Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142512.D
Acq On : 22 May 2025 16:04
Operator : RC/JU
Sample : Q2052-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-B

Quant Time: May 22 16:31:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	107496	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	365434	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	160296	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	265807	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	181001	20.000	ng	-0.01
86) Perylene-d12	15.557	264	145750	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	389274	61.010	ng	0.00
7) Phenol-d6	6.516	99	481806	62.730	ng	-0.02
23) Nitrobenzene-d5	7.457	82	291892	43.555	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	79197	44.516	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	530043	44.371	ng	-0.02
79) Terphenyl-d14	13.010	244	497217	37.540	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.633	202	69727	5.253	ng	98
78) Pyrene	12.863	202	67228	3.982	ng	97
81) Benzo(a)anthracene	14.051	228	33045	2.734	ng	93
83) Chrysene	14.086	228	31495m	2.900	ng	
88) Benzo(b)fluoranthene	15.115	252	36936m	4.282	ng	
90) Benzo(a)pyrene	15.492	252	24565	3.021	ng	# 85

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

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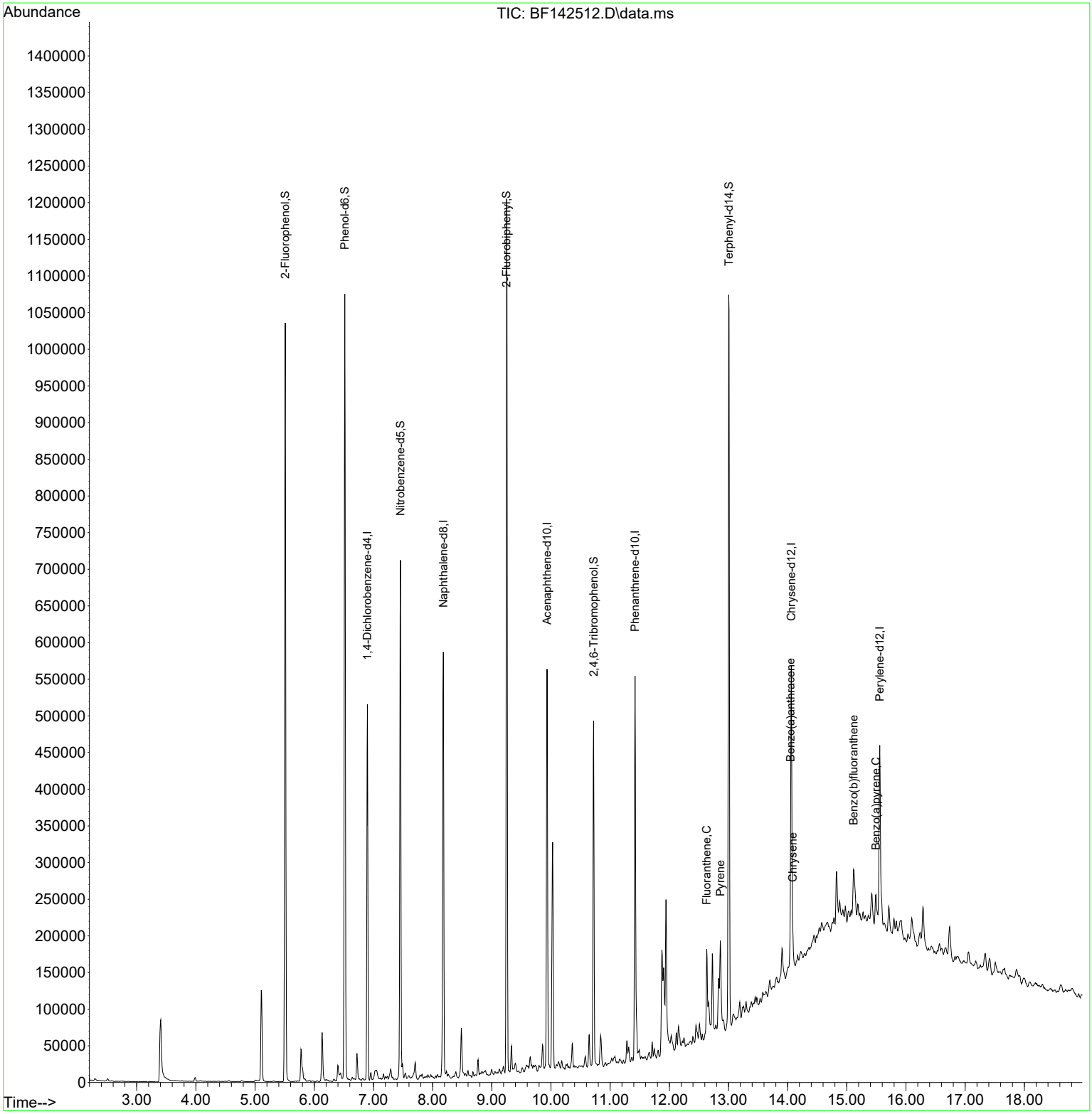
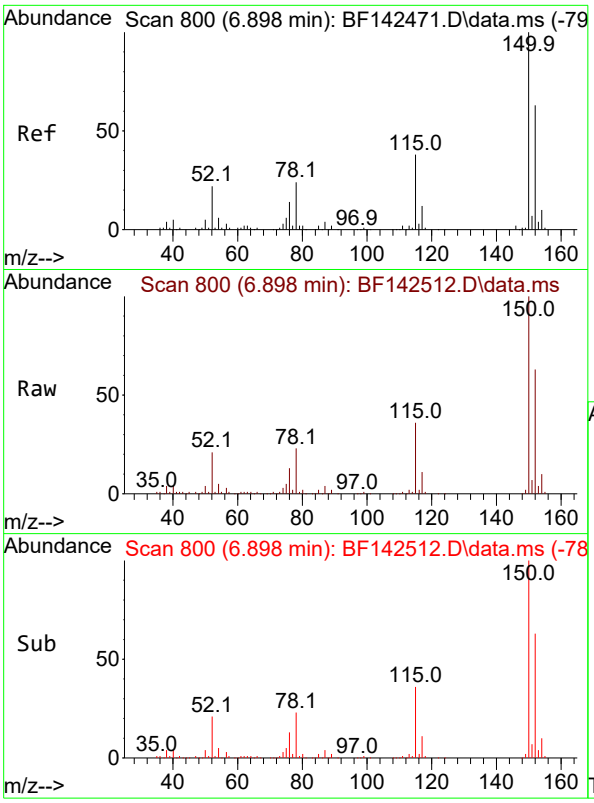


