

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
 Data File : BF112705.D
 Acq On : 25 Feb 2019 21:29
 Operator : JU/SJ
 Sample : K1596-04RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-13RE

Quant Time: Feb 26 00:08:47 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

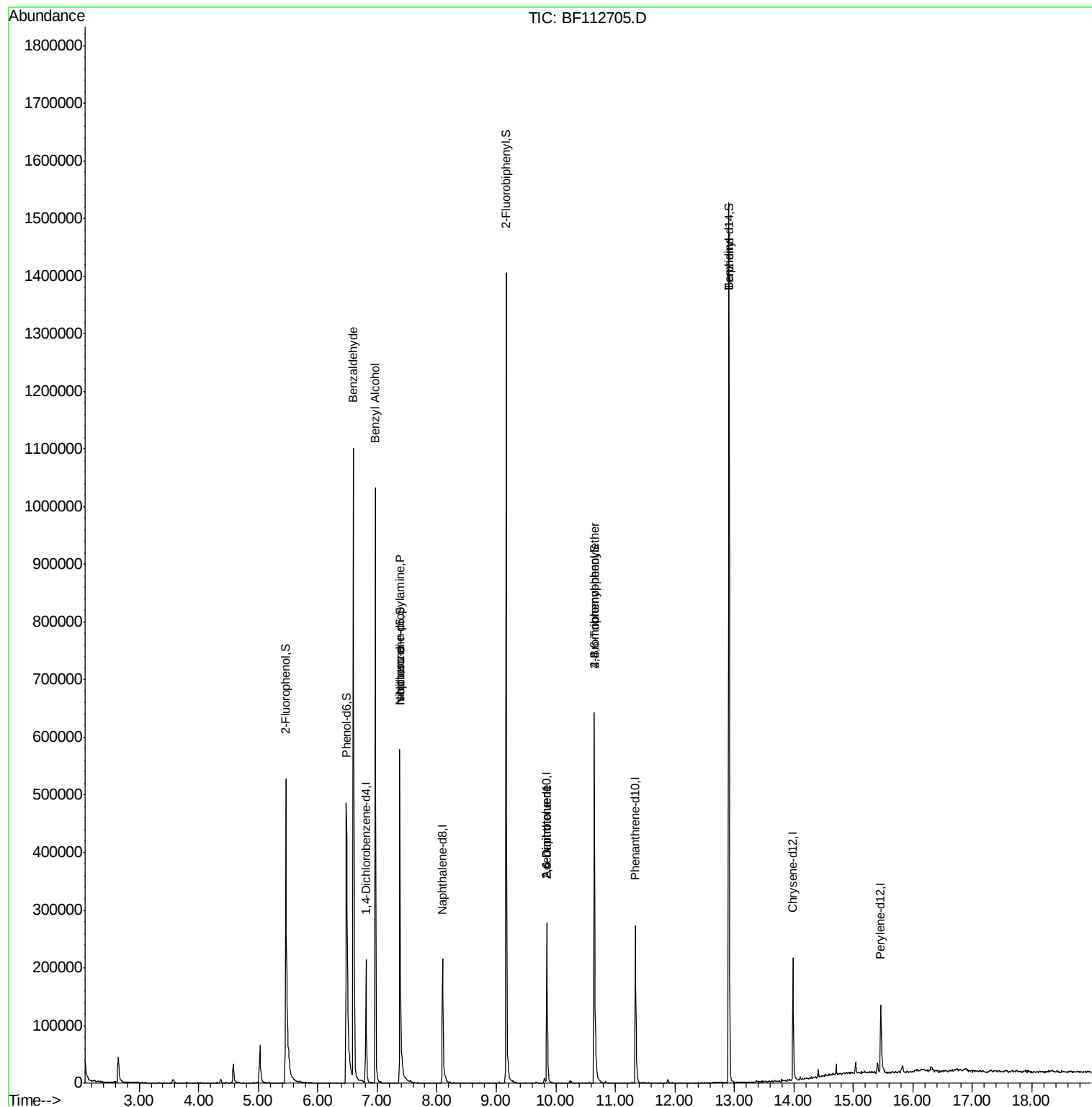
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	35694	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	143866	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	69038	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	126076	20.00	ng	-0.03
76) Chrysene-d12	13.99	240	92860	20.00	ng	-0.02
87) Perylene-d12	15.46	264	72178	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	269767	160.53	ng	-0.02
7) Phenol-d6	6.48	99	306036	131.06	ng	-0.01
23) Nitrobenzene-d5	7.38	82	239954	96.10	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	103632	128.96	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	491367	100.66	ng	-0.04
79) Terphenyl-d14	12.91	244	486997	98.78	ng	-0.04
Target Compounds						
9) Benzaldehyde	6.60	77	7961	6.523	ng	# 78
15) Benzyl Alcohol	6.97	79	4284	2.176	ng	# 53
19) n-Nitroso-di-n-propylamine	7.38	70	33371	20.726	ng	# 77
25) Isophorone	7.38	82	239954	61.260	ng	# 63
51) 2,6-Dinitrotoluene	9.85	165	8441	7.027	ng	# 32
57) 2,4-Dinitrotoluene	9.85	165	8441	5.519	ng	# 30
67) 4-Bromophenyl-phenylether	10.65	248	5799	3.911	ng	# 1
77) Benzydine	12.91	184	6941	2.716	ng	# 94

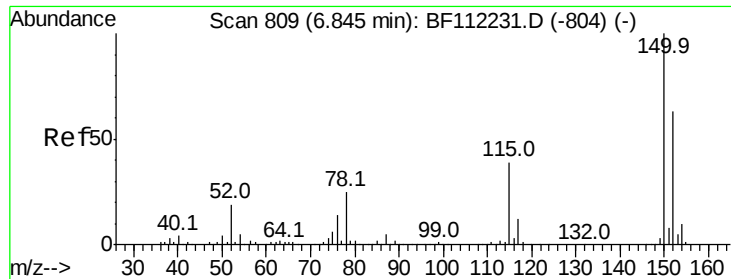
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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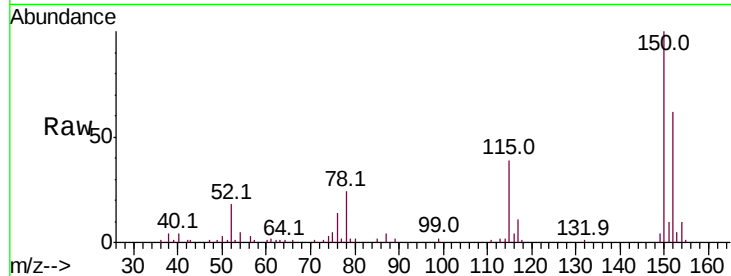


