Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100225\
Data File : BF143873.D
Acq On : 02 Oct 2025 23:59
Operator : RC/JU
Sample : Q3249-12 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 03 01:31:47 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	91464	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	332413	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	170680	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	305129	20.000	ng	0.00
76) Chrysene-d12	14.057	240	373313	20.000	ng	0.00
86) Perylene-d12	15.539	264	483403	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	77287	13.729	ng	0.00
7) Phenol-d6	6.498	99	90501	13.913	ng	-0.01
23) Nitrobenzene-d5	7.440	82	52039	9.583	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	20553	8.133	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	112746	10.308	ng	0.00
79) Terphenyl-d14	12.992	244	154856	8.436	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.440	82	50268	4.750	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	22938	13.420	ng	# 17
52) Acenaphthene	9.951	154	36504	4.052	ng	97
57) 2,4-Dinitrotoluene	10.081	165	1456	3.459	ng	# 46
58) Fluorene	10.469	166	40698	4.297	ng	98
71) Phenanthrene	11.433	178	751034	47.943	ng	100
72) Anthracene	11.486	178	144072	9.169	ng	98
73) Carbazole	11.639	167	40761	2.967	ng	98
75) Fluoranthene	12.627	202	798686	50.692	ng	99
78) Pyrene	12.857	202	951143	51.823	ng	98
81) Benzo(a)anthracene	14.045	228	612638	30.548	ng	97
83) Chrysene	14.080	228	586406	32.314	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	239018	6.517	ng	96
88) Benzo(b)fluoranthene	15.104	252	910372	36.981	ng	# 98
89) Benzo(k)fluoranthene	15.104	252	910372	36.809	ng	# 98
90) Benzo(a)pyrene	15.474	252	569337	24.604	ng	98
91) Dibenzo(a,h)anthracene	17.039	278	73932	2.464	ng	# 94
92) Benzo(g,h,i)perylene	17.474	276	227804	7.878	ng	# 96

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

Quantitation Report (Not Reviewed)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
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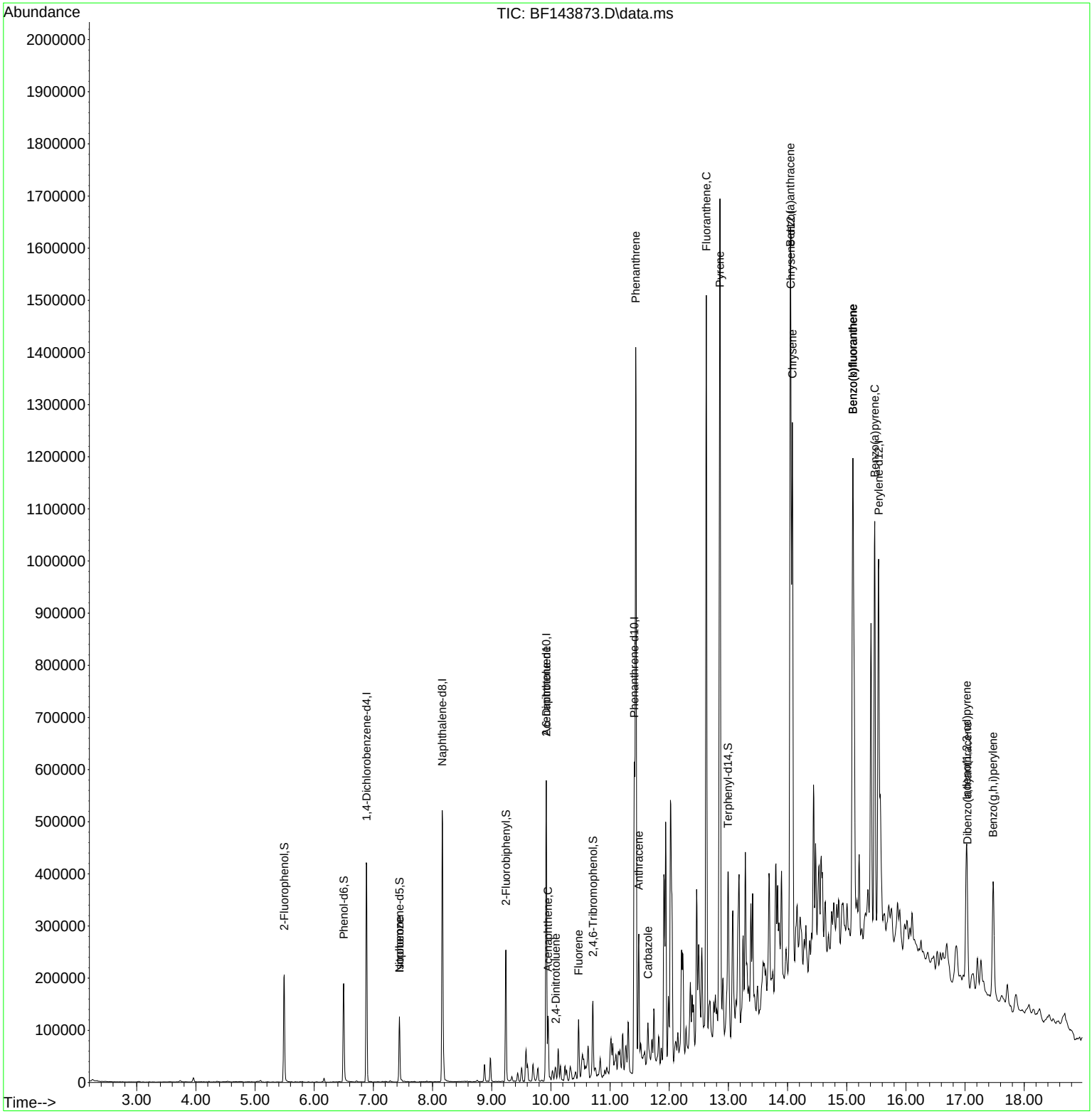
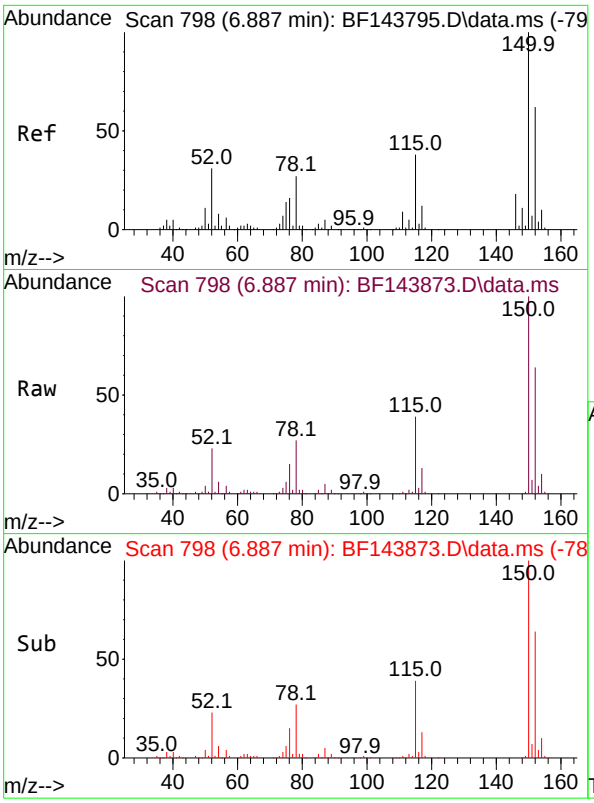


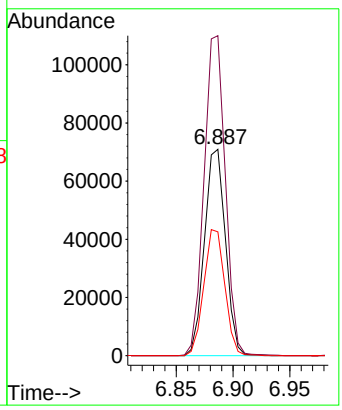


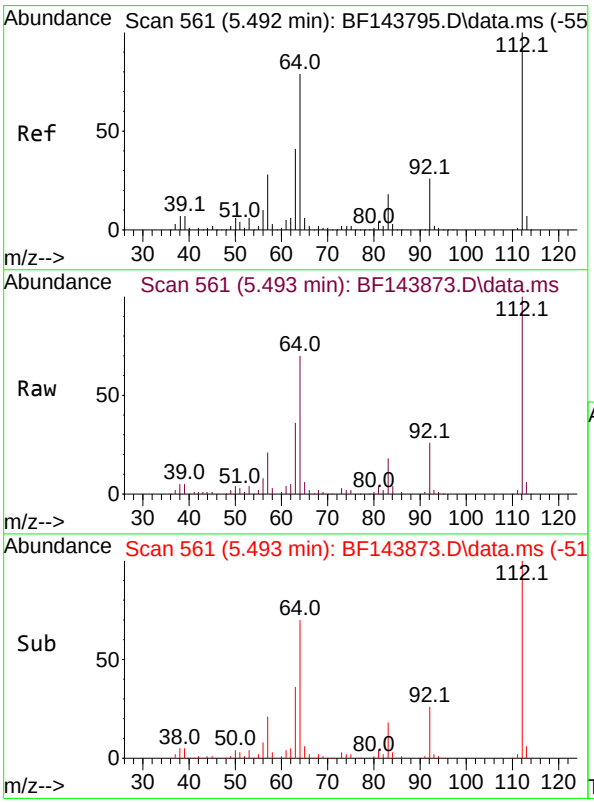
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 91464

