Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051724\
Data File : BF137945.D
Acq On : 17 May 2024 21:42
Operator : CG\JU
Sample : P2513-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-15

Quant Time: May 17 22:56:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 15 04:12:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.039	152	124985	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	482462	20.000	ng	0.00
39) Acenaphthene-d10	10.080	164	276447	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	493700	20.000	ng	0.00
76) Chrysene-d12	14.221	240	289794	20.000	ng	0.00
86) Perylene-d12	15.786	264	308708	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	840706	114.259	ng	0.01
7) Phenol-d6	6.657	99	932783	102.913	ng	0.00
23) Nitrobenzene-d5	7.604	82	690153	84.184	ng	0.00
42) 2,4,6-Tribromophenol	10.874	330	390834	140.214	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1497071	83.418	ng	0.00
79) Terphenyl-d14	13.163	244	1780775	90.565	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.604	70	91209	17.911	ng	# 74
25) Isophorone	7.604	82	690145	48.505	ng	# 64
51) 2,6-Dinitrotoluene	10.080	165	36497	9.173	ng	# 29
57) 2,4-Dinitrotoluene	10.080	165	36497	7.096	ng	# 33
67) 4-Bromophenyl-phenylether	10.874	248	25292	4.673	ng	# 1
77) Benzidine	13.163	184	21508	5.679	ng	# 92

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

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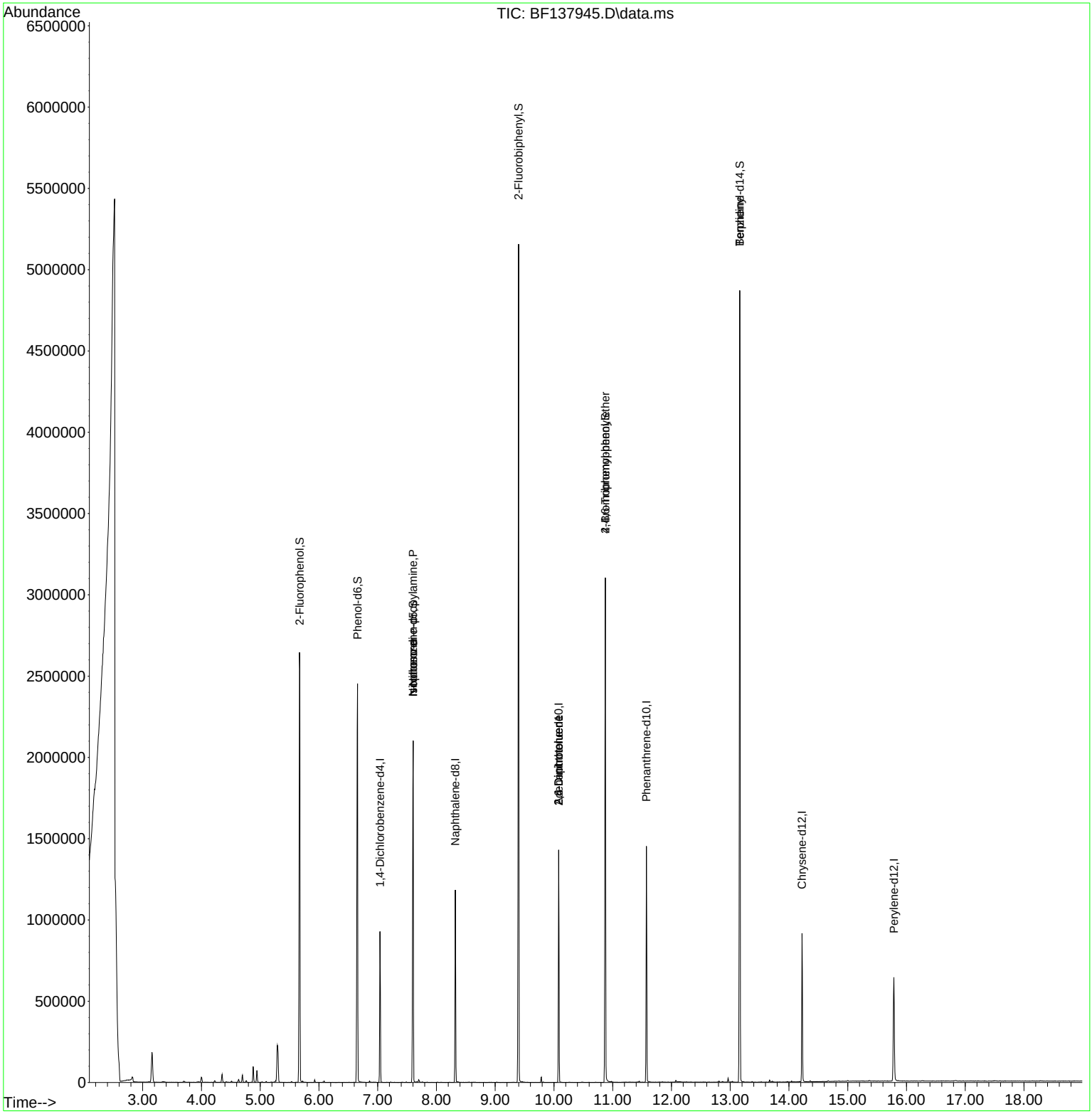
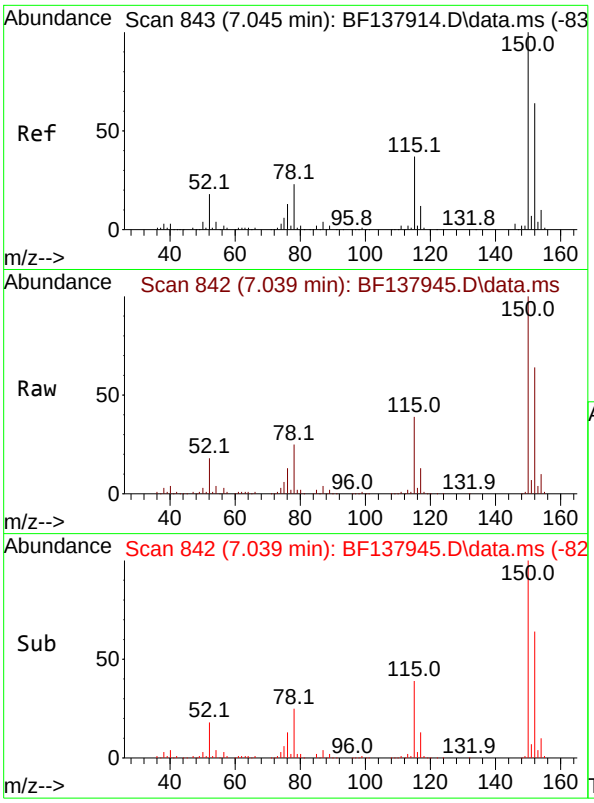


