Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142956.D
Acq On : 01 Jul 2025 18:31
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Quant Time: Jul 02 01:03:05 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	39108	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	133061	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	72460	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	145430	20.000	ng	0.00
76) Chrysene-d12	14.051	240	116724	20.000	ng	0.00
86) Perylene-d12	15.545	264	86219	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	32505	13.838	ng	0.00
7) Phenol-d6	6.504	99	36834	13.291	ng	0.00
23) Nitrobenzene-d5	7.433	82	20623	8.501	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	12392	16.619	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	54256	9.836	ng	-0.01
79) Terphenyl-d14	12.986	244	79764	9.442	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	37220	4.725	ng	99
75) Fluoranthene	12.621	202	133879	17.906	ng	99
78) Pyrene	12.851	202	151667	13.862	ng	99
81) Benzo(a)anthracene	14.039	228	71772	9.115	ng	93
83) Chrysene	14.074	228	60994	8.681	ng	97
87) Indeno(1,2,3-cd)pyrene	17.051	276	32581	4.961	ng	96
88) Benzo(b)fluoranthene	15.104	252	74935m	15.020	ng	
89) Benzo(k)fluoranthene	15.121	252	25116m	5.381	ng	
90) Benzo(a)pyrene	15.480	252	54965	11.404	ng	95
92) Benzo(g,h,i)perylene	17.509	276	32607	6.128	ng	95

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
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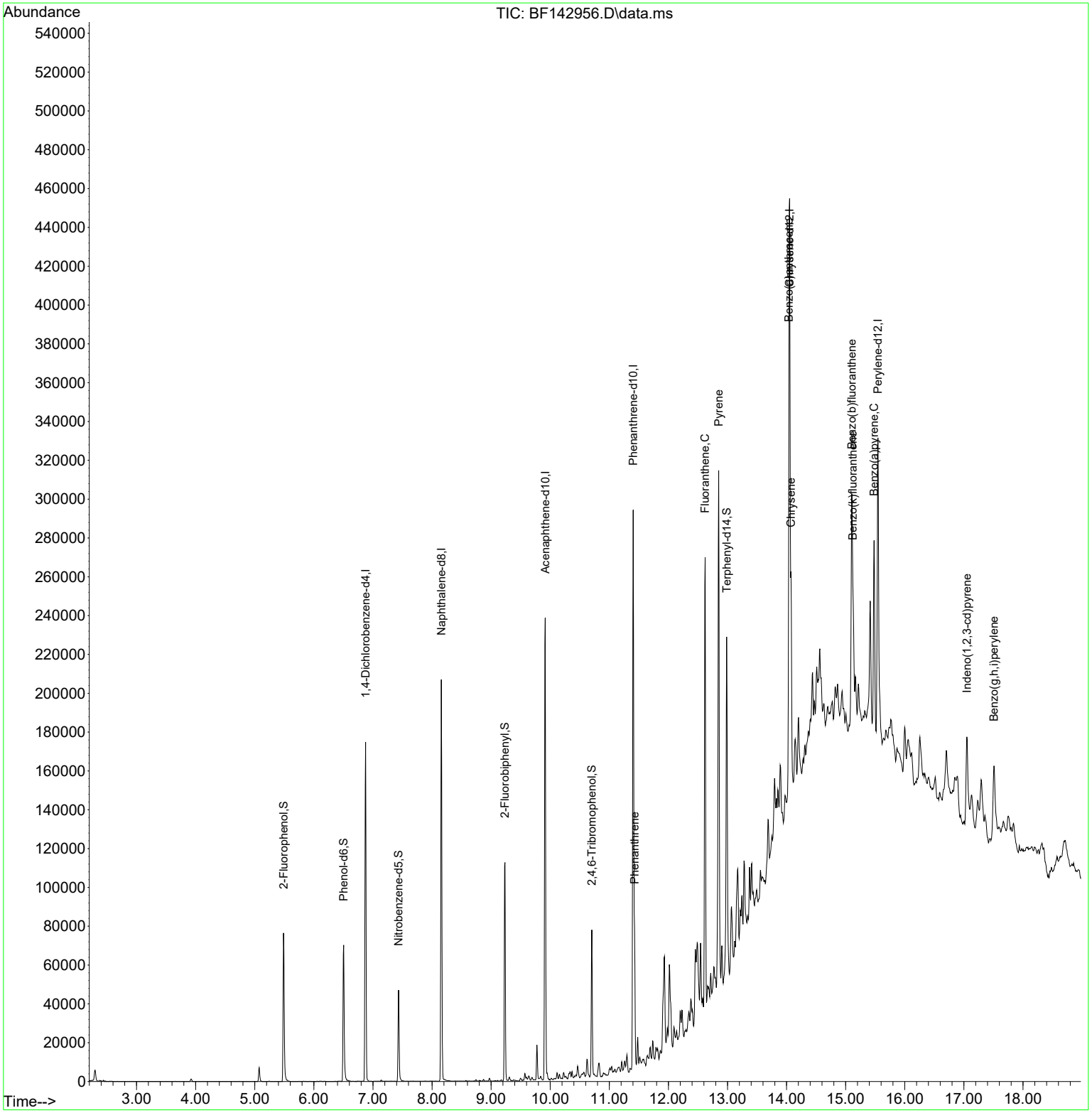
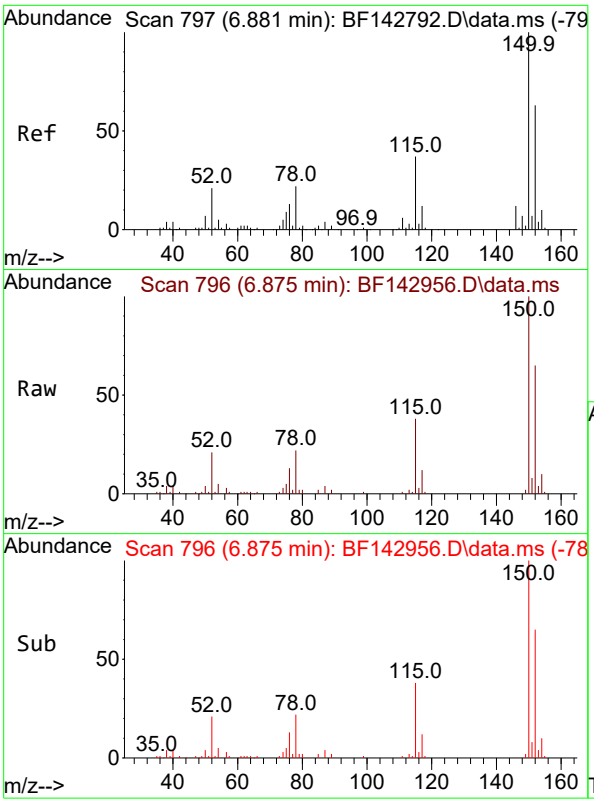
Acq On : 01 Jul 2025 18:31
Operator : RC/JU
Sample : Q2457-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Quant Time: Jul 02 01:03:05 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