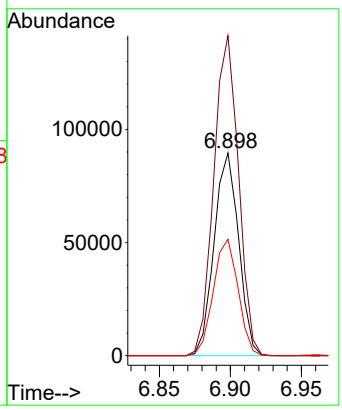


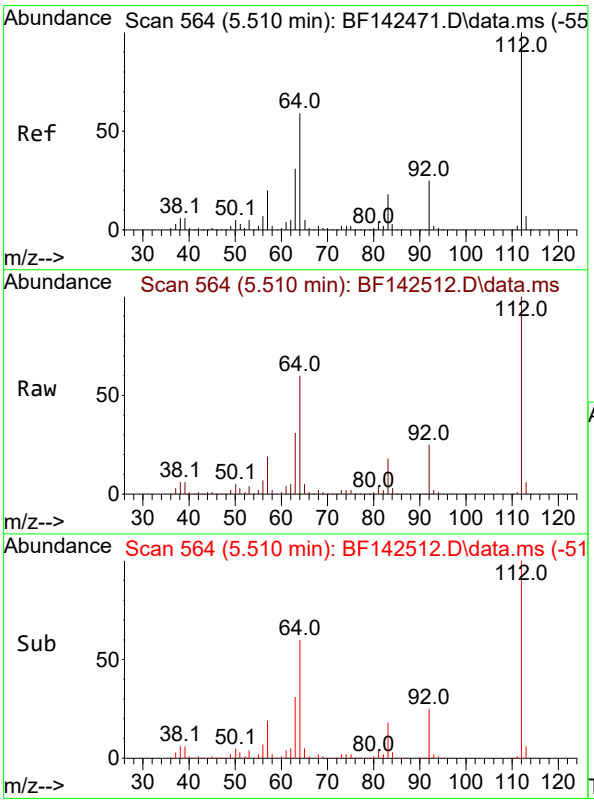
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Instrument :
BNA_F
ClientSampleId :
TP-B

Tgt Ion:152 Resp: 107496

Ion	Ratio	Lower	Upper
152	100		
150	157.8	128.2	192.4
115	57.4	48.3	72.5

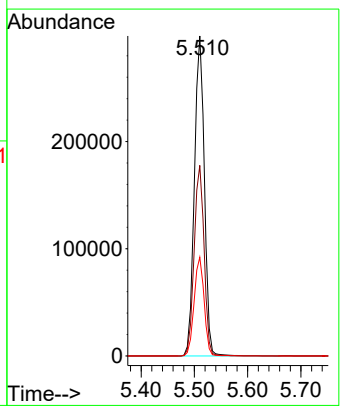


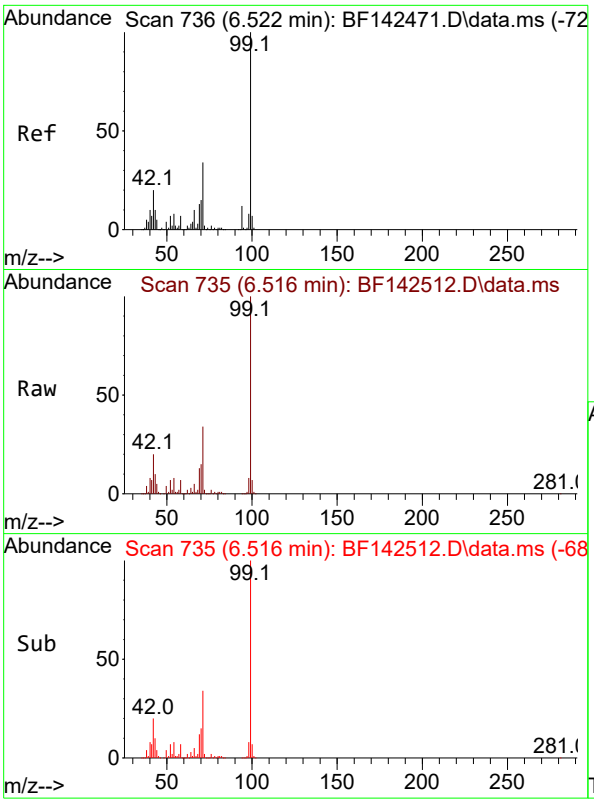


#5
2-Fluorophenol
Concen: 61.010 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion:112 Resp: 389274

Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.5	71.3
63	30.8	24.9	37.3



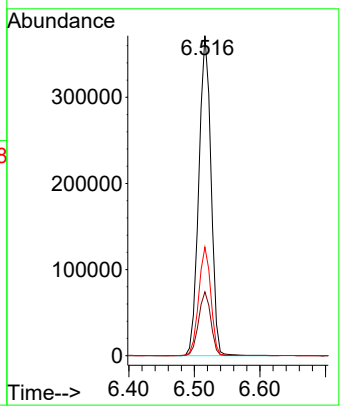


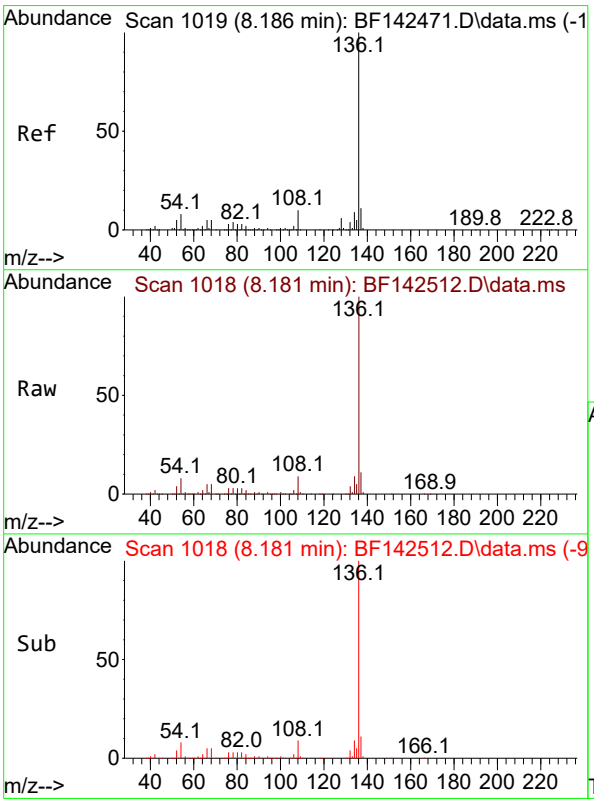
#7
Phenol-d6
Concen: 62.730 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Instrument :
BNA_F
ClientSampleId :
TP-B

Tgt Ion: 99 Resp: 481806

Ion	Ratio	Lower	Upper
99	100		
42	20.0	16.2	24.2
71	33.9	27.3	40.9

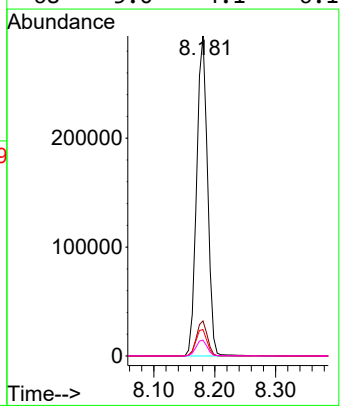


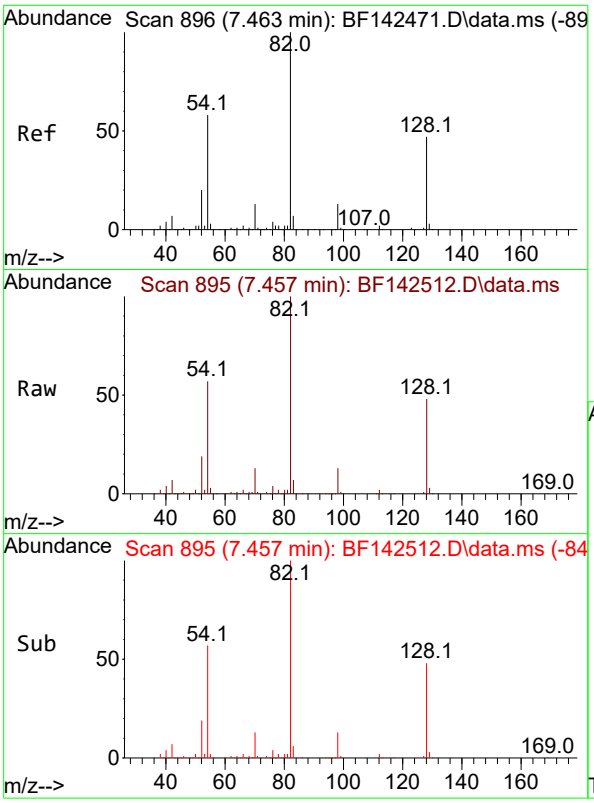


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion:136 Resp: 365434

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.3	6.6	10.0
68	5.0	4.1	6.1



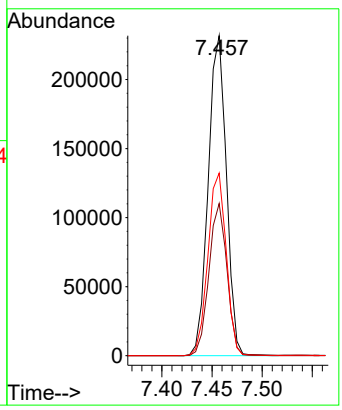


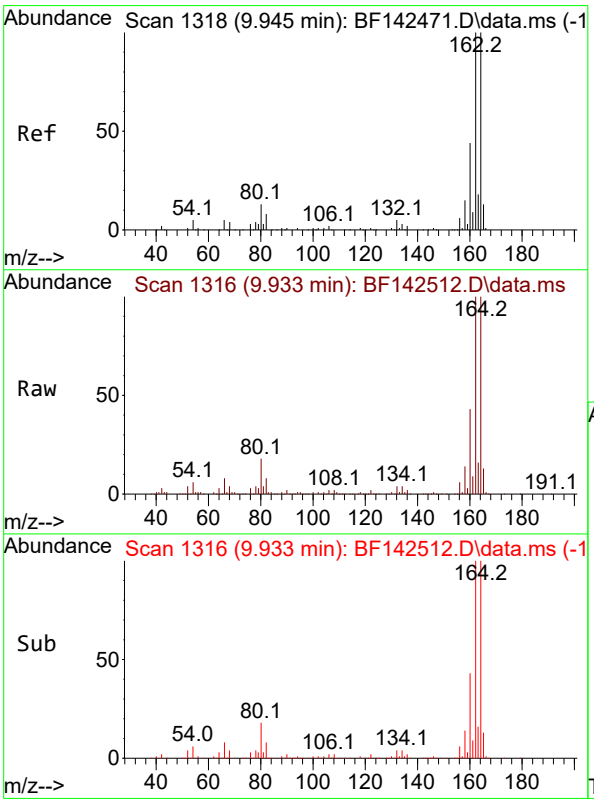
#23
Nitrobenzene-d5
Concen: 43.555 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Instrument :
BNA_F
ClientSampleId :
TP-B

