

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
 Data File : BF112470.D
 Acq On : 8 Feb 2019 20:03
 Operator : JU/SJ
 Sample : K1349-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-020719-B

Quant Time: Feb 09 04:58:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

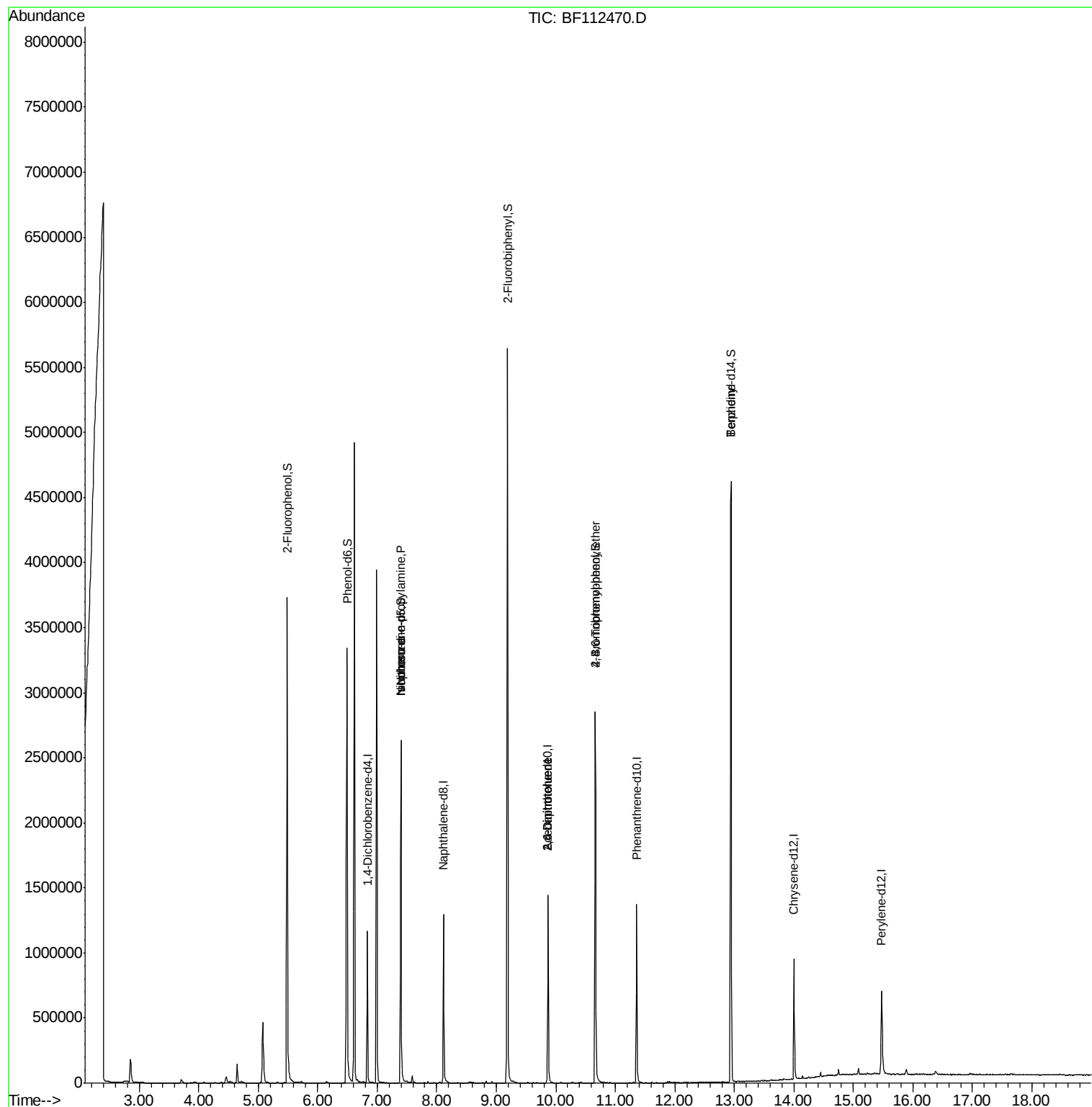
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	166345	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	644757	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	304976	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	528057	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	338086	20.00	ng	0.00
87) Perylene-d12	15.47	264	339723	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1140408	145.62	ng	0.00
7) Phenol-d6	6.49	99	1297366	119.22	ng	0.00
23) Nitrobenzene-d5	7.40	82	1009607	90.23	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	400970	112.95	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1895487	87.90	ng	-0.01
79) Terphenyl-d14	12.94	244	1669366	93.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	136986	18.256	ng	# 78
25) Isophorone	7.40	82	1009594	57.512	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	38133	7.186	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	38134	5.645	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	23513	3.786	ng	# 1
77) Benzidine	12.94	184	24253	2.606	ng	94

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

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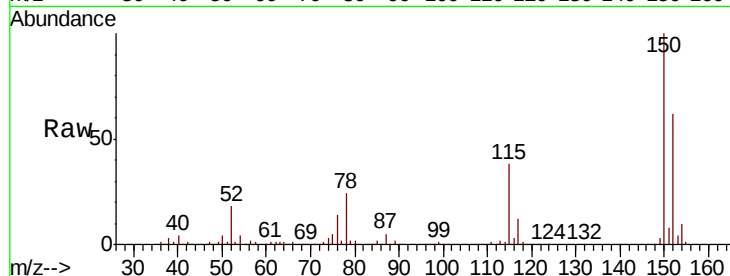


#1

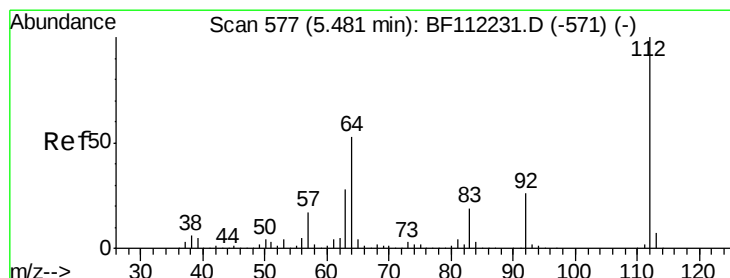
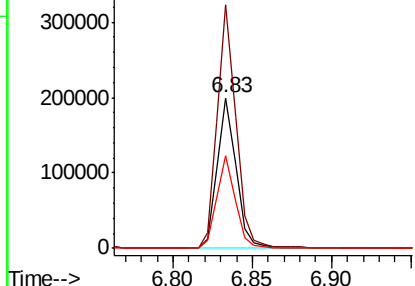
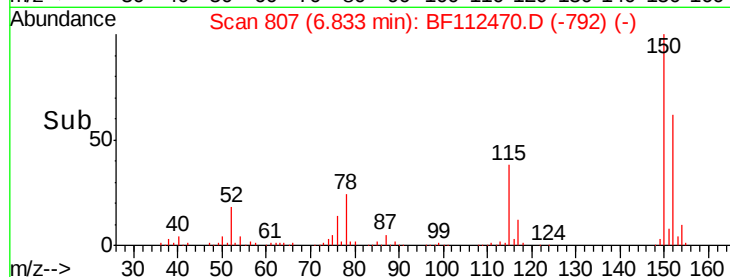
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112470.D
Acq: 8 Feb 2019 20:03

