Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011625\
Data File : BF141191.D
Acq On : 16 Jan 2025 17:50
Operator : RC/JU
Sample : Q1099-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Quant Time: Jan 17 00:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.816	152	149348	20.000	ng		0.00
21) Naphthalene-d8	8.098	136	542781	20.000	ng		0.00
39) Acenaphthene-d10	9.851	164	244617	20.000	ng		-0.01
64) Phenanthrene-d10	11.339	188	351097	20.000	ng		0.00
76) Chrysene-d12	13.986	240	290167	20.000	ng		0.00
86) Perylene-d12	15.451	264	241487	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	180476	18.668	ng		0.00
7) Phenol-d6	6.434	99	218761	17.863	ng		-0.01
23) Nitrobenzene-d5	7.369	82	129759	12.672	ng		-0.02
42) 2,4,6-Tribromophenol	10.639	330	44510	15.969	ng		-0.01
45) 2-Fluorobiphenyl	9.175	172	243311	15.189	ng		0.00
79) Terphenyl-d14	12.927	244	218872	11.211	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.116	128	91975	3.213	ng		99
37) 2-Methylnaphthalene	8.810	142	47852	2.623	ng		99
38) 1-Methylnaphthalene	8.910	142	39400	2.192	ng		97
51) 2,6-Dinitrotoluene	9.851	165	35810	9.377	ng	#	28
52) Acenaphthene	9.886	154	51331	3.476	ng		98
58) Fluorene	10.398	166	89984	5.766	ng		99
71) Phenanthrene	11.363	178	632537	33.558	ng		99
72) Anthracene	11.416	178	217974	11.893	ng		100
73) Carbazole	11.569	167	47741	2.841	ng		98
75) Fluoranthene	12.557	202	979683	52.084	ng		99
78) Pyrene	12.786	202	858324	30.970	ng		99
81) Benzo(a)anthracene	13.974	228	432329	21.893	ng		96
83) Chrysene	14.010	228	336168	18.193	ng		97
87) Indeno(1,2,3-cd)pyrene	16.904	276	146489	8.280	ng		95
88) Benzo(b)fluoranthene	15.027	252	494064	31.728	ng		96
89) Benzo(k)fluoranthene	15.027	252	494064	37.544	ng		96
90) Benzo(a)pyrene	15.392	252	263869	20.538	ng		99
91) Dibenzo(a,h)anthracene	16.915	278	35086	2.452	ng	#	86
92) Benzo(g,h,i)perylene	17.345	276	140359	9.430	ng		98

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

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011625\
Data File : BF141191.D
Acq On : 16 Jan 2025 17:50
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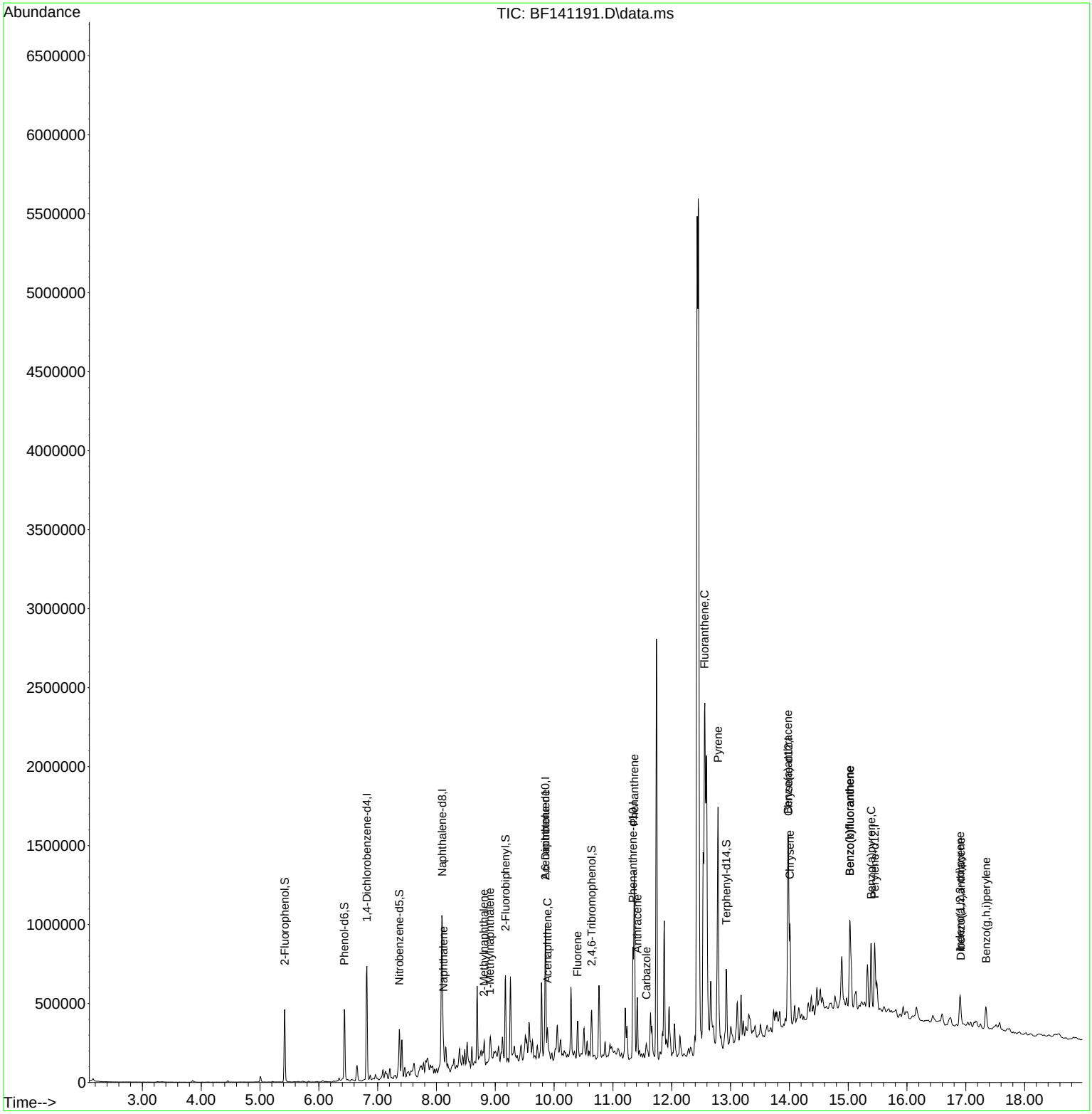
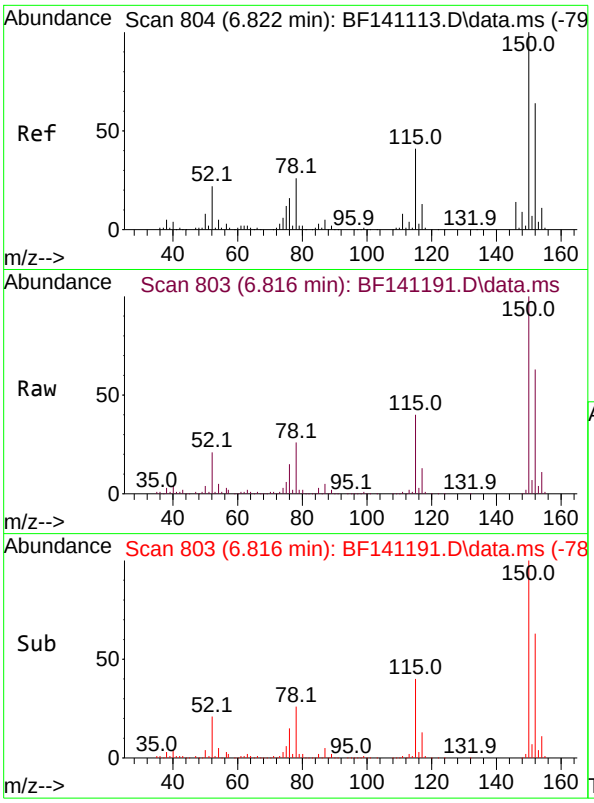
Quant Time: Jan 17 00:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



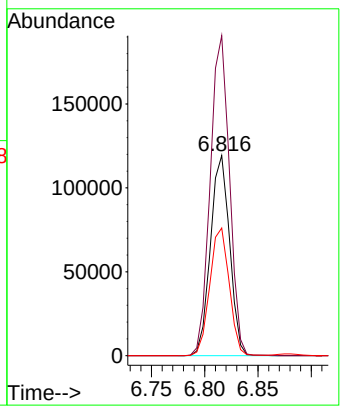


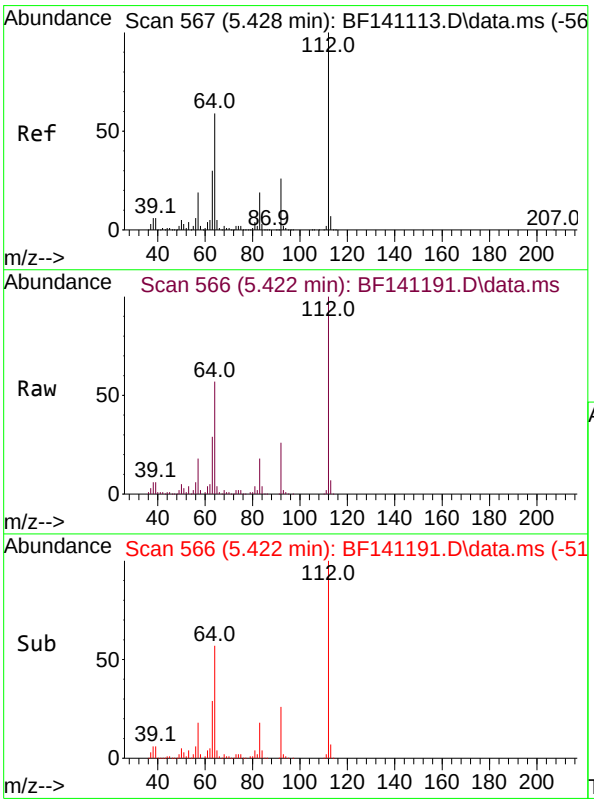
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion:152 Resp: 149348

