Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142939.D
Acq On : 01 Jul 2025 03:14
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Quant Time: Jul 01 03:34:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	53399	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	183565	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	81816	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	127248	20.000	ng	0.00
76) Chrysene-d12	14.051	240	134305	20.000	ng	0.00
86) Perylene-d12	15.539	264	101409	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	44421	13.850	ng	0.00
7) Phenol-d6	6.498	99	51111	13.507	ng	-0.01
23) Nitrobenzene-d5	7.433	82	30247	9.038	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	10586	12.573	ng	-0.01
45) 2-Fluorobiphenyl	9.227	172	66978	10.754	ng	-0.02
79) Terphenyl-d14	12.986	244	69365	7.136	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	32629	4.734	ng	98
75) Fluoranthene	12.615	202	119488	18.265	ng	99
78) Pyrene	12.851	202	138733	11.020	ng	99
81) Benzo(a)anthracene	14.039	228	84058	9.278	ng	93
83) Chrysene	14.074	228	67817	8.388	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	31703	4.104	ng	95
88) Benzo(b)fluoranthene	15.104	252	83265m	14.190	ng	
89) Benzo(k)fluoranthene	15.115	252	37786m	6.883	ng	
90) Benzo(a)pyrene	15.474	252	63497	11.201	ng	98
92) Benzo(g,h,i)perylene	17.503	276	32927	5.261	ng	96

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142939.D
Acq On : 01 Jul 2025 03:14
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Quant Time: Jul 01 03:34:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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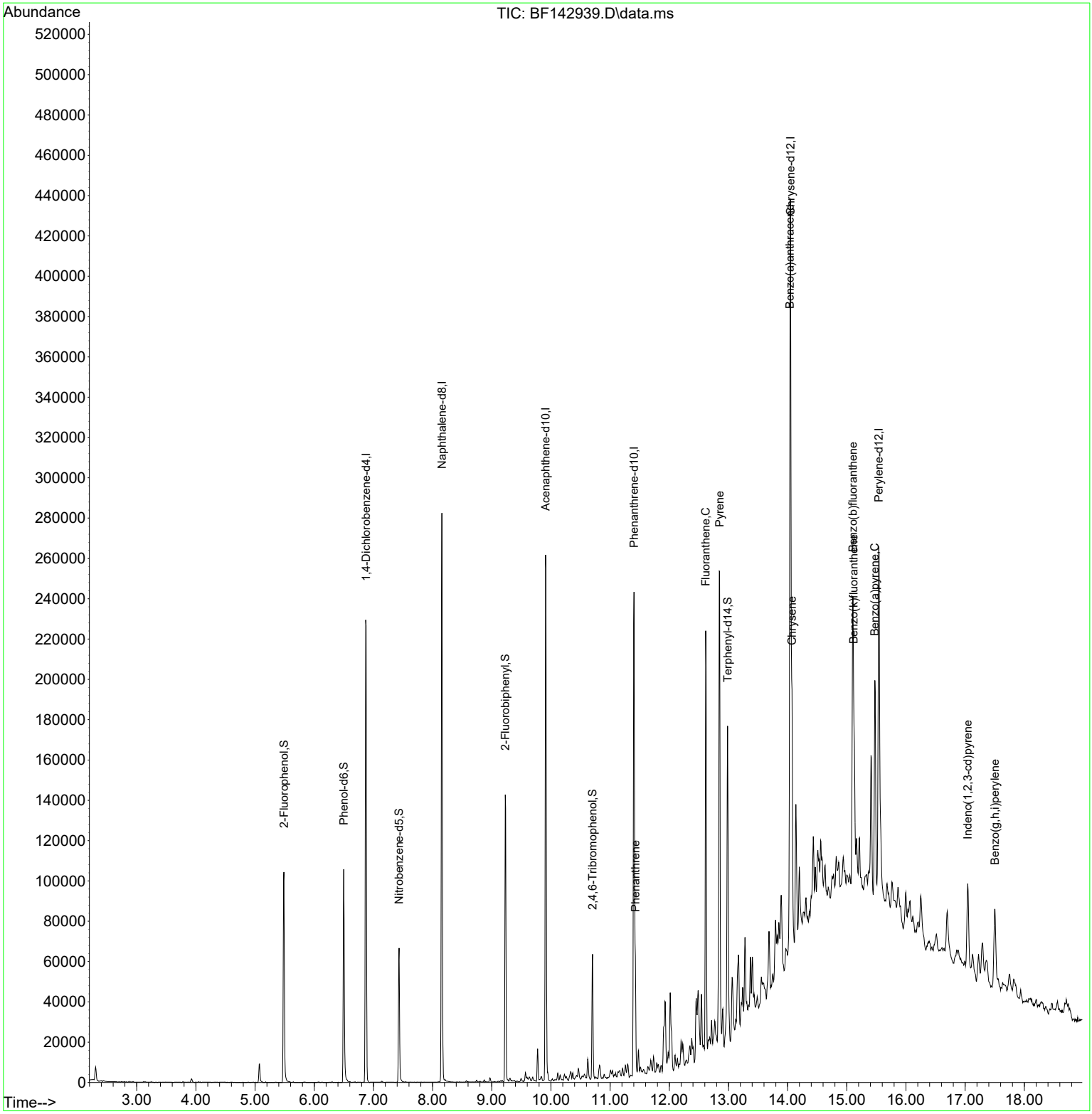
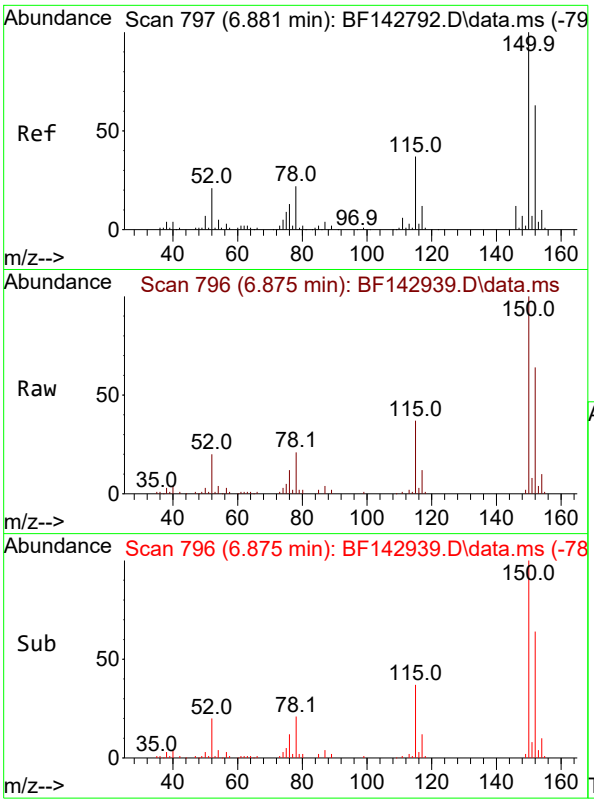


