Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070620\
Data File : BF120769.D
Acq On : 6 Jul 2020 10:37
Operator : JU/CG
Sample : PB129506BL
Misc : PBBL01-MDL-SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId :

Quant Time: Jul 06 14:30:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 02 18:51:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	176228	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	669186	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	336251	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	625840	20.00	ng	0.00
76) Chrysene-d12	14.00	240	466387	20.00	ng	0.00
86) Perylene-d12	15.47	264	431877	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1328779	116.39	ng	0.00
7) Phenol-d6	6.47	99	1607258	110.24	ng	0.00
23) Nitrobenzene-d5	7.41	82	1005044	87.02	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	409772	121.30	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1723582	77.55	ng	0.00
79) Terphenyl-d14	12.96	244	1972497	82.81	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	139670	15.911	ng	# 77
25) Isophorone	7.41	82	1005023	40.348	ng	# 64
48) 2-Nitroaniline	9.21	65	2809	3.028	ng	# 1
51) 2,6-Dinitrotoluene	9.89	165	43343	10.747	ng	# 17
57) 2,4-Dinitrotoluene	9.89	165	43343	9.755	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	1172	7.388	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	24178	3.330	ng	# 1
77) Benzidine	12.96	184	29120	2.212	ng	# 93

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

Quantitation Report (Not Reviewed)

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BNA_P
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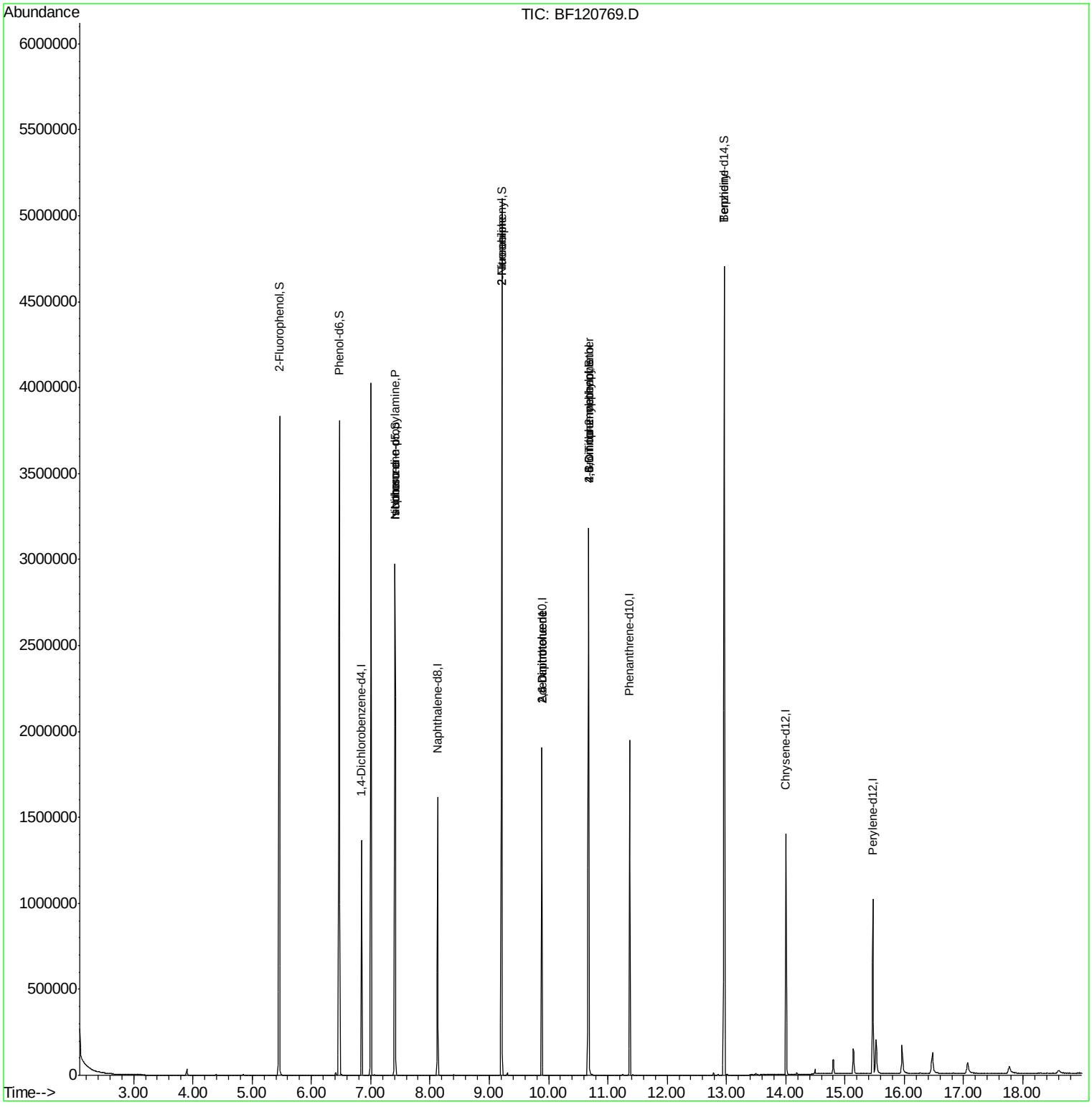
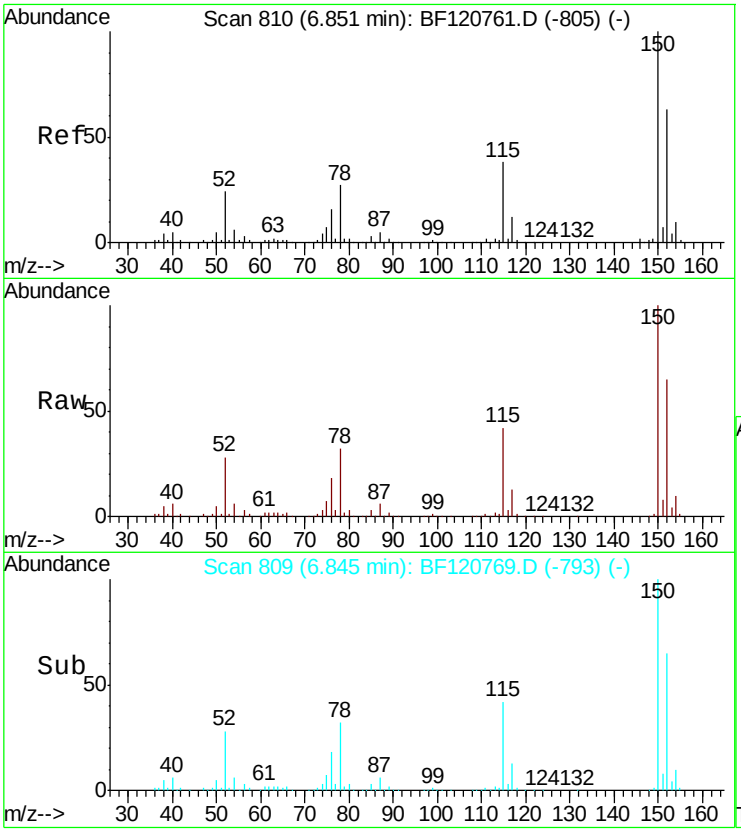
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 02 18:51:52 2020
Response via : Initial Calibration