Ion	Ratio	Lower	Upper
152	100		
150	155.0	129.6	194.4
115	60.0	49.0	73.4

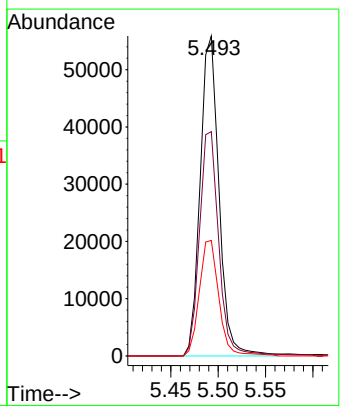


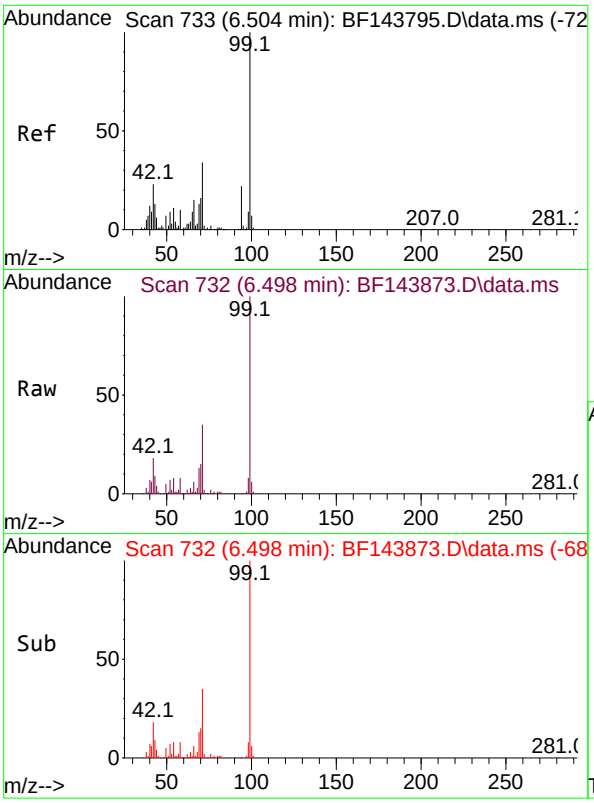


#5
2-Fluorophenol
Concen: 13.729 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.005 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Tgt Ion:112 Resp: 77287

Ion	Ratio	Lower	Upper
112	100		
64	70.1	63.0	94.4
63	36.1	32.6	49.0



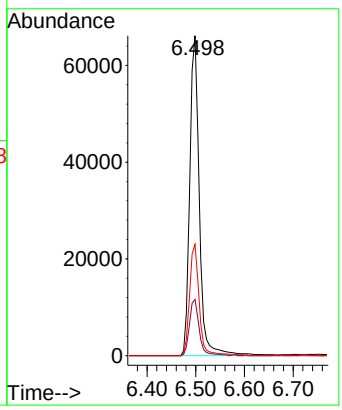


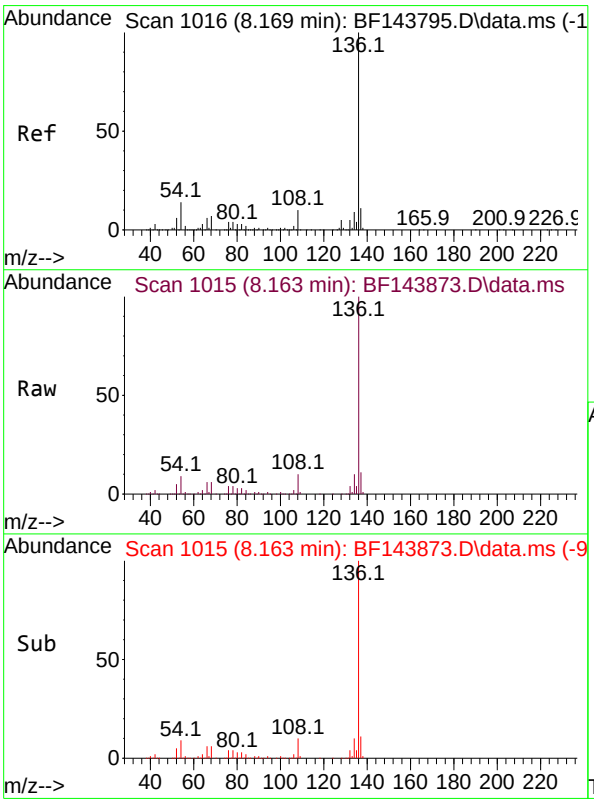
#7
Phenol-d6
Concen: 13.913 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 90501

Ion	Ratio	Lower	Upper
99	100		
42	17.5	18.6	28.0#
71	34.8	27.0	40.4

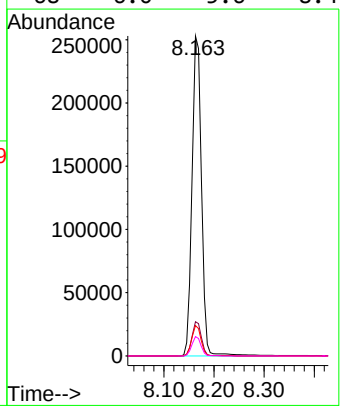


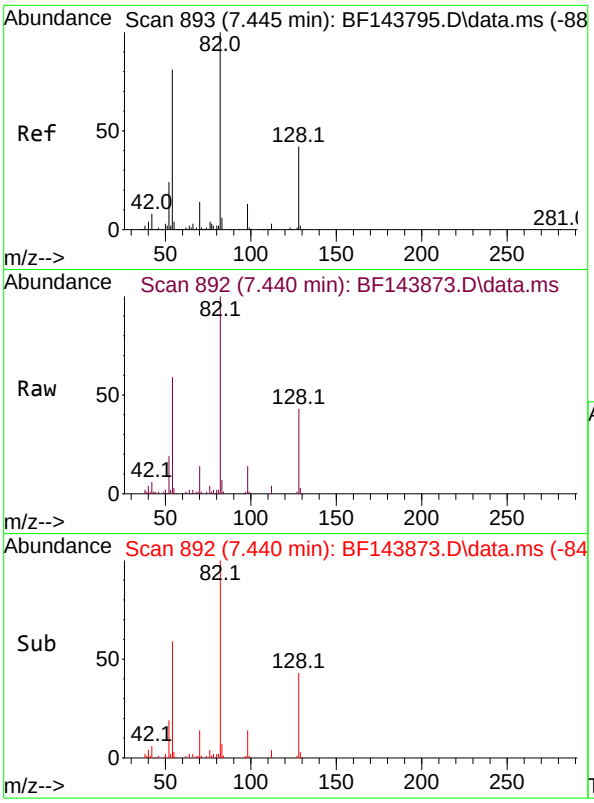


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Tgt Ion:136 Resp: 332413

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	9.5	11.2	16.8#
68	6.0	5.6	8.4



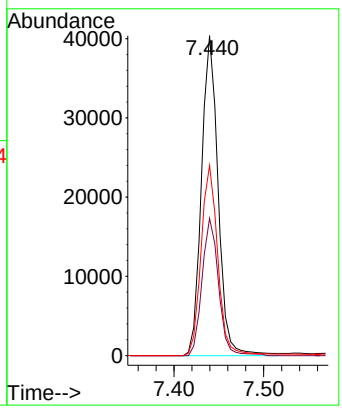


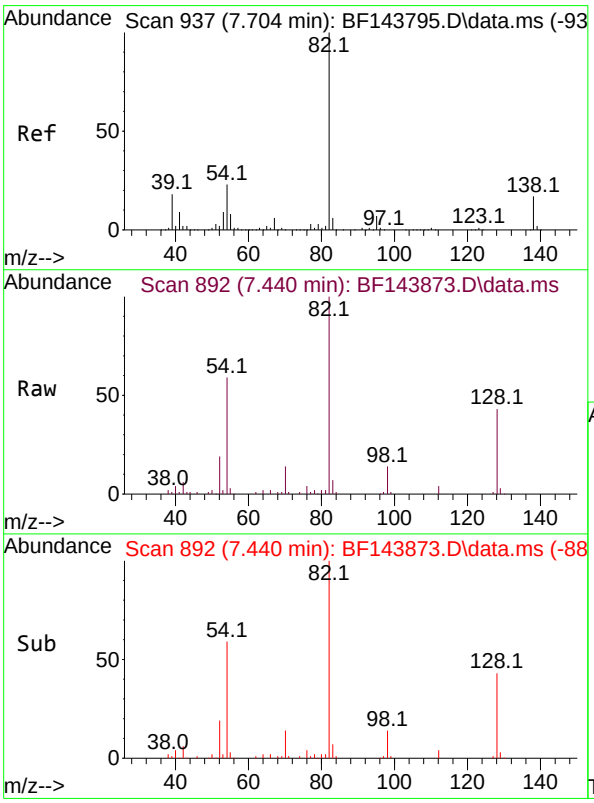
#23
Nitrobenzene-d5
Concen: 9.583 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.011 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 52039

