Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142496.D
Acq On : 21 May 2025 19:34
Operator : RC/JU
Sample : Q2075-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-910

Quant Time: May 22 01:02:15 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

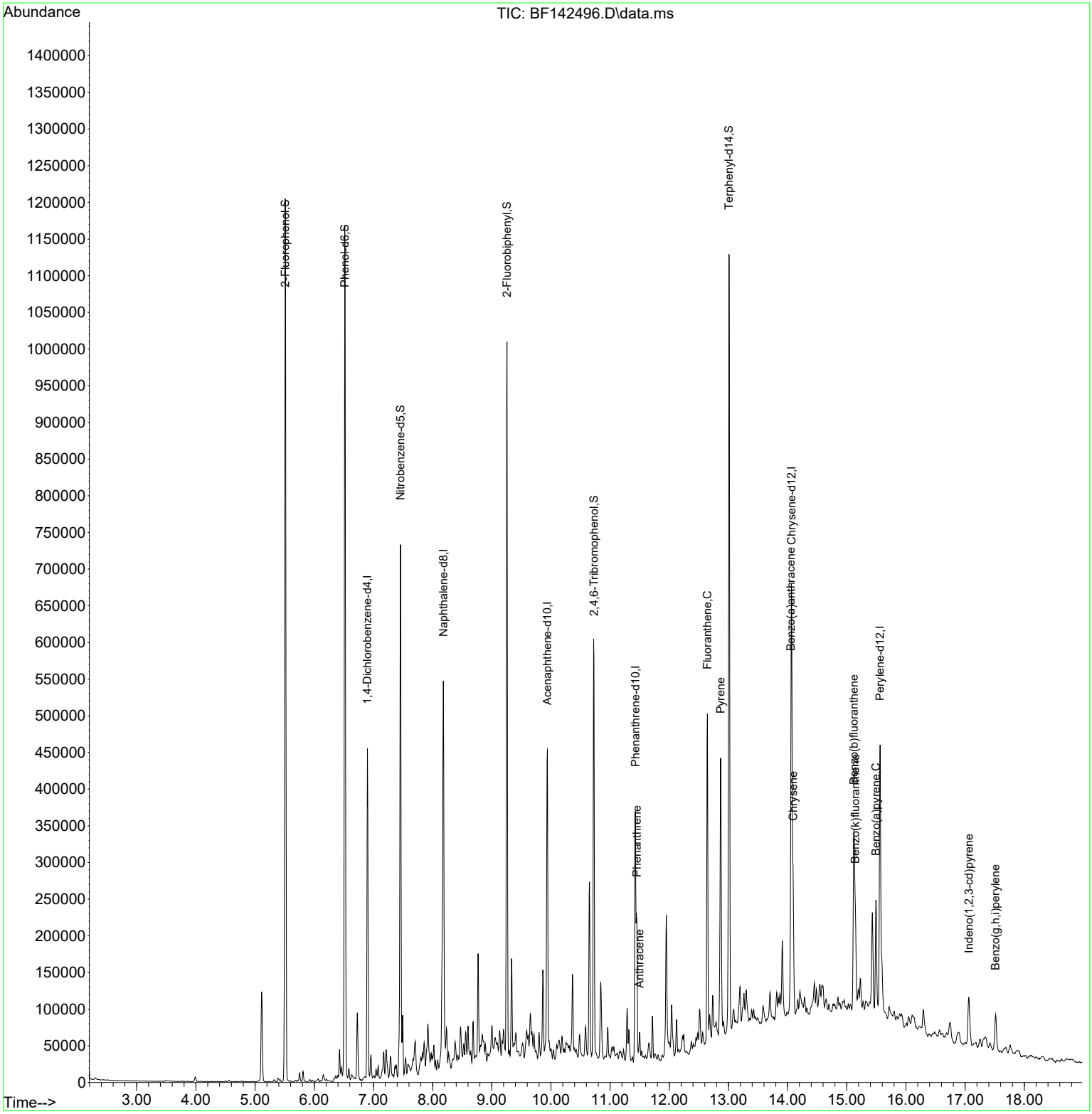
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	95024	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	312570	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	123916	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	182705	20.000	ng	0.00
76) Chrysene-d12	14.068	240	225541	20.000	ng	0.00
86) Perylene-d12	15.562	264	216170	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	454281	80.543	ng	0.00
7) Phenol-d6	6.516	99	536496	79.019	ng	-0.02
23) Nitrobenzene-d5	7.457	82	290872	50.744	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	97720	71.053	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	433683	46.963	ng	-0.01
79) Terphenyl-d14	13.010	244	505882	30.651	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.451	178	103990	10.650	ng	99
72) Anthracene	11.498	178	20432	2.050	ng	96
75) Fluoranthene	12.645	202	253411	27.775	ng	99
78) Pyrene	12.869	202	214832	10.211	ng	98
81) Benzo(a)anthracene	14.057	228	112374	7.461	ng	94
83) Chrysene	14.092	228	106376	7.861	ng	97
87) Indeno(1,2,3-cd)pyrene	17.062	276	50300	3.099	ng	95
88) Benzo(b)fluoranthene	15.121	252	186105m	14.546	ng	
89) Benzo(k)fluoranthene	15.145	252	32825m	2.739	ng	
90) Benzo(a)pyrene	15.492	252	91312	7.572	ng	95
92) Benzo(g,h,i)perylene	17.515	276	44301	3.365	ng	97

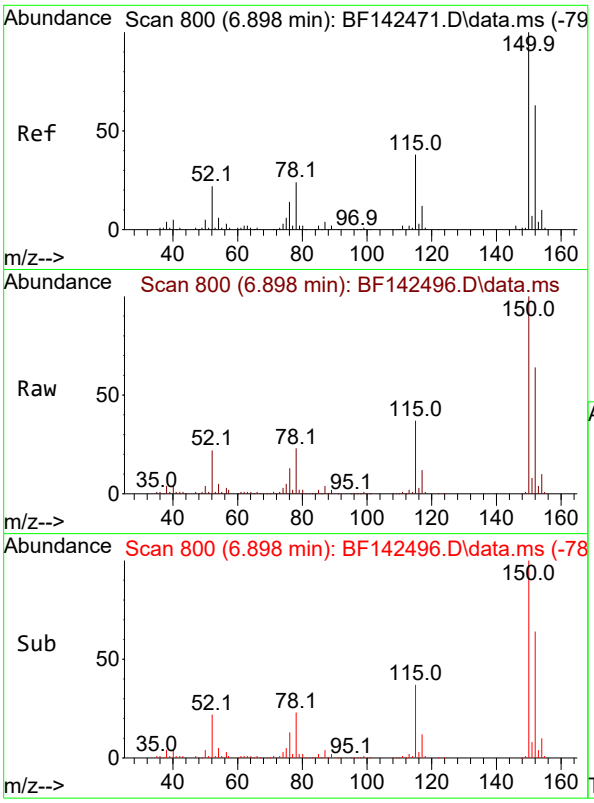
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
Data File : BF142496.D
Acq On : 21 May 2025 19:34
Operator : RC/JU
Sample : Q2075-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-910

Quant Time: May 22 01:02:15 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