Ion	Ratio	Lower	Upper
152	100		
150	159.8	125.8	188.8
115	63.7	51.4	77.2

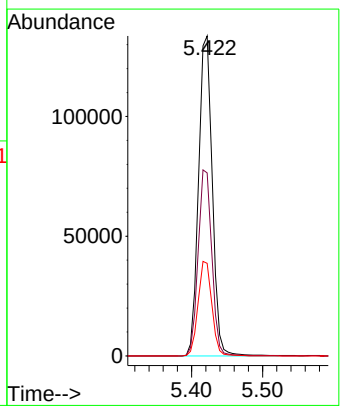


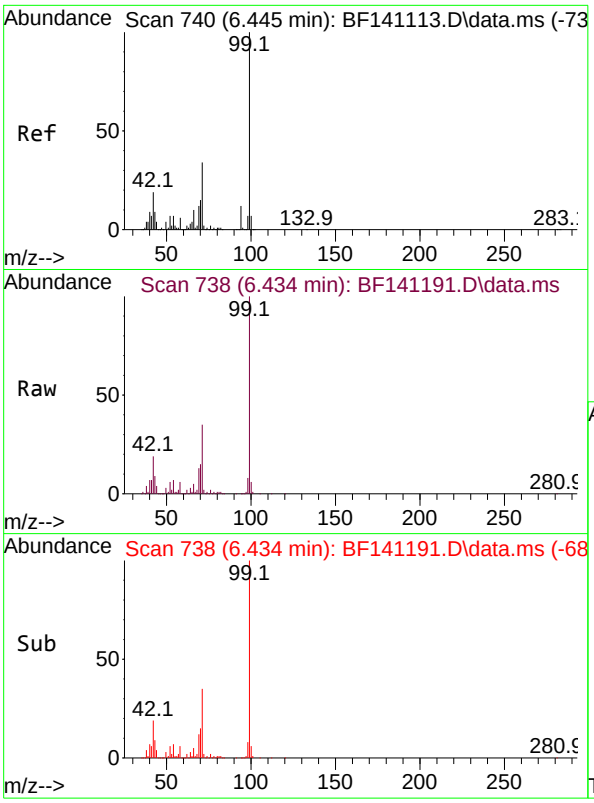


#5
2-Fluorophenol
Concen: 18.668 ng
RT: 5.422 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Tgt Ion:112 Resp: 180476

Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.3	70.9
63	29.0	24.2	36.2



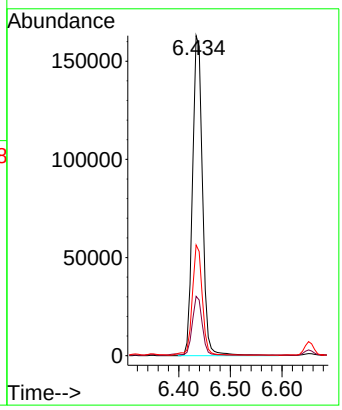


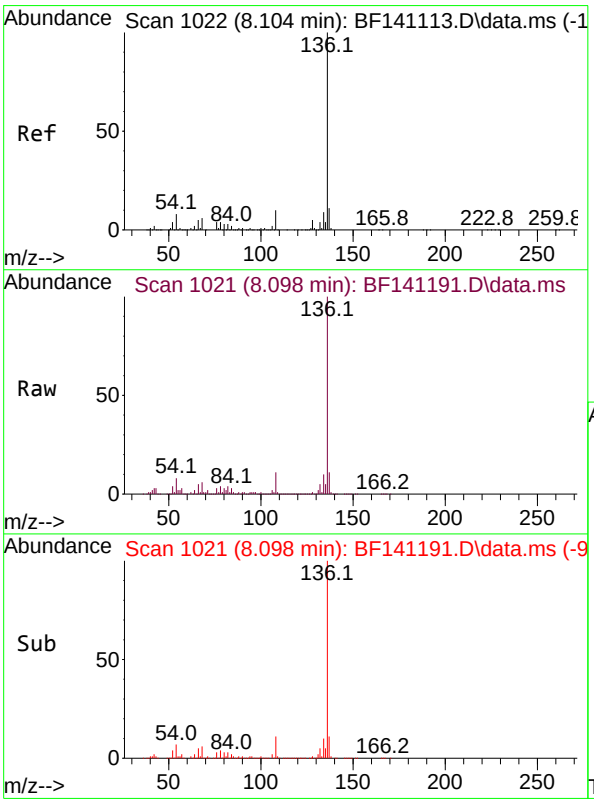
#7
Phenol-d6
Concen: 17.863 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion: 99 Resp: 218761

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.0	22.4
71	34.6	27.6	41.4

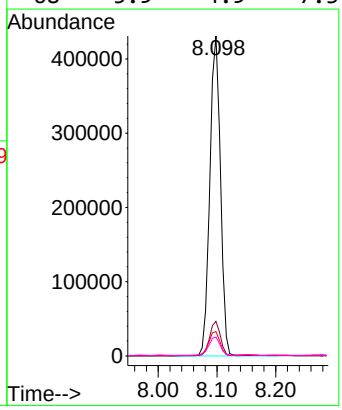


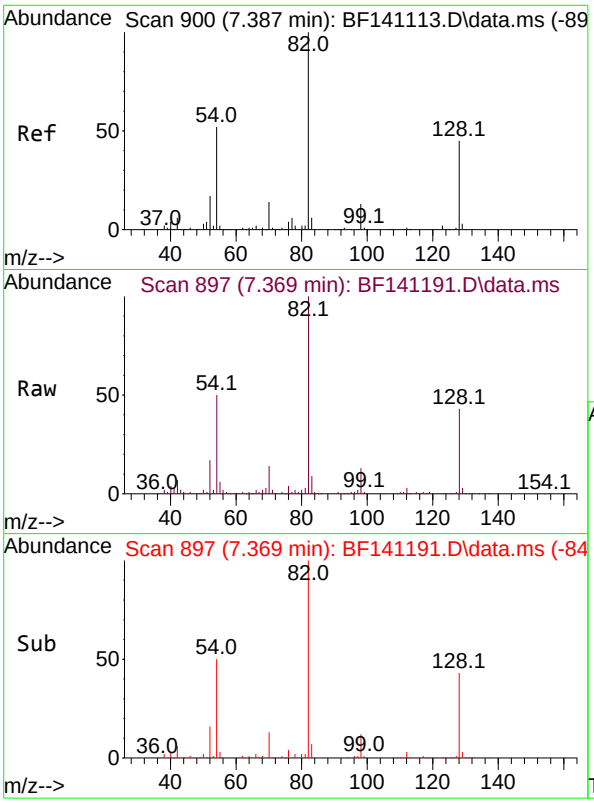


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Tgt Ion:136 Resp: 542781

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.6	6.3	9.5
68	5.9	4.9	7.3



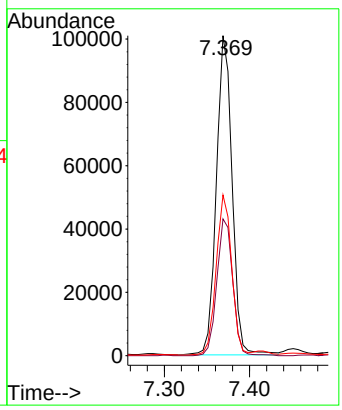


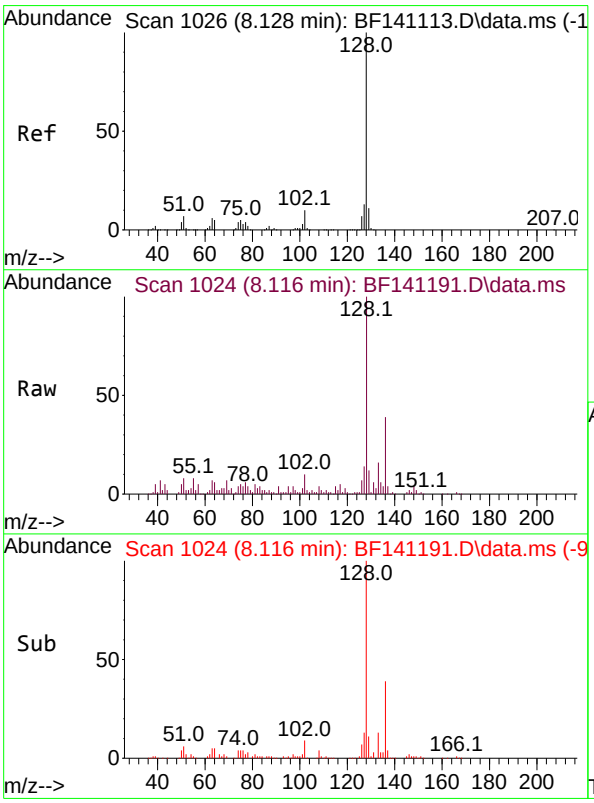
#23
Nitrobenzene-d5
Concen: 12.672 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion: 82 Resp: 129759