#1

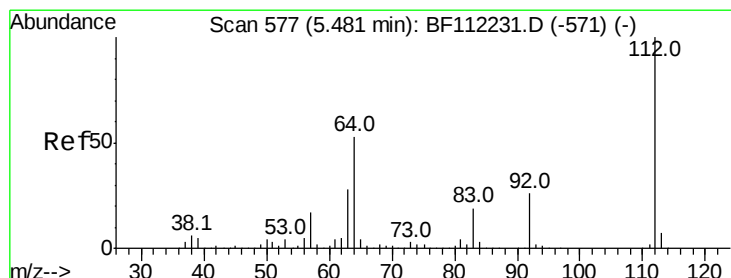
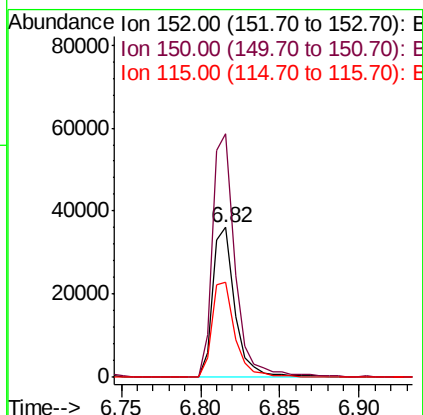
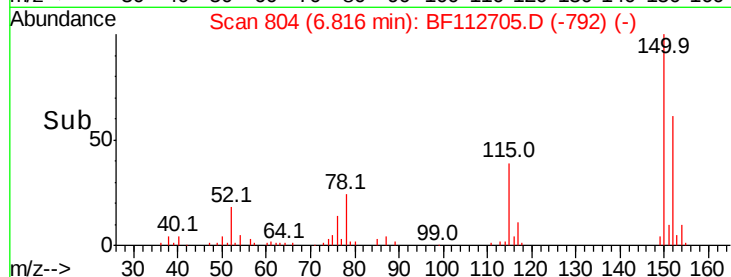
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF112705.D
Acq: 25 Feb 2019 21:29

Instrument :
BNA_F
ClientSampleId :
COMP-13RE

Tot Ion:152 Resp: 35694
Ion Ratio Lower Upper
152 100
150 162.3 127.4 191.0
115 63.2 45.5 68.3



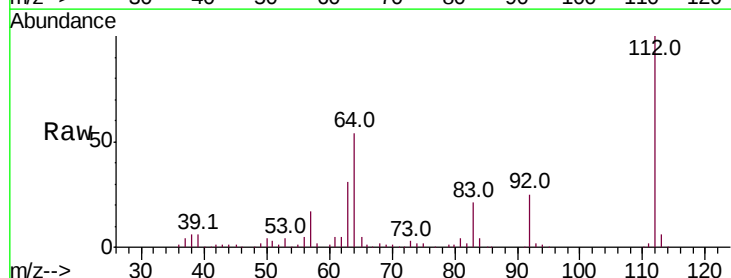
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



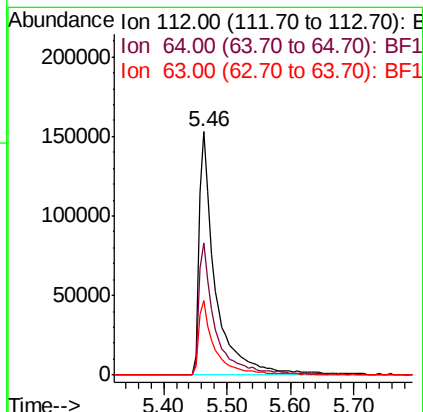
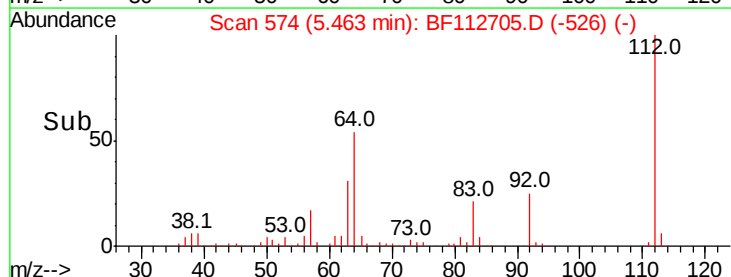
#5

2-Fluorophenol
Concen: 160.532 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112705.D
Acq: 25 Feb 2019 21:29

Tgt Ion:112 Resp: 269767
Ion Ratio Lower Upper
112 100
64 54.4 45.7 68.5
63 30.8 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: 131.060 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112705.D

Acq: 25 Feb 2019 21:29

Instrument :

BNA_F

ClientSampleId :

COMP-13RE

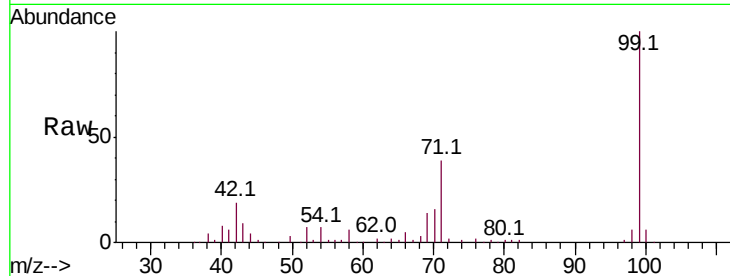
Tot Ion: 99 Resp: 306036

Ion Ratio Lower Upper

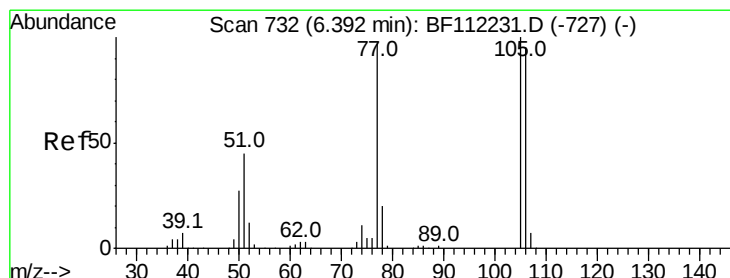
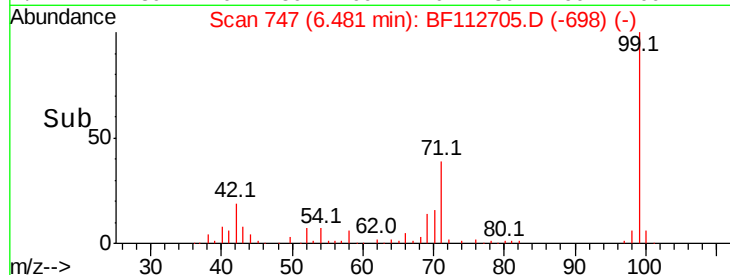
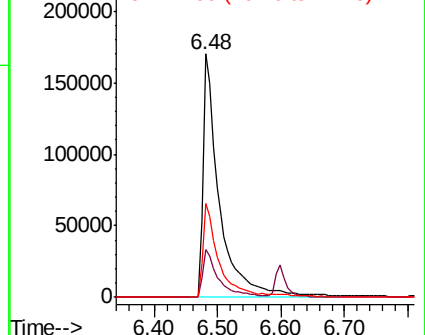
99 100

42 19.4 15.1 22.7

71 38.7 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



#9

Benzaldehyde

Concen: 6.523 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.21 min

Lab File: BF112705.D

Acq: 25 Feb 2019 21:29

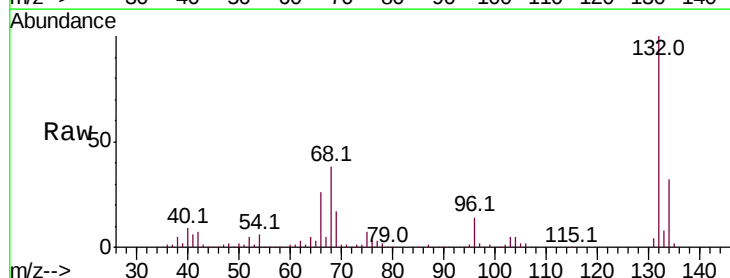
Tgt Ion: 77 Resp: 7961

Ion Ratio Lower Upper

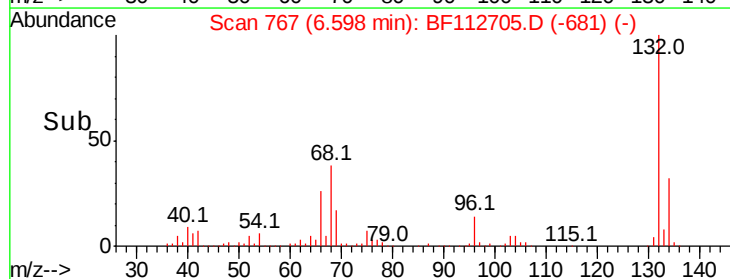
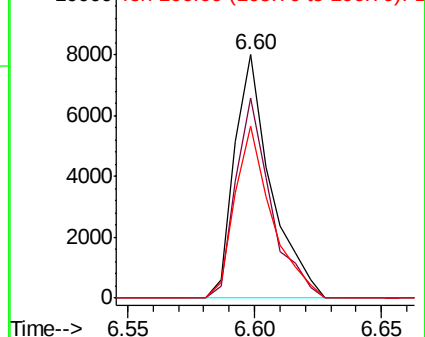
77 100