Instrument :
BNA_F
ClientSampleId :
OR-03-020719-B

Tot Ion:152 Resp: 166345
Ion Ratio Lower Upper
152 100
150 161.5 127.4 191.0
115 61.2 45.5 68.3



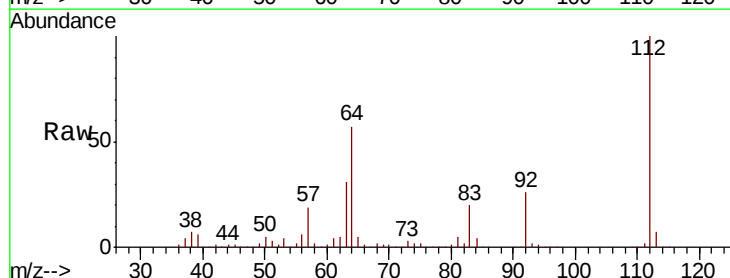
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



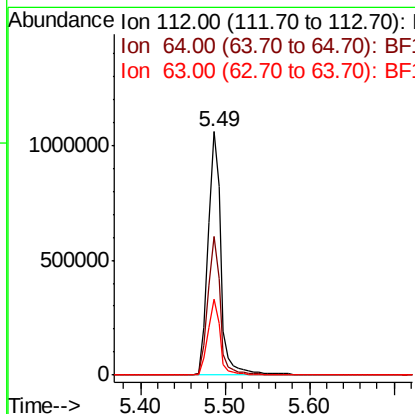
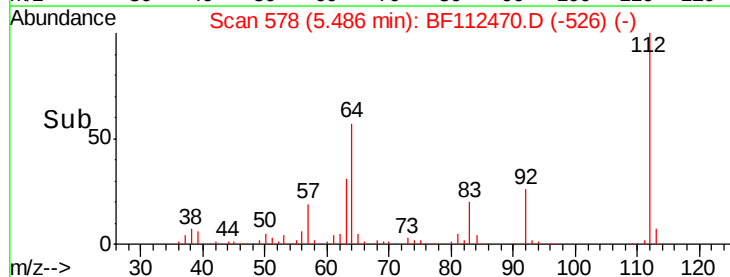
#5

2-Fluorophenol
Concen: 145.619 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF112470.D
Acq: 8 Feb 2019 20:03

Tgt Ion:112 Resp: 1140408
Ion Ratio Lower Upper
112 100
64 57.1 45.7 68.5
63 31.1 23.6 35.4



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: 119.219 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF112470.D

Acq: 8 Feb 2019 20:03

Instrument :

BNA_F

ClientSampleId :

OR-03-020719-B

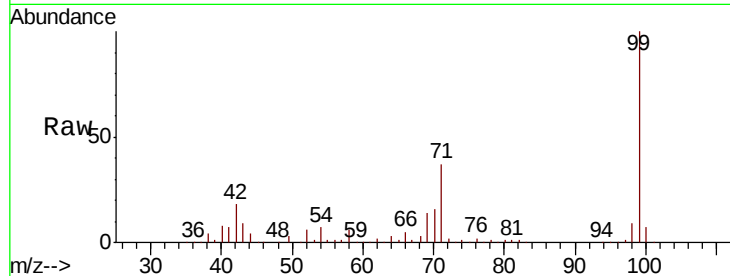
Tot Ion: 99 Resp: 1297366

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.1	22.7
71	36.7	26.9	40.3

99 100

42 18.4 15.1 22.7

71 36.7 26.9 40.3

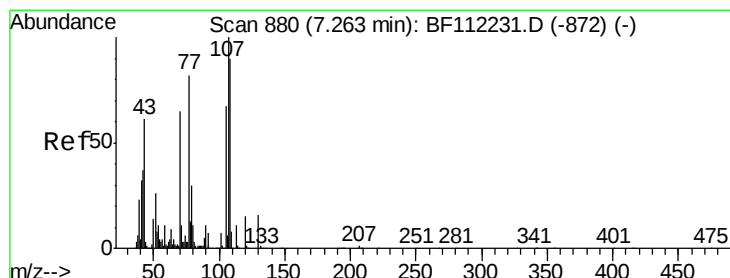
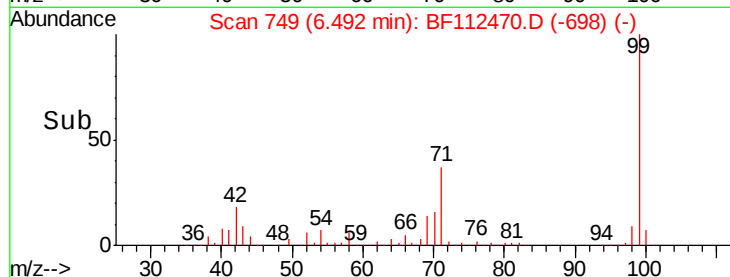
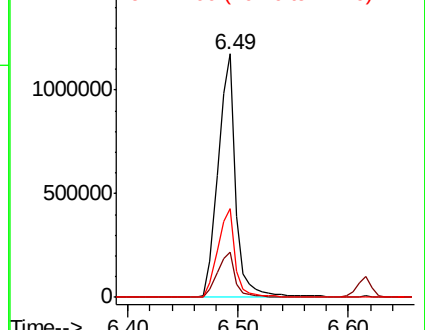


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 18.256 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112470.D