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.3	49.9
54	59.4	64.2	96.4#

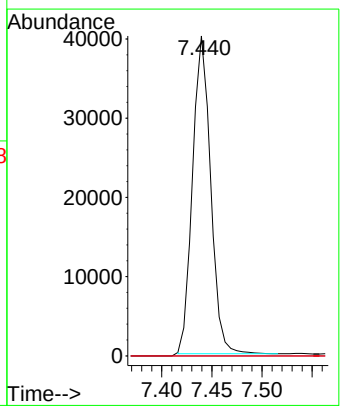


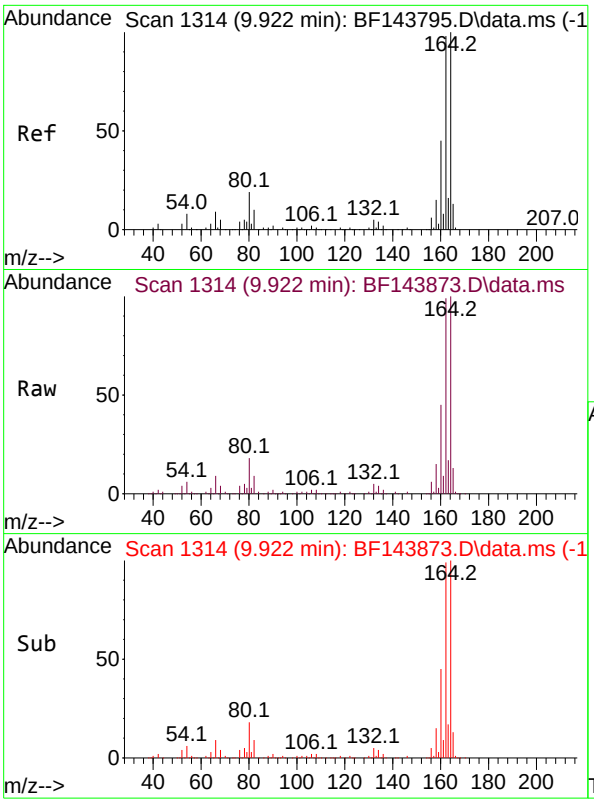


#25
Isophorone
Concen: 4.750 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.270 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Tgt Ion: 82 Resp: 50268

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	13.7	20.5#



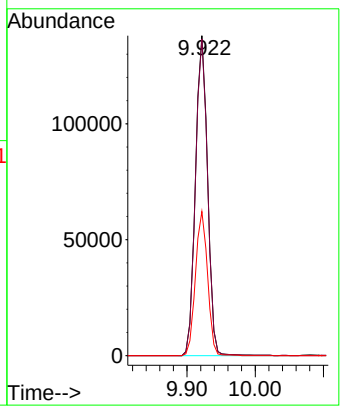


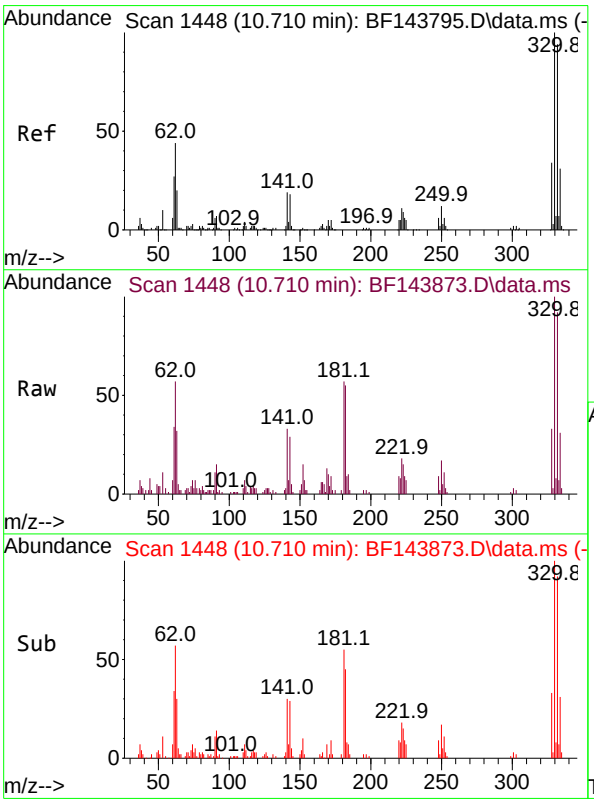
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 170680

Ion	Ratio	Lower	Upper
164	100		
162	99.0	78.8	118.2
160	45.0	35.8	53.6

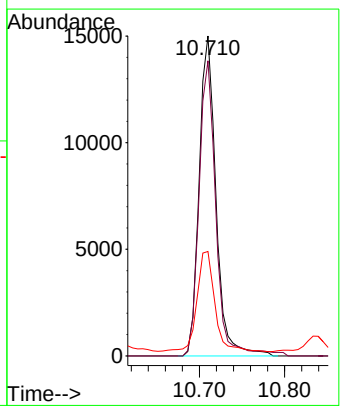


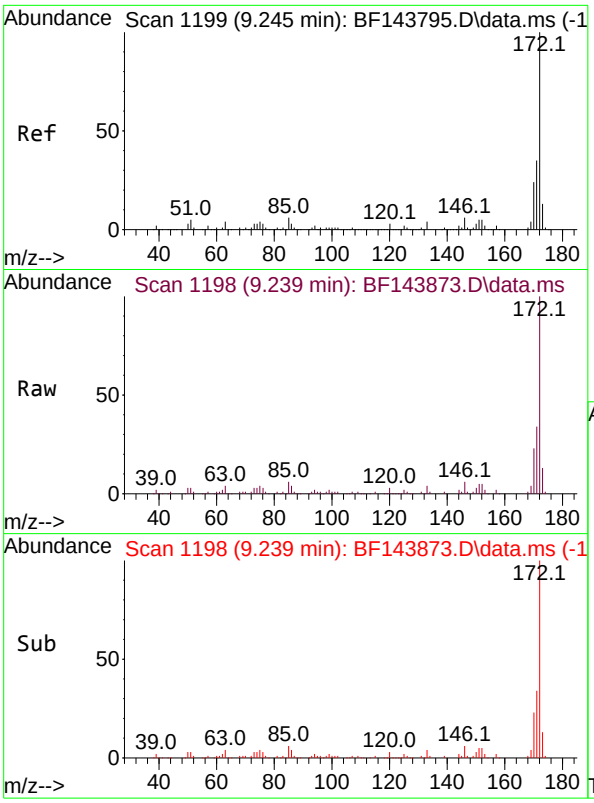


#42
2,4,6-Tribromophenol
Concen: 8.133 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Tgt Ion:330 Resp: 20553

Ion	Ratio	Lower	Upper
330	100		
332	92.7	74.7	112.1
141	36.2	14.3	21.5#



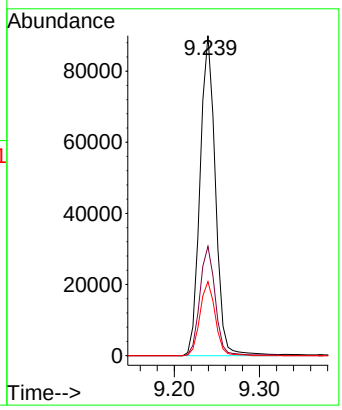


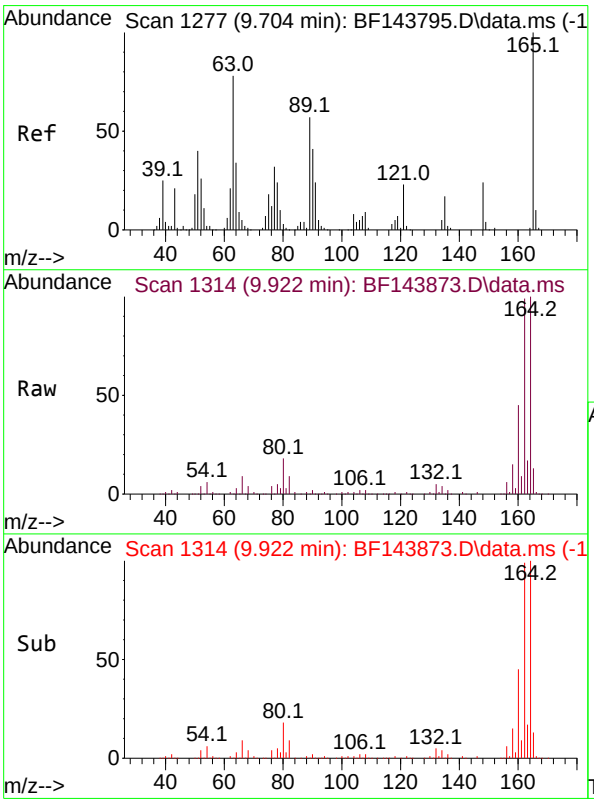
#45
2-Fluorobiphenyl
Concen: 10.308 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 112746