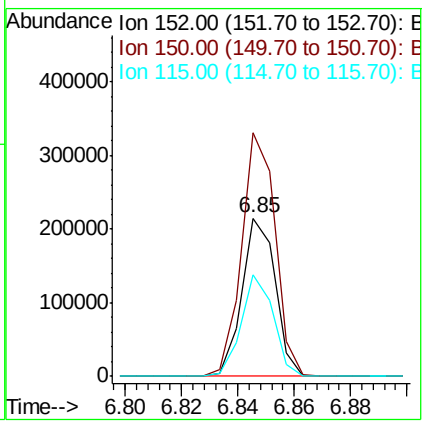




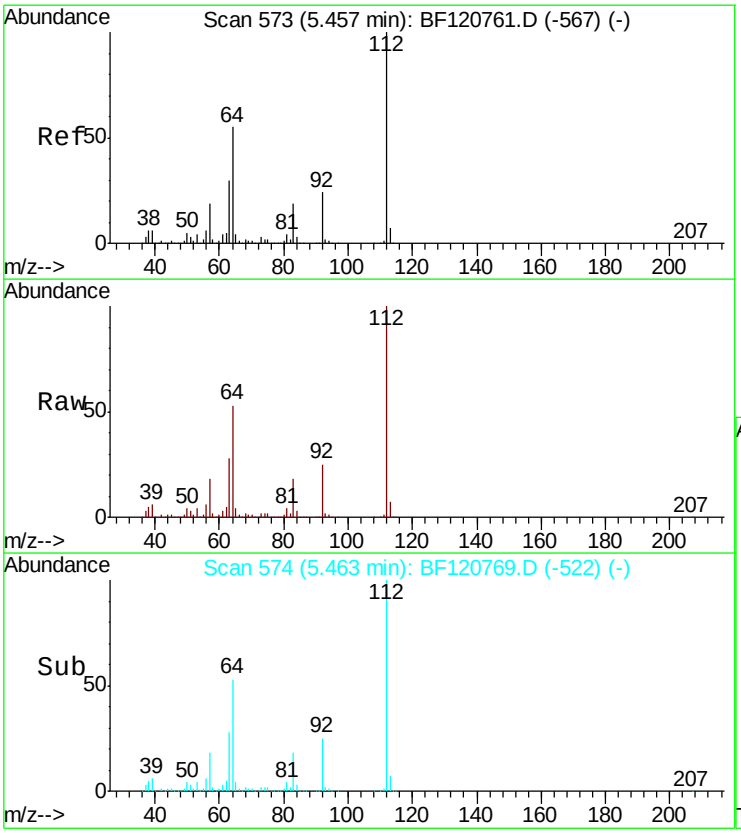
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Tgt Ion:152 Resp: 176228

Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.1	189.1
115	64.3	48.5	72.7



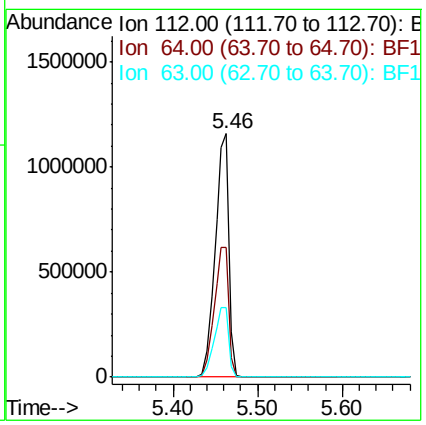
Instrument :
BNA_P
ClientSampleId :

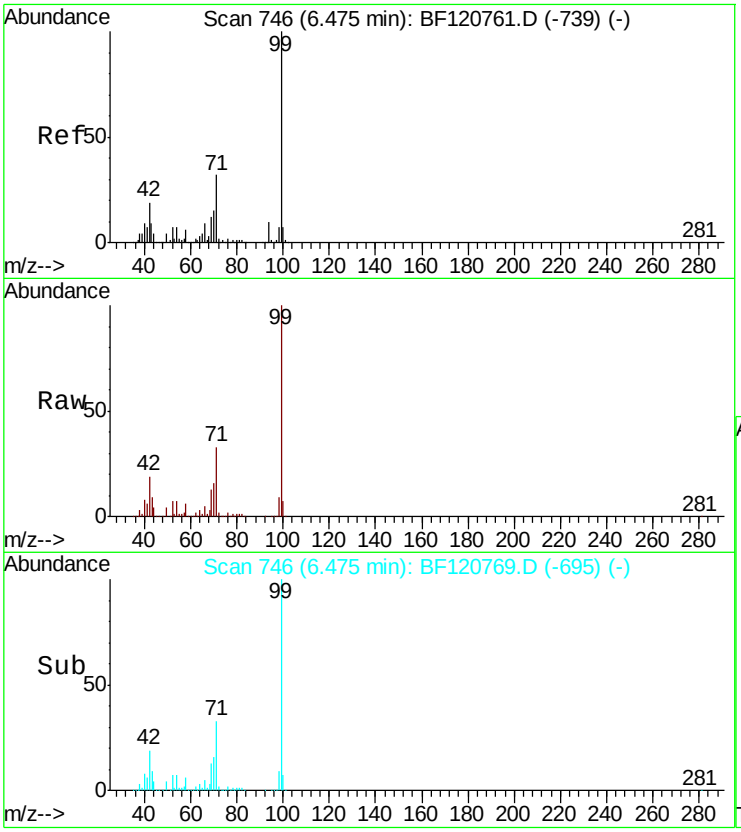


#5
2-Fluorophenol
Concen: 116.393 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.01 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Tgt Ion:112 Resp: 1328779

Ion	Ratio	Lower	Upper
112	100		
64	53.1	43.8	65.6
63	28.3	23.6	35.4



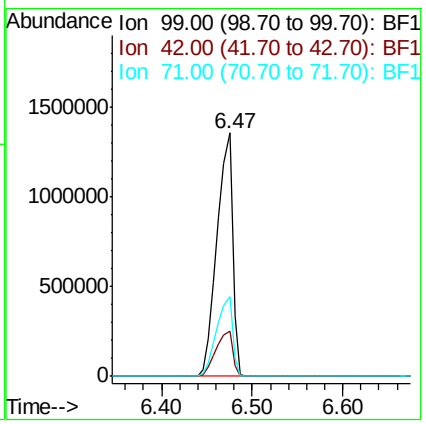


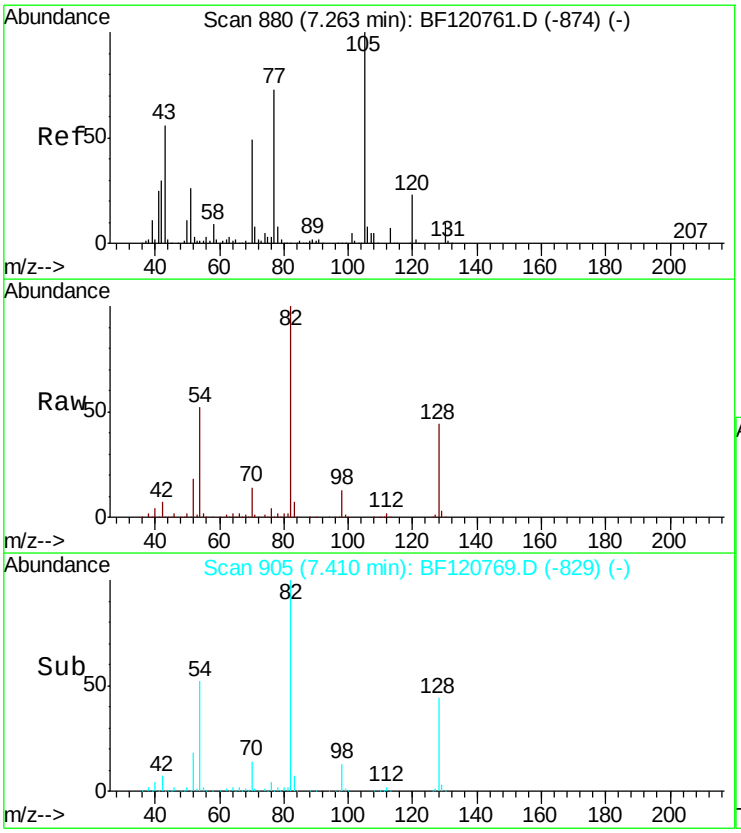
#7
Phenol-d6
Concen: 110.244 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Instrument :
BNA_P
ClientSampleId :

