Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070224\
Data File : BF138431.D
Acq On : 02 Jul 2024 17:11
Operator : CG\JU
Sample : P3120-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 02 17:57:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 29 02:44:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	162175	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	611510	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	252701	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	423112	20.000	ng	0.00
76) Chrysene-d12	14.027	240	277655	20.000	ng	0.00
86) Perylene-d12	15.492	264	78387	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1099528	112.407	ng	0.01
7) Phenol-d6	6.510	99	1173015	89.021	ng	0.00
23) Nitrobenzene-d5	7.434	82	1036982	88.092	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	283829	137.474	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1604623	101.056	ng	0.00
79) Terphenyl-d14	12.974	244	1238304	61.119	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.716	88	10483	2.275	ng	# 1
19) n-Nitroso-di-n-propyla...	7.434	70	137865	16.596	ng	# 77
25) Isophorone	7.434	82	1035025	47.684	ng	# 67
32) Benzoic acid	7.916	122	358	4.153	ng	# 51
51) 2,6-Dinitrotoluene	9.904	165	31756	8.731	ng	# 22
57) 2,4-Dinitrotoluene	9.904	165	31756	7.091	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.692	198	704	6.073	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	18874	4.150	ng	# 1
77) Benzidine	12.974	184	16738	7.539	ng	# 95

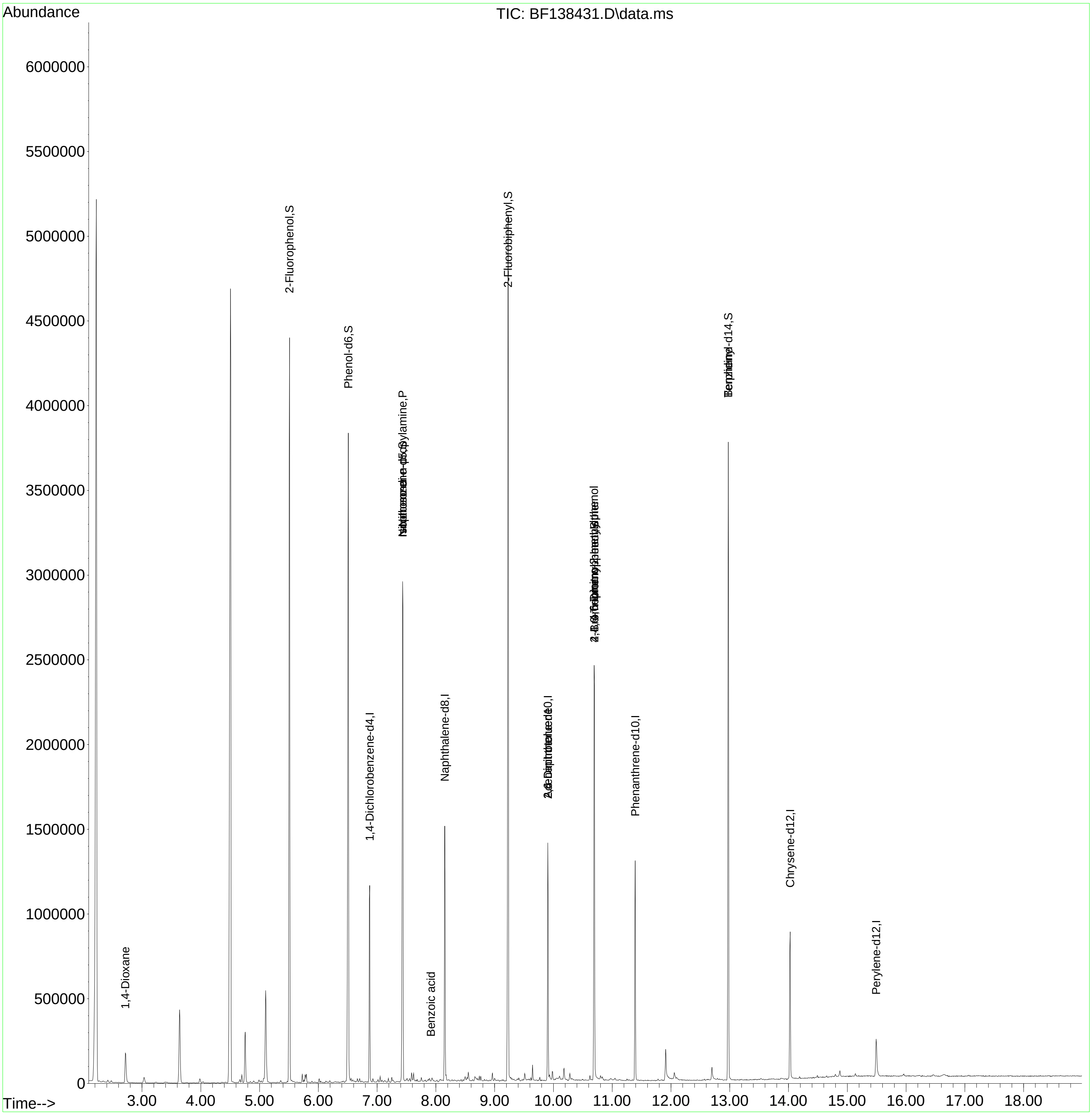
(#) = qualifier out of range (m) = manual integration (+) = signals summed

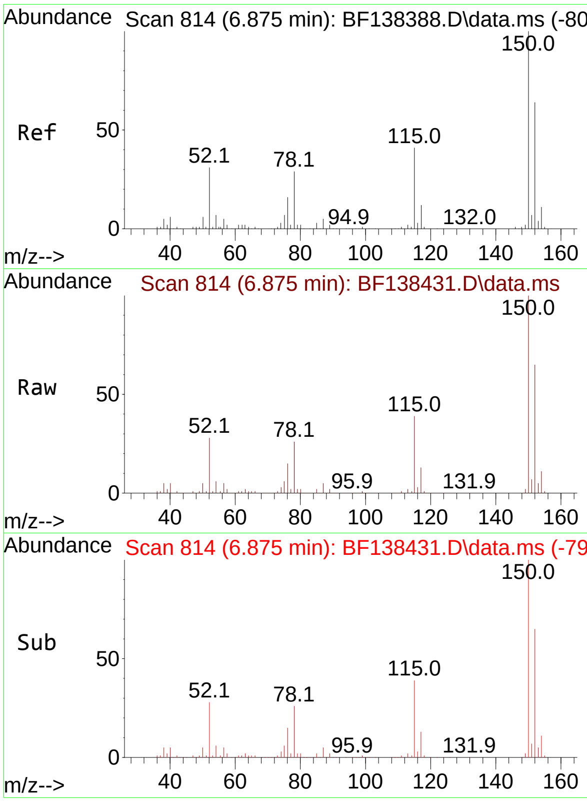
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070224\
Data File : BF138431.D
Acq On : 02 Jul 2024 17:11
Operator : CG\JU
Sample : P3120-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 02 17:57:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 29 02:44:30 2024
Response via : Initial Calibration