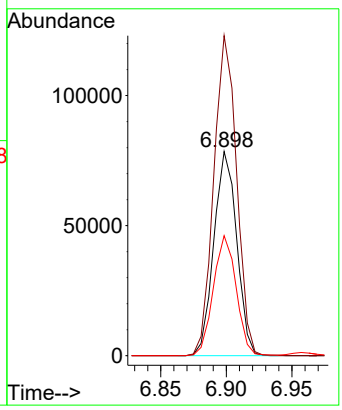


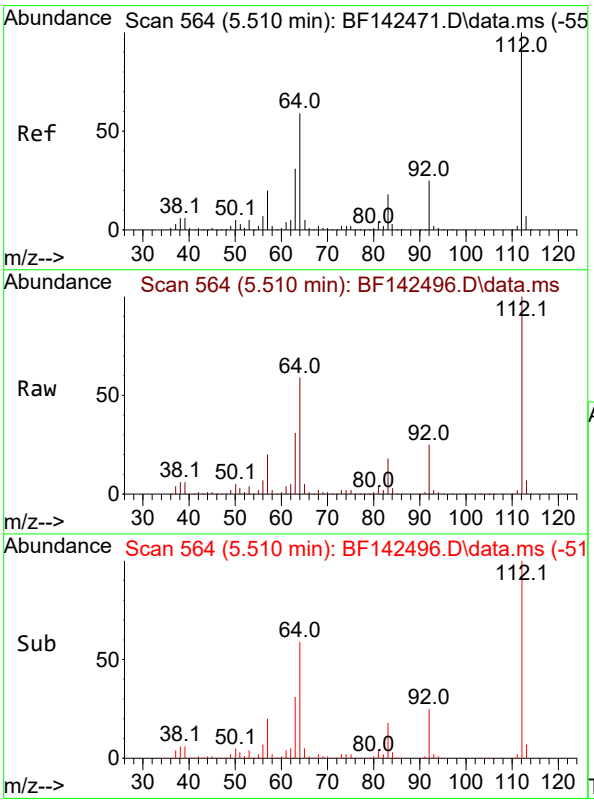
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Instrument :
BNA_F
ClientSampleId :
SS-910

Tgt Ion:152 Resp: 95024

Ion	Ratio	Lower	Upper
152	100		
150	156.7	128.2	192.4
115	58.8	48.3	72.5

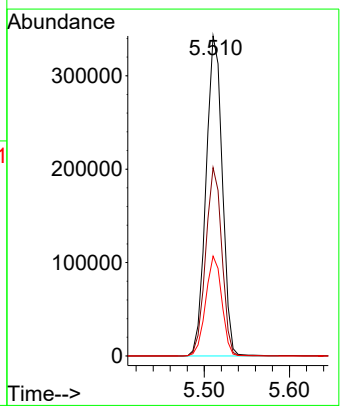


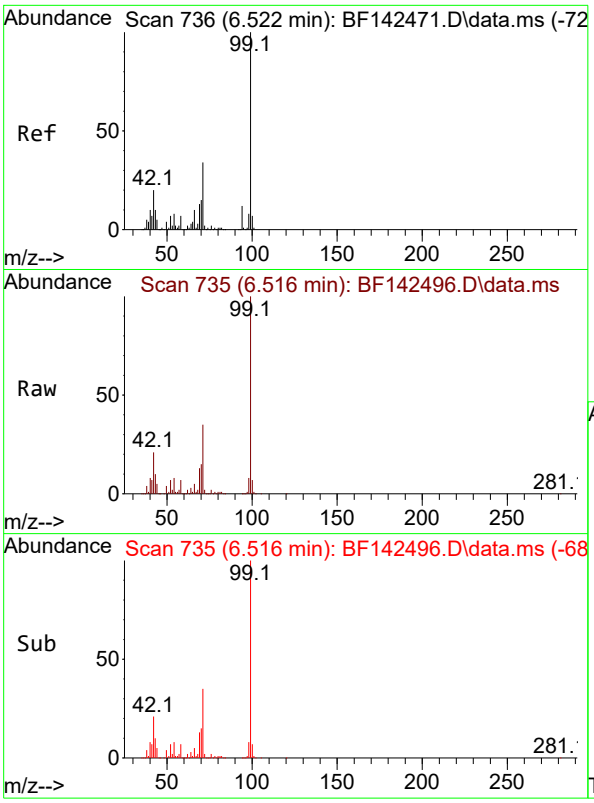


#5
2-Fluorophenol
Concen: 80.543 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:112 Resp: 454281

Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.5	71.3
63	31.2	24.9	37.3



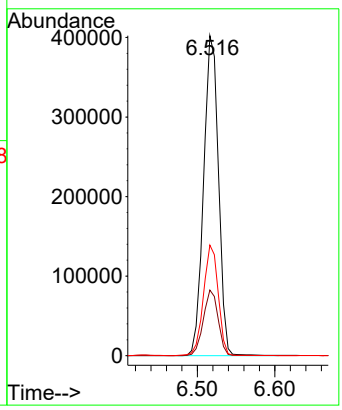


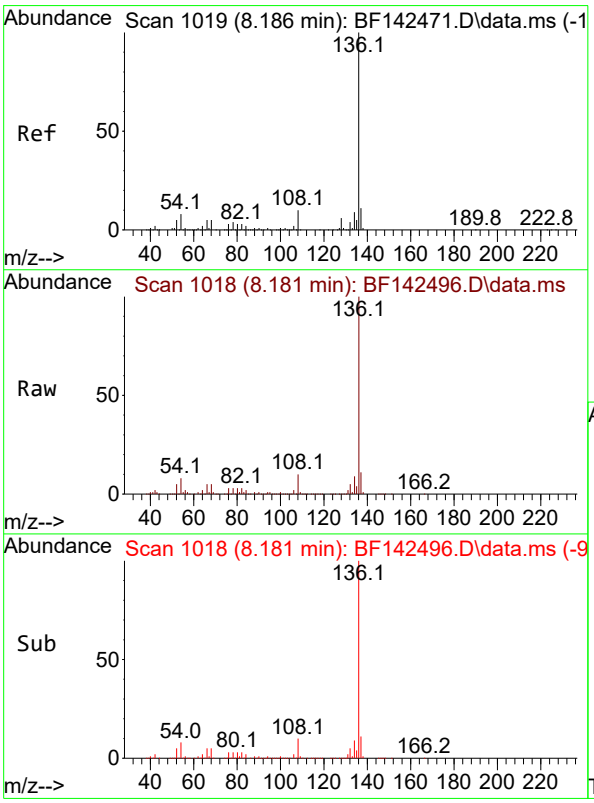
#7
Phenol-d6
Concen: 79.019 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Instrument :
BNA_F
ClientSampleId :
SS-910

