

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF121009.D
 Acq On : 24 Jul 2020 18:18
 Operator : JU/CG
 Sample : L3402-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 18:48:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	151252	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	555557	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	284828	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	483486	20.00	ng	0.00
76) Chrysene-d12	13.96	240	322826	20.00	ng	-0.01
86) Perylene-d12	15.41	264	364754	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	964453	104.53	ng	0.02
7) Phenol-d6	6.45	99	1039909	87.26	ng	0.00
23) Nitrobenzene-d5	7.37	82	825880	86.02	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	366299	117.49	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1459226	76.49	ng	0.00
79) Terphenyl-d14	12.92	244	1301623	87.65	ng	0.00

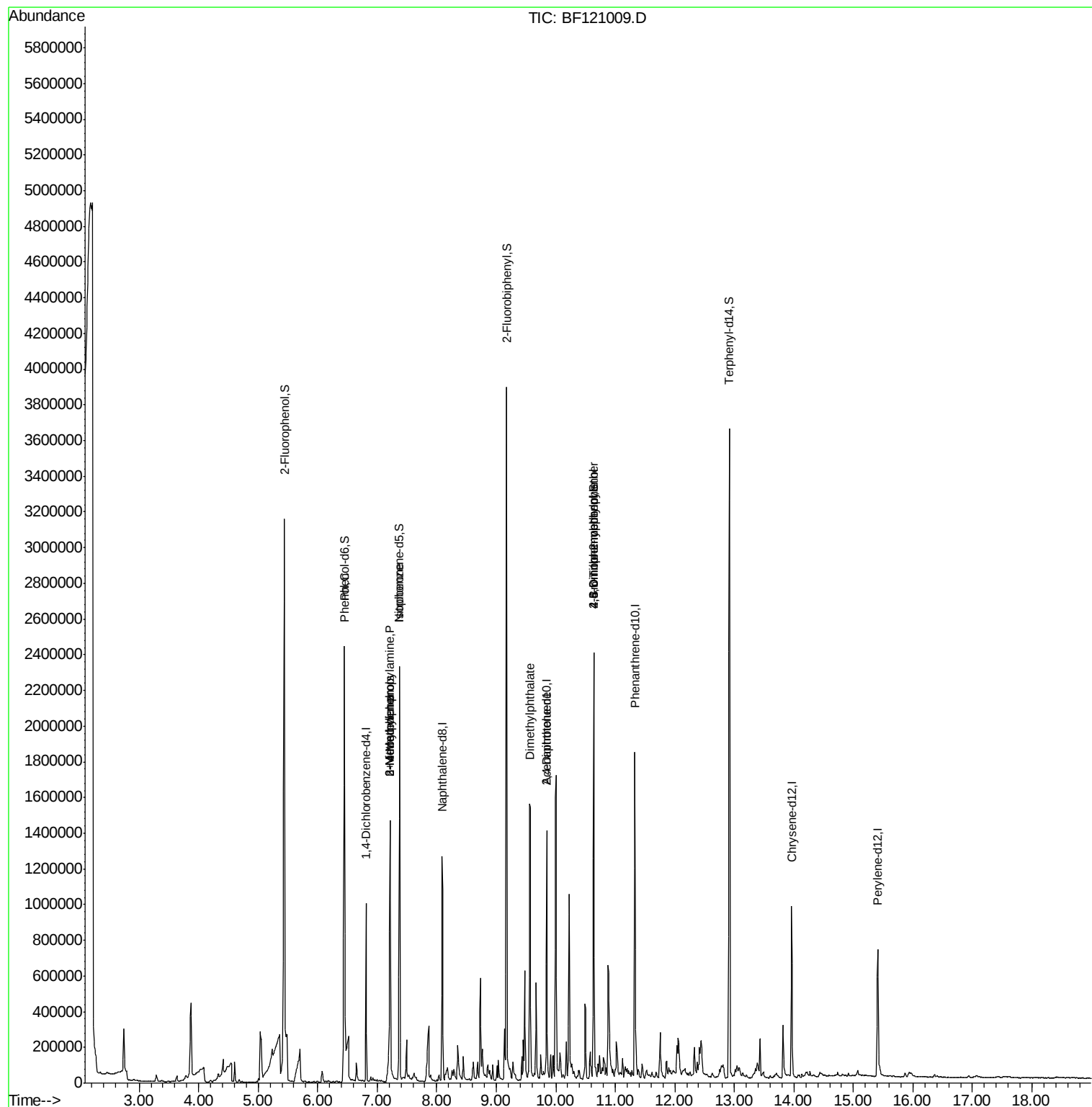
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	412	Below Cal		90
10) Phenol	6.46	94	92050	7.021	ng	95
17) 2-Methylphenol	7.22	107	313524	34.803	ng	# 72
19) n-Nitroso-di-n-propylamine	7.22	70	18681	2.757	ng	# 17
20) 3+4-Methylphenols	7.22	107	313524	27.359	ng	# 67
25) Isophorone	7.37	82	825868	43.099	ng	# 63
50) Dimethylphthalate	9.57	163	614667	29.913	ng	100
57) 2,4-Dinitrotoluene	9.85	165	36355	6.271	ng	# 28
65) 4,6-Dinitro-2-methylphenol	10.64	198	736	4.085	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	20908	3.879	ng	# 1

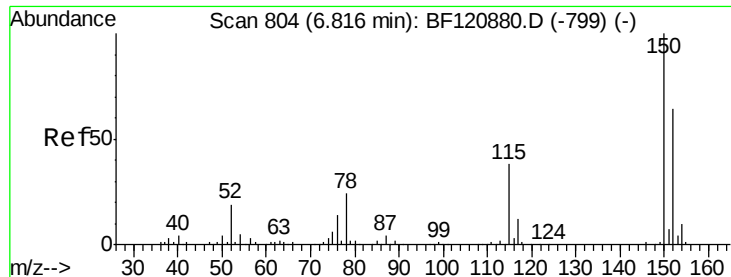
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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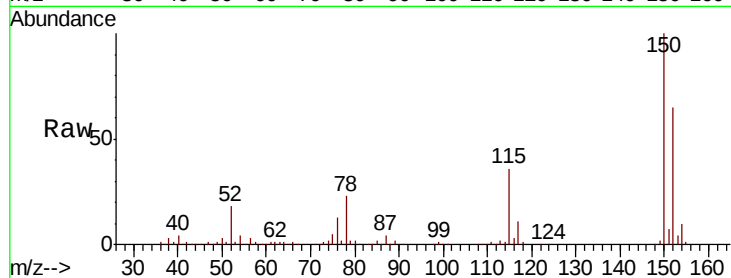