Acq: 8 Feb 2019 20:03

Tgt Ion: 70 Resp: 136986

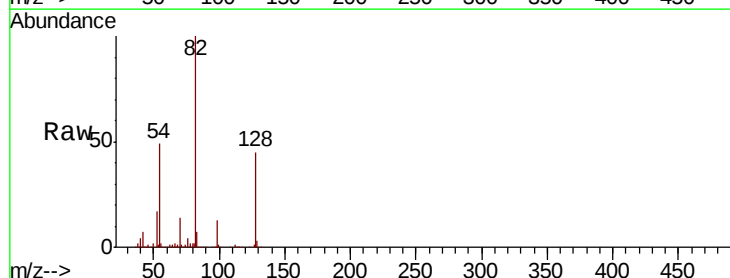
Ion	Ratio	Lower	Upper
70	100		
42	49.7	47.6	71.4
101	0.0	7.9	11.9#
130	2.3	18.4	27.6#

70 100

42 49.7 47.6 71.4

101 0.0 7.9 11.9#

130 2.3 18.4 27.6#



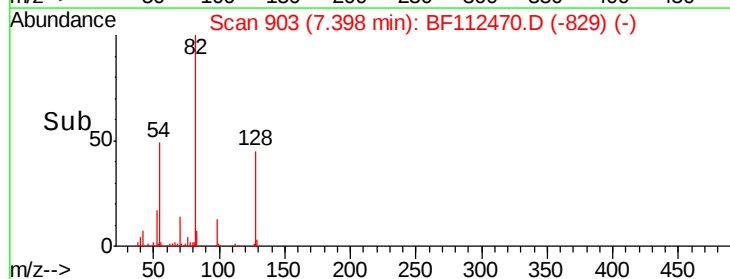
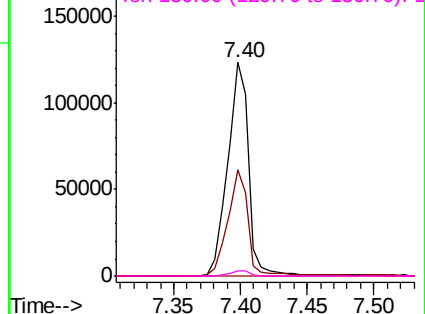
Abundance

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): BF1

Ion 130.00 (129.70 to 130.70): BF1

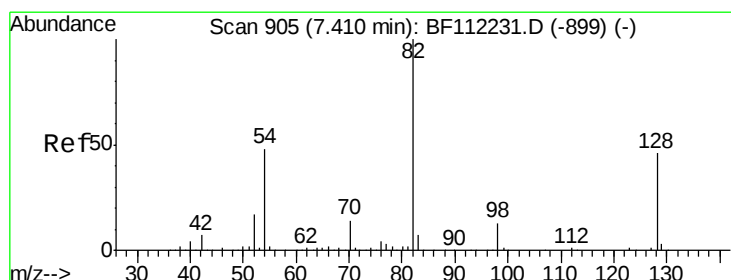
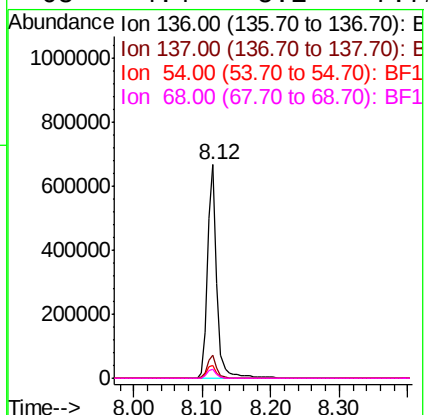
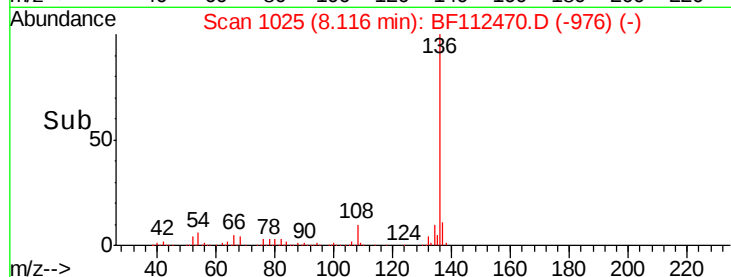
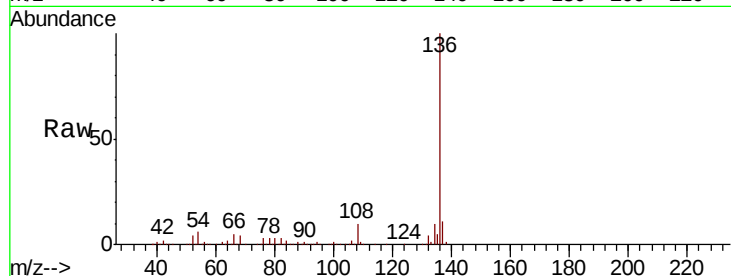




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112470.D
Acq: 8 Feb 2019 20:03

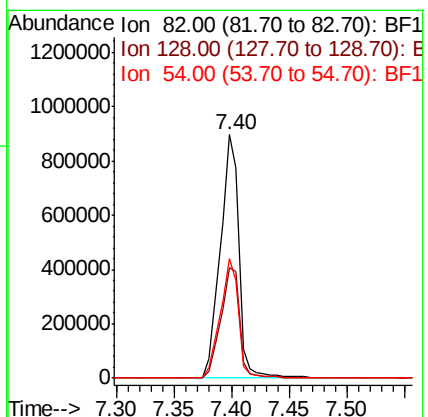
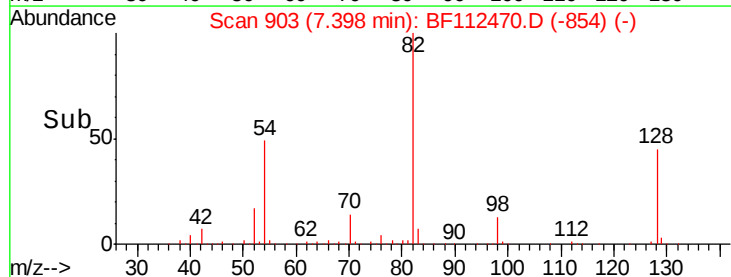
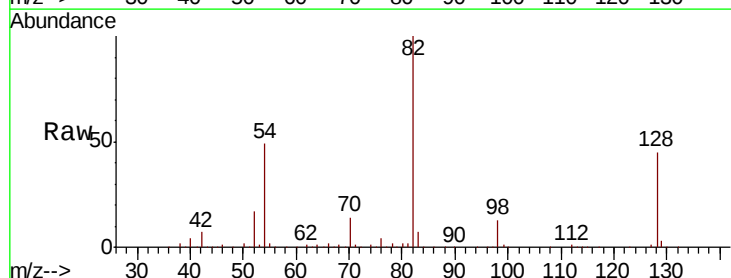
Instrument :
BNA_F
ClientSampleId :
OR-03-020719-B