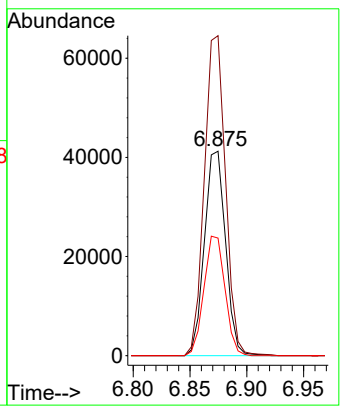


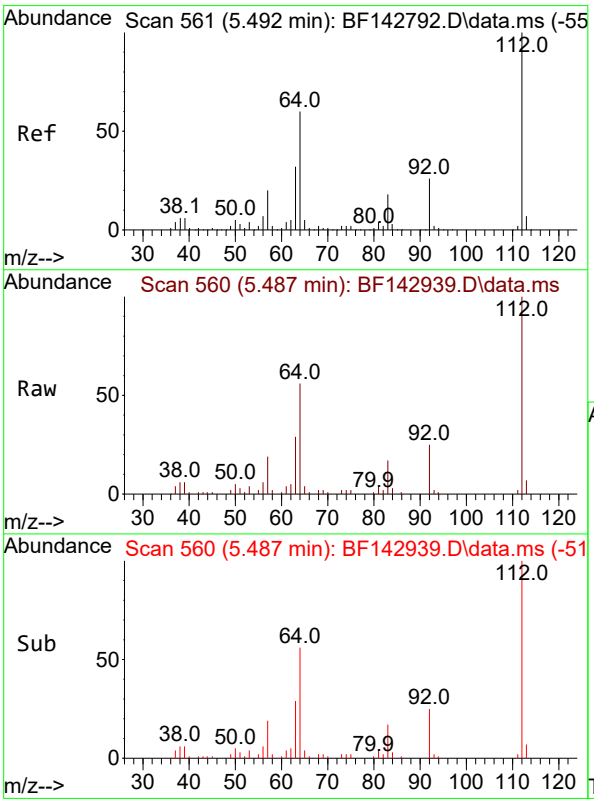
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:152 Resp: 53399

Ion	Ratio	Lower	Upper
152	100		
150	156.4	127.2	190.8
115	57.5	46.6	69.8

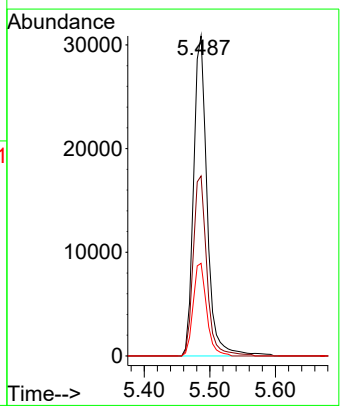


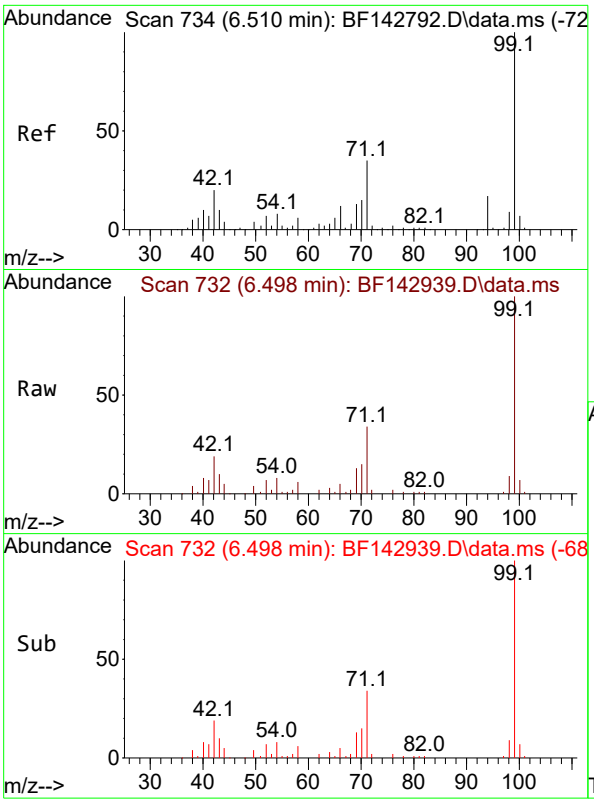


#5
2-Fluorophenol
Concen: 13.850 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:112 Resp: 44421

Ion	Ratio	Lower	Upper
112	100		
64	56.3	48.2	72.2
63	29.0	25.7	38.5



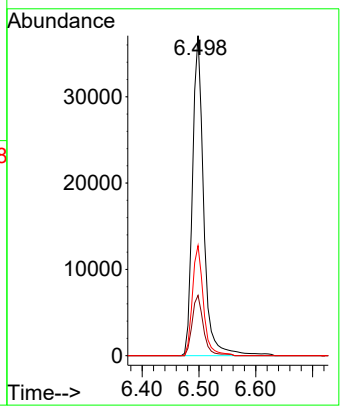


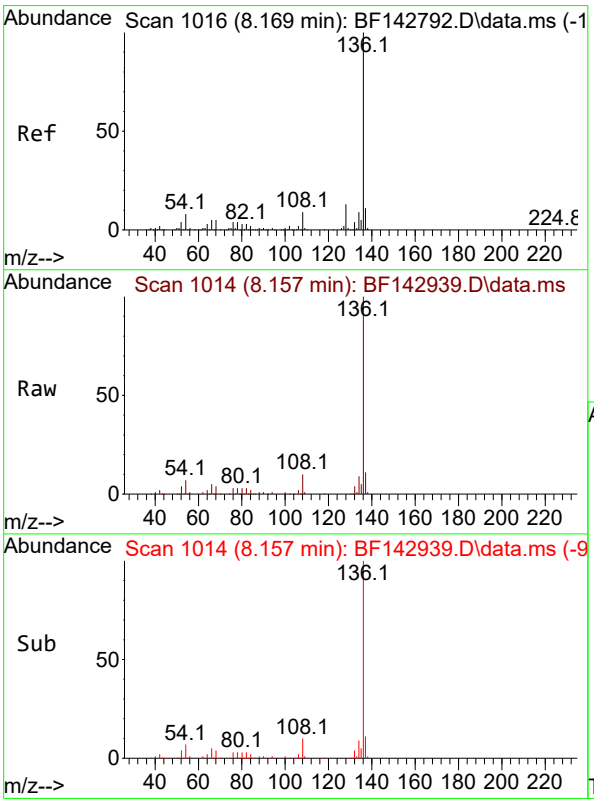
#7
Phenol-d6
Concen: 13.507 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion: 99 Resp: 51111