#1

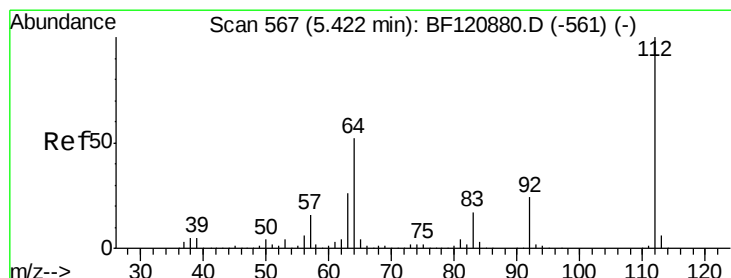
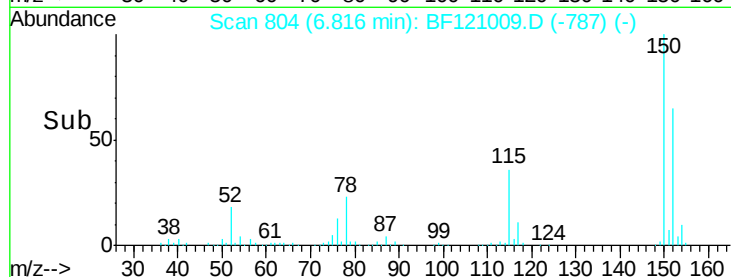
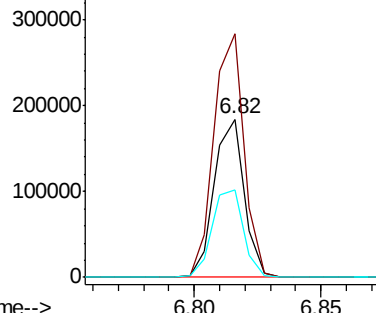
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121009.D
Acq: 24 Jul 2020 18:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151252
Ion Ratio Lower Upper
152 100
150 153.7 125.0 187.6
115 55.0 47.0 70.4



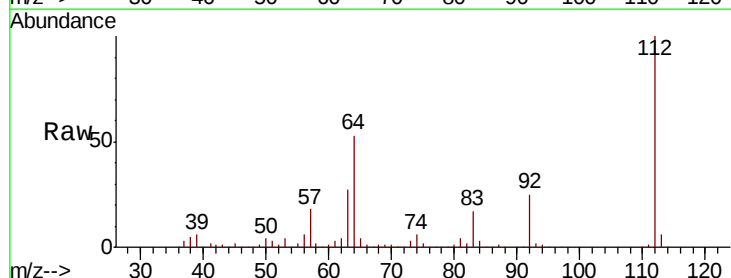
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



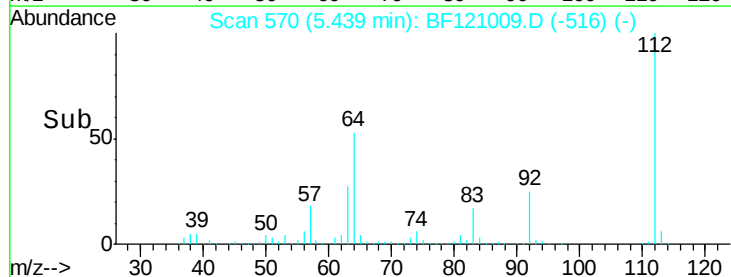
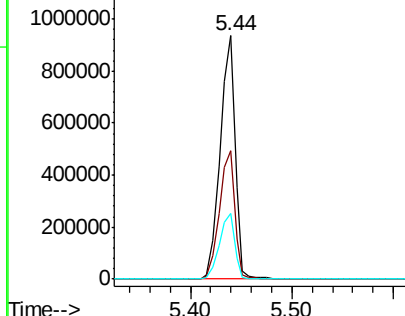
#5

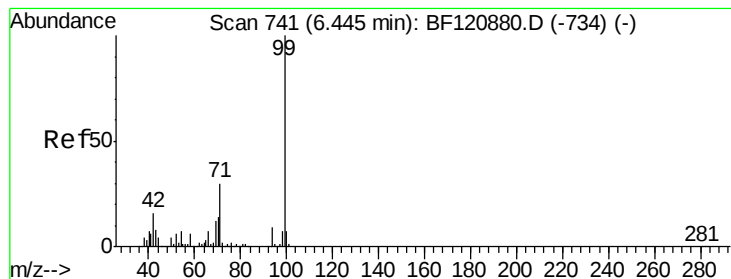
2-Fluorophenol
Concen: 104.533 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF121009.D
Acq: 24 Jul 2020 18:18

Tgt Ion:112 Resp: 964453
Ion Ratio Lower Upper
112 100
64 52.9 41.3 61.9
63 26.9 21.1 31.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 87.255 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121009.D

Acq: 24 Jul 2020 18:18

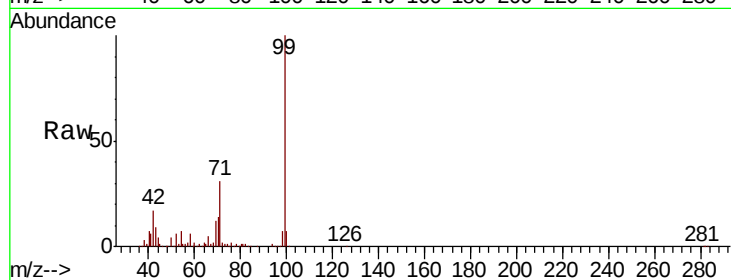
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1039909

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.1	19.7
71	31.0	24.2	36.4

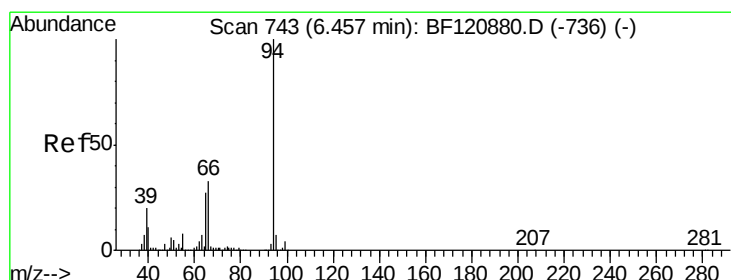
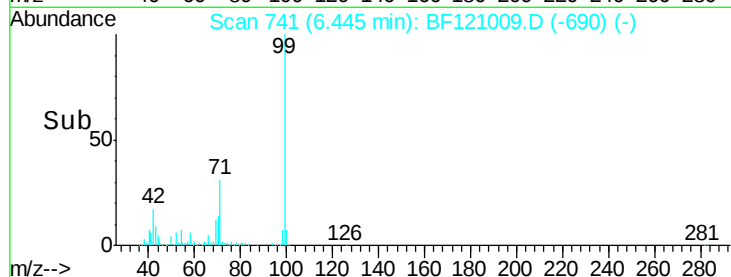
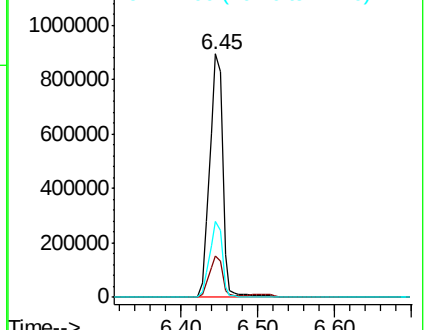


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 7.021 ng

RT: 6.46 min Scan# 743

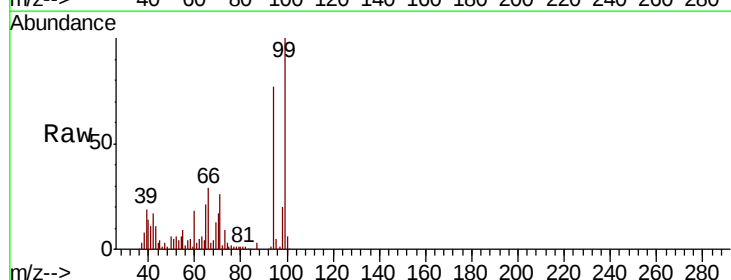
Delta R.T. 0.00 min

Lab File: BF121009.D

Acq: 24 Jul 2020 18:18

Tgt Ion: 94 Resp: 92050

Ion	Ratio	Lower	Upper
94	100		
65	27.4	6.6	46.6
66	37.9	13.2	53.2

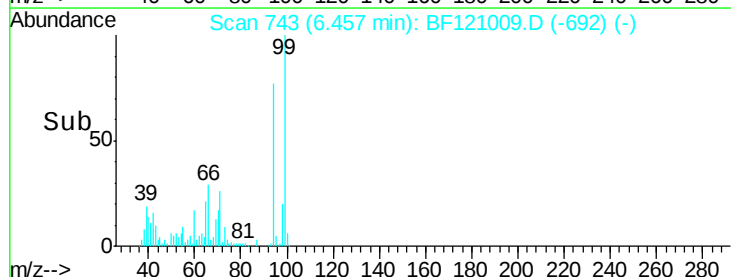
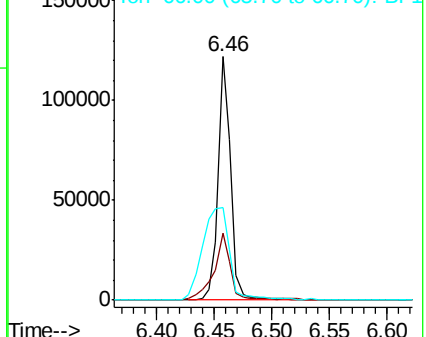


