Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
Data File : BF142460.D
Acq On : 19 May 2025 19:25
Operator : RC/JU
Sample : Q2062-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L1-WC-6

Quant Time: May 20 05:15:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	95962	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	355984	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	153814	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	175322	20.000	ng	# 0.02
76) Chrysene-d12	14.116	240	150947	20.000	ng	# 0.05
86) Perylene-d12	15.592	264	123293	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	345356	61.436	ng	0.00
7) Phenol-d6	6.522	99	450858	65.210	ng	0.00
23) Nitrobenzene-d5	7.457	82	266915	45.728	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	117414	79.064	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	568243	52.677	ng	0.00
79) Terphenyl-d14	13.063	244	389411	38.184	ng	0.05
Target Compounds						Qvalue
71) Phenanthrene	11.475	178	25395	2.763	ng	# 1
75) Fluoranthene	12.698	202	38637m	4.206	ng	
78) Pyrene	12.922	202	48958	3.644	ng	# 35
81) Benzo(a)anthracene	14.104	228	24749	2.532	ng	# 40
83) Chrysene	14.133	228	28826	3.168	ng	# 48
88) Benzo(b)fluoranthene	15.151	252	31797m	4.258	ng	
90) Benzo(a)pyrene	15.527	252	18910	2.826	ng	# 1

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
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Misc :
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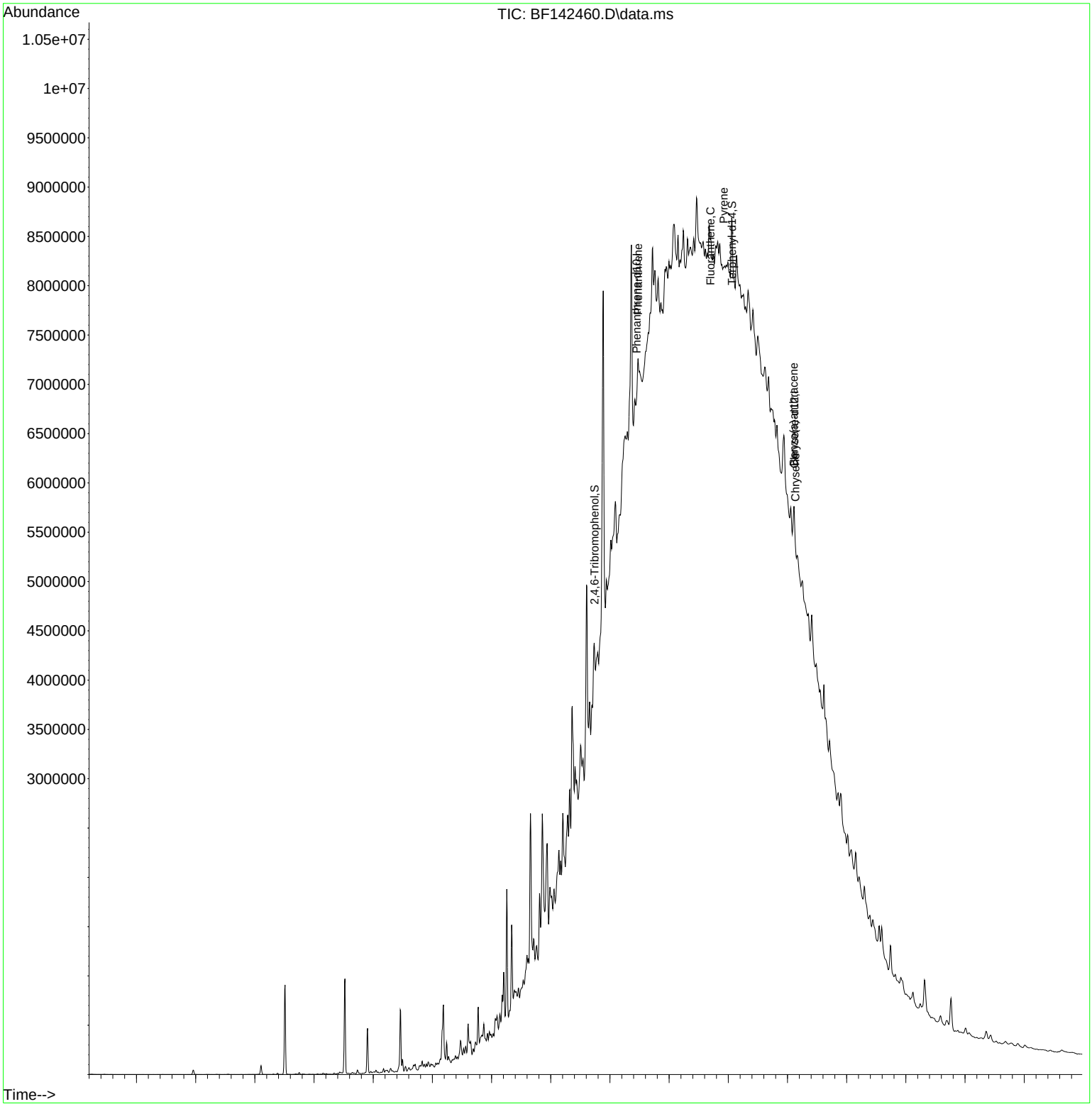
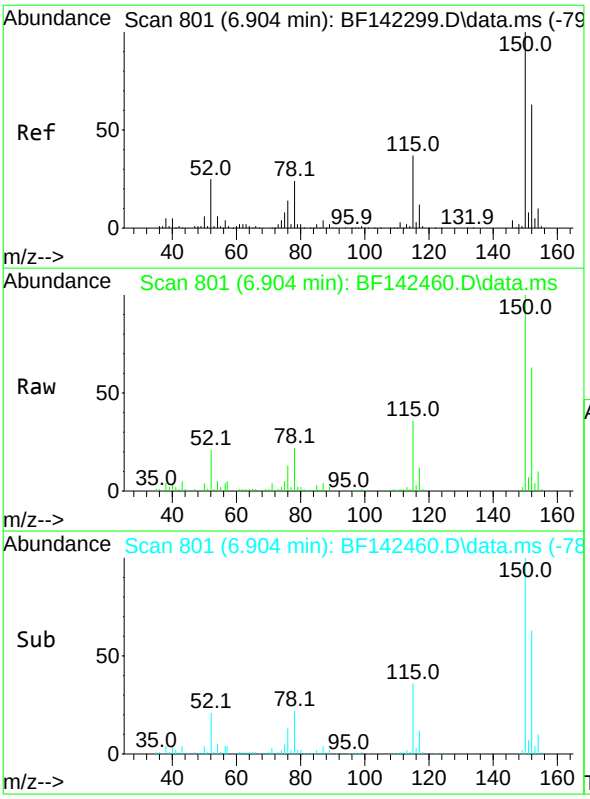