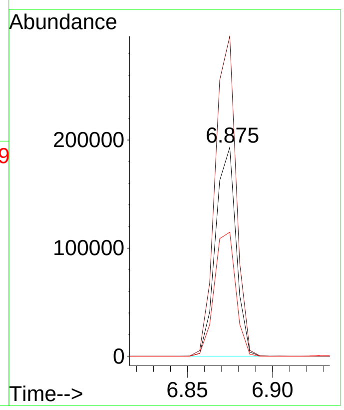


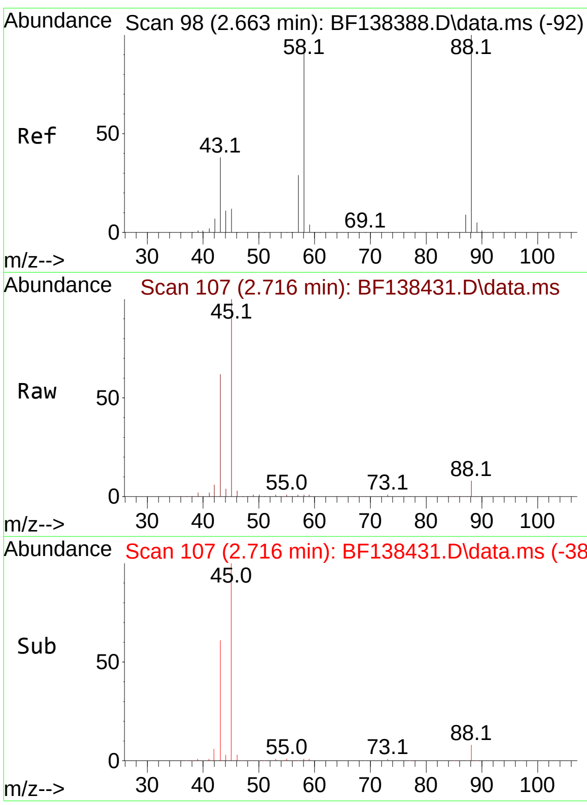
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 162175

Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.9	187.3
115	59.4	50.8	76.2

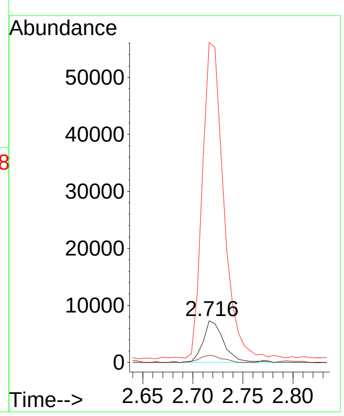


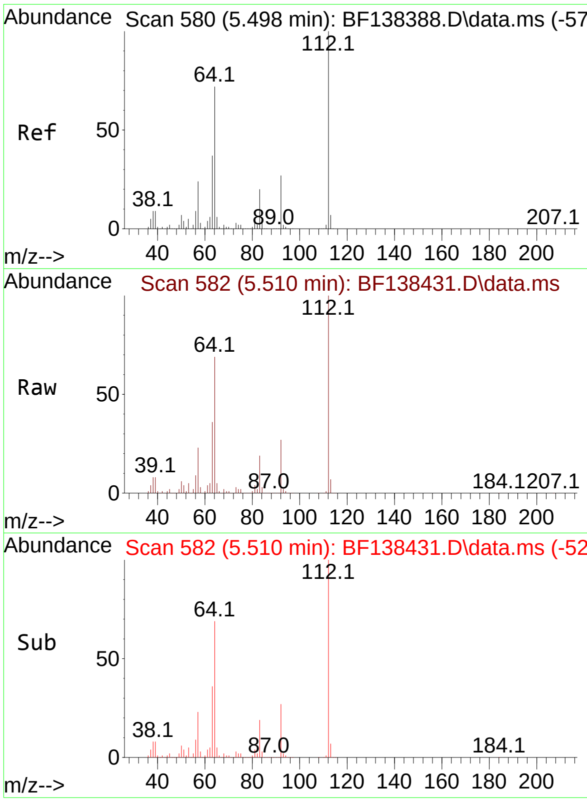


#2
1,4-Dioxane
Concen: 2.275 ng
RT: 2.716 min Scan# 107
Delta R.T. 0.053 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Tgt Ion: 88 Resp: 10483

Ion	Ratio	Lower	Upper
88	100		
58	19.5	73.7	110.5#
43	778.0	30.1	45.1#



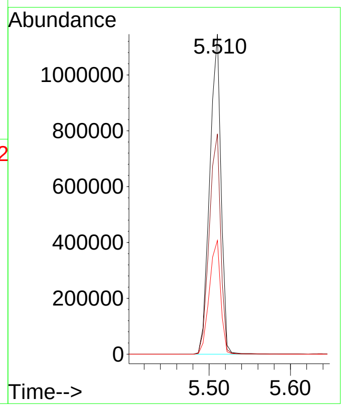


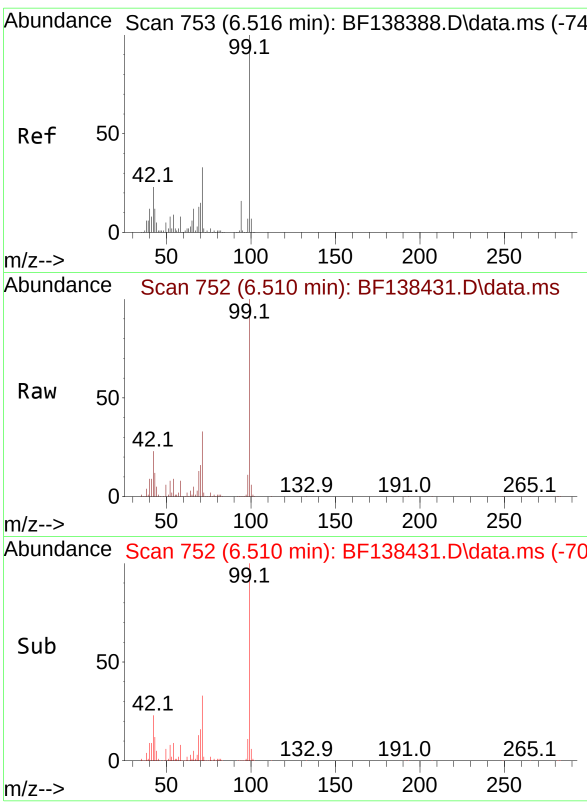
#5
2-Fluorophenol
Concen: 112.407 ng
RT: 5.510 min Scan# 58
Delta R.T. 0.012 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:112 Resp: 1099528