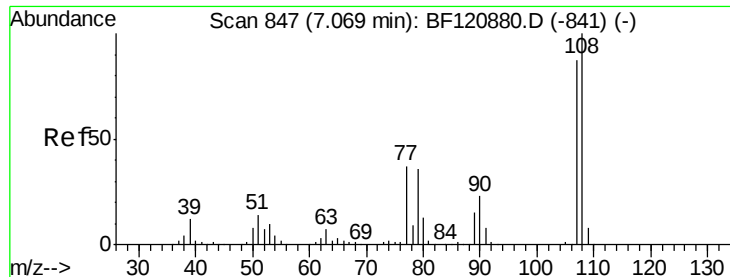
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

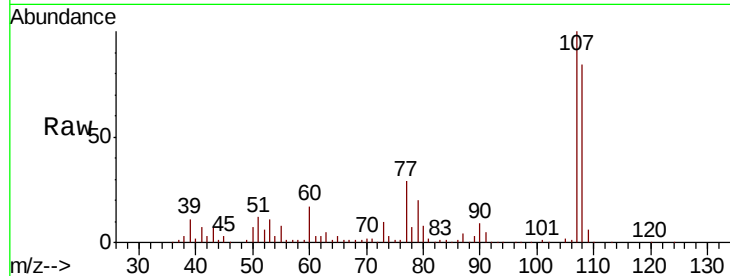




#17
2-Methylphenol
Concen: 34.803 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.15 min
Lab File: BF121009.D
Acq: 24 Jul 2020 18:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
108	84.1	92.0	138.0#
77	29.3	34.0	51.0#
79	20.1	33.3	49.9#



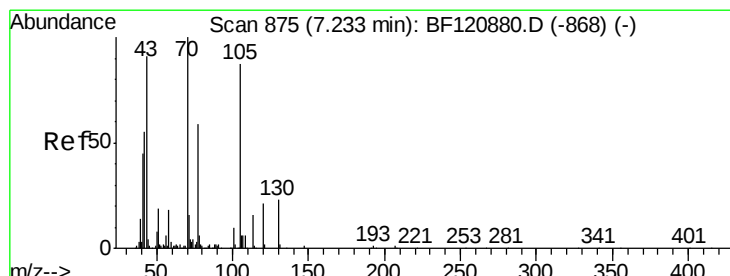
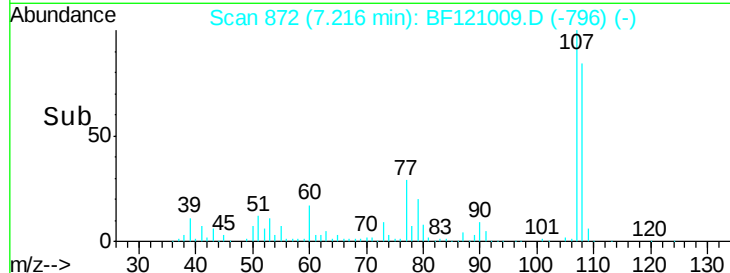
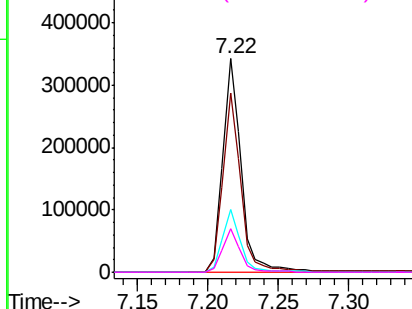
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

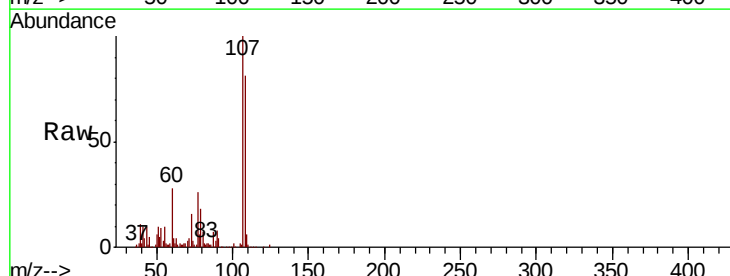
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#19
n-Nitroso-di-n-propylamine
Concen: 2.757 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF121009.D
Acq: 24 Jul 2020 18:18

Tgt Ion	Ratio	Lower	Upper
70	100		
42	120.1	44.0	66.0#
101	56.9	7.8	11.6#
130	0.0	18.7	28.1#



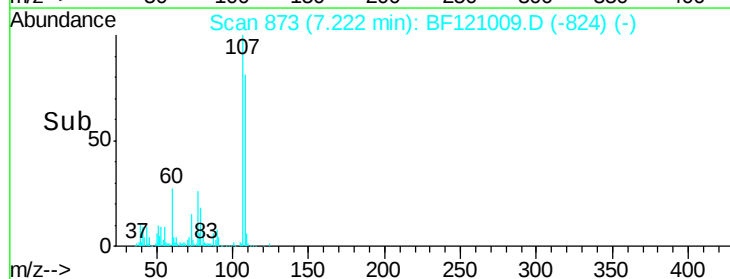
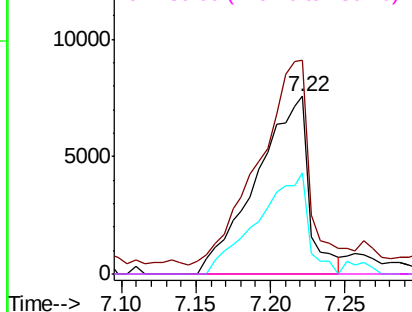
Abundance

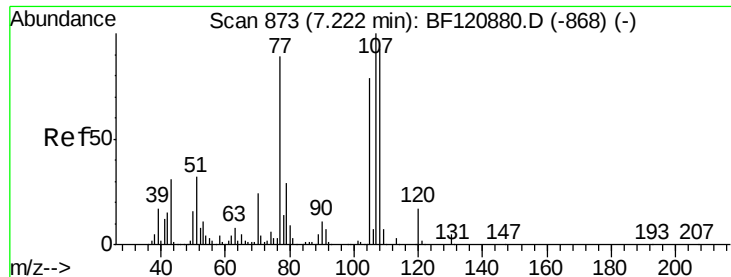
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 27.359 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF121009.D

