Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092925\
Data File : BF143828.D
Acq On : 29 Sep 2025 18:12
Operator : RC/JU
Sample : Q3231-13DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-4DL

Quant Time: Sep 29 18:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	137695	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	506582	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	260754	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	375833	20.000	ng		0.00
76) Chrysene-d12	14.057	240	491458	20.000	ng		0.00
86) Perylene-d12	15.533	264	605206	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	132626	15.649	ng		-0.01
7) Phenol-d6	6.492	99	162955	16.641	ng		-0.02
23) Nitrobenzene-d5	7.439	82	84458	10.205	ng		-0.01
42) 2,4,6-Tribromophenol	10.710	330	53747	13.921	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	191727	11.474	ng		0.00
79) Terphenyl-d14	12.998	244	241401	9.990	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.186	128	49946	2.060	ng		98
37) 2-Methylnaphthalene	8.881	142	60292	3.899	ng		99
38) 1-Methylnaphthalene	8.980	142	58483	3.951	ng		100
58) Fluorene	10.469	166	55077	3.806	ng		99
71) Phenanthrene	11.433	178	247210	12.812	ng		99
72) Anthracene	11.486	178	43824	2.264	ng		99
75) Fluoranthene	12.627	202	156079	8.043	ng		99
78) Pyrene	12.857	202	291992	12.085	ng		99
81) Benzo(a)anthracene	14.045	228	162153	6.142	ng	#	86
83) Chrysene	14.080	228	159601	6.681	ng	#	94
88) Benzo(b)fluoranthene	15.104	252	145757m	4.729	ng		
90) Benzo(a)pyrene	15.468	252	143321	4.947	ng		97

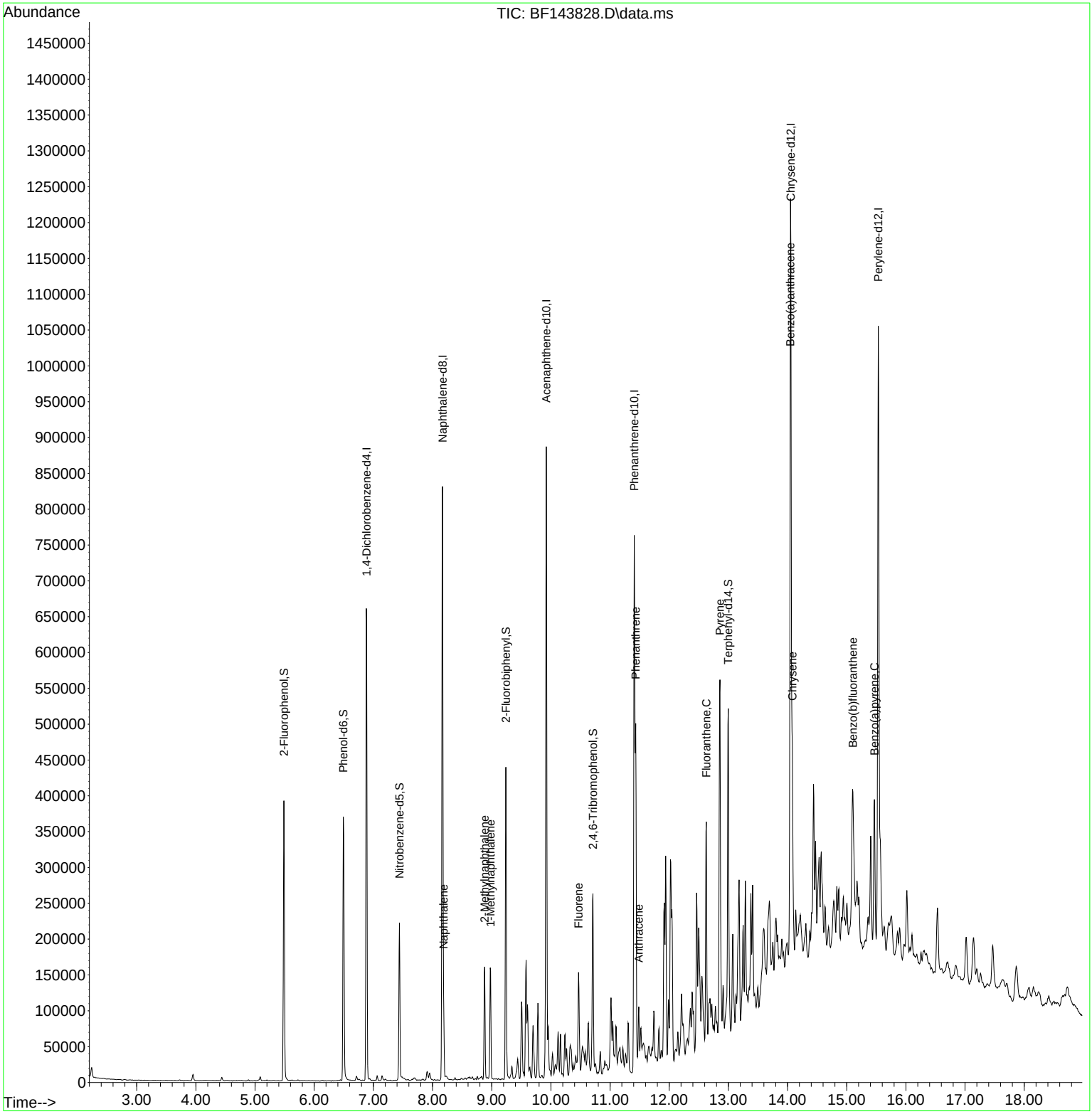
(#) = qualifier out of range (m) = manual integration (+) = signals summed

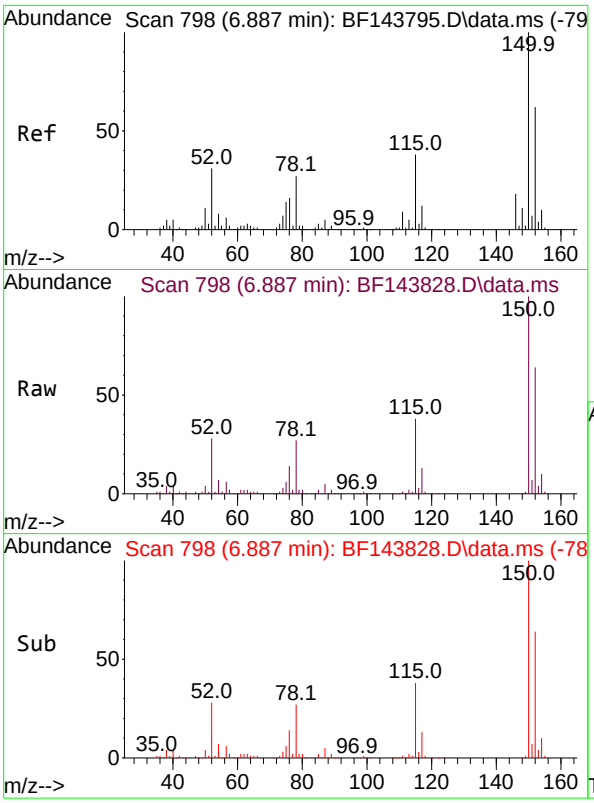
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092925\
Data File : BF143828.D
Acq On : 29 Sep 2025 18:12
Operator : RC/JU
Sample : Q3231-13DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-4DL

Quant Time: Sep 29 18:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration