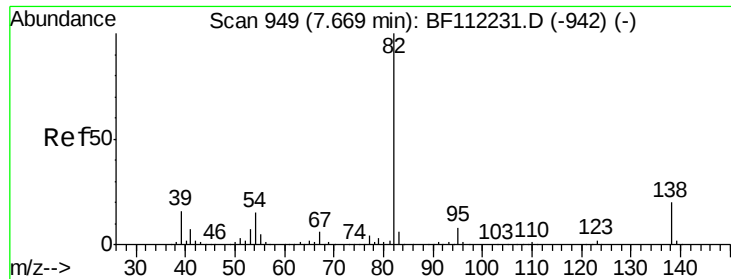
Tot Ion:136	Resp: 644757
Ion Ratio	Lower Upper
136 100	
137 10.9	9.1 13.7
54 6.0	5.9 8.9
68 4.4	5.1 7.7#



#23
Nitrobenzene-d5
Concen: 90.225 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112470.D
Acq: 8 Feb 2019 20:03

Tgt Ion: 82	Resp: 1009607
Ion Ratio	Lower Upper
82 100	
128 45.3	37.8 56.8
54 49.0	39.7 59.5





#25

Isophorone

Concen: 57.512 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112470.D

Acq: 8 Feb 2019 20:03

Instrument :

BNA_F

ClientSampleId :

OR-03-020719-B

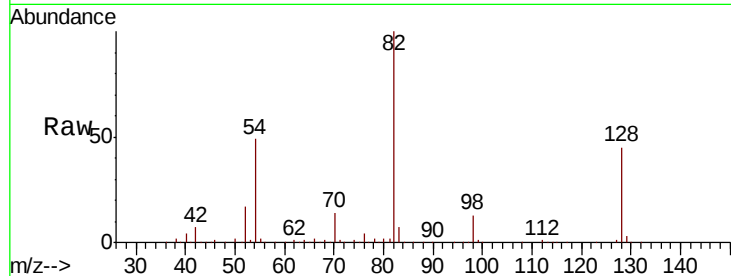
Tot Ion: 82 Resp: 1009594

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

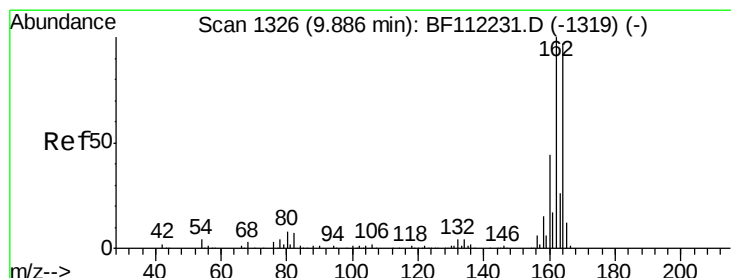
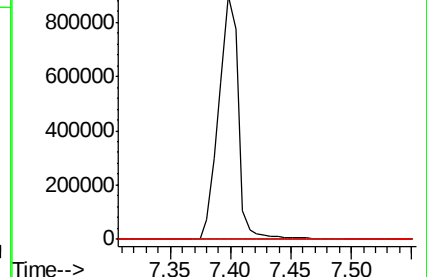
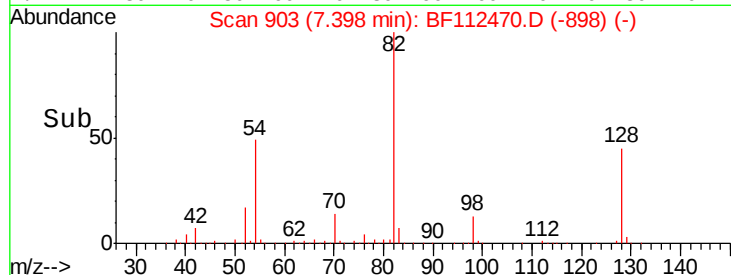
138 0.0 15.4 23.0#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112470.D

Acq: 8 Feb 2019 20:03

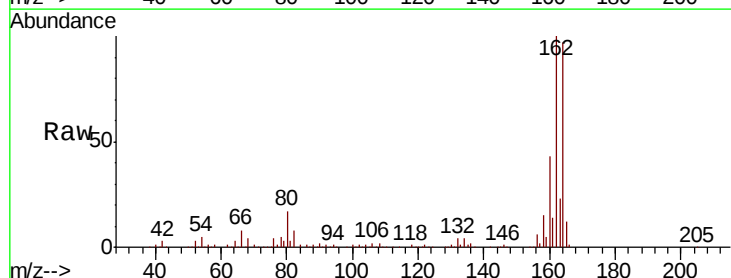
Tgt Ion:164 Resp: 304976

Ion Ratio Lower Upper

164 100

162 103.6 82.2 123.4

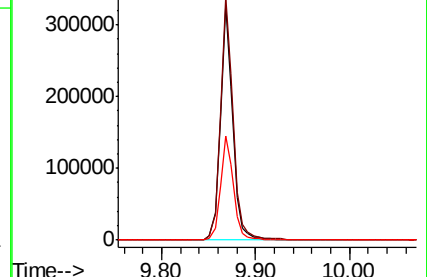
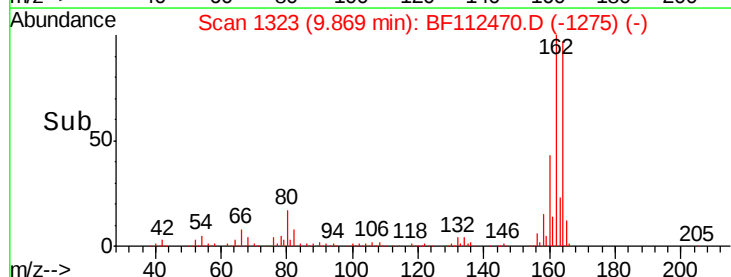
160 44.3 36.2 54.4