Ion	Ratio	Lower	Upper
82	100		
128	42.7	36.1	54.1
54	50.2	41.0	61.4

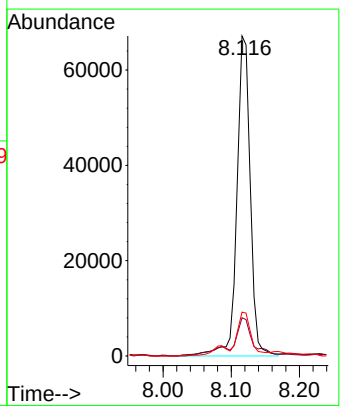


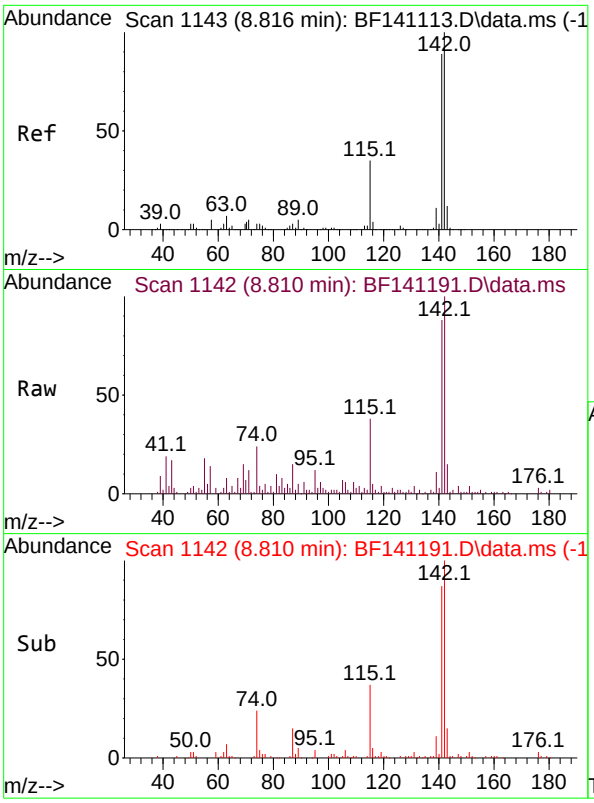


#31
Naphthalene
Concen: 3.213 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Tgt Ion:128 Resp: 91975

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.0	13.6
127	13.7	10.8	16.2



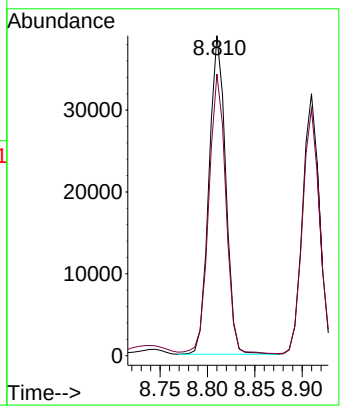


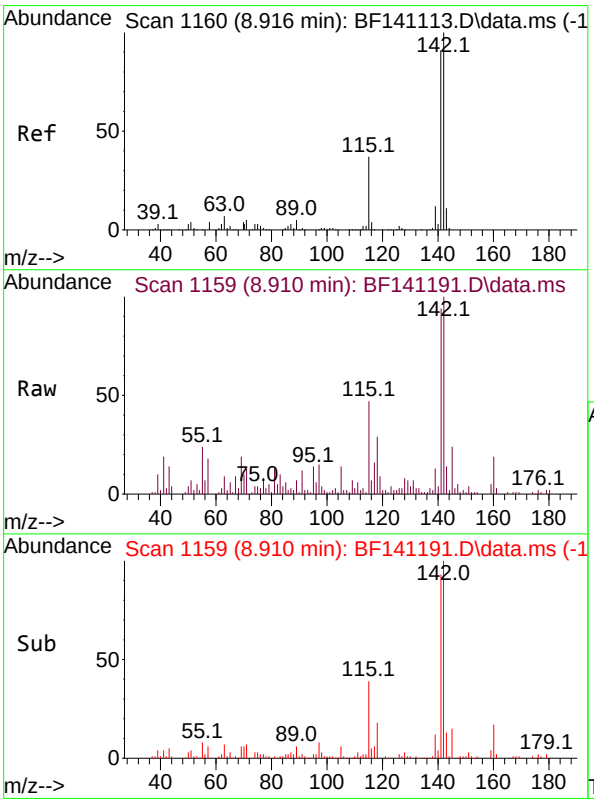
#37
2-Methylnaphthalene
Concen: 2.623 ng
RT: 8.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion:142 Resp: 47852

Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.3	106.9

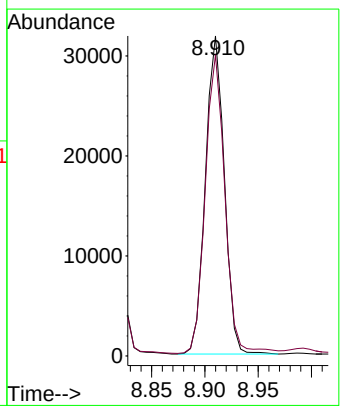


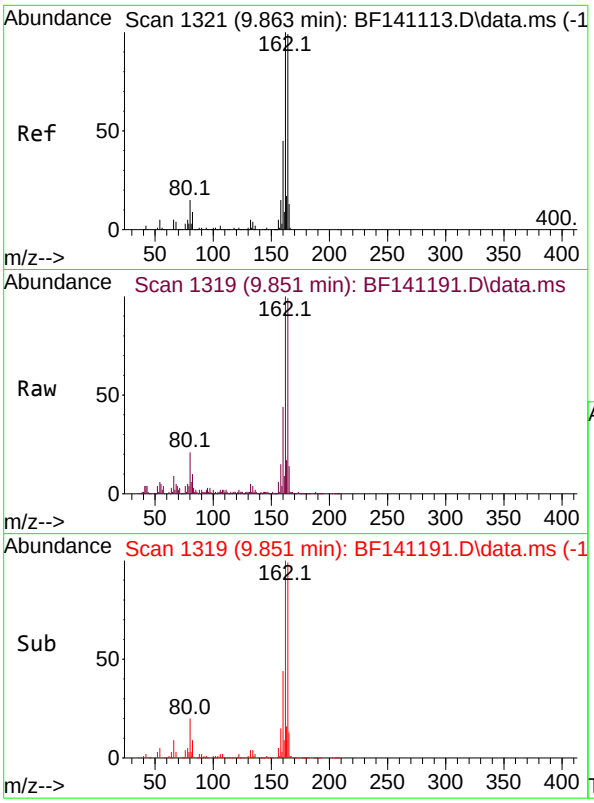


#38
1-Methylnaphthalene
Concen: 2.192 ng
RT: 8.910 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Tgt Ion:142 Resp: 39400

Ion	Ratio	Lower	Upper
142	100		
141	94.1	73.1	109.7



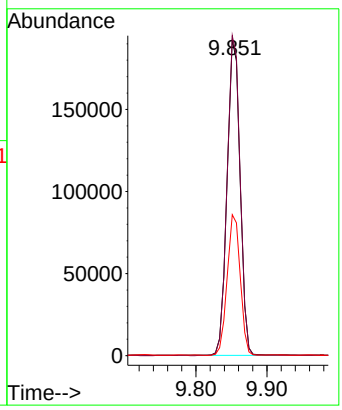


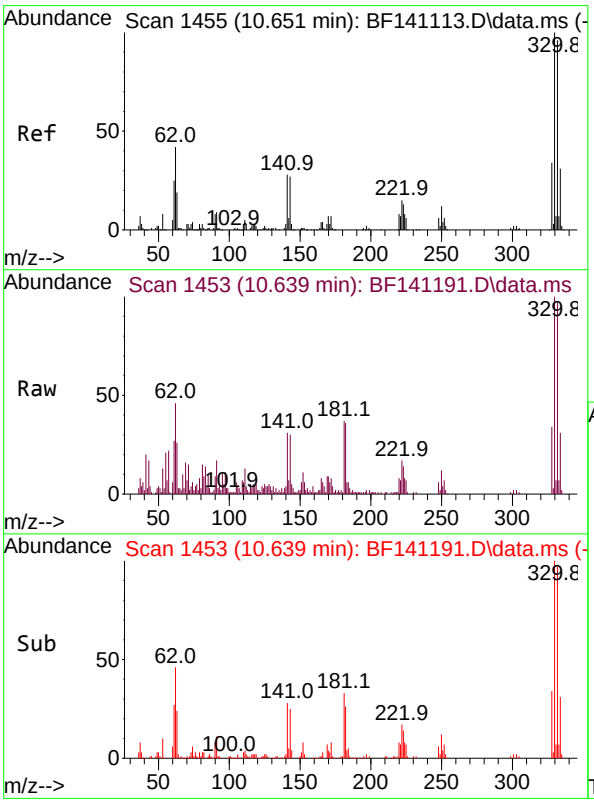
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion:164 Resp: 244617

