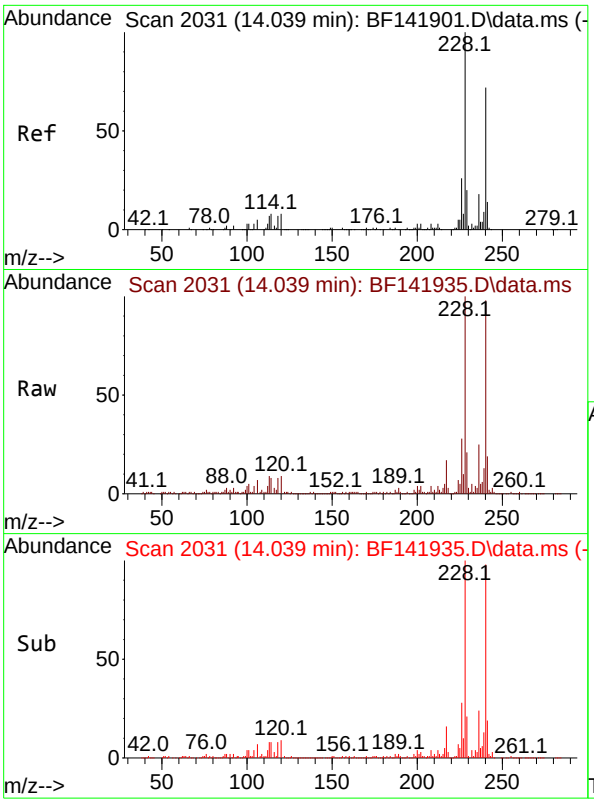


#75
Fluoranthene
Concen: 49.960 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:202 Resp: 1348310

Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	29.7
203	17.8	0.0	37.8



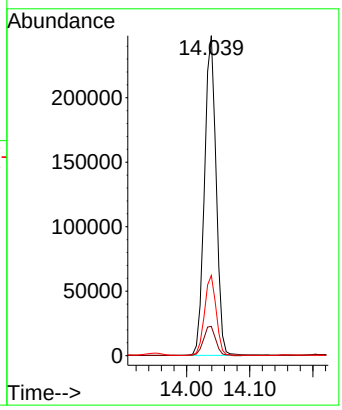


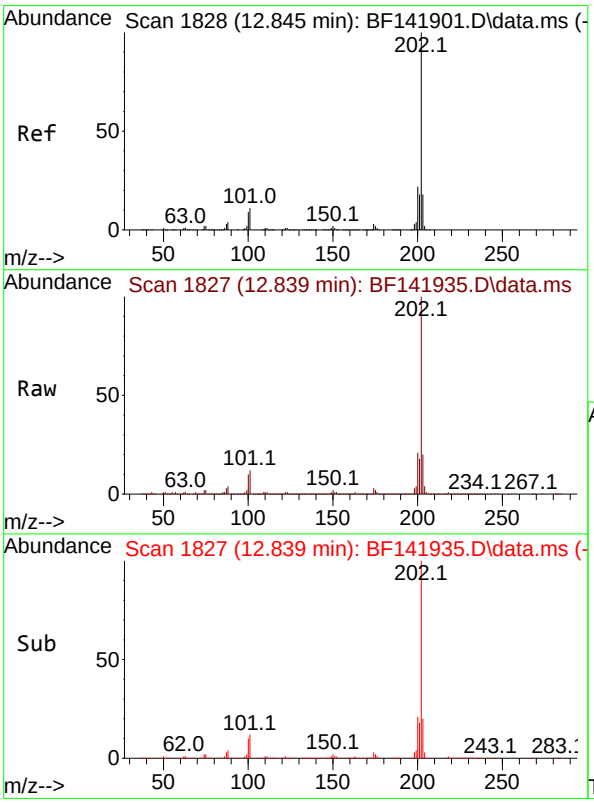
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:240 Resp: 316987

Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.4	12.6
236	25.1	20.5	30.7

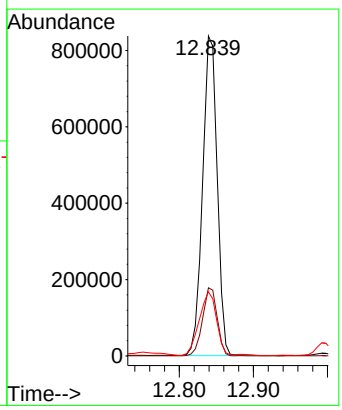


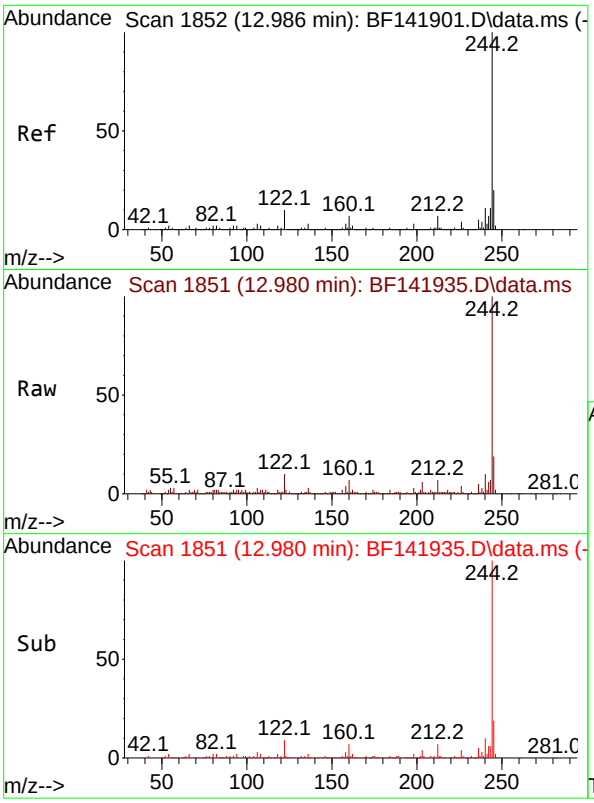


#78
Pyrene
Concen: 41.746 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:202 Resp: 1144655

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9
203	20.0	14.4	21.6



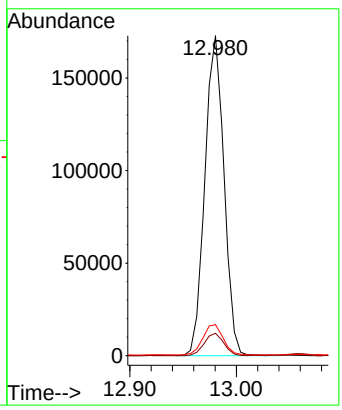


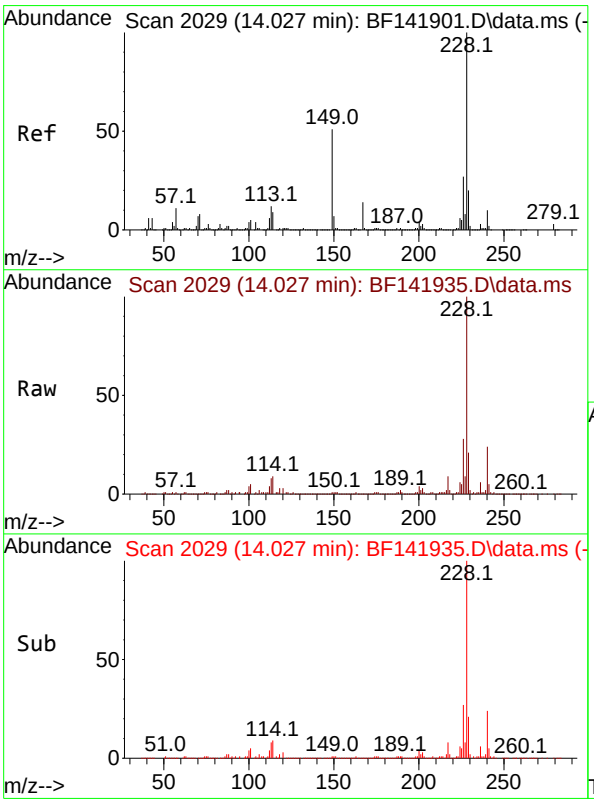
#79
Terphenyl-d14
Concen: 10.107 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:244 Resp: 216691