Ion	Ratio	Lower	Upper
112	100		
64	68.8	57.2	85.8
63	35.6	29.4	44.0

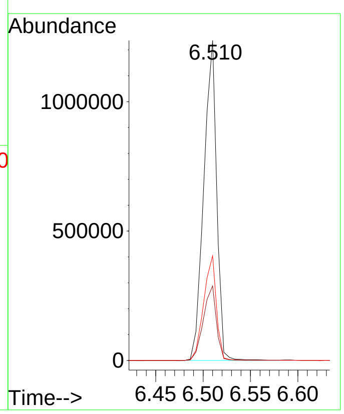


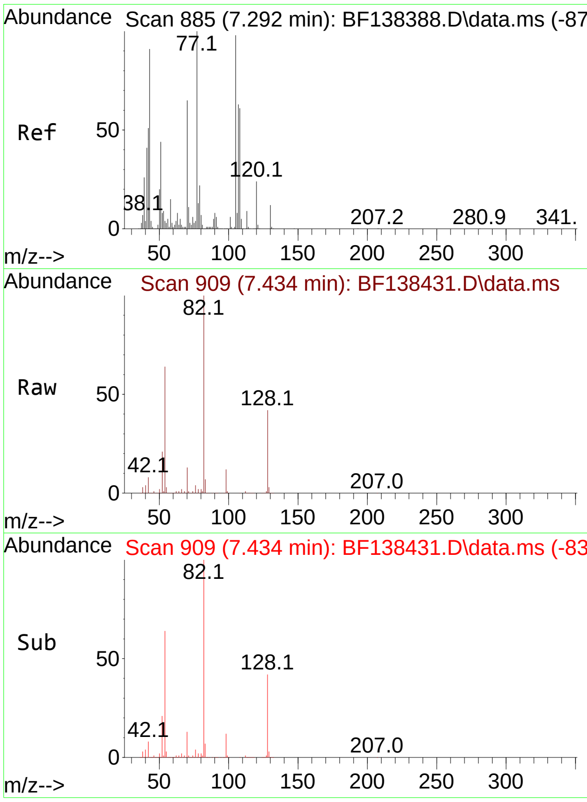


#7
Phenol-d6
Concen: 89.021 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Tgt Ion: 99 Resp: 1173015

Ion	Ratio	Lower	Upper
99	100		
42	23.3	18.5	27.7
71	32.7	26.1	39.1





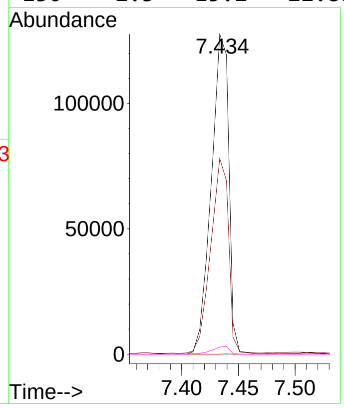
#19
n-Nitroso-di-n-propylamine
Concen: 16.596 ng
RT: 7.434 min Scan# 9

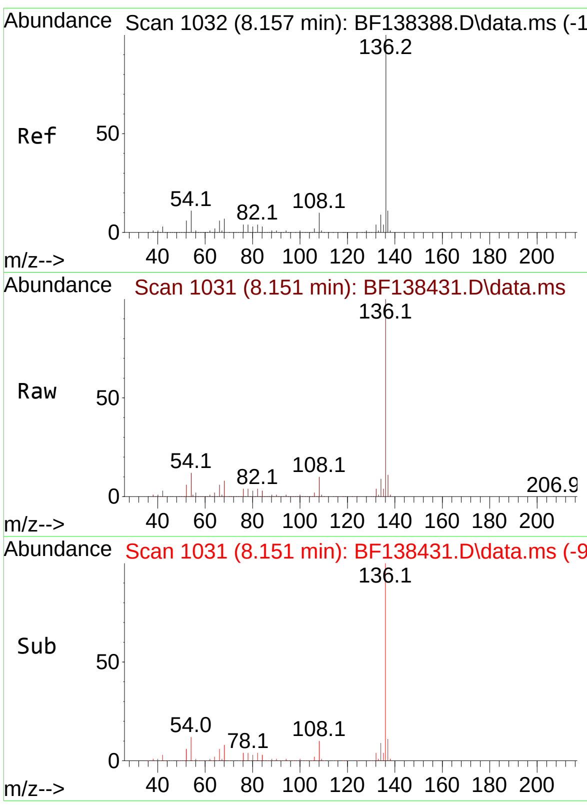
Instrument :
BNA_F
ClientSampleId :

Delta R.T. 0.141 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Tgt Ion: 70 Resp: 137865

Ion	Ratio	Lower	Upper
70	100		
42	61.2	62.5	93.7#
101	0.0	7.0	10.4#
130	2.3	15.2	22.8#

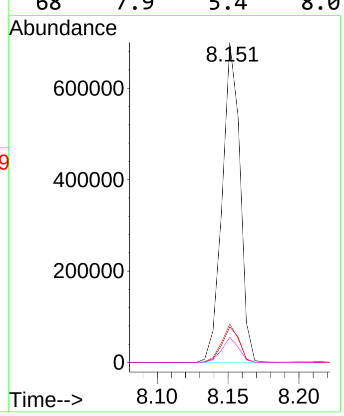


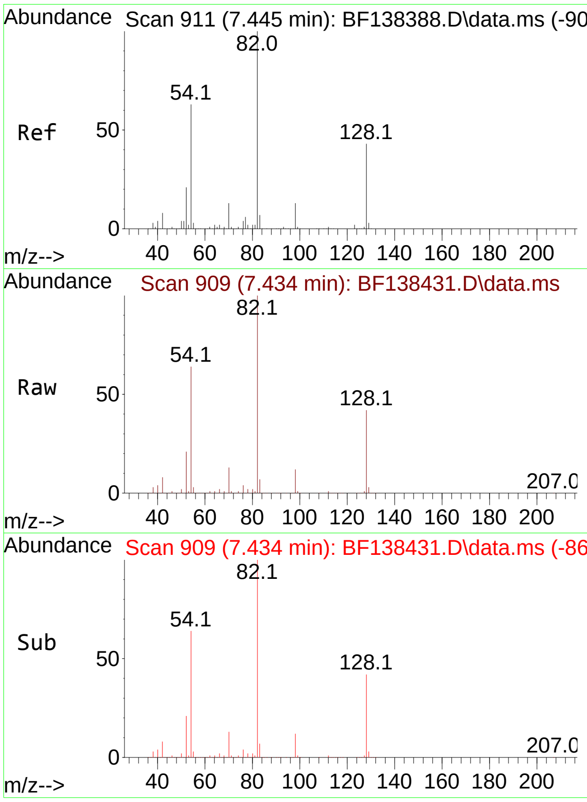


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Tgt Ion:136 Resp: 611510

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	12.0	9.0	13.4
68	7.9	5.4	8.0