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.0	121.4
160	44.6	36.1	54.1

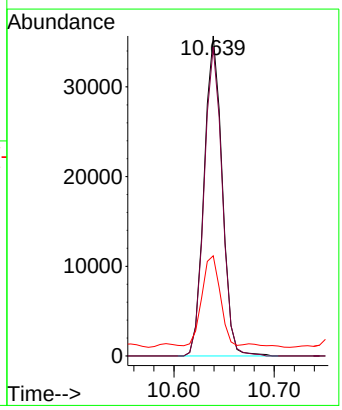


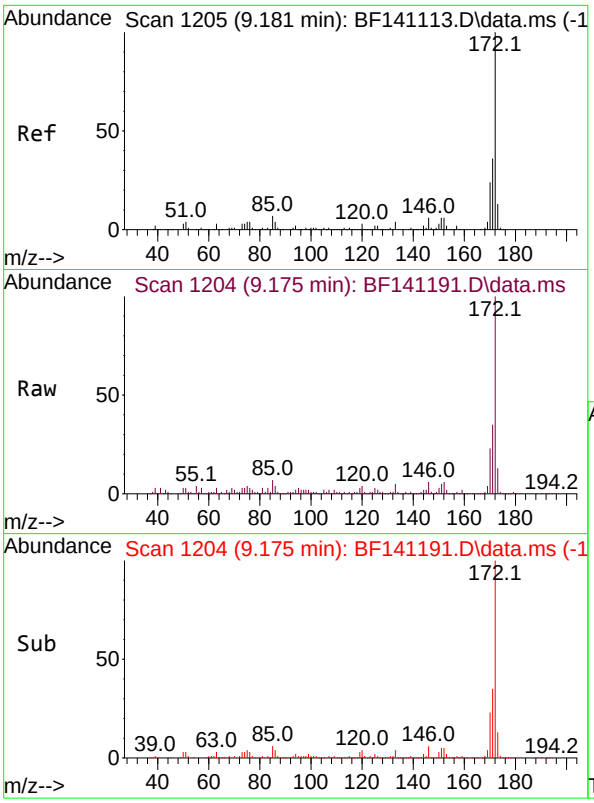


#42
2,4,6-Tribromophenol
Concen: 15.969 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Tgt Ion:330 Resp: 44510

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.9	115.3
141	28.6	25.2	37.8



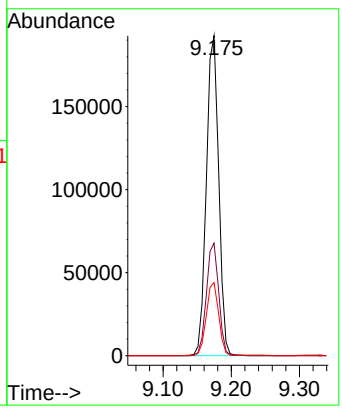


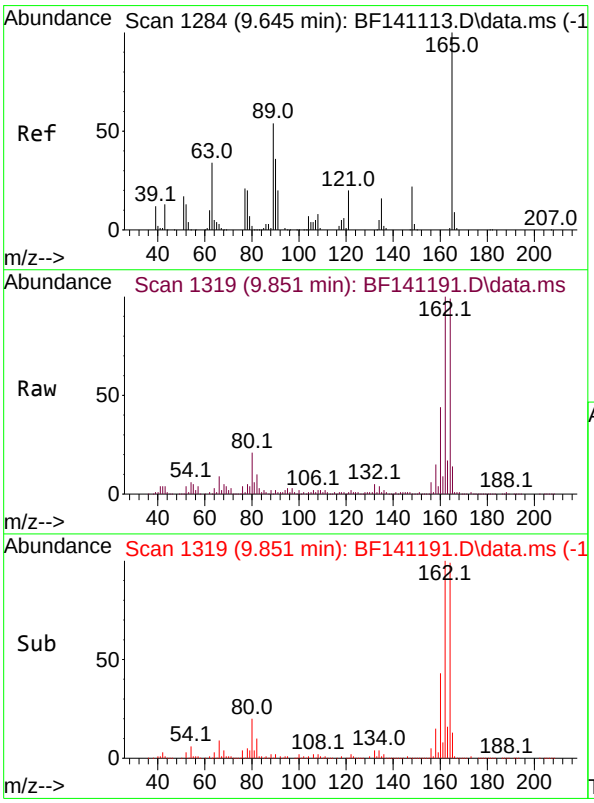
#45
2-Fluorobiphenyl
Concen: 15.189 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion:172 Resp: 243311

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.7	43.1
170	22.8	19.0	28.6

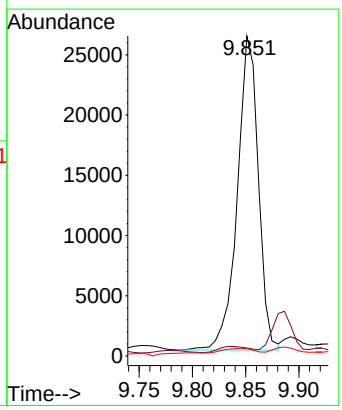


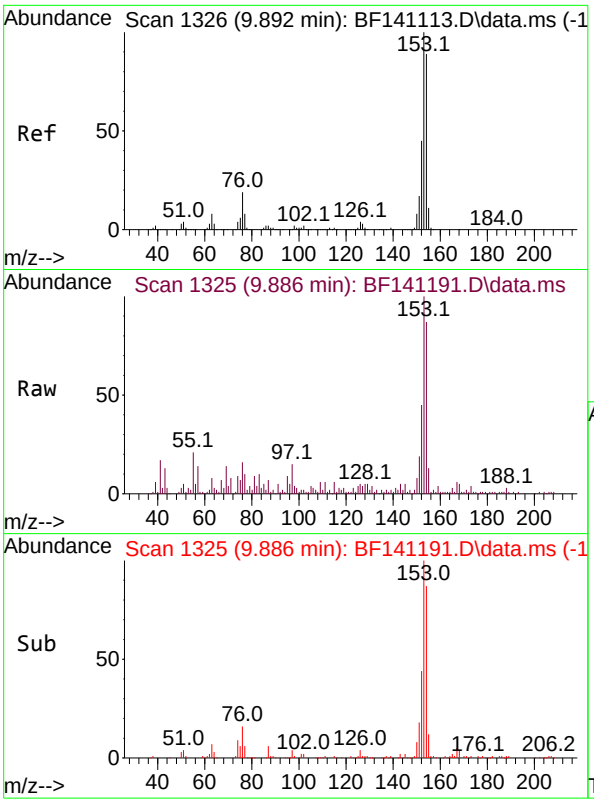


#51
2,6-Dinitrotoluene
Concen: 9.377 ng
RT: 9.851 min Scan# 1319
Delta R.T. 0.206 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Tgt Ion:165 Resp: 35810

Ion	Ratio	Lower	Upper
165	100		
63	2.5	42.3	63.5#
89	2.3	43.1	64.7#



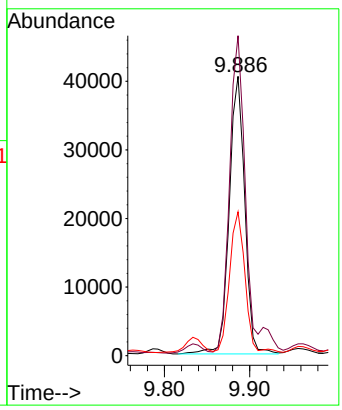


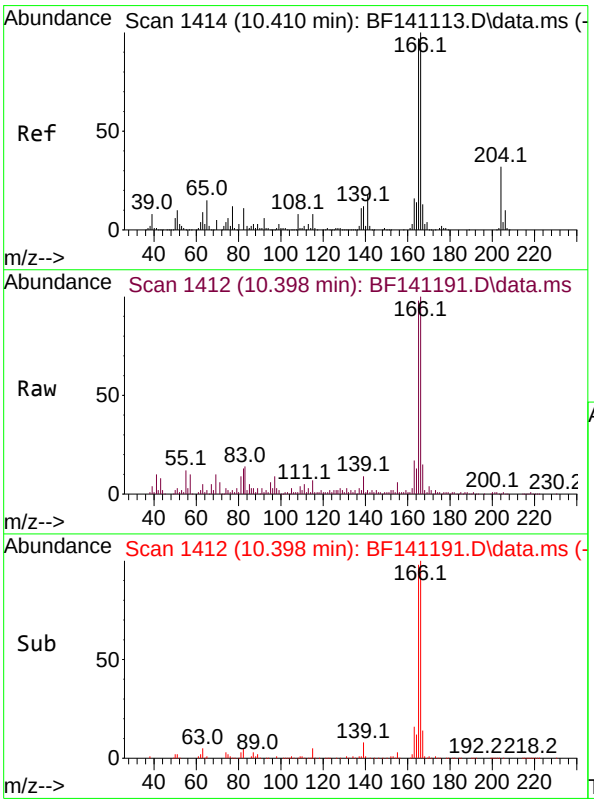
#52
Acenaphthene
Concen: 3.476 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion:154 Resp: 51331