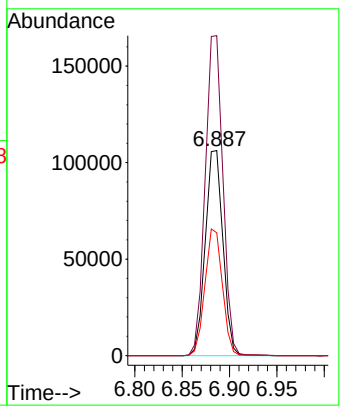


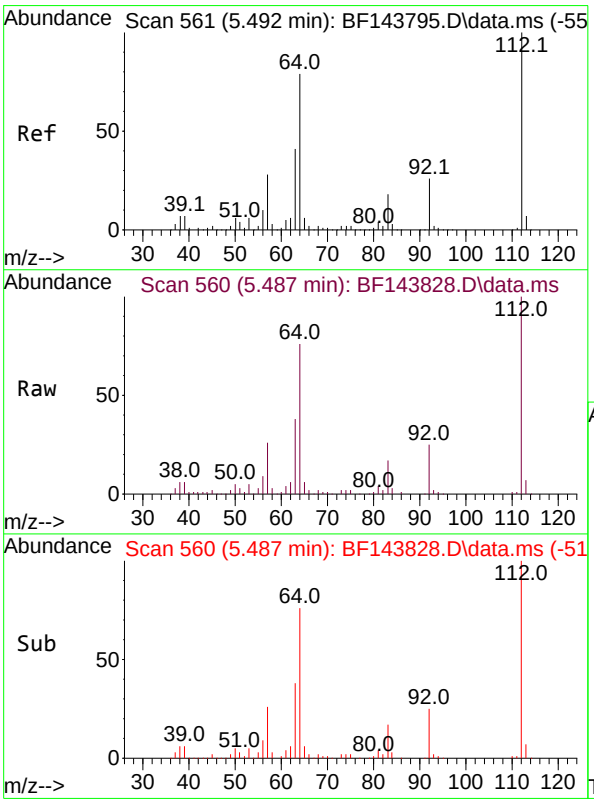
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Instrument :
BNA_F
ClientSampleId :
WC-4DL

Tgt Ion:152 Resp: 137695

Ion	Ratio	Lower	Upper
152	100		
150	156.1	129.6	194.4
115	59.9	49.0	73.4

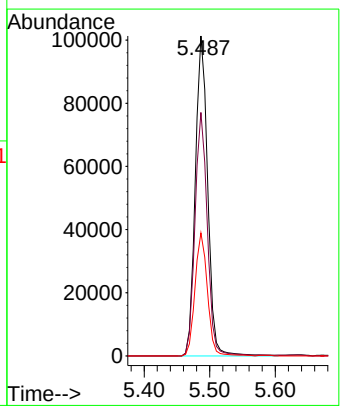


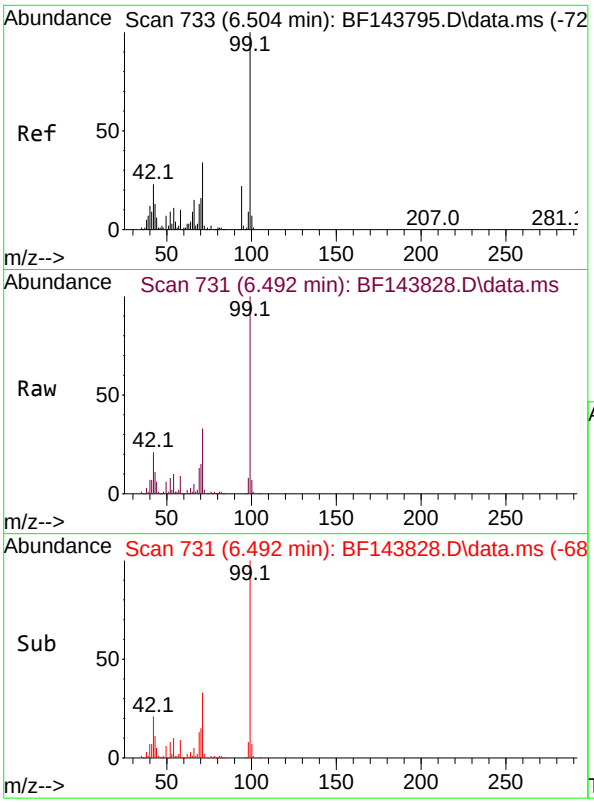


#5
2-Fluorophenol
Concen: 15.649 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.011 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:112 Resp: 132626

Ion	Ratio	Lower	Upper
112	100		
64	76.1	63.0	94.4
63	38.5	32.6	49.0



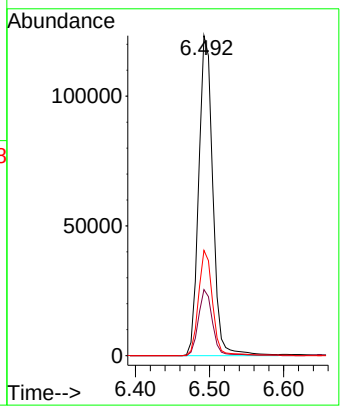


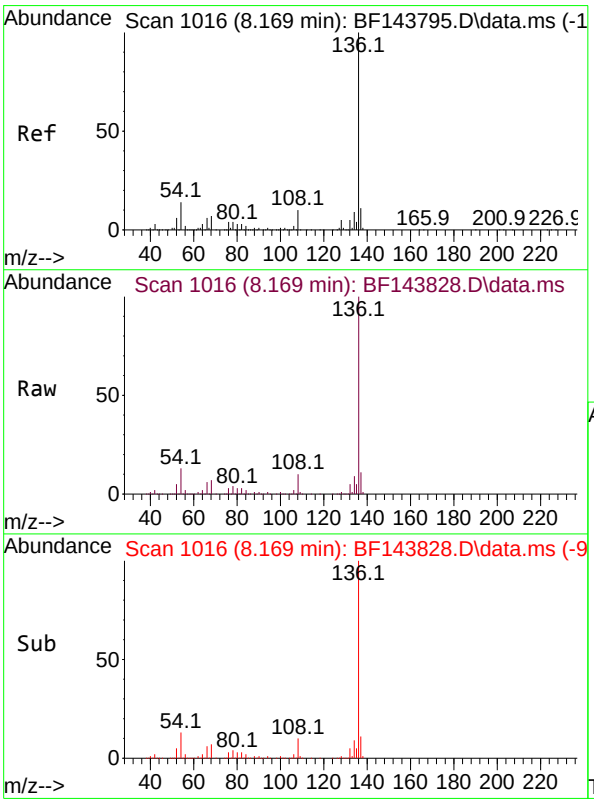
#7
Phenol-d6
Concen: 16.641 ng
RT: 6.492 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Instrument :
BNA_F
ClientSampleId :
WC-4DL