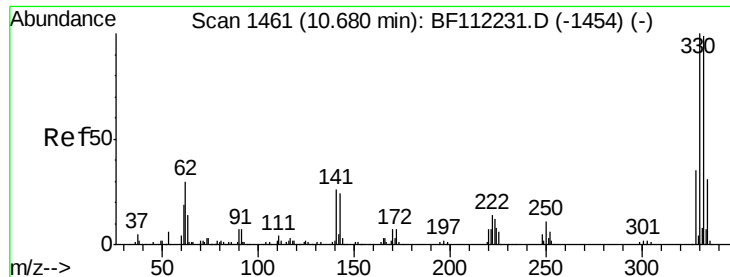


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 112.955 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112470.D

Acq: 8 Feb 2019 20:03

Instrument :

BNA_F

ClientSampleId :

OR-03-020719-B

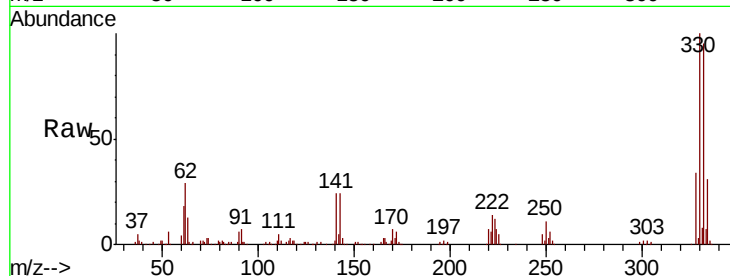
Tot Ion:330 Resp: 400970

Ion Ratio Lower Upper

330 100

332 94.4 76.6 114.8

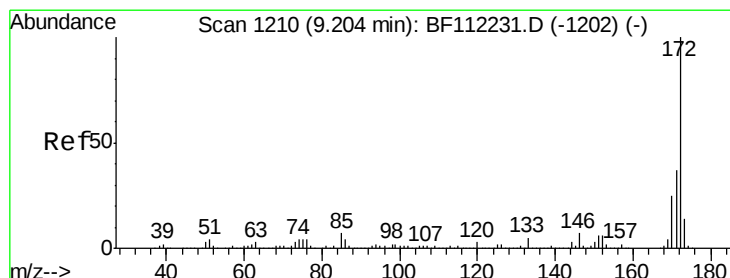
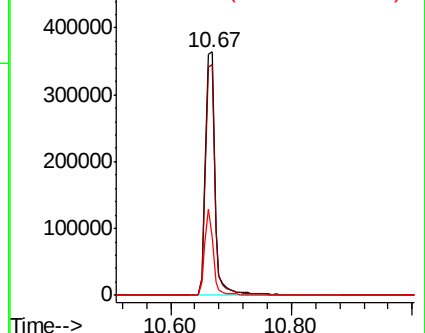
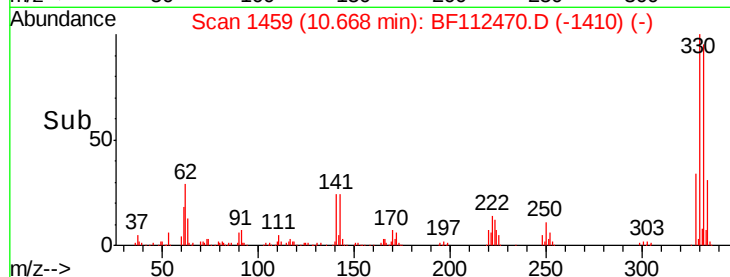
141 31.9 24.3 36.5



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: 87.904 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112470.D

Acq: 8 Feb 2019 20:03

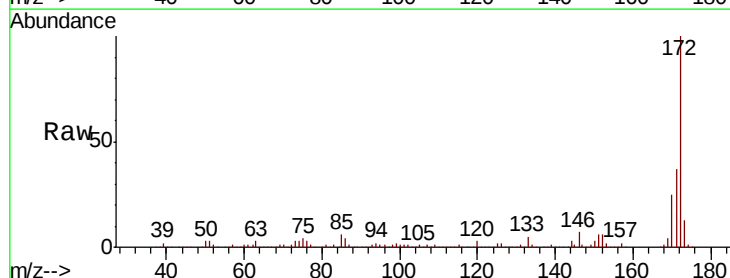
Tgt Ion:172 Resp: 1895487

Ion Ratio Lower Upper

172 100

171 37.1 30.5 45.7

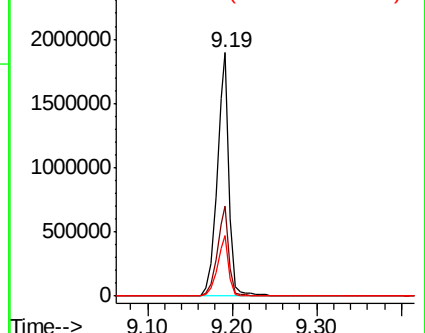
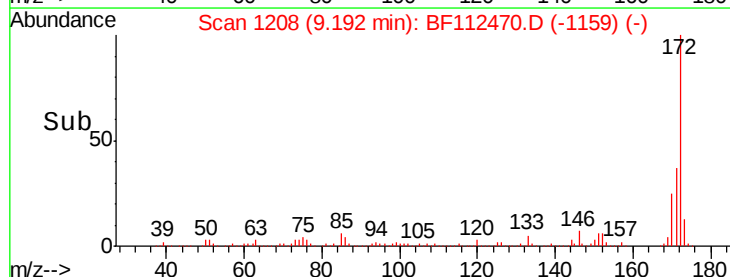
170 24.7 20.2 30.4

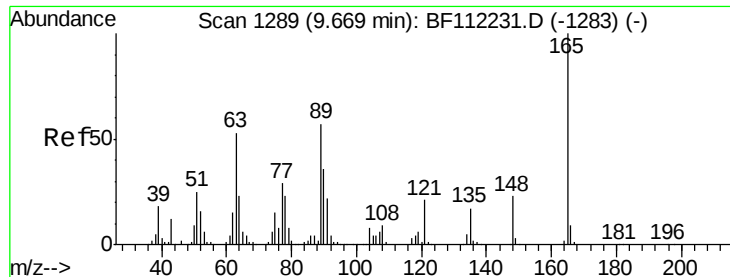


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.186 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.20 min

Lab File: BF112470.D

Acq: 8 Feb 2019 20:03

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BNA_F

ClientSampleId :