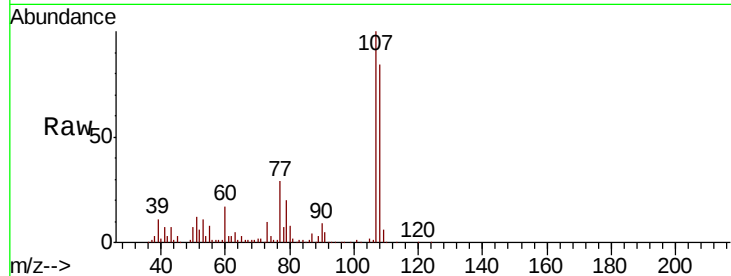
Acq: 24 Jul 2020 18:18

Instrument :

BNA_F

ClientSampled :

Tot Ion:	107	Resp:	313524
Ion	Ratio	Lower	Upper
107	100		
108	84.1	72.8	112.8
77	29.3	68.7	108.7#
79	20.1	8.5	48.5



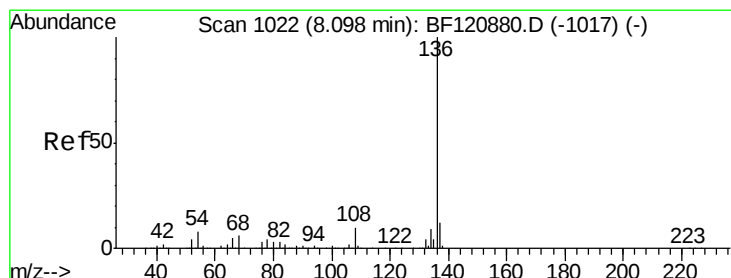
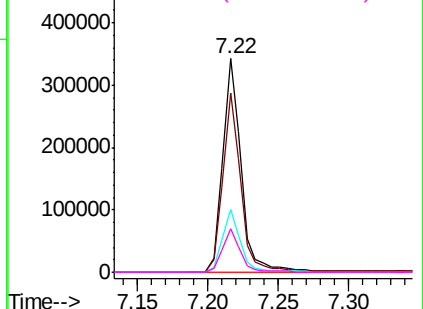
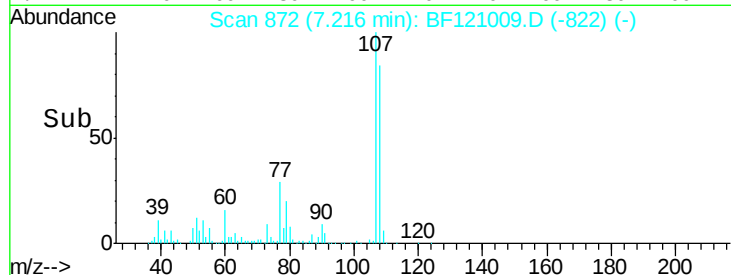
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

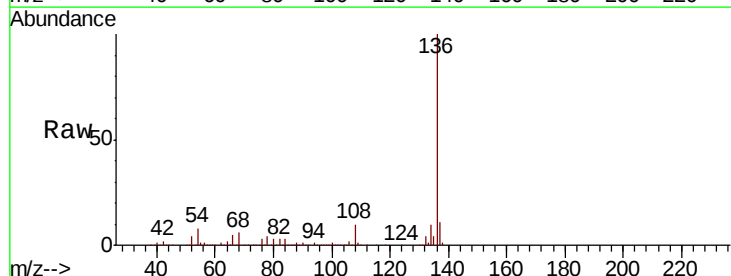
RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF121009.D

Acq: 24 Jul 2020 18:18

Tgt Ion:	136	Resp:	555557
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	7.6	6.3	9.5
68	6.0	5.0	7.4



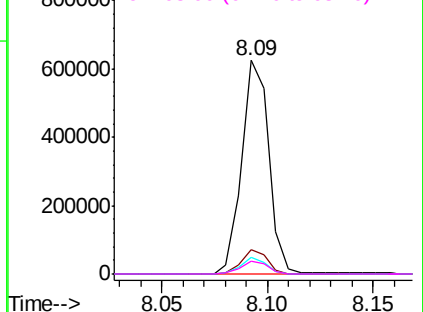
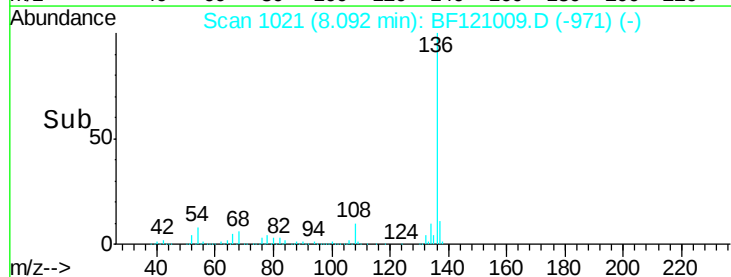
Abundance

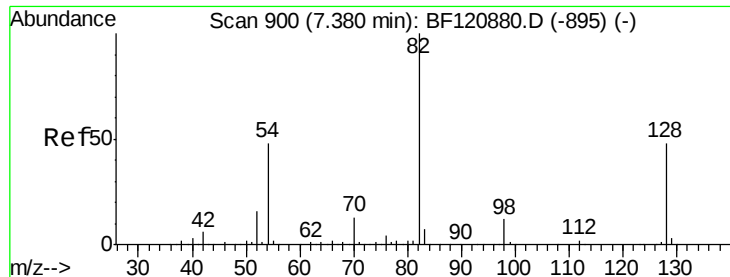
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

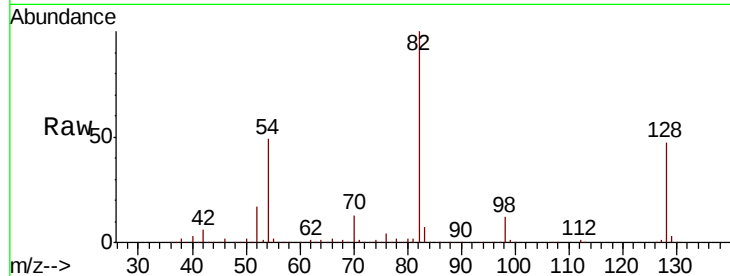




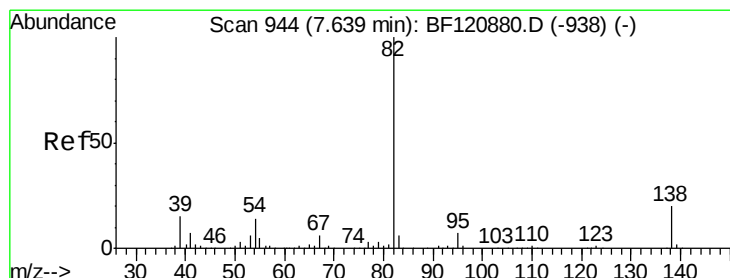
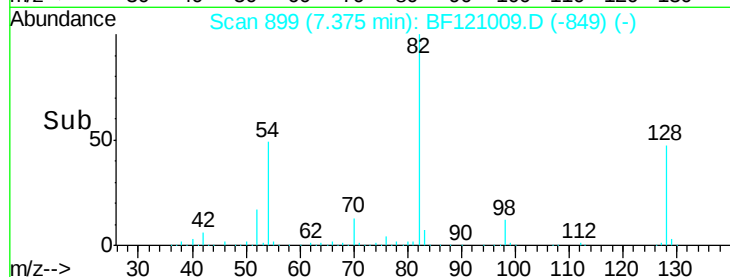
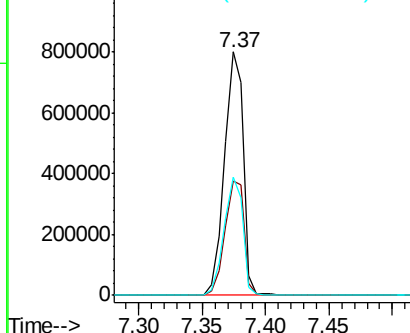
#23
Nitrobenzene-d5
Concen: 86.018 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF121009.D
Acq: 24 Jul 2020 18:18