Tgt Ion: 99 Resp: 162955

Ion	Ratio	Lower	Upper
99	100		
42	20.6	18.6	28.0
71	32.9	27.0	40.4

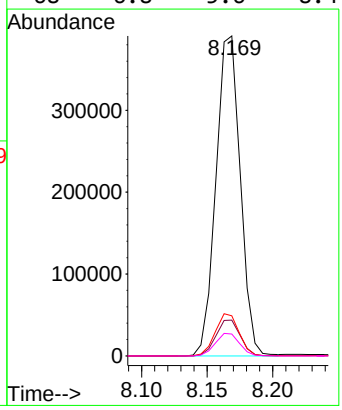


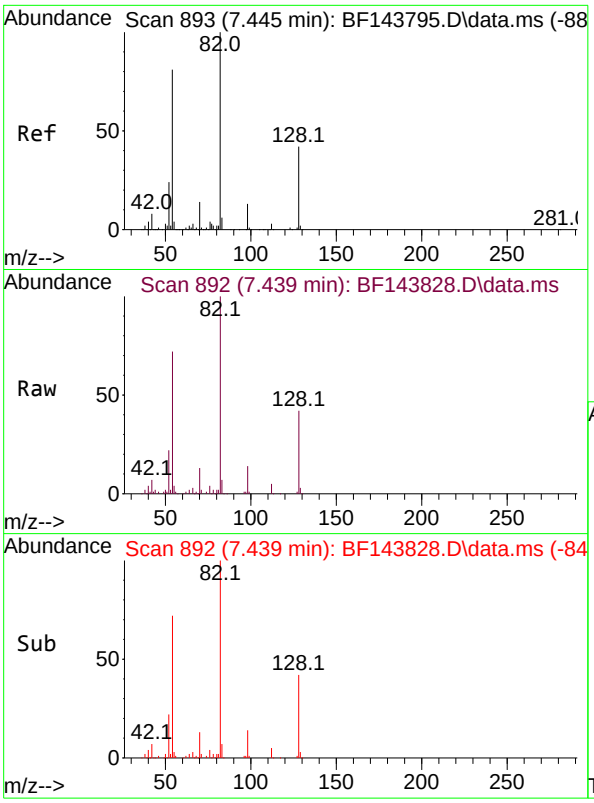


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:136 Resp: 506582

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	12.5	11.2	16.8
68	6.8	5.6	8.4



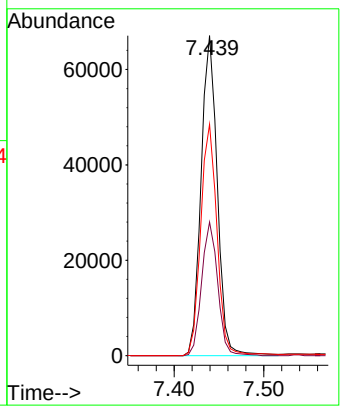


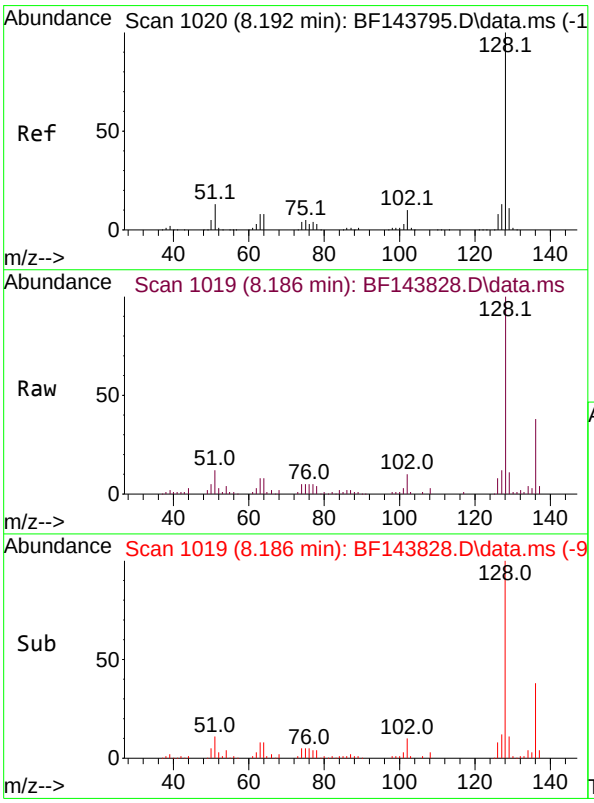
#23
Nitrobenzene-d5
Concen: 10.205 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Instrument :
BNA_F
ClientSampleId :
WC-4DL

Tgt Ion: 82 Resp: 84458

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.3	49.9
54	72.3	64.2	96.4

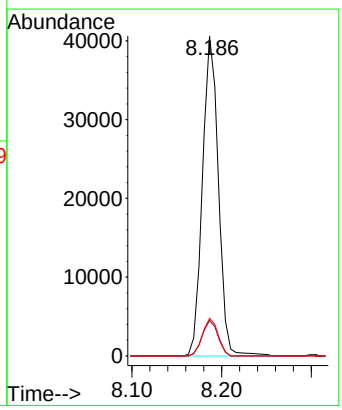


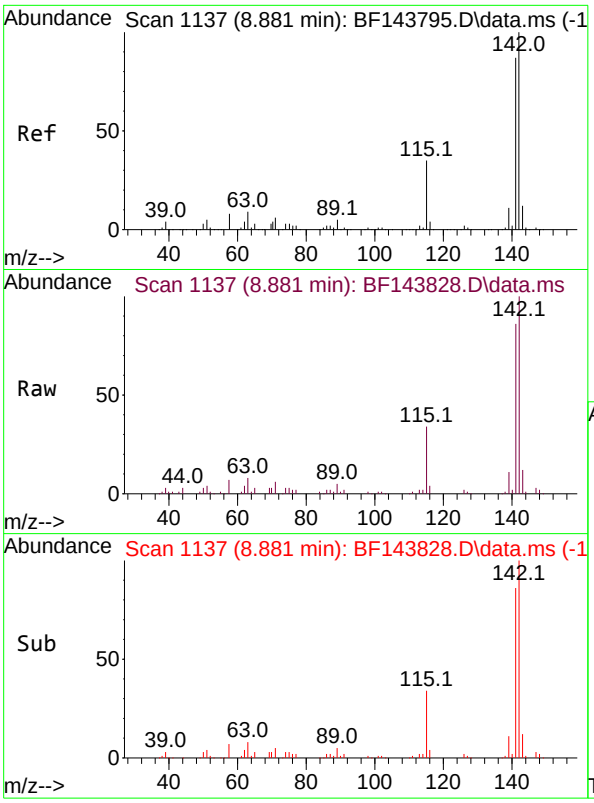


#31
Naphthalene
Concen: 2.060 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:128 Resp: 49946

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	11.8	10.2	15.4



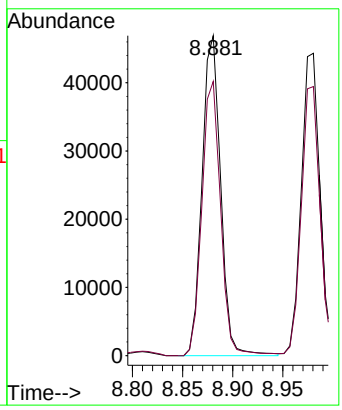


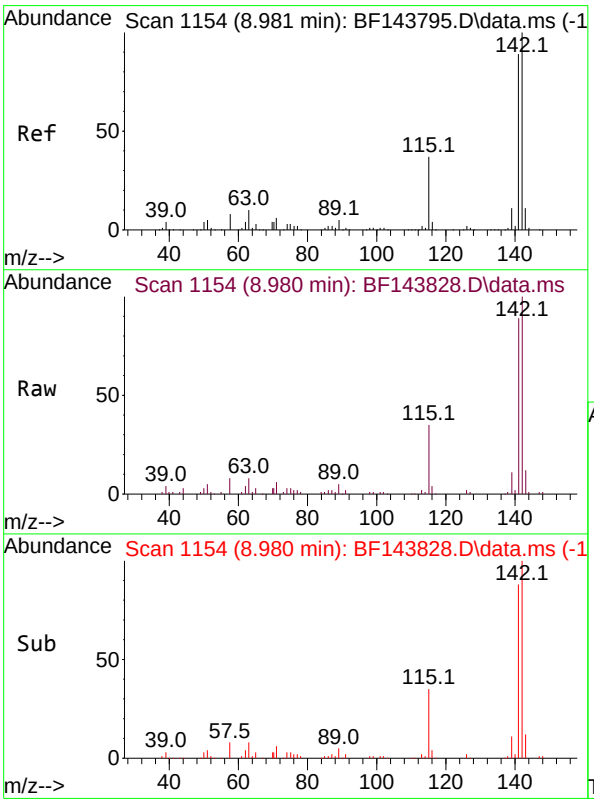
#37
2-Methylnaphthalene
Concen: 3.899 ng
RT: 8.881 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Instrument :
BNA_F
ClientSampleId :
WC-4DL

