

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052419\
 Data File : BF114594.D
 Acq On : 25 May 2019 2:15
 Operator : JU/SJ
 Sample : K3008-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-20

Quant Time: May 26 23:04:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 07:23:33 2019
 Response via : Initial Calibration

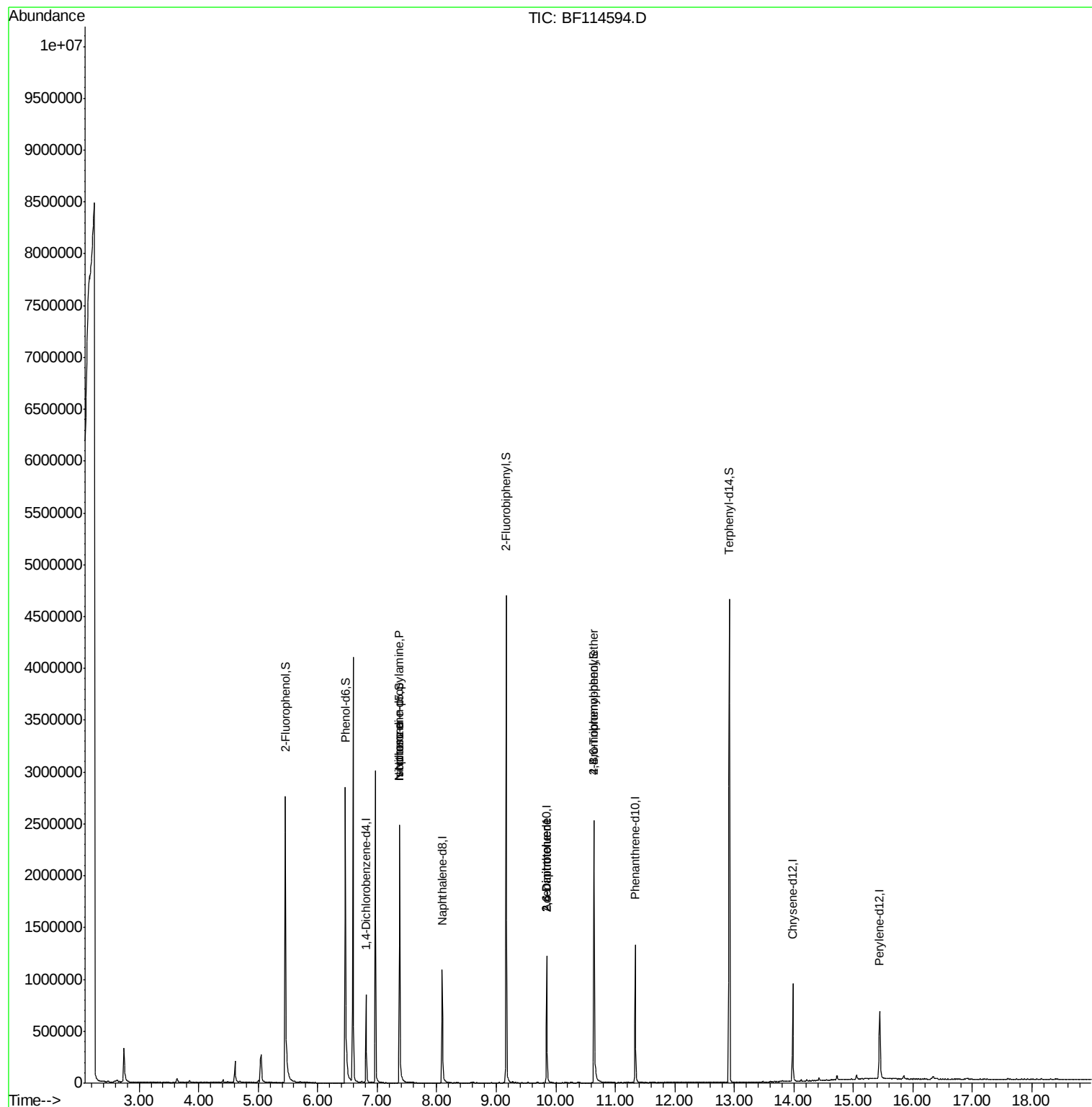
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	136552	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	522625	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	245781	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	512683	20.00	ng	0.00
76) Chrysene-d12	13.98	240	341142	20.00	ng	0.00
87) Perylene-d12	15.44	264	341569	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	955772	112.64	ng	0.01
7) Phenol-d6	6.46	99	1116274	111.23	ng	0.00
23) Nitrobenzene-d5	7.37	82	823078	88.38	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	343565	135.21	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1450296	89.26	ng	0.00
79) Terphenyl-d14	12.92	244	1660536	100.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	111052	17.458	ng	# 75
25) Isophorone	7.37	82	823071	47.656	ng	# 64
51) 2,6-Dinitrotoluene	9.85	165	30355	7.585	ng	# 22
57) 2,4-Dinitrotoluene	9.85	165	30355	5.589	ng	# 25
67) 4-Bromophenyl-phenylether	10.64	248	21591	3.825	ng	# 1

