Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144296.D
Acq On : 20 Nov 2025 15:59
Operator : RC/JU
Sample : Q3662-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 20 16:46:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.863	152	39264	20.000	ng		-0.01
21) Naphthalene-d8	8.145	136	131569	20.000	ng		-0.01
39) Acenaphthene-d10	9.898	164	67150	20.000	ng		-0.02
64) Phenanthrene-d10	11.392	188	132298	20.000	ng		-0.01
76) Chrysene-d12	14.039	240	127839	20.000	ng		-0.01
86) Perylene-d12	15.521	264	98400	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	131616	52.456	ng		0.00
7) Phenol-d6	6.493	99	141899	49.912	ng		0.00
23) Nitrobenzene-d5	7.422	82	82868	36.377	ng		-0.01
42) 2,4,6-Tribromophenol	10.692	330	41299	49.011	ng		-0.01
45) 2-Fluorobiphenyl	9.216	172	155815	34.271	ng		-0.01
79) Terphenyl-d14	12.980	244	219505	27.274	ng		-0.01
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	12285	6.564	ng	#	80
25) Isophorone	7.422	82	82866	19.231	ng	#	66
49) Acenaphthylene	9.763	152	18793	3.449	ng		98
51) 2,6-Dinitrotoluene	9.898	165	9436	10.478	ng	#	27
63) Azobenzene	10.610	77	11566	3.030	ng	#	1
71) Phenanthrene	11.416	178	93364	14.174	ng		99
72) Anthracene	11.469	178	17264	2.578	ng		97
75) Fluoranthene	12.610	202	219050	32.193	ng		99
78) Pyrene	12.839	202	229746	22.289	ng		99
81) Benzo(a)anthracene	14.033	228	125294	14.141	ng		94
83) Chrysene	14.069	228	132554	16.206	ng		97
87) Indeno(1,2,3-cd)pyrene	17.015	276	44368	6.281	ng		97
88) Benzo(b)fluoranthene	15.092	252	166777	29.812	ng	#	97
89) Benzo(k)fluoranthene	15.092	252	166777	31.851	ng	#	98
90) Benzo(a)pyrene	15.457	252	82438	15.974	ng	#	93
91) Dibenzo(a,h)anthracene	17.021	278	11667	2.057	ng	#	80
92) Benzo(g,h,i)perylene	17.468	276	45713	8.160	ng	#	91

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

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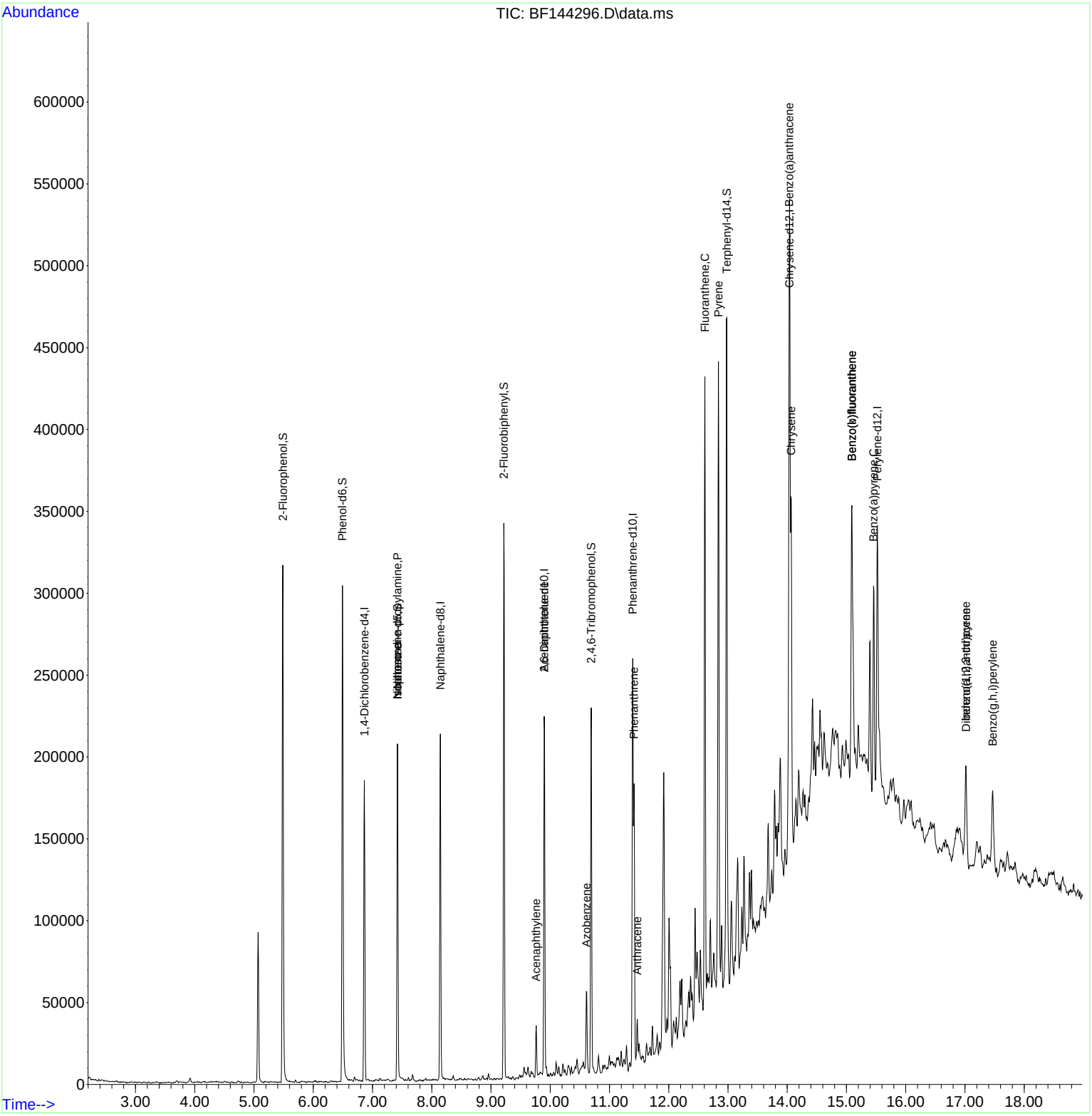
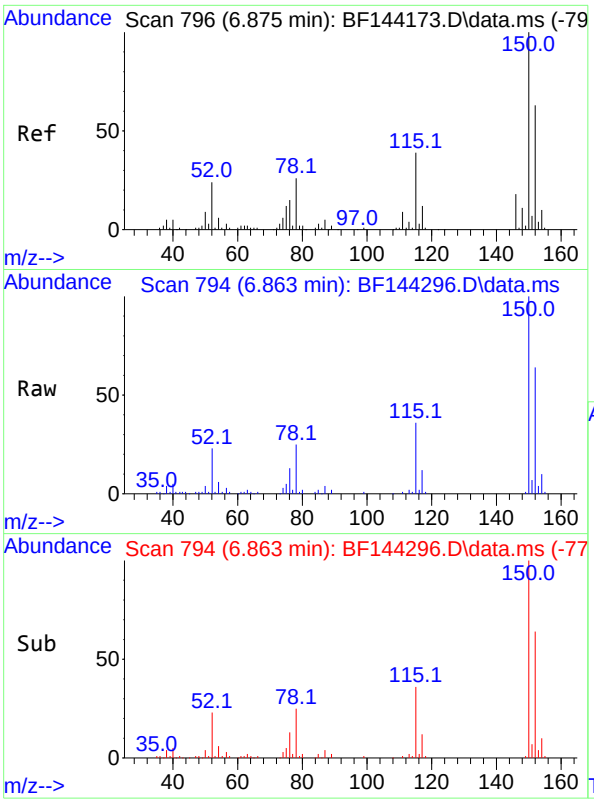