Tgt Ion:142 Resp: 60292

Ion	Ratio	Lower	Upper
142	100		
141	85.7	69.4	104.0

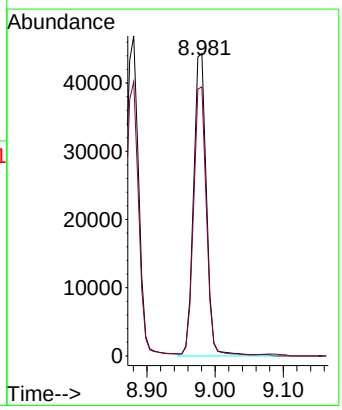


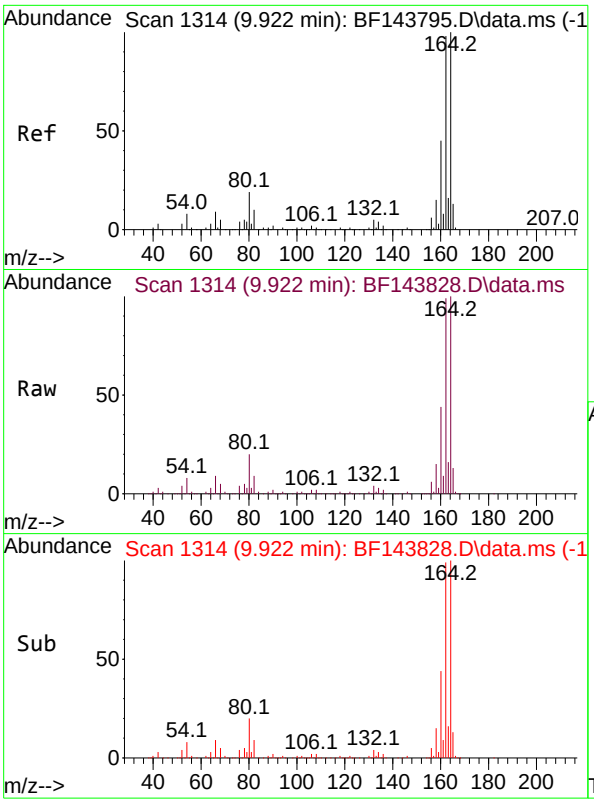


#38
1-Methylnaphthalene
Concen: 3.951 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:142 Resp: 58483

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.1	106.7



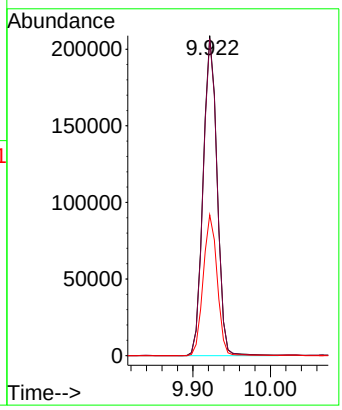


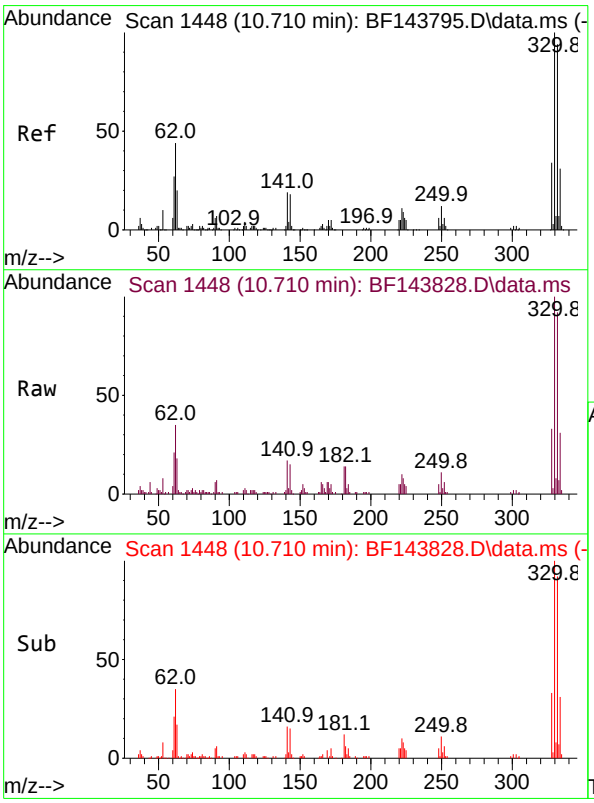
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Instrument :
BNA_F
ClientSampleId :
WC-4DL

Tgt Ion:164 Resp: 260754

Ion	Ratio	Lower	Upper
164	100		
162	99.0	78.8	118.2
160	44.0	35.8	53.6

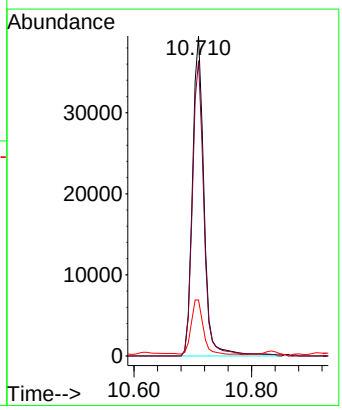


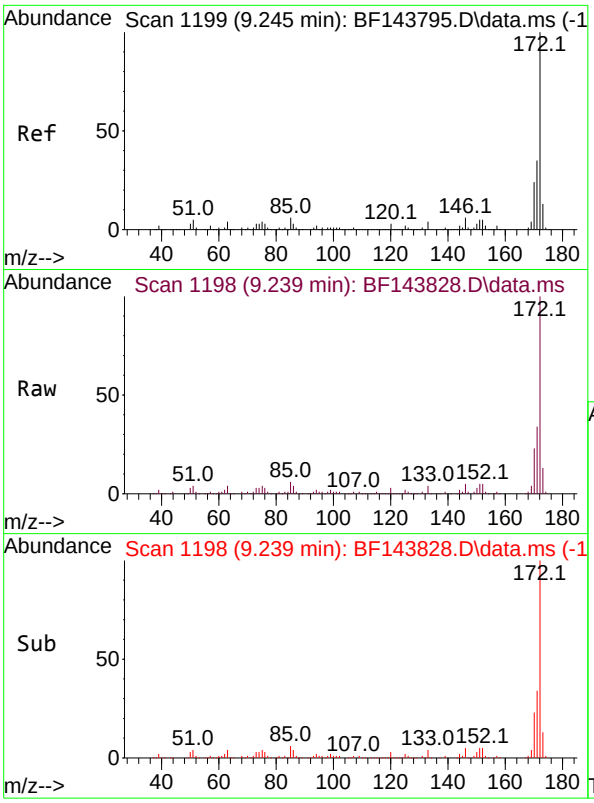


#42
2,4,6-Tribromophenol
Concen: 13.921 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:330 Resp: 53747