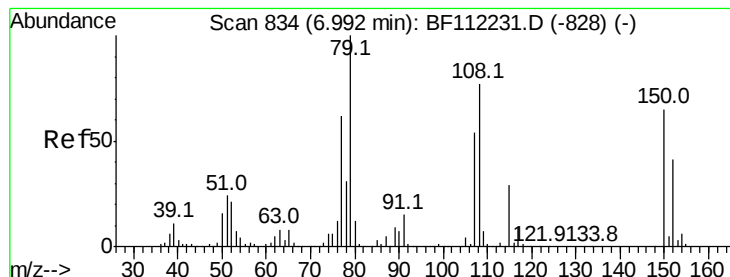
105 82.0 80.8 120.8

106 70.8 75.7 115.7#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.176 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.02 min

Lab File: BF112705.D

Acq: 25 Feb 2019 21:29

Instrument :

BNA_F

ClientSampleId :

COMP-13RE

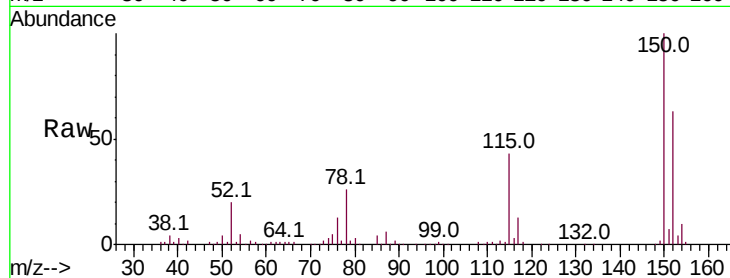
Tot Ion: 79 Resp: 4284

Ion Ratio Lower Upper

79 100

108 26.6 64.2 96.2#

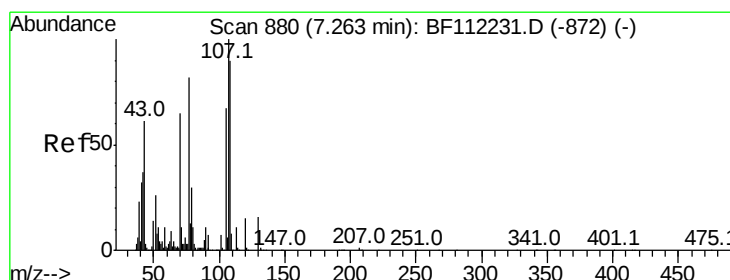
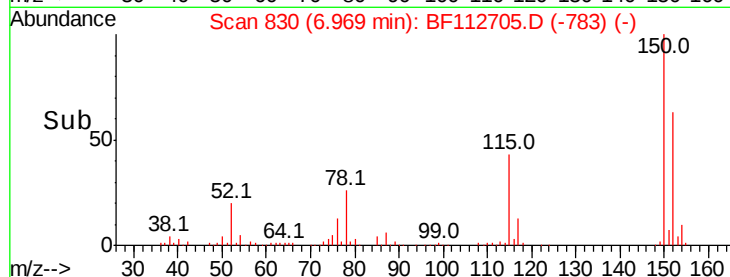
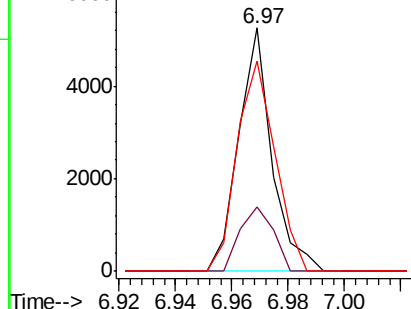
77 86.1 50.3 75.5#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 20.726 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.12 min

Lab File: BF112705.D

Acq: 25 Feb 2019 21:29

Tgt Ion: 70 Resp: 33371

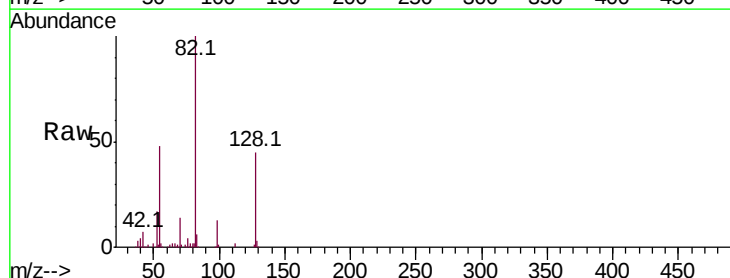
Ion Ratio Lower Upper

70 100

42 48.9 47.6 71.4

101 0.0 7.9 11.9#

130 2.3 18.4 27.6#

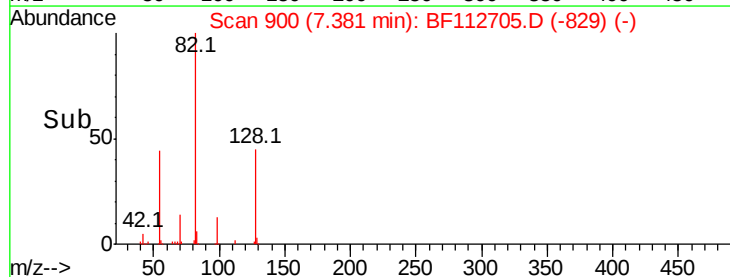
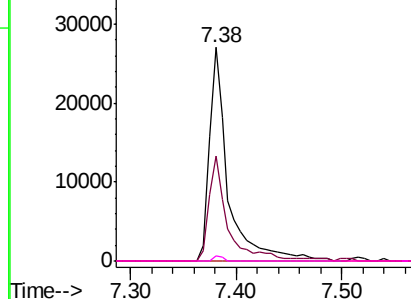


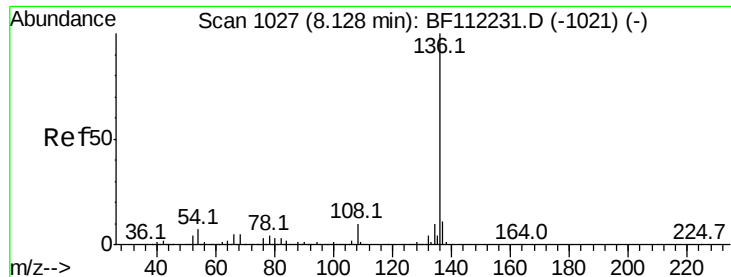
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