Tgt Ion: 99 Resp: 536496

Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.2	24.2
71	34.6	27.3	40.9

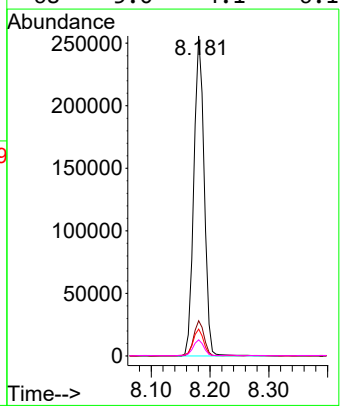


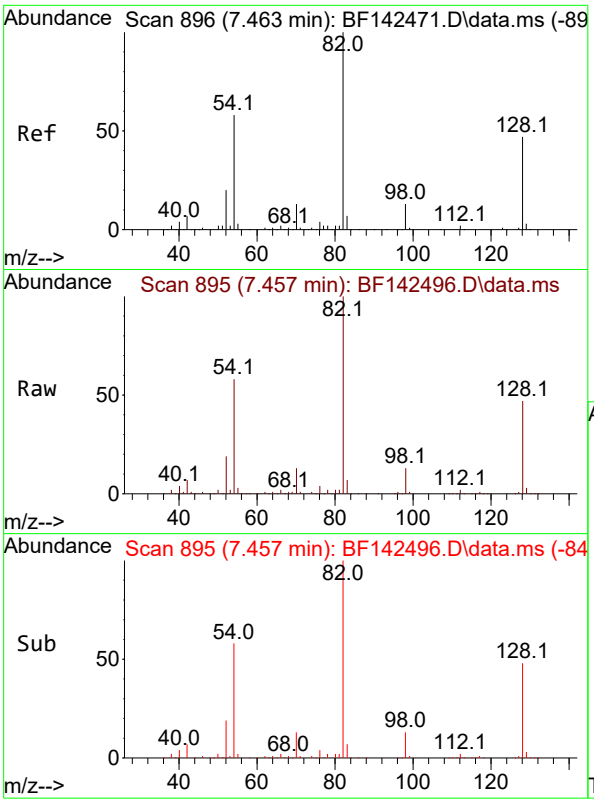


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:136 Resp: 312570

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.4	6.6	10.0
68	5.0	4.1	6.1



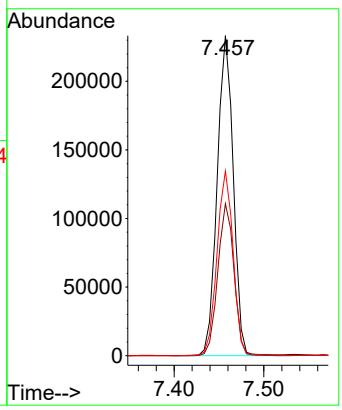


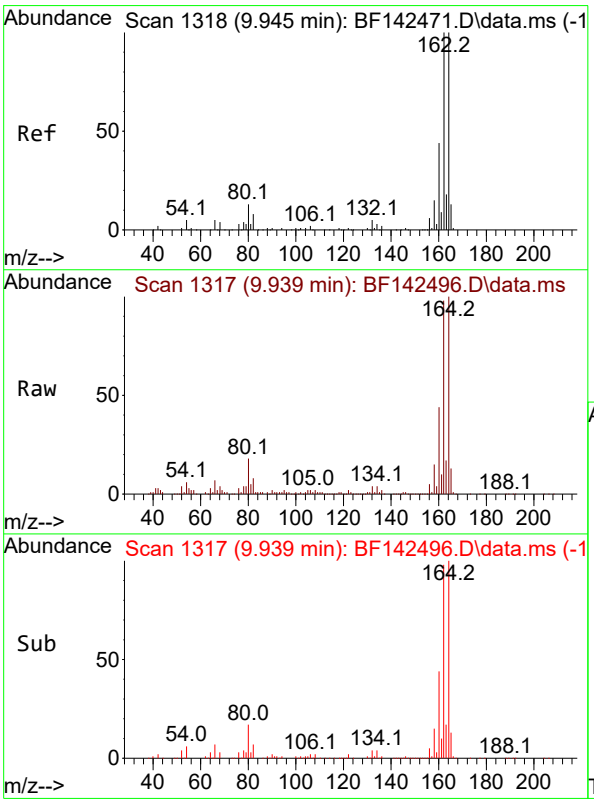
#23
Nitrobenzene-d5
Concen: 50.744 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Instrument :
BNA_F
ClientSampleId :
SS-910