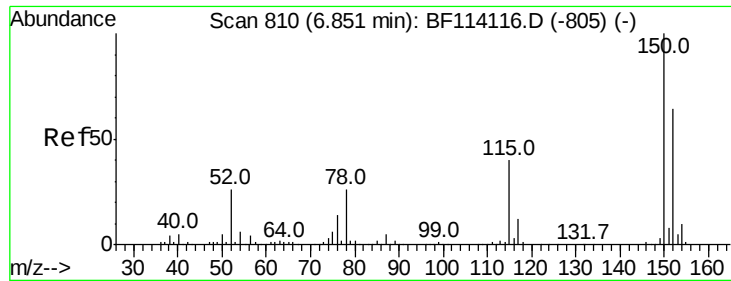
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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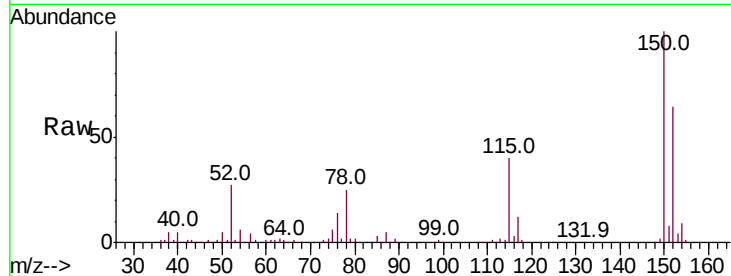


#1

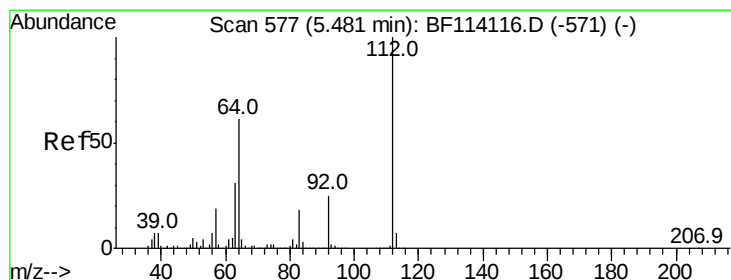
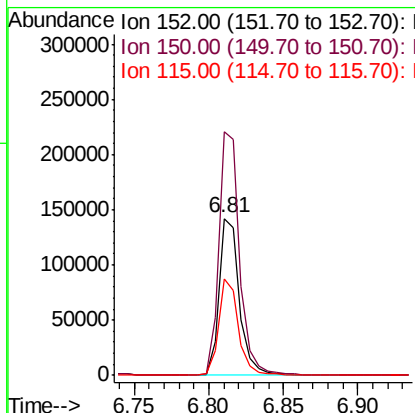
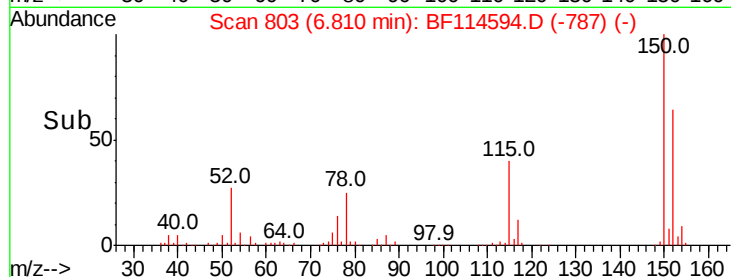
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF114594.D
Acq: 25 May 2019 2:15