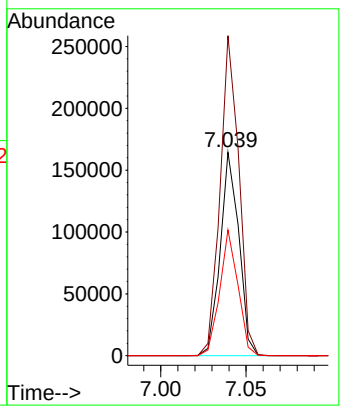


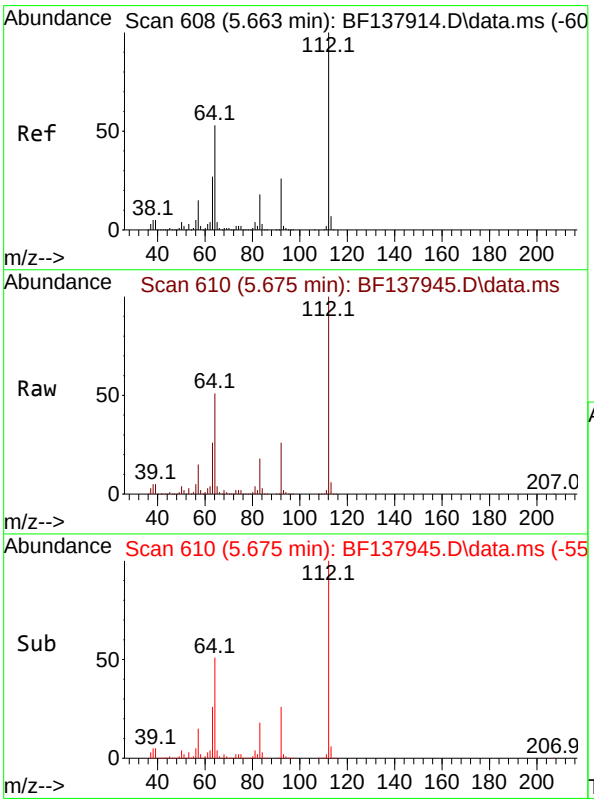
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.039 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Instrument :
BNA_F
ClientSampleId :
TP-15

Tgt Ion:152 Resp: 124985

Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.7	188.5
115	61.8	47.0	70.6

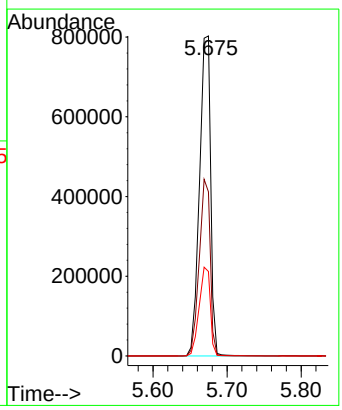


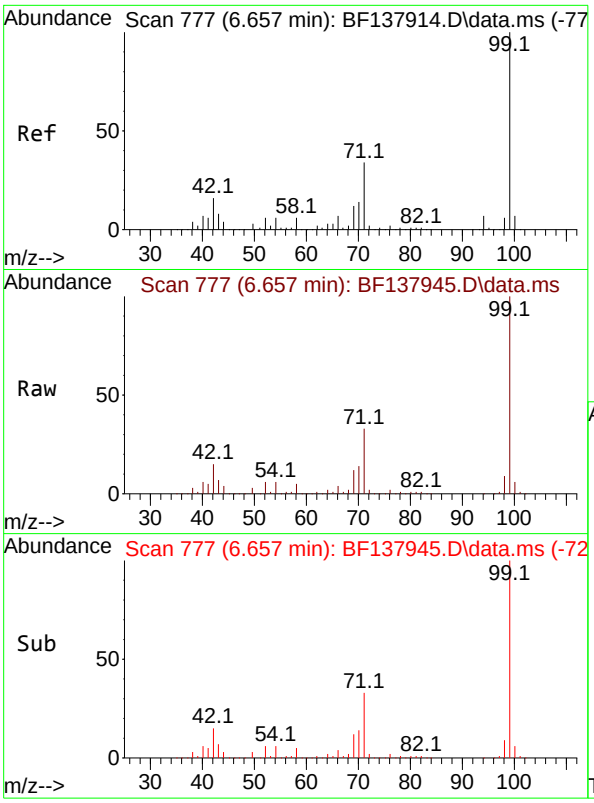


#5
2-Fluorophenol
Concen: 114.259 ng
RT: 5.675 min Scan# 610
Delta R.T. 0.012 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Tgt Ion:112 Resp: 840706