Tgt Ion: 82 Resp: 290872

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.4	56.2
54	57.7	46.6	70.0

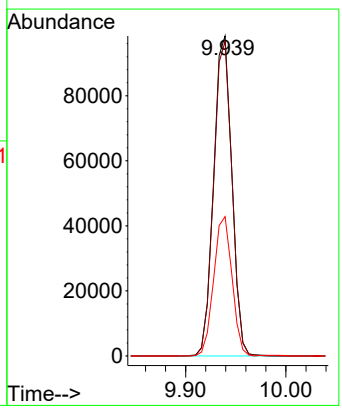


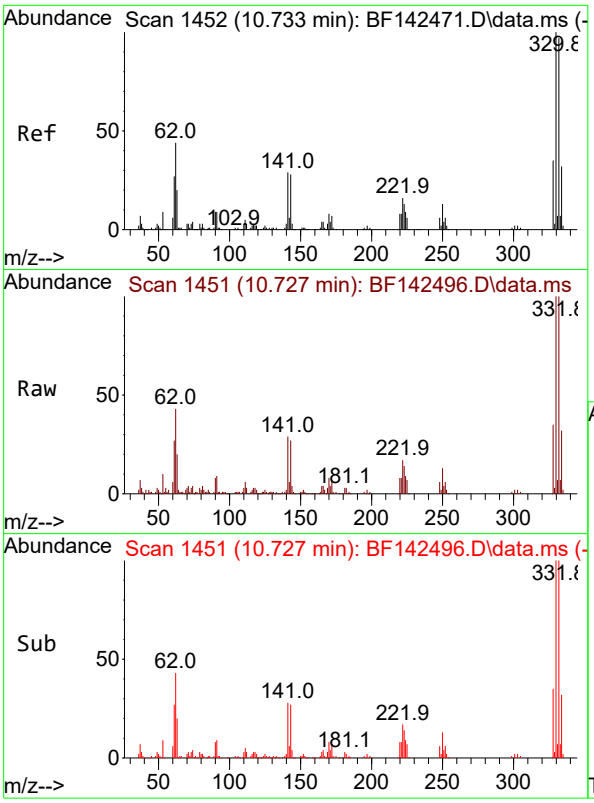


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:164 Resp: 123916

Ion	Ratio	Lower	Upper
164	100		
162	98.4	80.2	120.4
160	43.6	35.6	53.4



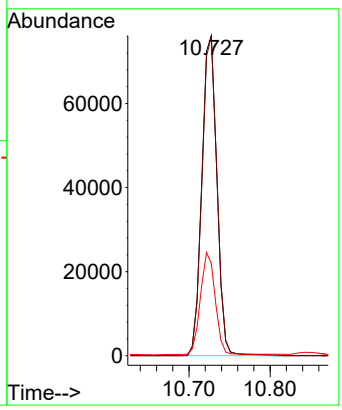


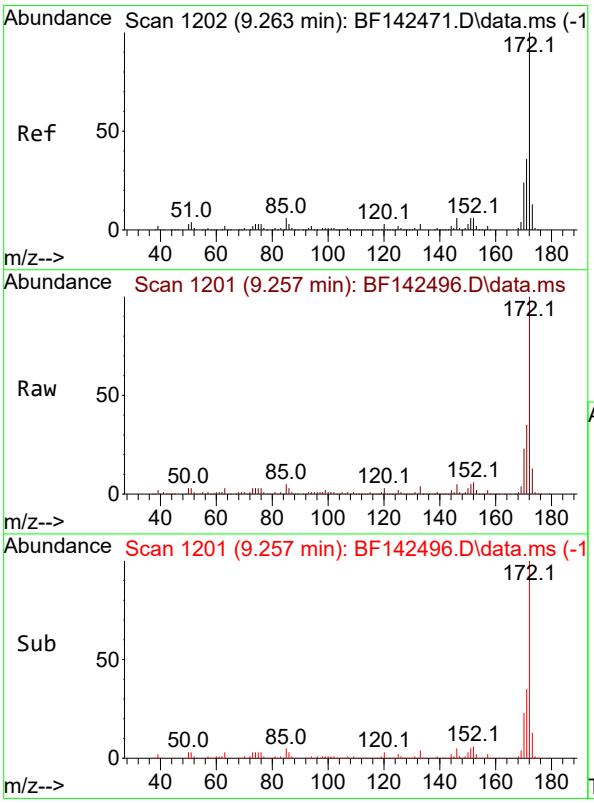
#42
2,4,6-Tribromophenol
Concen: 71.053 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Instrument :
BNA_F
ClientSampleId :
SS-910

Tgt Ion:330 Resp: 97720

Ion	Ratio	Lower	Upper
330	100		
332	99.3	77.6	116.4
141	31.9	24.6	36.8

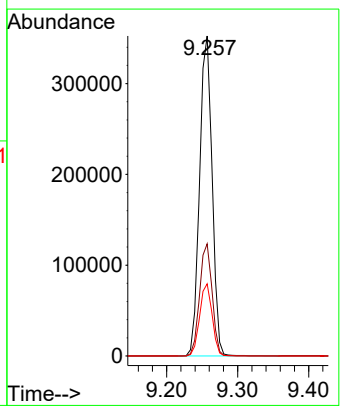


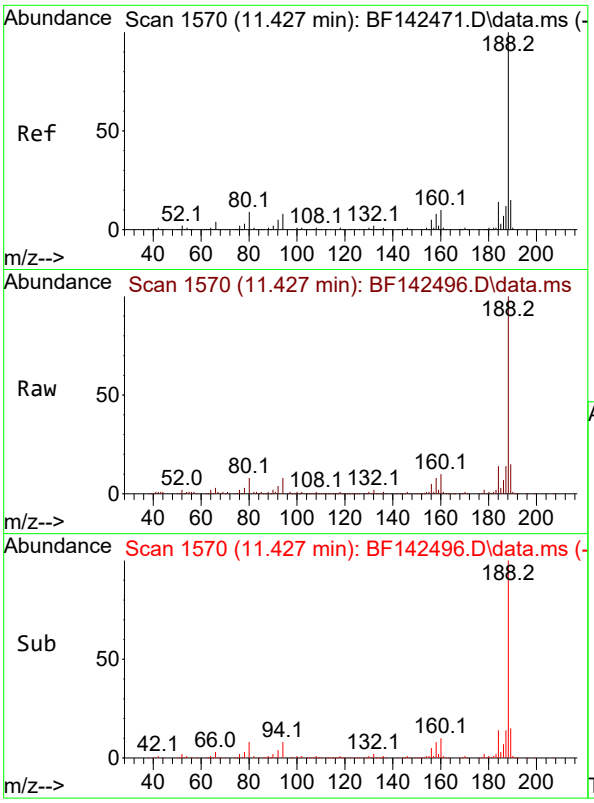


#45
2-Fluorobiphenyl
Concen: 46.963 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:172 Resp: 433683

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	42.8
170	22.5	18.9	28.3



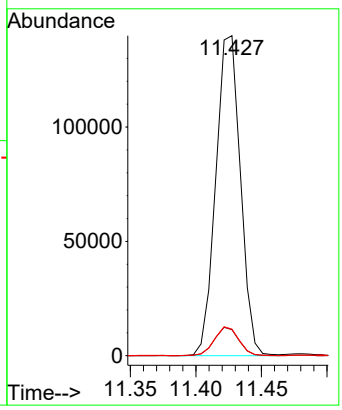


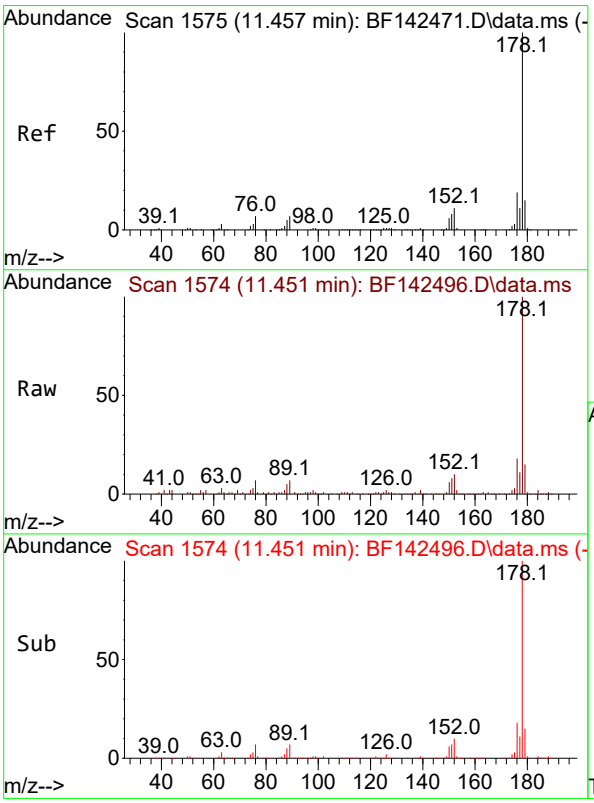
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Instrument :
BNA_F
ClientSampleId :
SS-910