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.9	41.9
170	23.1	19.1	28.7

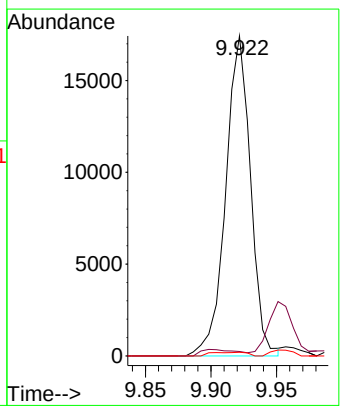


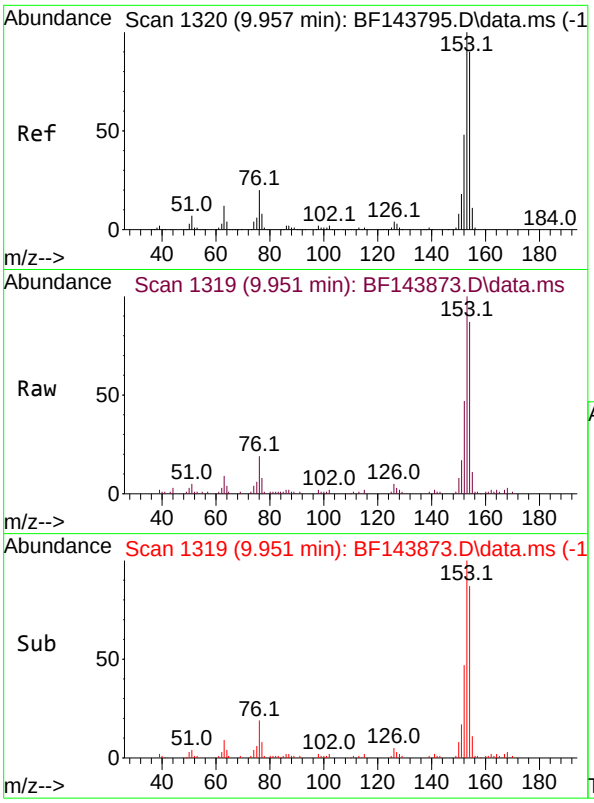


#51
2,6-Dinitrotoluene
Concen: 13.420 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.218 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Tgt Ion:165 Resp: 22938

Ion	Ratio	Lower	Upper
165	100		
63	1.4	62.6	94.0#
89	1.1	45.2	67.8#



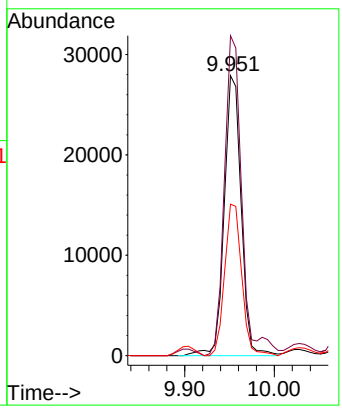


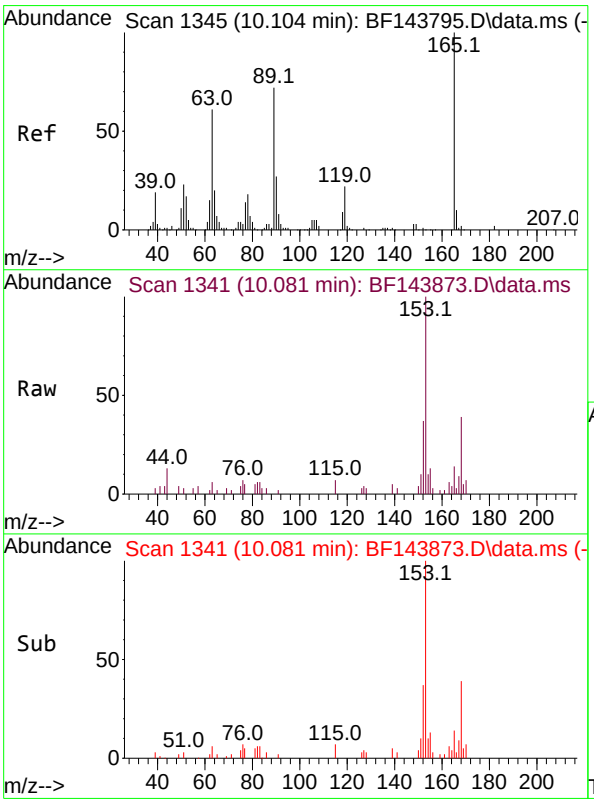
#52
Acenaphthene
Concen: 4.052 ng
RT: 9.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 36504

Ion	Ratio	Lower	Upper
154	100		
153	114.3	88.7	133.1
152	54.1	42.7	64.1

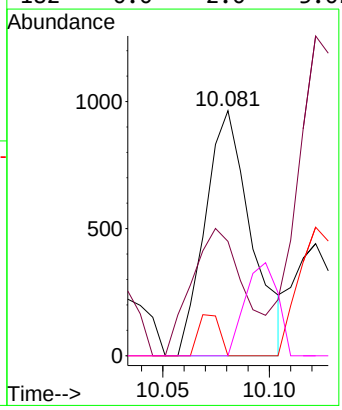


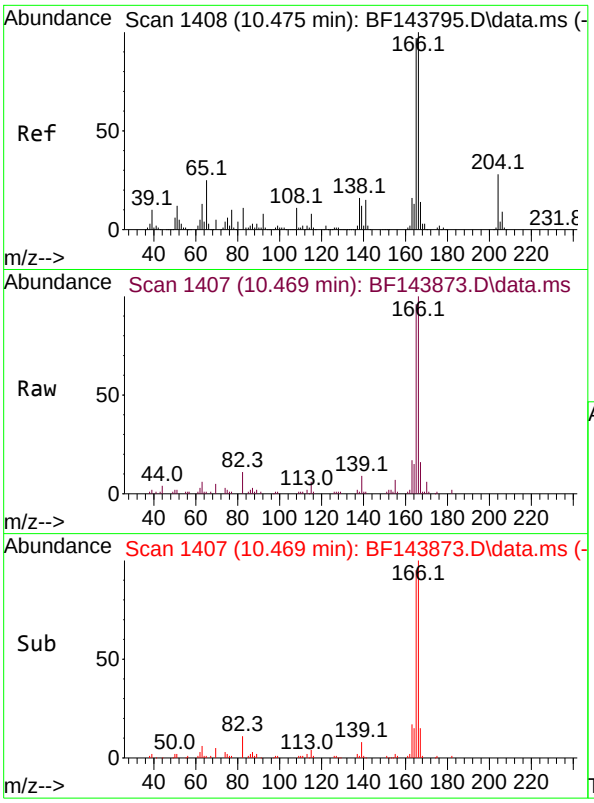


#57
2,4-Dinitrotoluene
Concen: 3.459 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.029 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Tgt Ion:165 Resp: 1456

Ion	Ratio	Lower	Upper
165	100		
63	46.7	48.9	73.3#
89	0.0	57.5	86.3#
182	0.0	2.0	3.0#



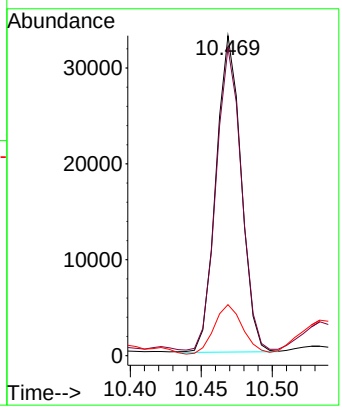


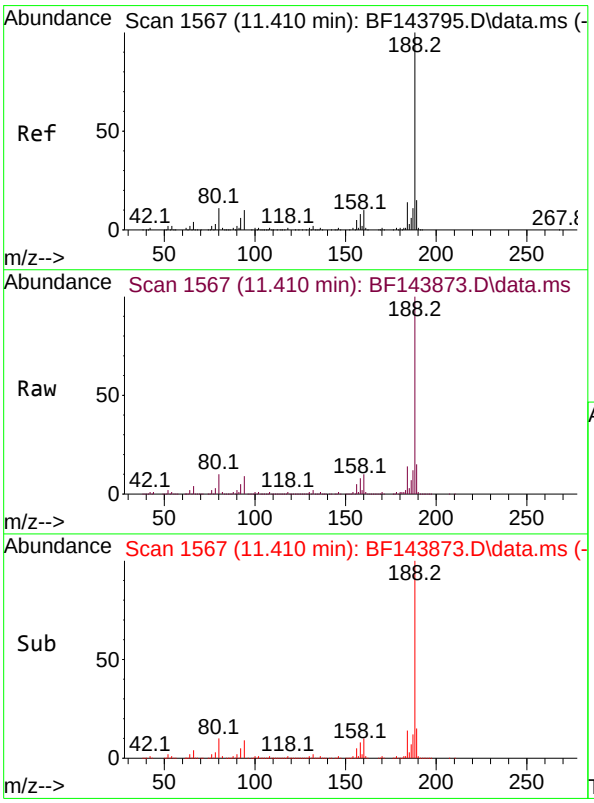
#58
Fluorene
Concen: 4.297 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 40698