Ion	Ratio	Lower	Upper
112	100		
64	51.3	42.4	63.6
63	26.4	21.4	32.2



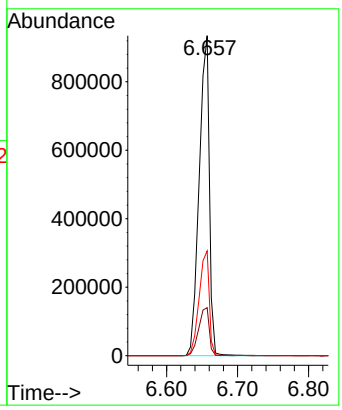


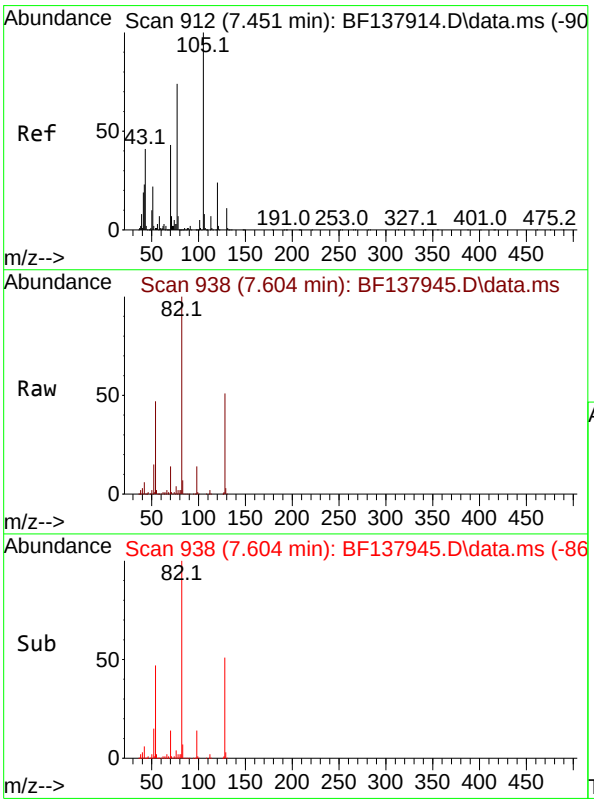
#7
Phenol-d6
Concen: 102.913 ng
RT: 6.657 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Instrument :
BNA_F
ClientSampleId :
TP-15

Tgt Ion: 99 Resp: 932783

Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.6	18.8
71	32.8	27.1	40.7

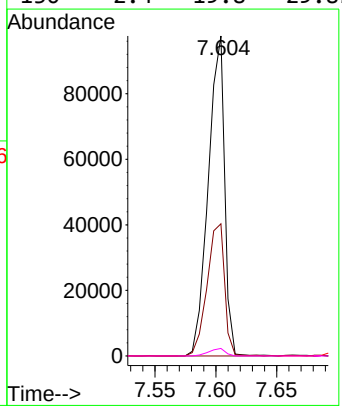


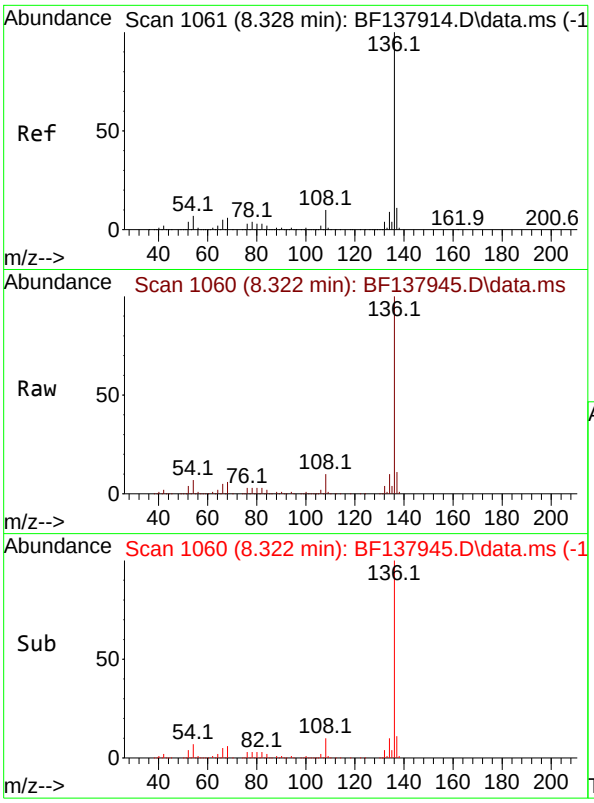


#19
n-Nitroso-di-n-propylamine
Concen: 17.911 ng
RT: 7.604 min Scan# 938
Delta R.T. 0.153 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Tgt Ion: 70 Resp: 91209

Ion	Ratio	Lower	Upper
70	100		
42	41.3	42.2	63.4#
101	0.0	8.8	13.2#
130	2.4	19.8	29.8#



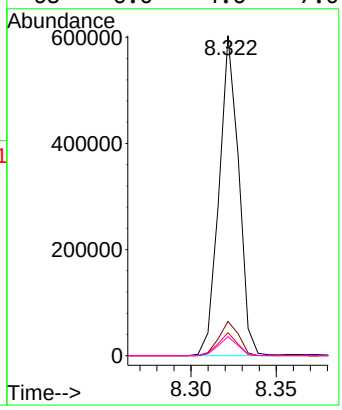


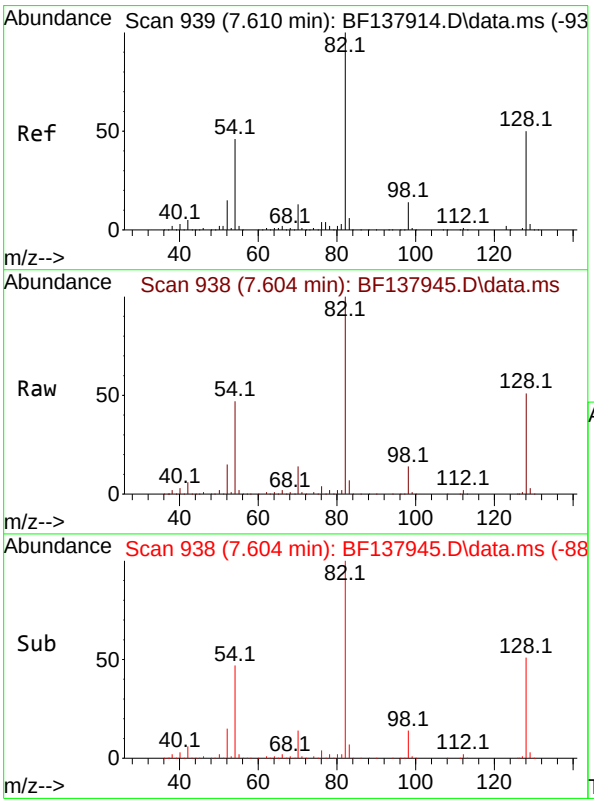
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Instrument :
BNA_F
ClientSampleId :
TP-15