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 825880
Ion Ratio Lower Upper
82 100
128 47.1 38.2 57.4
54 48.6 38.7 58.1

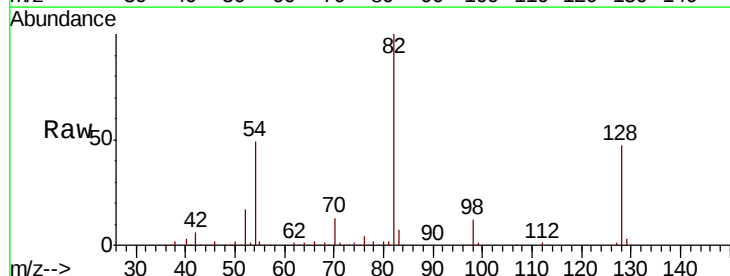


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

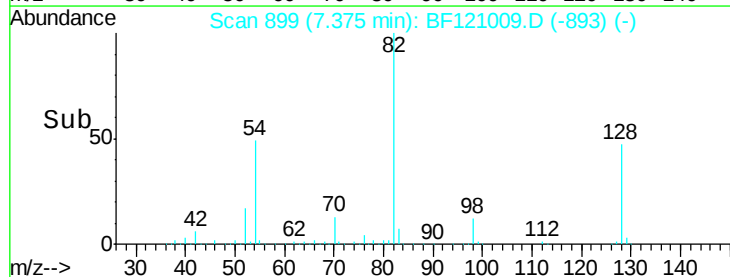
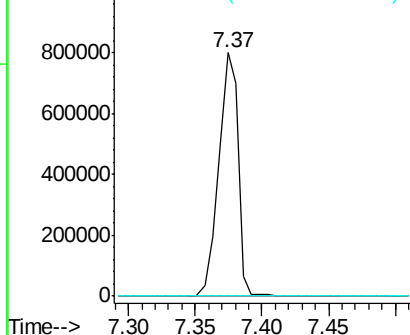


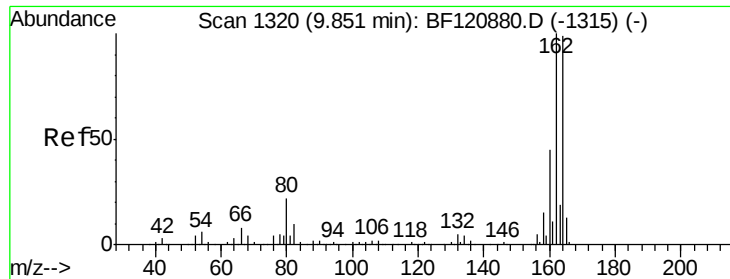
#25
Isophorone
Concen: 43.099 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF121009.D
Acq: 24 Jul 2020 18:18

Tgt Ion: 82 Resp: 825868
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.6 23.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121009.D

Acq: 24 Jul 2020 18:18

Instrument :

BNA_F

ClientSampleId :

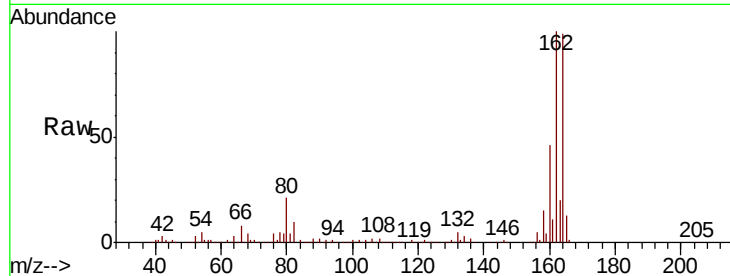
Tot Ion:164 Resp: 284828

Ion Ratio Lower Upper

164 100

162 101.2 81.2 121.8

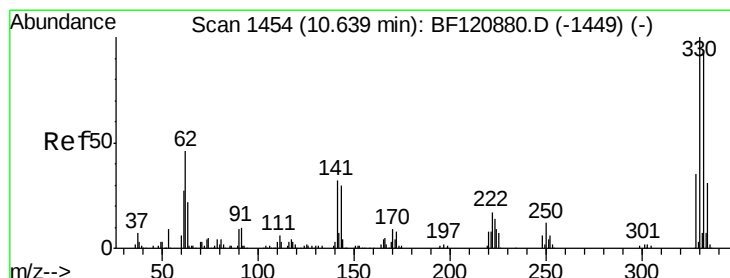
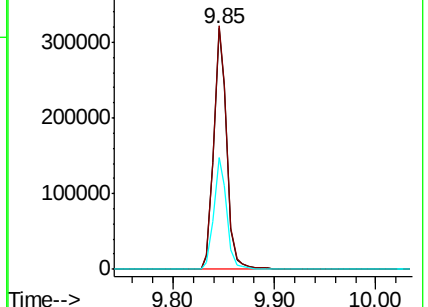
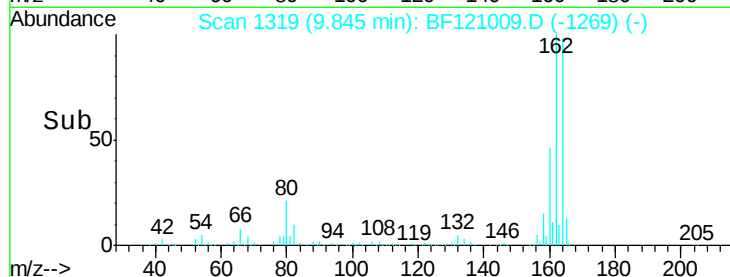
160 46.5 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 117.489 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BF121009.D

Acq: 24 Jul 2020 18:18

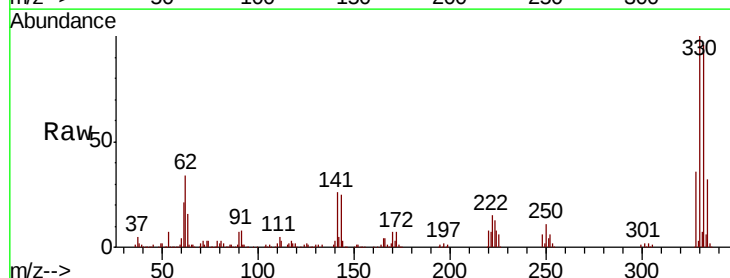
Tgt Ion:330 Resp: 366299

Ion Ratio Lower Upper

330 100

332 95.5 75.5 113.3

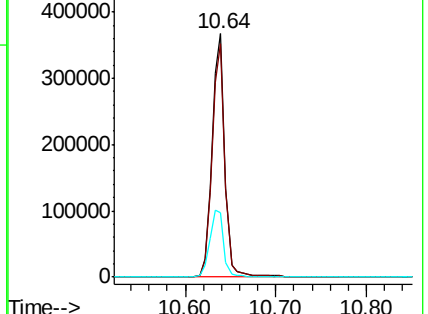
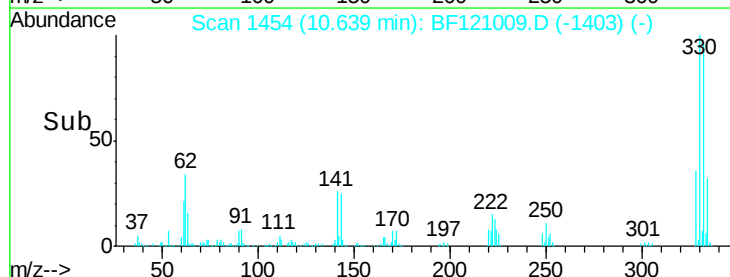
141 30.3 25.7 38.5