Ion	Ratio	Lower	Upper
166	100		
165	96.2	78.0	117.0
167	15.9	10.9	16.3

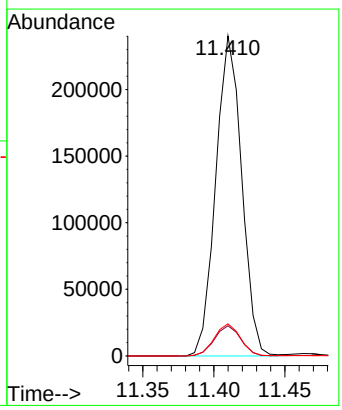


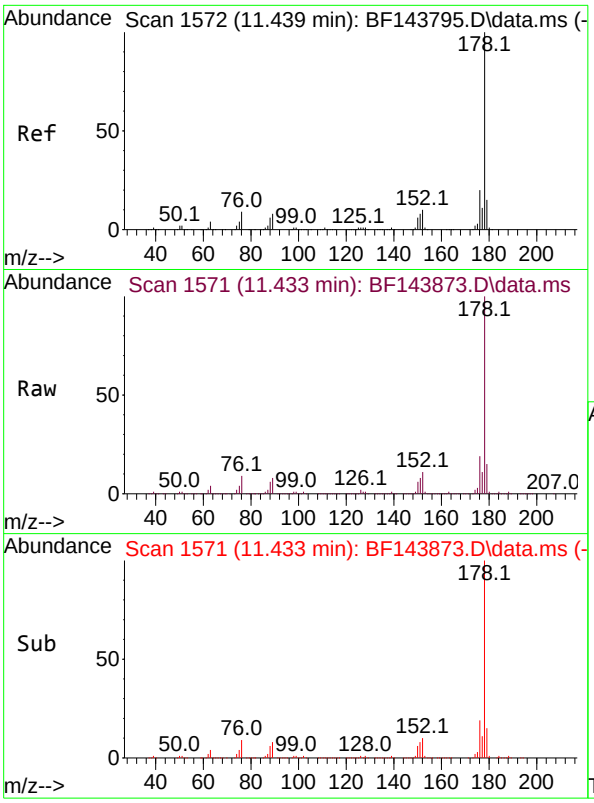


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Tgt Ion:188 Resp: 305129

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.2	12.2
80	10.0	8.6	12.8



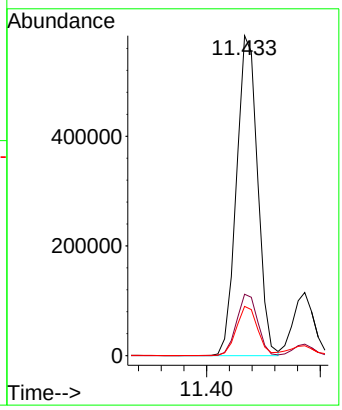


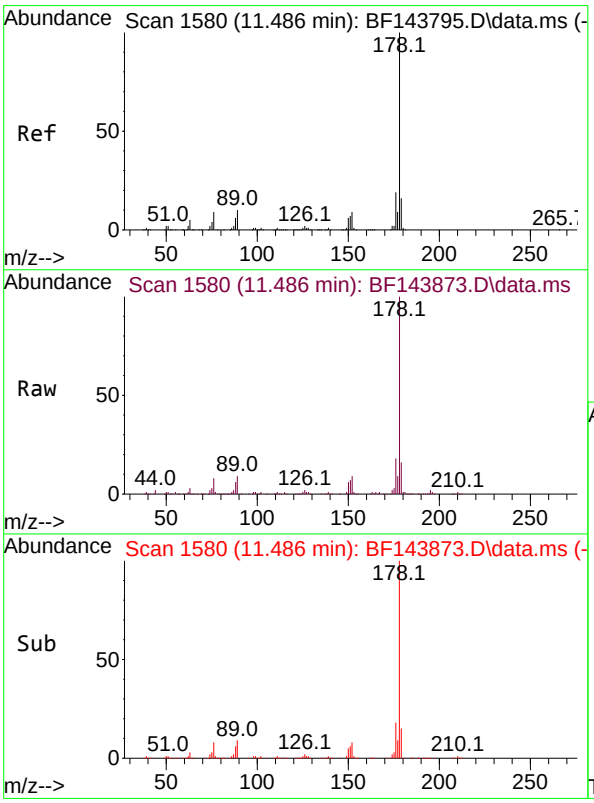
#71
Phenanthrene
Concen: 47.943 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 751034

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	15.4	12.2	18.4

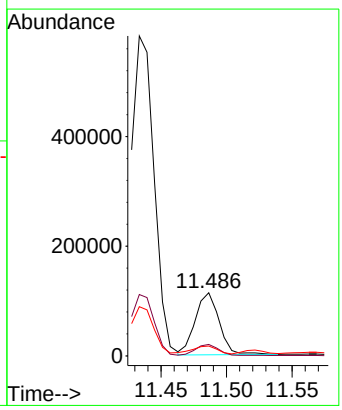


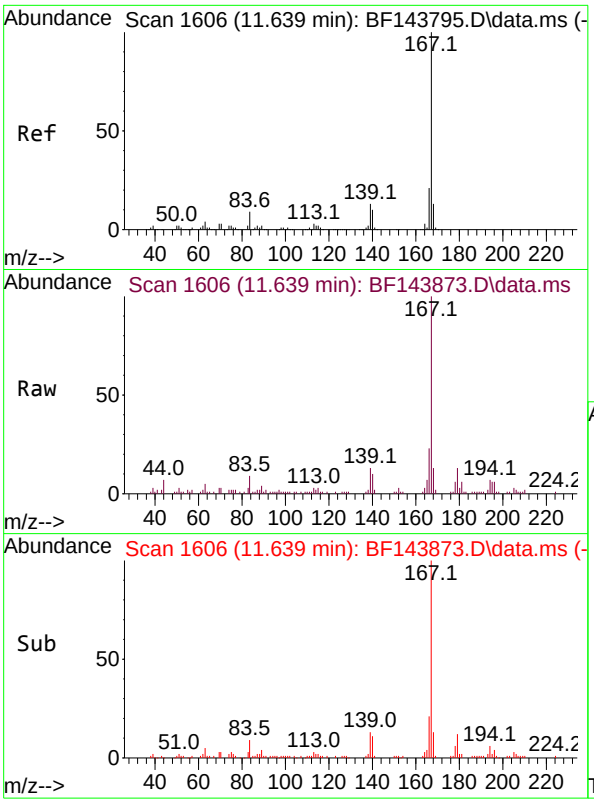


#72
Anthracene
Concen: 9.169 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Tgt Ion:178 Resp: 144072

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.3	22.9
179	15.6	12.8	19.2



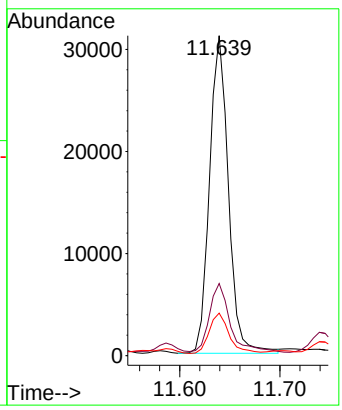


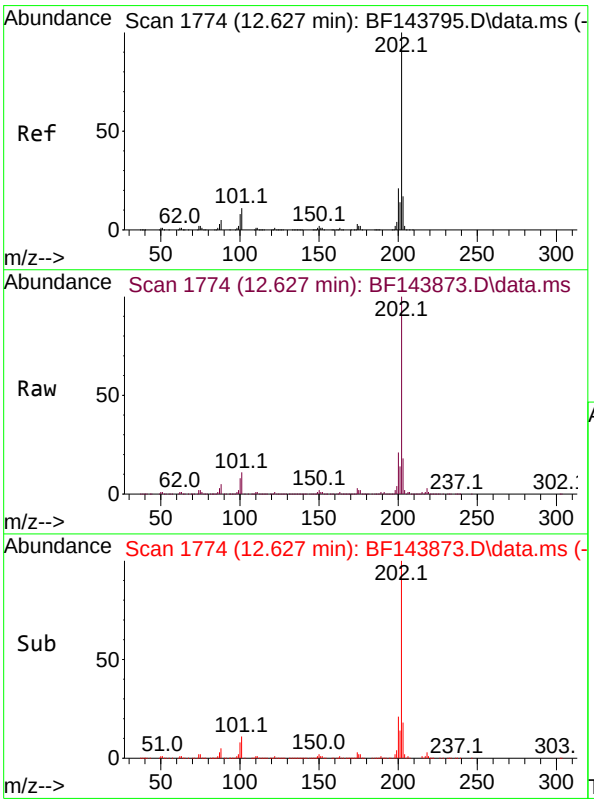
#73
Carbazole
Concen: 2.967 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 40761