Tgt Ion:188 Resp: 182705

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.6	10.0
80	8.3	7.4	11.0

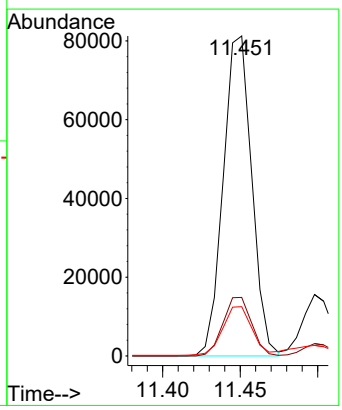


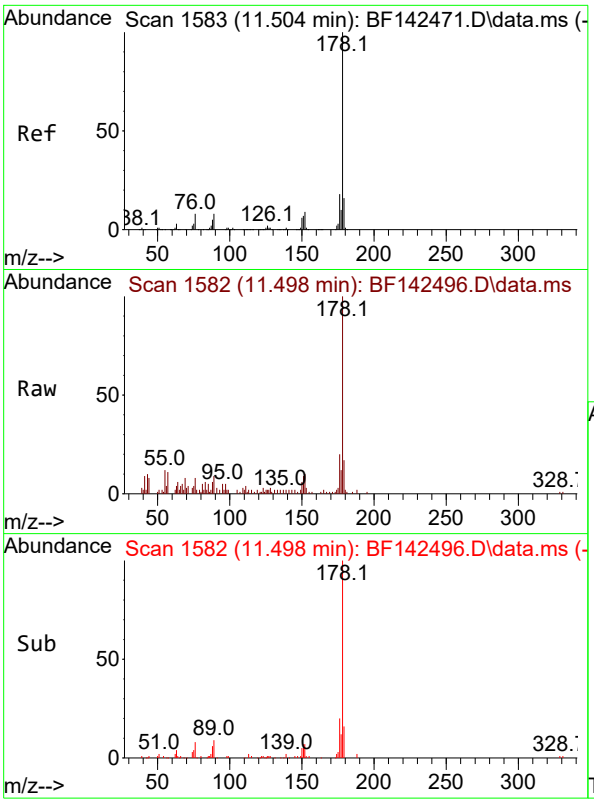


#71
Phenanthrene
Concen: 10.650 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:178 Resp: 103990

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	15.4	12.3	18.5



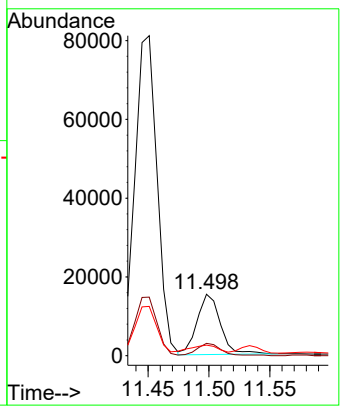


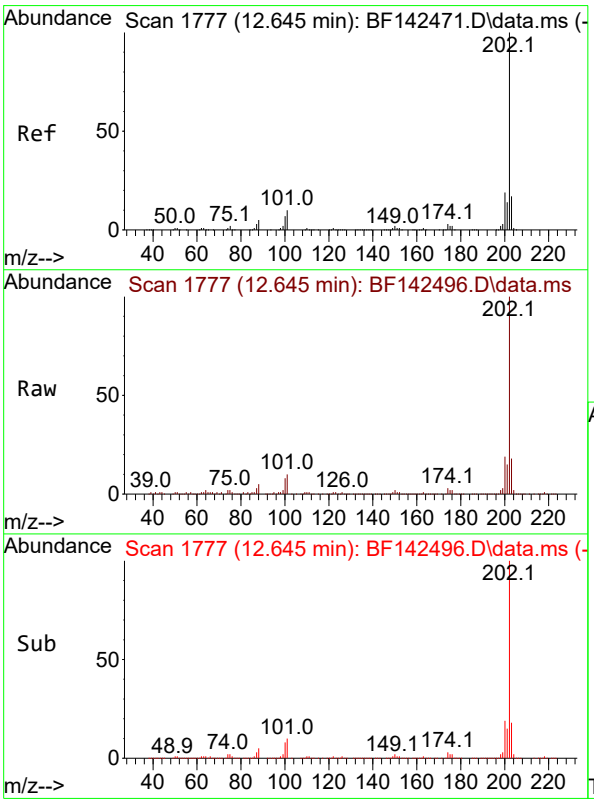
#72
Anthracene
Concen: 2.050 ng
RT: 11.498 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Instrument :
BNA_F
ClientSampleId :
SS-910

Tgt Ion:178 Resp: 20432

Ion	Ratio	Lower	Upper
178	100		
176	20.0	14.6	21.8
179	17.3	12.4	18.6

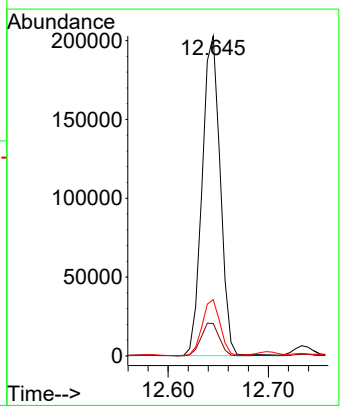


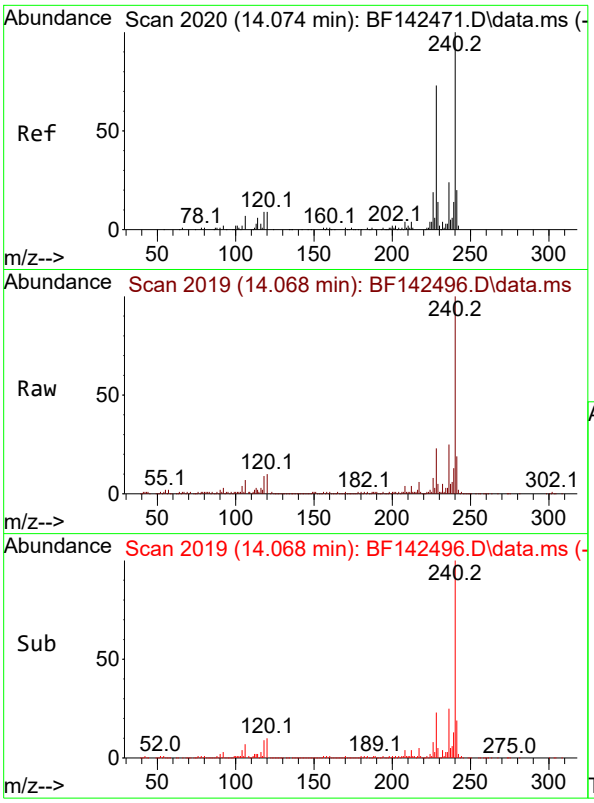


#75
Fluoranthene
Concen: 27.775 ng
RT: 12.645 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:202 Resp: 253411

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	29.6
203	17.6	0.0	37.2



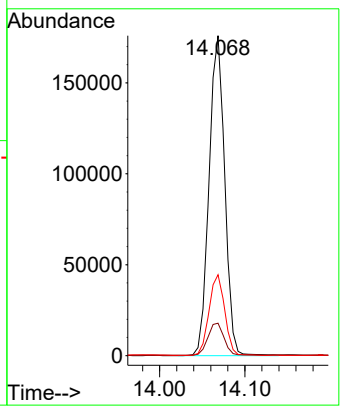


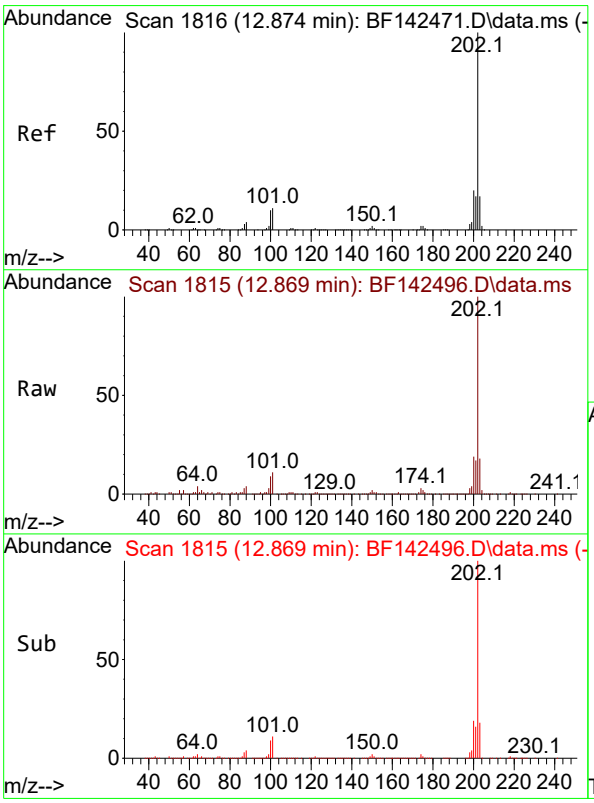
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Instrument :
BNA_F
ClientSampleId :
SS-910