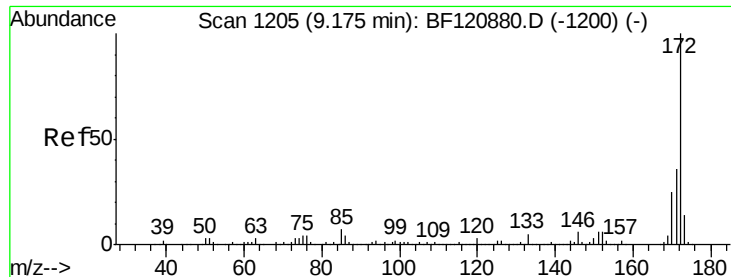


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

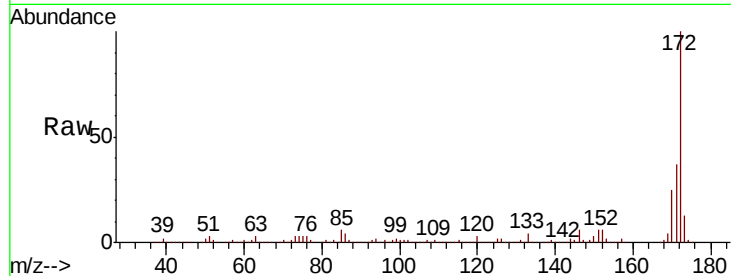




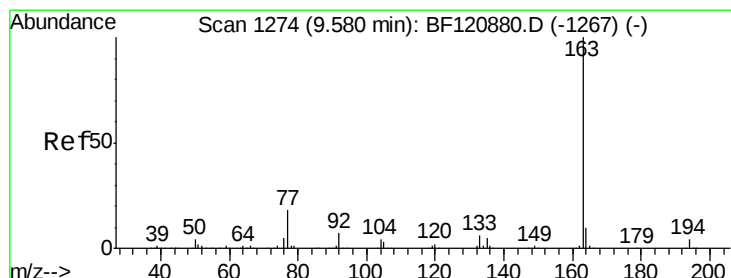
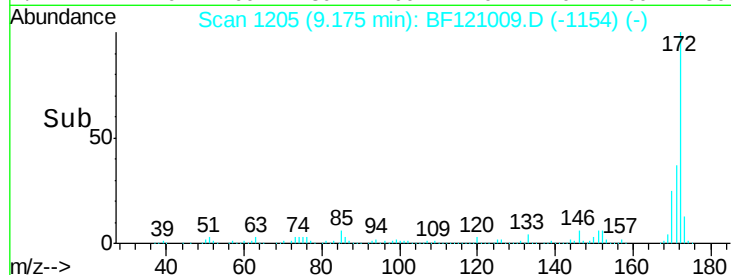
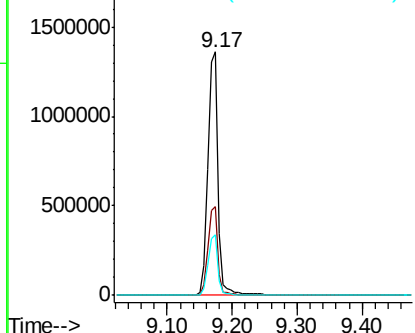
#45
2-Fluorobiphenyl
Concen: 76.491 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF121009.D
Acq: 24 Jul 2020 18:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1459226
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.4
170 24.7 19.6 29.4

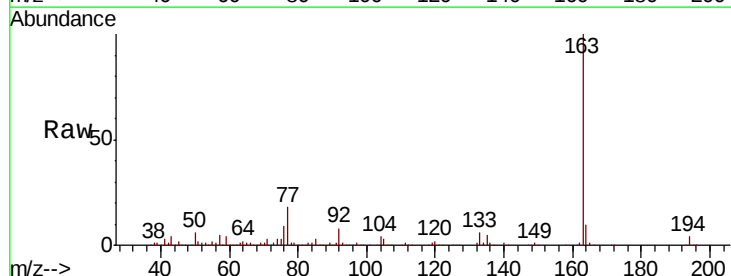


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

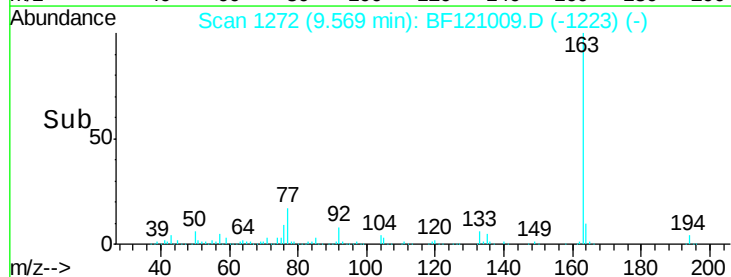
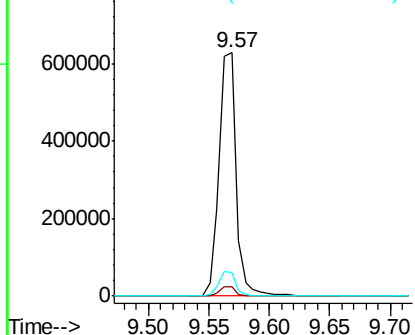


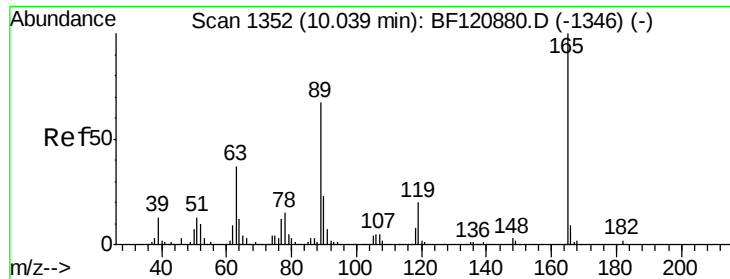
#50
Dimethylphthalate
Concen: 29.913 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF121009.D
Acq: 24 Jul 2020 18:18

Tgt Ion:163 Resp: 614667
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 9.7 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

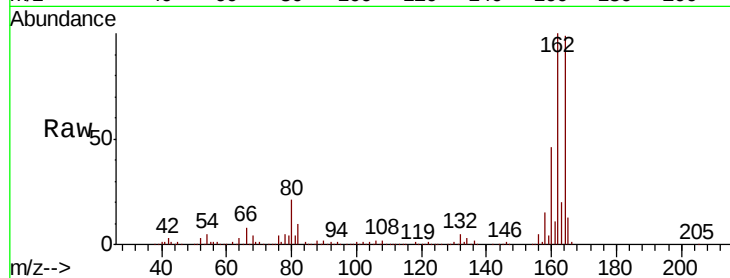




#57
 2,4-Dinitrotoluene
 Concen: 6.271 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.19 min
 Lab File: BF121009.D
 Acq: 24 Jul 2020 18:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	29.4	44.2#
89	2.2	53.4	80.0#
182	0.0	1.8	2.6#