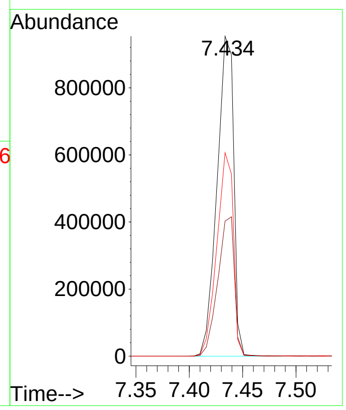


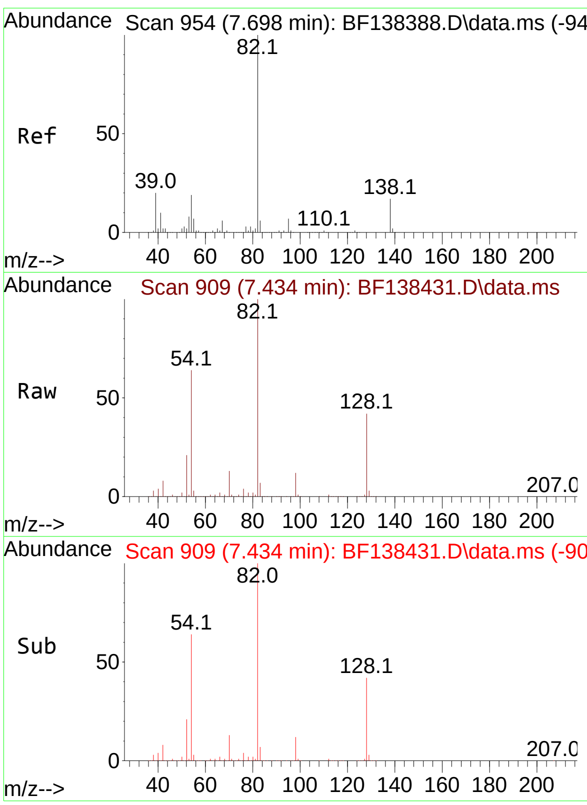



```
#23
Nitrobenzene-d5
Concen:   88.092 ng
RT:   7.434 min  Scan# 9
Delta R.T.  -0.012 min
Lab File:   BF138431.D
Acq: 02 Jul 2024  17:11

Tgt Ion: 82 Resp: 1036982
Ion  Ratio  Lower  Upper
 82  100
128   42.2   34.6   52.0
 54   63.6   50.5   75.7
```

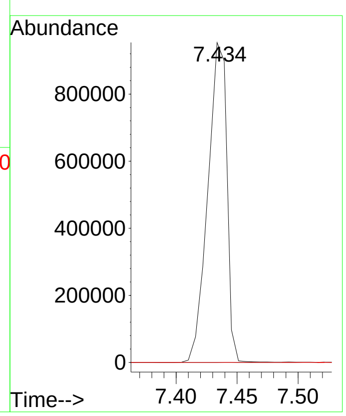
Instrument :
BNA_F
ClientSampleId :

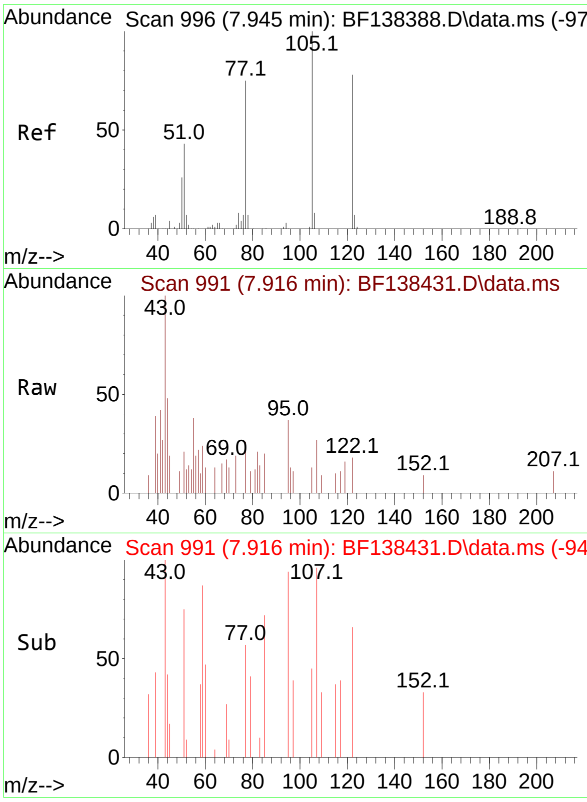





```
#25
Isophorone
Concen:   47.684 ng
RT:   7.434 min  Scan# 909
Delta R.T.  -0.265 min
Lab File:   BF138431.D
Acq: 02 Jul 2024  17:11

Tgt Ion: 82 Resp: 1035025
Ion  Ratio  Lower  Upper
 82  100
 95    0.0    5.7    8.5#
138    0.0   13.4   20.2#
```