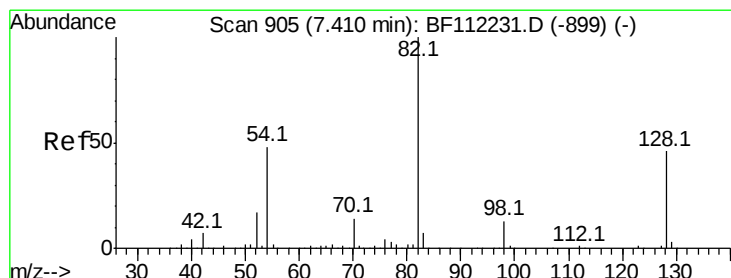
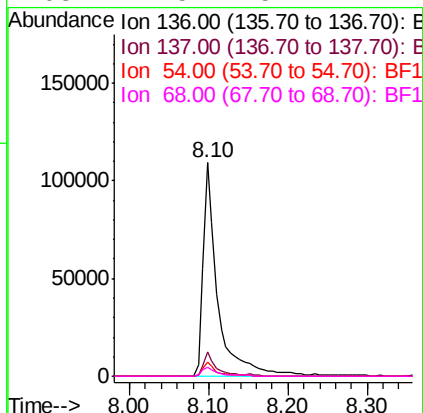
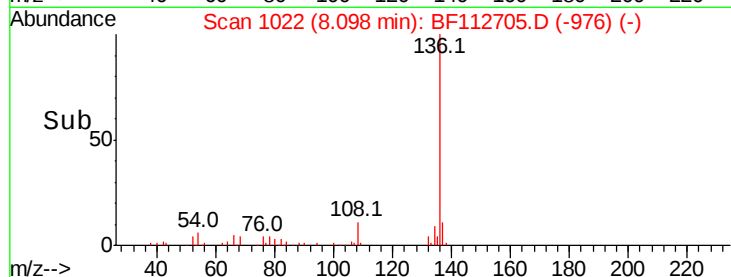
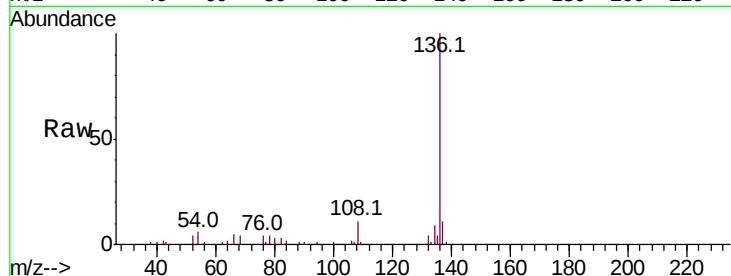




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BF112705.D
Acq: 25 Feb 2019 21:29

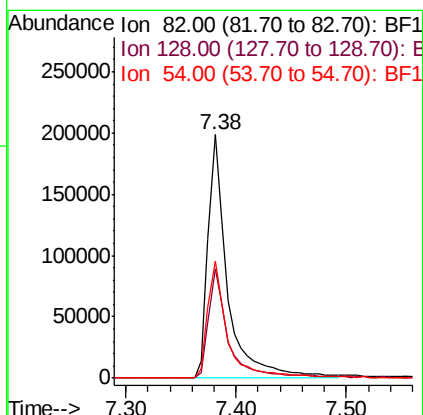
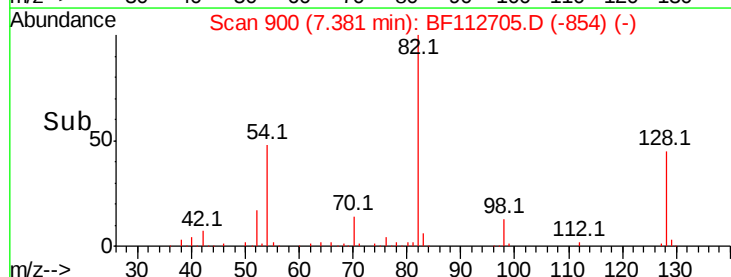
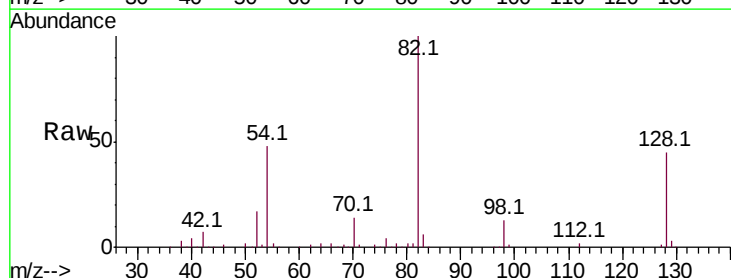
Instrument :
BNA_F
ClientSampleId :
COMP-13RE

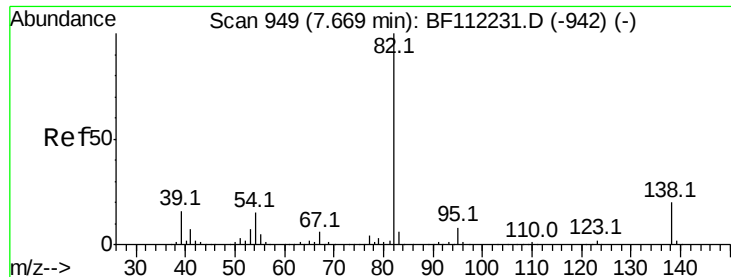
Tot Ion:136	Resp:	143866
Ion	Ratio	Lower Upper
136	100	
137	11.2	9.1 13.7
54	6.3	5.9 8.9
68	4.5	5.1 7.7#



#23
Nitrobenzene-d5
Concen: 96.104 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.03 min
Lab File: BF112705.D
Acq: 25 Feb 2019 21:29

Tgt Ion: 82	Resp:	239954
Ion	Ratio	Lower Upper
82	100	
128	44.7	37.8 56.8
54	48.2	39.7 59.5





#25

Isophorone

Concen: 61.260 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.29 min

Lab File: BF112705.D

Acq: 25 Feb 2019 21:29

Instrument :

BNA_F

ClientSampleId :

COMP-13RE

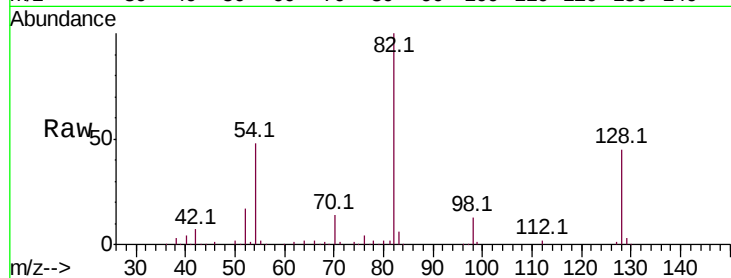
Tot Ion: 82 Resp: 239954

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

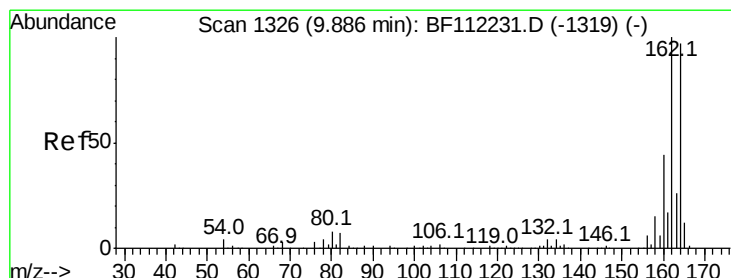
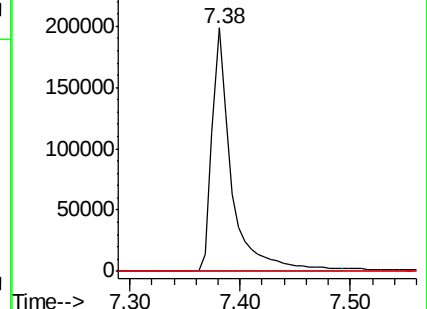
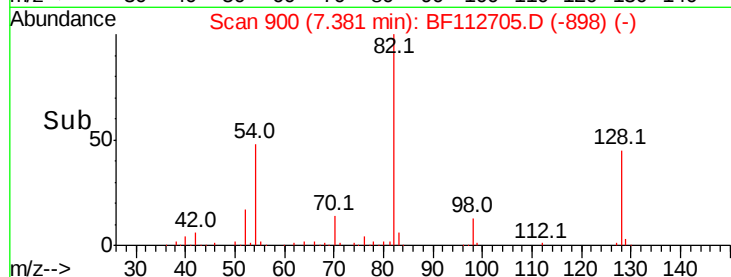
138 0.0 15.4 23.0#