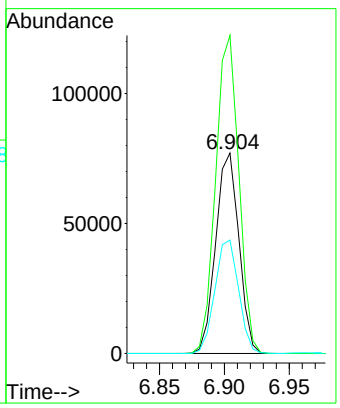


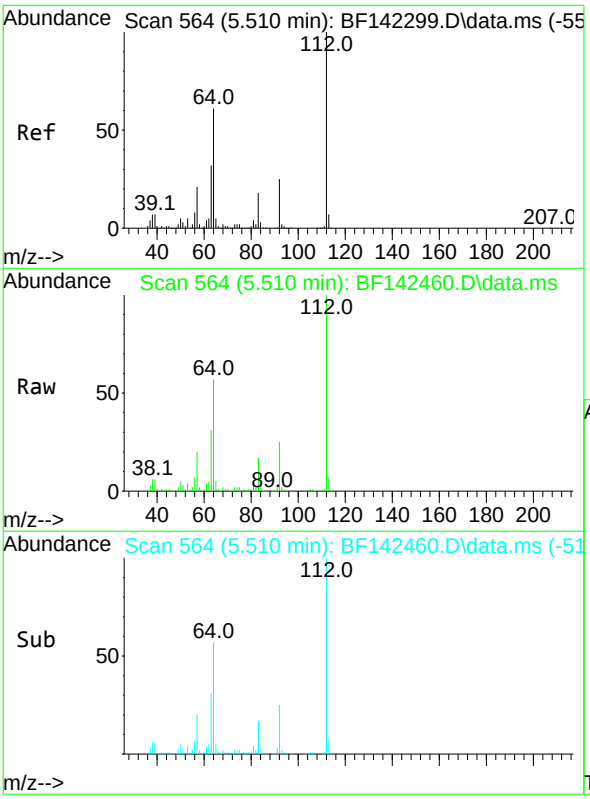
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :
L1-WC-6

Tgt Ion:152 Resp: 95962

Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.6	190.0
115	56.6	47.3	70.9

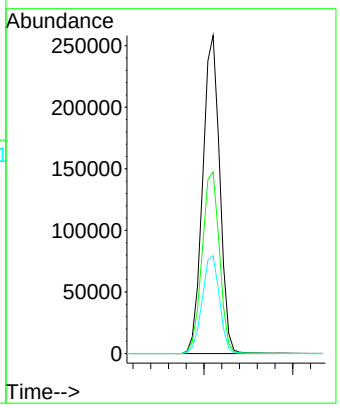


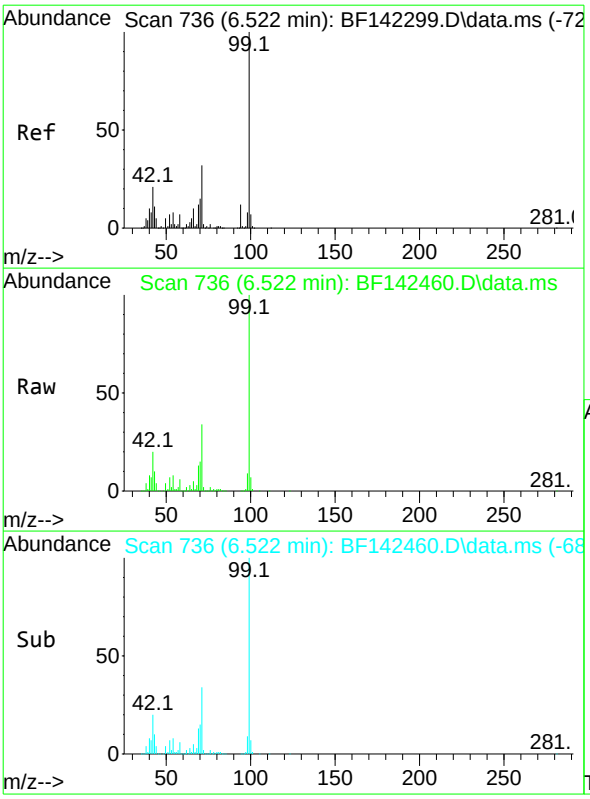


#5
2-Fluorophenol
Concen: 61.436 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Tgt Ion:112 Resp: 345356