Ion	Ratio	Lower	Upper
330	100		
332	91.6	74.7	112.1
141	18.0	14.3	21.5



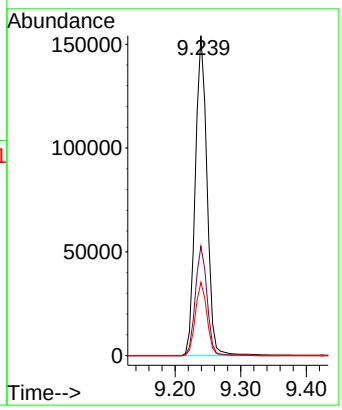


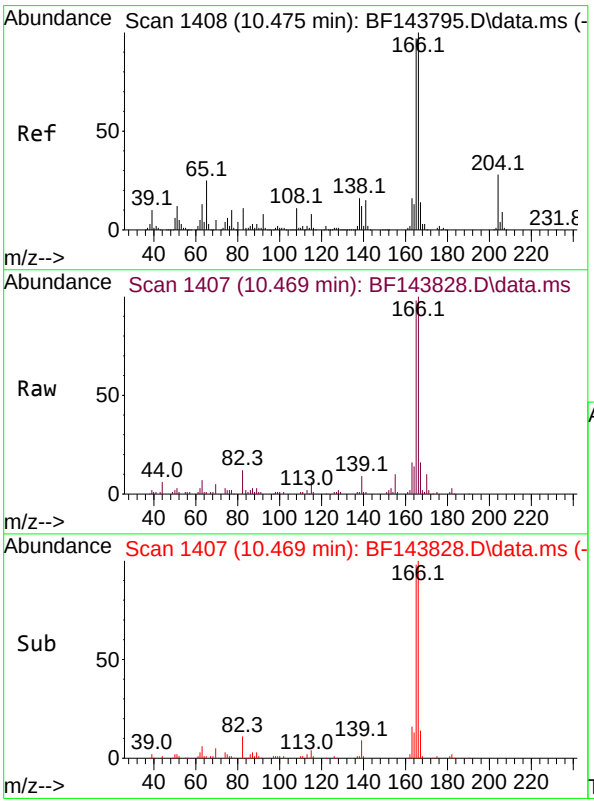
#45
2-Fluorobiphenyl
Concen: 11.474 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Instrument :
BNA_F
ClientSampleId :
WC-4DL

Tgt Ion:172 Resp: 191727

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.9	41.9
170	22.9	19.1	28.7

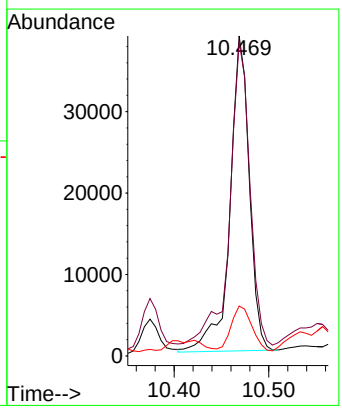


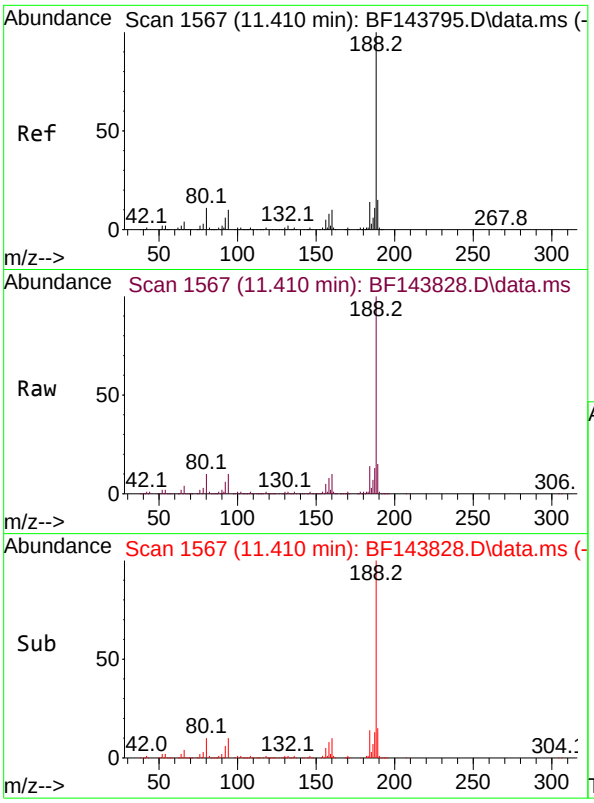


#58
Fluorene
Concen: 3.806 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:166 Resp: 55077

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.0	117.0
167	15.6	10.9	16.3



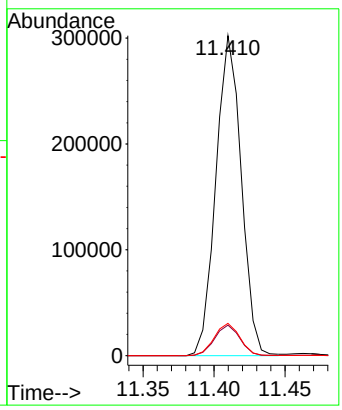


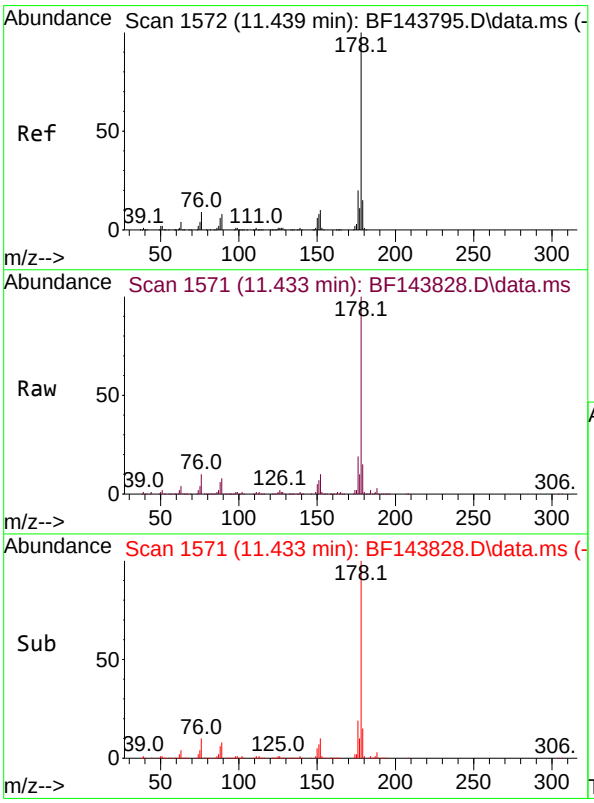
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Instrument :
BNA_F
ClientSampleId :
WC-4DL