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.0	25.4
139	13.3	10.6	15.8

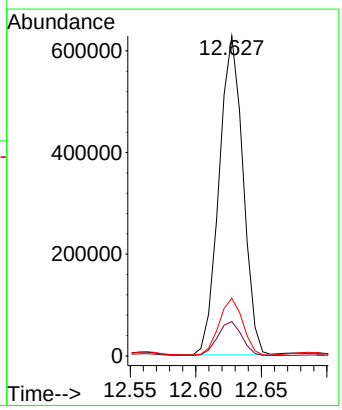


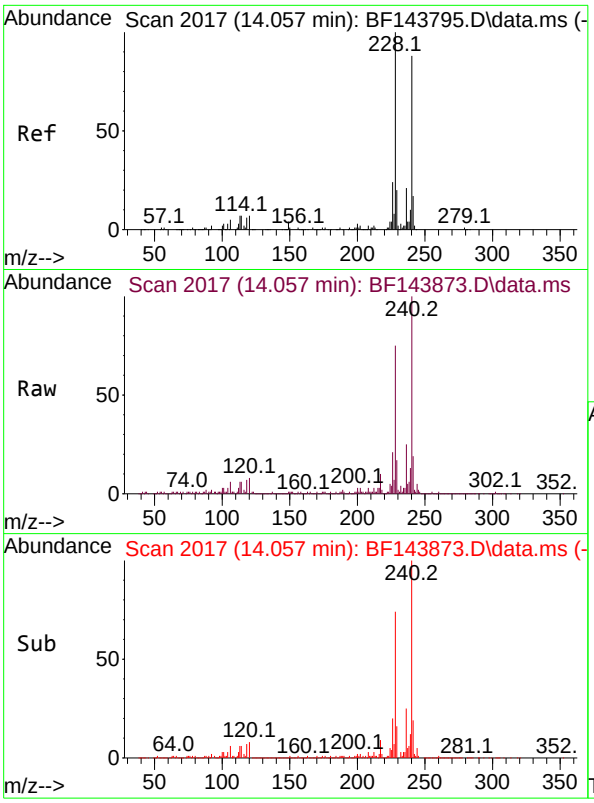


#75
Fluoranthene
Concen: 50.692 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Tgt Ion:202 Resp: 798686

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.1
203	18.0	0.0	37.4



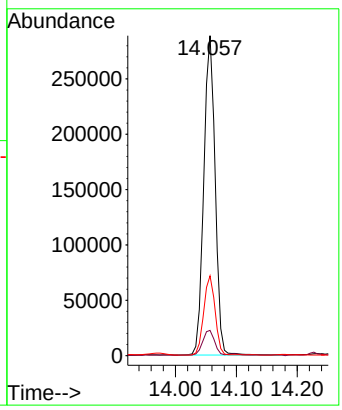


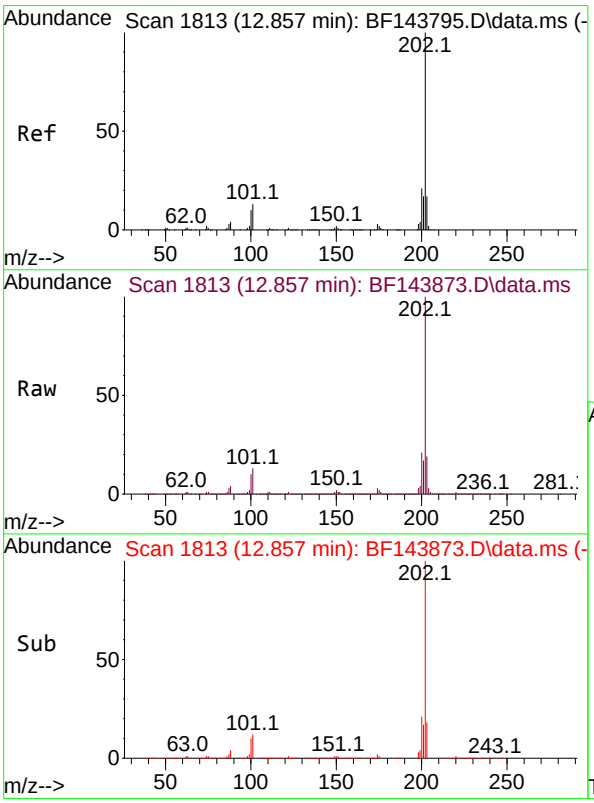
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 373313

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.2	9.4
236	24.9	19.4	29.2

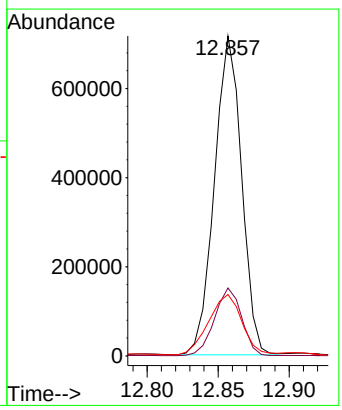


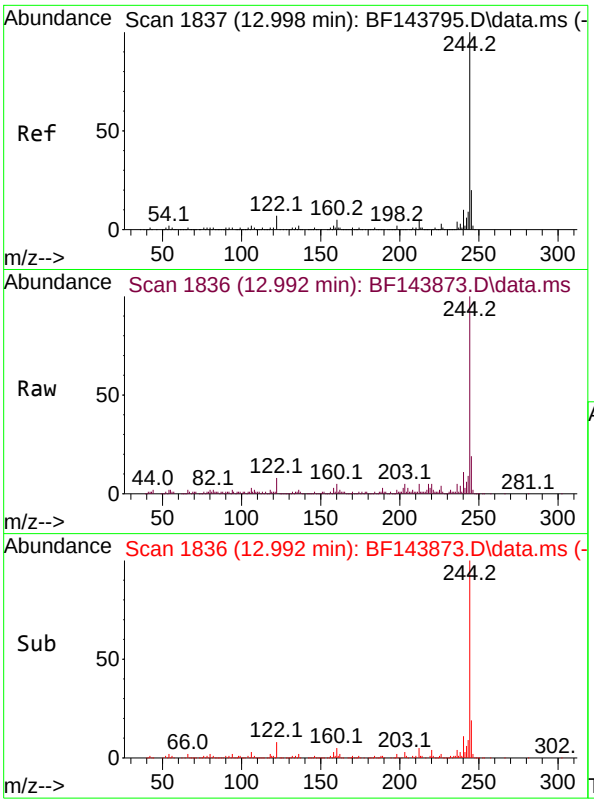


#78
Pyrene
Concen: 51.823 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Tgt Ion:202 Resp: 951143

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	19.2	13.9	20.9



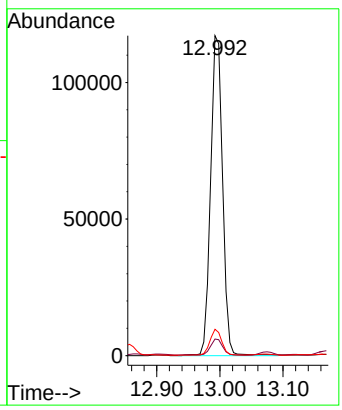


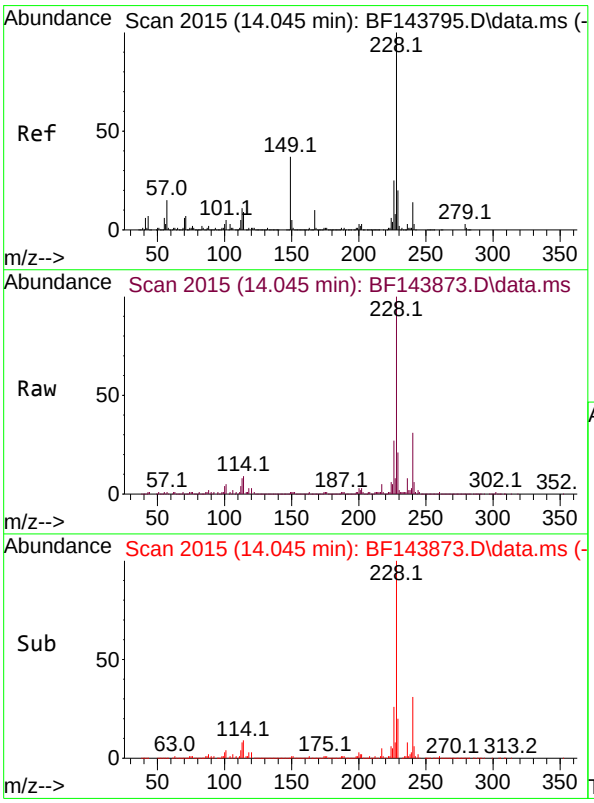
#79
Terphenyl-d14
Concen: 8.436 ng
RT: 12.992 min Scan# 18
Delta R.T. -0.012 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 154856