Ion	Ratio	Lower	Upper
112	100		
64	57.1	48.9	73.3
63	30.8	25.6	38.4



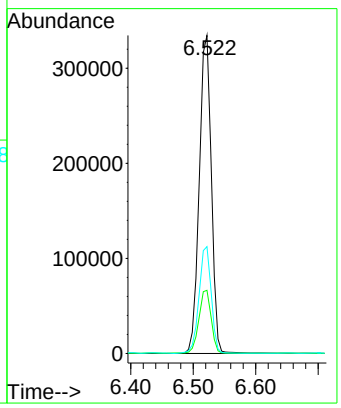


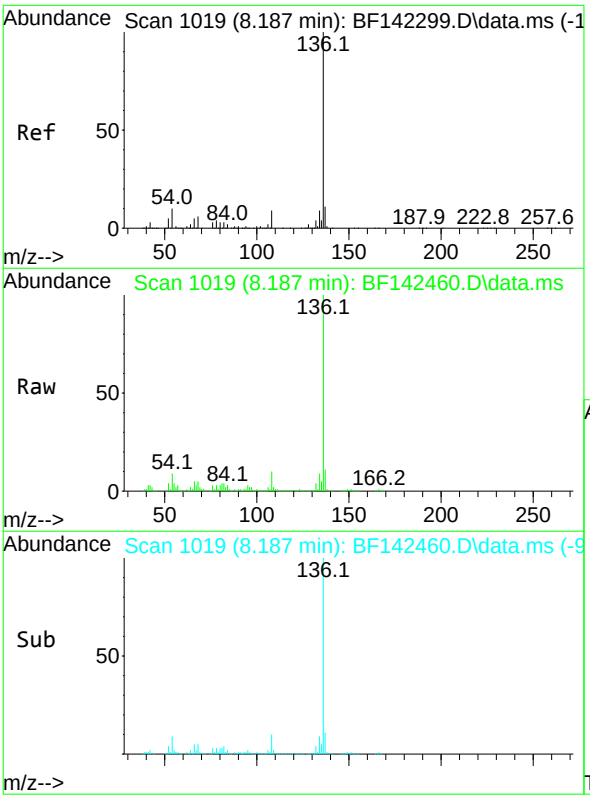
#7
Phenol-d6
Concen: 65.210 ng
RT: 6.522 min Scan# 73
Delta R.T. 0.000 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :
L1-WC-6

Tgt Ion: 99 Resp: 450858

Ion	Ratio	Lower	Upper
99	100		
42	19.9	17.0	25.4
71	33.6	25.8	38.8

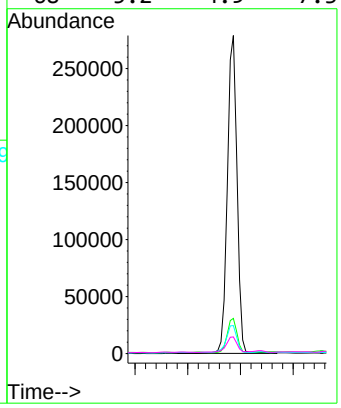


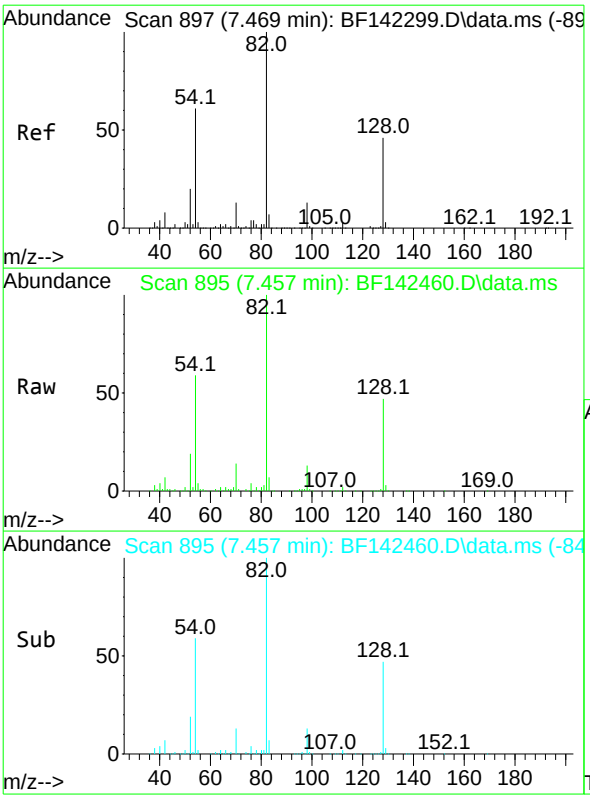


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Tgt Ion:136 Resp: 355984

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	7.7	11.5
68	5.2	4.9	7.3



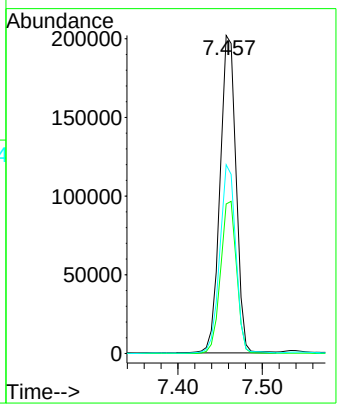


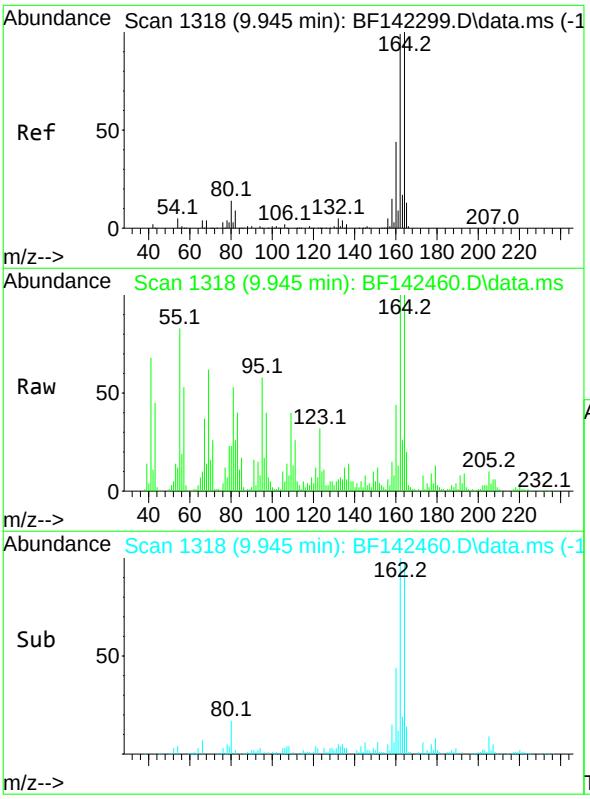
#23
Nitrobenzene-d5
Concen: 45.728 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :
L1-WC-6