Tgt Ion: 99 Resp: 1607258

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.4	23.0
71	32.8	25.9	38.9

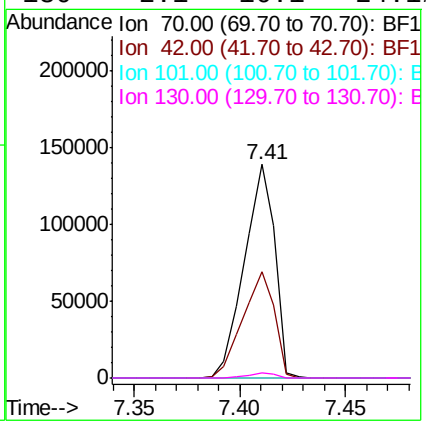


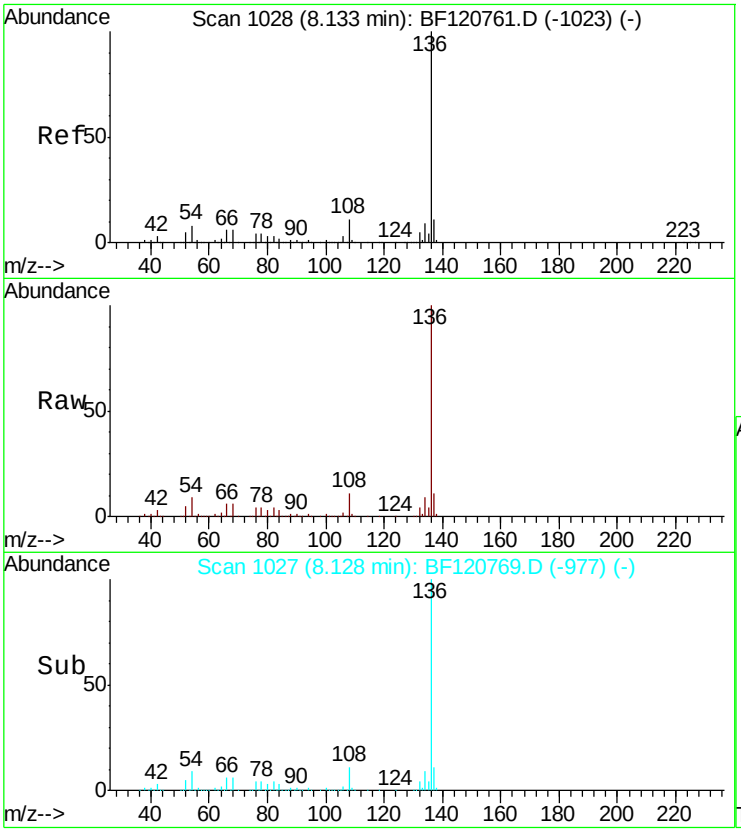


#19
n-Nitroso-di-n-propylamine
Concen: 15.911 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.15 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Tgt Ion: 70 Resp: 139670

Ion	Ratio	Lower	Upper
70	100		
42	49.5	50.3	75.5#
101	0.0	7.5	11.3#
130	2.1	16.1	24.1#



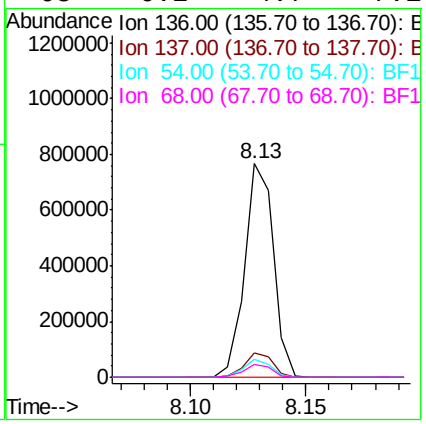


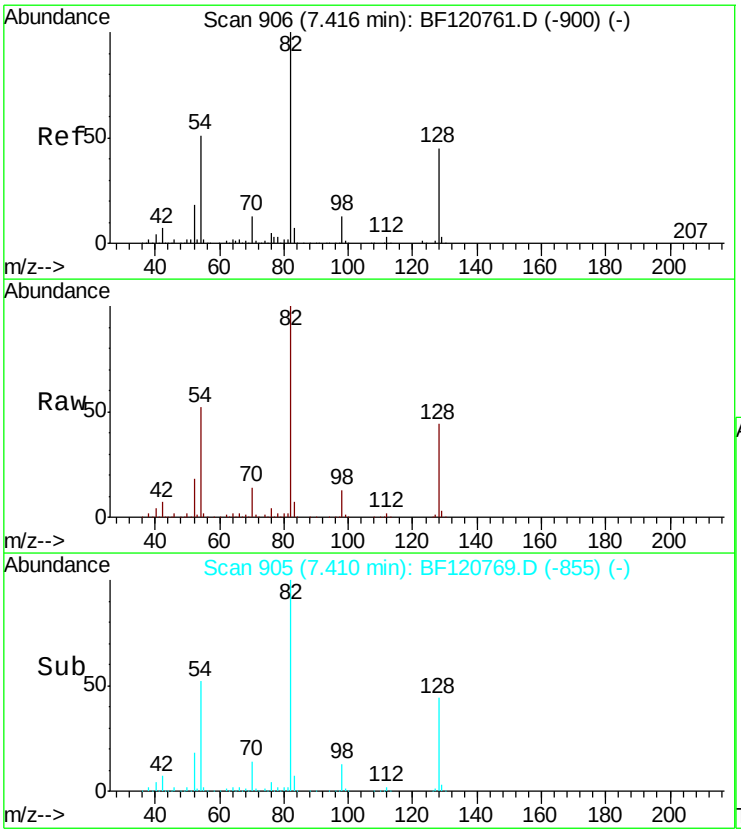
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:136 Resp: 669186