Tgt Ion:188 Resp: 375833

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.2	12.2
80	10.1	8.6	12.8

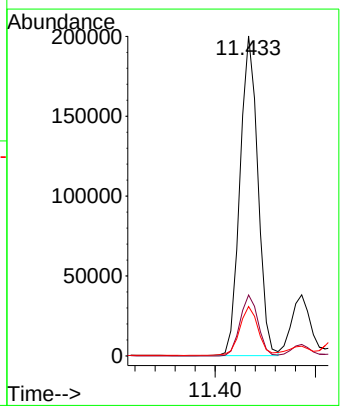


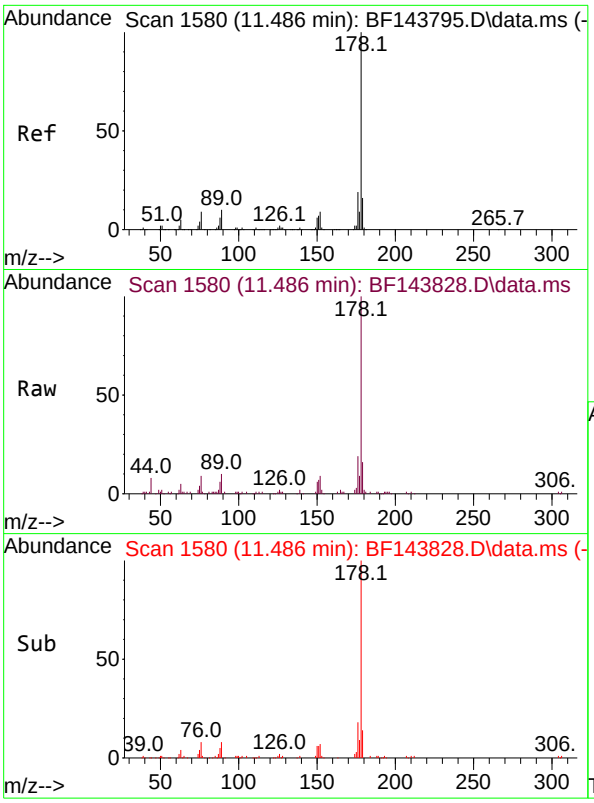


#71
Phenanthrene
Concen: 12.812 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:178 Resp: 247210

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.4	12.2	18.4



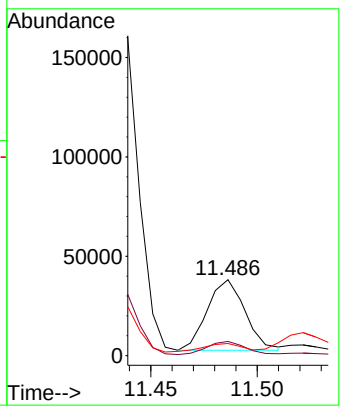


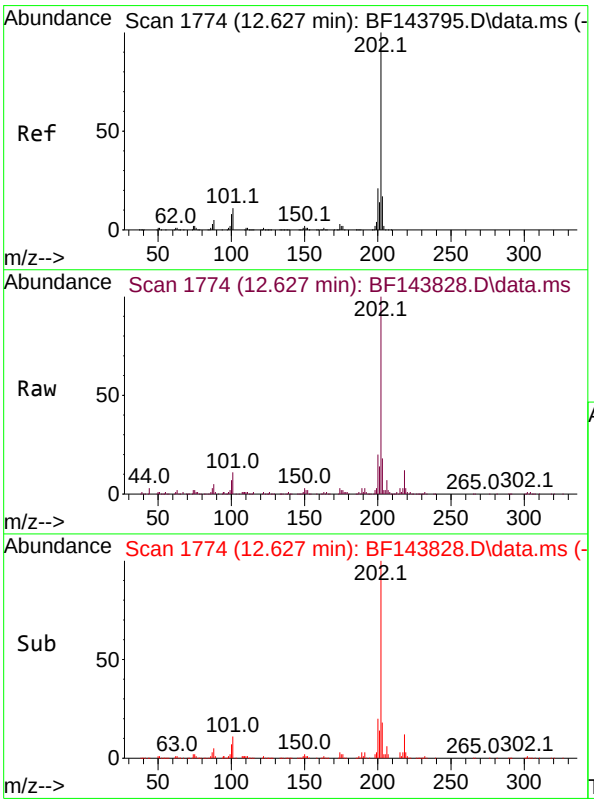
#72
Anthracene
Concen: 2.264 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Instrument :
BNA_F
ClientSampleId :
WC-4DL

Tgt Ion:178 Resp: 43824

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.8	12.8	19.2

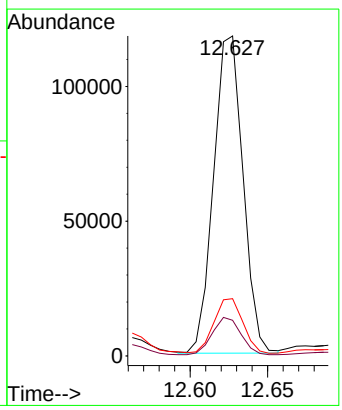


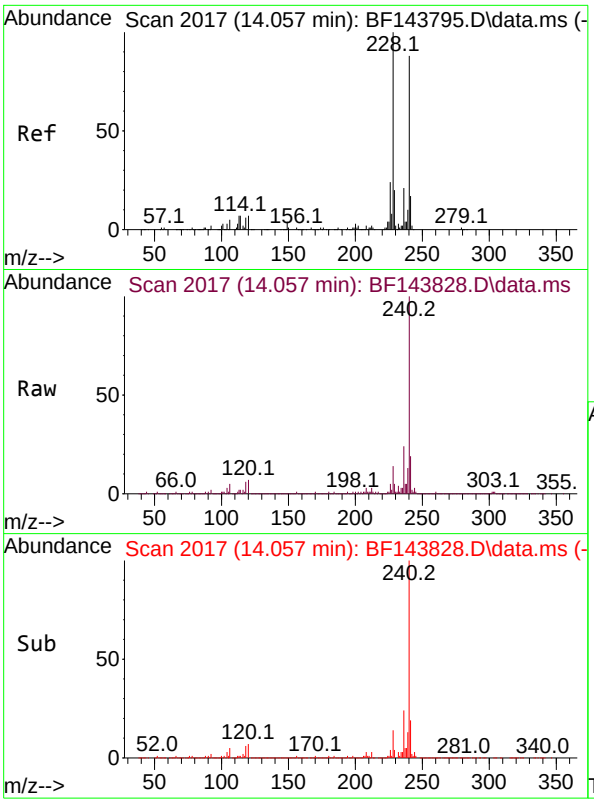


#75
Fluoranthene
Concen: 8.043 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:202 Resp: 156079

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.1
203	17.9	0.0	37.4



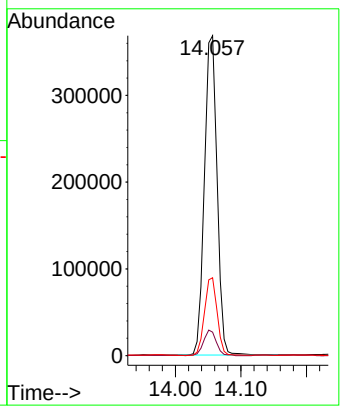


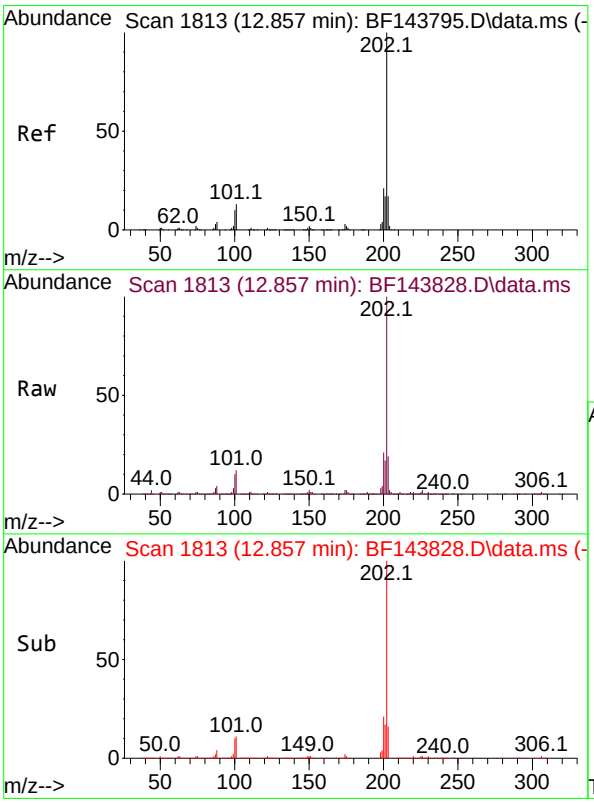
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Instrument :
BNA_F
ClientSampleId :
WC-4DL