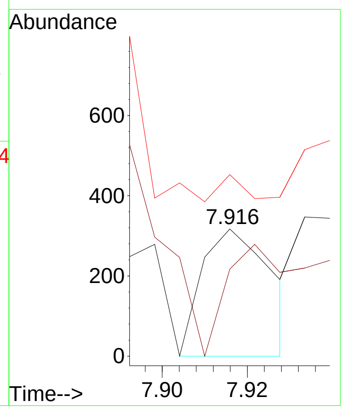


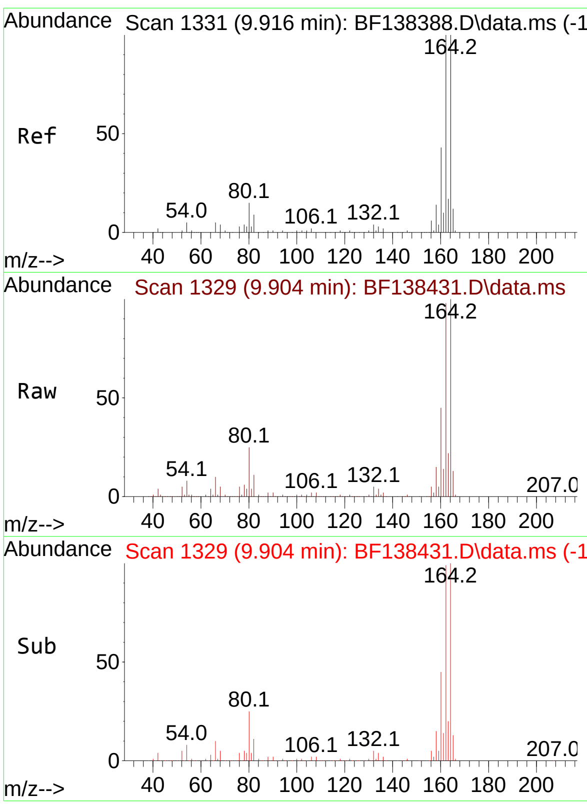
#32
Benzoic acid
Concen: 4.153 ng
RT: 7.916 min Scan# 99
Delta R.T. -0.029 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 358

Ion	Ratio	Lower	Upper
122	100		
105	68.5	103.8	143.8#
77	142.9	74.3	114.3#

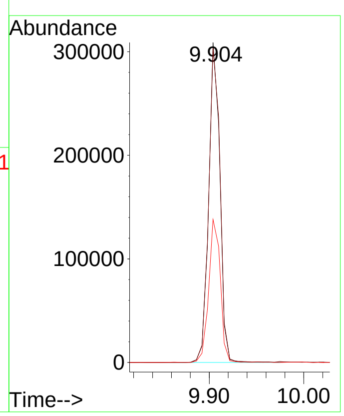


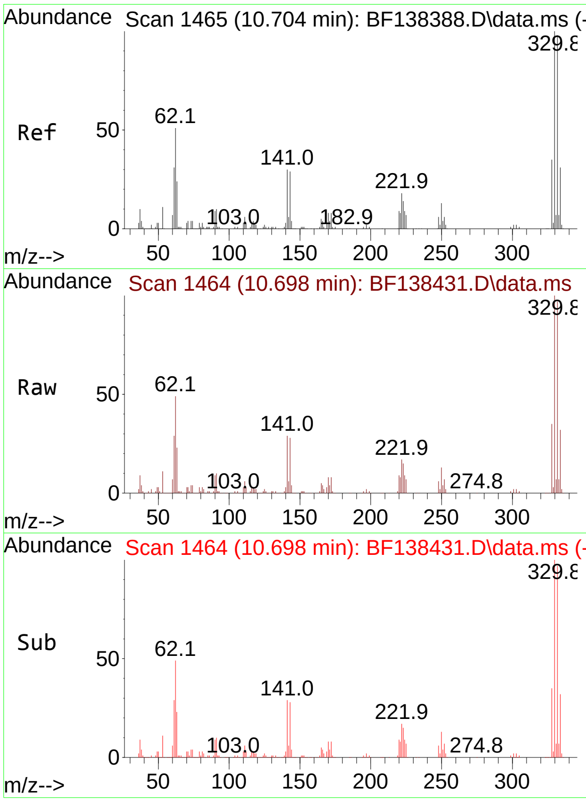


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Tgt Ion:164 Resp: 252701

Ion	Ratio	Lower	Upper
164	100		
162	98.2	80.1	120.1
160	44.7	34.1	51.1





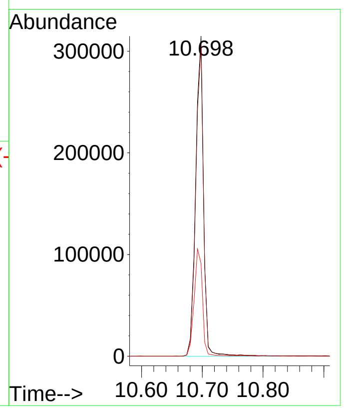
#42
2,4,6-Tribromophenol
Concen: 137.474 ng
RT: 10.698 min Scan# 14

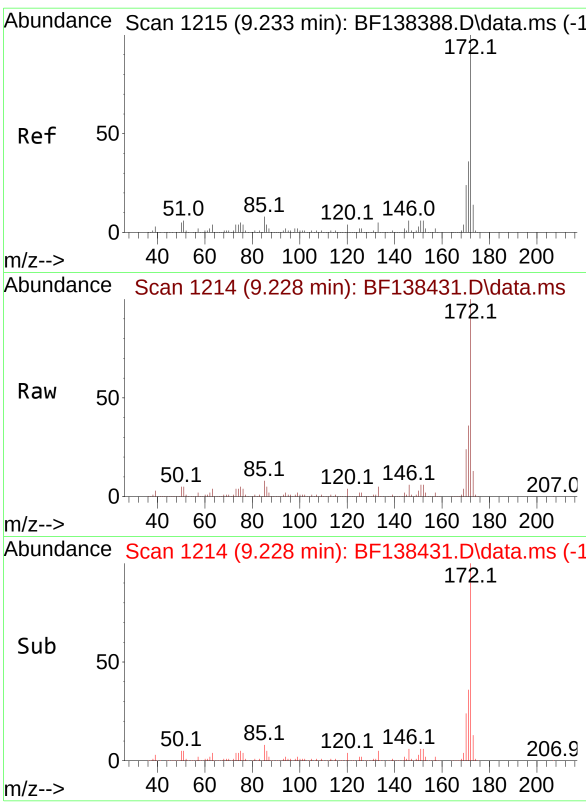
Instrument :
BNA_F
ClientSampleId :

Delta R.T. -0.006 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Tgt Ion:330 Resp: 283829