Ion	Ratio	Lower	Upper
154	100		
153	114.6	89.8	134.6
152	51.5	40.8	61.2

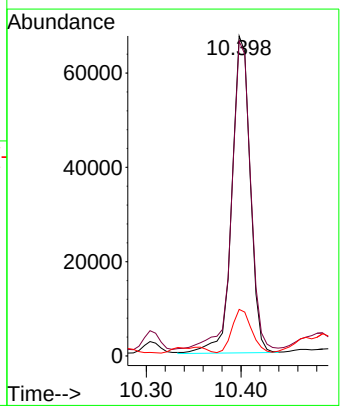


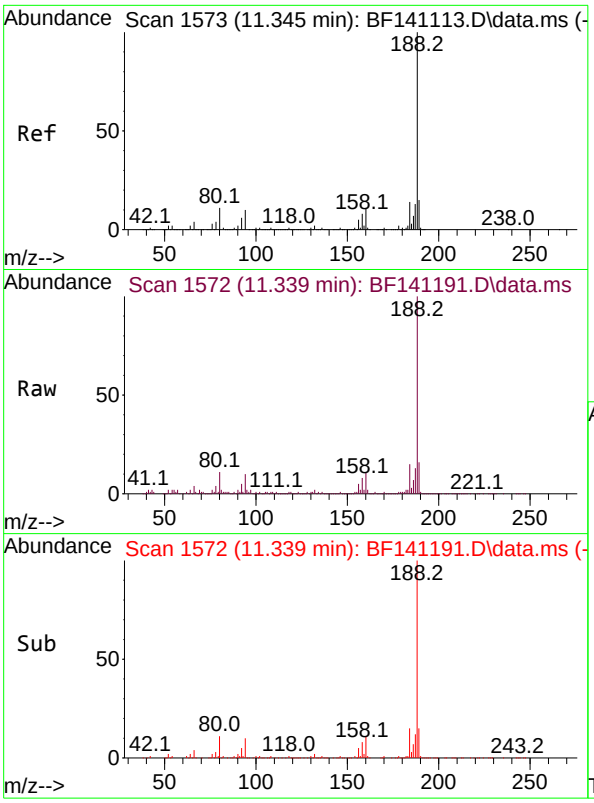


#58
Fluorene
Concen: 5.766 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Tgt Ion:166 Resp: 89984

Ion	Ratio	Lower	Upper
166	100		
165	98.4	77.8	116.8
167	14.6	10.8	16.2



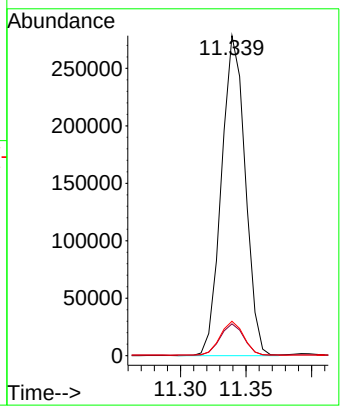


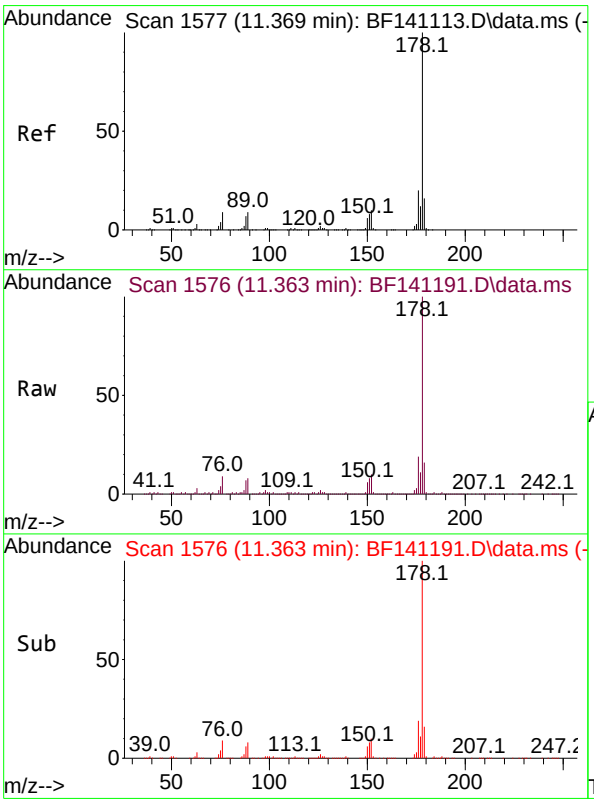
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion:188 Resp: 351097

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.3	12.5
80	10.7	9.0	13.4

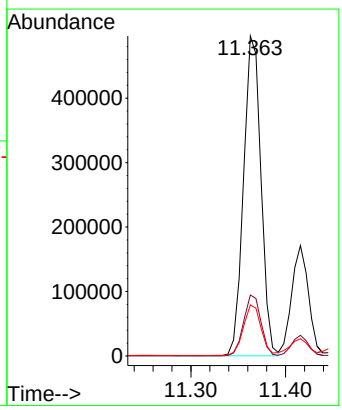


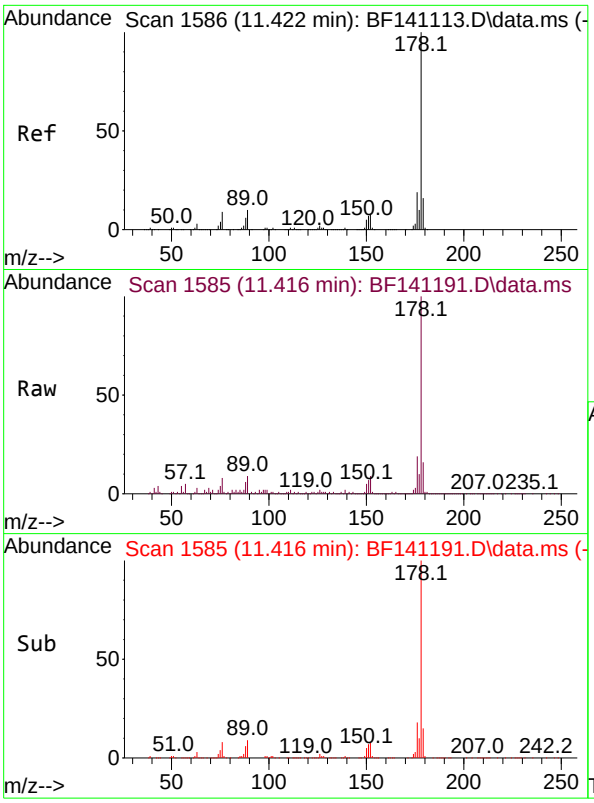


#71
Phenanthrene
Concen: 33.558 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Tgt Ion:178 Resp: 632537

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.7	23.5
179	16.0	12.6	19.0



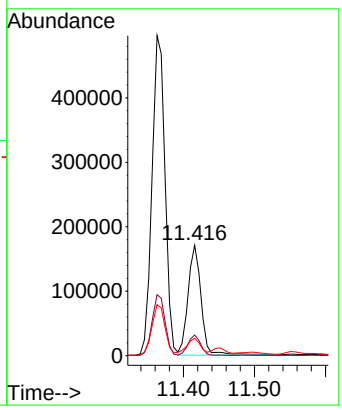


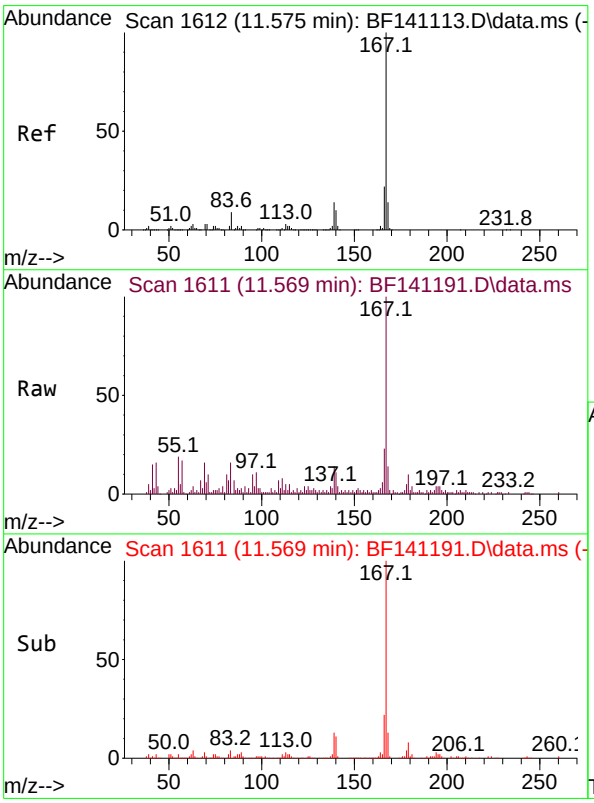
#72
Anthracene
Concen: 11.893 ng
RT: 11.416 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion:178 Resp: 217974

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.7	12.6	19.0

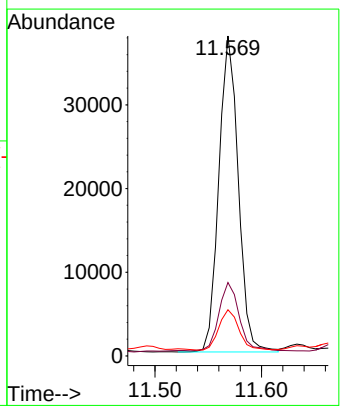


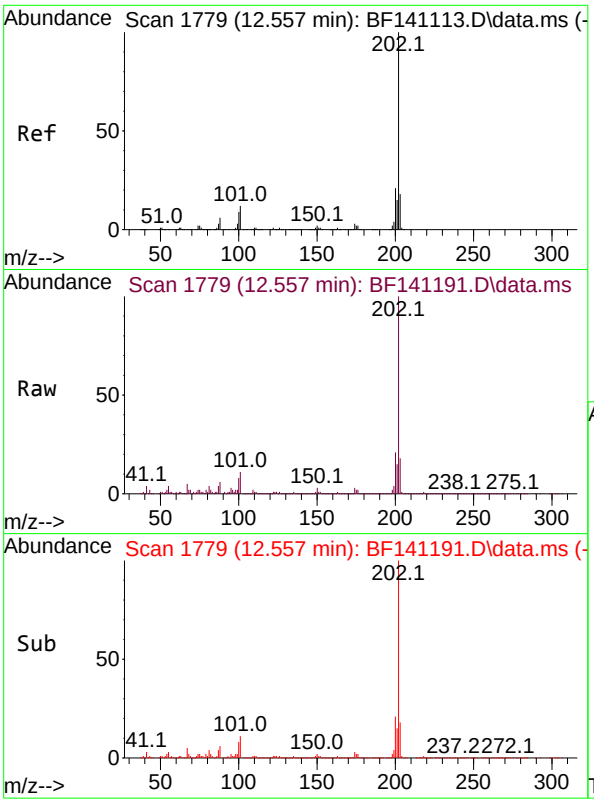


#73
Carbazole
Concen: 2.841 ng
RT: 11.569 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Tgt Ion:167 Resp: 47741

Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.4	26.2
139	14.5	10.9	16.3



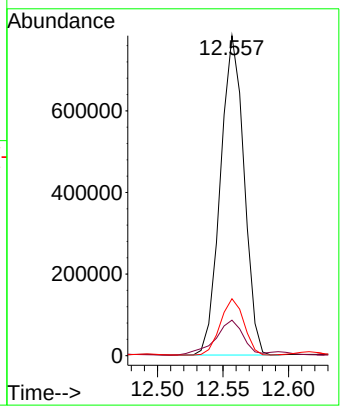


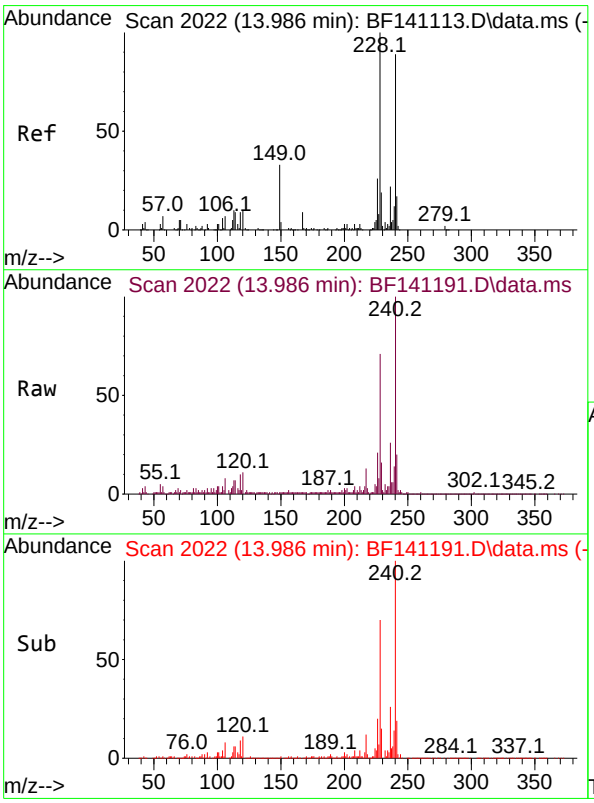
#75
Fluoranthene
Concen: 52.084 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion:202 Resp: 979683

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	32.3
203	17.8	0.0	37.7

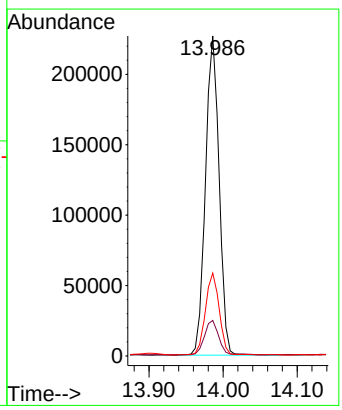


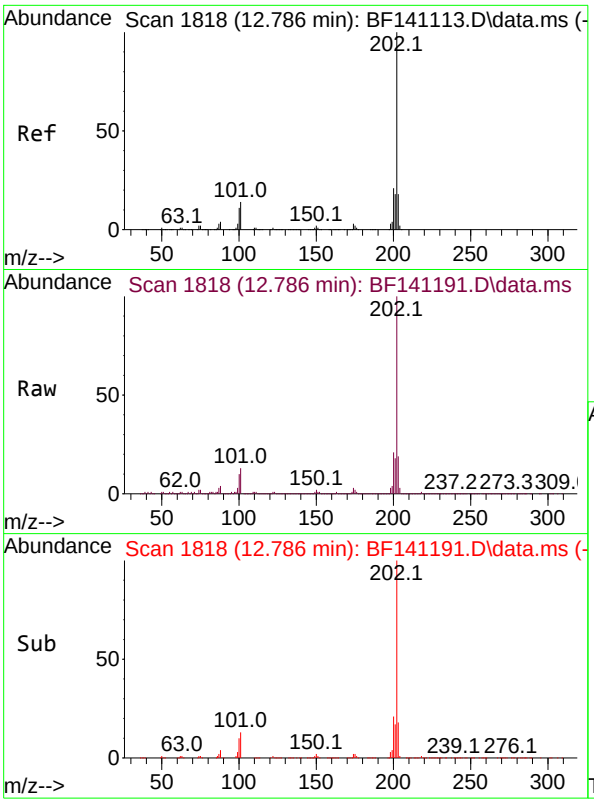


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Tgt Ion:240 Resp: 290167

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.1	13.7
236	25.9	19.8	29.6



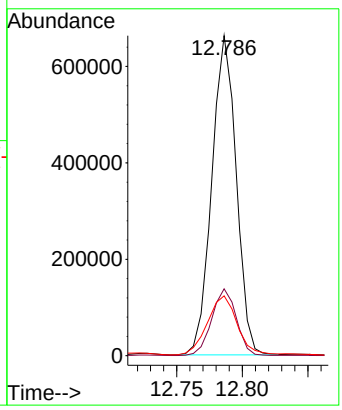


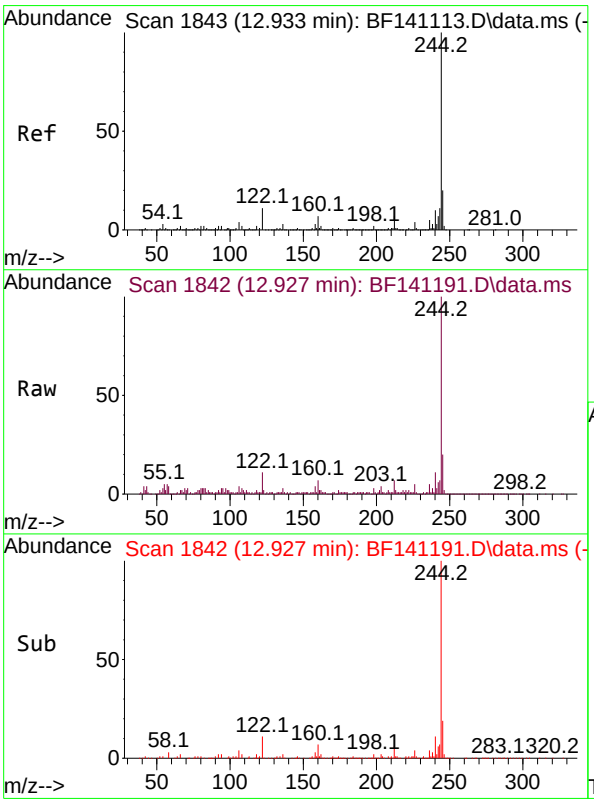
#78
Pyrene
Concen: 30.970 ng
RT: 12.786 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion:202 Resp: 858324

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	18.7	14.3	21.5

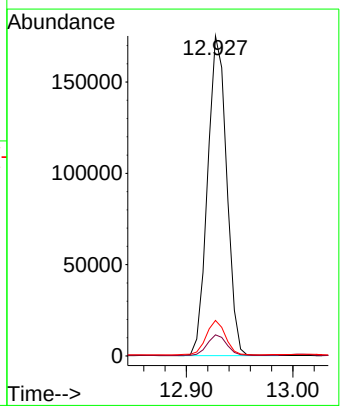


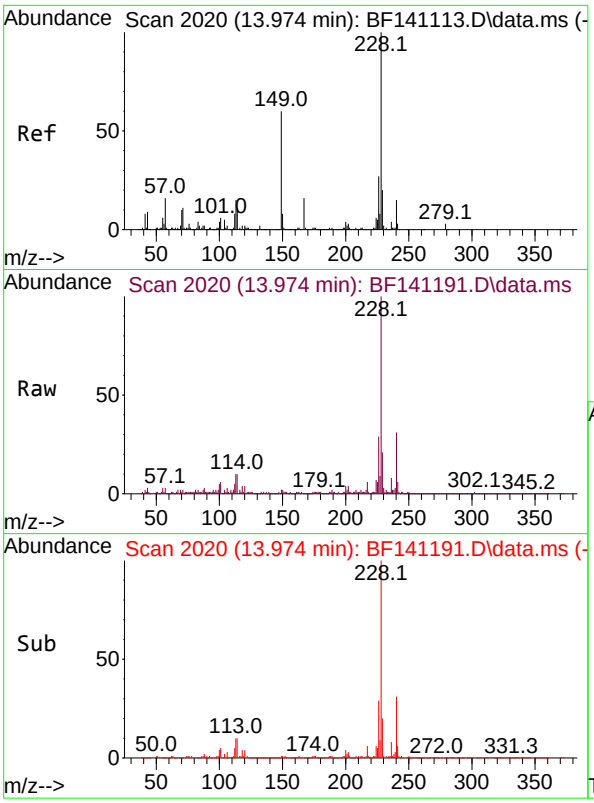


#79
Terphenyl-d14
Concen: 11.211 ng
RT: 12.927 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Tgt Ion:244 Resp: 218872