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	8.7	6.2	9.4
68	6.2	4.7	7.1

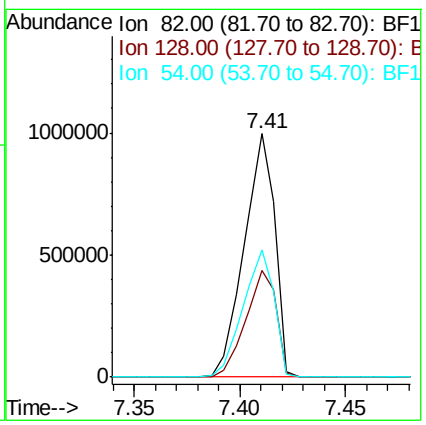


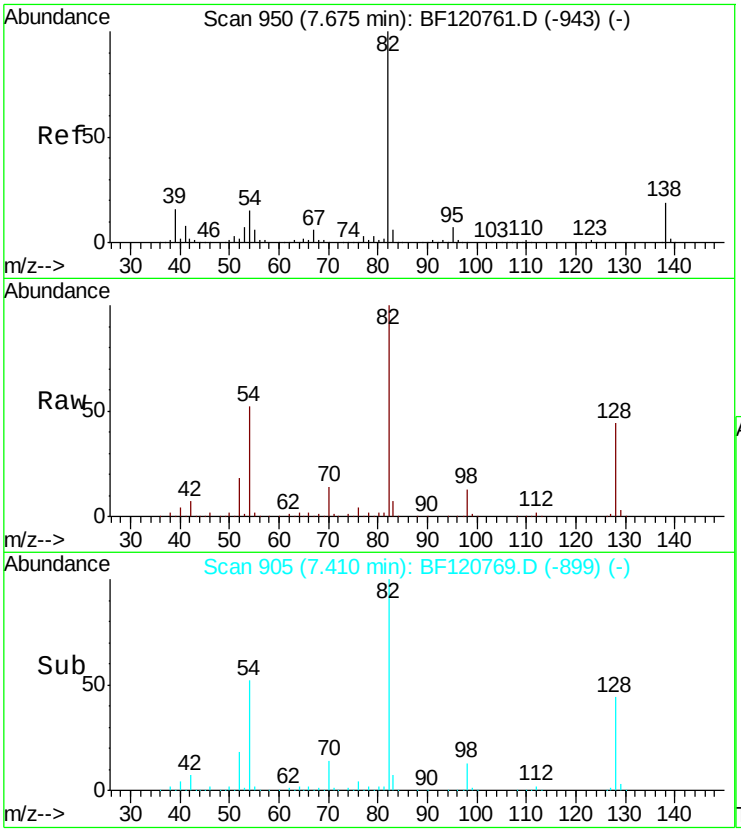


#23
Nitrobenzene-d5
Concen: 87.016 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Tgt Ion: 82 Resp: 1005044

Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.7	53.5
54	52.1	40.9	61.3



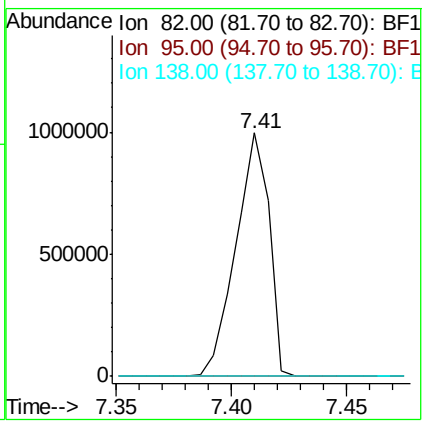


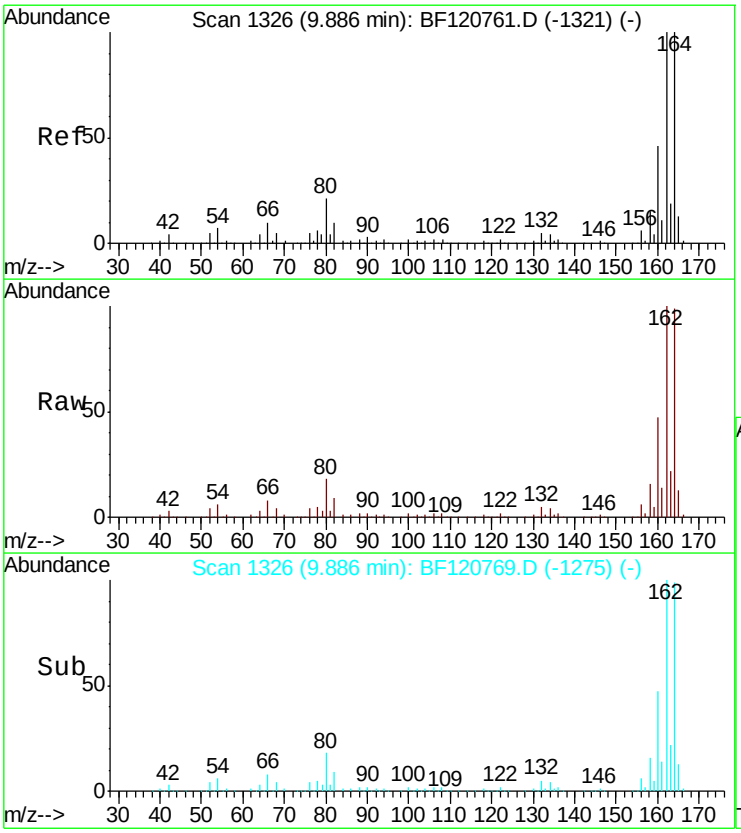
#25
Isophorone
Concen: 40.348 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Instrument :
BNA_P
ClientSampleId :