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	35.8	28.1	42.1

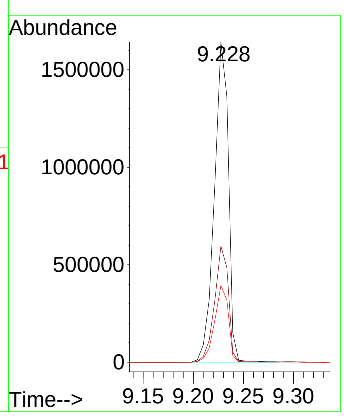


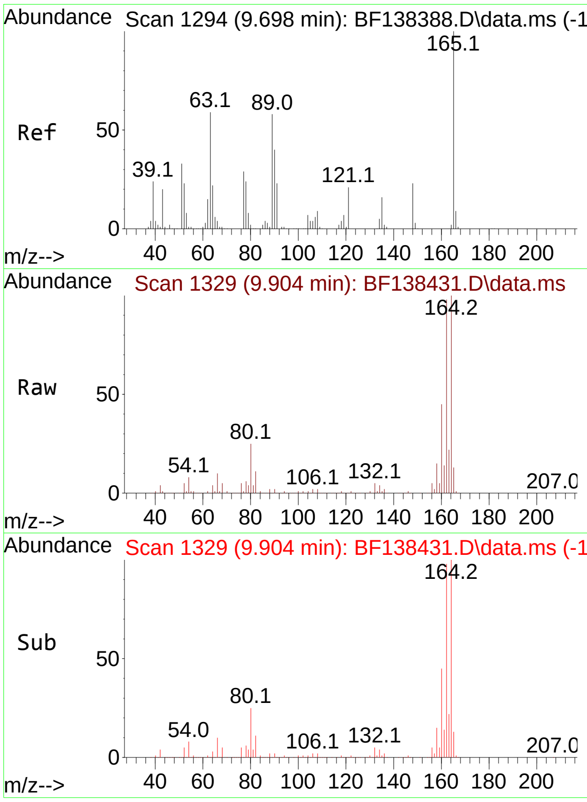


#45
2-Fluorobiphenyl
Concen: 101.056 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.005 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Tgt Ion:172 Resp: 1604623

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	23.9	19.0	28.6





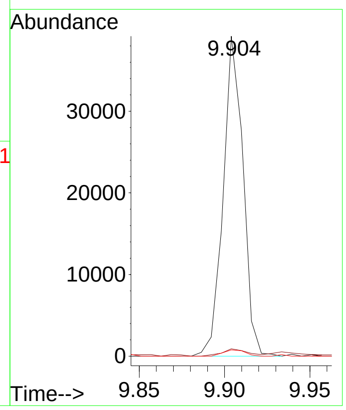
#51
2,6-Dinitrotoluene
Concen: 8.731 ng
RT: 9.904 min   Scan# 1

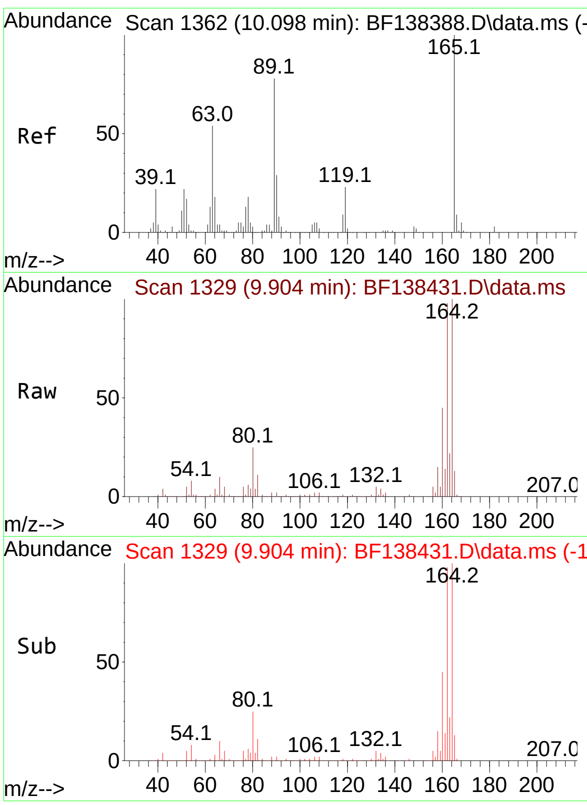
Instrument :
BNA_F
ClientSampleId :

Delta R.T.   0.206 min
Lab File: BF138431.D
Acq: 02 Jul 2024   17:11

Tgt Ion:165 Resp: 31756

Ion	Ratio	Lower	Upper
165	100		
63	2.3	53.8	80.8#
89	2.0	46.4	69.6#

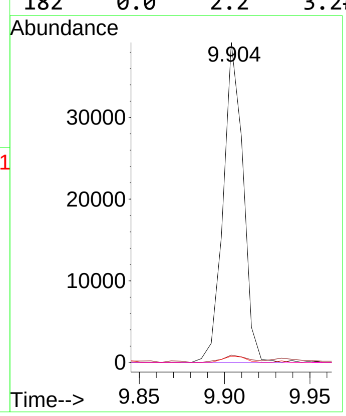


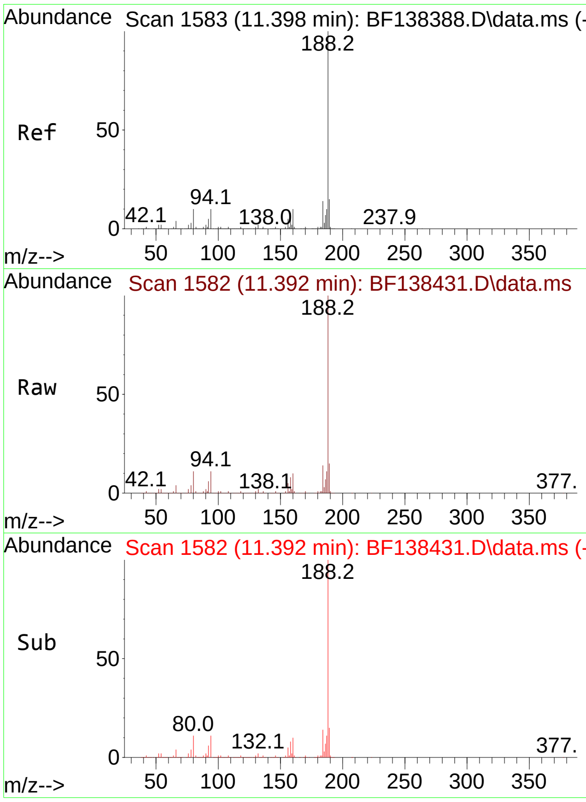


#57
2,4-Dinitrotoluene
Concen: 7.091 ng
RT: 9.904 min   Scan# 1329
Delta R.T.   -0.194 min
Lab File: BF138431.D
Acq: 02 Jul 2024   17:11

Tgt Ion:165 Resp: 31756

Ion	Ratio	Lower	Upper
165	100		
63	2.3	43.4	65.2#
89	2.0	62.6	93.8#
182	0.0	2.2	3.2#