Tgt Ion: 82 Resp: 266915

Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.0	55.6
54	59.3	48.6	73.0

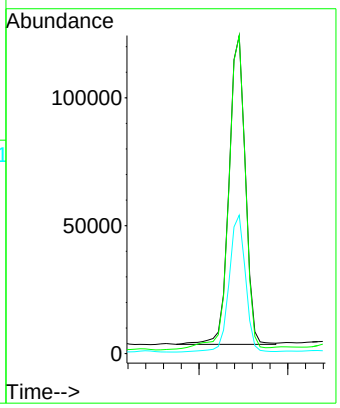


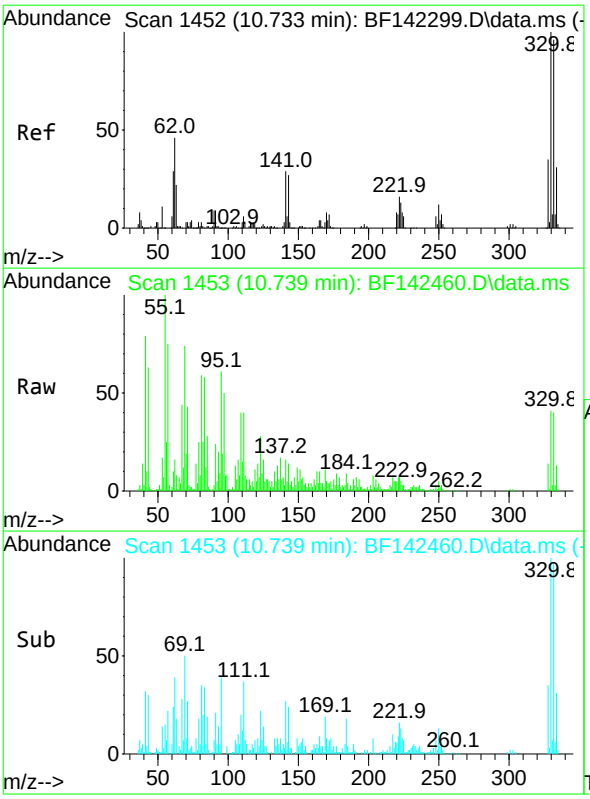


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Tgt Ion:164 Resp: 153814

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.2	118.8
160	43.6	35.3	52.9



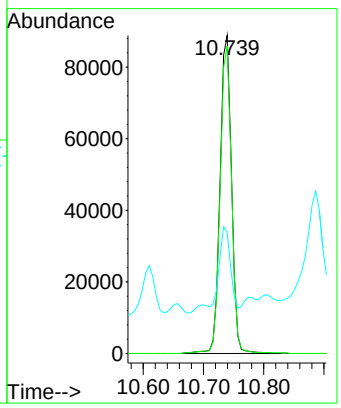


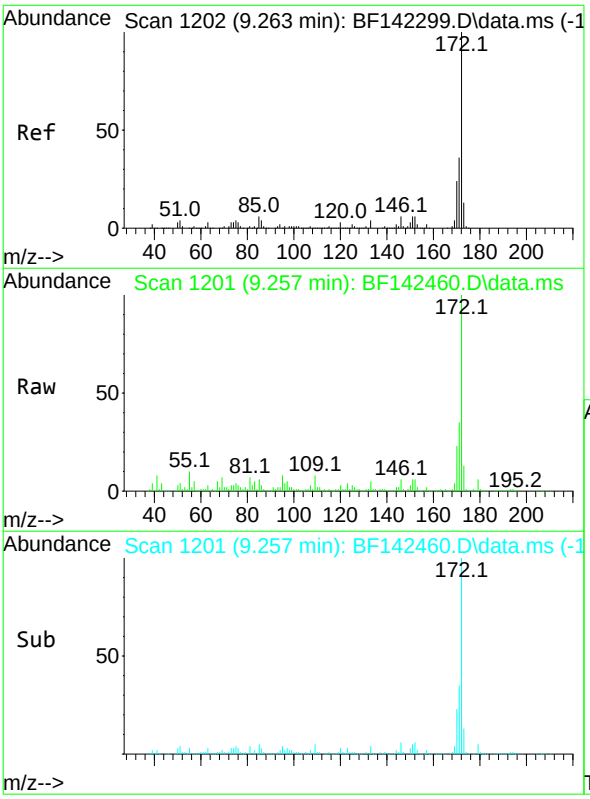
#42
2,4,6-Tribromophenol
Concen: 79.064 ng
RT: 10.739 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :
L1-WC-6

Tgt Ion:330 Resp: 117414

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.8	115.2
141	23.7	24.9	37.3#

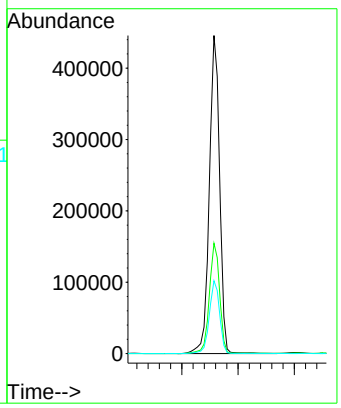


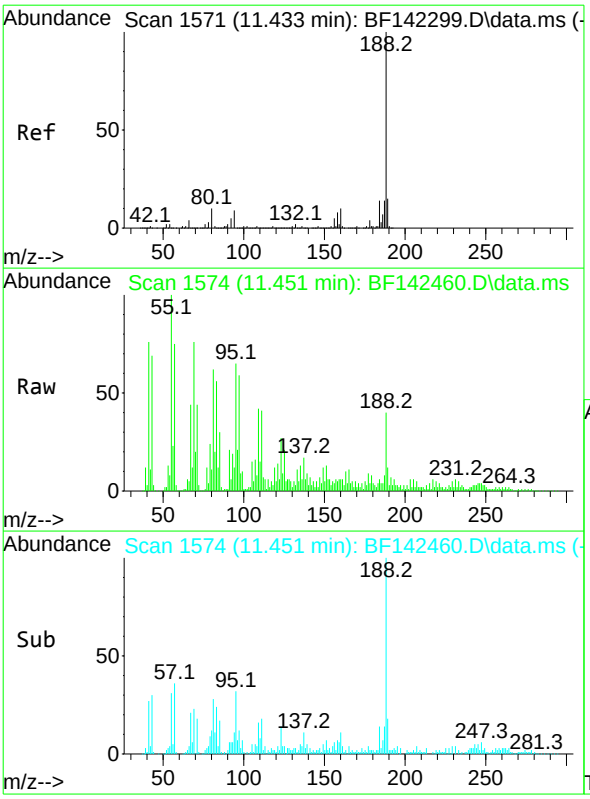


#45
2-Fluorobiphenyl
Concen: 52.677 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Tgt Ion:172 Resp: 568243