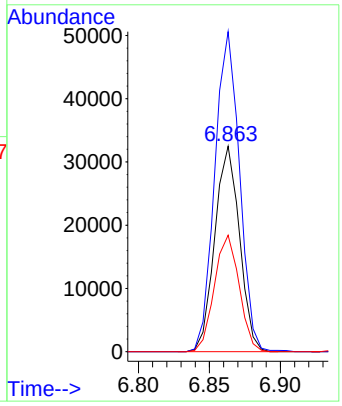


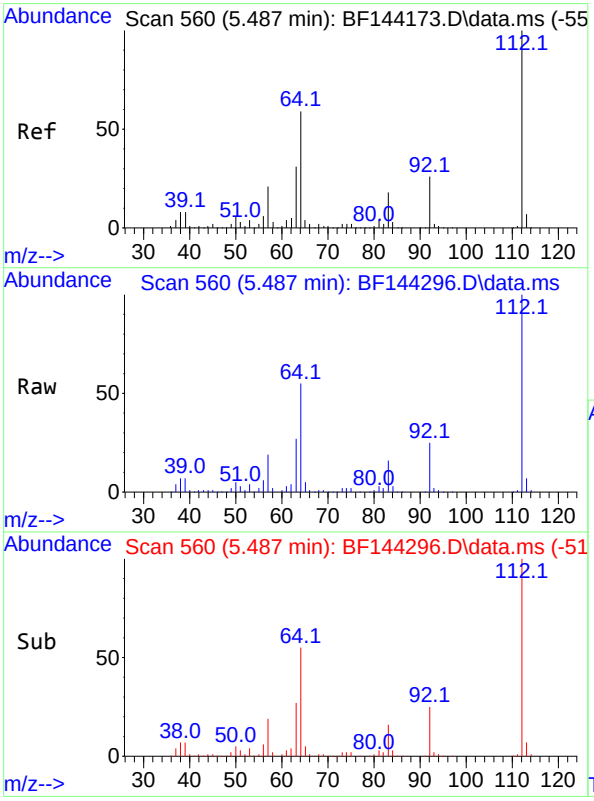
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 39264

Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.4	191.0
115	56.7	49.5	74.3

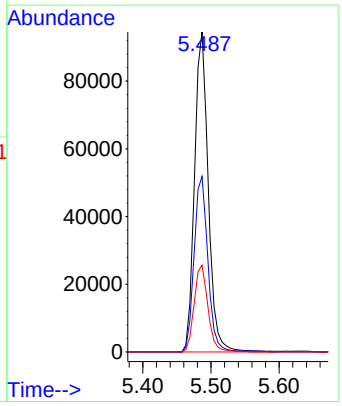


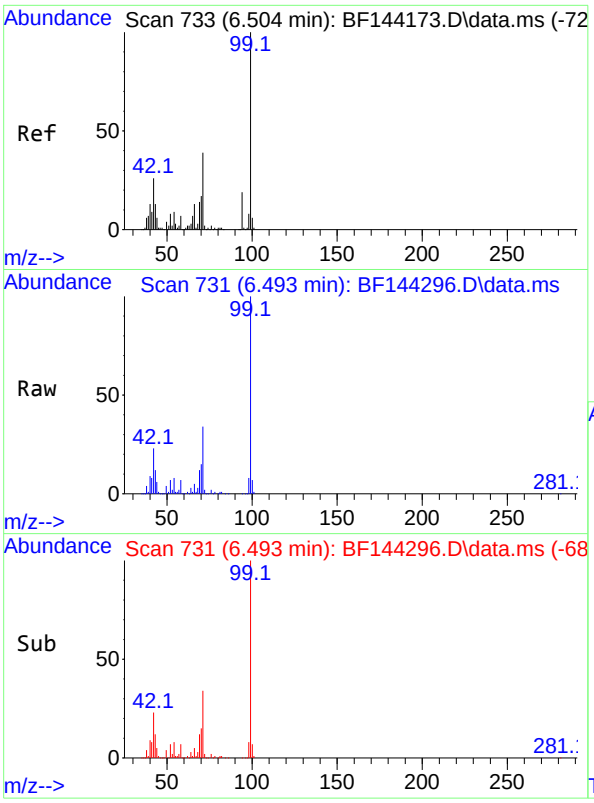


#5
2-Fluorophenol
Concen: 52.456 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:112 Resp: 131616

Ion	Ratio	Lower	Upper
112	100		
64	54.8	47.2	70.8
63	27.1	24.4	36.6



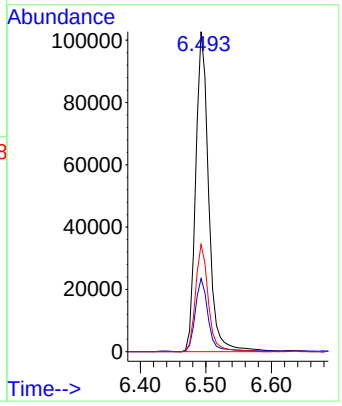


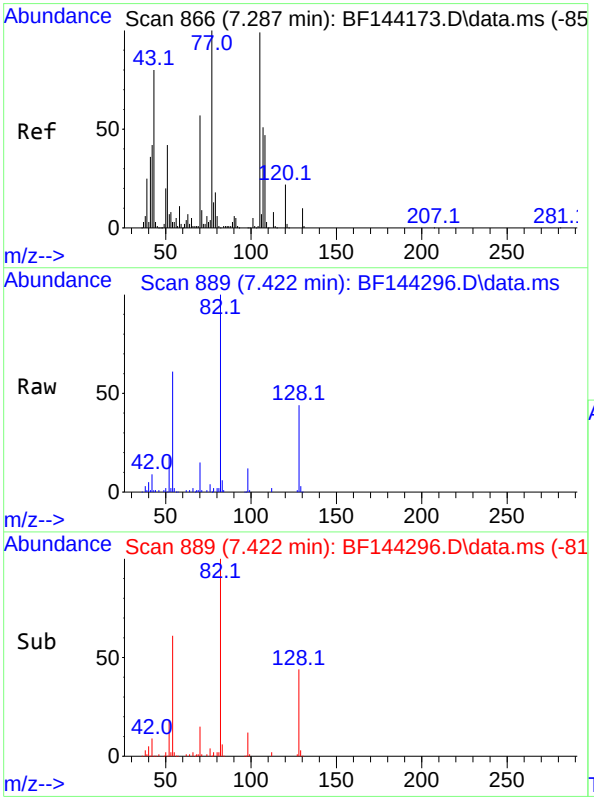
#7
Phenol-d6
Concen: 49.912 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 141899

Ion	Ratio	Lower	Upper
99	100		
42	22.9	20.9	31.3
71	33.5	31.4	47.2

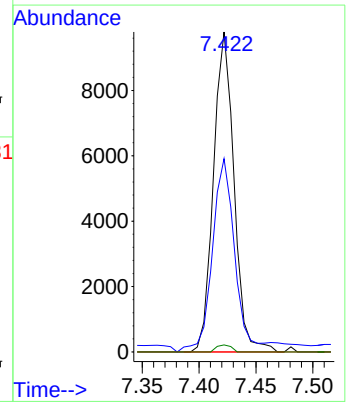


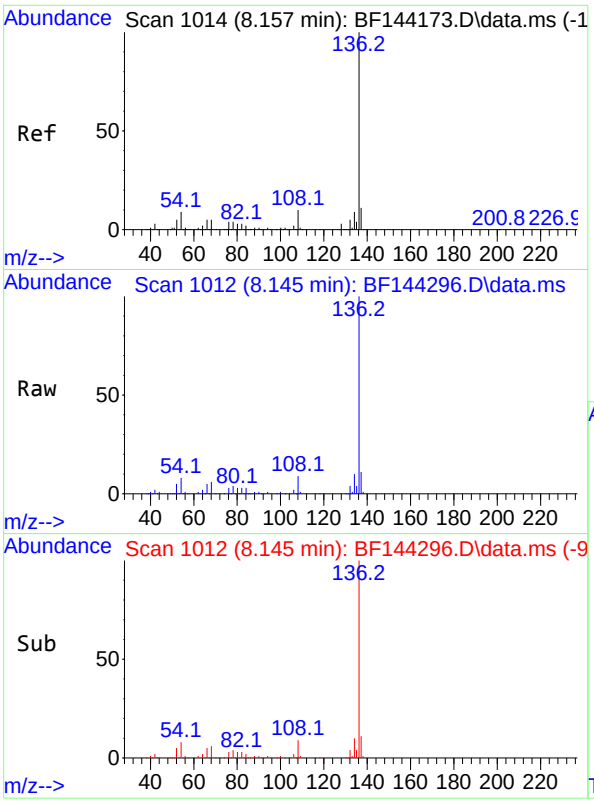


#19
n-Nitroso-di-n-propylamine
Concen: 6.564 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion: 70 Resp: 12285

Ion	Ratio	Lower	Upper
70	100		
42	60.4	58.3	87.5
101	0.0	7.0	10.6#
130	2.2	14.4	21.6#