OR-03-020719-B

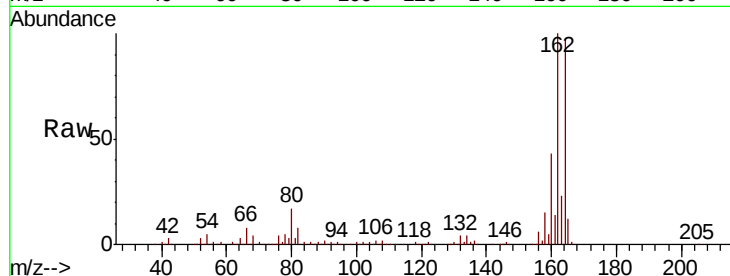
Tot Ion:165 Resp: 38133

Ion Ratio Lower Upper

165 100

63 1.4 33.8 50.8#

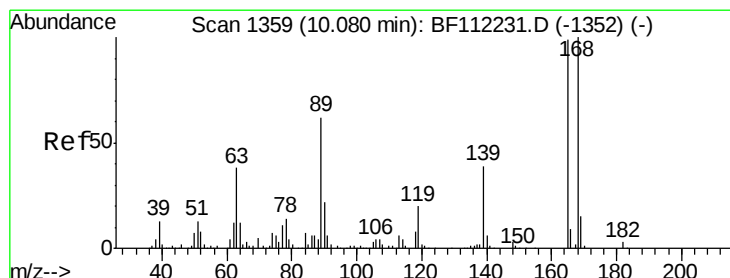
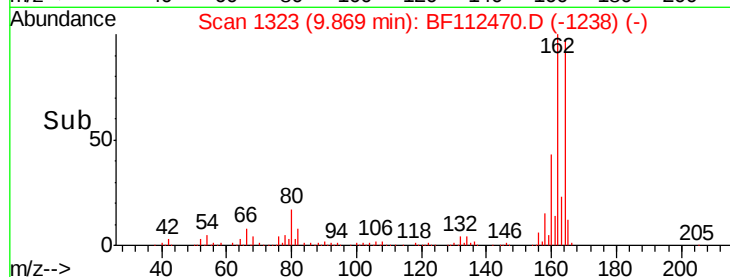
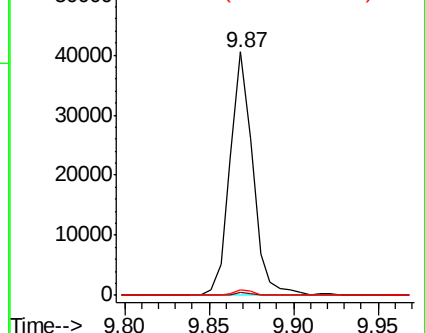
89 2.0 36.9 55.3#



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



#57

2,4-Dinitrotoluene

Concen: 5.645 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112470.D

Acq: 8 Feb 2019 20:03

Tgt Ion:165 Resp: 38134

Ion Ratio Lower Upper

165 100

63 1.4 27.9 41.9#

89 2.0 47.9 71.9#

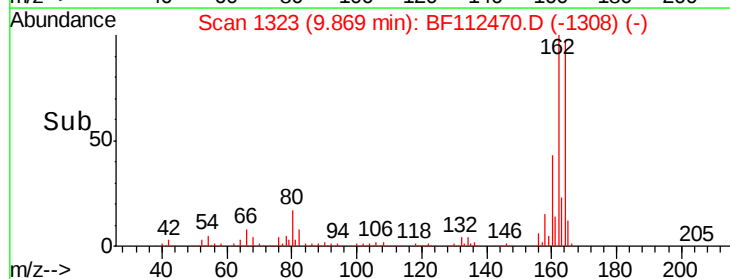
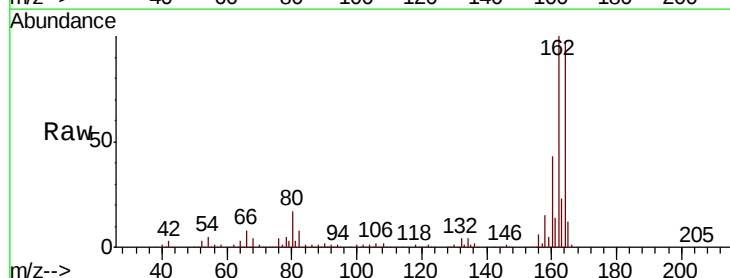
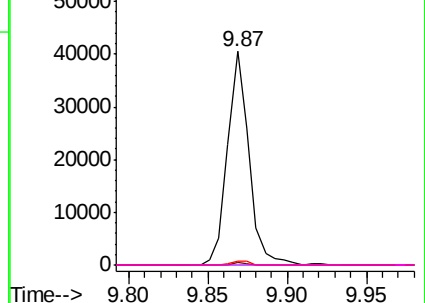
182 0.0 2.2 3.4#

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

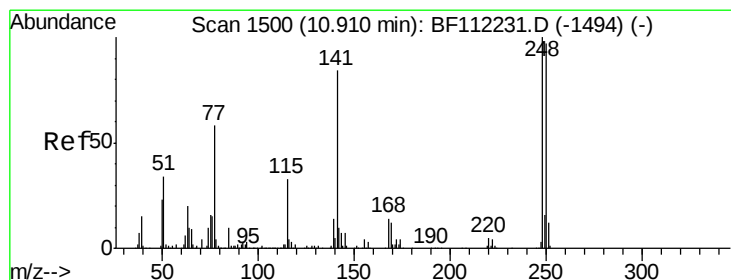
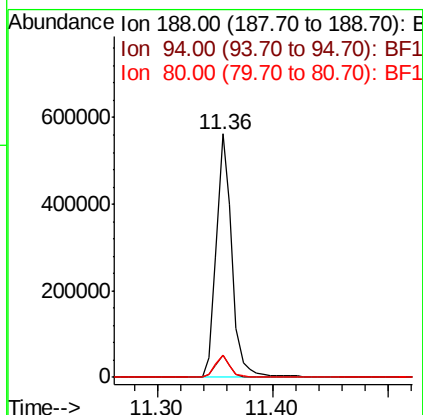
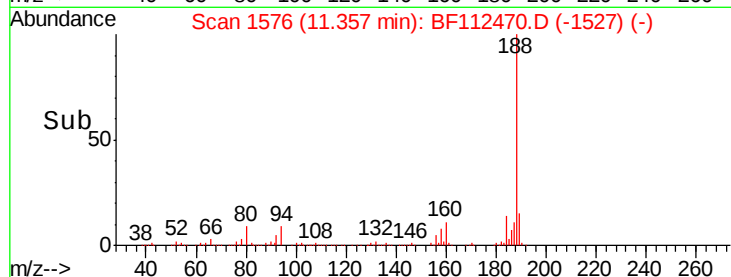
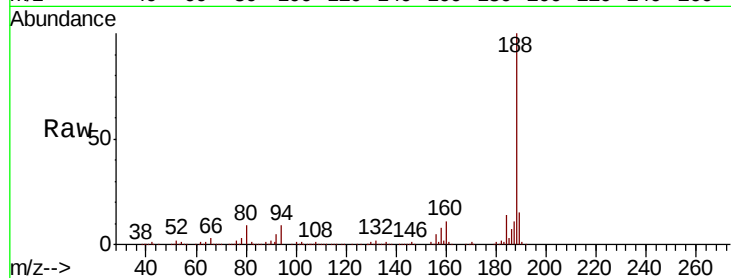