Tgt Ion:240 Resp: 225541

Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.5	11.3
236	25.3	19.6	29.4

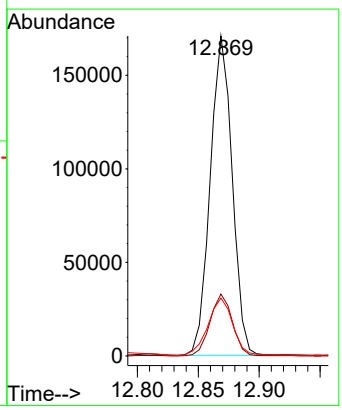


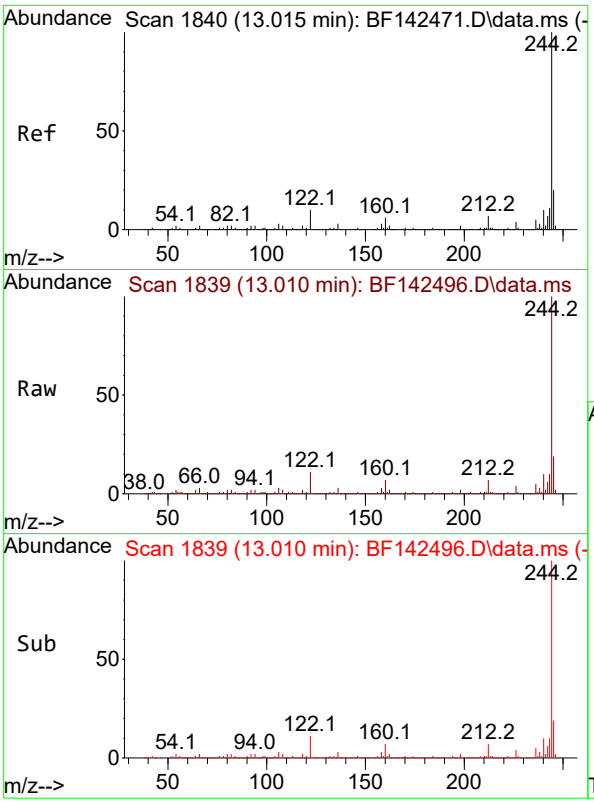


#78
Pyrene
Concen: 10.211 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:202 Resp: 214832

Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.1	24.1
203	18.1	13.9	20.9



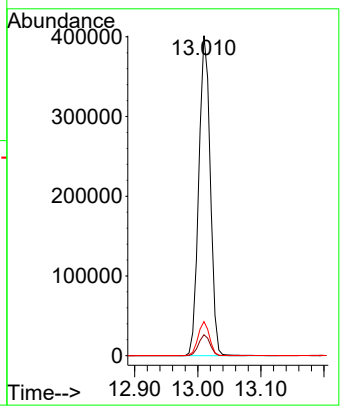


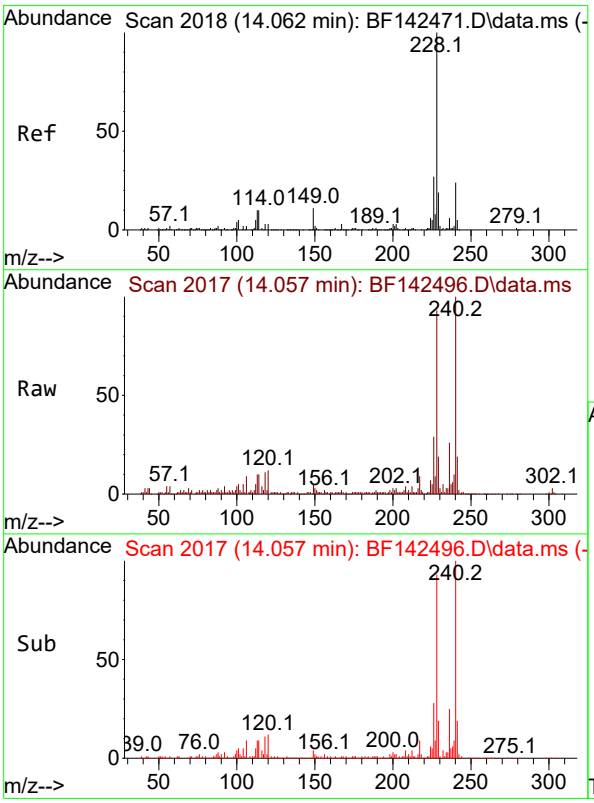
#79
Terphenyl-d14
Concen: 30.651 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Instrument :
BNA_F
ClientSampleId :
SS-910

Tgt Ion:244 Resp: 505882

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	10.6	8.2	12.2

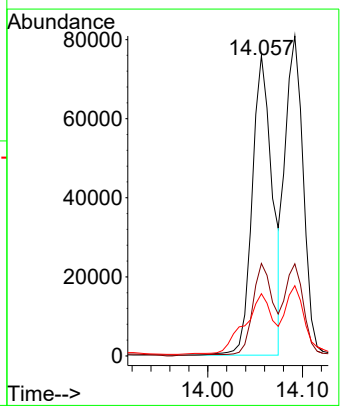


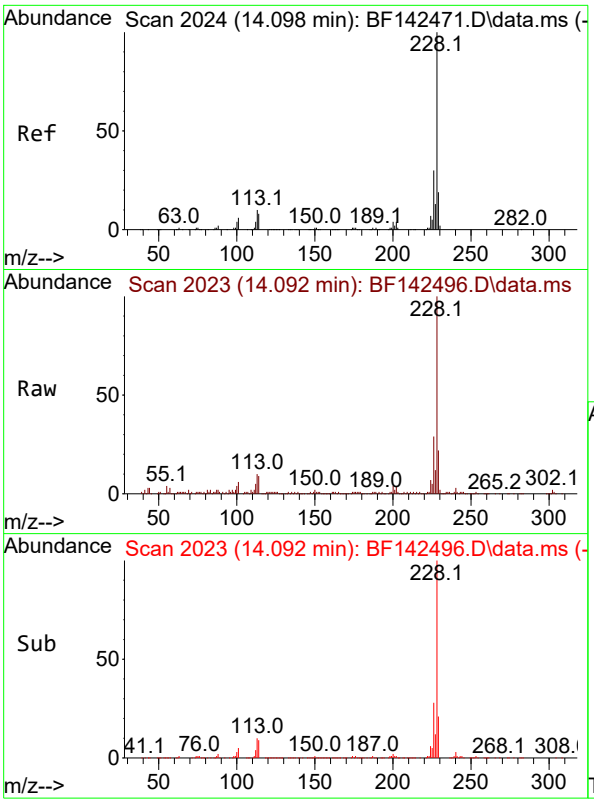


#81
Benzo(a)anthracene
Concen: 7.461 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:228 Resp: 112374