Tgt Ion: 82 Resp: 1005023

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	15.0	22.4#

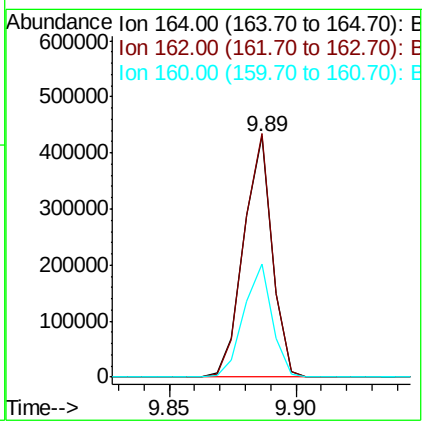


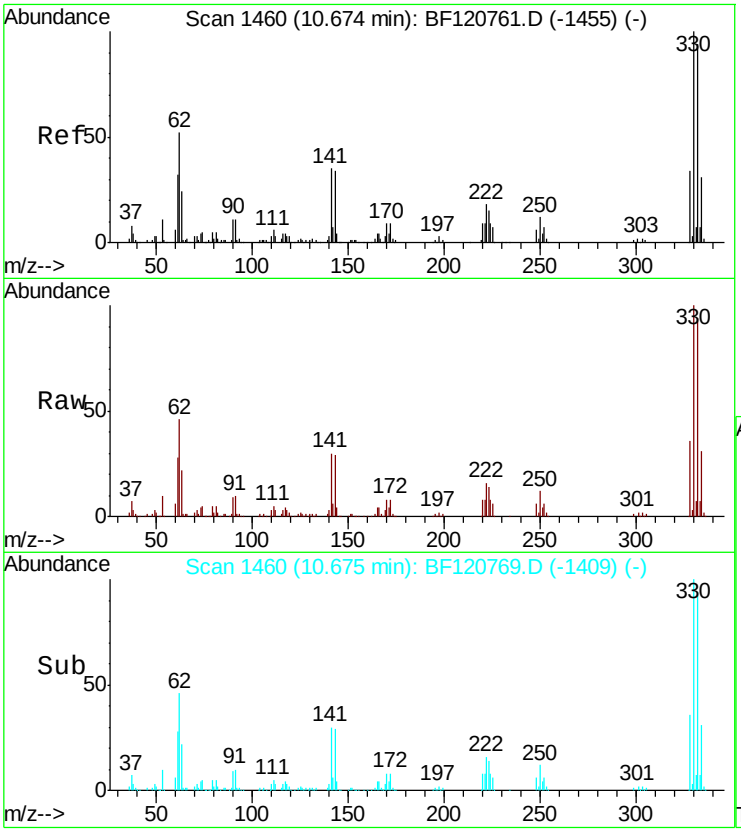


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Tgt Ion:164 Resp: 336251

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.2	120.2
160	47.2	36.9	55.3



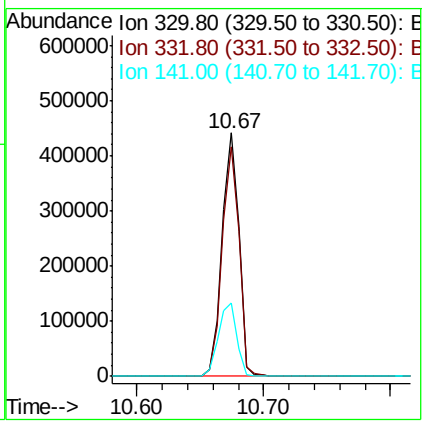


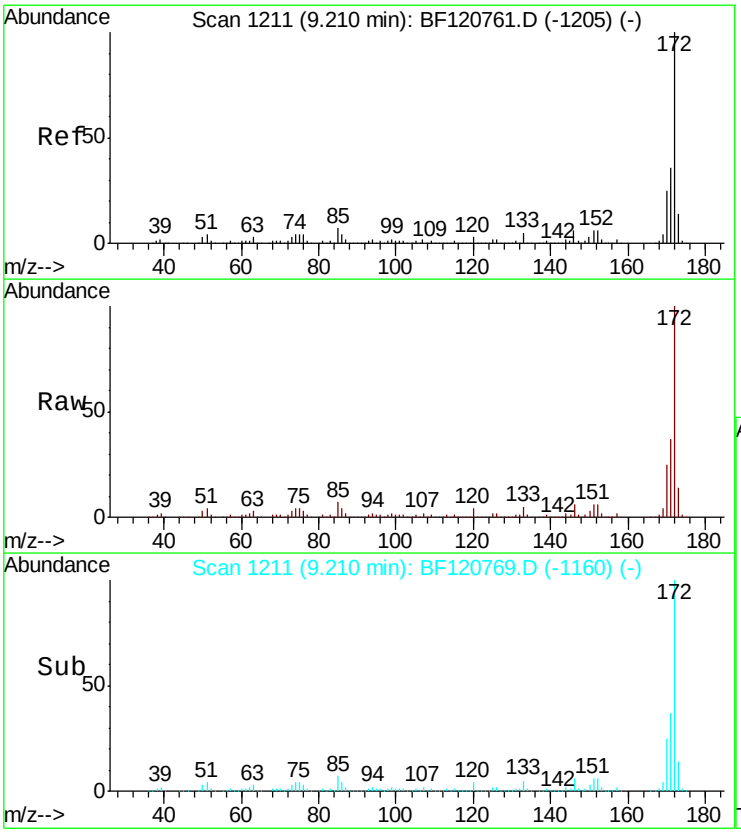
#42
2,4,6-Tribromophenol
Concen: 121.301 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.00 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:330 Resp: 409772

Ion	Ratio	Lower	Upper
330	100		
332	94.7	75.8	113.6
141	33.7	29.7	44.5

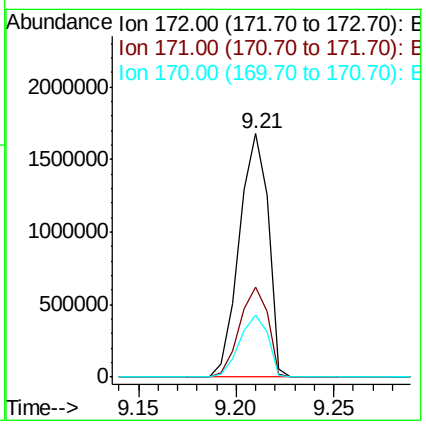


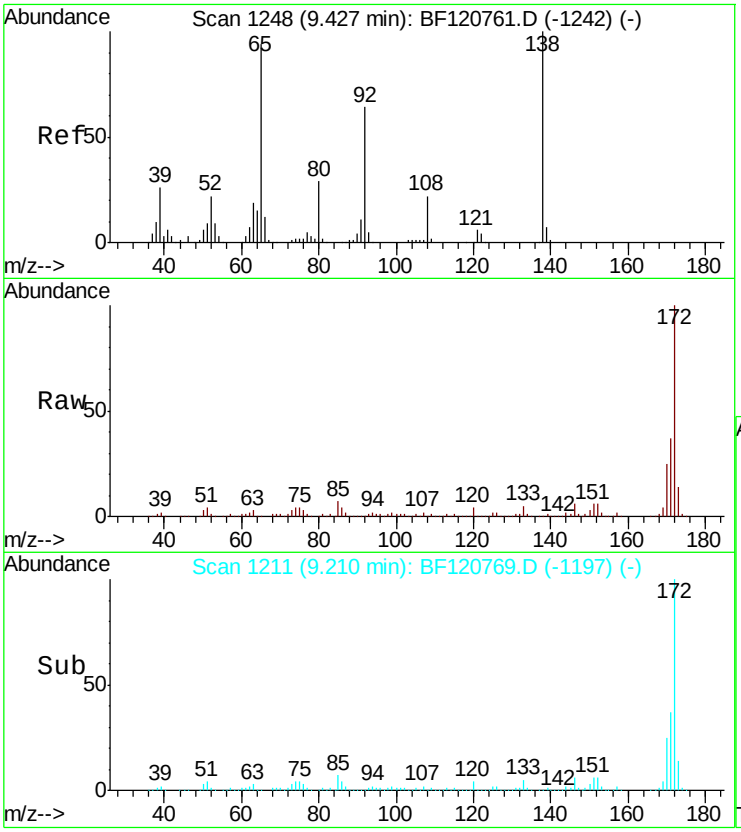


#45
2-Fluorobiphenyl
Concen: 77.552 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Tgt Ion:172 Resp: 1723582

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.1	43.7
170	25.2	19.8	29.6



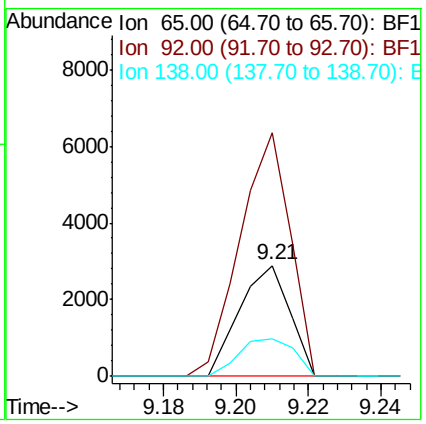


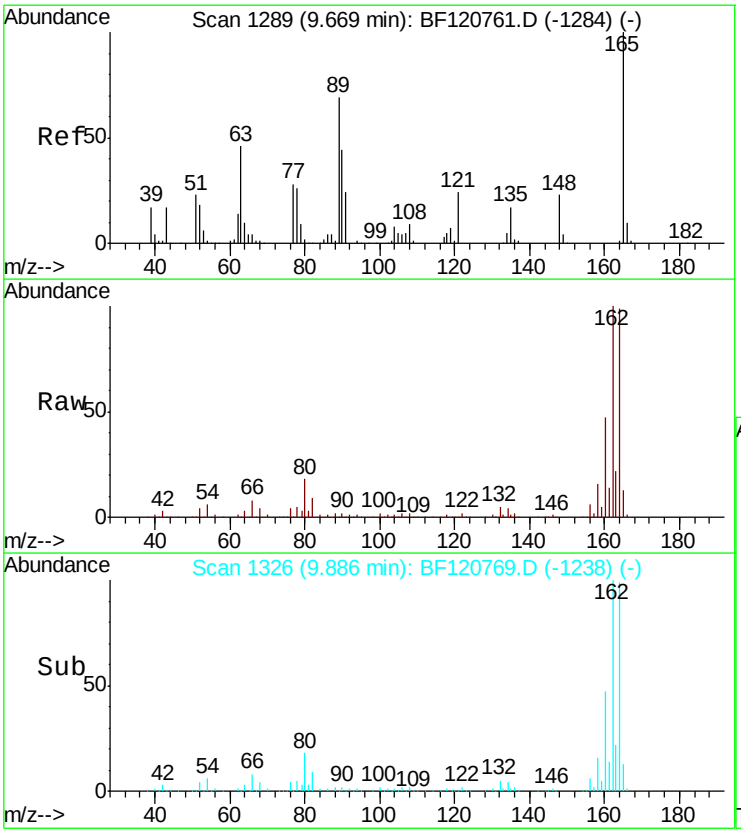
#48
2-Nitroaniline
Concen: 3.028 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.22 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Instrument :
BNA_P
ClientSampleId :