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	42.8
170	22.9	19.0	28.4



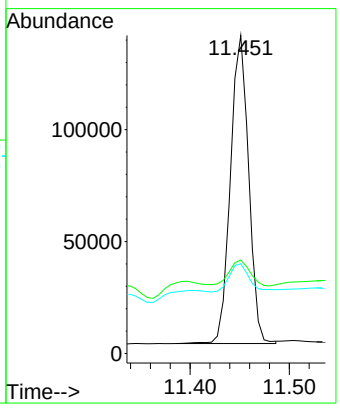


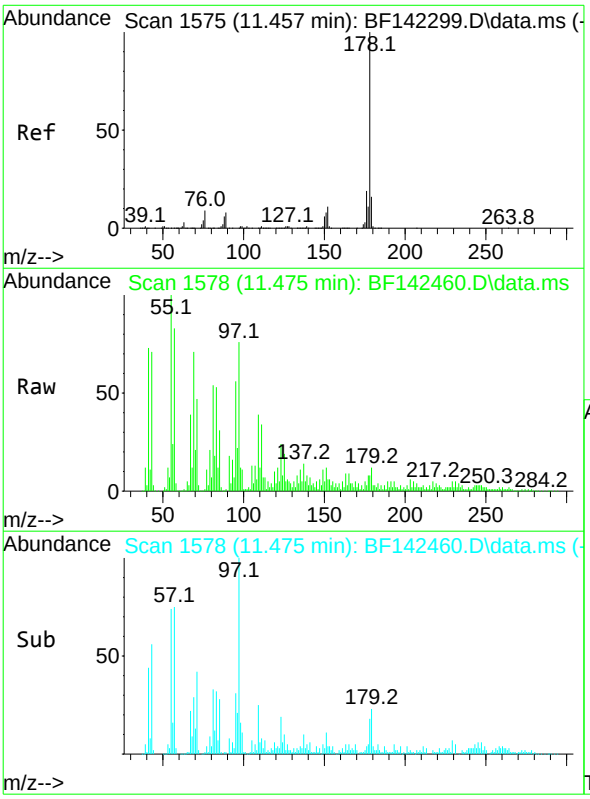
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 15
Delta R.T. 0.018 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :
L1-WC-6

Tgt Ion:188 Resp: 175322

Ion	Ratio	Lower	Upper
188	100		
94	29.4	7.5	11.3#
80	28.2	7.9	11.9#

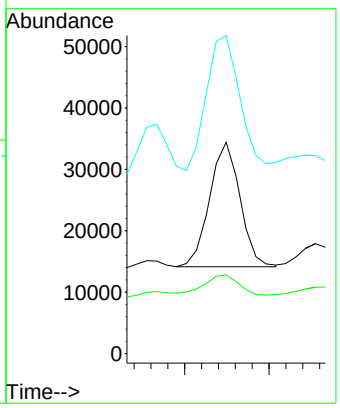


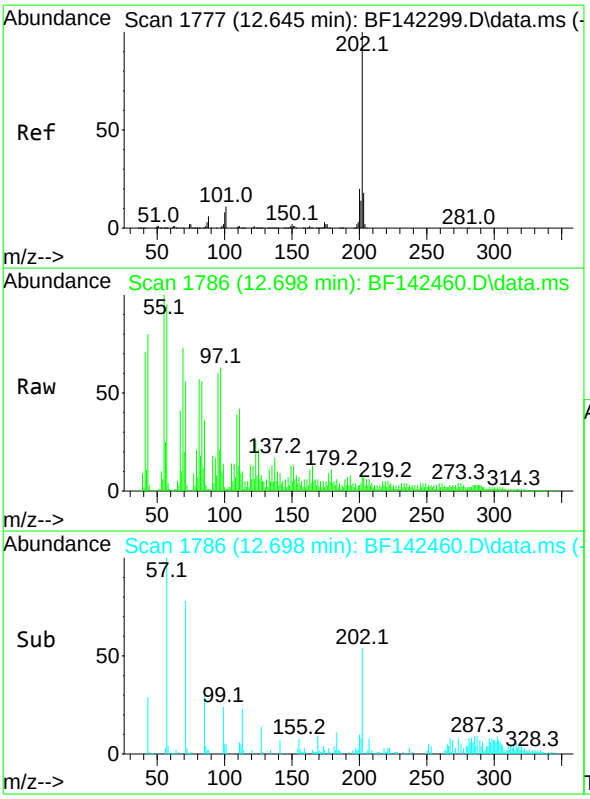


#71
Phenanthrene
Concen: 2.763 ng
RT: 11.475 min Scan# 1578
Delta R.T. 0.018 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Tgt Ion:178 Resp: 25395