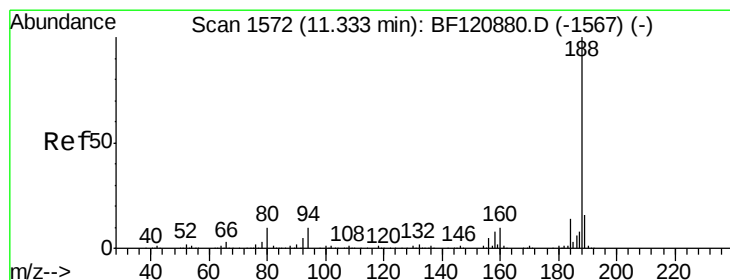
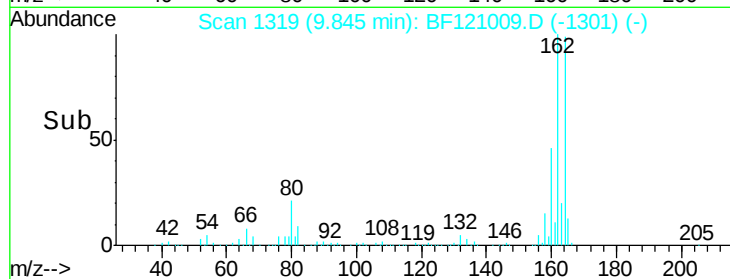
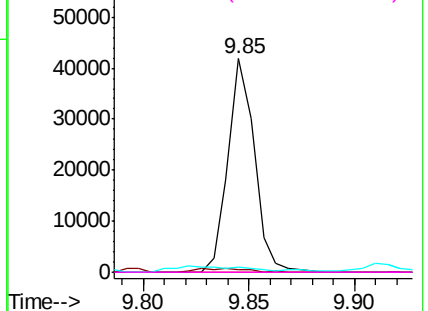


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

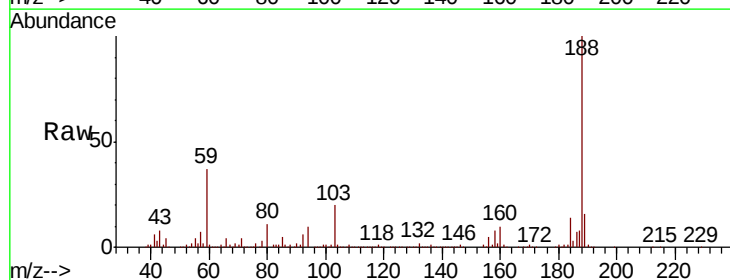
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF121009.D
 Acq: 24 Jul 2020 18:18

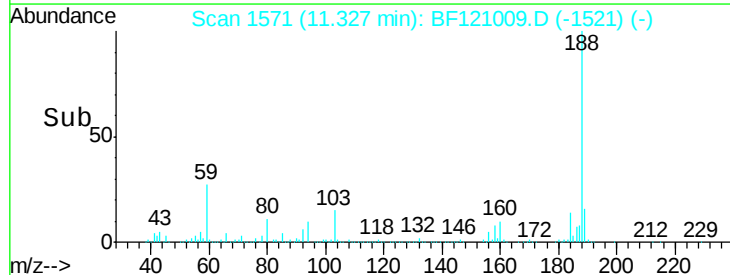
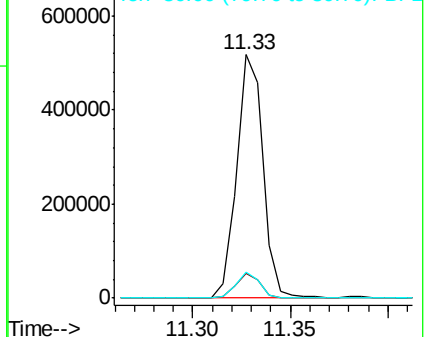
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.0	12.0
80	10.5	8.3	12.5

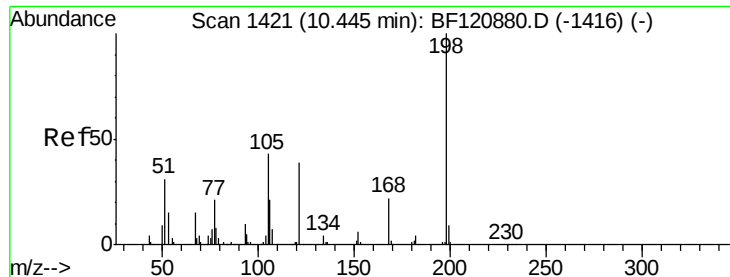


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 4.085 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.19 min

Lab File: BF121009.D

Acq: 24 Jul 2020 18:18

Instrument :

BNA_F

ClientSampled :

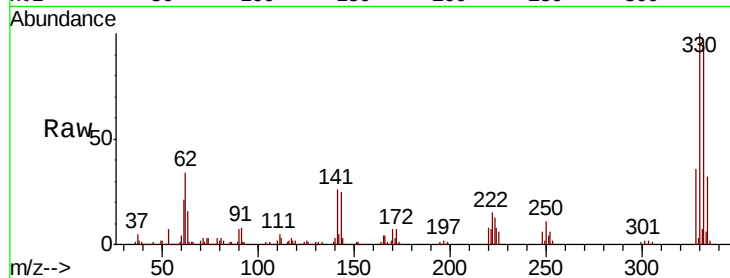
Tot Ion:198 Resp: 736

Ion Ratio Lower Upper

198 100

51 134.7 19.5 59.5#

105 178.7 24.4 64.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

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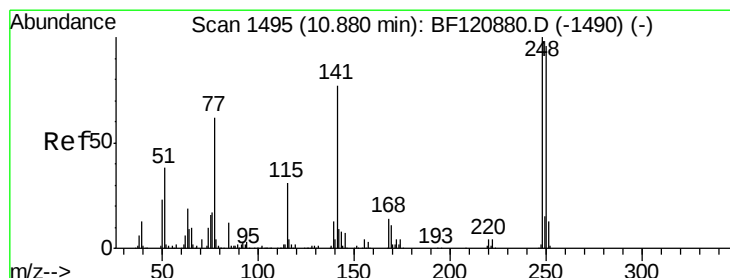
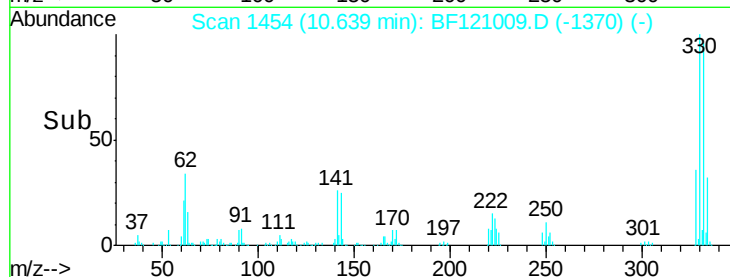
10.64

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#67

4-Bromophenyl-phenylether

Concen: 3.879 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF121009.D

Acq: 24 Jul 2020 18:18

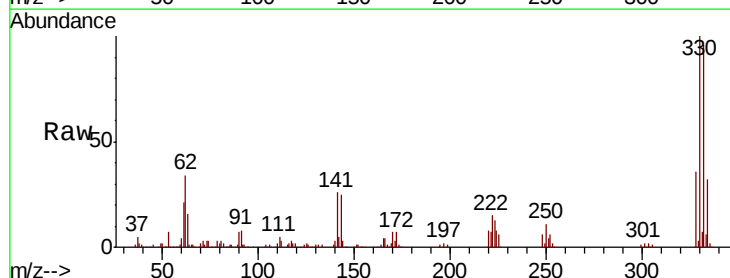
Tgt Ion:248 Resp: 20908

Ion Ratio Lower Upper

248 100

250 190.1 77.1 115.7#

141 462.8 61.2 91.8#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

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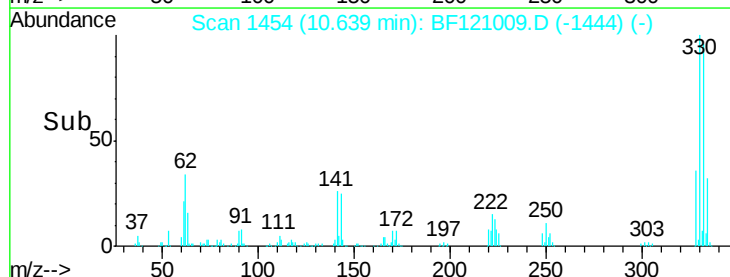
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Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