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: 9.85 min Scan# 1320

Delta R.T. -0.04 min

Lab File: BF112705.D

Acq: 25 Feb 2019 21:29

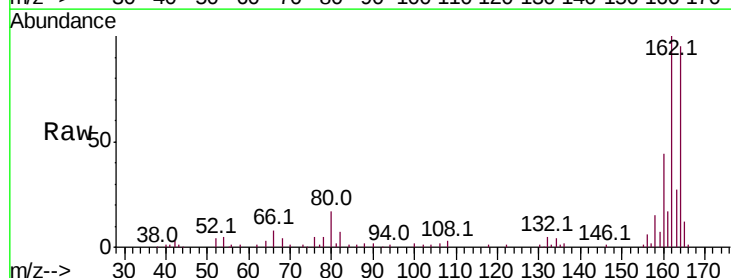
Tgt Ion:164 Resp: 69038

Ion Ratio Lower Upper

164 100

162 105.2 82.2 123.4

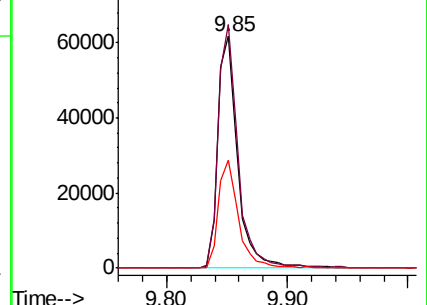
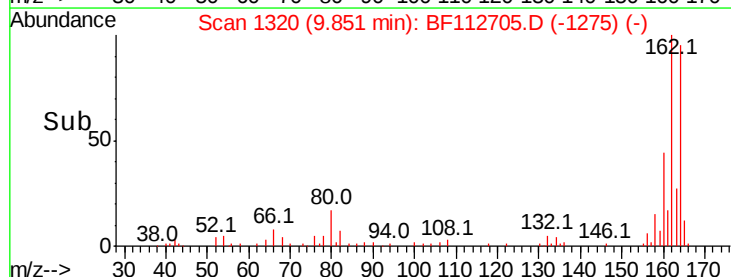
160 46.7 36.2 54.4

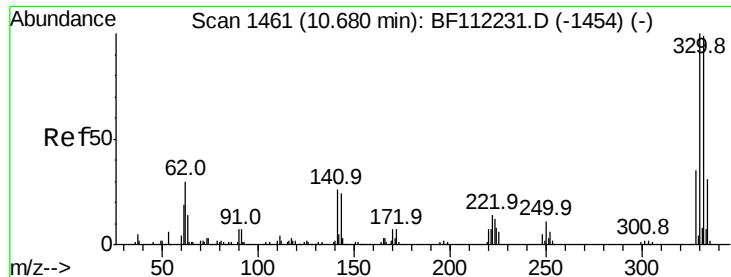


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

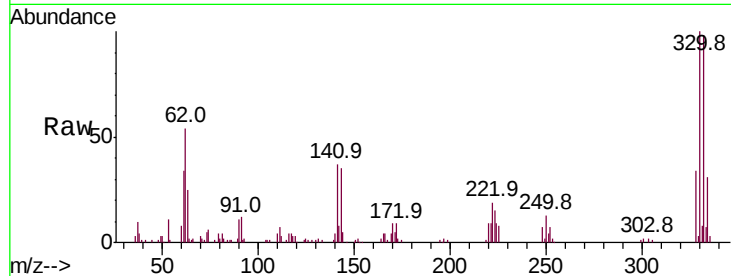




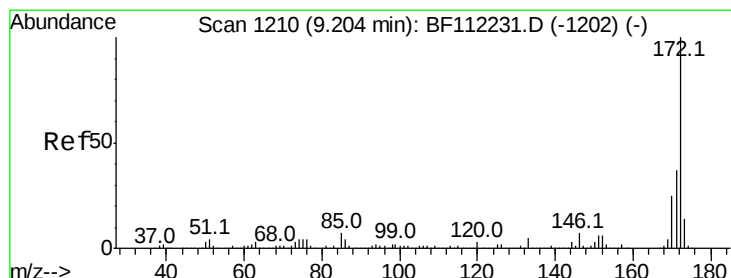
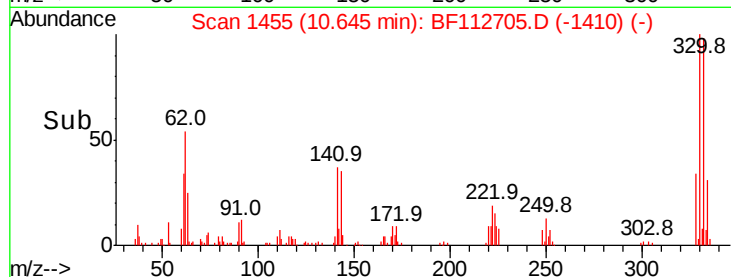
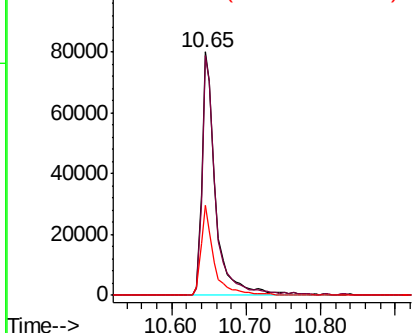
#42
 2,4,6-Tribromophenol
 Concen: 128.962 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.04 min
 Lab File: BF112705.D
 Acq: 25 Feb 2019 21:29

Instrument :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	114.8
141	34.8	24.3	36.5

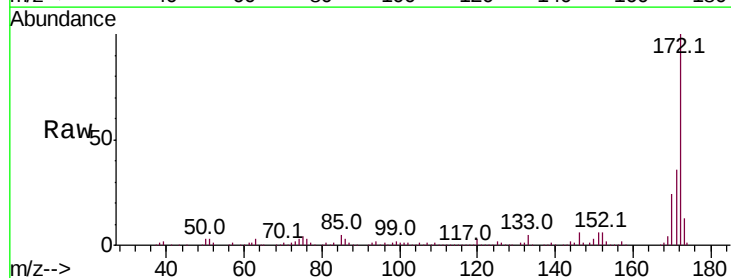


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

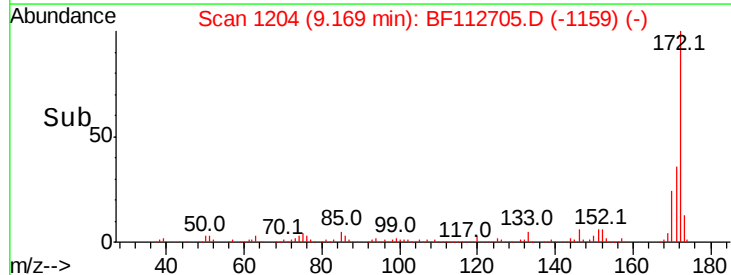
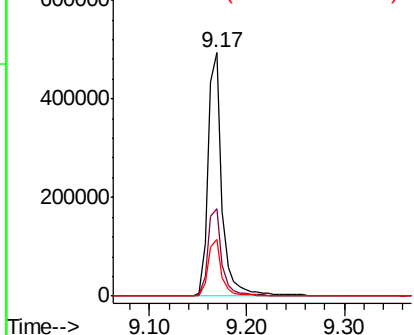