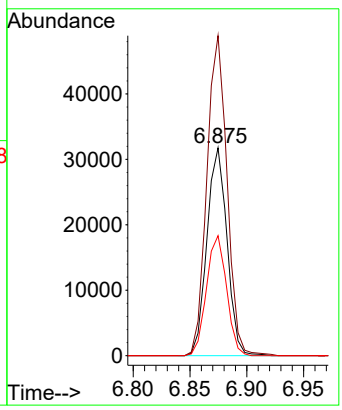


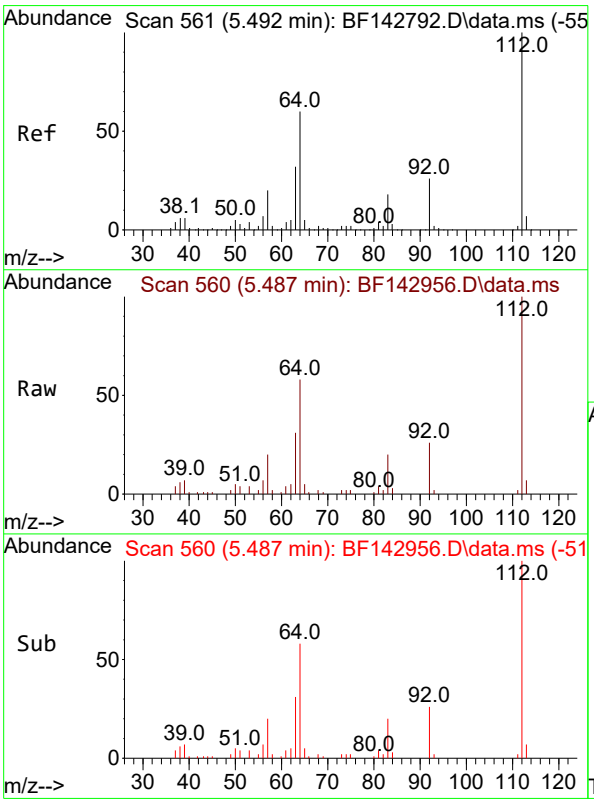
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:152 Resp: 39108

Ion	Ratio	Lower	Upper
152	100		
150	154.0	127.2	190.8
115	57.8	46.6	69.8

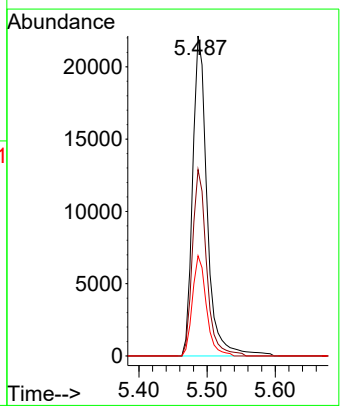


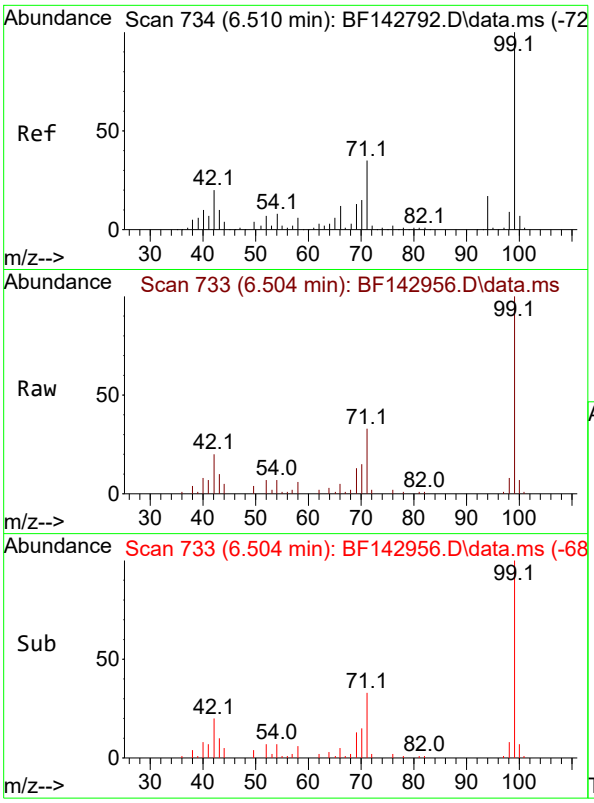


#5
2-Fluorophenol
Concen: 13.838 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:112 Resp: 32505

Ion	Ratio	Lower	Upper
112	100		
64	58.3	48.2	72.2
63	31.3	25.7	38.5



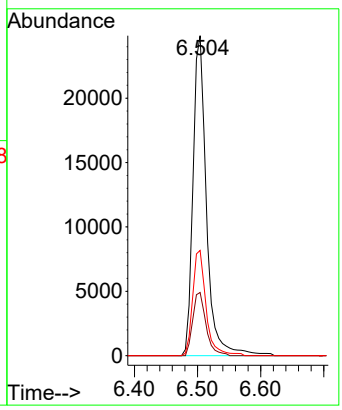


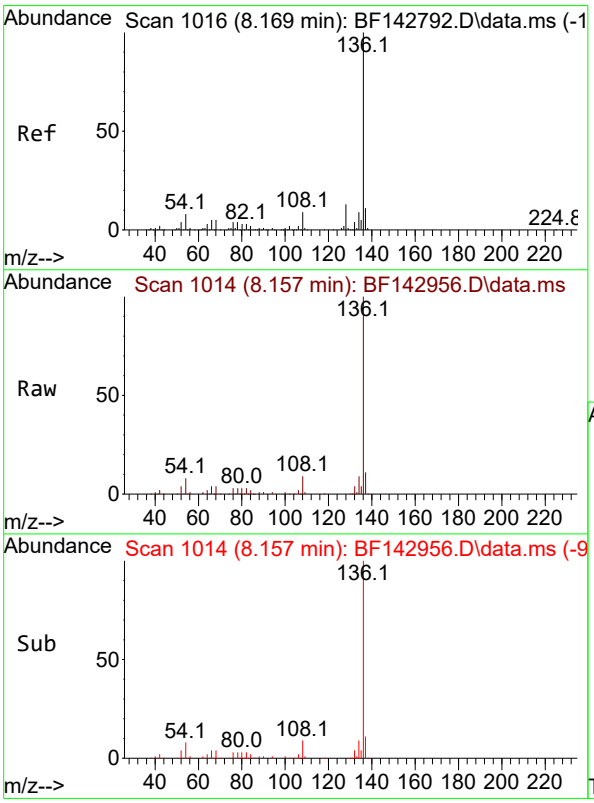
#7
Phenol-d6
Concen: 13.291 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion: 99 Resp: 36834

Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.9	23.9
71	32.9	27.8	41.8

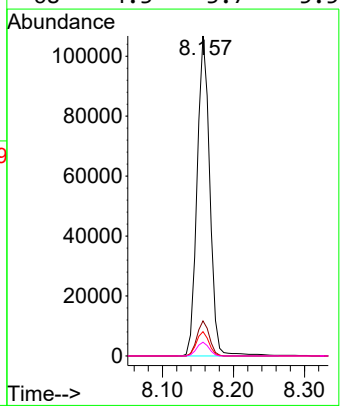


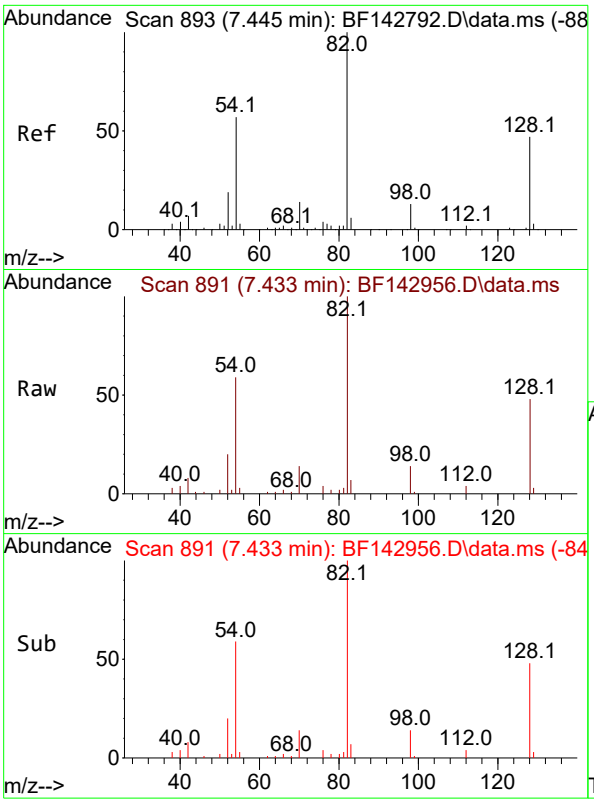


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:136 Resp: 133061

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.6	6.3	9.5
68	4.3	3.7	5.5



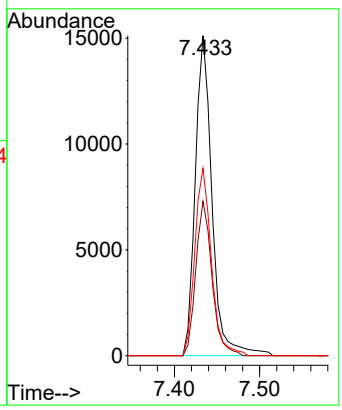


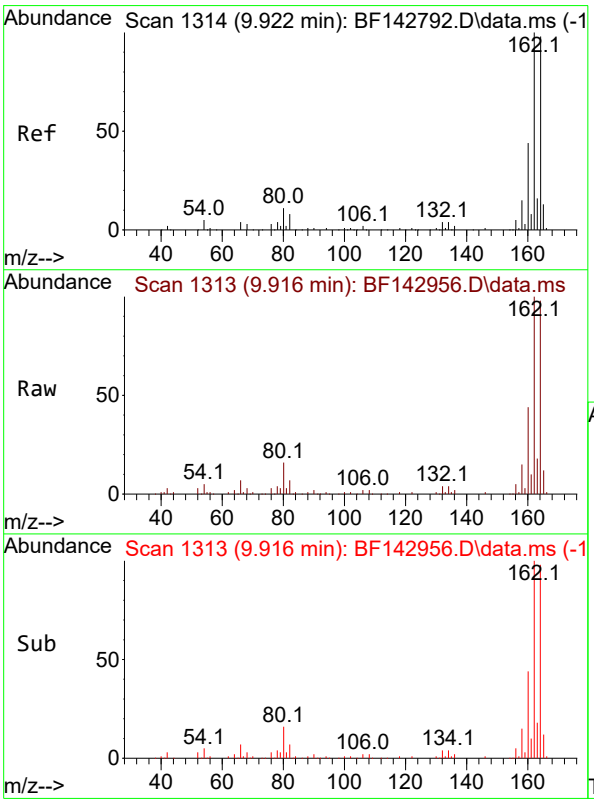
#23
Nitrobenzene-d5
Concen: 8.501 ng
RT: 7.433 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion: 82 Resp: 20623