Tgt Ion:136 Resp: 482462

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	7.2	5.4	8.2
68	6.0	4.6	7.0

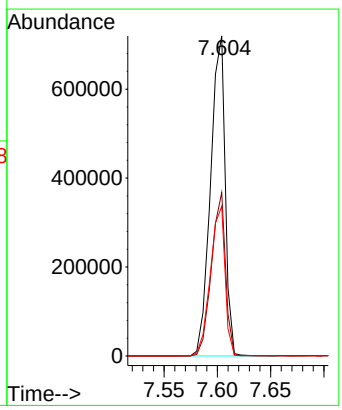


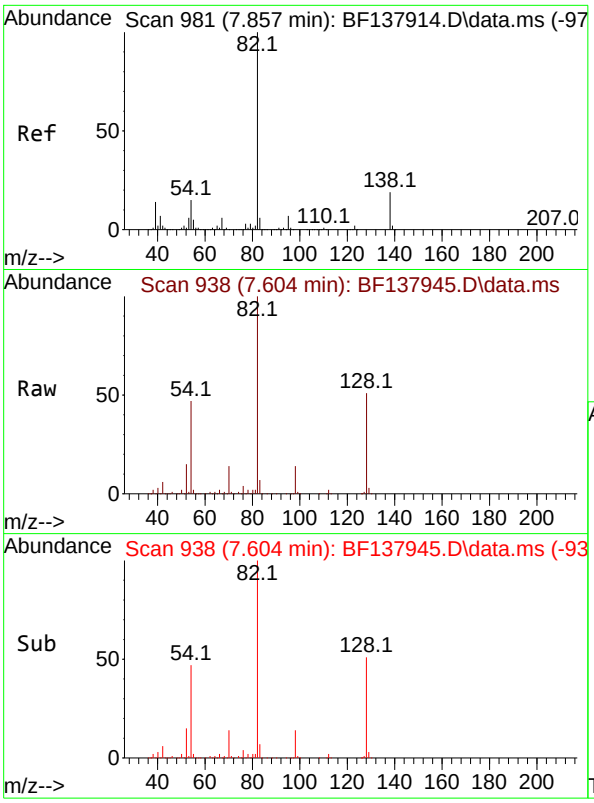


#23
Nitrobenzene-d5
Concen: 84.184 ng
RT: 7.604 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Tgt Ion: 82 Resp: 690153

Ion	Ratio	Lower	Upper
82	100		
128	51.1	40.3	60.5
54	46.8	36.8	55.2



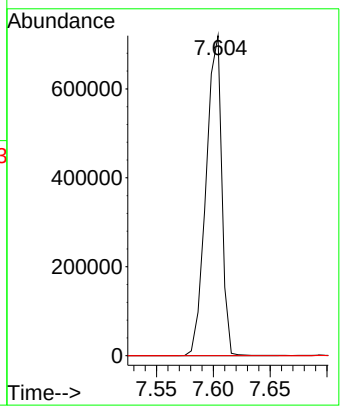


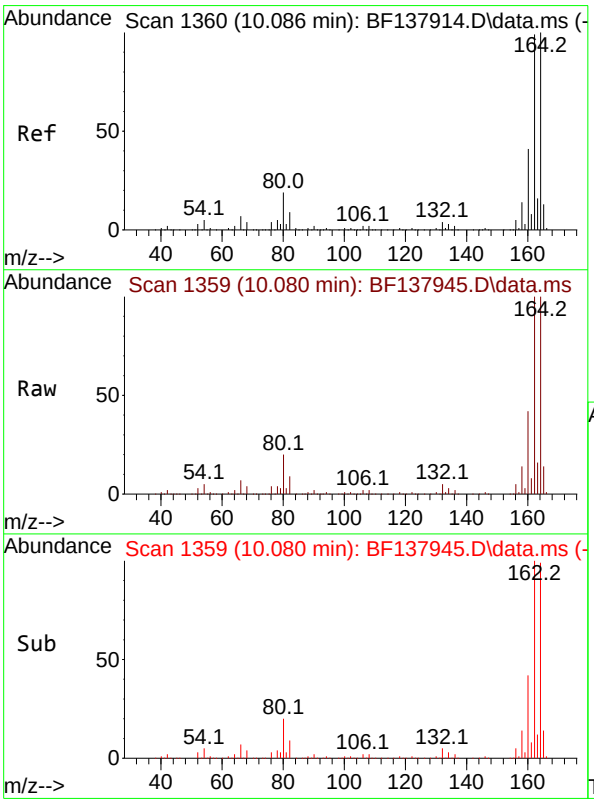
#25
Isophorone
Concen: 48.505 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.253 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Instrument :
BNA_F
ClientSampleId :
TP-15