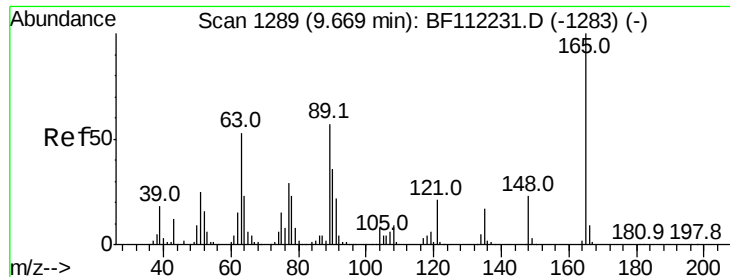
#45
 2-Fluorobiphenyl
 Concen: 100.663 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF112705.D
 Acq: 25 Feb 2019 21:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.5	45.7
170	23.5	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: 7.027 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.18 min

Lab File: BF112705.D

Acq: 25 Feb 2019 21:29

Instrument :

BNA_F

ClientSampleId :

COMP-13RE

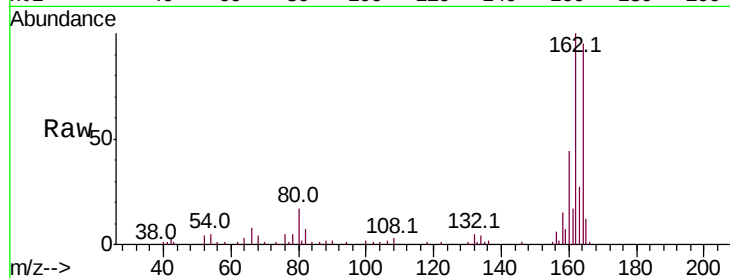
Tot Ion:165 Resp: 8441

Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.8#

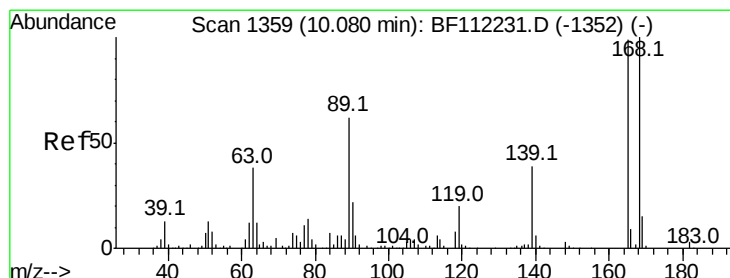
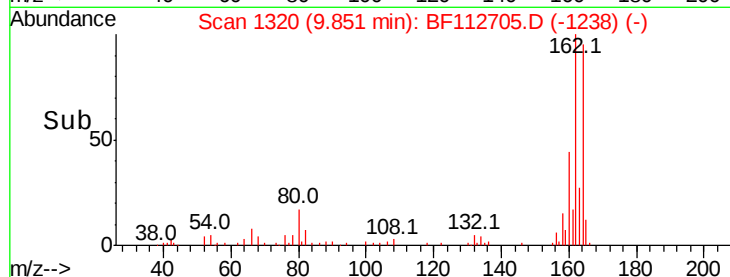
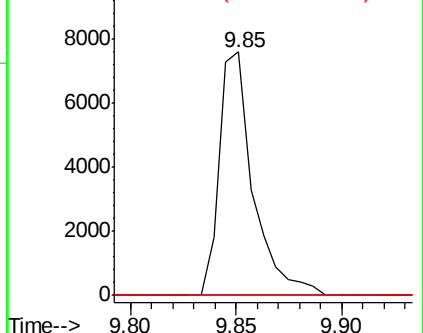
89 0.0 36.9 55.3#



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: 5.519 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.23 min

Lab File: BF112705.D

Acq: 25 Feb 2019 21:29

Tgt Ion:165 Resp: 8441

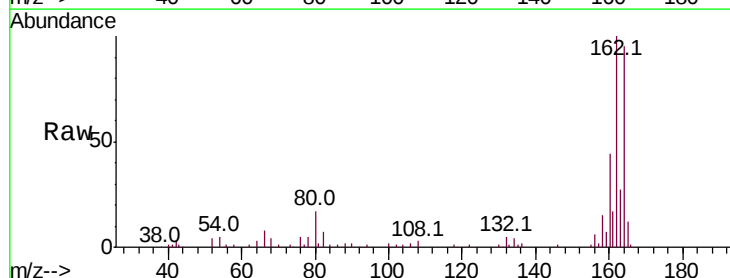
Ion Ratio Lower Upper

165 100

63 0.0 27.9 41.9#

89 0.0 47.9 71.9#

182 0.0 2.2 3.4#

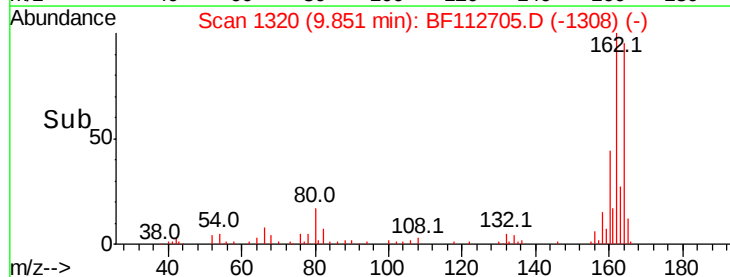
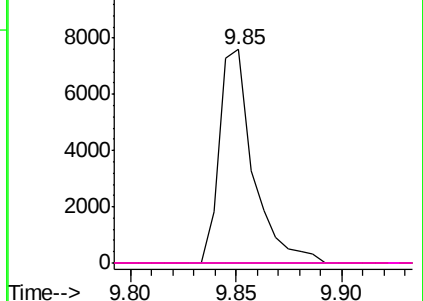


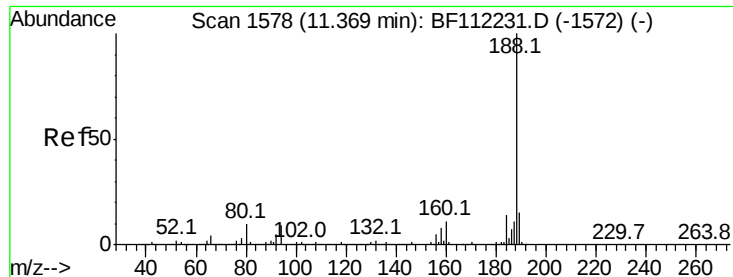
Abundance Ion 165.00 (164.70 to 165.70): E