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.9	23.9
71	34.4	27.8	41.8

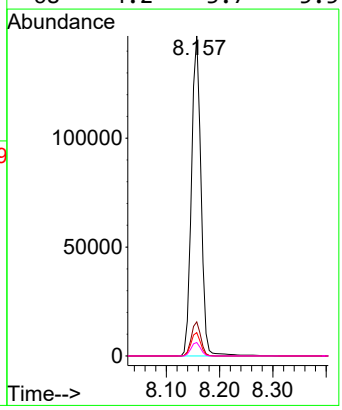


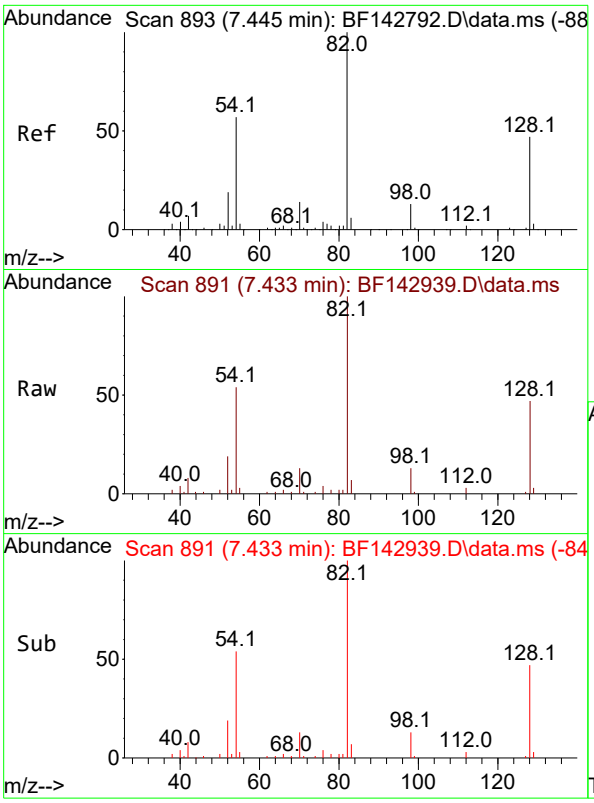


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:136 Resp: 183565

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.3	6.3	9.5
68	4.2	3.7	5.5



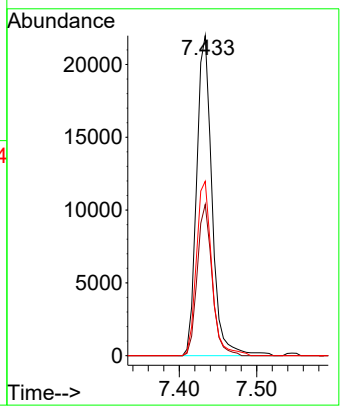


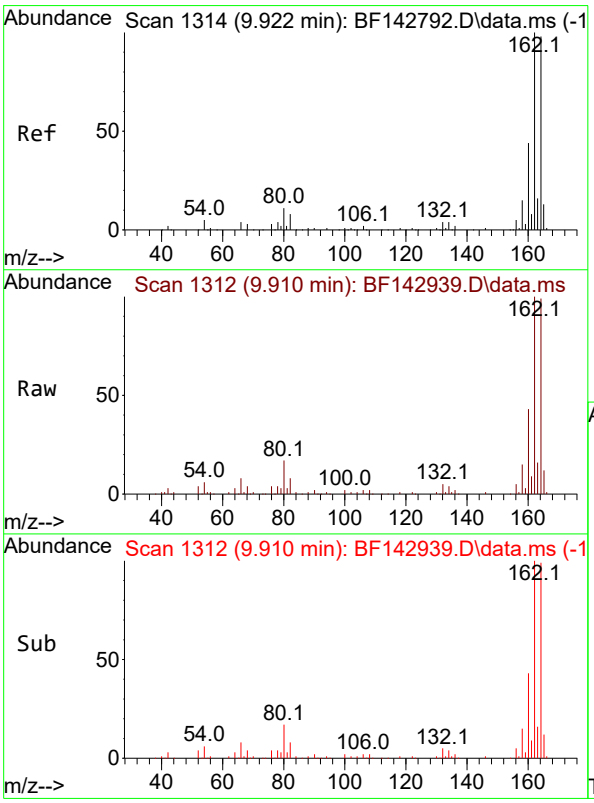
#23
Nitrobenzene-d5
Concen: 9.038 ng
RT: 7.433 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion: 82 Resp: 30247