Ion	Ratio	Lower	Upper
228	100		
226	30.8	21.2	31.8
229	20.7	15.5	23.3



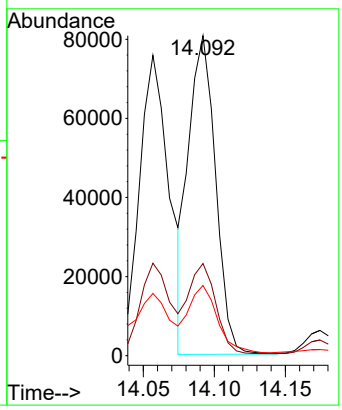


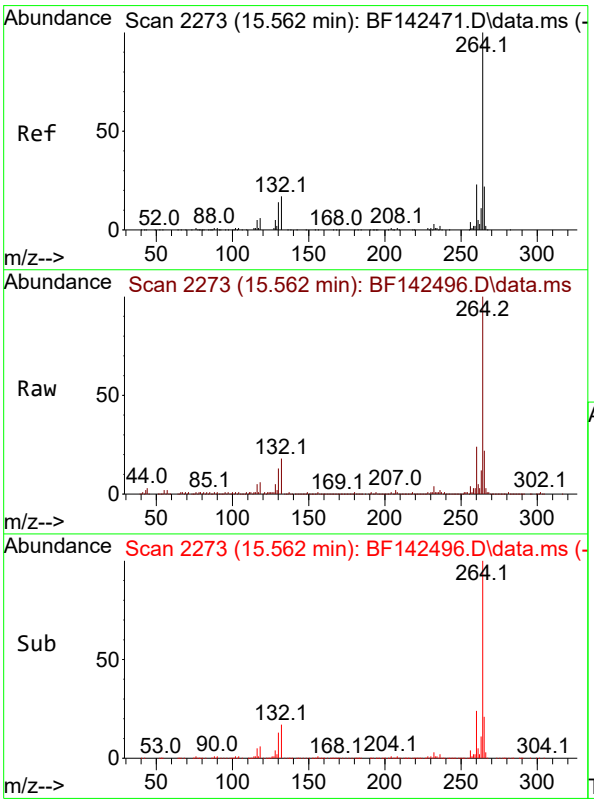
#83
Chrysene
Concen: 7.861 ng
RT: 14.092 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Instrument :
BNA_F
ClientSampleId :
SS-910

Tgt Ion:228 Resp: 106376

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.8	35.6
229	21.9	15.4	23.2

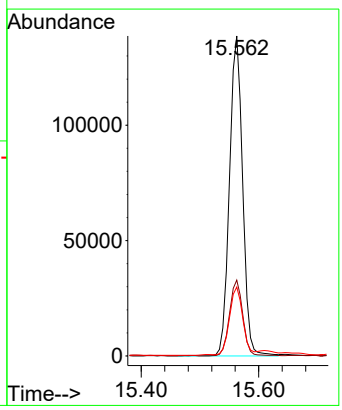


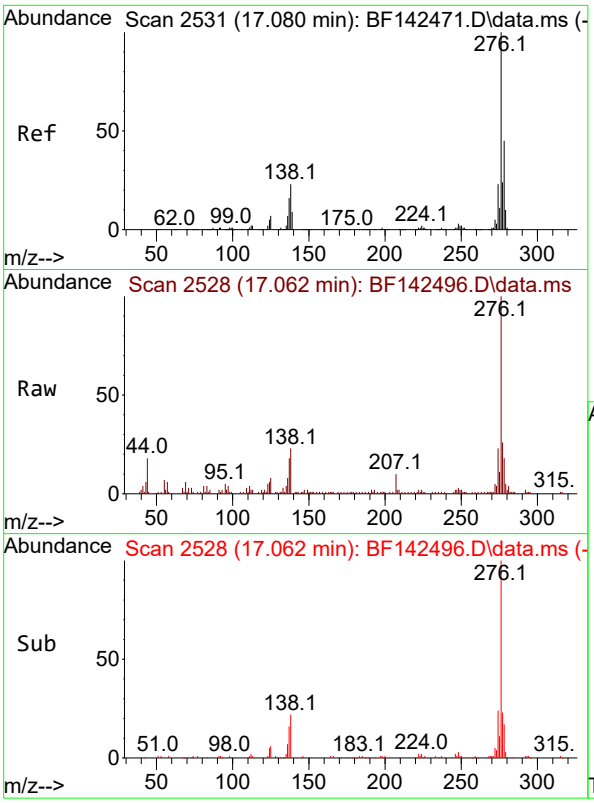


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:264 Resp: 216170

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.6	17.7	26.5



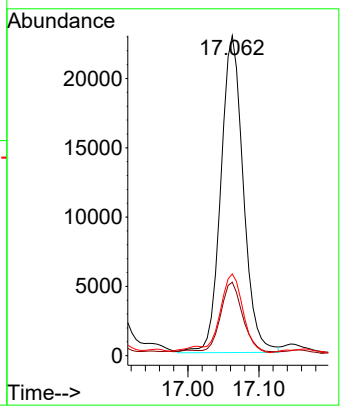


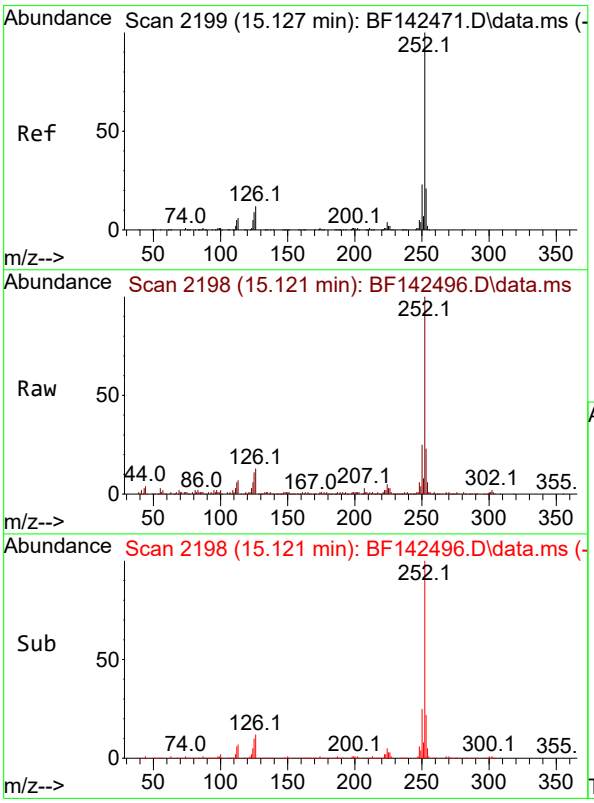
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.099 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Instrument :
BNA_F
ClientSampleId :
SS-910