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	9.7	7.7	11.5

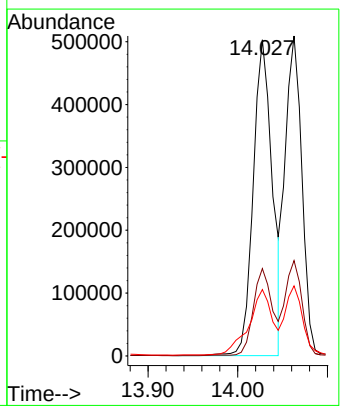


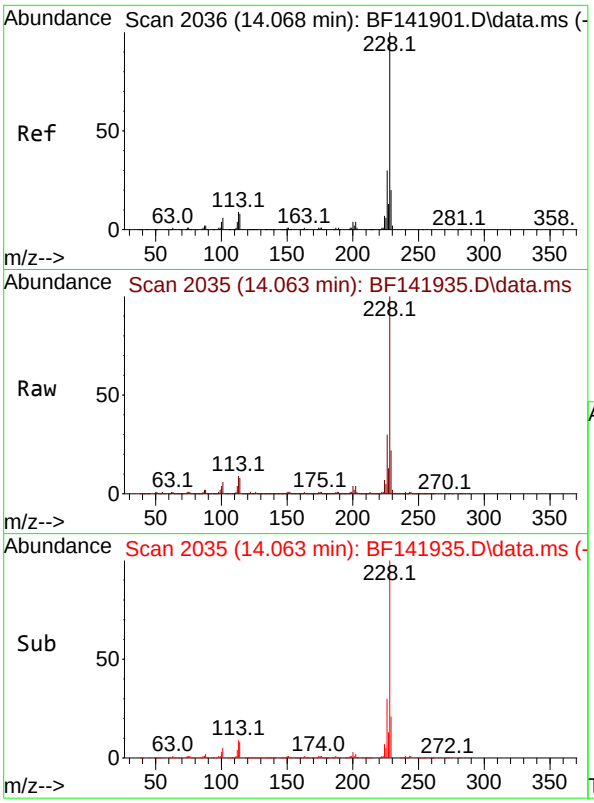


#81
Benzo(a)anthracene
Concen: 35.755 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:228 Resp: 743730

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	21.0	16.0	24.0



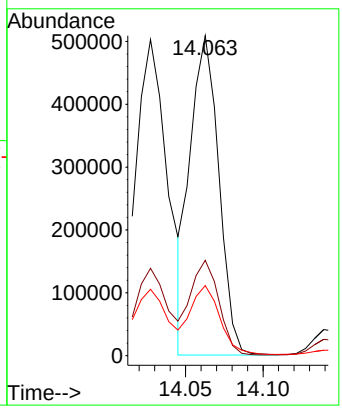


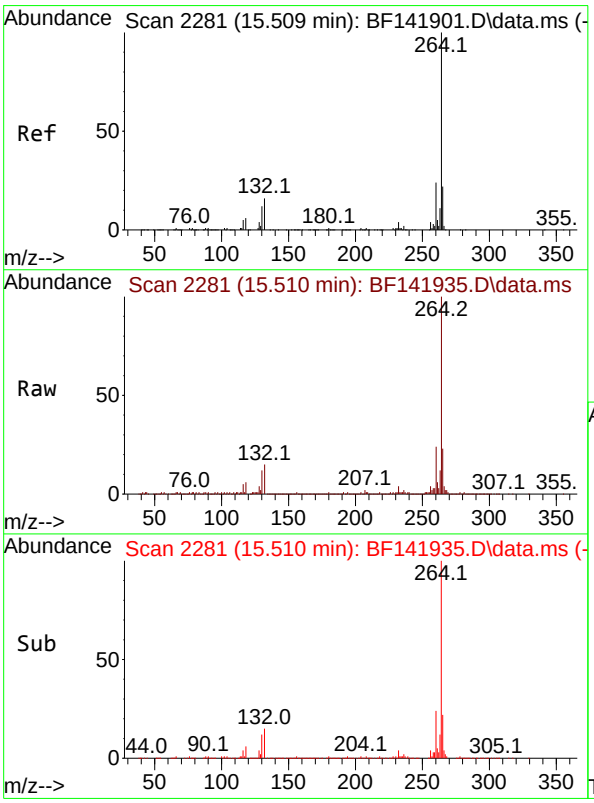
#83
Chrysene
Concen: 34.633 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:228 Resp: 653012