Ion	Ratio	Lower	Upper
178	100		
176	37.2	15.5	23.3#
179	150.5	12.6	18.8#



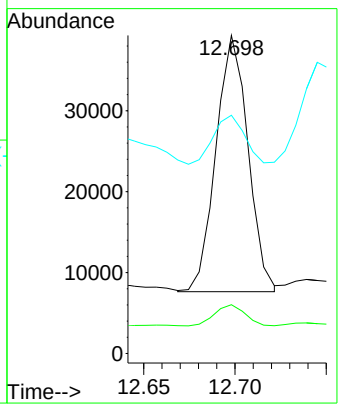


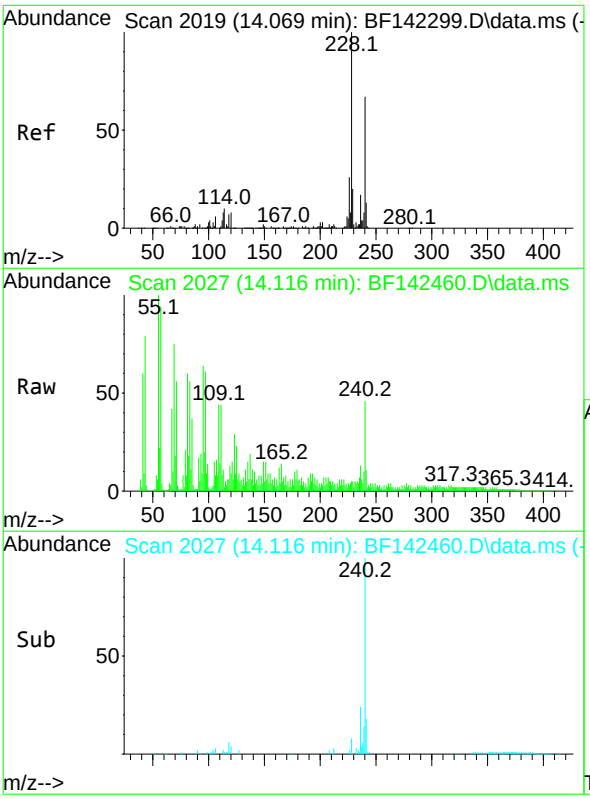
#75
Fluoranthene
Concen: 4.206 ng m
RT: 12.698 min Scan# 17
Delta R.T. 0.053 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :
L1-WC-6

Tgt Ion:202 Resp: 38637

Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	31.4
203	74.9	0.0	37.9#

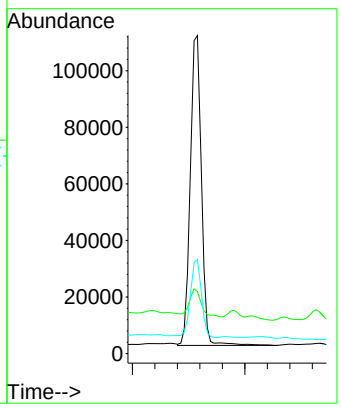


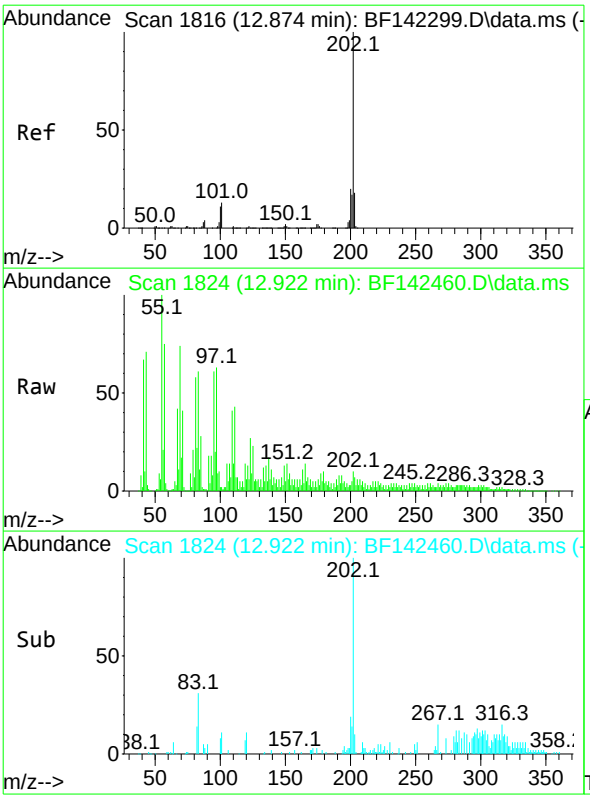


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.047 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Tgt Ion:240 Resp: 150947

Ion	Ratio	Lower	Upper
240	100		
120	19.5	9.7	14.5#
236	29.6	20.0	30.0



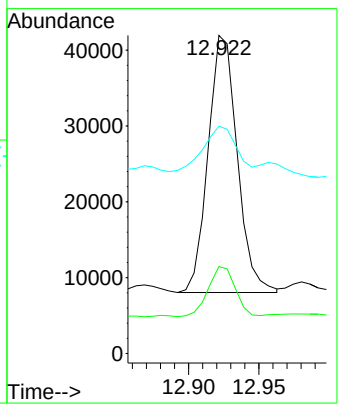


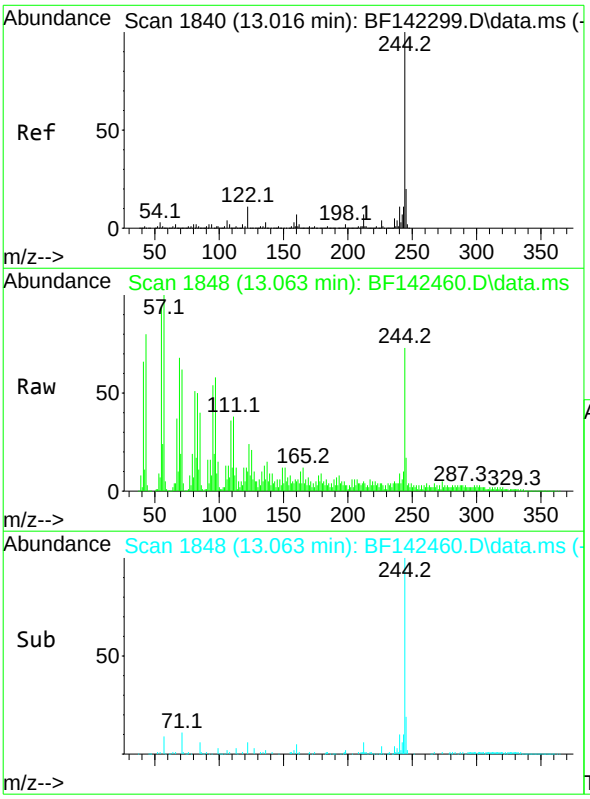
#78
Pyrene
Concen: 3.644 ng
RT: 12.922 min Scan# 18
Delta R.T. 0.047 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :
L1-WC-6