Tgt Ion: 82 Resp: 690145

Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.0	9.0#
138	0.0	15.0	22.4#

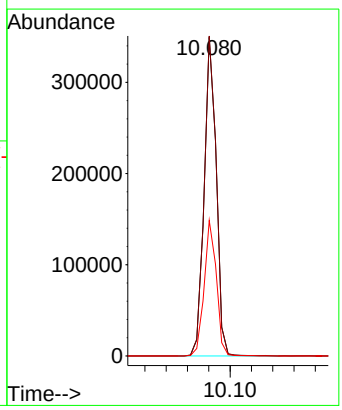


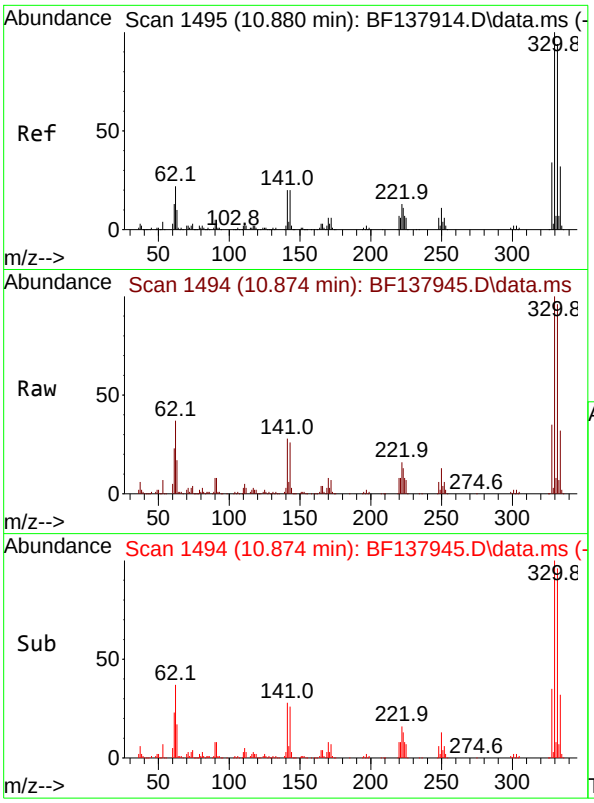


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Tgt Ion:164 Resp: 276447

Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.4	119.2
160	42.5	33.1	49.7



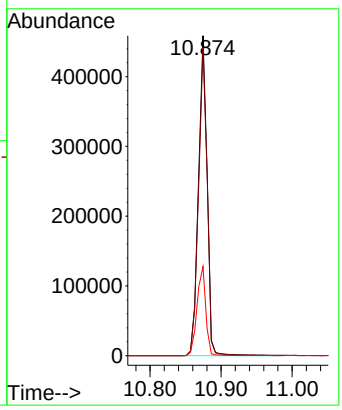


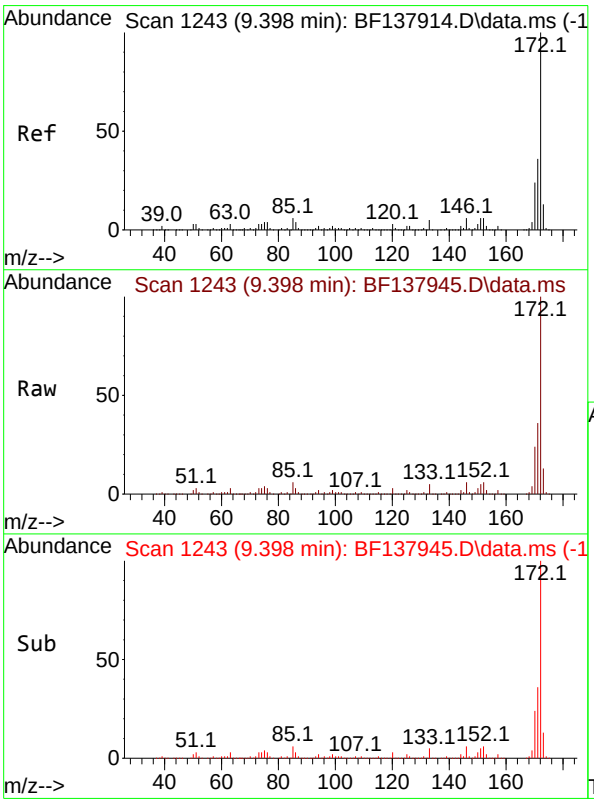
#42
2,4,6-Tribromophenol
Concen: 140.214 ng
RT: 10.874 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Instrument :
BNA_F
ClientSampleId :
TP-15

Tgt Ion:330 Resp: 390834

Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.8	113.8
141	28.4	23.8	35.6

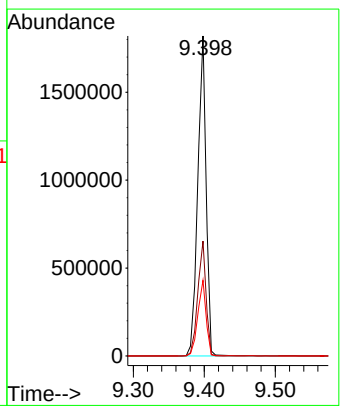


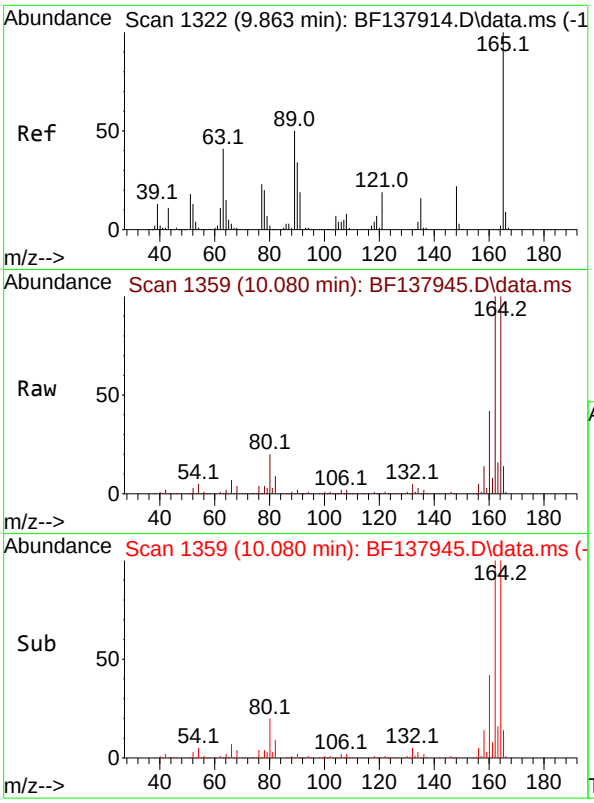


#45
2-Fluorobiphenyl
Concen: 83.418 ng
RT: 9.398 min Scan# 1243
Delta R.T. -0.000 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Tgt Ion:172 Resp: 1497071