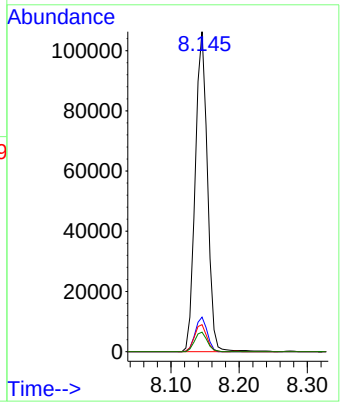


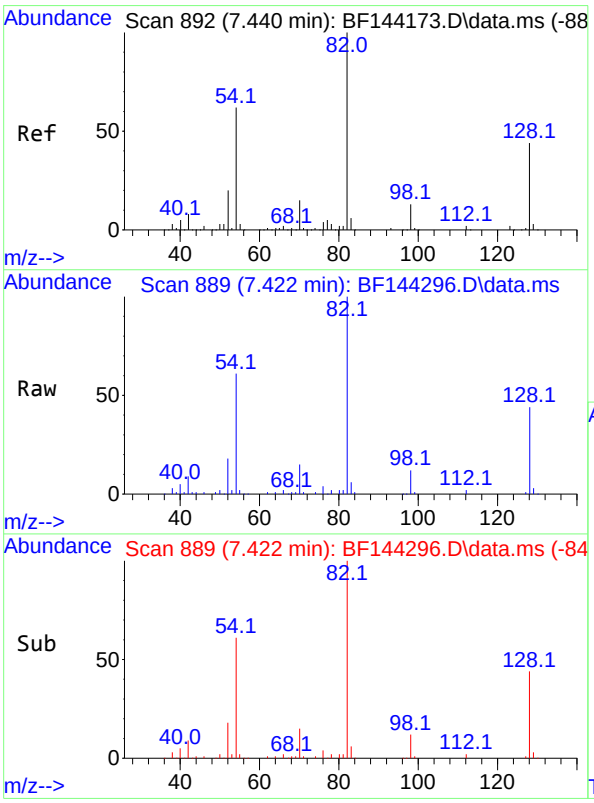
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 131569

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	7.0	10.6
68	6.1	4.3	6.5

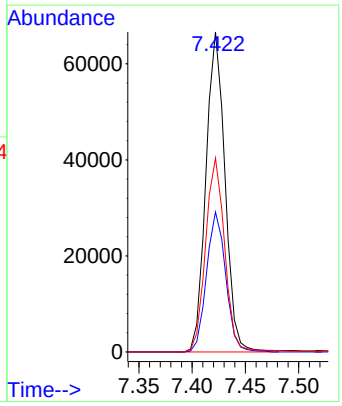


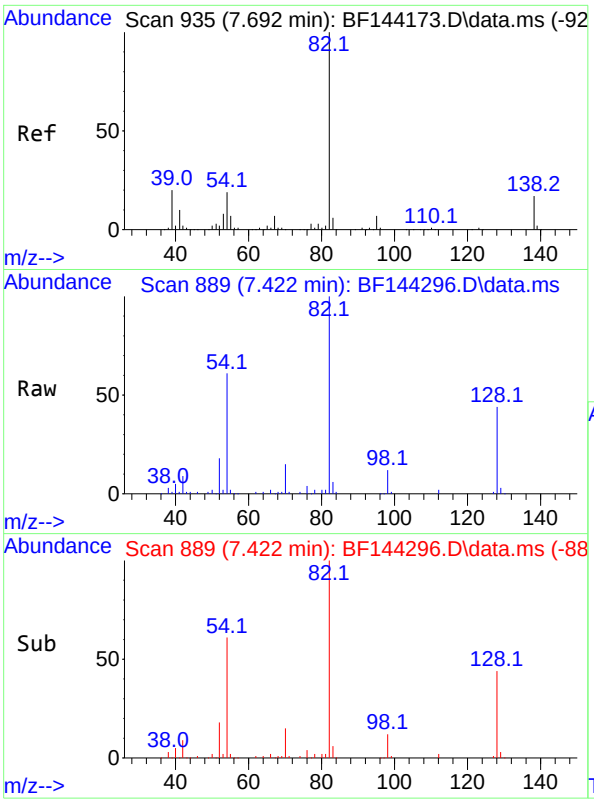


#23
Nitrobenzene-d5
Concen: 36.377 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion: 82 Resp: 82868

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.7	52.1
54	60.6	49.5	74.3



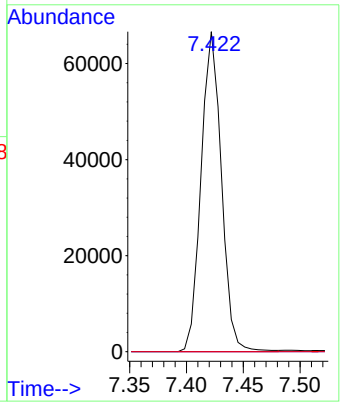


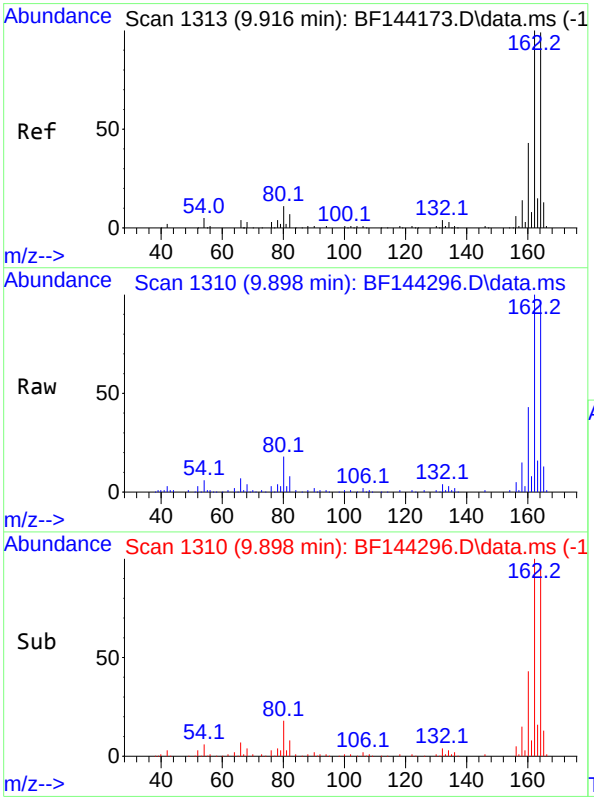
#25
Isophorone
Concen: 19.231 ng
RT: 7.422 min Scan# 8
Delta R.T. -0.265 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 82866