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	11.1	8.8	13.2



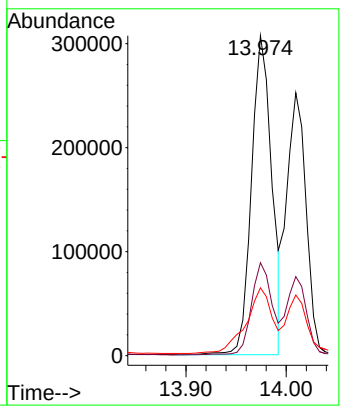


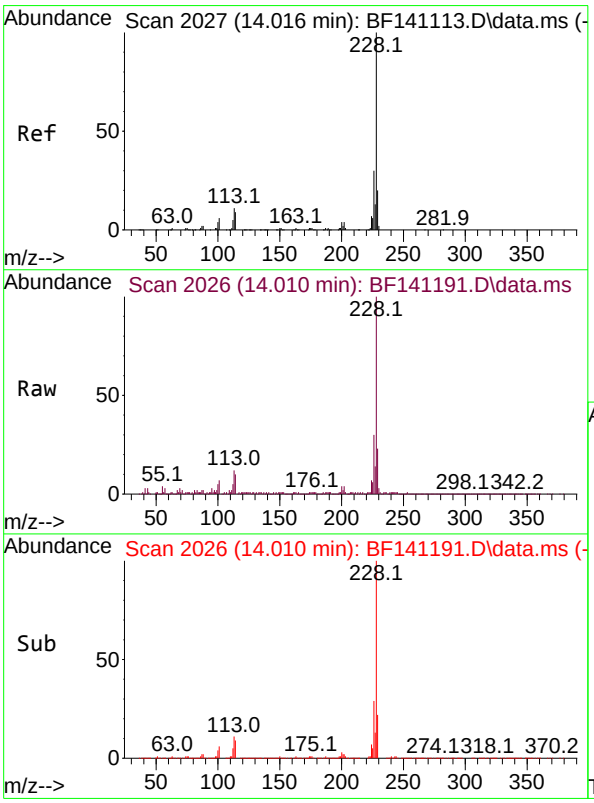
#81
Benzo(a)anthracene
Concen: 21.893 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion:228 Resp: 432329

Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.7	32.5
229	21.2	15.7	23.5

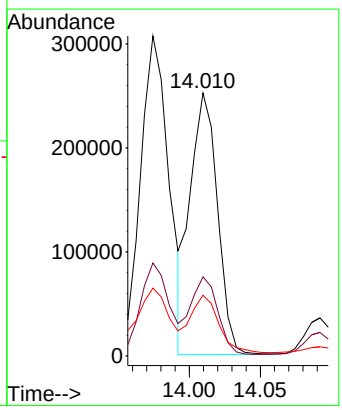


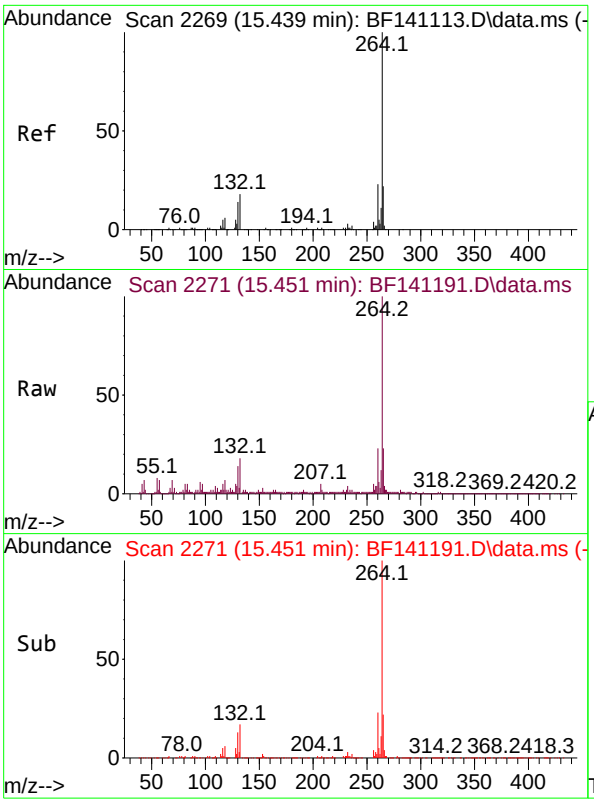


#83
Chrysene
Concen: 18.193 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Tgt Ion:228 Resp: 336168

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.8
229	23.1	15.8	23.8



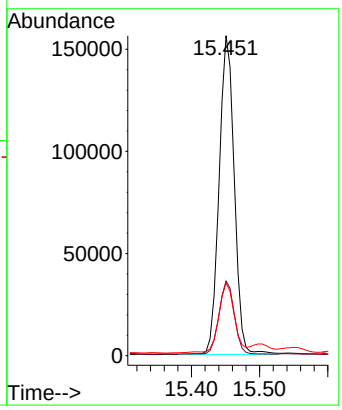


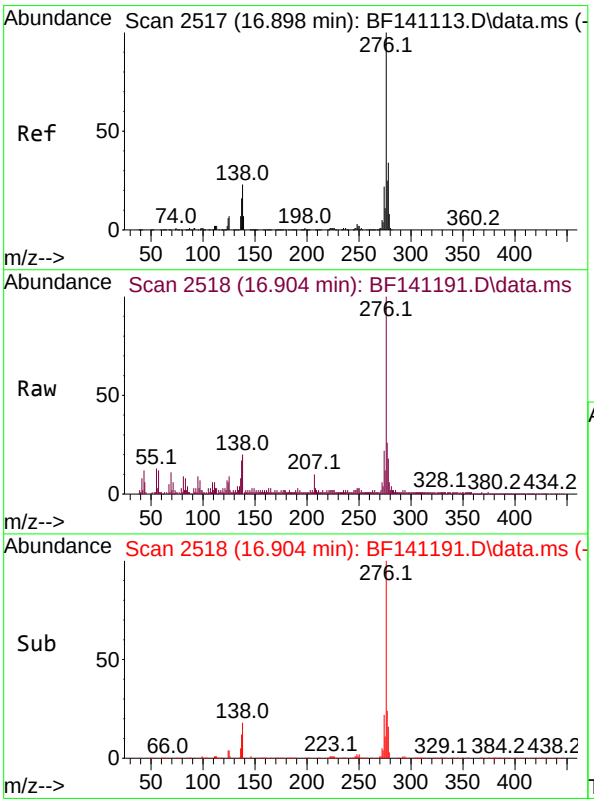
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion:264 Resp: 241487

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	22.7	17.4	26.0

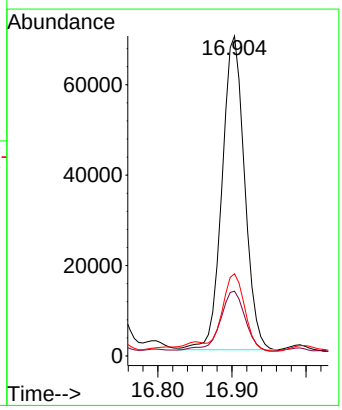


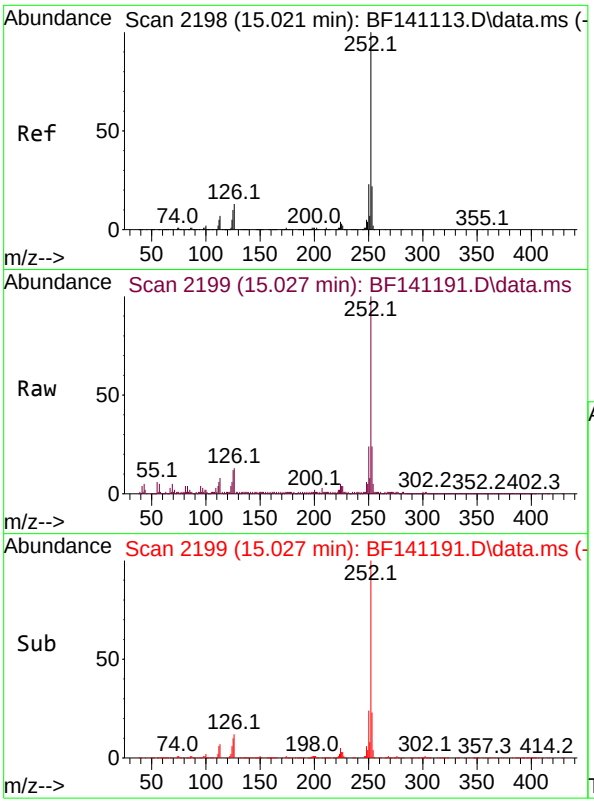


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.280 ng
RT: 16.904 min Scan# 2518
Delta R.T. 0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Tgt Ion:276 Resp: 146489