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.9	43.3
170	23.6	18.9	28.3



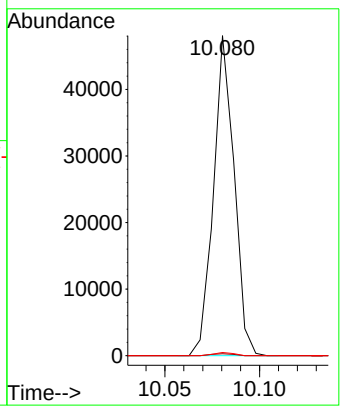


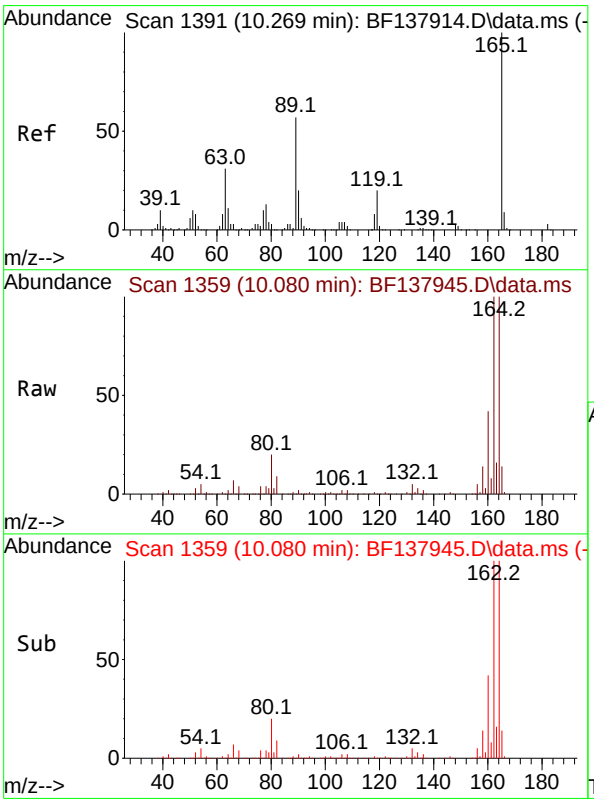
#51
2,6-Dinitrotoluene
Concen: 9.173 ng
RT: 10.080 min Scan# 1
Delta R.T. 0.218 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Instrument :
BNA_F
ClientSampleId :
TP-15

Tgt Ion:165 Resp: 36497

Ion	Ratio	Lower	Upper
165	100		
63	0.6	38.9	58.3#
89	1.0	40.4	60.6#

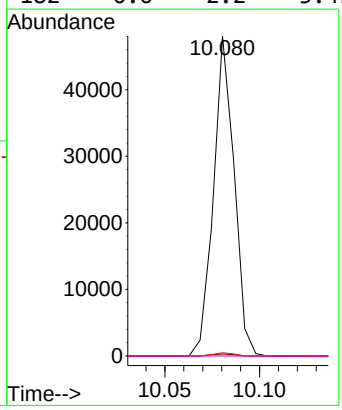


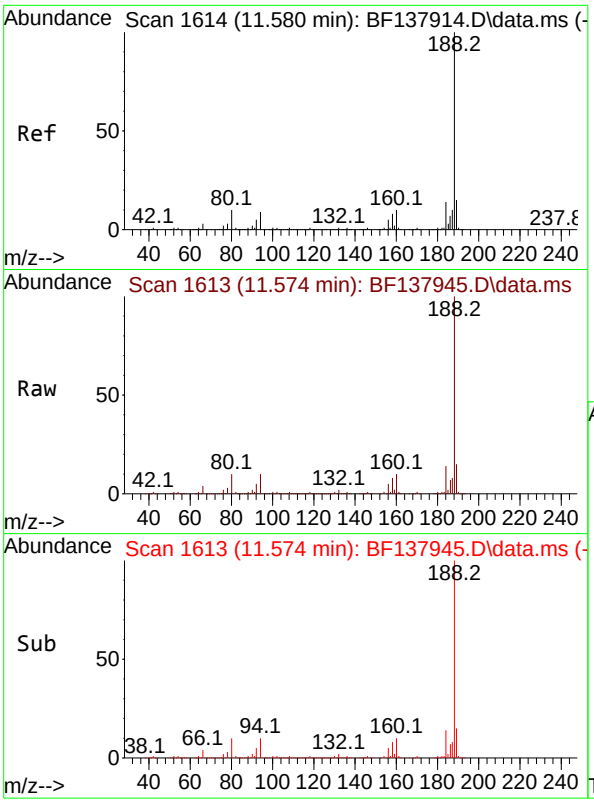


#57
2,4-Dinitrotoluene
Concen: 7.096 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Tgt Ion:165 Resp: 36497

Ion	Ratio	Lower	Upper
165	100		
63	0.6	25.3	37.9#
89	1.0	45.9	68.9#
182	0.0	2.2	3.4#