Ion	Ratio	Lower	Upper
244	100		
212	5.2	3.9	5.9
122	8.2	5.6	8.4

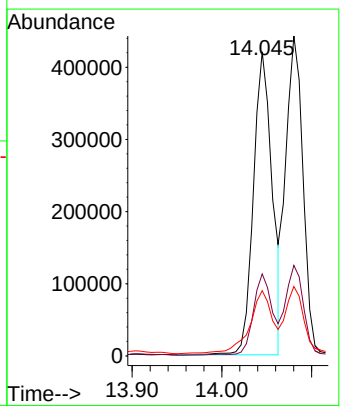


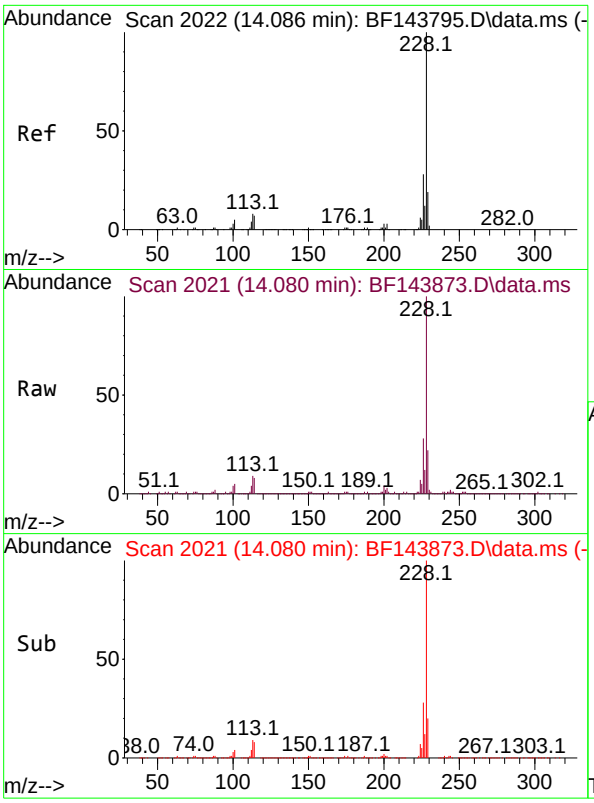


#81
Benzo(a)anthracene
Concen: 30.548 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Tgt Ion:228 Resp: 612638

Ion	Ratio	Lower	Upper
228	100		
226	27.0	20.2	30.2
229	21.5	16.1	24.1



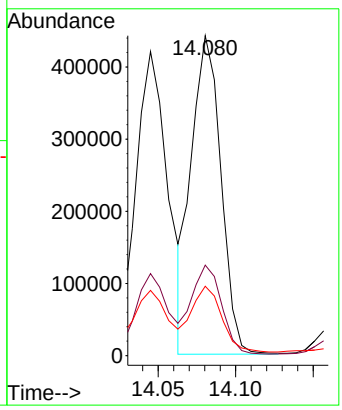


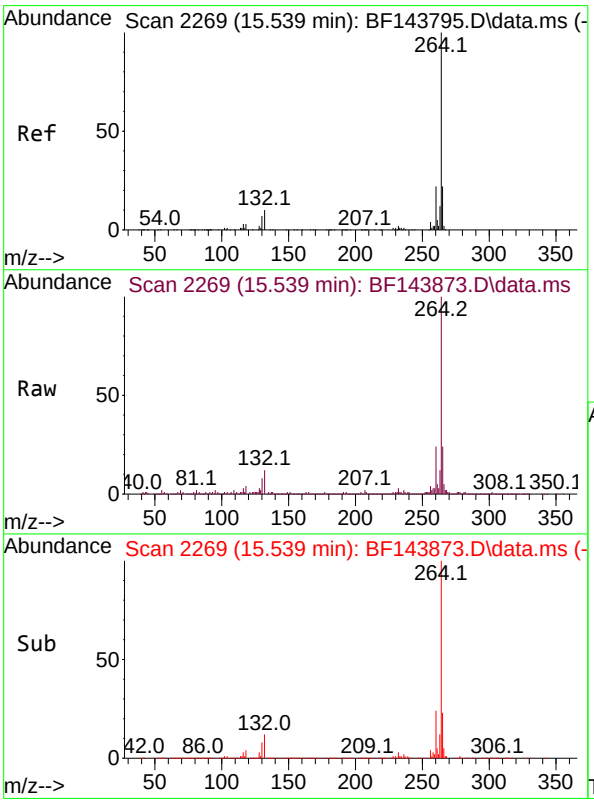
#83
Chrysene
Concen: 32.314 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 586406

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.7	15.6	23.4

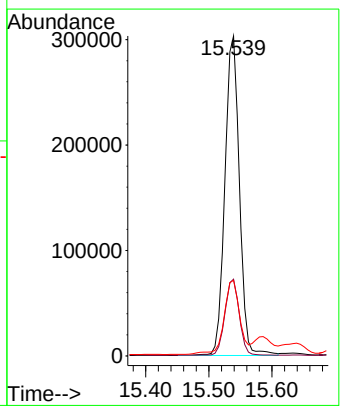


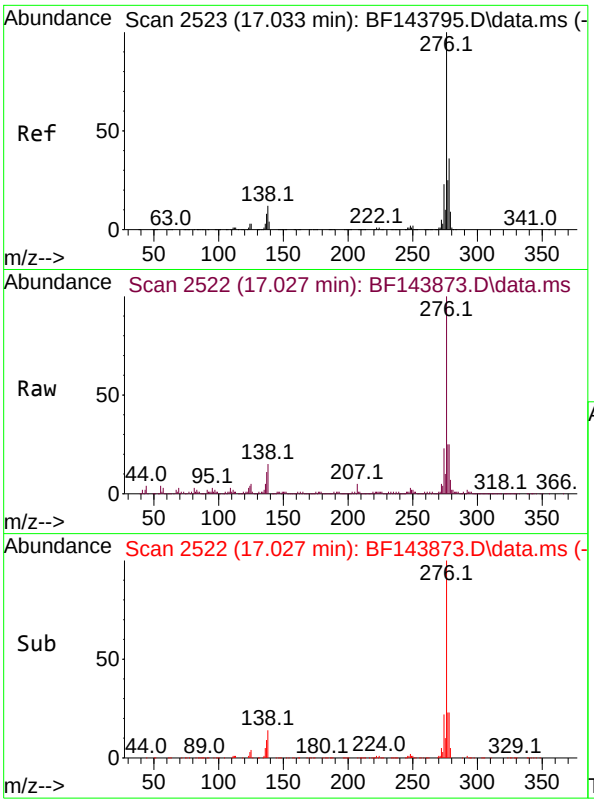


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Tgt Ion:264 Resp: 483403

Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.9	26.9
265	23.6	17.7	26.5



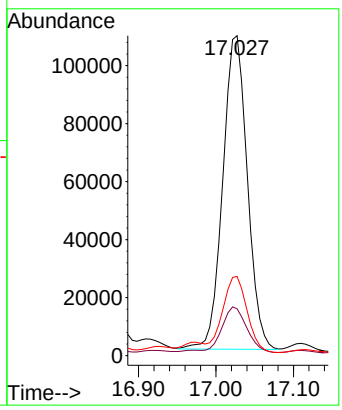


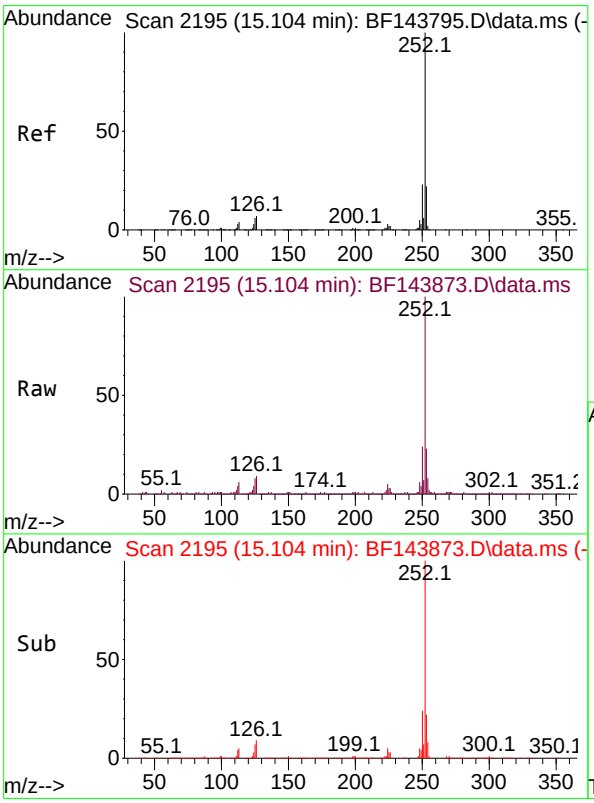
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.517 ng
RT: 17.027 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 239018