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	21.9	15.7	23.5

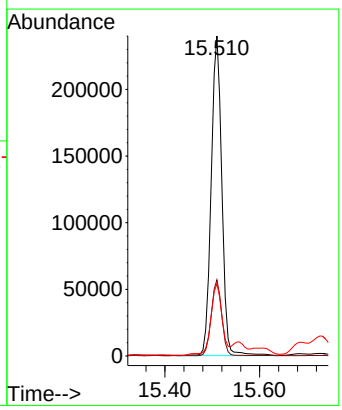


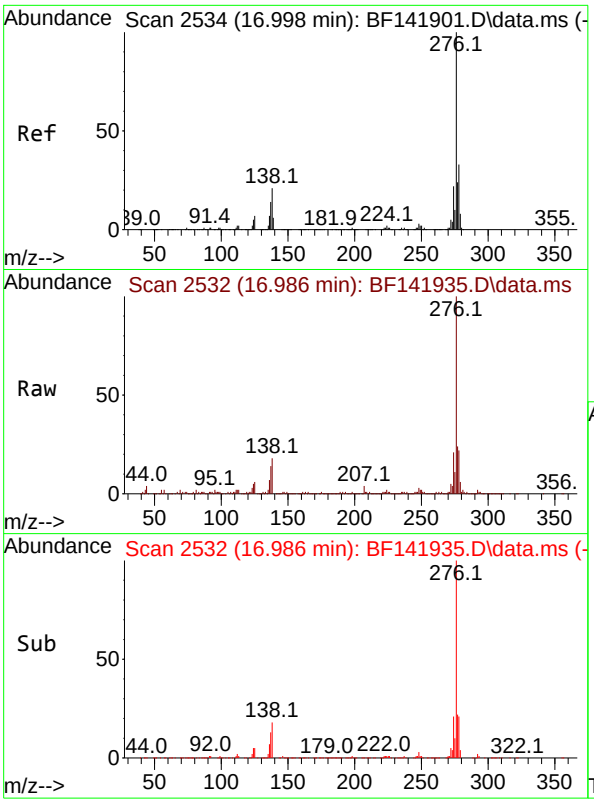


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:264 Resp: 374861

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	22.6	17.5	26.3



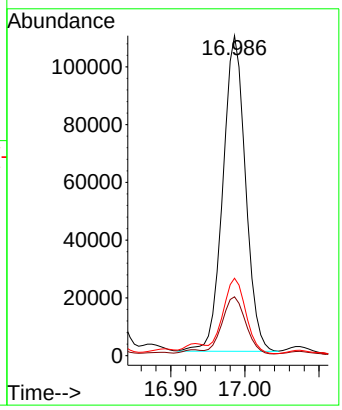


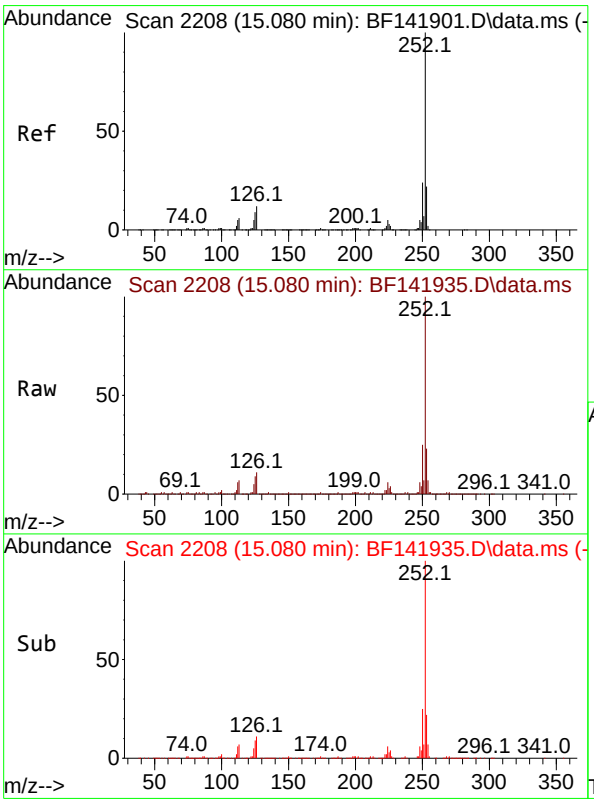
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.547 ng
RT: 16.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:276 Resp: 231508