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.7	56.5
54	54.5	45.7	68.5

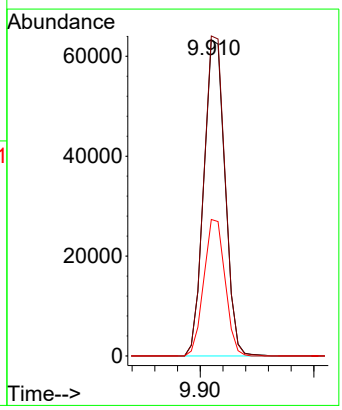


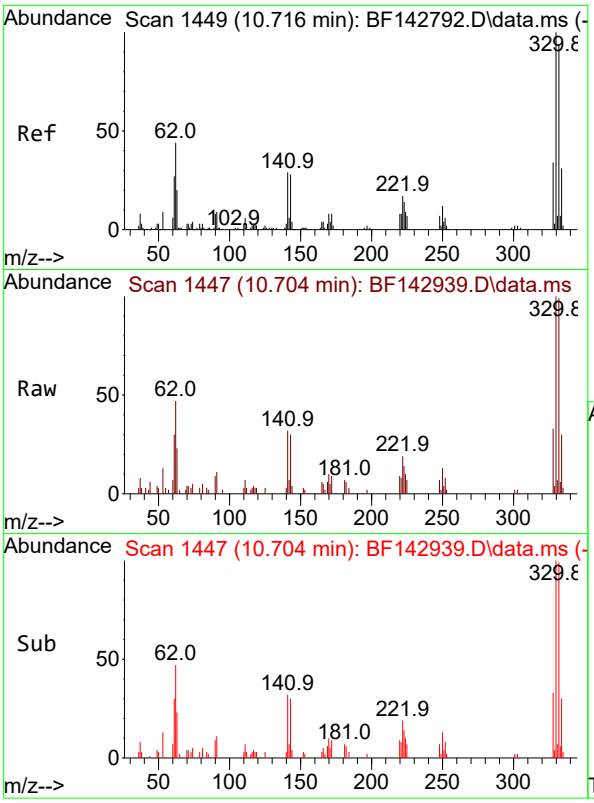


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:164 Resp: 81816

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.8	122.8
160	43.2	36.0	54.0



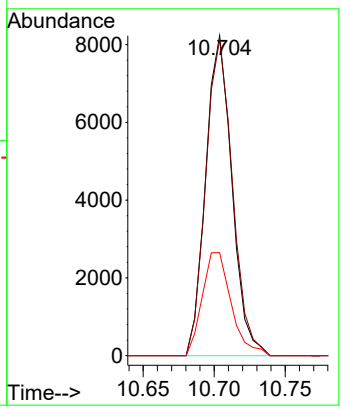


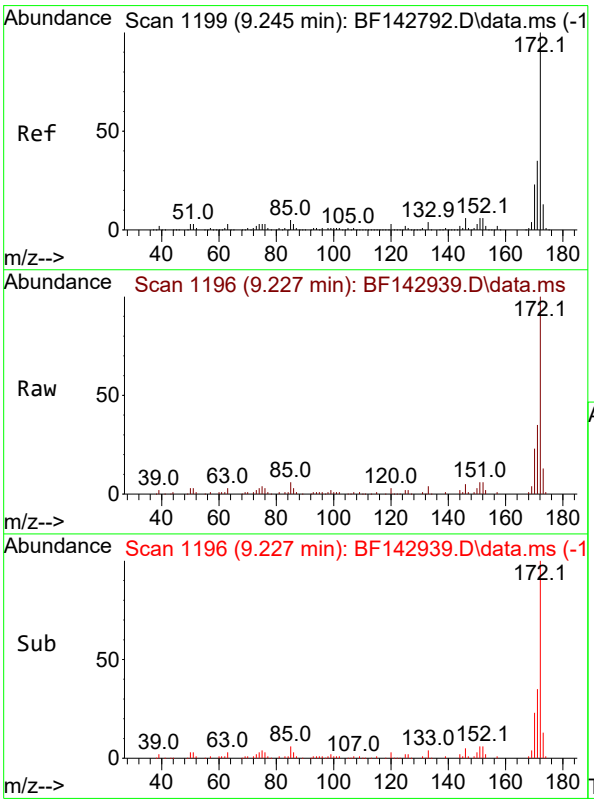
#42
2,4,6-Tribromophenol
Concen: 12.573 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:330 Resp: 10586

Ion	Ratio	Lower	Upper
330	100		
332	100.6	75.0	112.6
141	35.6	25.3	37.9

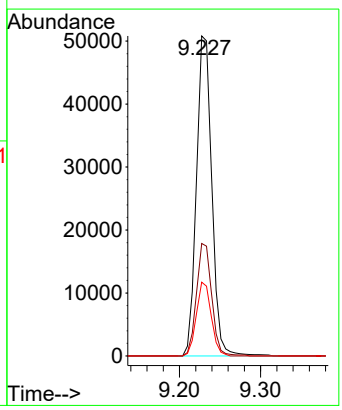


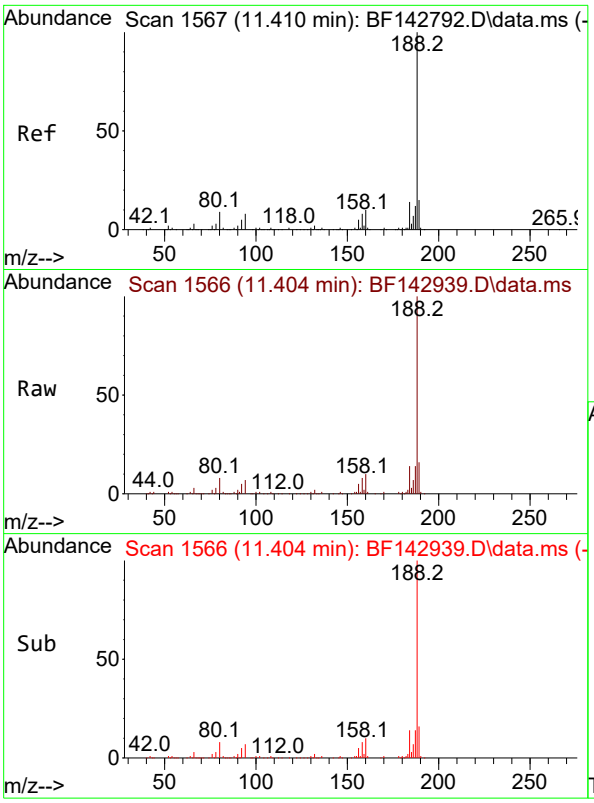


#45
2-Fluorobiphenyl
Concen: 10.754 ng
RT: 9.227 min Scan# 1196
Delta R.T. -0.018 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:172 Resp: 66978

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	23.0	18.5	27.7



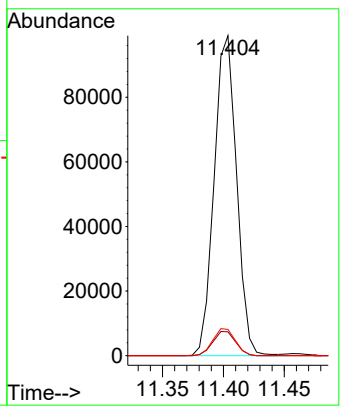


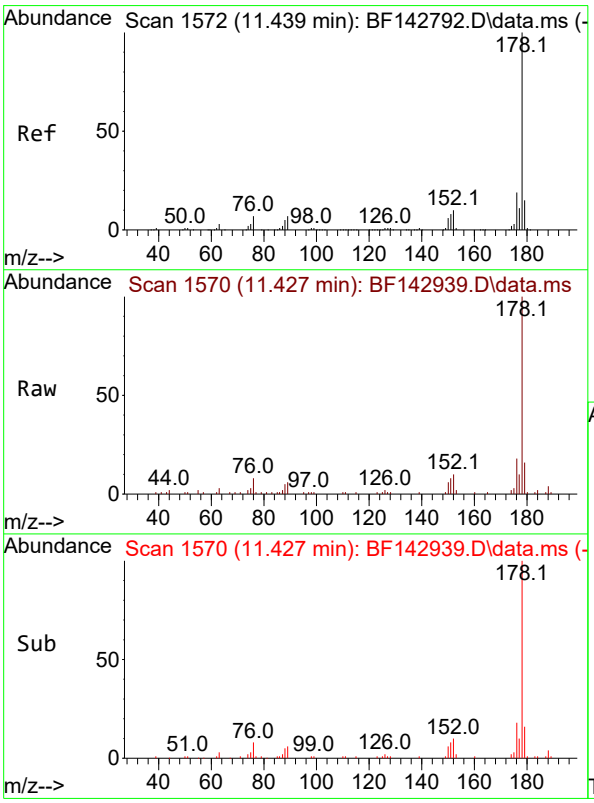
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:188 Resp: 127248

Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	8.2	6.9	10.3

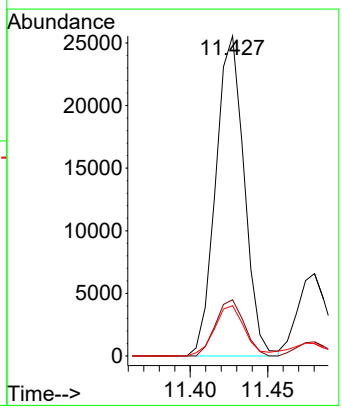


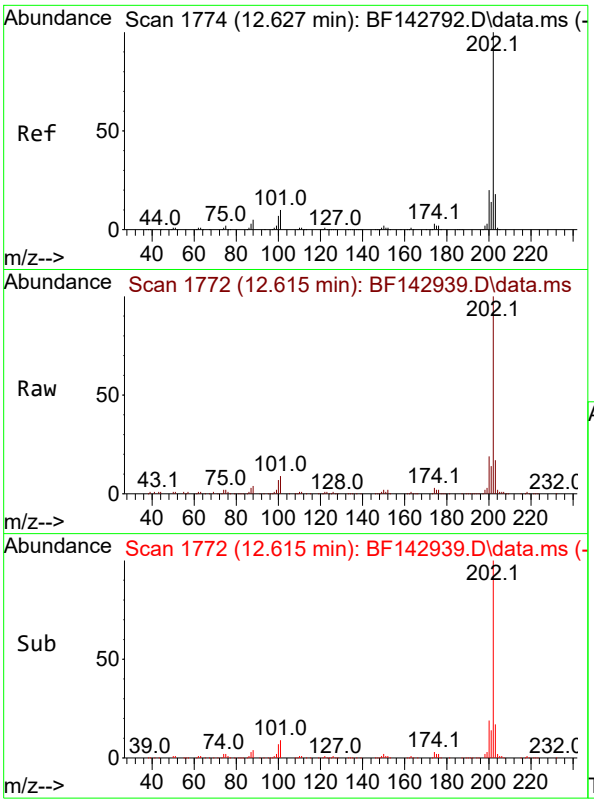


#71
Phenanthrene
Concen: 4.734 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:178 Resp: 32629

Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.1	22.7
179	15.7	12.0	18.0



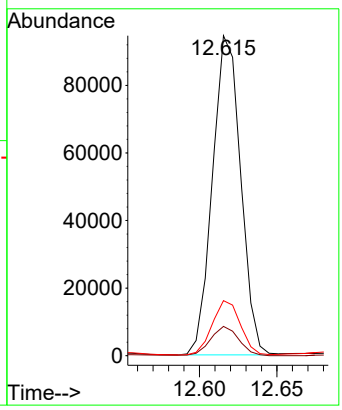


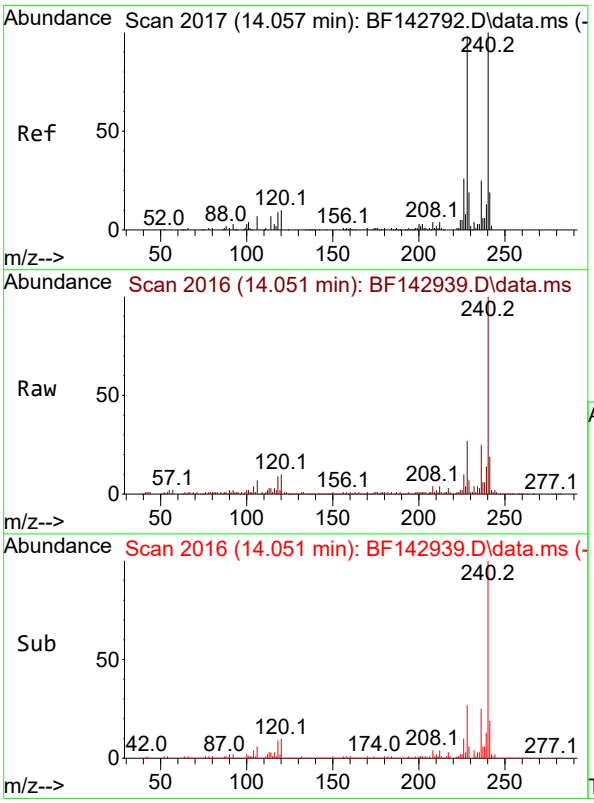
#75
Fluoranthene
Concen: 18.265 ng
RT: 12.615 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:202 Resp: 119488