Instrument :
BNA_F
ClientSampleId :
COMP-20

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.3	186.5
115	61.7	49.1	73.7



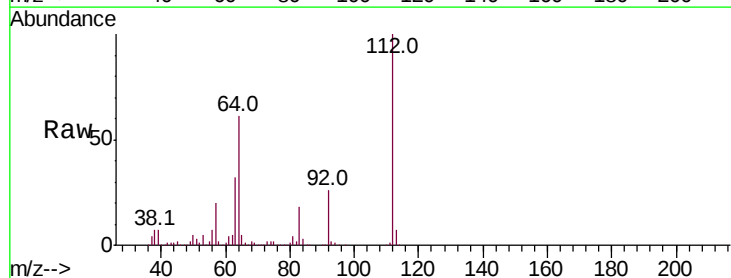
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



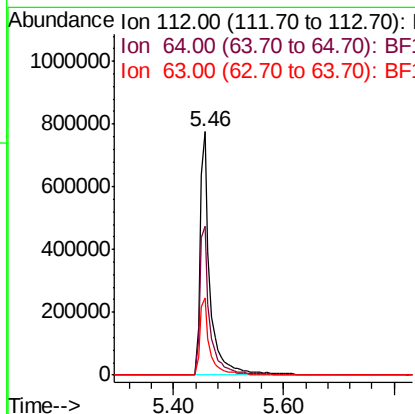
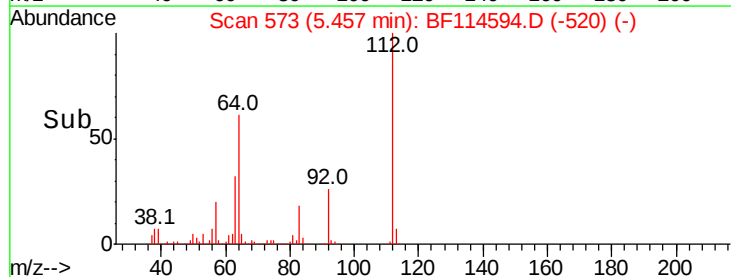
#5

2-Fluorophenol
Concen: 112.637 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF114594.D
Acq: 25 May 2019 2:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	49.0	73.6
63	31.9	24.6	37.0



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: 111.228 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF114594.D

Acq: 25 May 2019 2:15

Instrument :

BNA_F

ClientSampleId :

COMP-20

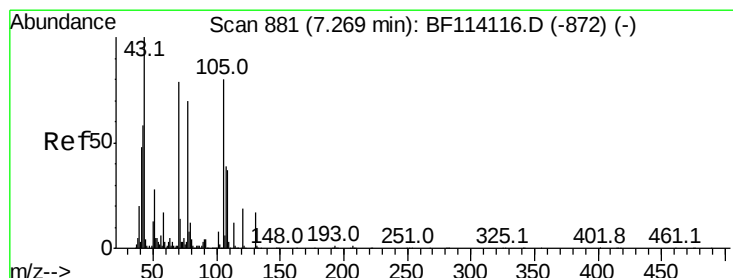
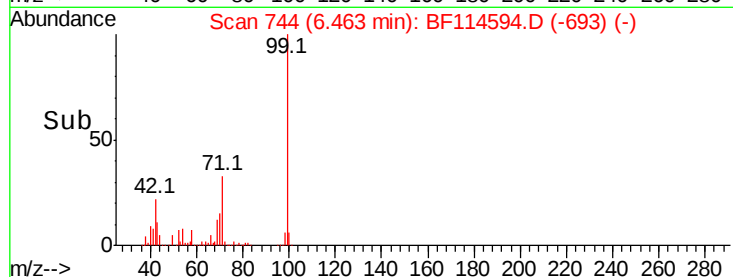
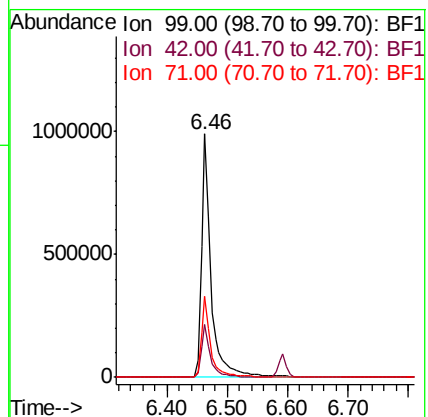
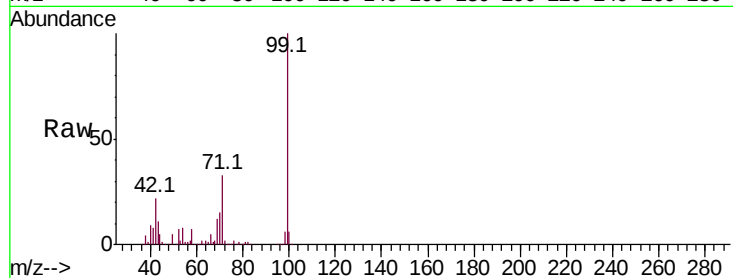
Tot Ion: 99 Resp: 1116274