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.7	56.5
54	58.6	45.7	68.5

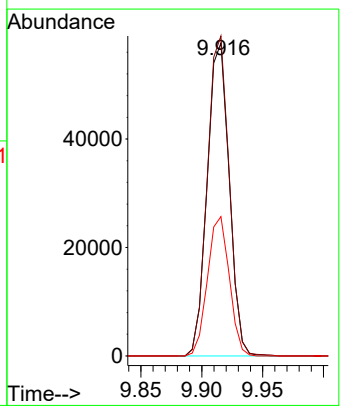


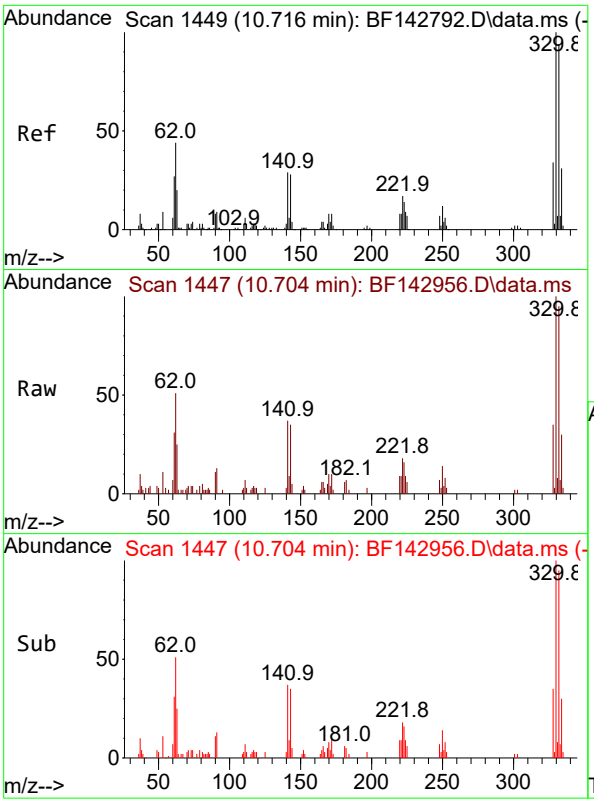


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:164 Resp: 72460

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.8
160	44.5	36.0	54.0



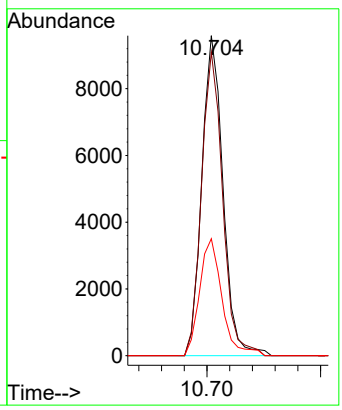


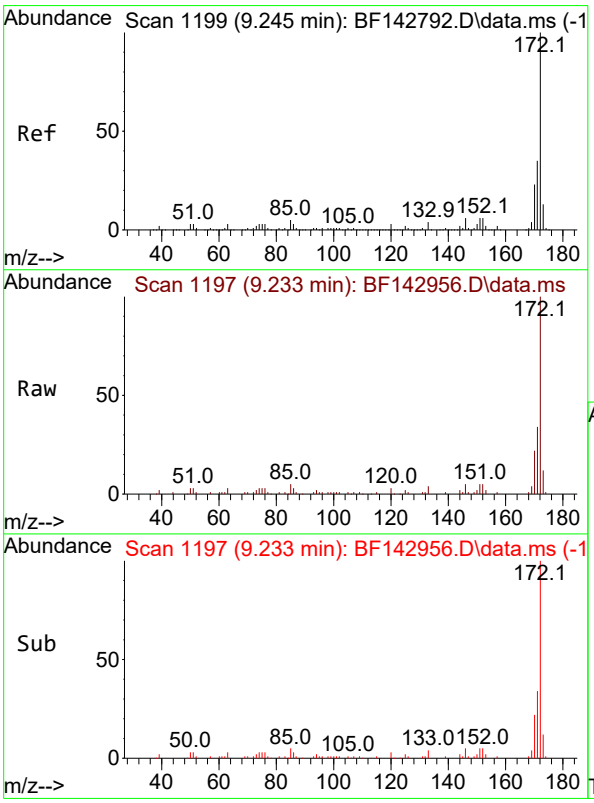
#42
2,4,6-Tribromophenol
Concen: 16.619 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:330 Resp: 12392

Ion	Ratio	Lower	Upper
330	100		
332	94.6	75.0	112.6
141	38.7	25.3	37.9#

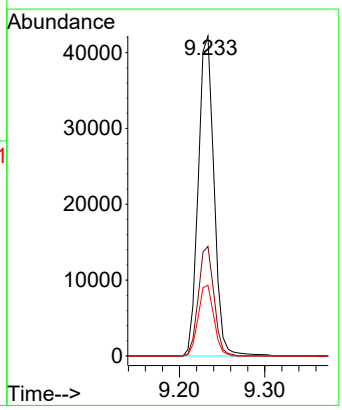


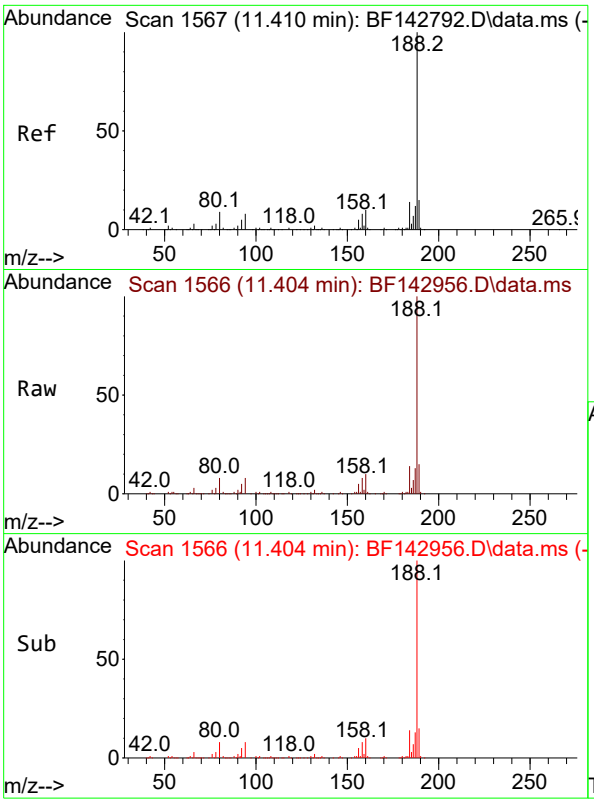


#45
2-Fluorobiphenyl
Concen: 9.836 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:172 Resp: 54256

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.2	42.4
170	22.1	18.5	27.7



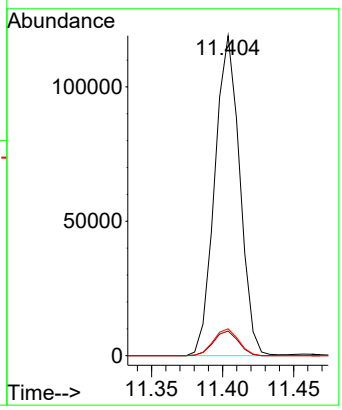


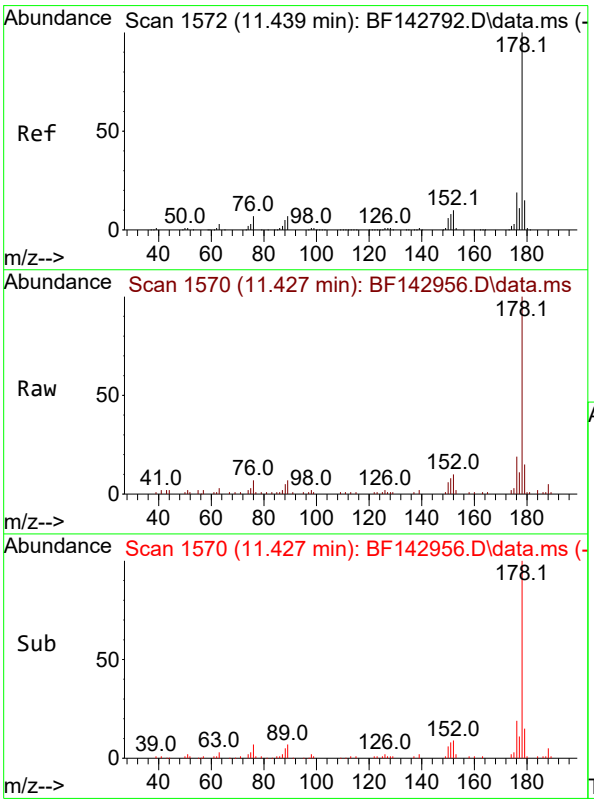
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:188 Resp: 145430