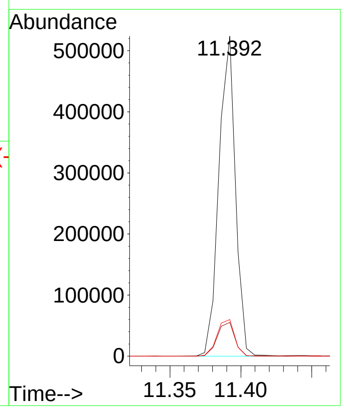


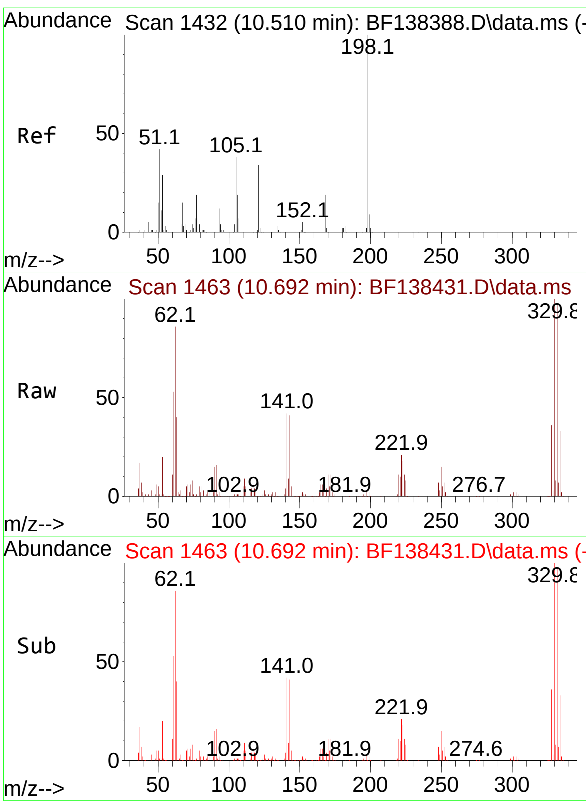
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 423112

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.0	12.0
80	11.5	8.2	12.4

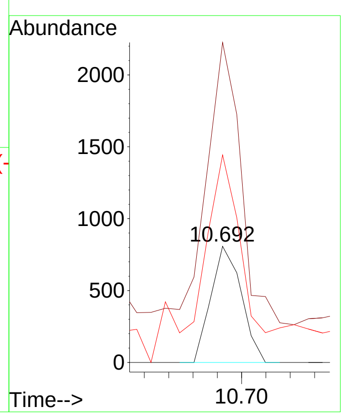


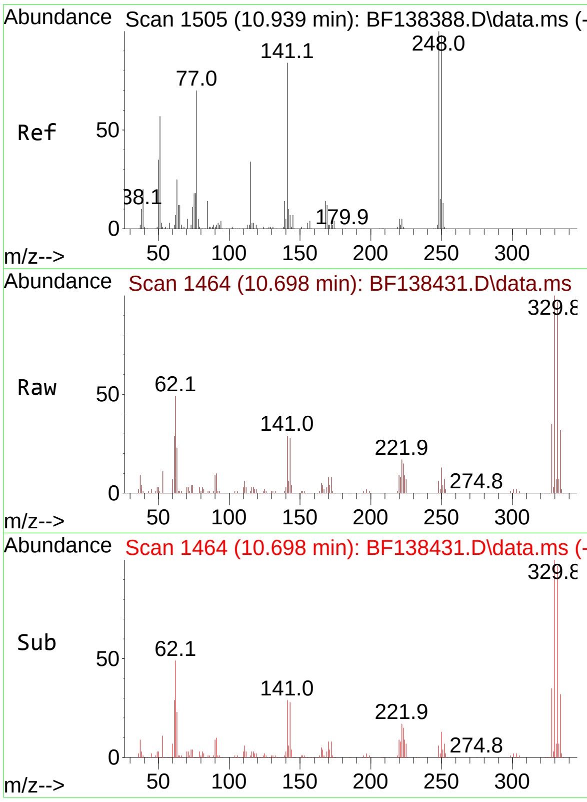


#65
4,6-Dinitro-2-methylphenol
Concen: 6.073 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.182 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Tgt Ion:198 Resp: 704

Ion	Ratio	Lower	Upper
198	100		
51	275.5	27.9	67.9#
105	178.6	18.2	58.2#



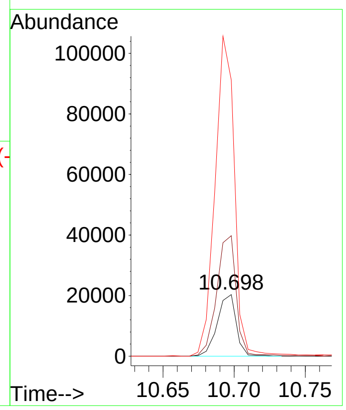


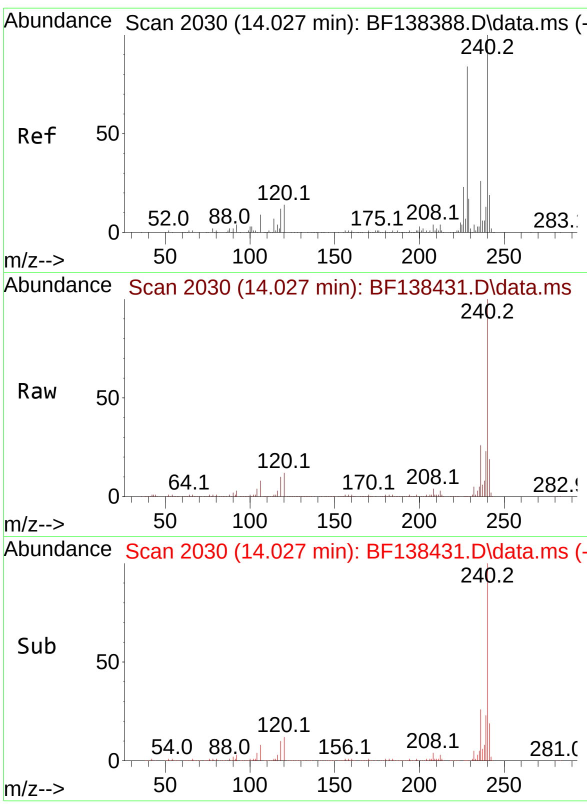
#67
4-Bromophenyl-phenylether
Concen: 4.150 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:248 Resp: 18874