Tgt Ion:240 Resp: 491458

Ion	Ratio	Lower	Upper
240	100		
120	7.3	6.2	9.4
236	24.3	19.4	29.2

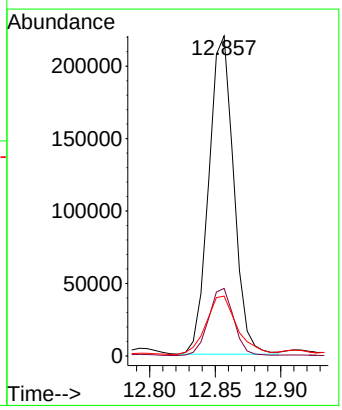


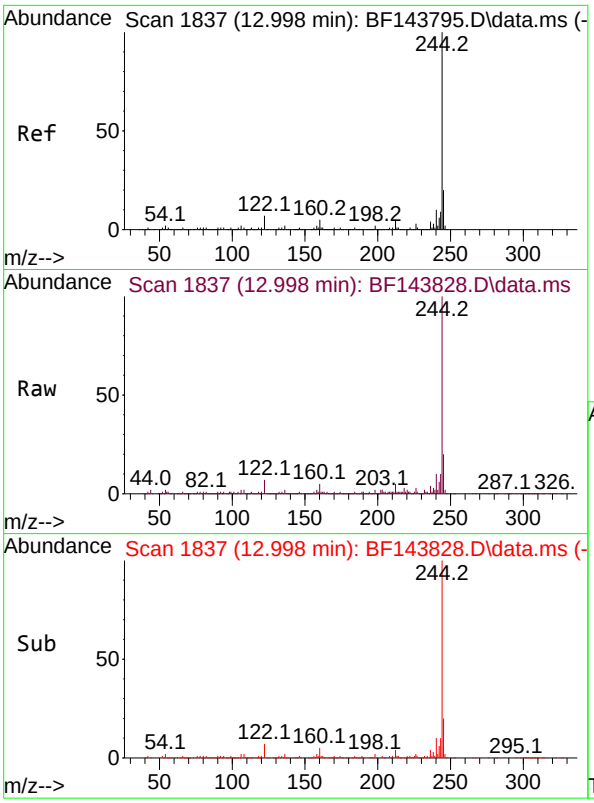


#78
Pyrene
Concen: 12.085 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:202 Resp: 291992

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	18.7	13.9	20.9



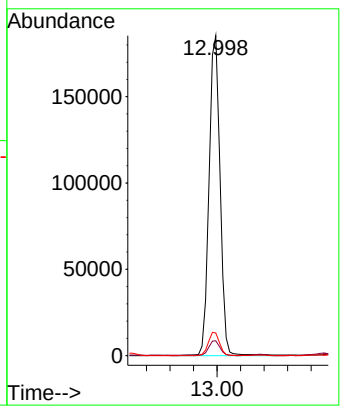


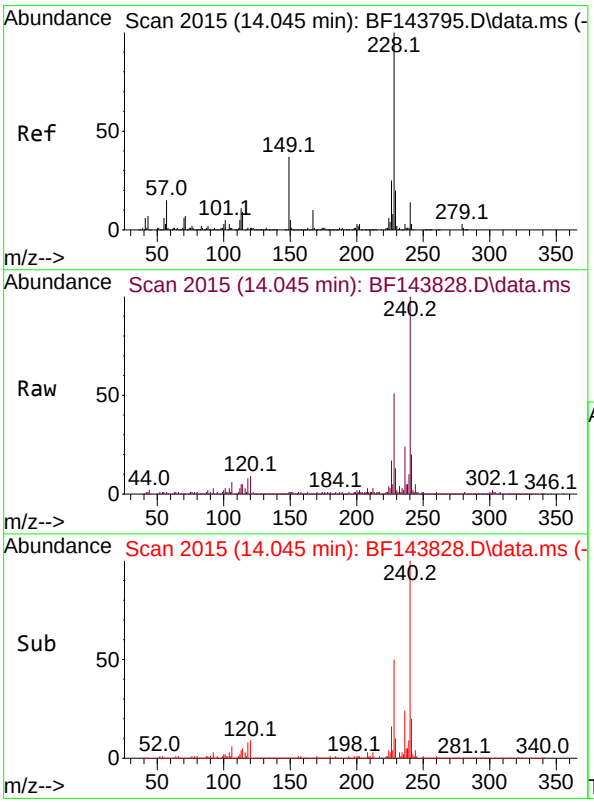
#79
Terphenyl-d14
Concen: 9.990 ng
RT: 12.998 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Instrument :
BNA_F
ClientSampleId :
WC-4DL

Tgt Ion:244 Resp: 241401

Ion	Ratio	Lower	Upper
244	100		
212	4.6	3.9	5.9
122	7.1	5.6	8.4

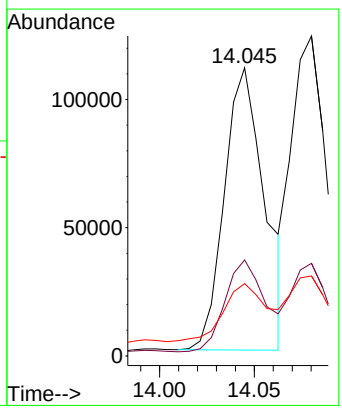


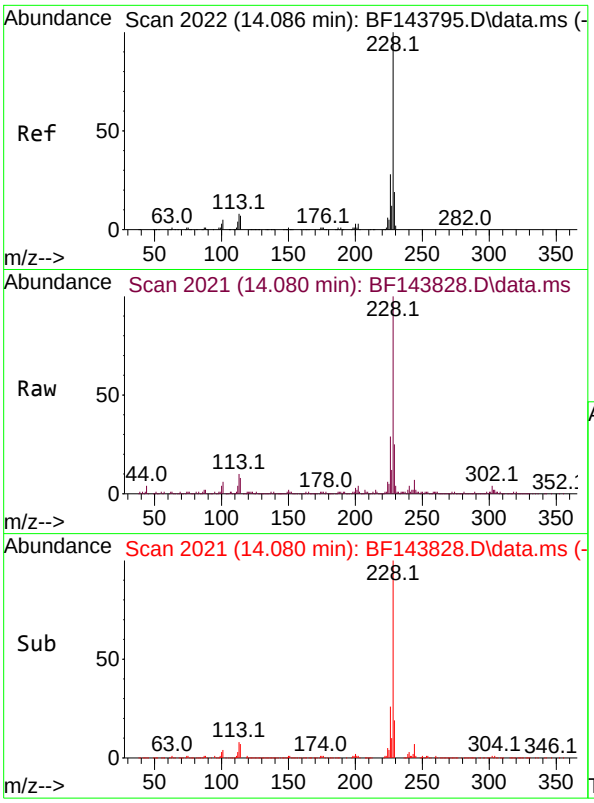


#81
Benzo(a)anthracene
Concen: 6.142 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:228 Resp: 162153