Ion	Ratio	Lower	Upper
276	100		
138	19.0	18.4	27.6
277	24.0	20.3	30.5

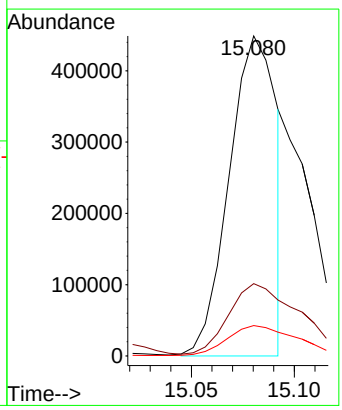


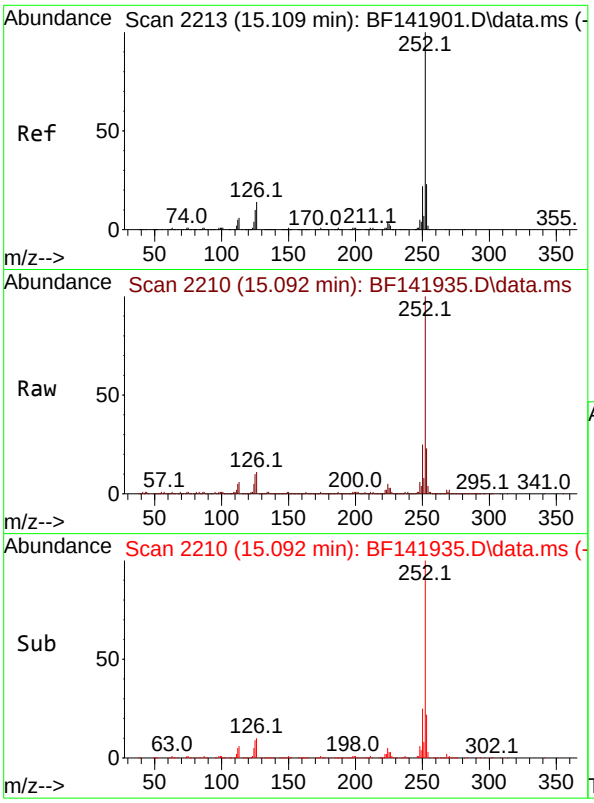


#88
Benzo(b)fluoranthene
Concen: 28.039 ng m
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:252 Resp: 720351

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	9.5	7.0	10.4



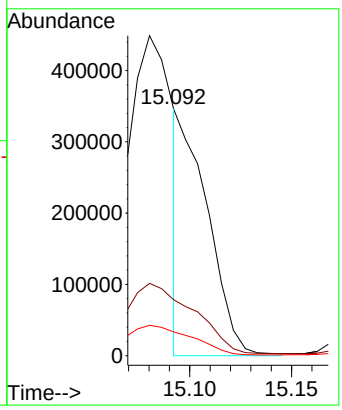


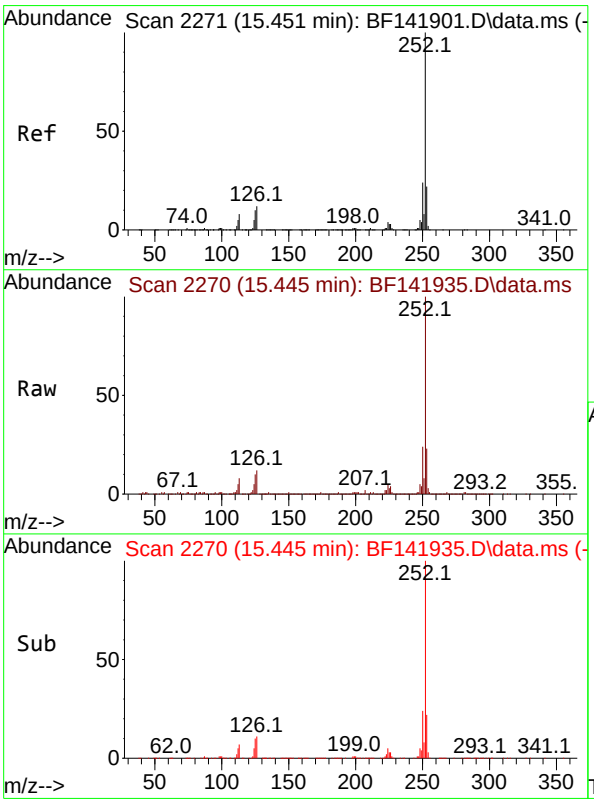
#89
Benzo(k)fluoranthene
Concen: 14.897 ng m
RT: 15.092 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:252 Resp: 327534