Tgt Ion: 82 Resp: 291892

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.4	56.2
54	57.1	46.6	70.0

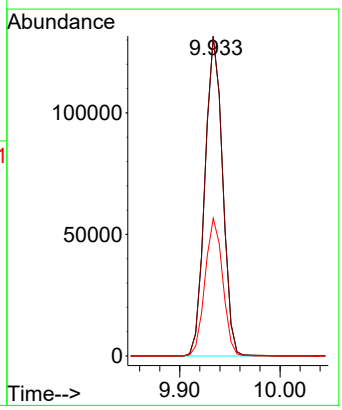


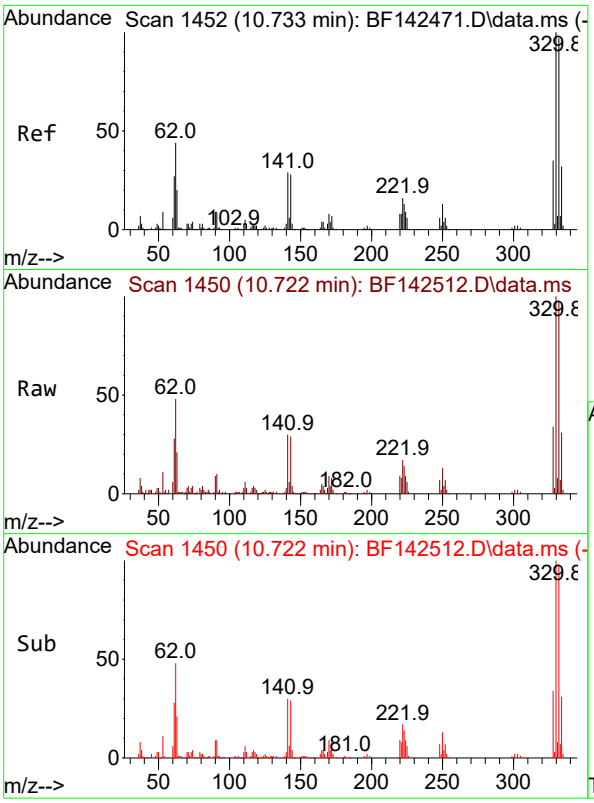


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion:164 Resp: 160296

Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.2	120.4
160	43.1	35.6	53.4



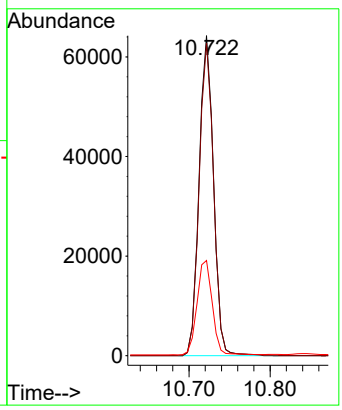


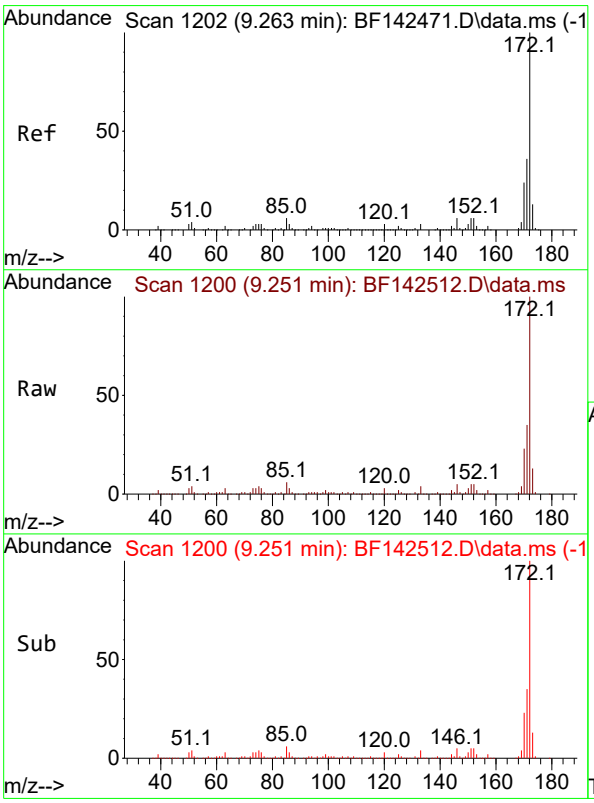
#42
2,4,6-Tribromophenol
Concen: 44.516 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Instrument :
BNA_F
ClientSampleId :
TP-B