Ion	Ratio	Lower	Upper
248	100		
250	195.2	78.2	117.4#
141	447.3	67.6	101.4#

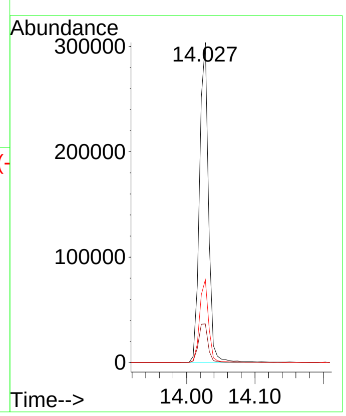


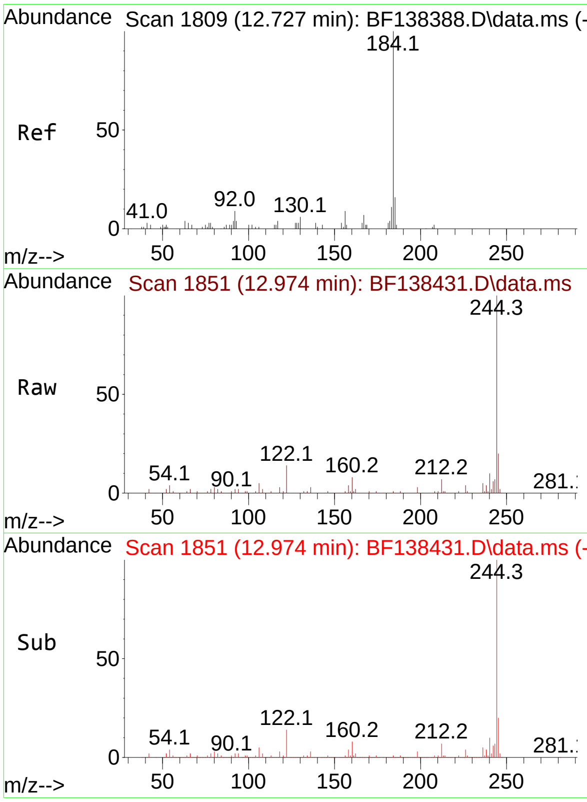


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Tgt Ion:240 Resp: 277655

Ion	Ratio	Lower	Upper
240	100		
120	12.0	10.9	16.3
236	25.8	20.6	30.8





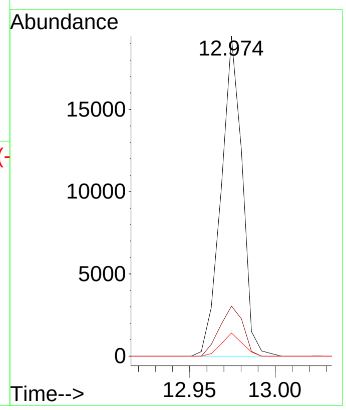
#77
Benzidine
Concen: 7.539 ng
RT: 12.974 min Scan# 1

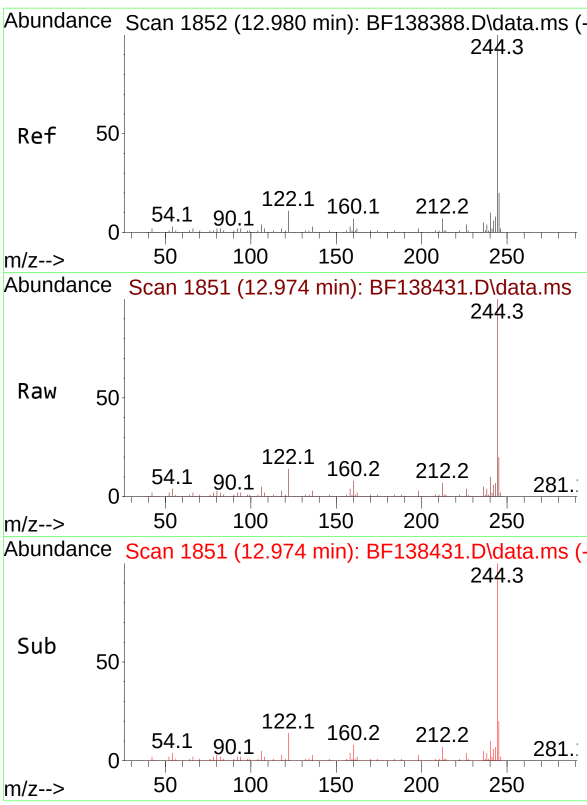
Instrument :
BNA_F
ClientSampleId :

Delta R.T. 0.247 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Tgt Ion:184 Resp: 16738

Ion	Ratio	Lower	Upper
184	100		
185	15.6	13.0	19.4
183	7.2	9.0	13.6#

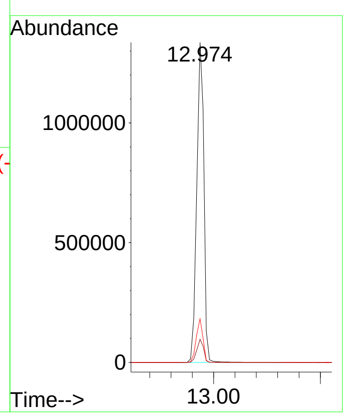


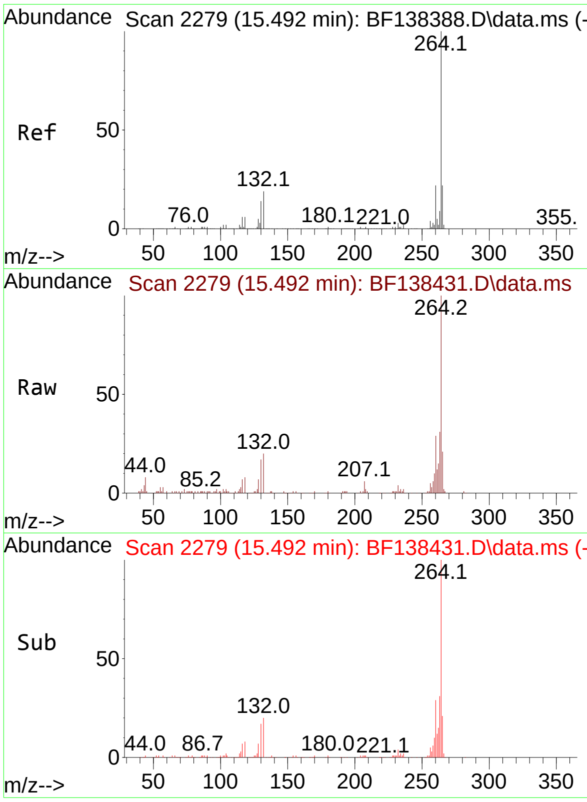


#79
Terphenyl-d14
Concen: 61.119 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Tgt Ion:244 Resp: 1238304

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	13.7	9.0	13.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138431.D
Acq: 02 Jul 2024 17:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 78387

Ion	Ratio	Lower	Upper
264	100		
260	29.1	17.8	26.6#
265	20.5	17.5	26.3