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.7
203	17.2	0.0	37.5

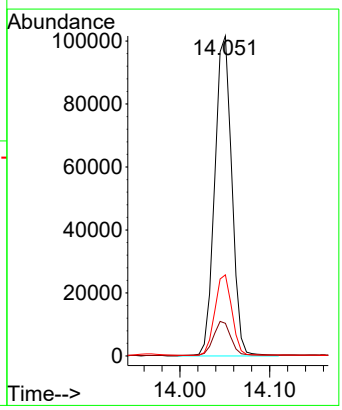


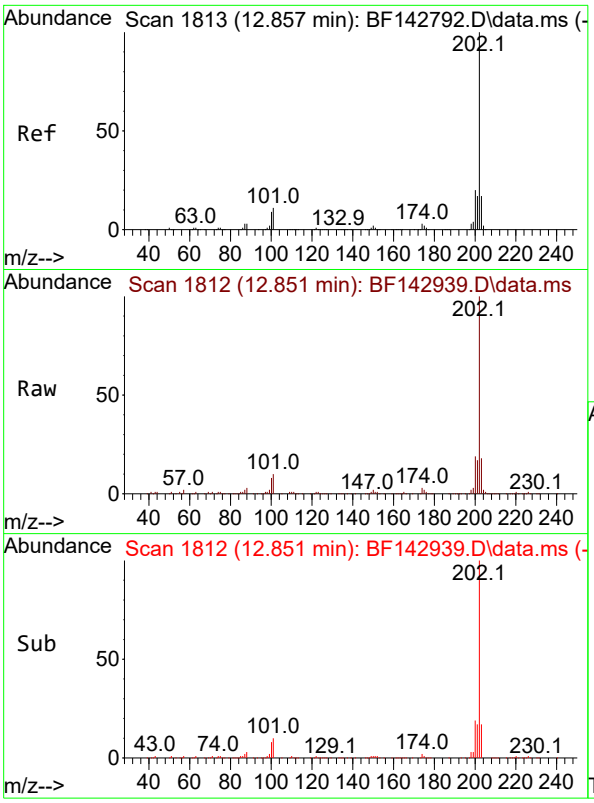


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:240 Resp: 134305

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	25.4	19.8	29.8



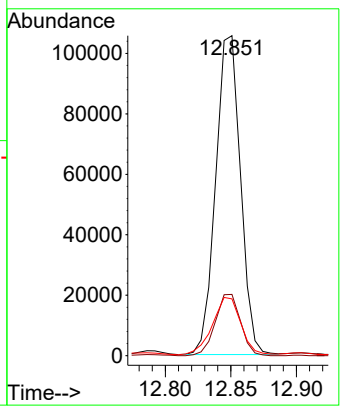


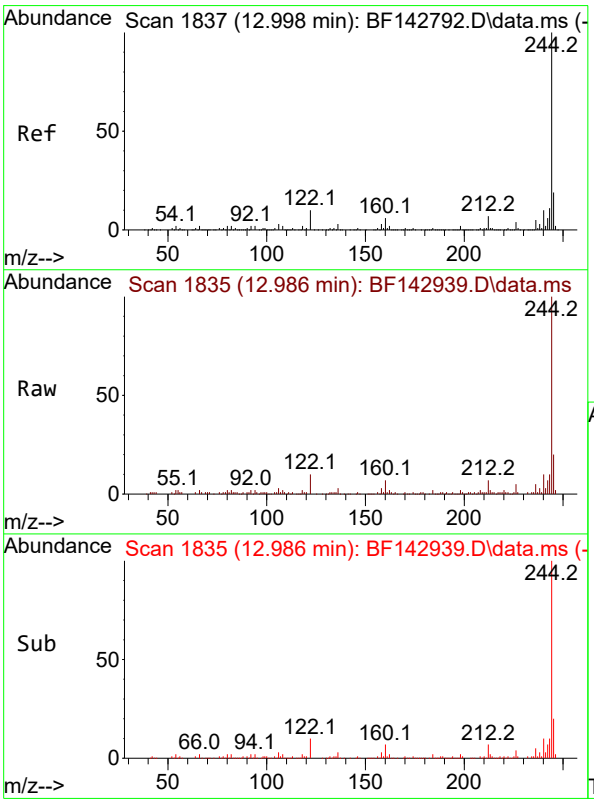
#78
Pyrene
Concen: 11.020 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:202 Resp: 138733

Ion	Ratio	Lower	Upper
202	100		
200	19.1	15.7	23.5
203	17.8	13.8	20.6

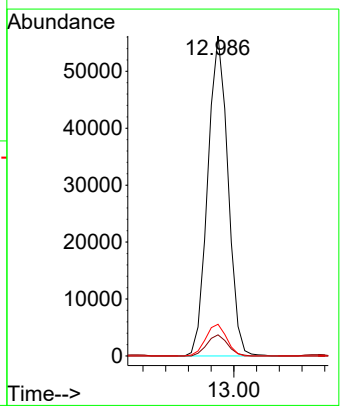


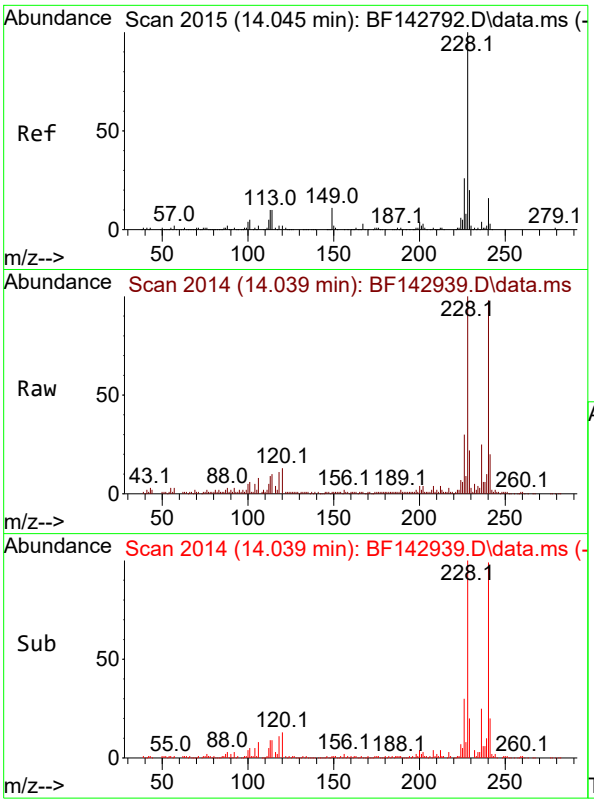


#79
Terphenyl-d14
Concen: 7.136 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:244 Resp: 69365

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.9	8.2	12.2



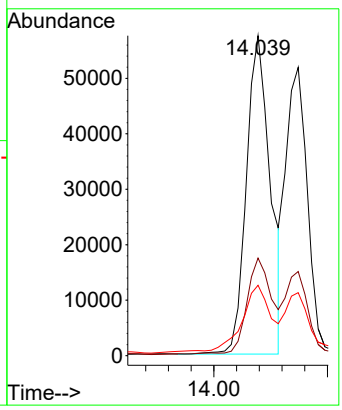


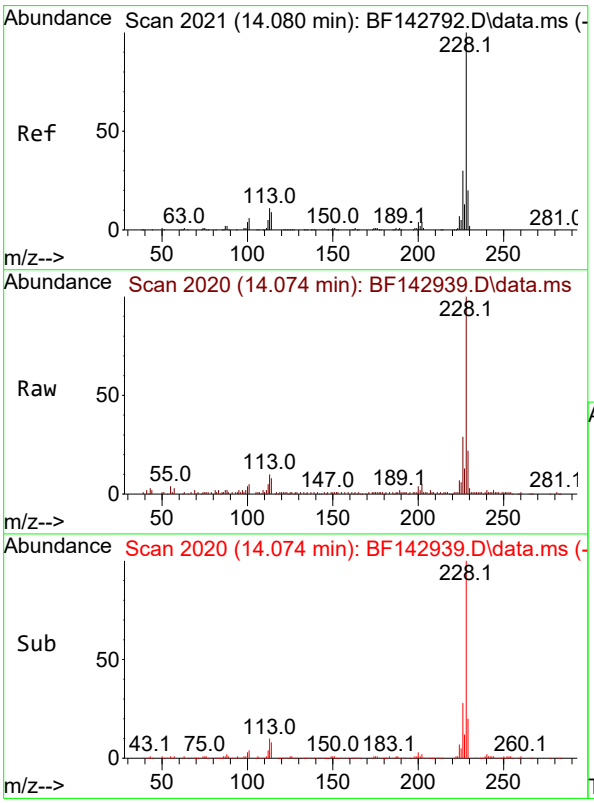
#81
Benzo(a)anthracene
Concen: 9.278 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:228 Resp: 84058

Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.2	31.8
229	22.0	15.6	23.4

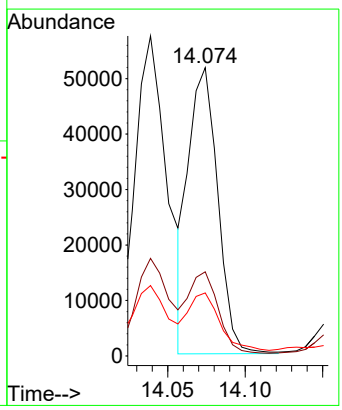


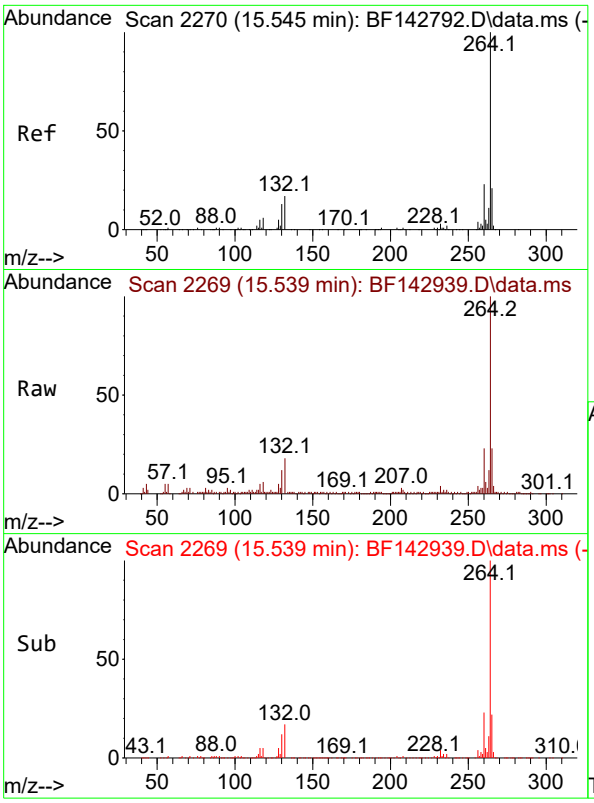


#83
Chrysene
Concen: 8.388 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:228 Resp: 67817

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.7	35.5
229	21.9	15.7	23.5



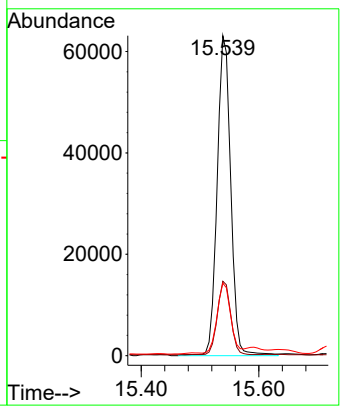


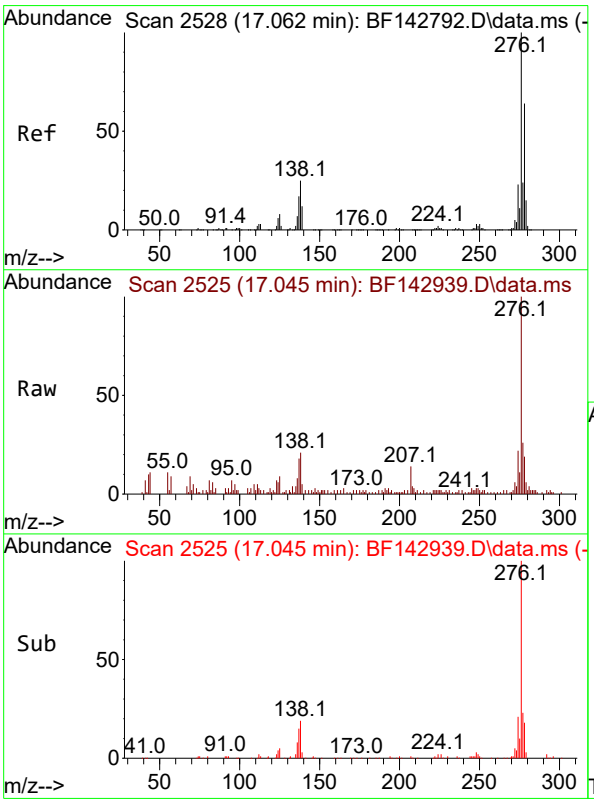
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:264 Resp: 101409

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.1	27.1
265	22.6	16.6	25.0

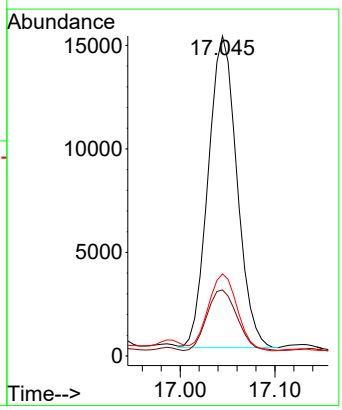


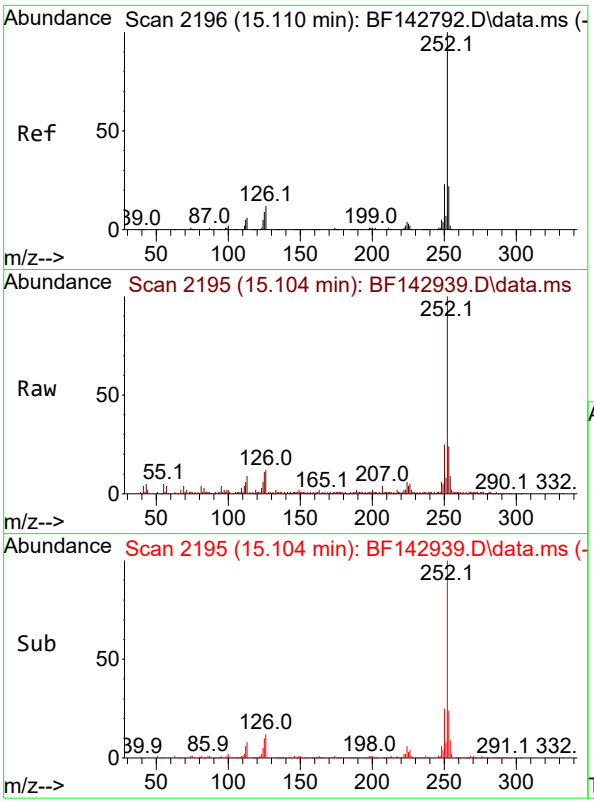


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.104 ng
RT: 17.045 min Scan# 2525
Delta R.T. -0.018 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:276 Resp: 31703