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	13.7	20.5#

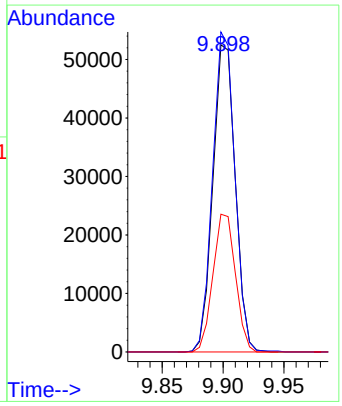


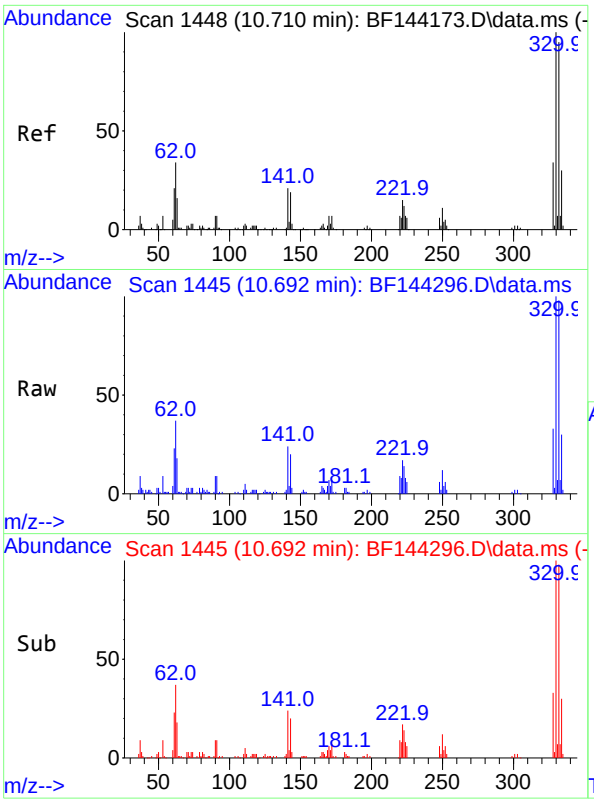


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:164 Resp: 67150

Ion	Ratio	Lower	Upper
164	100		
162	104.2	81.1	121.7
160	44.8	34.5	51.7



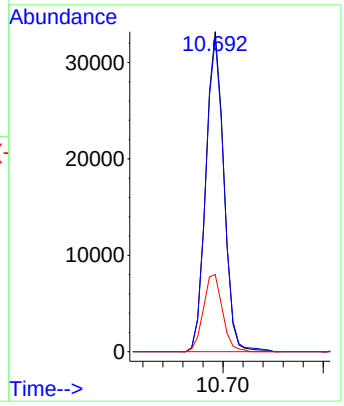


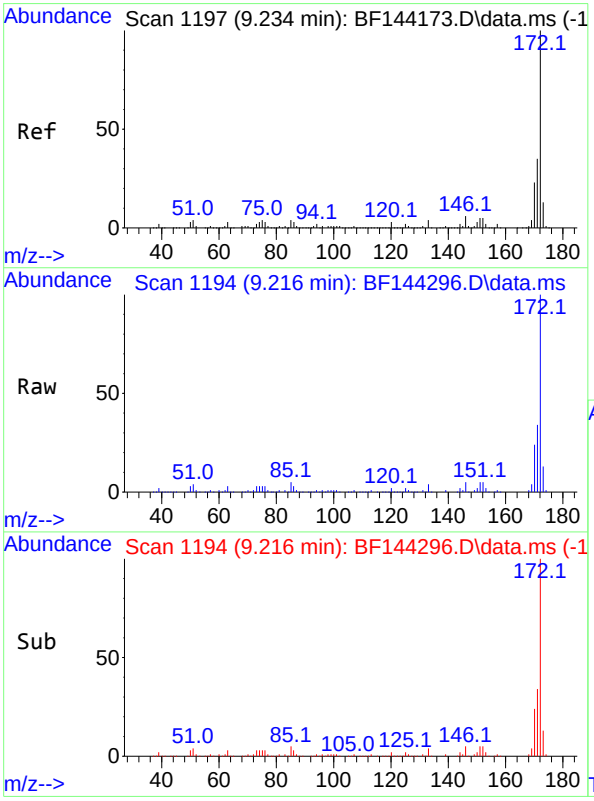
#42
2,4,6-Tribromophenol
Concen: 49.011 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 41299

Ion	Ratio	Lower	Upper
330	100		
332	99.6	76.7	115.1
141	25.7	17.8	26.8

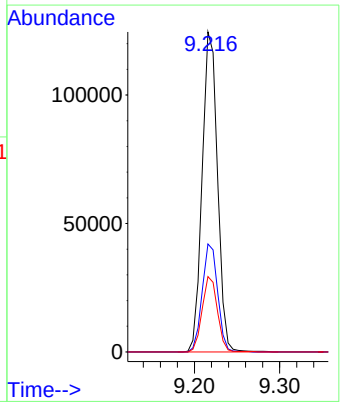


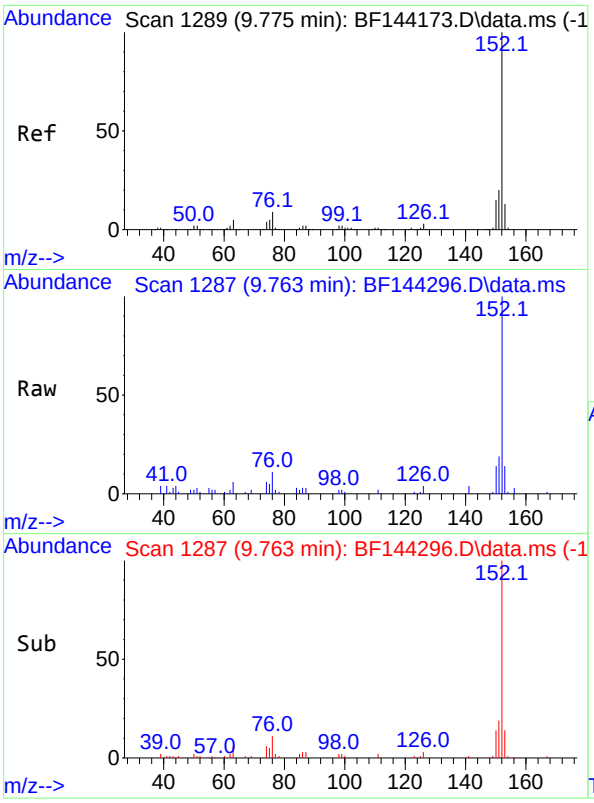


#45
2-Fluorobiphenyl
Concen: 34.271 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:172 Resp: 155815

Ion	Ratio	Lower	Upper
172	100		
171	33.7	28.1	42.1
170	23.6	18.6	28.0



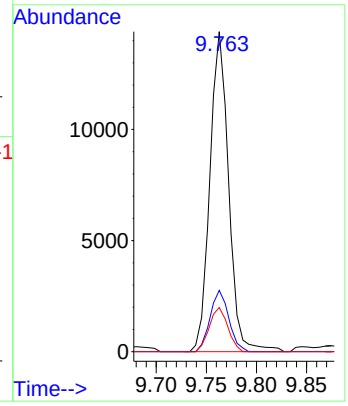


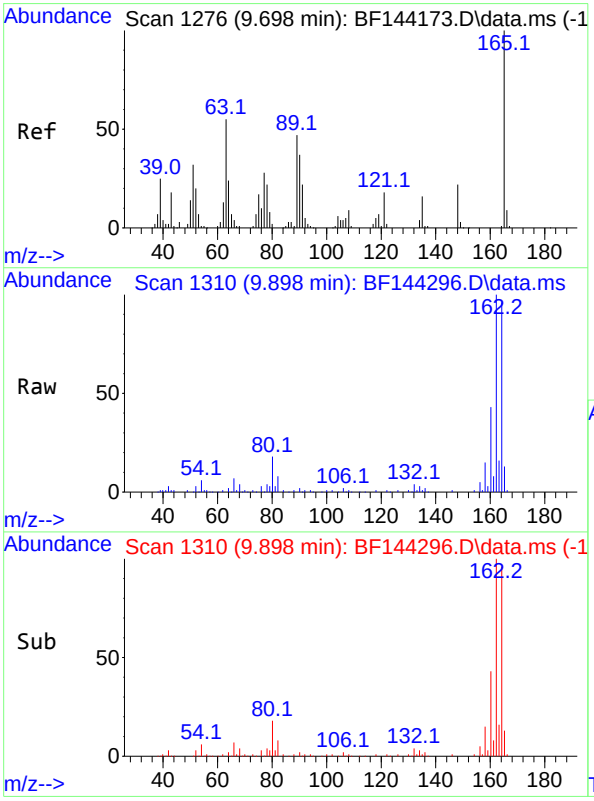
#49
Acenaphthylene
Concen: 3.449 ng
RT: 9.763 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 18793

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.9	23.9
153	13.8	10.5	15.7

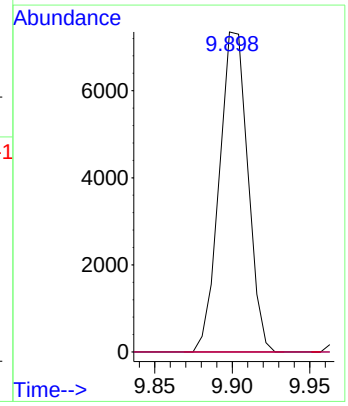


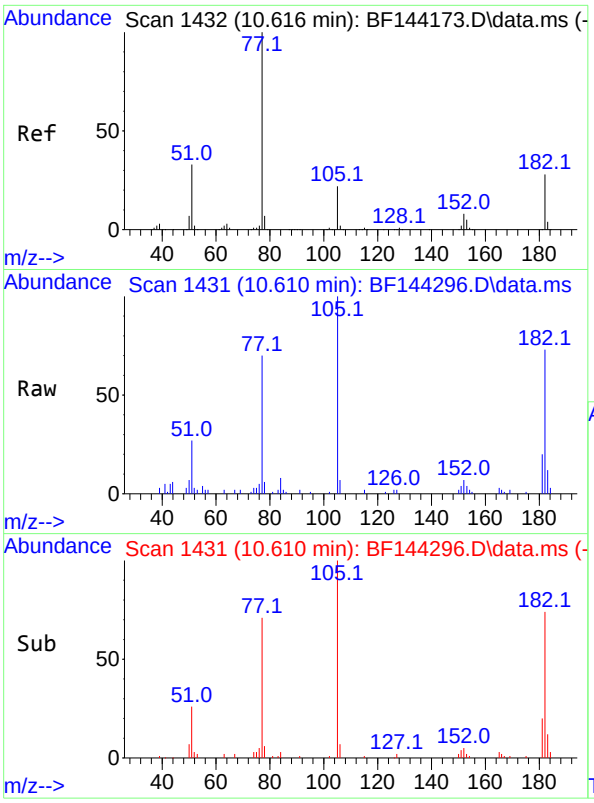


#51
2,6-Dinitrotoluene
Concen: 10.478 ng
RT: 9.898 min Scan# 1310
Delta R.T. 0.206 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:165 Resp: 9436

Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	37.5	56.3#



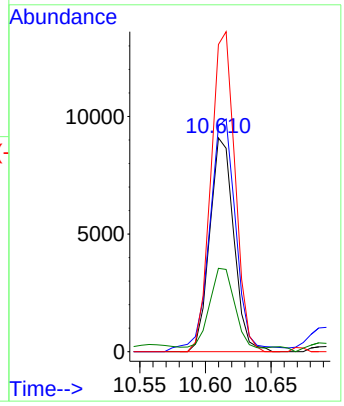


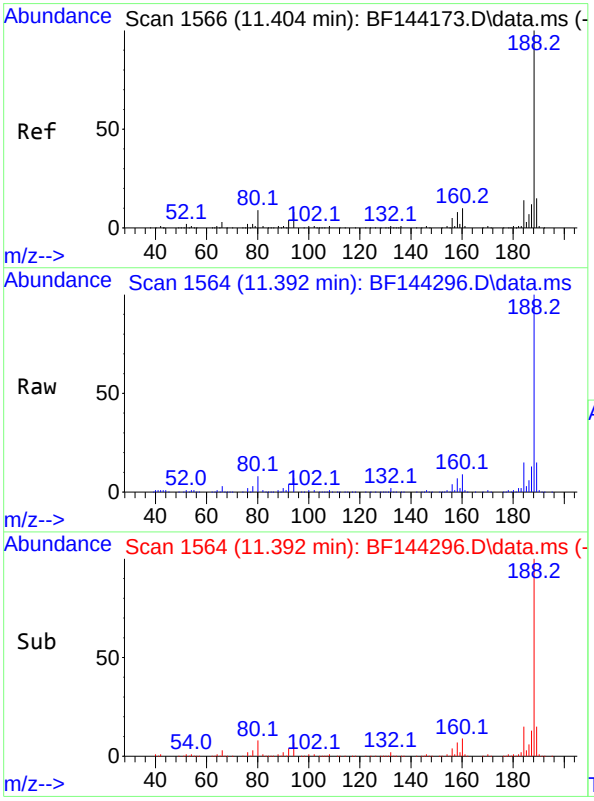
#63
Azobenzene
Concen: 3.030 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 77 Resp: 11566

Ion	Ratio	Lower	Upper
77	100		
182	105.4	8.1	48.1#
105	143.7	2.0	42.0#
51	39.0	13.9	53.9

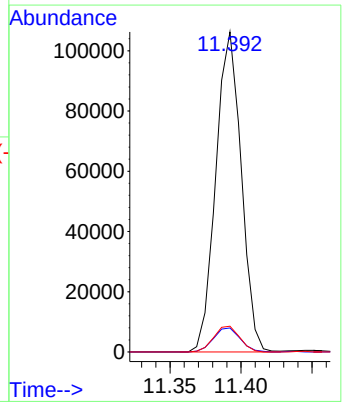


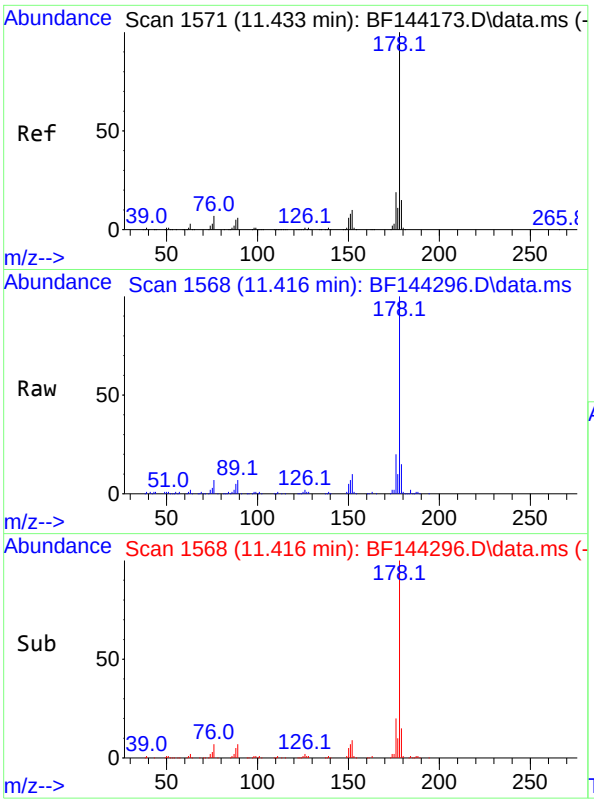


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:188 Resp: 132298

Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.2	9.2
80	8.0	6.9	10.3



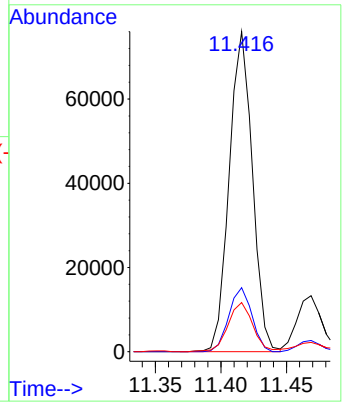


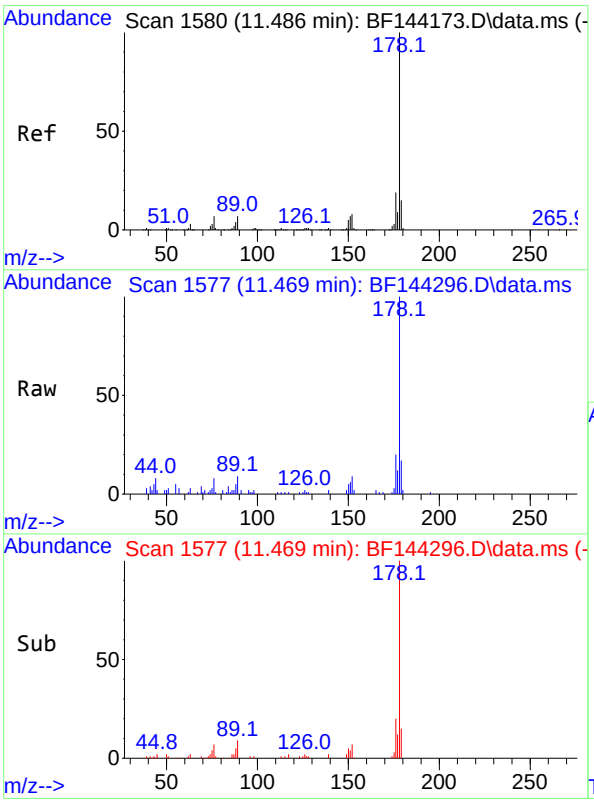
#71
Phenanthrene
Concen: 14.174 ng
RT: 11.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 93364

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.5	23.3
179	15.4	12.2	18.4

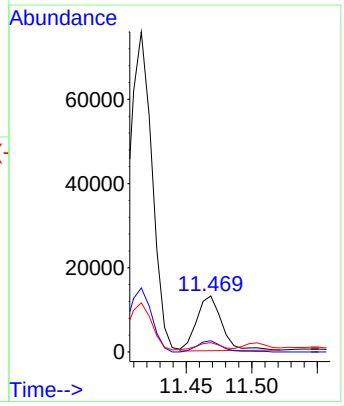


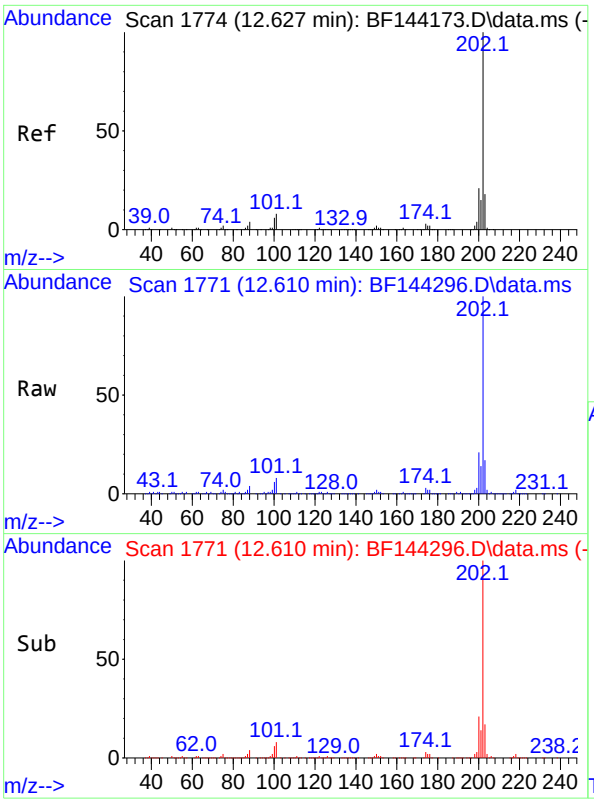


#72
Anthracene
Concen: 2.578 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:178 Resp: 17264