Ion	Ratio	Lower	Upper
276	100		
138	21.4	20.7	31.1
277	24.7	20.6	30.8



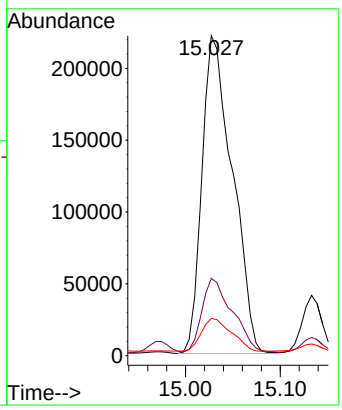


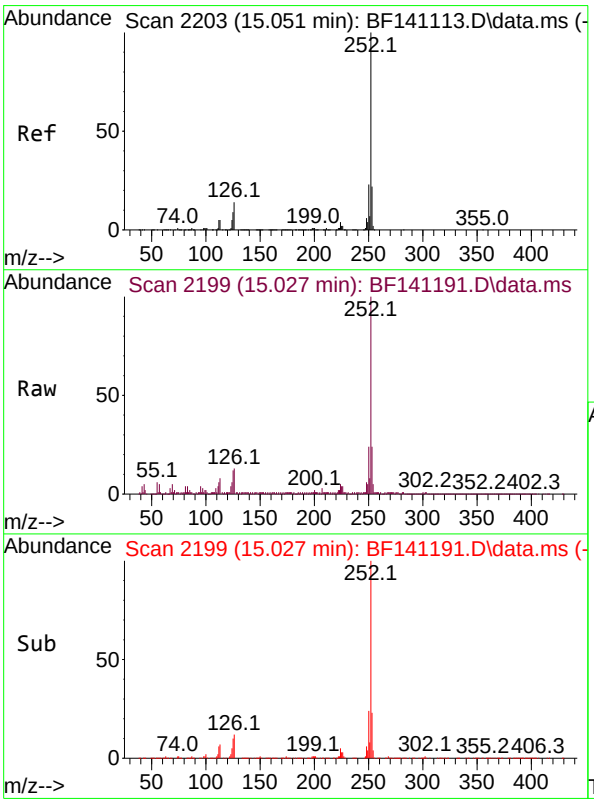
#88
Benzo(b)fluoranthene
Concen: 31.728 ng
RT: 15.027 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion:252 Resp: 494064

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	11.7	8.1	12.1

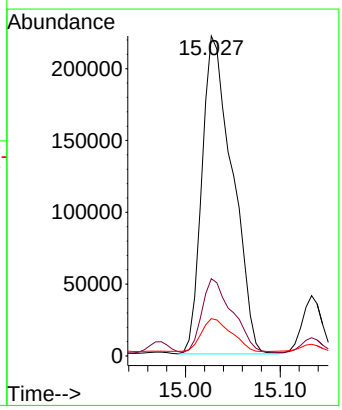


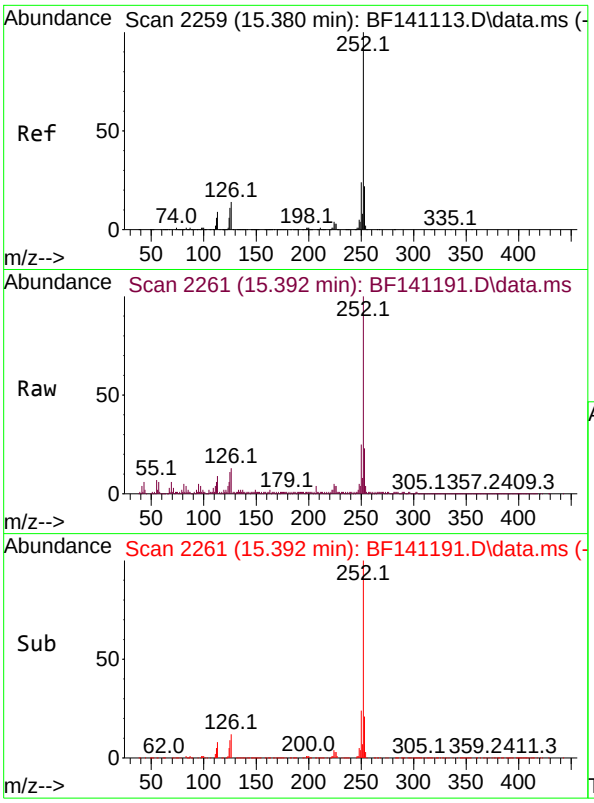


#89
Benzo(k)fluoranthene
Concen: 37.544 ng
RT: 15.027 min Scan# 2199
Delta R.T. -0.024 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Tgt Ion:252 Resp: 494064

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	11.7	7.9	11.9



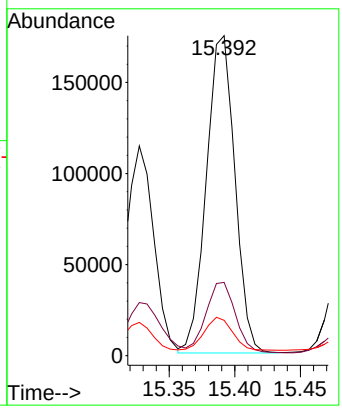


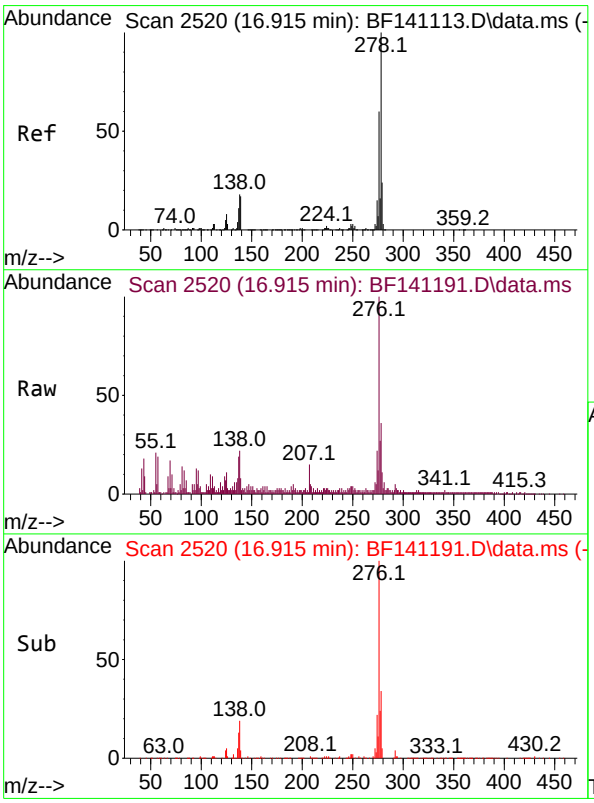
#90
Benzo(a)pyrene
Concen: 20.538 ng
RT: 15.392 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion:252 Resp: 263869

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	11.1	9.1	13.7

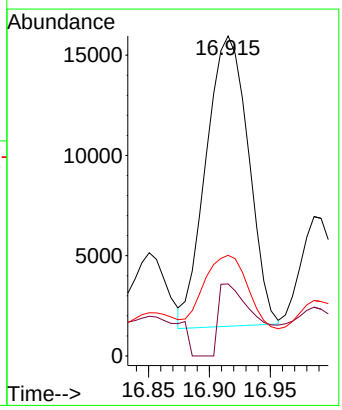


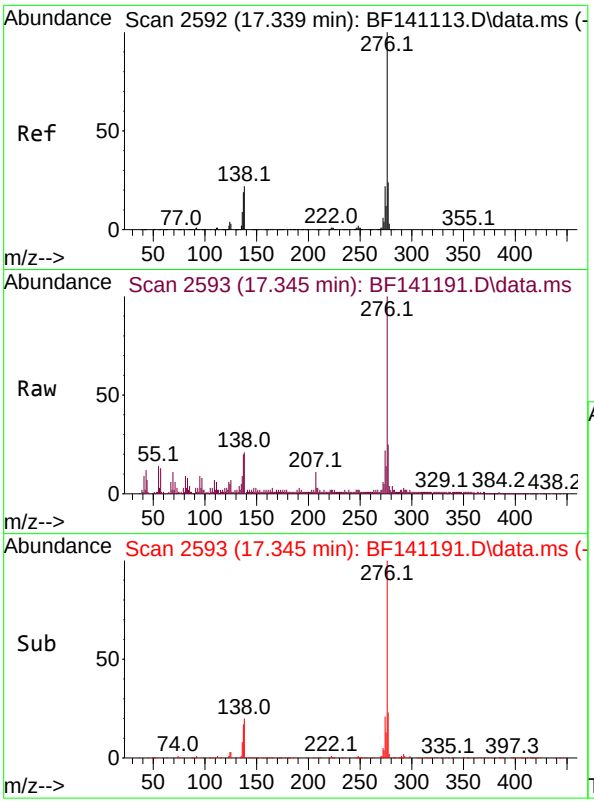


#91
Dibenzo(a,h)anthracene
Concen: 2.452 ng
RT: 16.915 min Scan# 2520
Delta R.T. -0.000 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Tgt Ion:278 Resp: 35086

Ion	Ratio	Lower	Upper
278	100		
139	22.5	13.8	20.6#
279	31.5	19.1	28.7#





#92
Benzo(g,h,i)perylene
Concen: 9.430 ng
RT: 17.345 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141191.D
Acq: 16 Jan 2025 17:50

Instrument :
BNA_F
ClientSampleId :
OR-02-01152025

Tgt Ion:276 Resp: 140359

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.4
138	20.7	17.4	26.2