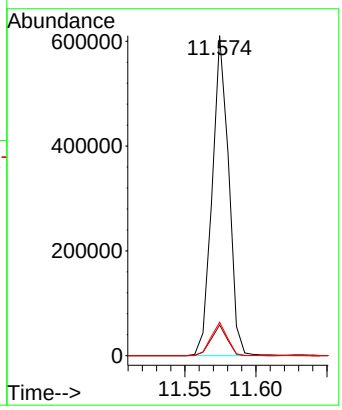


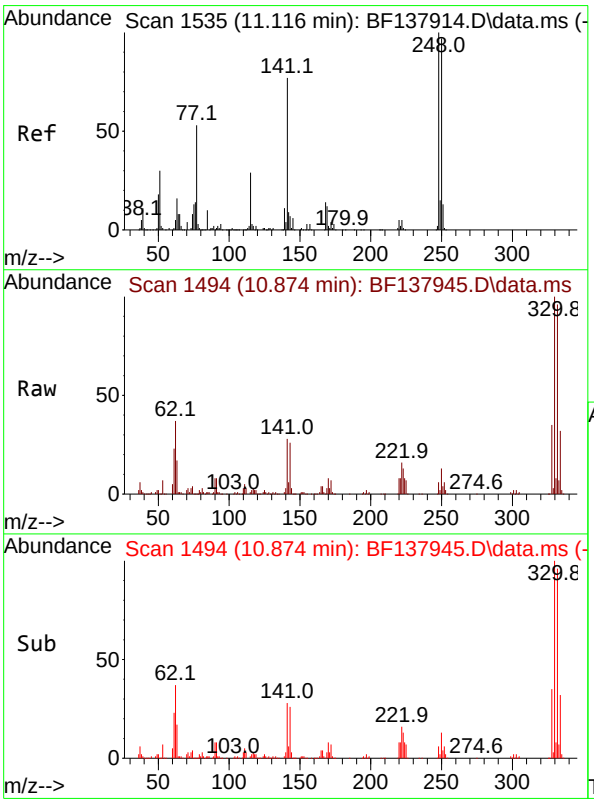
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Instrument :
BNA_F
ClientSampleId :
TP-15

Tgt Ion:188 Resp: 493700

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.0	10.4
80	10.4	7.7	11.5

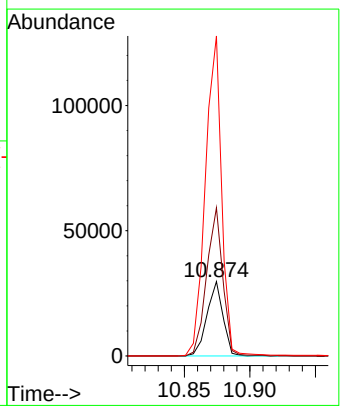


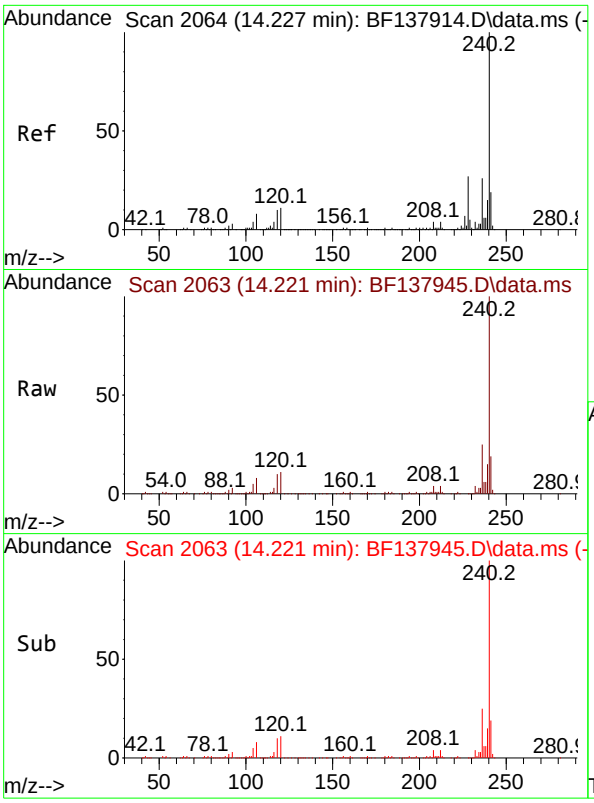


#67
4-Bromophenyl-phenylether
Concen: 4.673 ng
RT: 10.874 min Scan# 1494
Delta R.T. -0.241 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Tgt Ion:248 Resp: 25292

Ion	Ratio	Lower	Upper
248	100		
250	199.0	77.6	116.4#
141	429.7	61.4	92.2#



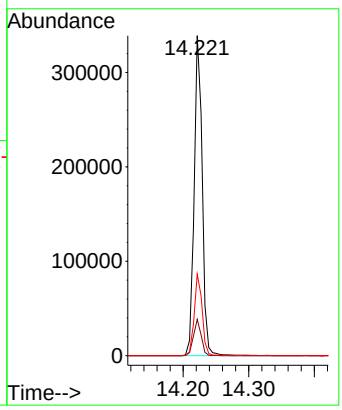


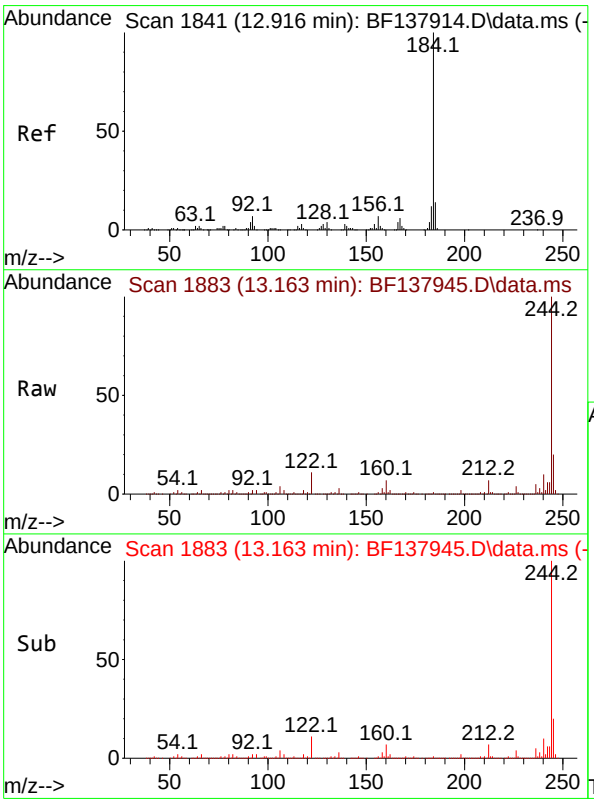
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.221 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Instrument :
BNA_F
ClientSampleId :
TP-15