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.7	10.1
80	8.4	6.9	10.3

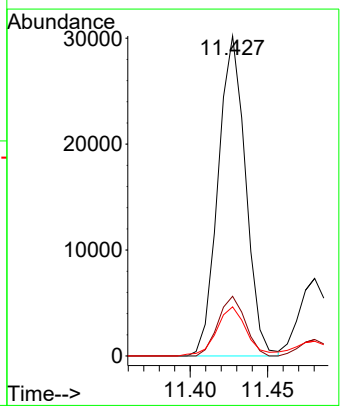


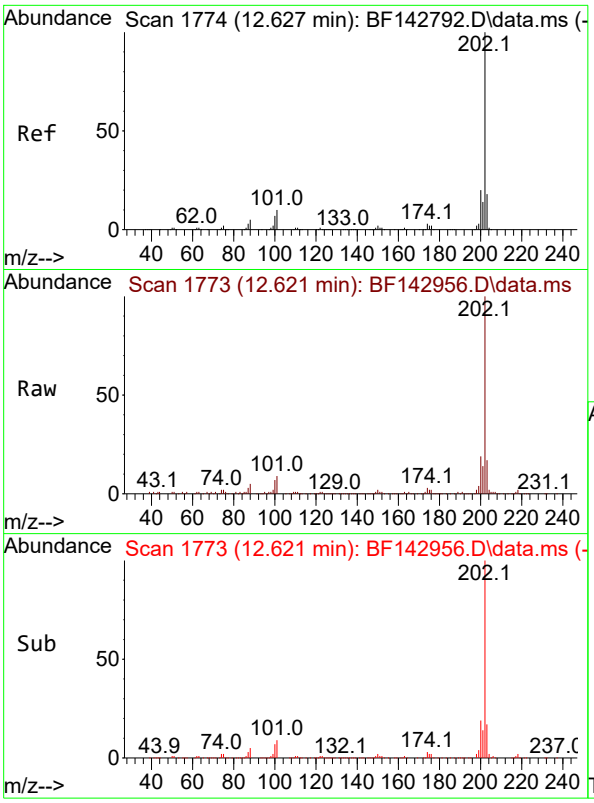


#71
Phenanthrene
Concen: 4.725 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:178 Resp: 37220

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.4	12.0	18.0



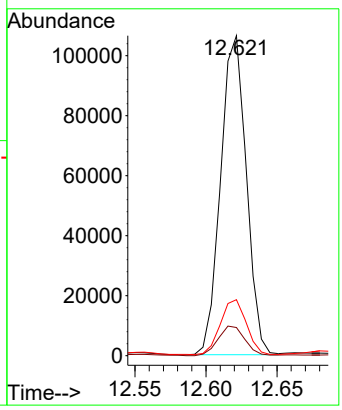


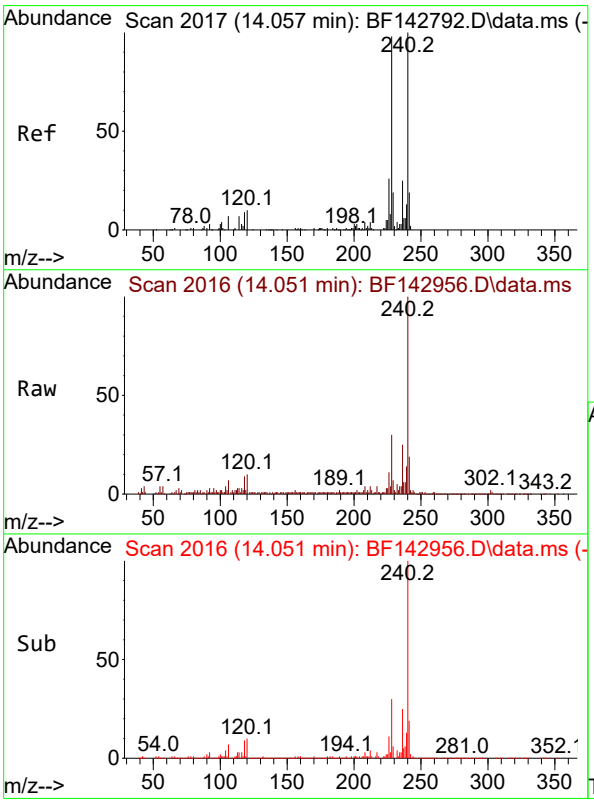
#75
Fluoranthene
Concen: 17.906 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:202 Resp: 133879