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	9.7	7.2	10.8

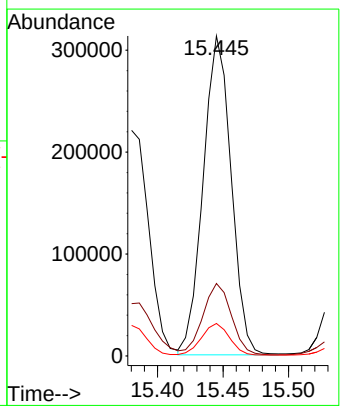


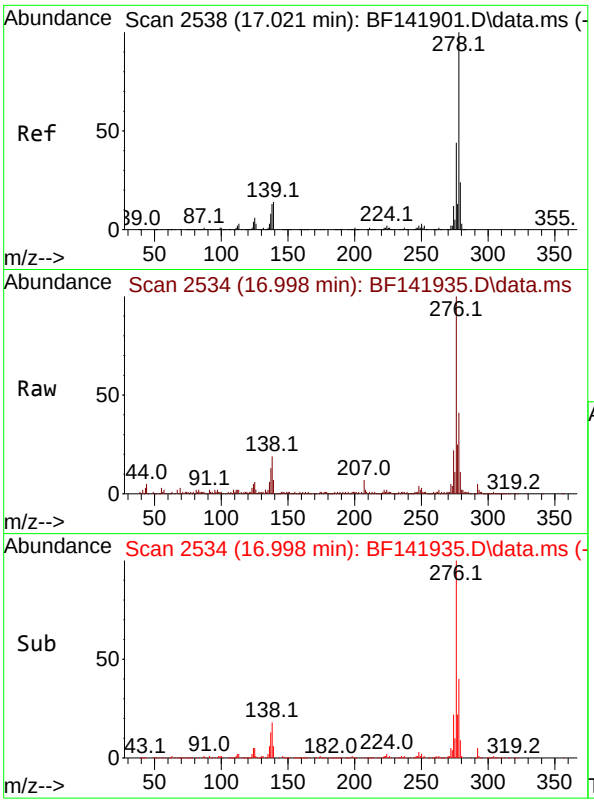


#90
Benzo(a)pyrene
Concen: 23.142 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:252 Resp: 465216

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	10.1	7.8	11.8



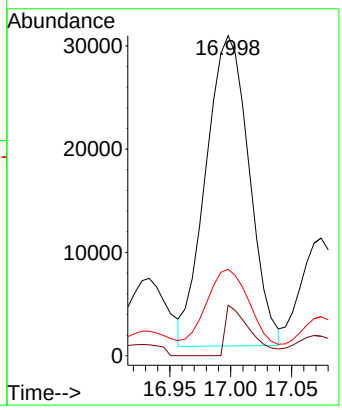


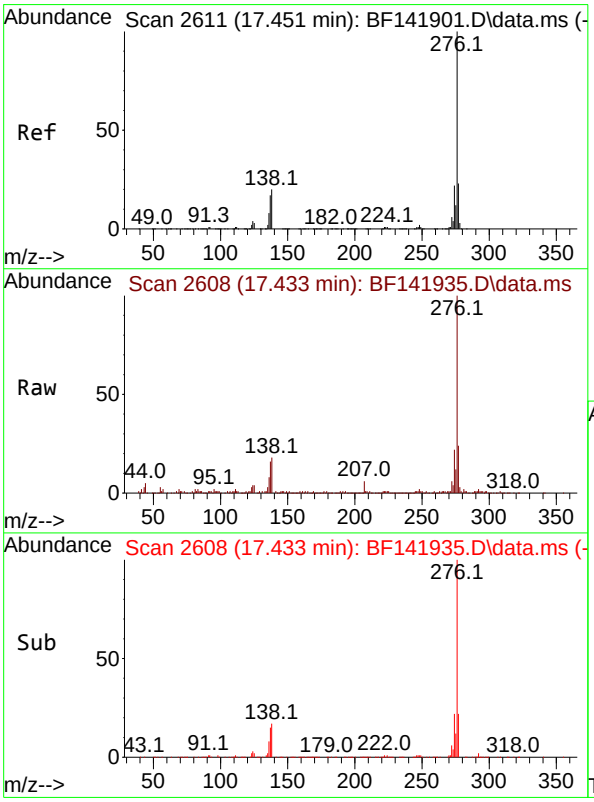
#91
Dibenzo(a,h)anthracene
Concen: 3.715 ng
RT: 16.998 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVEDL

Tgt Ion:278 Resp: 74332

Ion	Ratio	Lower	Upper
278	100		
139	15.8	11.4	17.2
279	27.0	18.8	28.2





#92
Benzo(g,h,i)perylene
Concen: 9.510 ng
RT: 17.433 min Scan# 2608
Delta R.T. -0.017 min
Lab File: BF141935.D
Acq: 12 Mar 2025 12:16

Tgt Ion:276 Resp: 188033

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	18.4	15.8	23.8