Ion	Ratio	Lower	Upper
228	100		
226	33.3	20.2	30.2#
229	25.1	16.1	24.1#



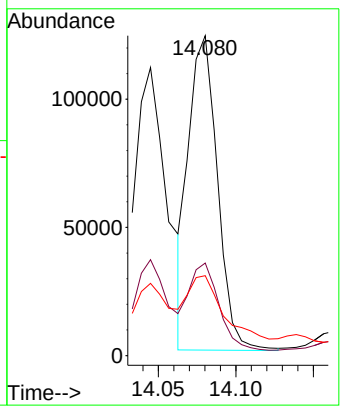


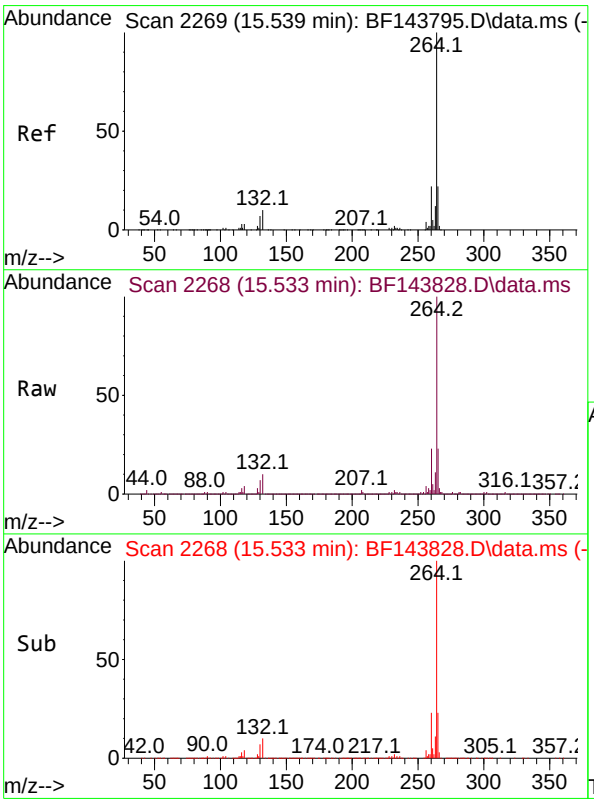
#83
Chrysene
Concen: 6.681 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Instrument :
BNA_F
ClientSampleId :
WC-4DL

Tgt Ion:228 Resp: 159601

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	25.0	15.6	23.4#

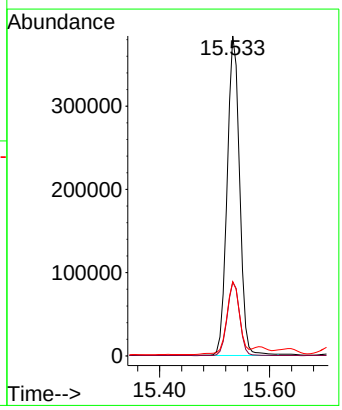


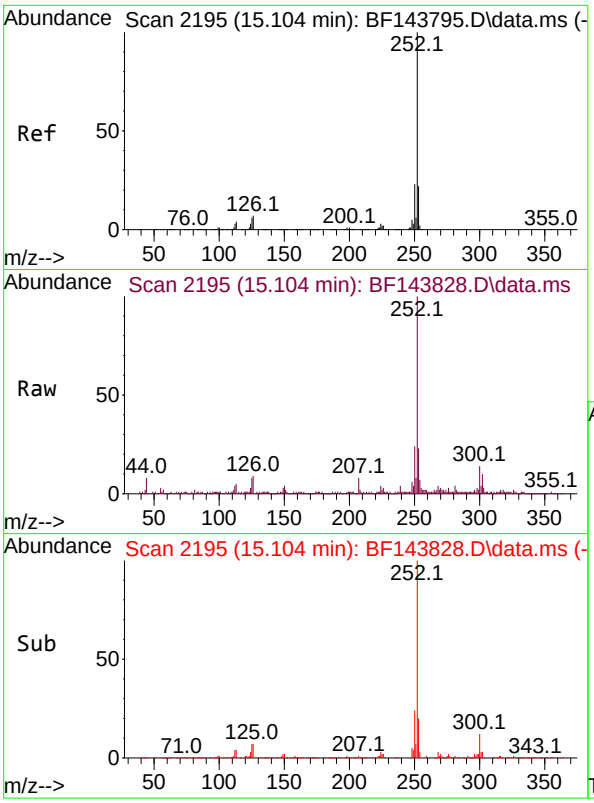


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:264 Resp: 605206

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.9	26.9
265	23.2	17.7	26.5



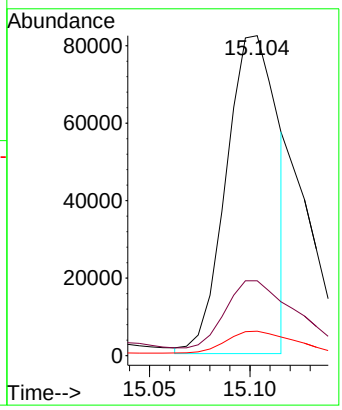


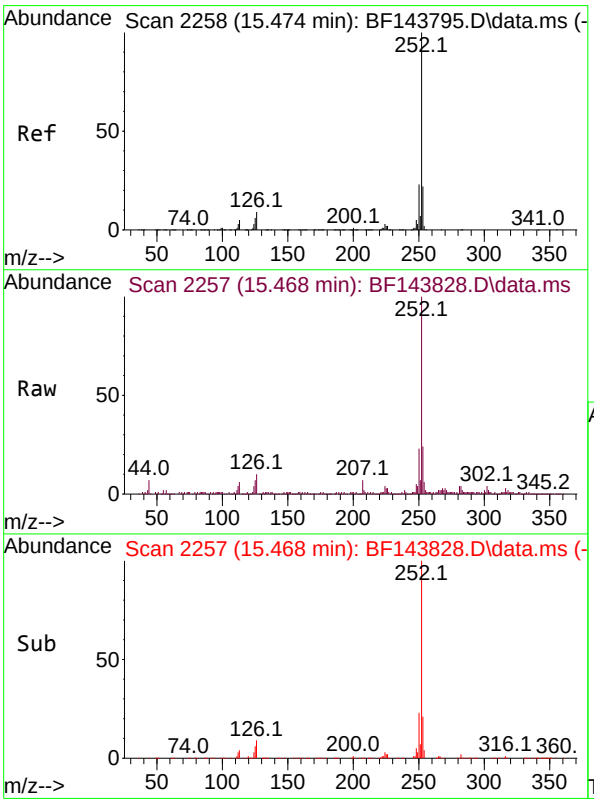
#88
Benzo(b)fluoranthene
Concen: 4.729 ng m
RT: 15.104 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Instrument :
BNA_F
ClientSampleId :
WC-4DL

Tgt Ion:252 Resp: 145757

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	7.6	4.4	6.6#





#90
Benzo(a)pyrene
Concen: 4.947 ng
RT: 15.468 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:252 Resp: 143321

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	6.7	5.0	7.4