Tgt Ion: 65 Resp: 2809

Ion	Ratio	Lower	Upper
65	100		
92	220.2	54.4	81.6#
138	33.6	84.7	127.1#

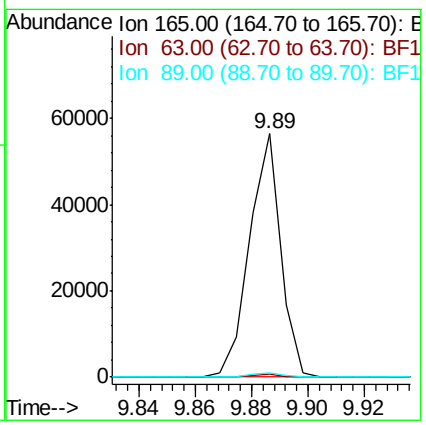


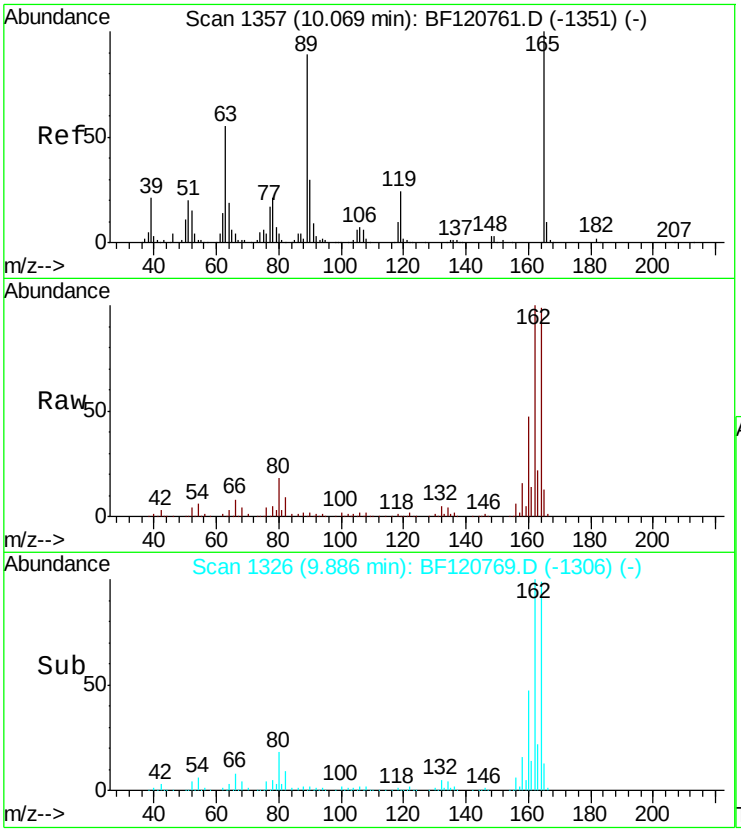


#51
2,6-Dinitrotoluene
Concen: 10.747 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.22 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Tgt Ion:165 Resp: 43343

Ion	Ratio	Lower	Upper
165	100		
63	1.4	54.0	81.0#
89	1.6	55.4	83.2#



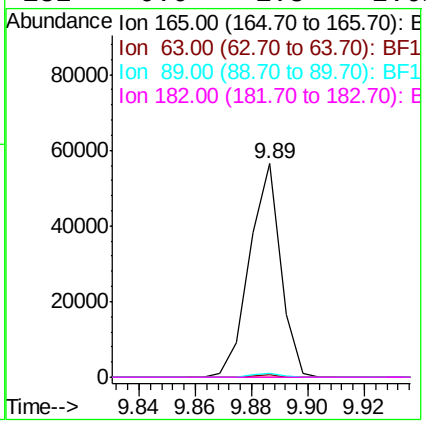


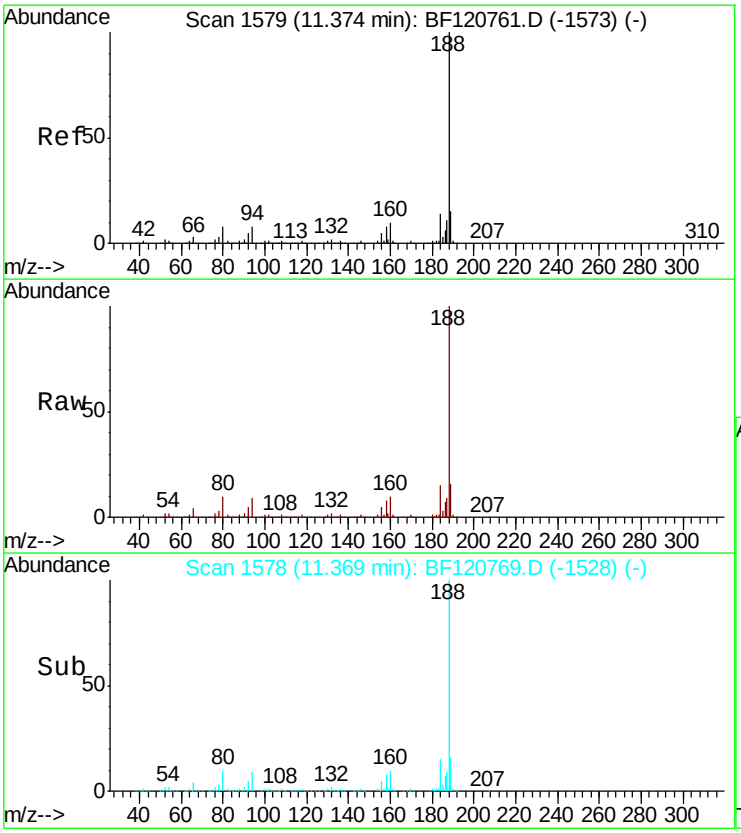
#57
2,4-Dinitrotoluene
Concen: 9.755 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.18 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:165 Resp: 43343

Ion	Ratio	Lower	Upper
165	100		
63	1.4	43.8	65.8#
89	1.6	71.4	107.2#
182	0.0	1.8	2.6#