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.3	22.9
179	16.7	12.0	18.0



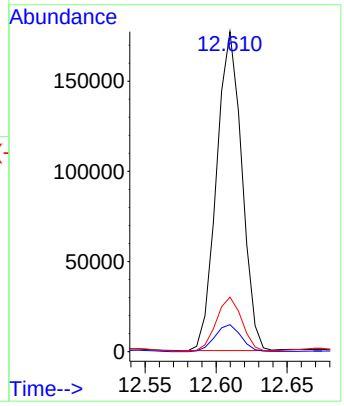


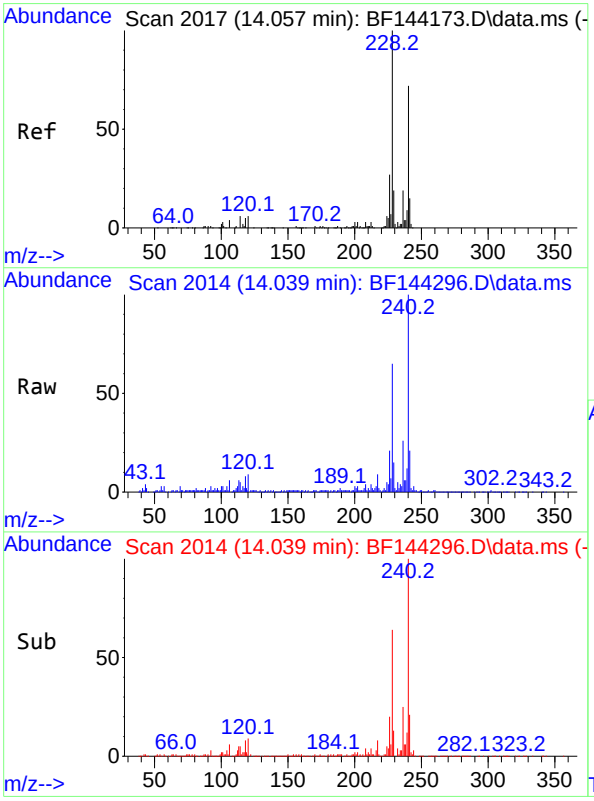
#75
Fluoranthene
Concen: 32.193 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 219050

Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	27.9
203	17.0	0.0	37.5

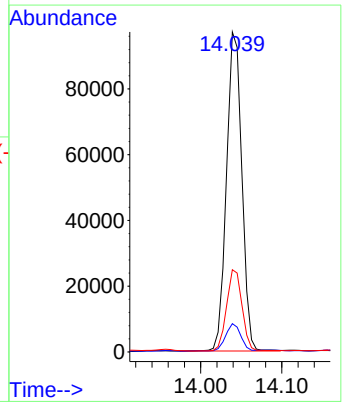


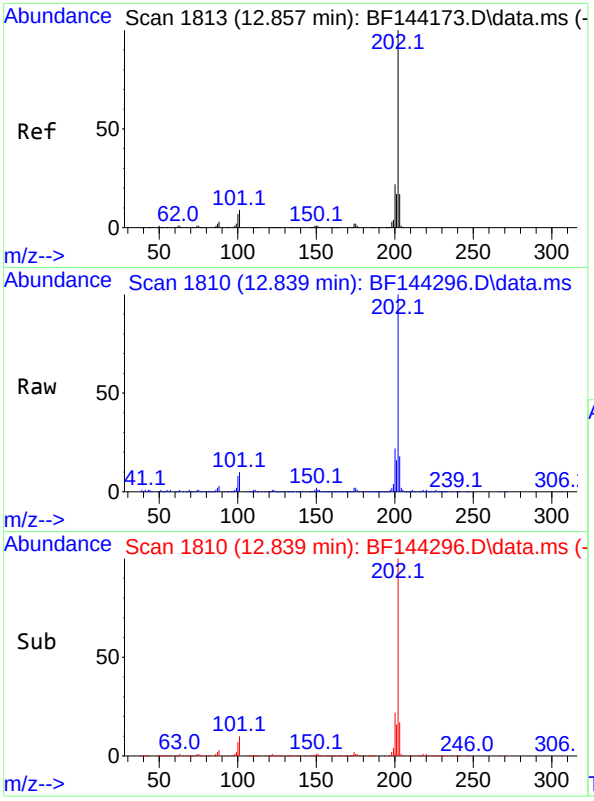


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:240 Resp: 127839

Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.6	10.0
236	25.7	21.4	32.2



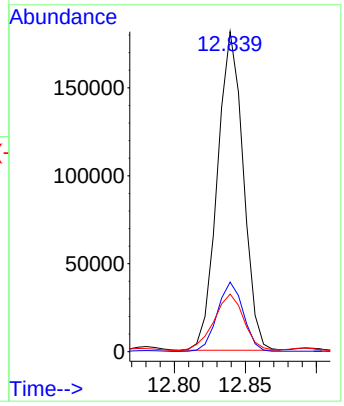


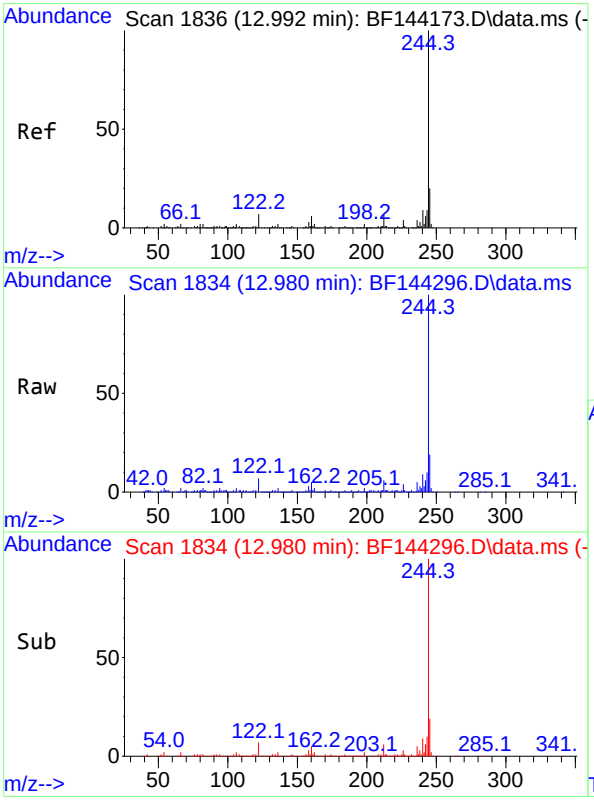
#78
Pyrene
Concen: 22.289 ng
RT: 12.839 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 229746

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.2	25.8
203	18.0	13.7	20.5

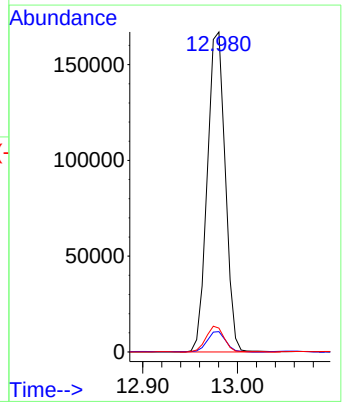


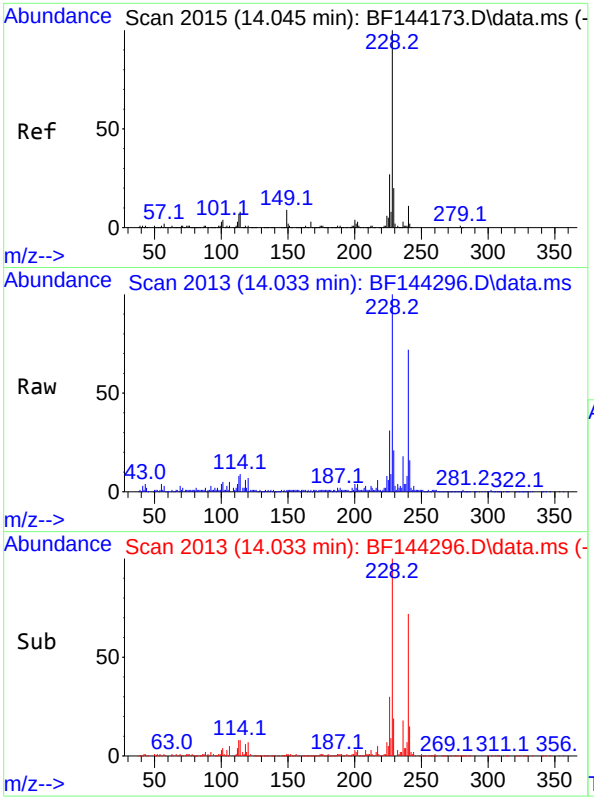


#79
Terphenyl-d14
Concen: 27.274 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:244 Resp: 219505