Tgt Ion:202 Resp: 48958

Ion	Ratio	Lower	Upper
202	100		
200	27.3	16.2	24.4#
203	71.4	14.3	21.5#

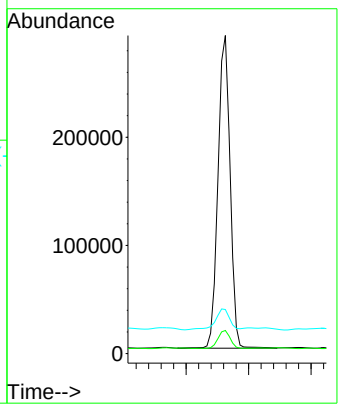


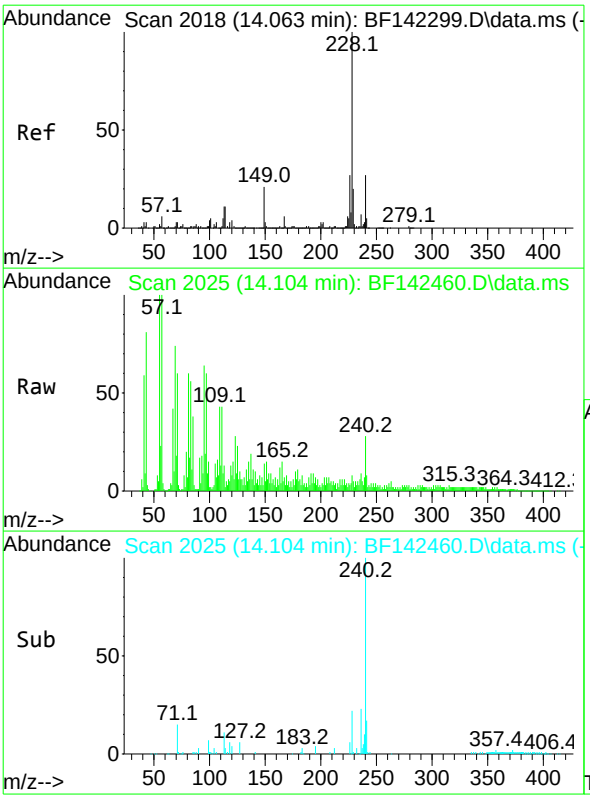


#79
Terphenyl-d14
Concen: 38.184 ng
RT: 13.063 min Scan# 1848
Delta R.T. 0.047 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Tgt Ion:244 Resp: 389411

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.2
122	13.9	9.0	13.4#



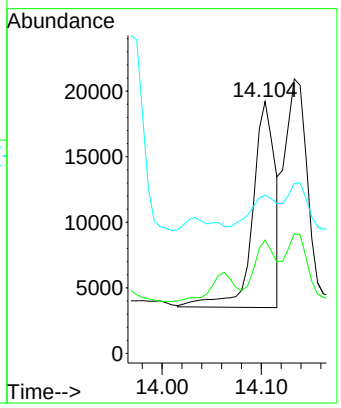


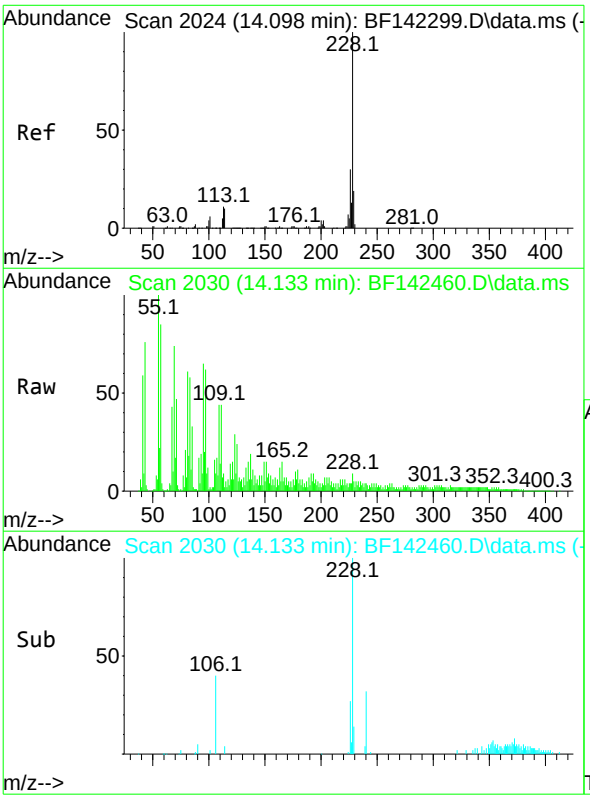
#81
Benzo(a)anthracene
Concen: 2.532 ng
RT: 14.104 min Scan# 20
Delta R.T. 0.041 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :
L1-WC-6

Tgt Ion:228 Resp: 24749

Ion	Ratio	Lower	Upper
228	100		
226	45.0	21.5	32.3#
229	62.8	15.9	23.9#

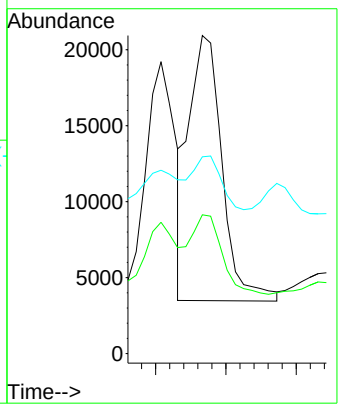


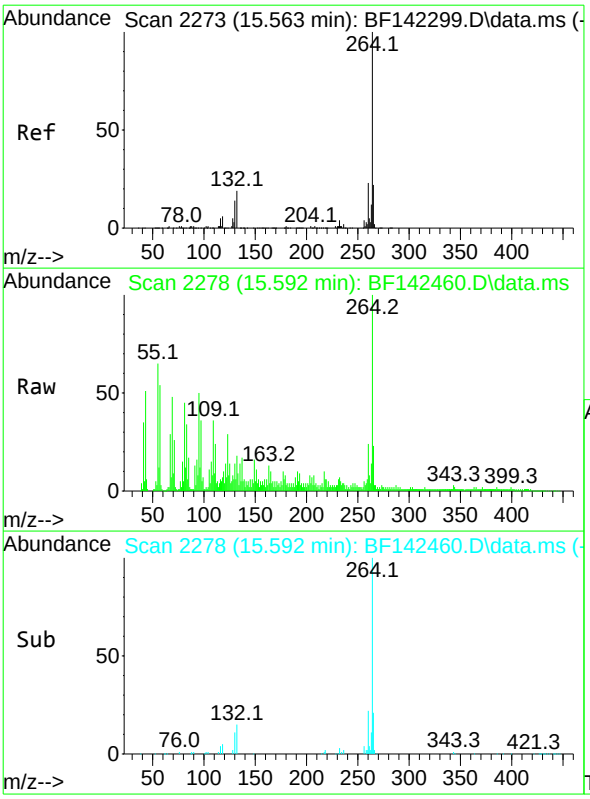


#83
Chrysene
Concen: 3.168 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.035 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Tgt Ion:228 Resp: 28826