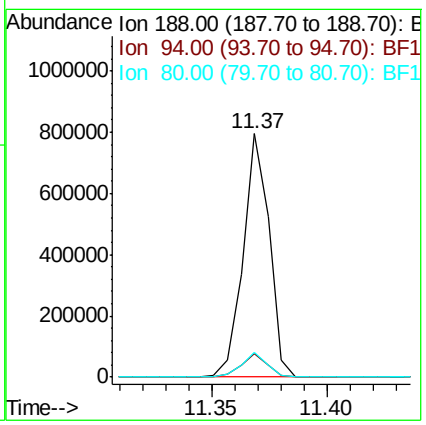


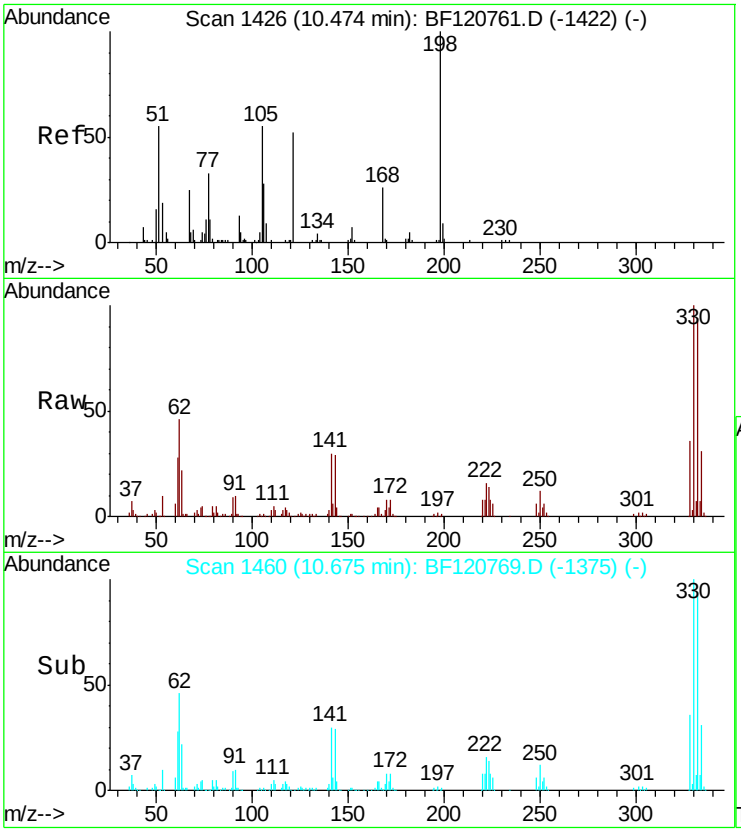


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Tgt Ion:188 Resp: 625840

Ion	Ratio	Lower	Upper
188	100		
94	9.5	6.6	9.8
80	10.2	6.6	10.0#



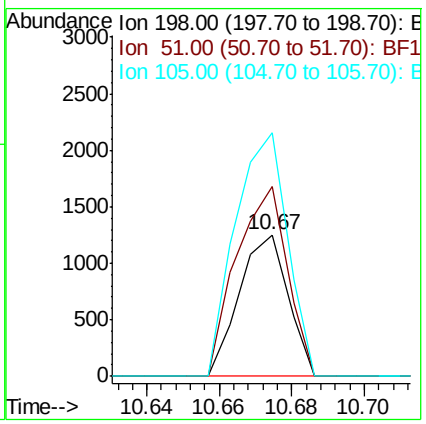


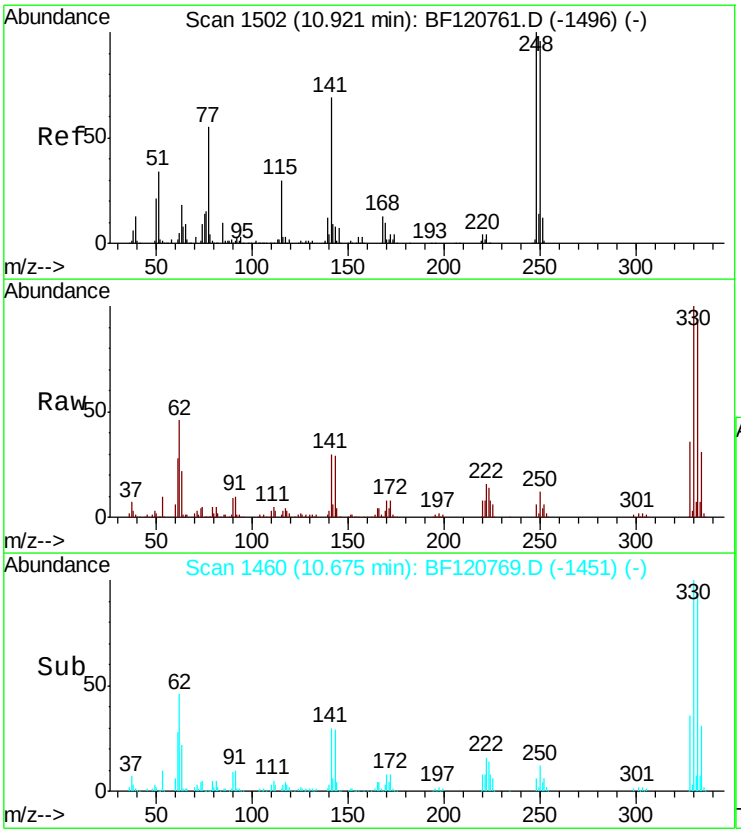
#65
4,6-Dinitro-2-methylphenol
Concen: 7.388 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.20 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:198 Resp: 1172

Ion	Ratio	Lower	Upper
198	100		
51	134.1	50.0	90.0#
105	172.3	38.3	78.3#

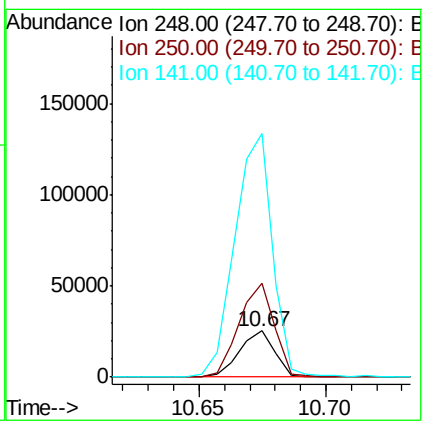


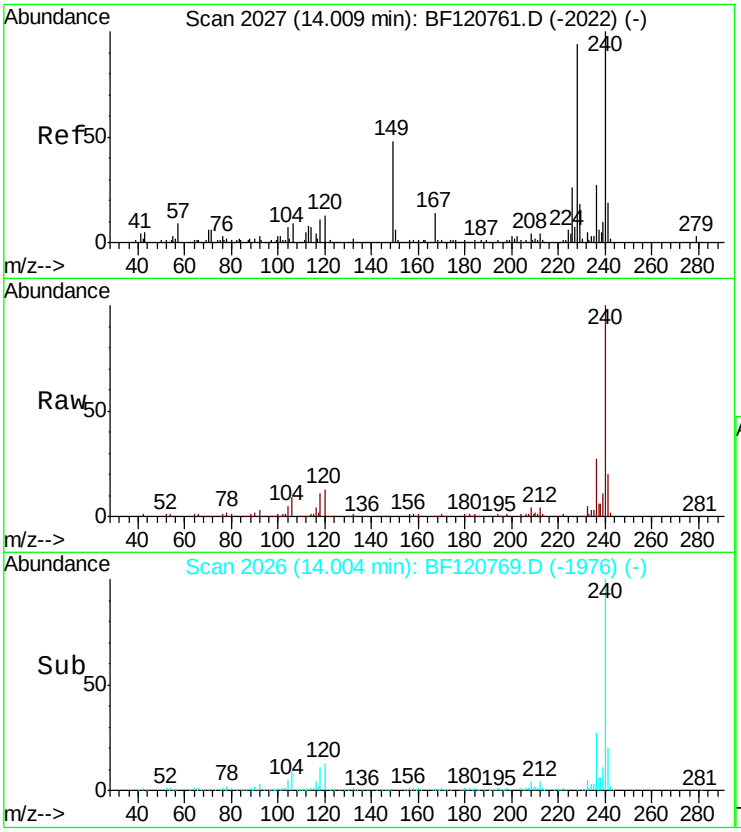


#67
4-Bromophenyl-phenylether
Concen: 3.330 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.25 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Tgt Ion:248 Resp: 24178