Ion	Ratio	Lower	Upper
276	100		
138	20.8	20.2	30.4
277	25.0	19.8	29.6



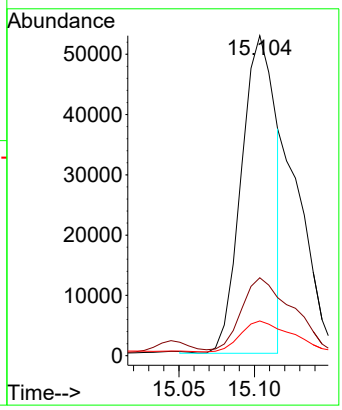


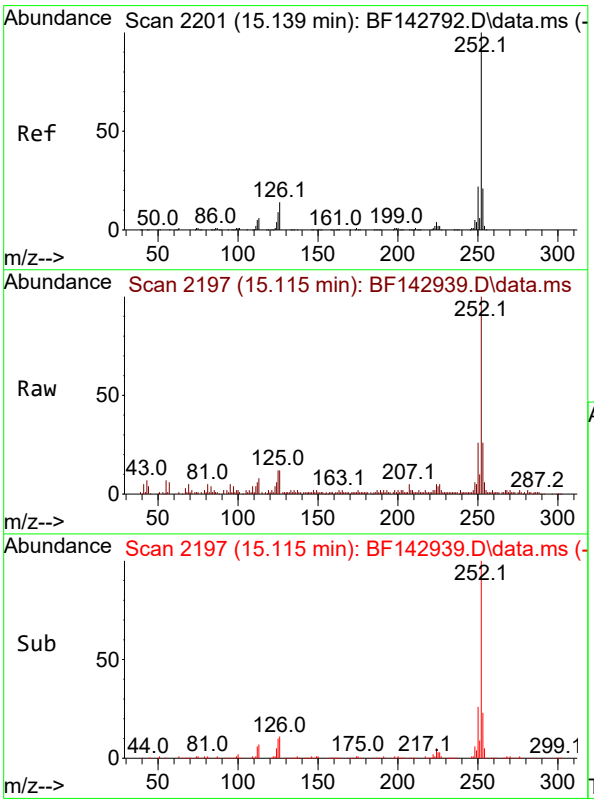
#88
Benzo(b)fluoranthene
Concen: 14.190 ng m
RT: 15.104 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:252 Resp: 83265

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	10.9	7.4	11.0

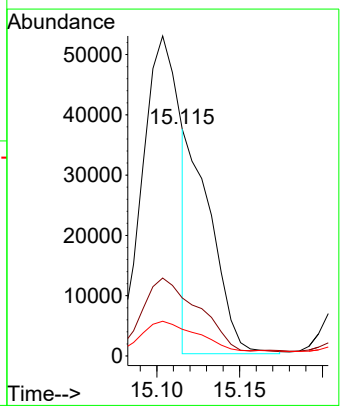


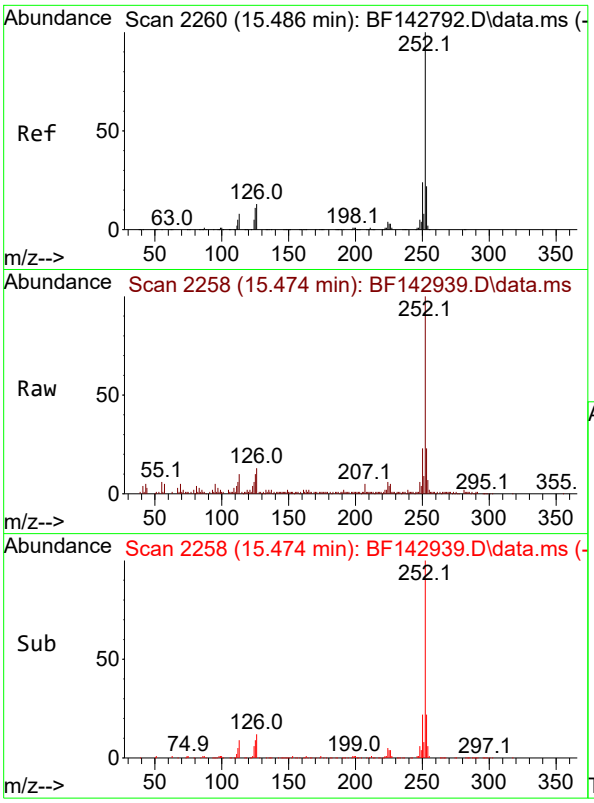


#89
Benzo(k)fluoranthene
Concen: 6.883 ng m
RT: 15.115 min Scan# 2197
Delta R.T. -0.024 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:252 Resp: 37786

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.2	25.8
125	11.8	7.4	11.2#



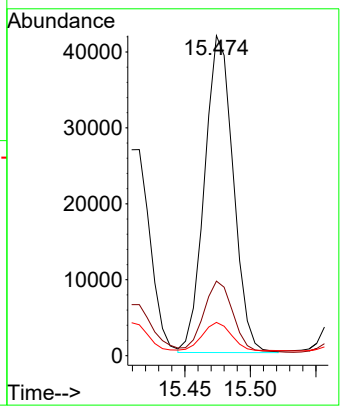


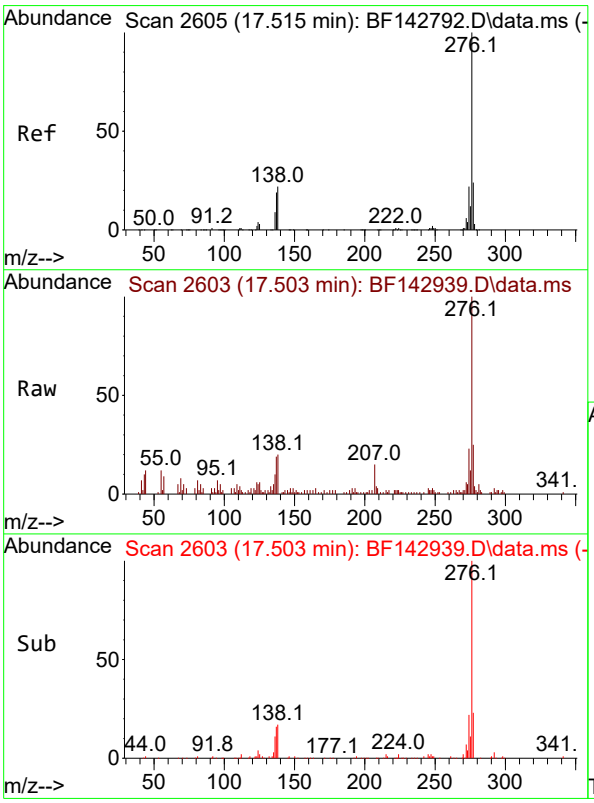
#90
Benzo(a)pyrene
Concen: 11.201 ng
RT: 15.474 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:252 Resp: 63497

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	10.4	8.6	12.8





#92
Benzo(g,h,i)perylene
Concen: 5.261 ng
RT: 17.503 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142939.D
Acq: 01 Jul 2025 03:14

Tgt Ion:276 Resp: 32927

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.8	28.2
138	20.4	17.6	26.4