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	7.4	5.6	8.4



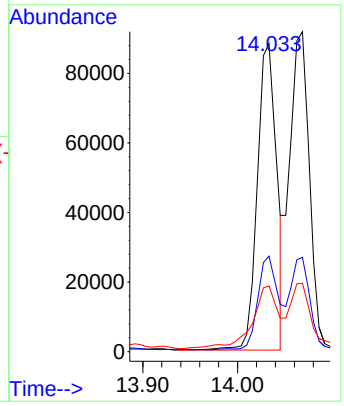


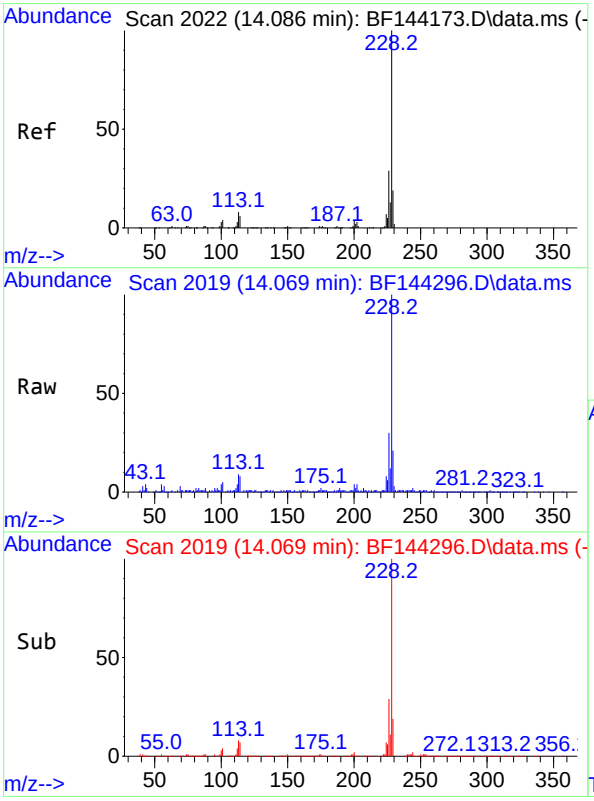
#81
Benzo(a)anthracene
Concen: 14.141 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 125294

Ion	Ratio	Lower	Upper
228	100		
226	31.0	21.8	32.8
229	21.4	15.8	23.6

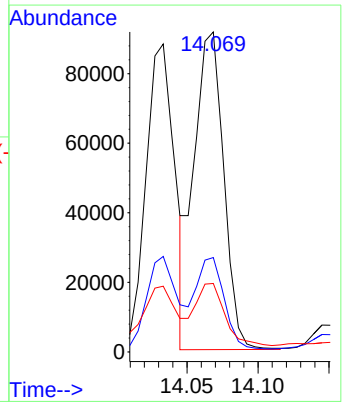


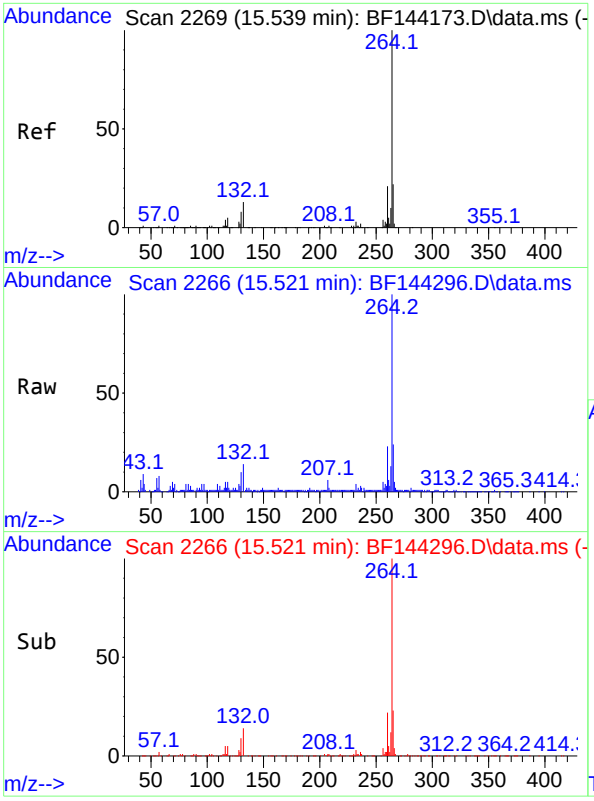


#83
Chrysene
Concen: 16.206 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:228 Resp: 132554

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.9	34.3
229	21.4	15.0	22.6



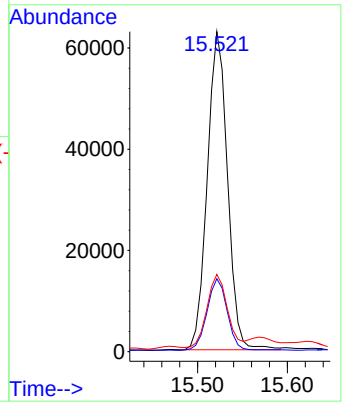


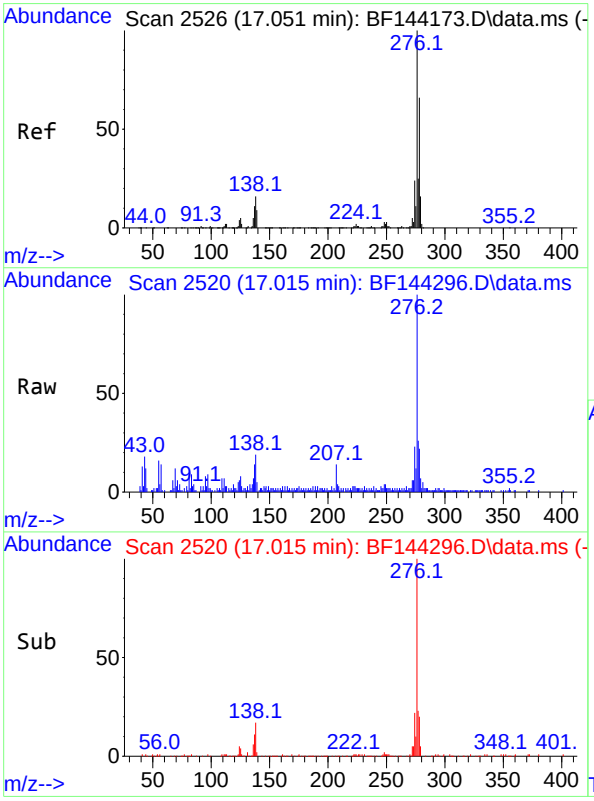
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 98400

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.1	25.7
265	24.2	17.4	26.0

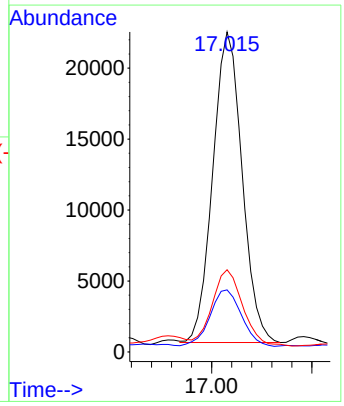


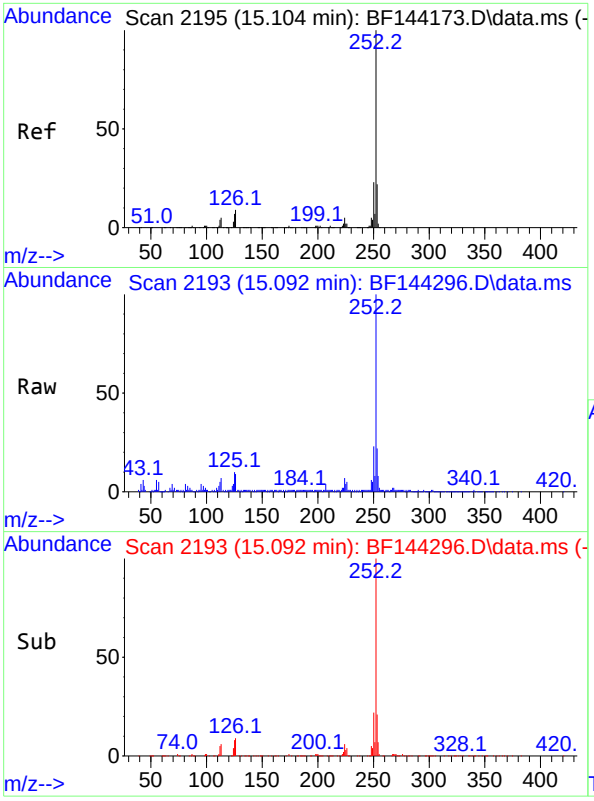


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.281 ng
RT: 17.015 min Scan# 2520
Delta R.T. -0.018 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:276 Resp: 44368