Ion	Ratio	Lower	Upper
248	100		
250	204.4	76.5	114.7#
141	528.1	54.9	82.3#



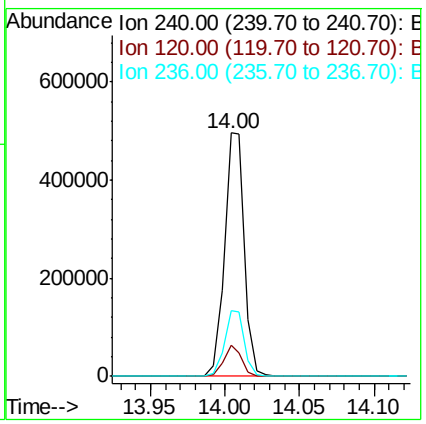


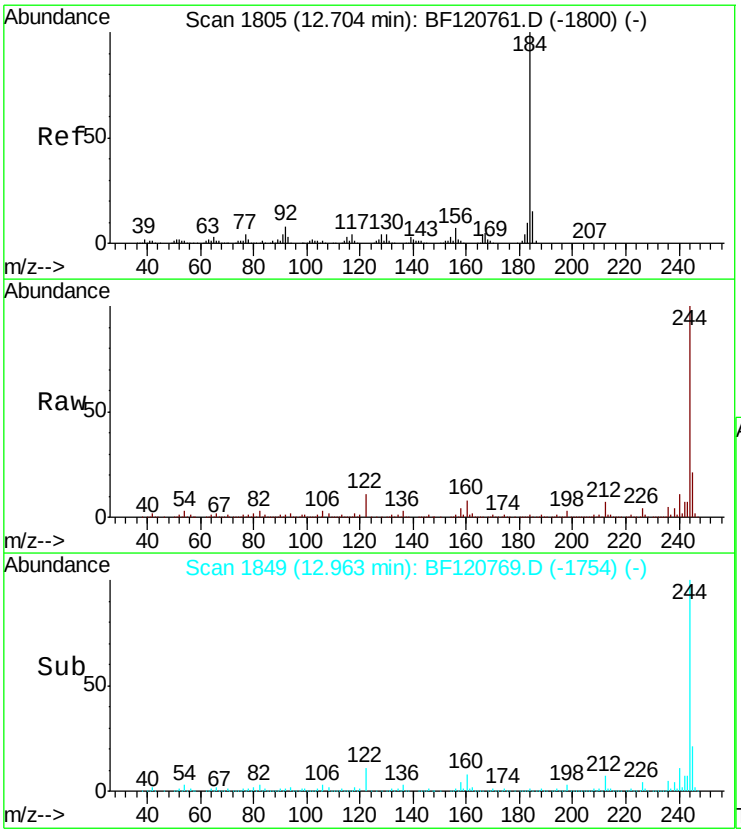
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:240 Resp: 466387

Ion	Ratio	Lower	Upper
240	100		
120	12.8	10.3	15.5
236	26.9	21.4	32.2

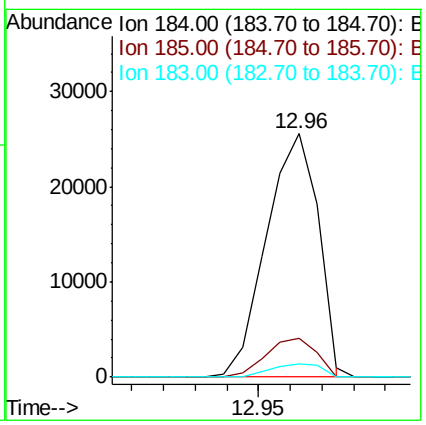


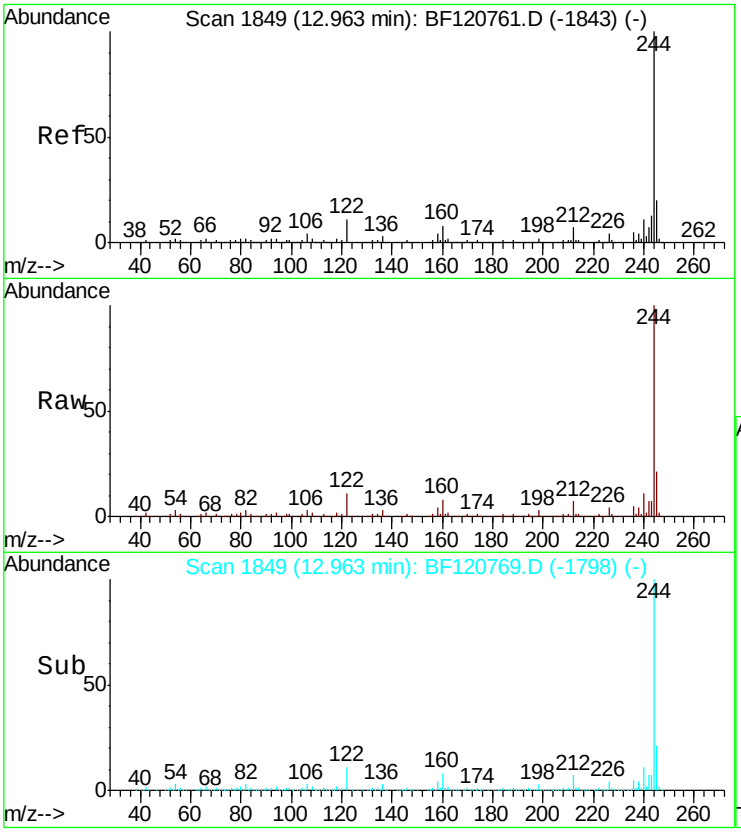


#77
Benzidine
Concen: 2.212 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.26 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Tgt Ion:184 Resp: 29120

Ion	Ratio	Lower	Upper
184	100		
185	16.1	11.8	17.8
183	5.3	8.3	12.5#



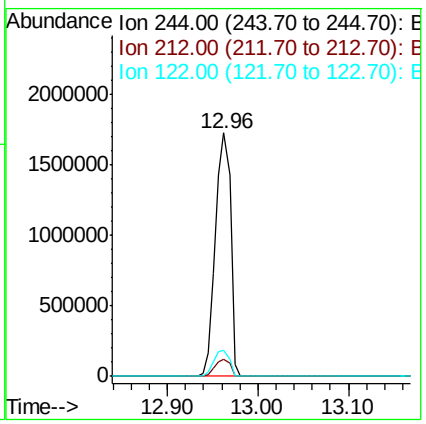


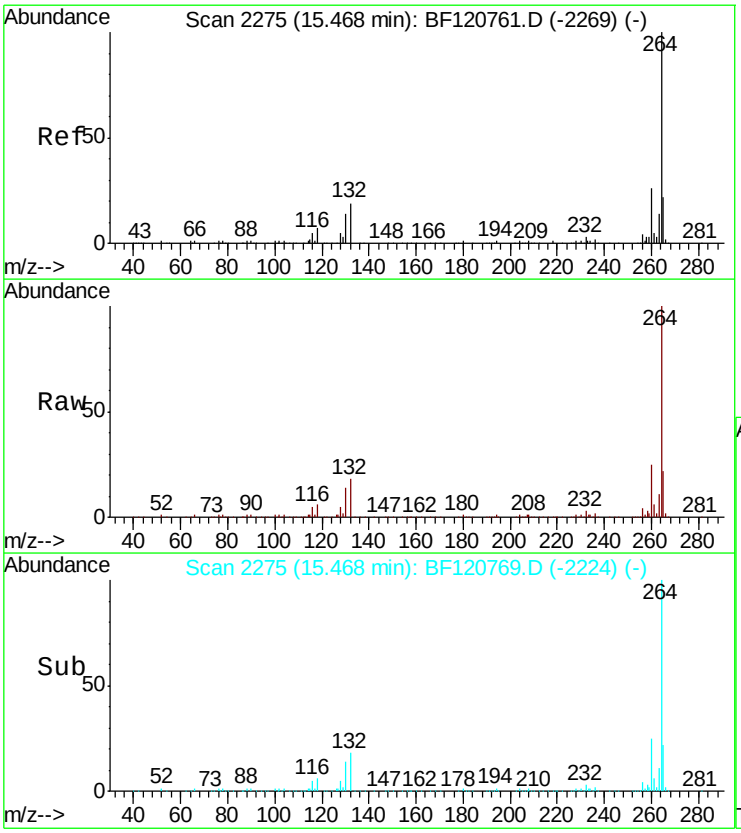
#79
Terphenyl-d14
Concen: 82.805 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.00 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:244 Resp: 1972497

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	10.5	9.0	13.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF120769.D
Acq: 6 Jul 2020 10:37

Tgt Ion:264 Resp: 431877

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.6	30.8
265	22.2	17.6	26.4