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

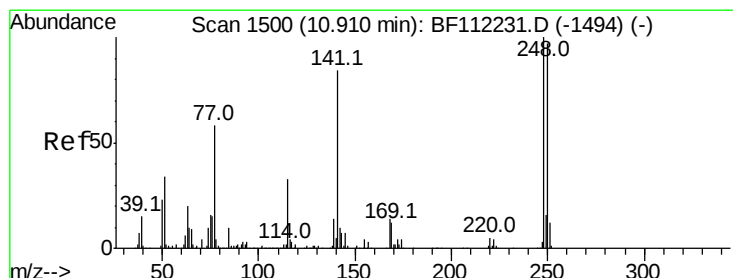
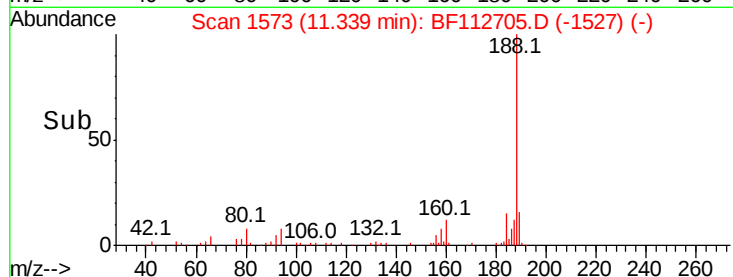
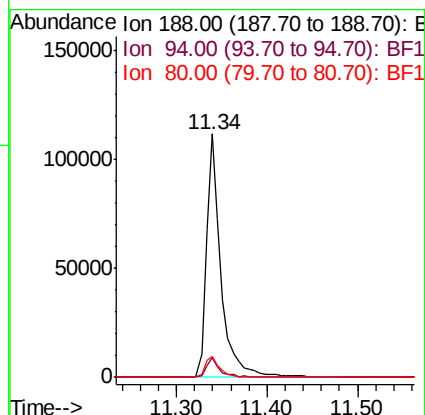
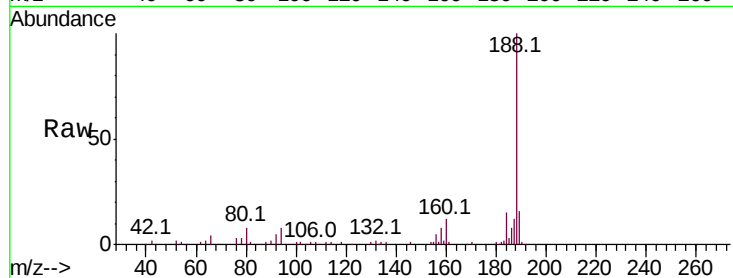




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.03 min
Lab File: BF112705.D
Acq: 25 Feb 2019 21:29

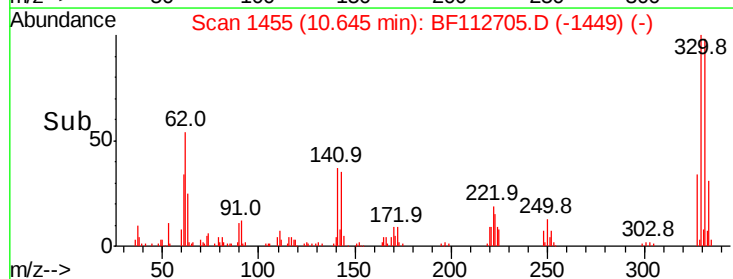
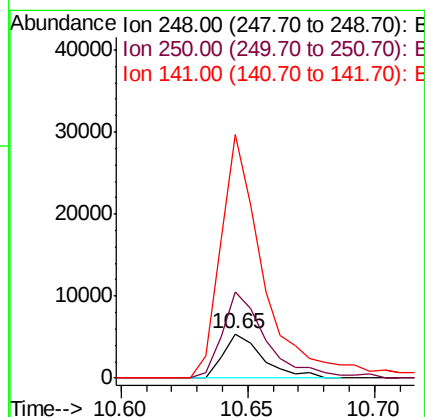
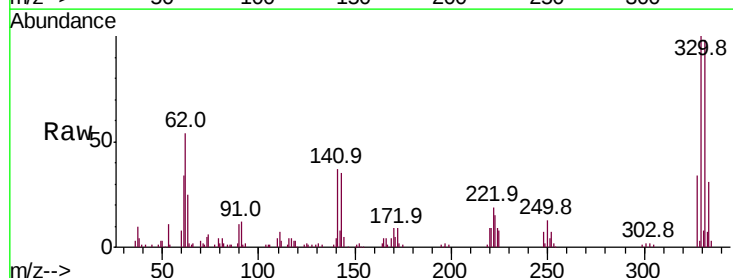
Instrument :
BNA_F
ClientSampleId :
COMP-13RE

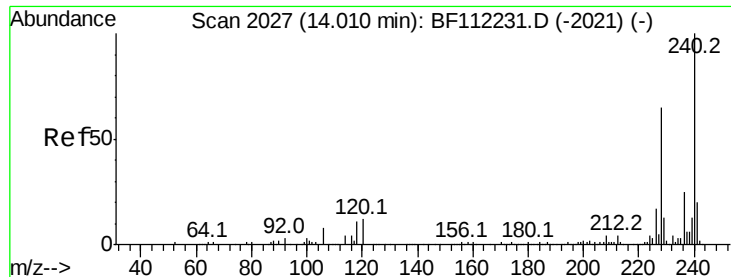
Tot Ion:188 Resp: 126076
Ion Ratio Lower Upper
188 100
94 7.9 8.2 12.2#
80 8.4 8.9 13.3#



#67
4-Bromophenyl-phenylether
Concen: 3.911 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.26 min
Lab File: BF112705.D
Acq: 25 Feb 2019 21:29

Tgt Ion:248 Resp: 5799
Ion Ratio Lower Upper
248 100
250 193.3 79.7 119.5#
141 549.6 60.3 90.5#

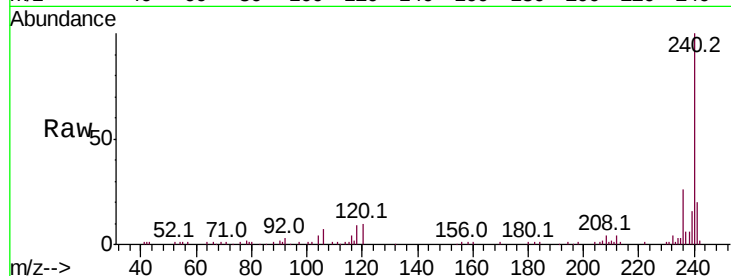




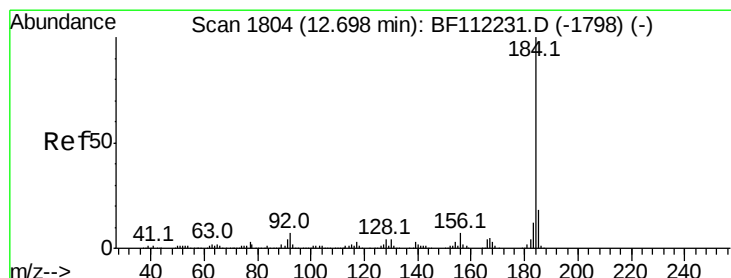
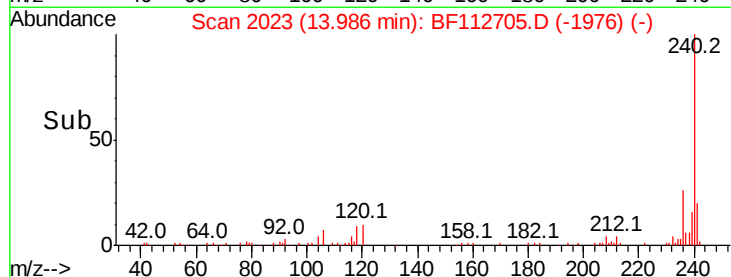
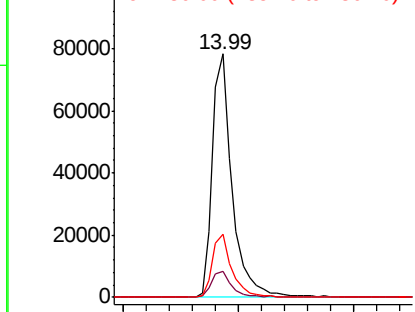
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.02 min
 Lab File: BF112705.D
 Acq: 25 Feb 2019 21:29