Tgt Ion:330 Resp: 79197

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.6	116.4
141	31.1	24.6	36.8

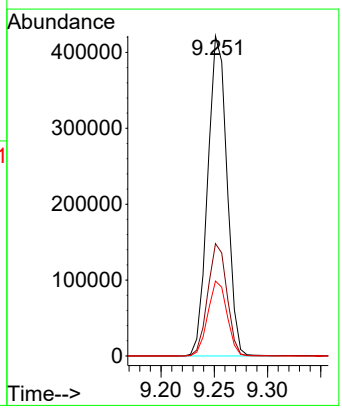


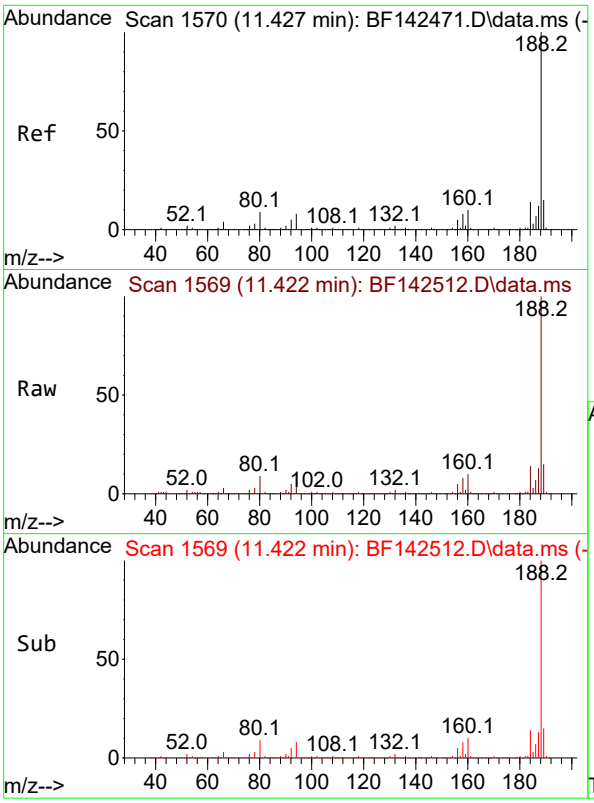


#45
2-Fluorobiphenyl
Concen: 44.371 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion:172 Resp: 530043

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	23.4	18.9	28.3



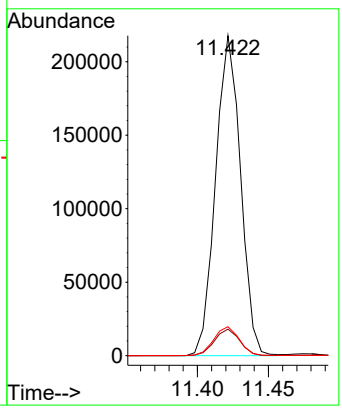


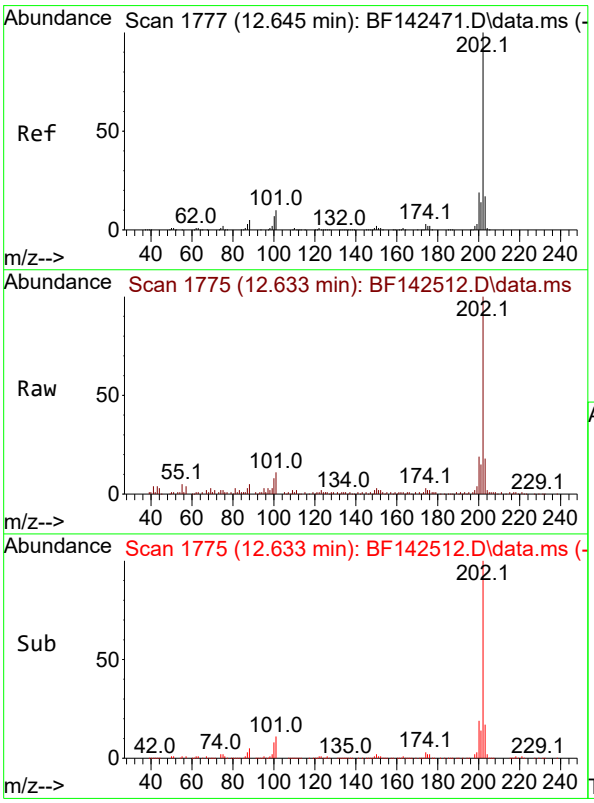
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Instrument :
BNA_F
ClientSampleId :
TP-B

Tgt Ion:188 Resp: 265807

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.0	7.4	11.0

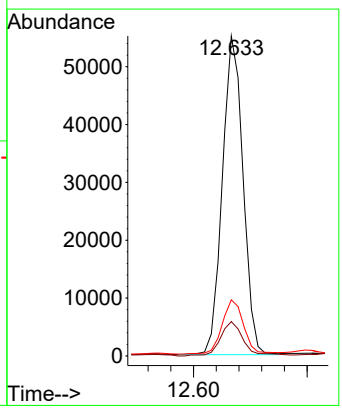


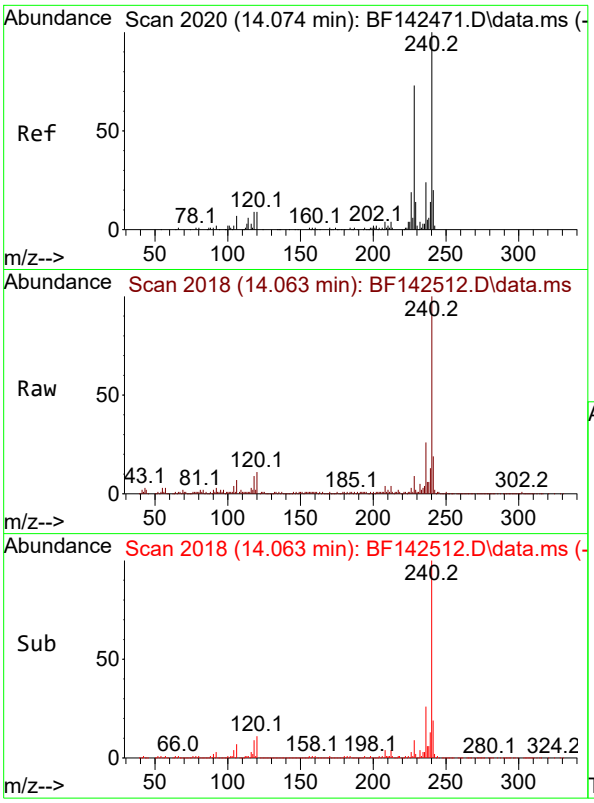


#75
Fluoranthene
Concen: 5.253 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion:202 Resp: 69727