Ion	Ratio	Lower	Upper
276	100		
138	15.3	10.6	15.8
277	24.3	20.7	31.1

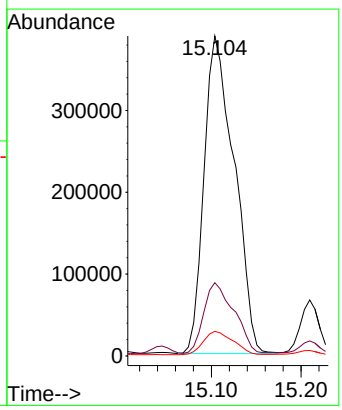


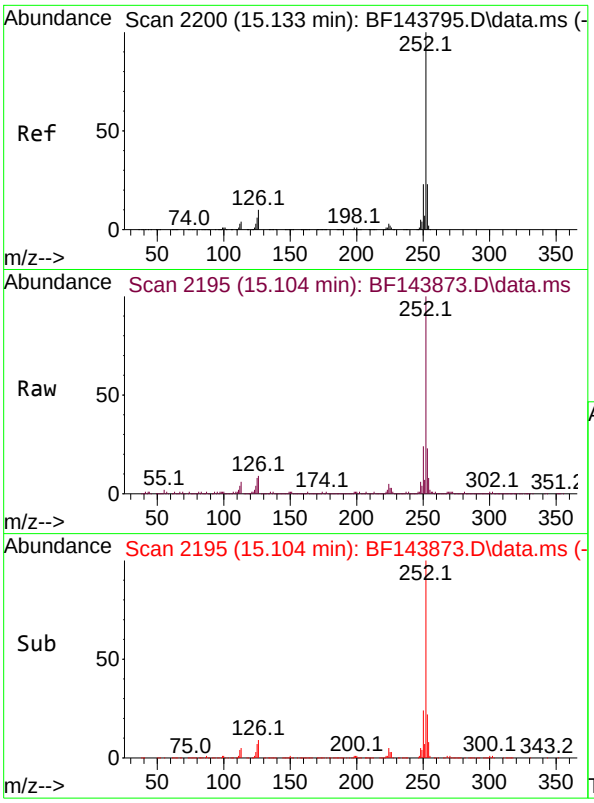


#88
Benzo(b)fluoranthene
Concen: 36.981 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Tgt Ion:252 Resp: 910372

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	7.7	4.4	6.6#



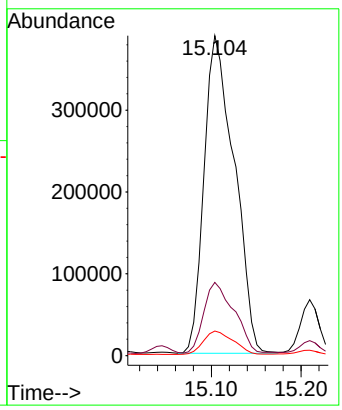


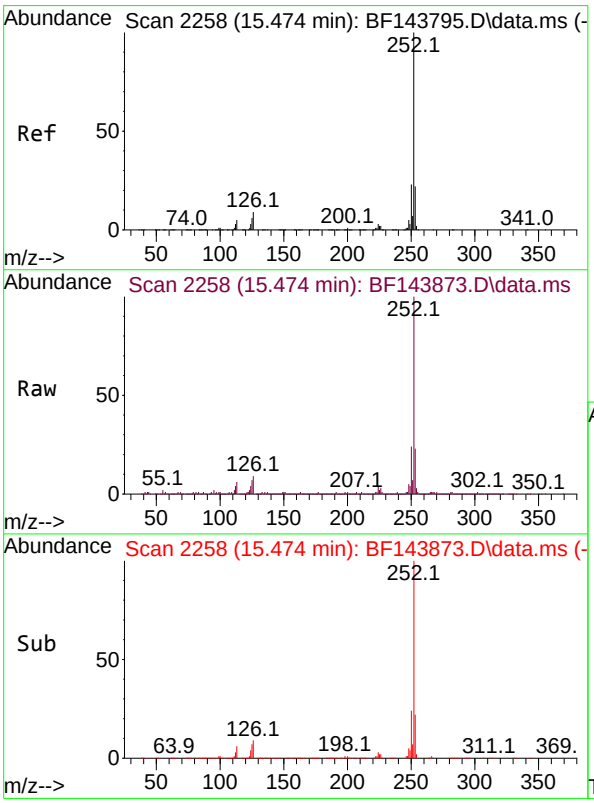
#89
Benzo(k)fluoranthene
Concen: 36.809 ng
RT: 15.104 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 910372

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	7.7	4.6	6.8#

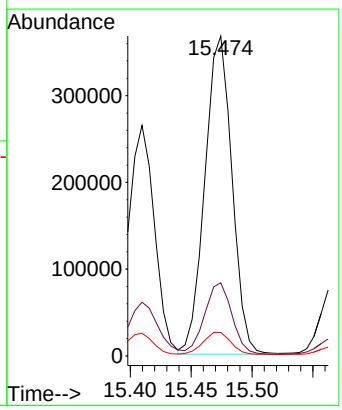


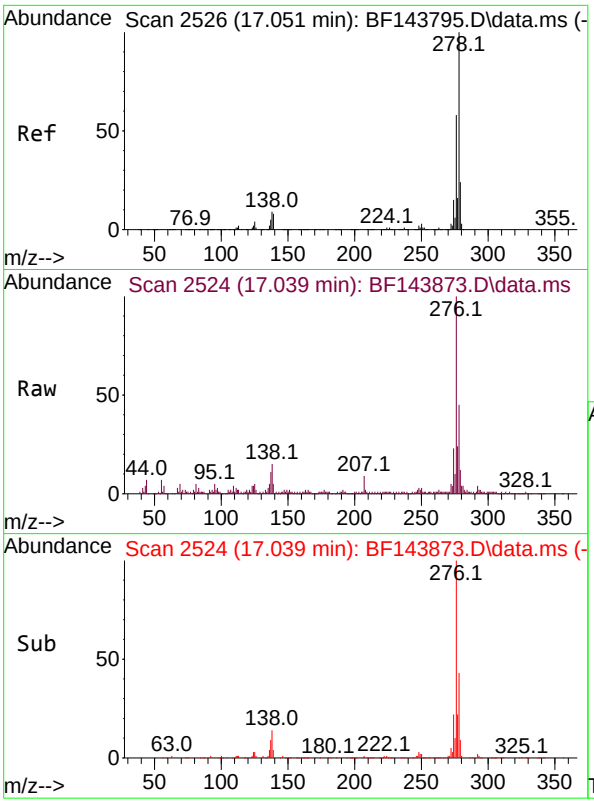


#90
Benzo(a)pyrene
Concen: 24.604 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Tgt Ion:252 Resp: 569337

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	7.3	5.0	7.4



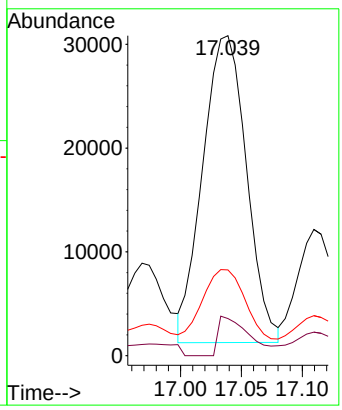


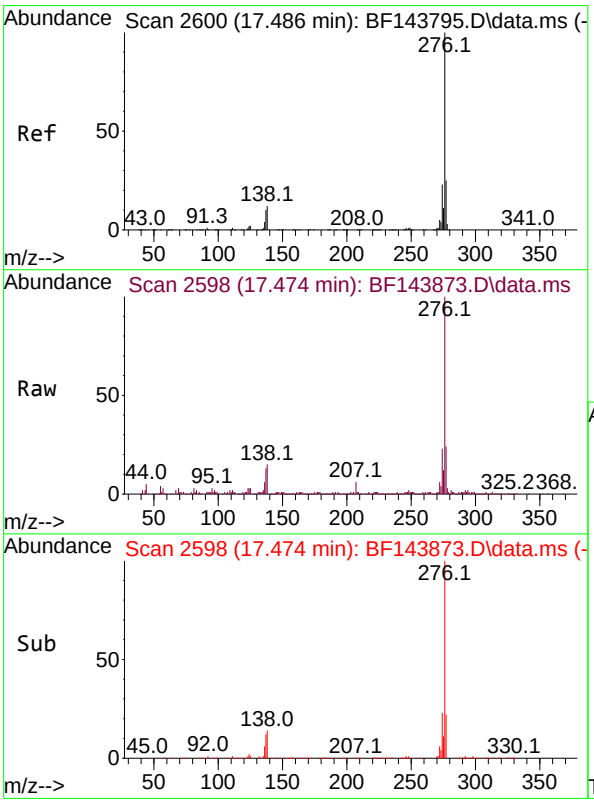
#91
Dibenzo(a,h)anthracene
Concen: 2.464 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 73932

Ion	Ratio	Lower	Upper
278	100		
139	11.6	6.7	10.1#
279	26.8	19.3	28.9





#92
Benzo(g,h,i)perylene
Concen: 7.878 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.029 min
Lab File: BF143873.D
Acq: 02 Oct 2025 23:59

Tgt Ion:276 Resp: 227804

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.6	29.4
138	15.5	9.2	13.8#