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112470.D
Acq: 8 Feb 2019 20:03

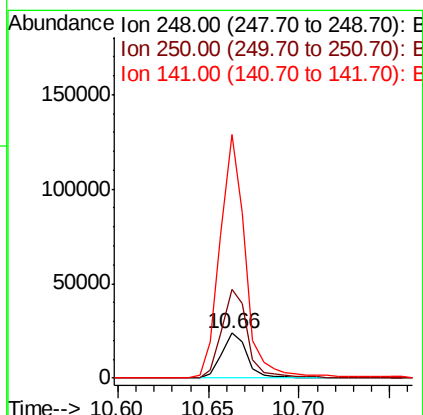
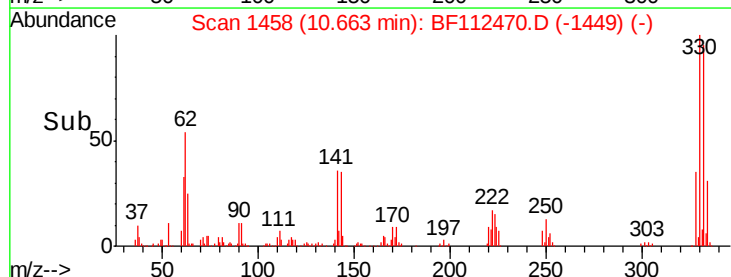
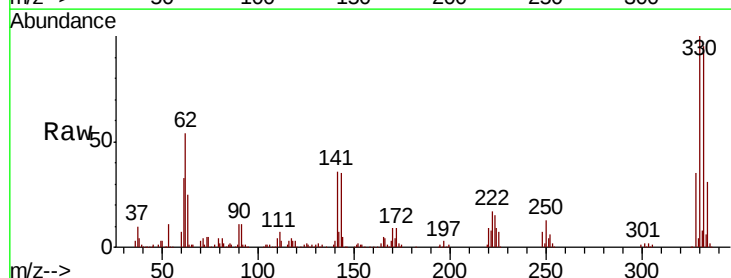
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OR-03-020719-B

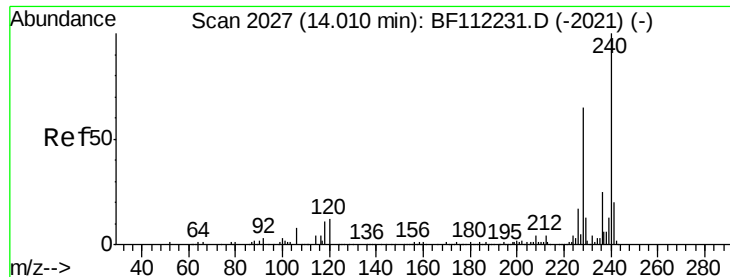
Tot Ion:188 Resp: 528057
Ion Ratio Lower Upper
188 100
94 9.1 8.2 12.2
80 9.3 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 3.786 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112470.D
Acq: 8 Feb 2019 20:03

Tgt Ion:248 Resp: 23513
Ion Ratio Lower Upper
248 100
250 197.4 79.7 119.5#
141 543.7 60.3 90.5#

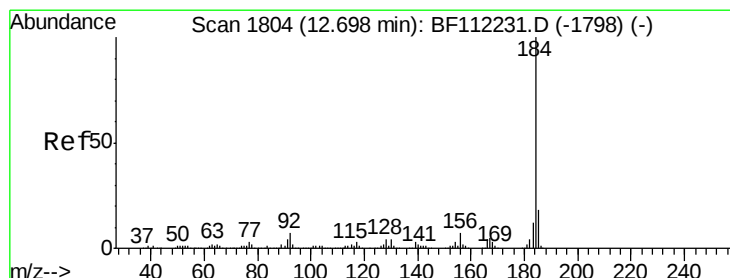
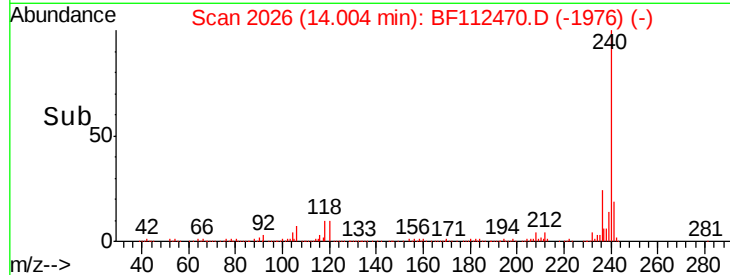
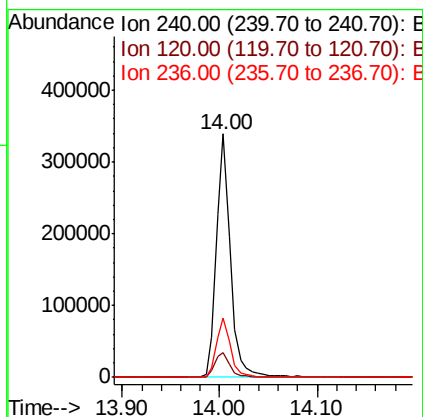
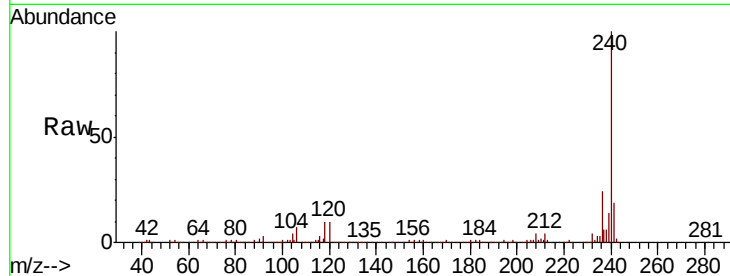