Ion	Ratio	Lower	Upper
228	100		
226	43.6	23.9	35.9#
229	61.9	15.4	23.2#



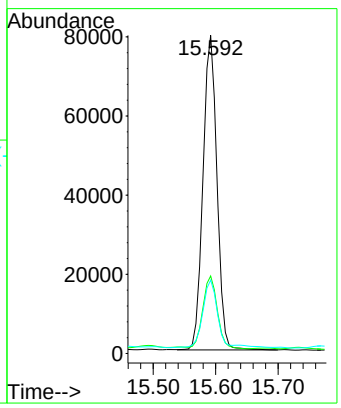


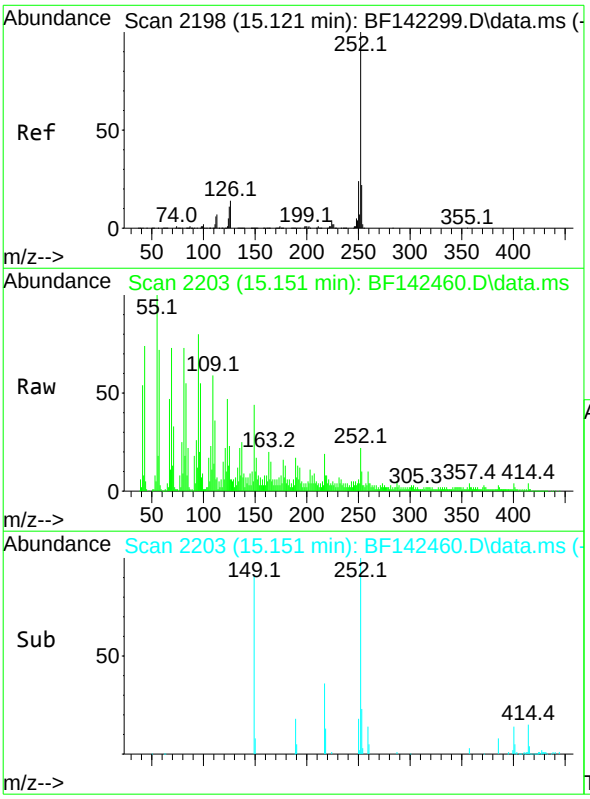
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 22
Delta R.T. 0.029 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :
L1-WC-6

Tgt Ion:264 Resp: 123293

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.6	27.8
265	23.1	17.5	26.3

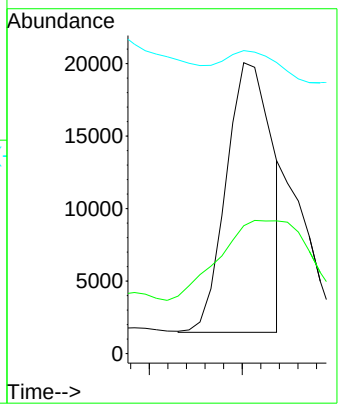


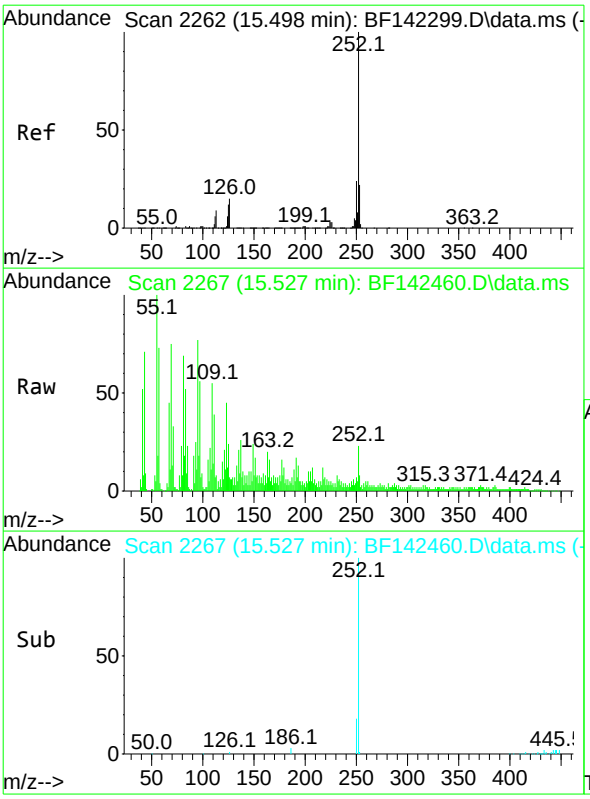


#88
Benzo(b)fluoranthene
Concen: 4.258 ng m
RT: 15.151 min Scan# 2203
Delta R.T. 0.029 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Tgt Ion:252 Resp: 31797

Ion	Ratio	Lower	Upper
252	100		
253	43.9	17.7	26.5#
125	104.1	8.7	13.1#





#90
Benzo(a)pyrene
Concen: 2.826 ng
RT: 15.527 min Scan# 22
Delta R.T. 0.029 min
Lab File: BF142460.D
Acq: 19 May 2025 19:25

Instrument :
BNA_F
ClientSampleId :
L1-WC-6

Tgt Ion:252 Resp: 18910

Ion	Ratio	Lower	Upper
252	100		
253	35.4	17.8	26.6#
125	103.9	9.4	14.0#