Tgt Ion:276 Resp: 50300

Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.9	29.9
277	26.2	20.2	30.2

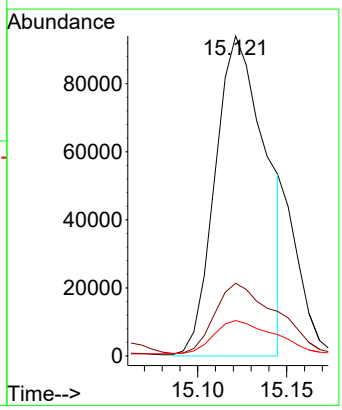


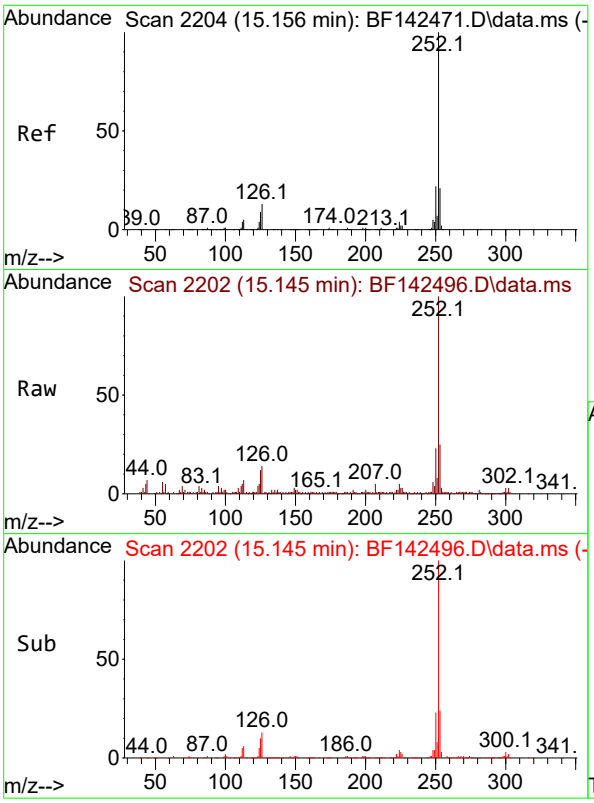


#88
Benzo(b)fluoranthene
Concen: 14.546 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:252 Resp: 186105

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.4
125	11.0	7.4	11.0#



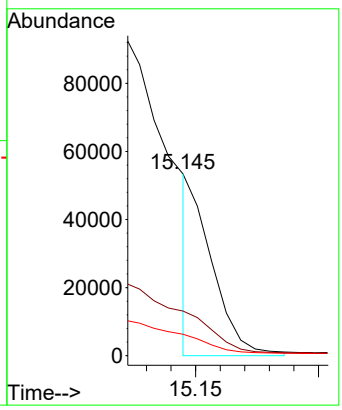


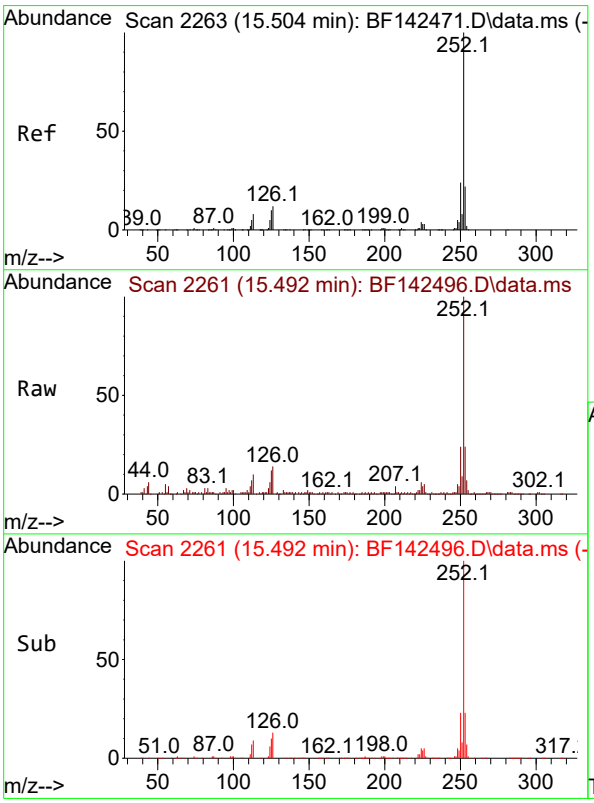
#89
Benzo(k)fluoranthene
Concen: 2.739 ng m
RT: 15.145 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Instrument :
BNA_F
ClientSampleId :
SS-910

Tgt Ion:252 Resp: 32825

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.4
125	11.8	7.3	10.9#

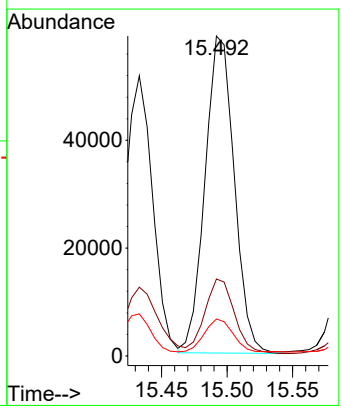


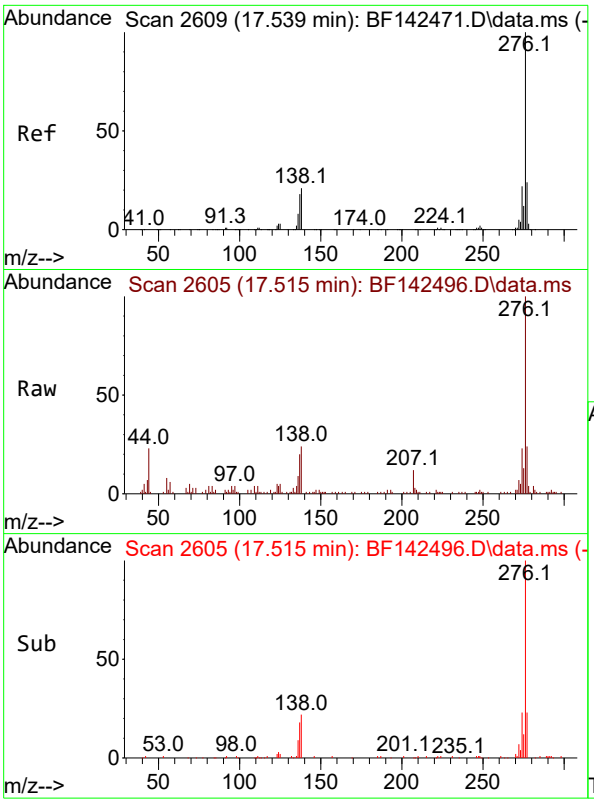


#90
Benzo(a)pyrene
Concen: 7.572 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.018 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Tgt Ion:252 Resp: 91312

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	11.5	7.9	11.9





#92
Benzo(g,h,i)perylene
Concen: 3.365 ng
RT: 17.515 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF142496.D
Acq: 21 May 2025 19:34

Instrument :
BNA_F
ClientSampleId :
SS-910

Tgt Ion:276 Resp: 44301

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.2	28.8
138	23.9	16.8	25.2