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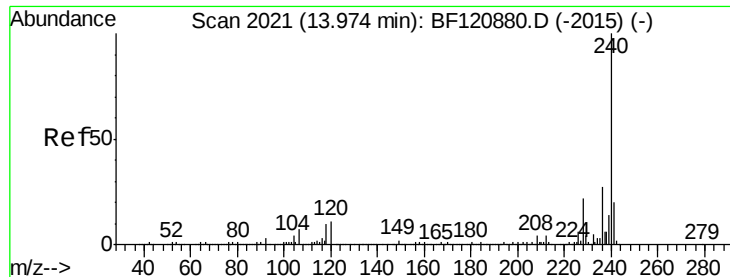
10.64

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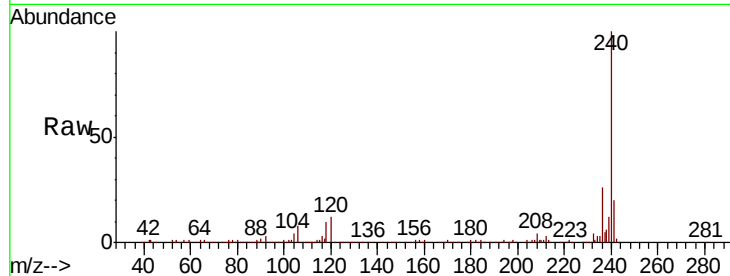
10.64



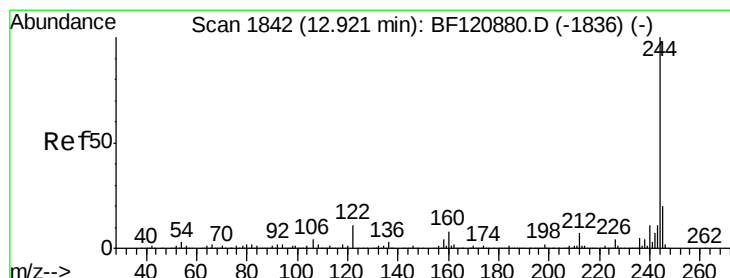
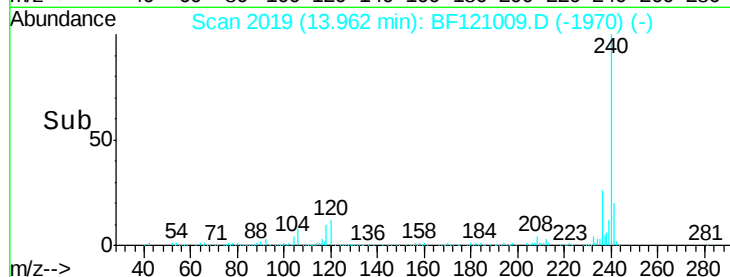
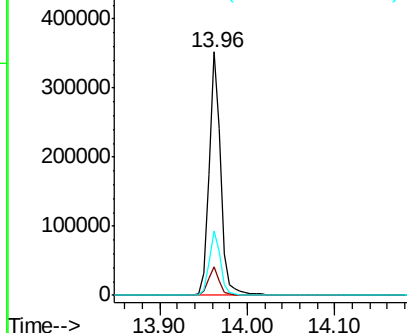
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF121009.D
Acq: 24 Jul 2020 18:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 322826
Ion Ratio Lower Upper
240 100
120 11.8 9.0 13.4
236 26.4 21.7 32.5

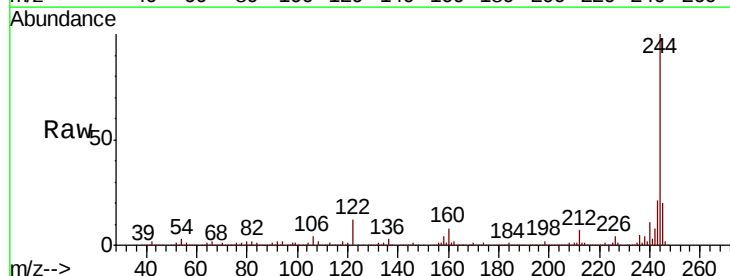


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

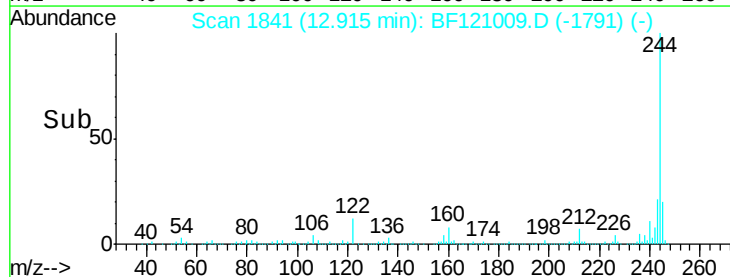
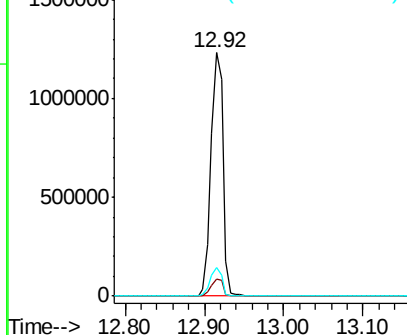


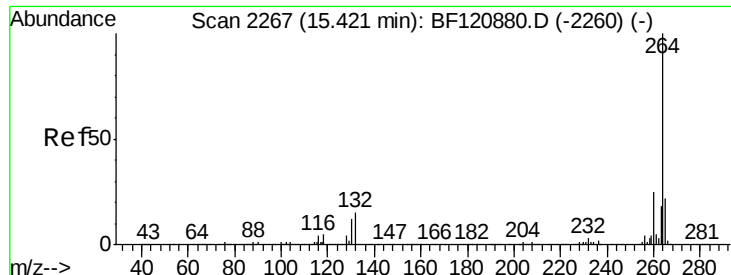
#79
Terphenyl-d14
Concen: 87.646 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF121009.D
Acq: 24 Jul 2020 18:18

Tgt Ion:244 Resp: 1301623
Ion Ratio Lower Upper
244 100
212 7.2 5.6 8.4
122 11.7 8.9 13.3



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

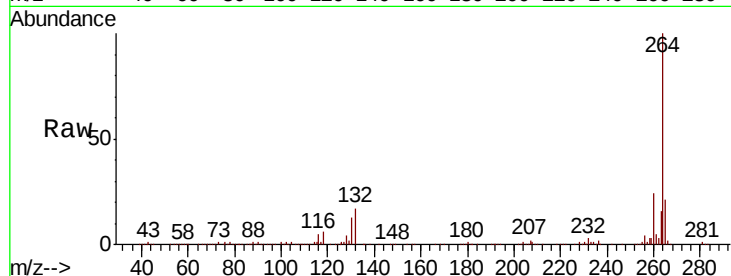




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF121009.D
Acq: 24 Jul 2020 18:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.0	30.0
265	21.3	17.4	26.2



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