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF112470.D
 Acq: 8 Feb 2019 20:03

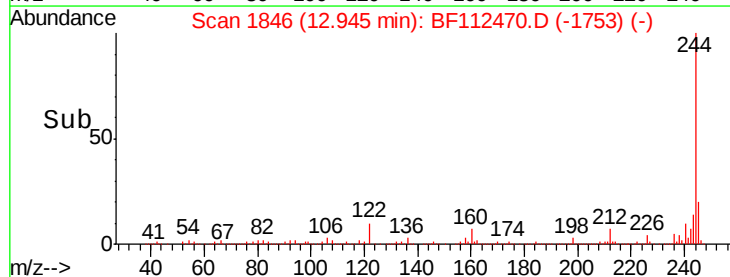
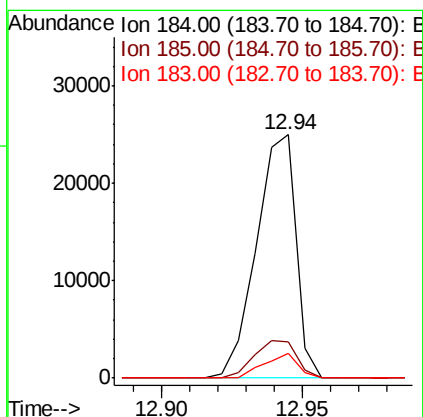
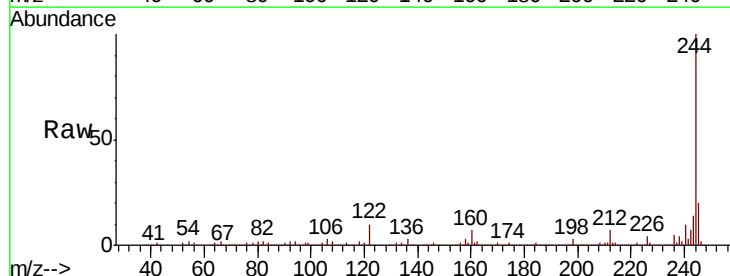
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-020719-B

Tot Ion:240 Resp: 338086
 Ion Ratio Lower Upper
 240 100
 120 10.2 9.0 13.6
 236 24.4 20.7 31.1



#77
 Benzidine
 Concen: 2.606 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. 0.25 min
 Lab File: BF112470.D
 Acq: 8 Feb 2019 20:03

Tgt Ion:184 Resp: 24253
 Ion Ratio Lower Upper
 184 100
 185 14.8 13.9 20.9
 183 10.4 10.0 15.0





#79

Terphenyl-d14

Concen: 92.999 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112470.D

Acq: 8 Feb 2019 20:03

Instrument :

BNA_F

ClientSampleId :

OR-03-020719-B

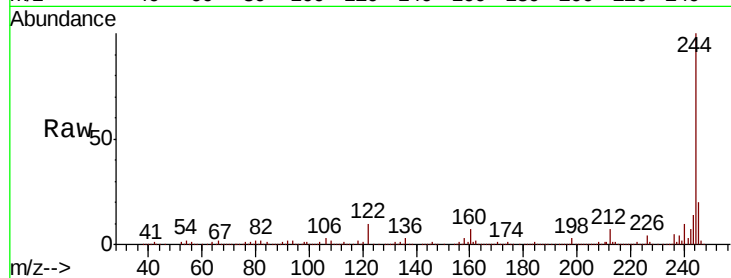
Tot Ion:244 Resp: 1669366

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

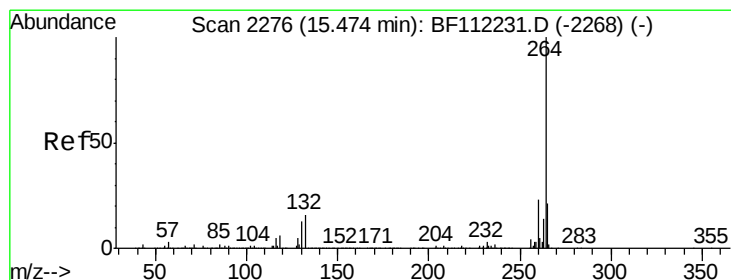
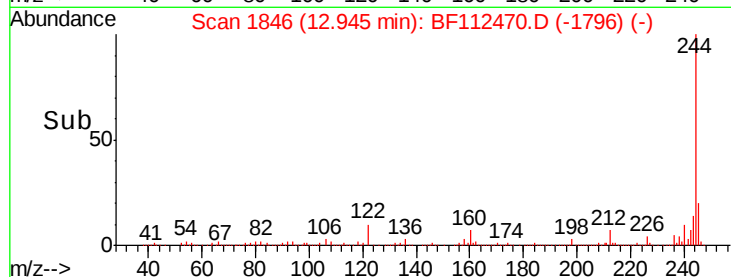
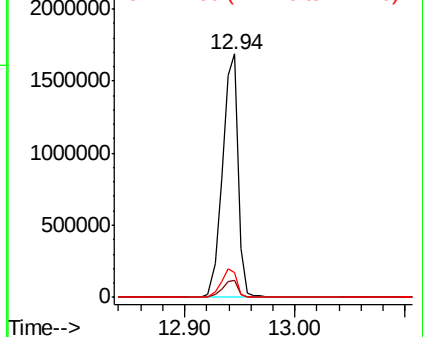
122 10.3 9.8 14.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BF112470.D

Acq: 8 Feb 2019 20:03

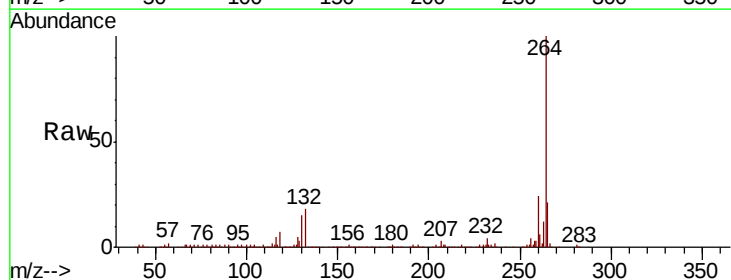
Tgt Ion:264 Resp: 339723

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.2

265 21.2 17.0 25.4



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