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	29.6
203	17.6	0.0	37.2



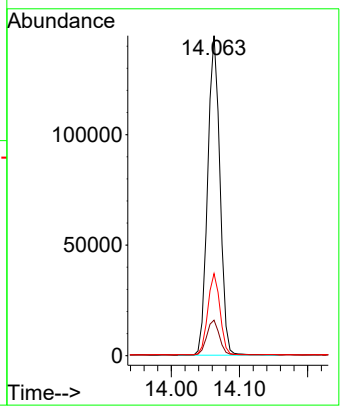


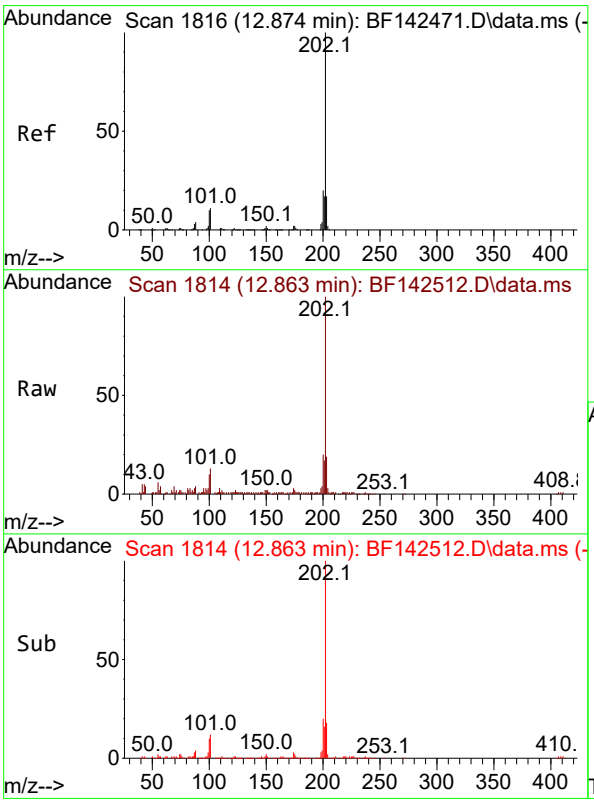
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Instrument :
BNA_F
ClientSampleId :
TP-B

Tgt Ion:240 Resp: 181001

Ion	Ratio	Lower	Upper
240	100		
120	11.1	7.5	11.3
236	25.7	19.6	29.4

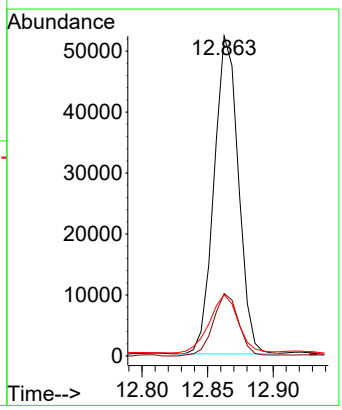


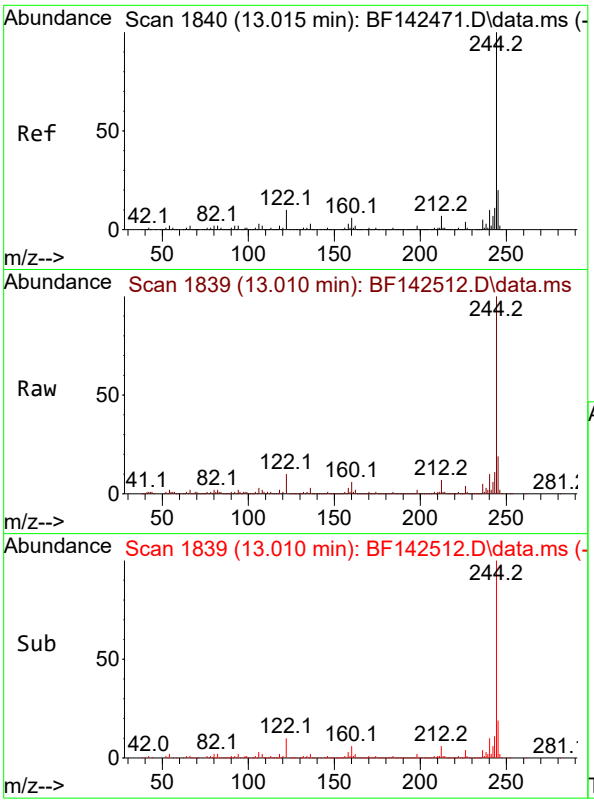


#78
Pyrene
Concen: 3.982 ng
RT: 12.863 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion:202 Resp: 67228

Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.1	24.1
203	19.1	13.9	20.9



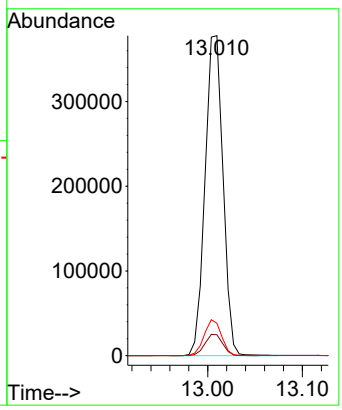


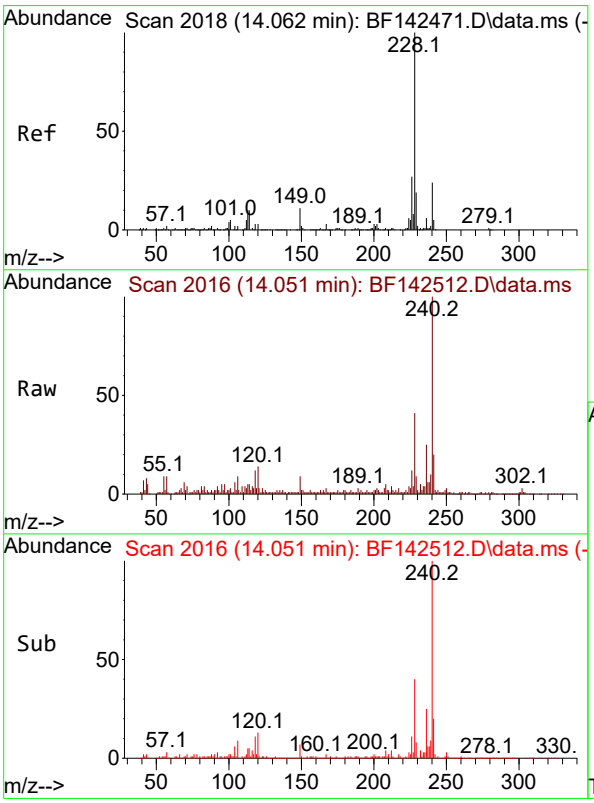
#79
Terphenyl-d14
Concen: 37.540 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Instrument :
BNA_F
ClientSampleId :
TP-B

Tgt Ion:244 Resp: 497217

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	10.1	8.2	12.2

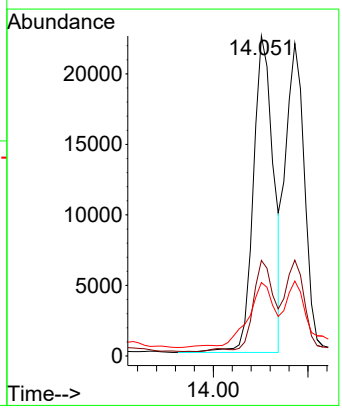


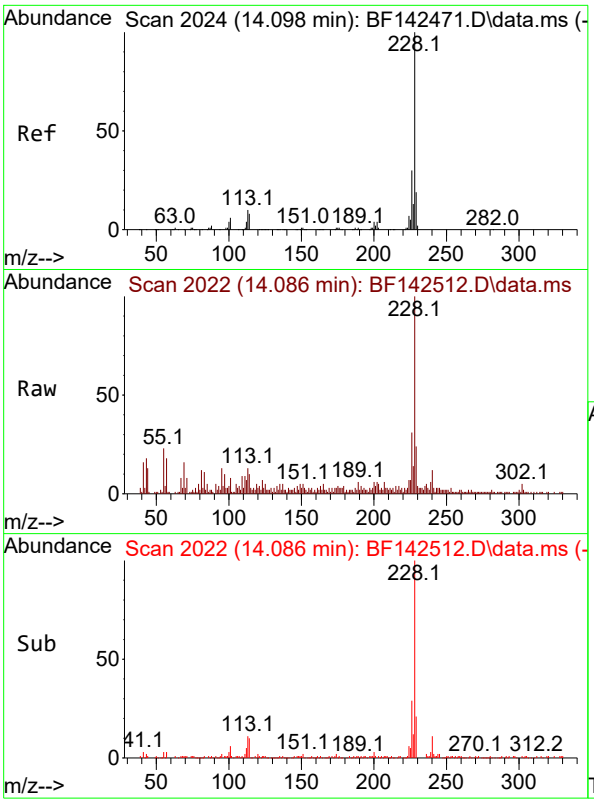


#81
Benzo(a)anthracene
Concen: 2.734 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion:228 Resp: 33045

Ion	Ratio	Lower	Upper
228	100		
226	29.9	21.2	31.8
229	23.0	15.5	23.3



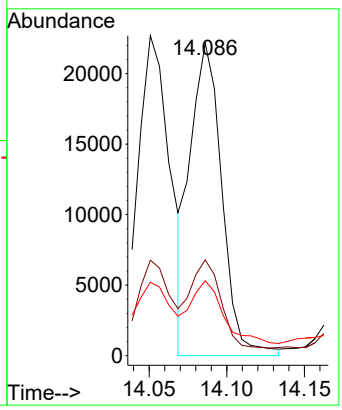


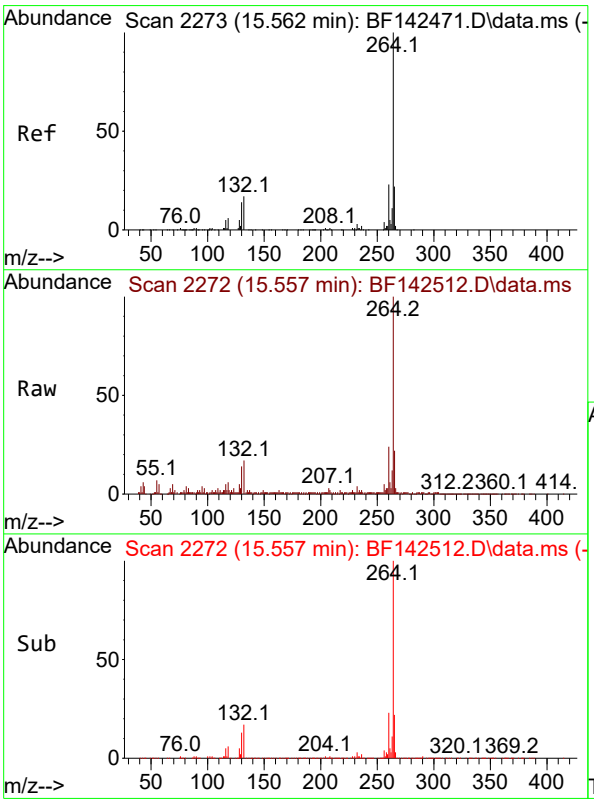
#83
Chrysene
Concen: 2.900 ng m
RT: 14.086 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Instrument :
BNA_F
ClientSampleId :
TP-B