Instrument :
 BNA_F
 ClientSampleId :
 COMP-13RE

Tot Ion:240 Resp: 92860
 Ion Ratio Lower Upper
 240 100
 120 10.5 9.0 13.6
 236 26.2 20.7 31.1

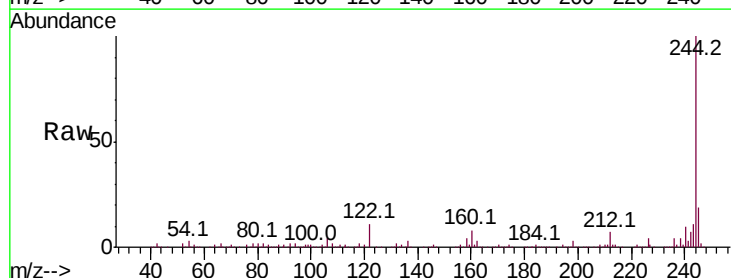


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

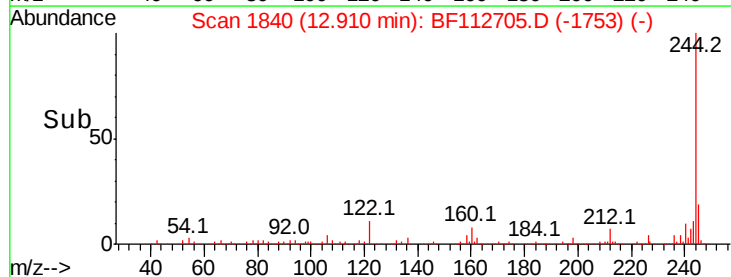
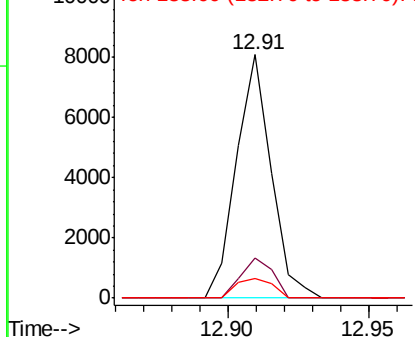


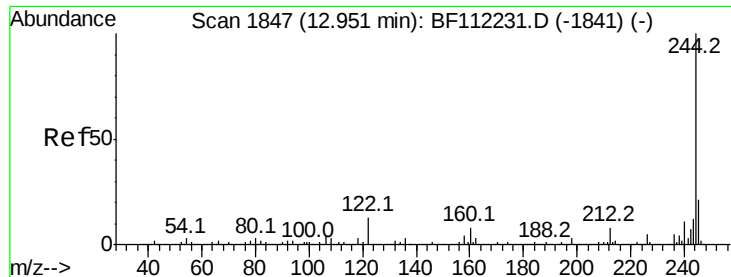
#77
 Benzidine
 Concen: 2.716 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.21 min
 Lab File: BF112705.D
 Acq: 25 Feb 2019 21:29

Tgt Ion:184 Resp: 6941
 Ion Ratio Lower Upper
 184 100
 185 16.4 13.9 20.9
 183 8.1 10.0 15.0#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 98.776 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.04 min

Lab File: BF112705.D

Acq: 25 Feb 2019 21:29

Instrument :

BNA_F

ClientSampleId :

COMP-13RE

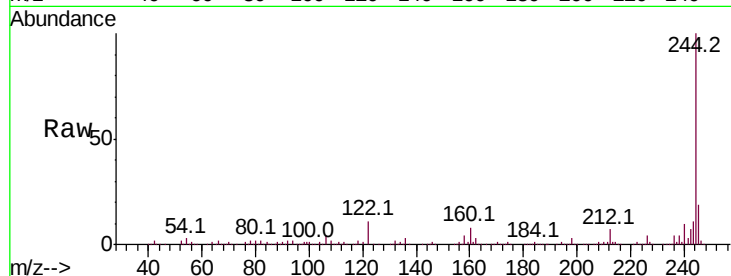
Tot Ion:244 Resp: 486997

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

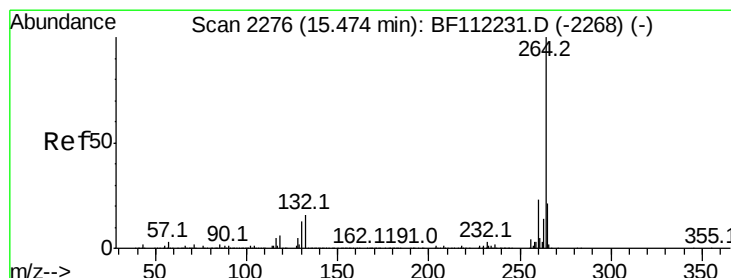
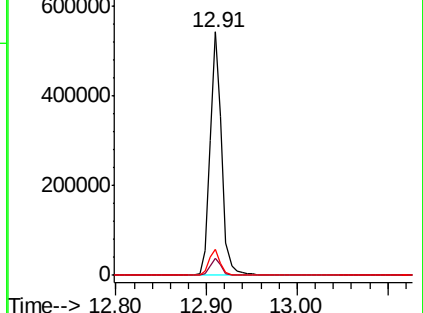
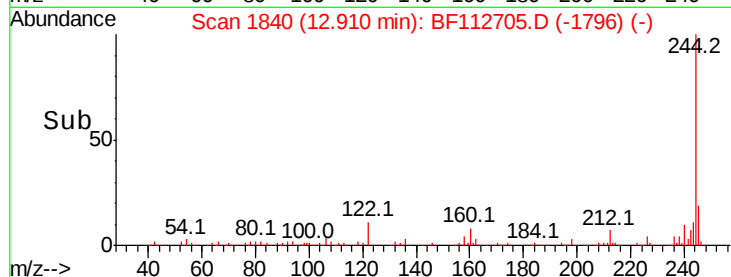
122 10.9 9.8 14.6



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: 15.46 min Scan# 2273

Delta R.T. -0.02 min

Lab File: BF112705.D

Acq: 25 Feb 2019 21:29

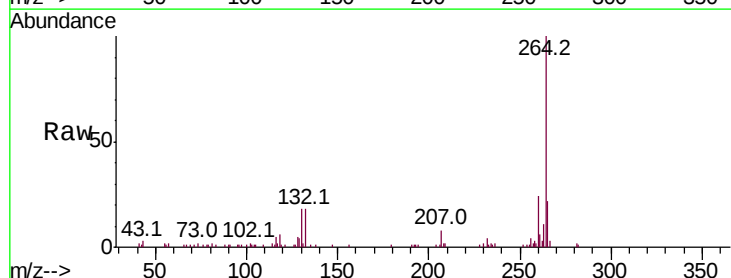
Tgt Ion:264 Resp: 72178

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.2

265 22.4 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