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	29.7
203	17.5	0.0	37.5

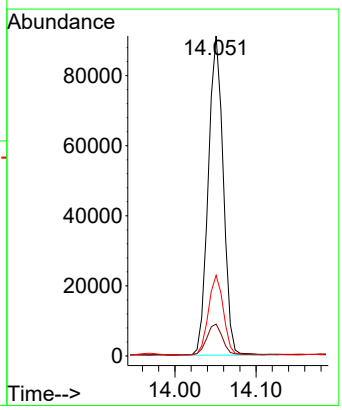


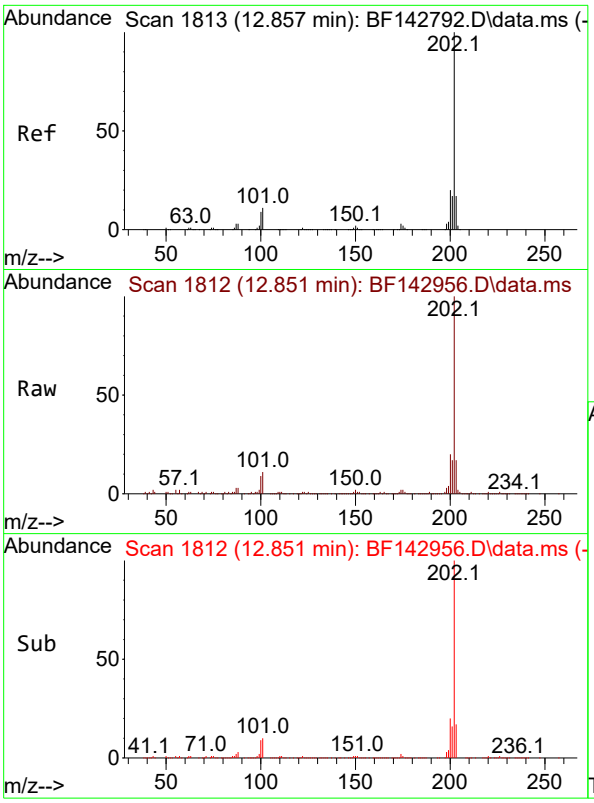


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:240 Resp: 116724

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.2	12.2
236	25.2	19.8	29.8



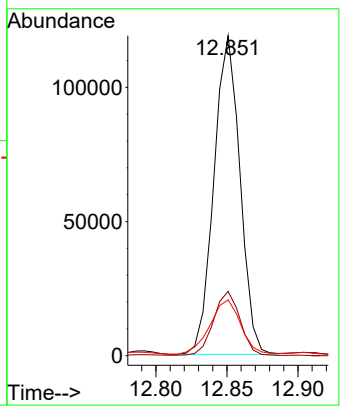


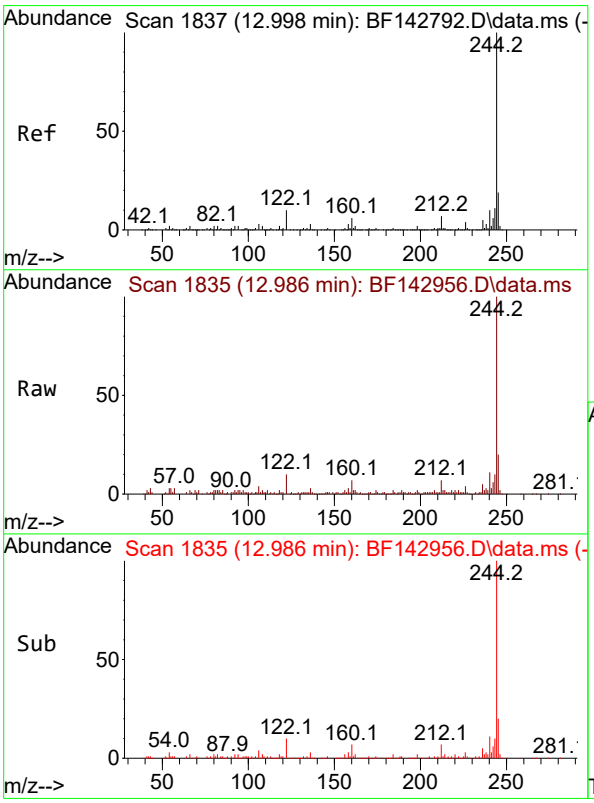
#78
Pyrene
Concen: 13.862 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:202 Resp: 151667

Ion	Ratio	Lower	Upper
202	100		
200	20.1	15.7	23.5
203	17.4	13.8	20.6

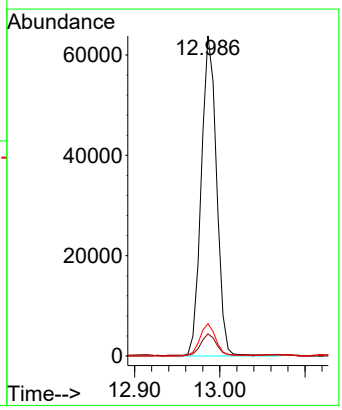


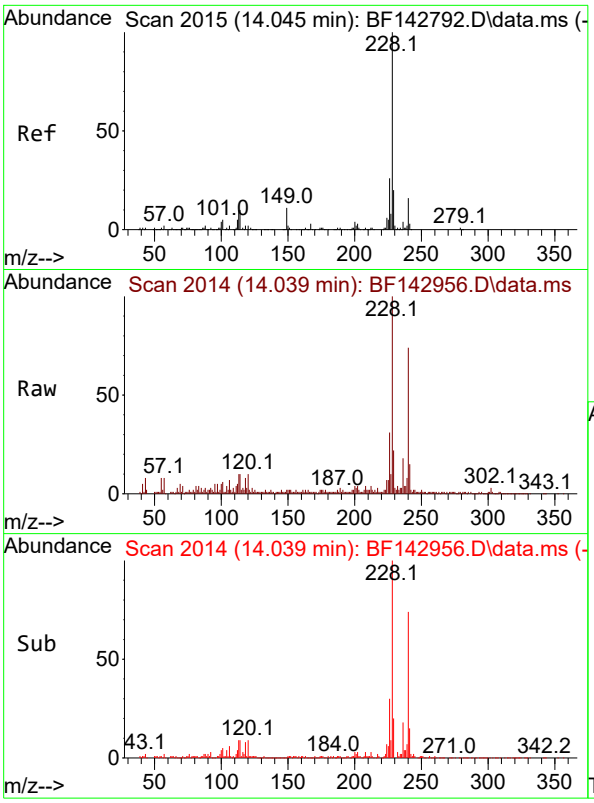


#79
Terphenyl-d14
Concen: 9.442 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:244 Resp: 79764

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.0	8.2	12.2



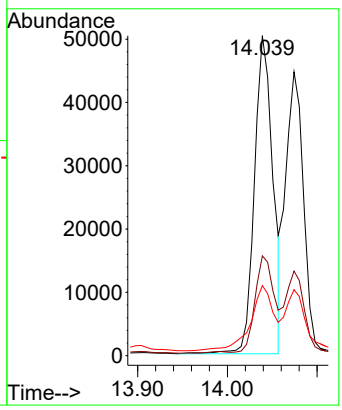


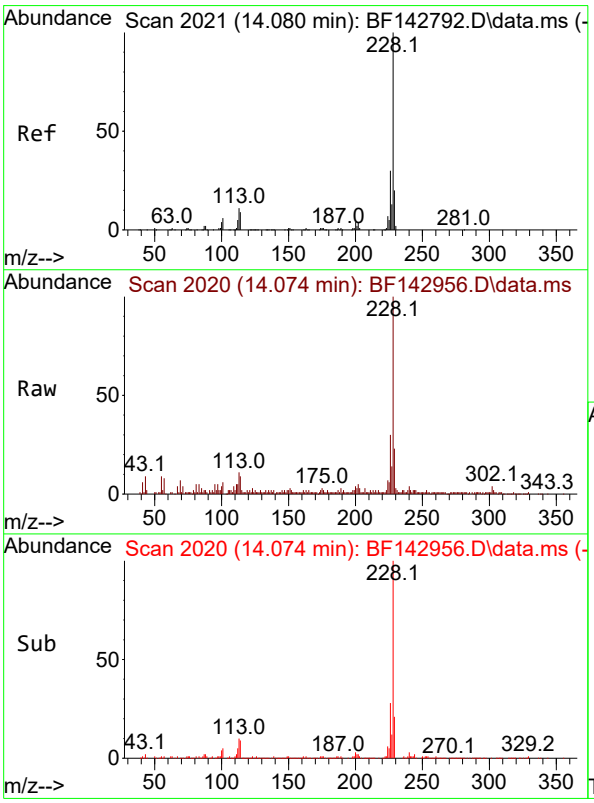
#81
Benzo(a)anthracene
Concen: 9.115 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:228 Resp: 71772