Ion	Ratio	Lower	Upper
276	100		
138	19.5	13.9	20.9
277	25.5	19.8	29.6



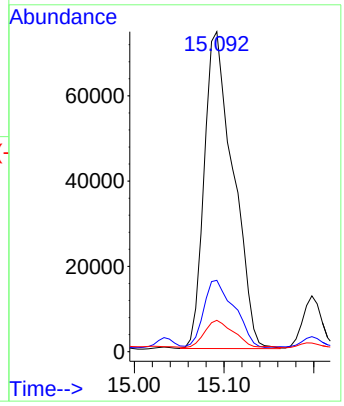


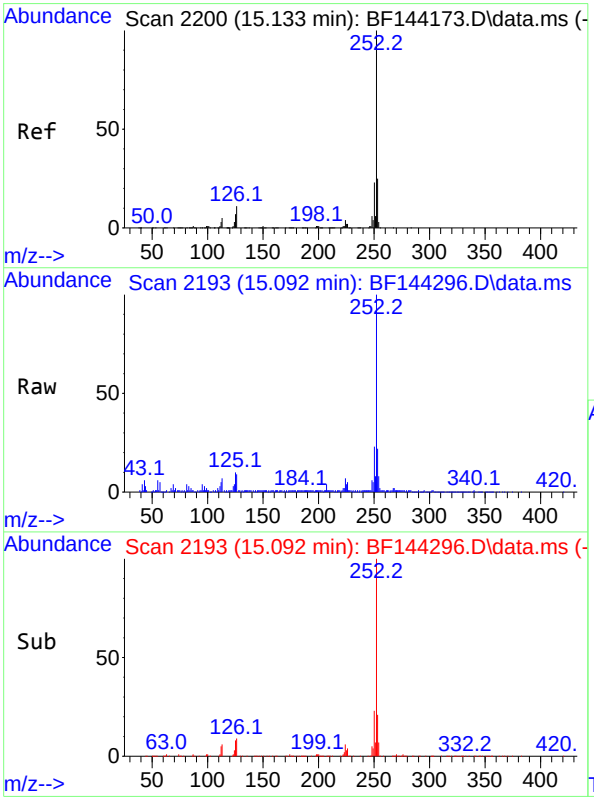
#88
Benzo(b)fluoranthene
Concen: 29.812 ng
RT: 15.092 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 166777

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	9.8	5.3	7.9#

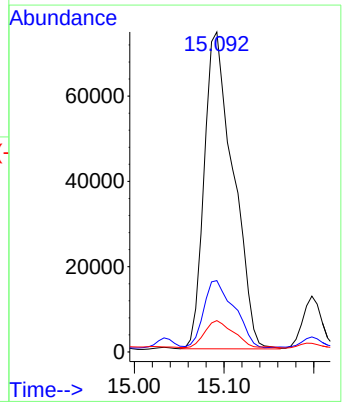


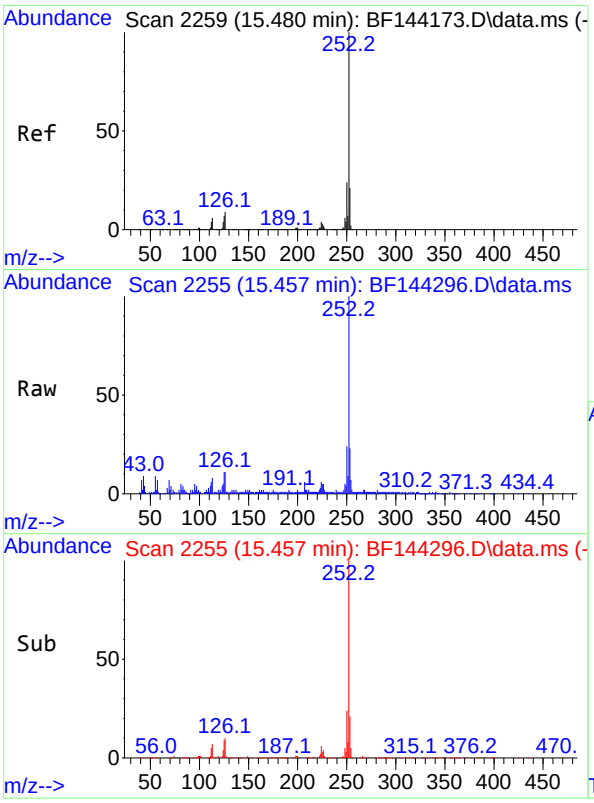


#89
Benzo(k)fluoranthene
Concen: 31.851 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.035 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:252 Resp: 166777

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	9.8	5.4	8.2#



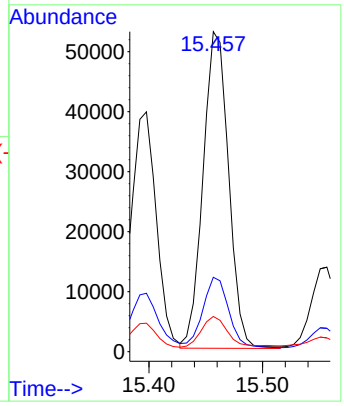


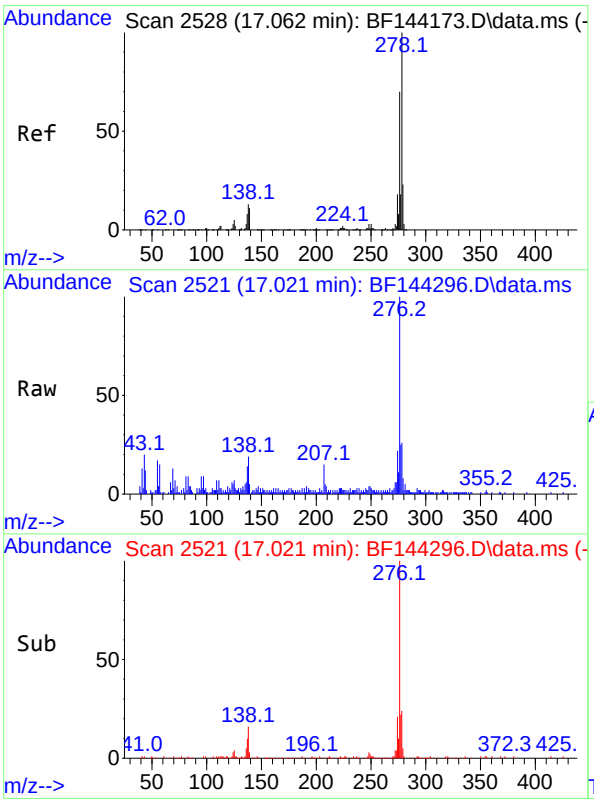
#90
Benzo(a)pyrene
Concen: 15.974 ng
RT: 15.457 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 82438

Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.7	25.1
125	11.0	5.7	8.5#

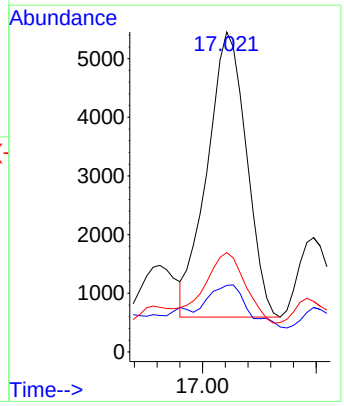


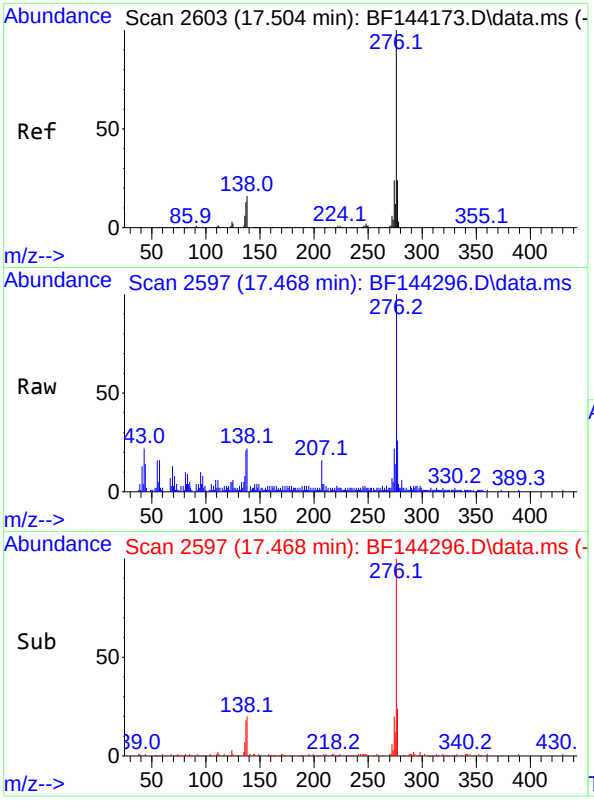


#91
Dibenzo(a,h)anthracene
Concen: 2.057 ng
RT: 17.021 min Scan# 2521
Delta R.T. -0.029 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:278 Resp: 11667

Ion	Ratio	Lower	Upper
278	100		
139	20.8	9.1	13.7#
279	31.1	18.2	27.4#





#92
Benzo(g,h,i)perylene
Concen: 8.160 ng
RT: 17.468 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 45713

Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.0	28.4
138	21.8	12.9	19.3#