Tgt Ion:228 Resp: 31495

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.8	35.6
229	24.0	15.4	23.2#

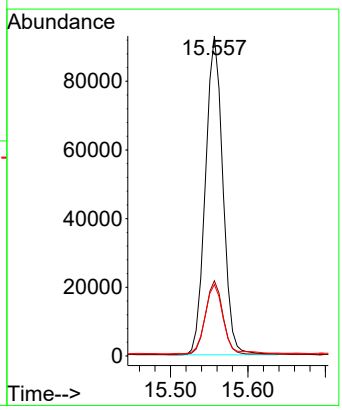


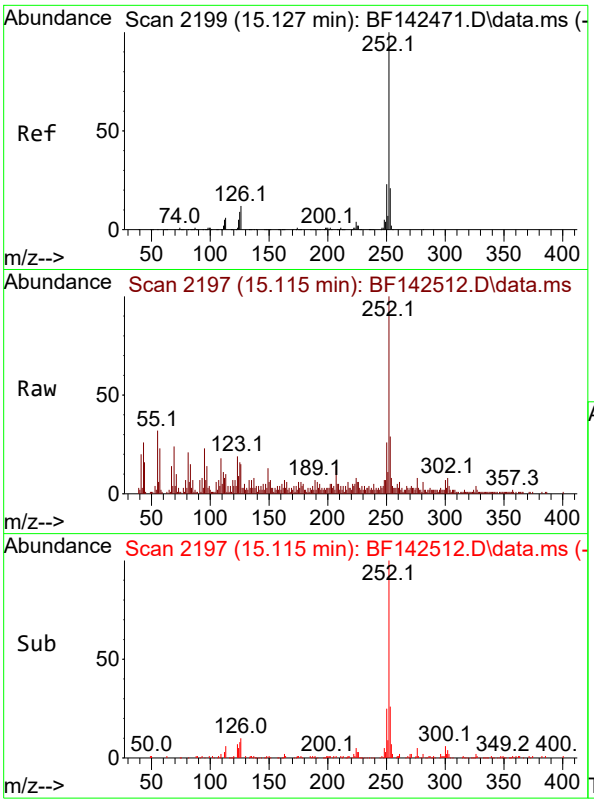


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion:264 Resp: 145750

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	22.3	17.7	26.5



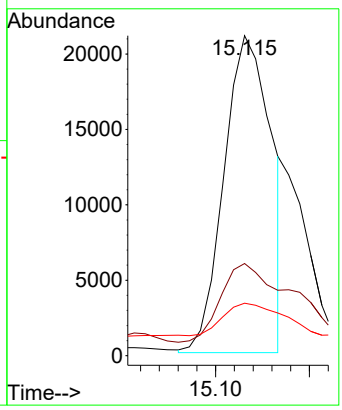


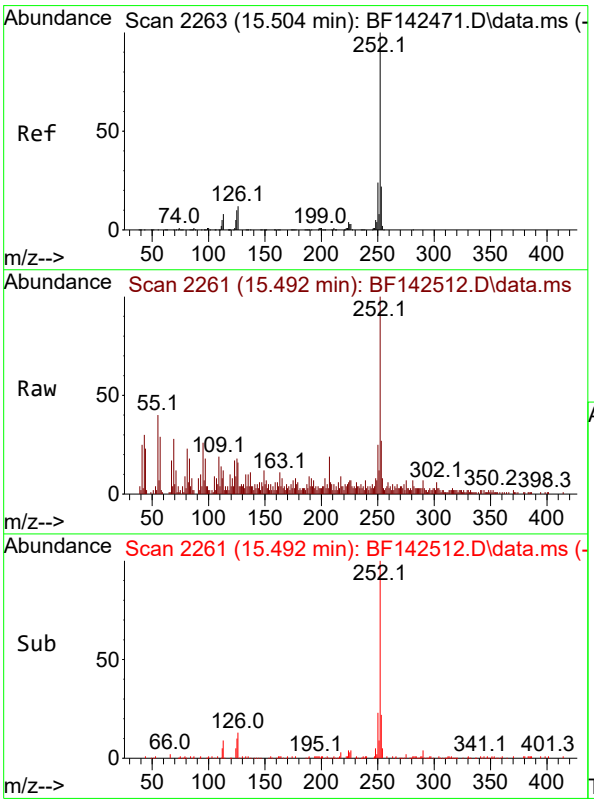
#88
Benzo(b)fluoranthene
Concen: 4.282 ng m
RT: 15.115 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Instrument :
BNA_F
ClientSampleId :
TP-B

Tgt Ion:252 Resp: 36936

Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.0	25.4#
125	16.4	7.4	11.0#





#90
Benzo(a)pyrene
Concen: 3.021 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.018 min
Lab File: BF142512.D
Acq: 22 May 2025 16:04

Tgt Ion:252 Resp: 24565

Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.4	26.0#
125	18.2	7.9	11.9#