Tgt Ion:240 Resp: 289794

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.9	13.3
236	25.5	21.0	31.4

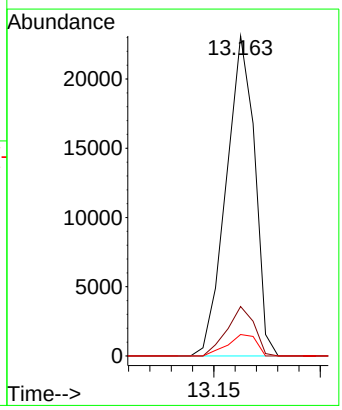


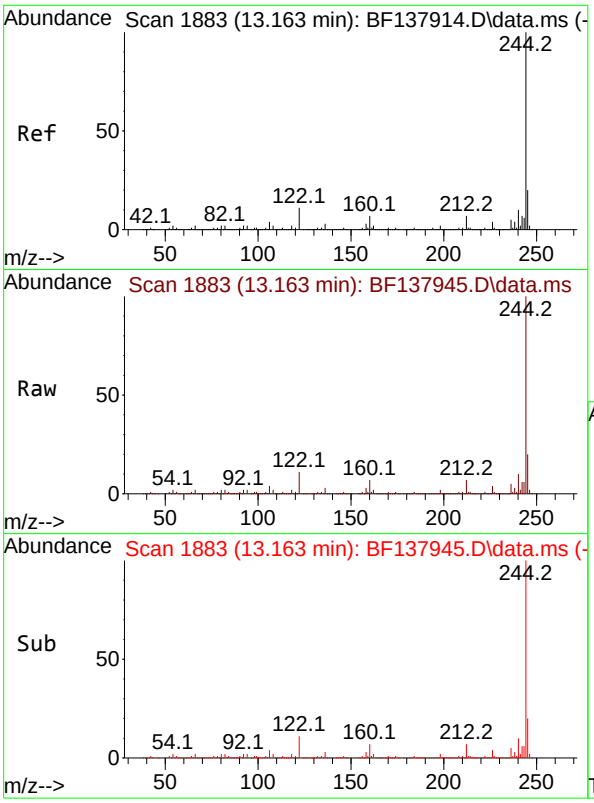


#77
Benzidine
Concen: 5.679 ng
RT: 13.163 min Scan# 1883
Delta R.T. 0.247 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Tgt Ion:184 Resp: 21508

Ion	Ratio	Lower	Upper
184	100		
185	15.4	11.4	17.2
183	6.7	9.5	14.3#



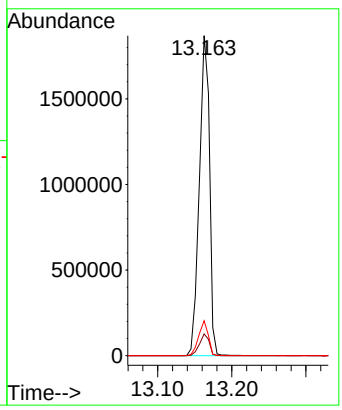


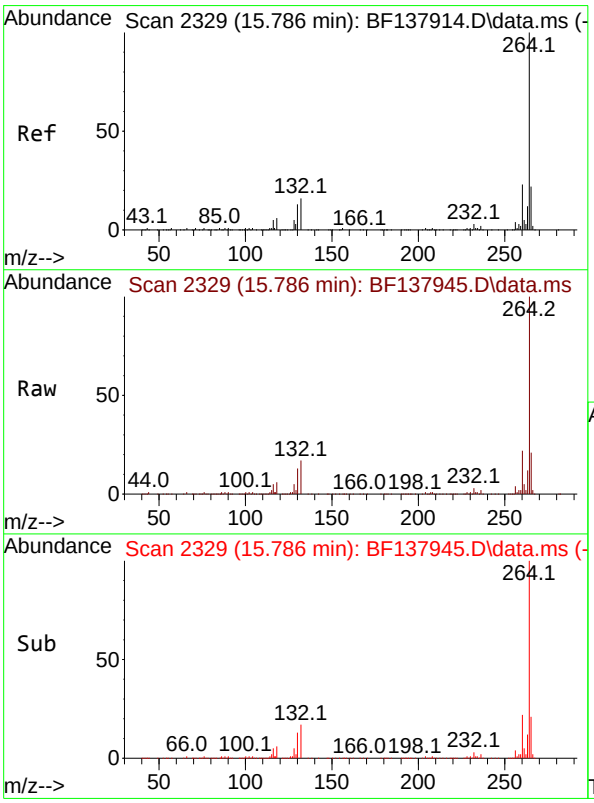
#79
Terphenyl-d14
Concen: 90.565 ng
RT: 13.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Instrument :
BNA_F
ClientSampleId :
TP-15

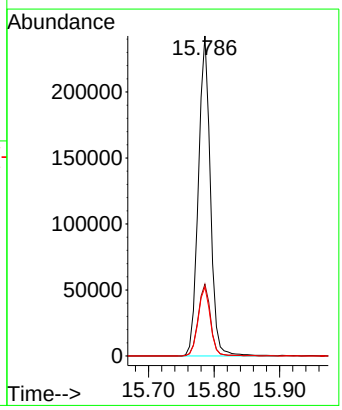
Tgt Ion:244 Resp: 1780775

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.9	8.8	13.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.786 min Scan# 2329
Delta R.T. -0.000 min
Lab File: BF137945.D
Acq: 17 May 2024 21:42

Tgt Ion:264 Resp: 308708

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.3	27.5
265	21.5	17.6	26.4