Ion	Ratio	Lower	Upper
228	100		
226	31.2	21.2	31.8
229	21.9	15.6	23.4

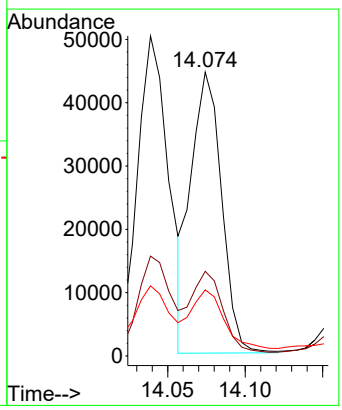


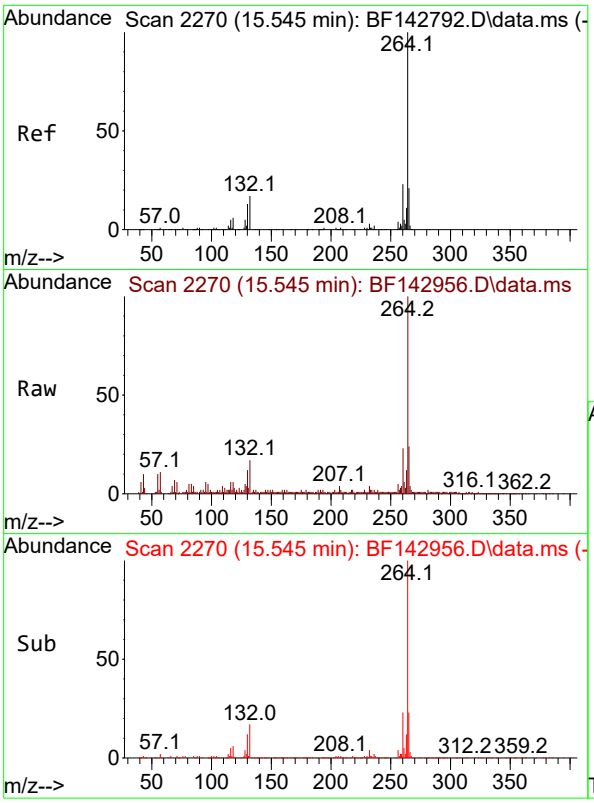


#83
Chrysene
Concen: 8.681 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:228 Resp: 60994

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.7	35.5
229	23.3	15.7	23.5



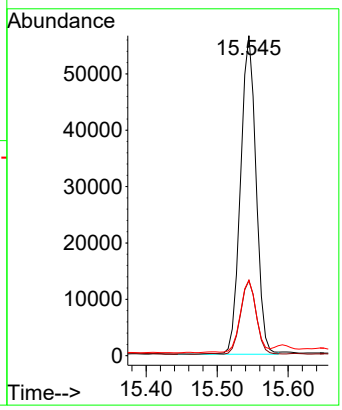


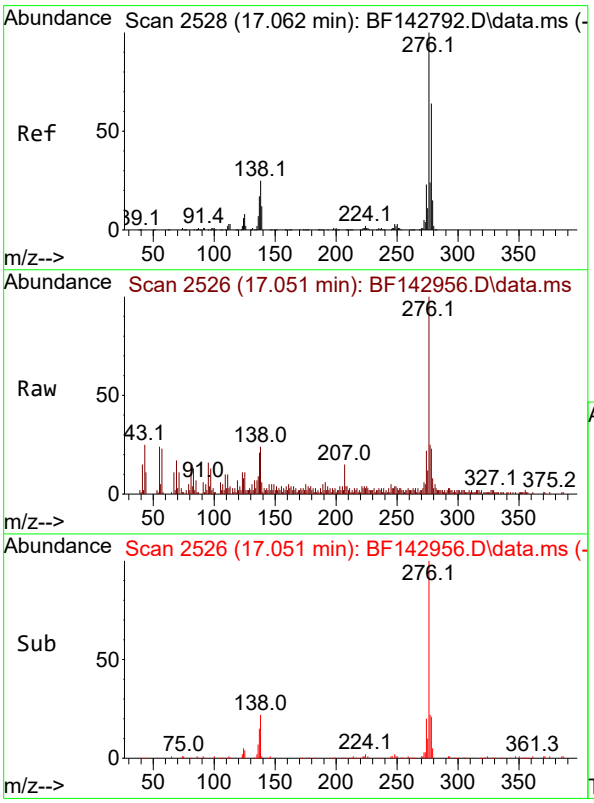
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:264 Resp: 86219

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.1	27.1
265	23.6	16.6	25.0

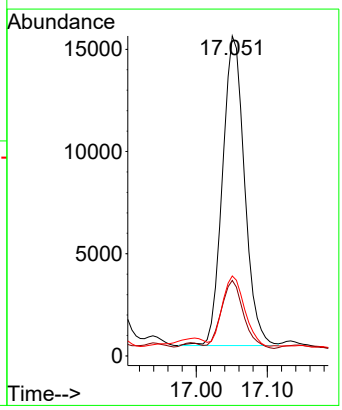


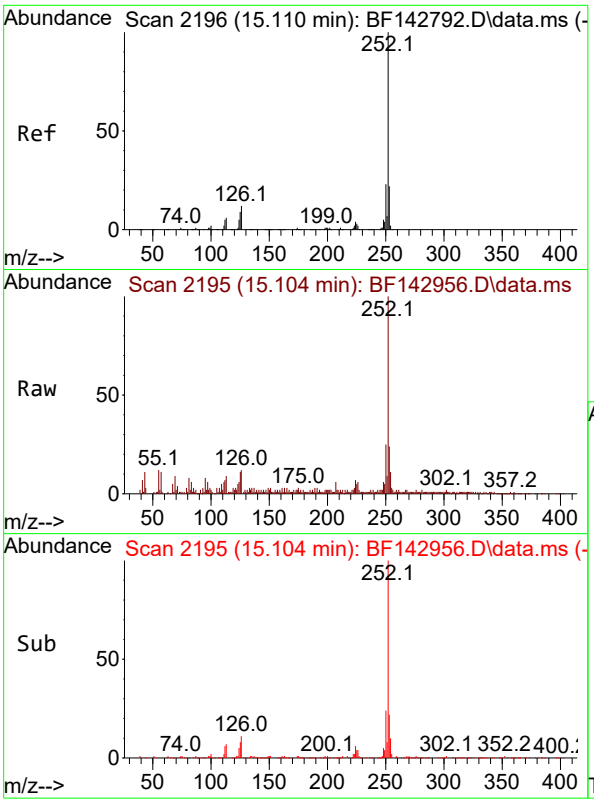


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.961 ng
RT: 17.051 min Scan# 2526
Delta R.T. -0.012 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:276 Resp: 32581

Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.2	30.4
277	23.2	19.8	29.6



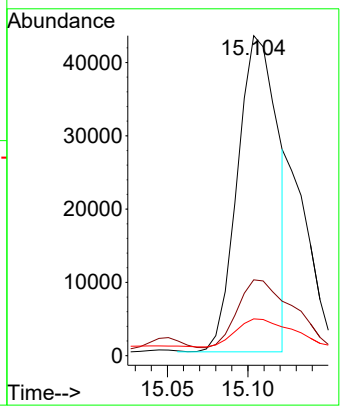


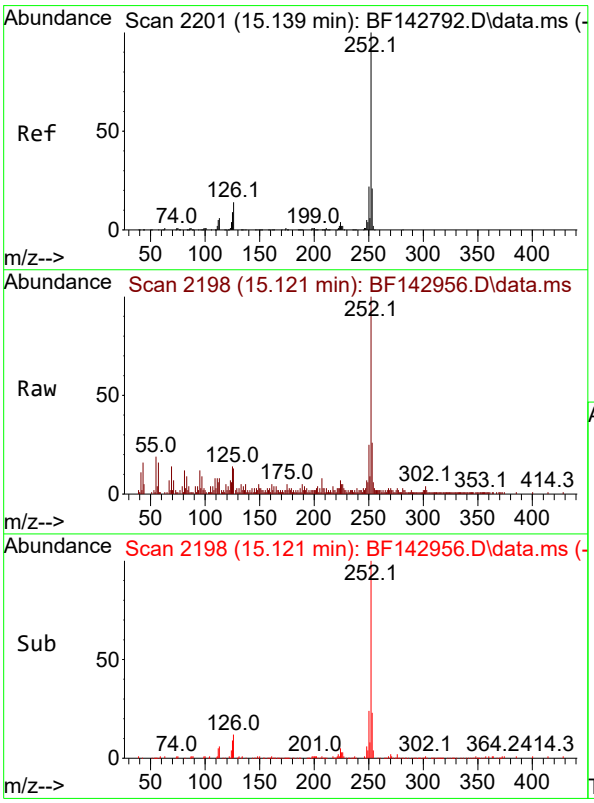
#88
Benzo(b)fluoranthene
Concen: 15.020 ng m
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:252 Resp: 74935

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	11.5	7.4	11.0#

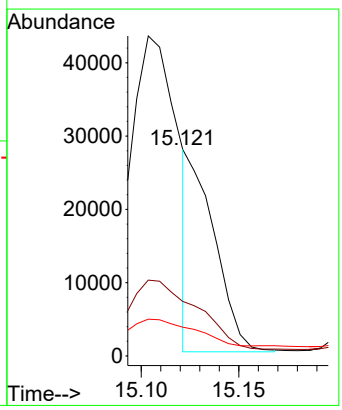


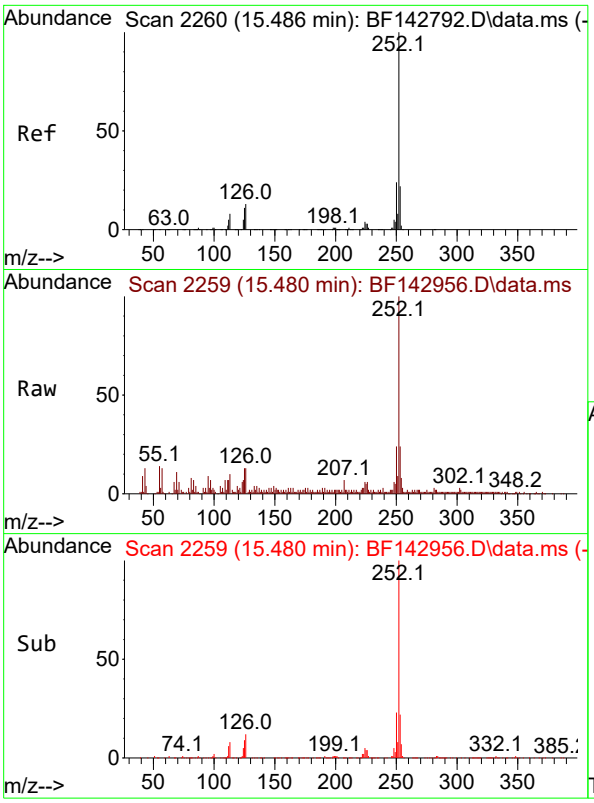


#89
Benzo(k)fluoranthene
Concen: 5.381 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:252 Resp: 25116

Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.2	25.8#
125	14.0	7.4	11.2#



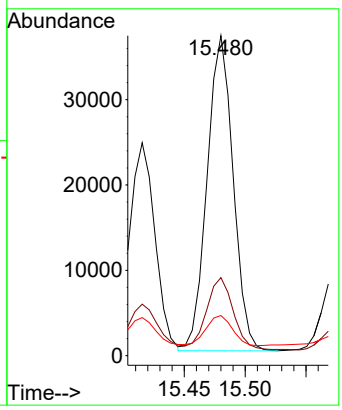


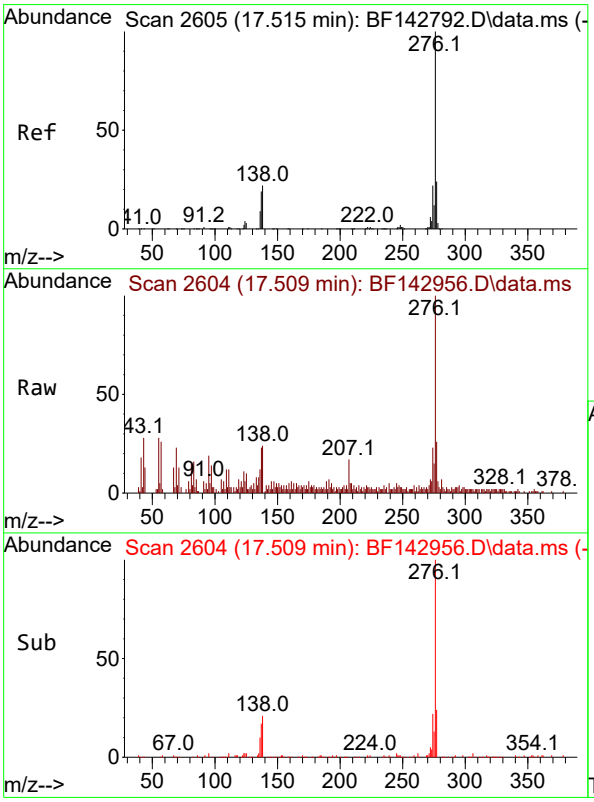
#90
Benzo(a)pyrene
Concen: 11.404 ng
RT: 15.480 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Instrument :
BNA_F
ClientSampleId :
OK-2-062725

Tgt Ion:252 Resp: 54965

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	12.5	8.6	12.8





#92
Benzo(g,h,i)perylene
Concen: 6.128 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF142956.D
Acq: 01 Jul 2025 18:31

Tgt Ion:276 Resp: 32607

Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.8	28.2
138	23.9	17.6	26.4