Ion Ratio Lower Upper

99 100

42 21.6 17.9 26.9

71 33.3 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 17.458 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF114594.D

Acq: 25 May 2019 2:15

Tgt Ion: 70 Resp: 111052

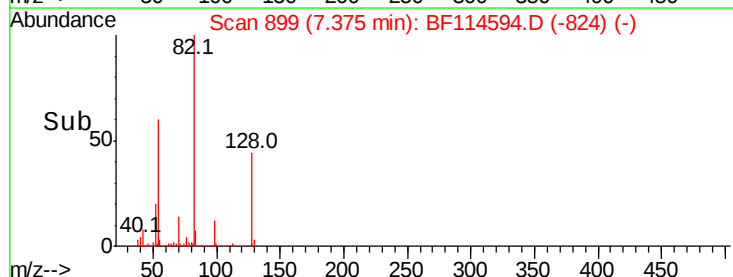
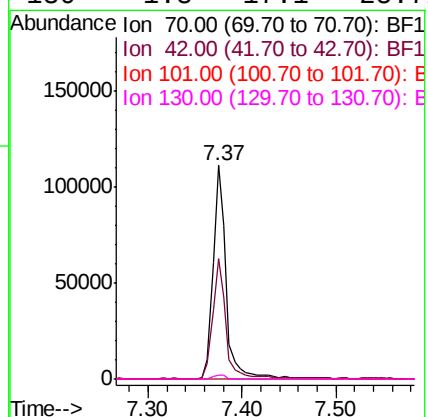
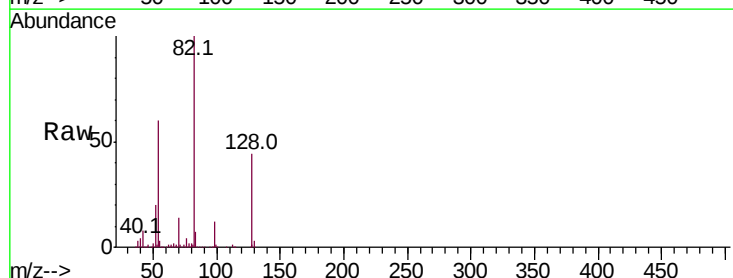
Ion Ratio Lower Upper

70 100

42 56.4 58.6 87.8#

101 0.0 7.8 11.8#

130 1.8 17.1 25.7#

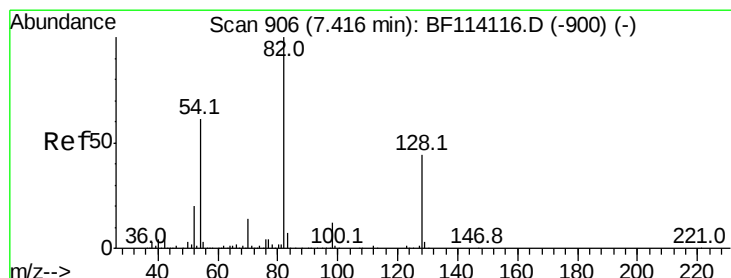
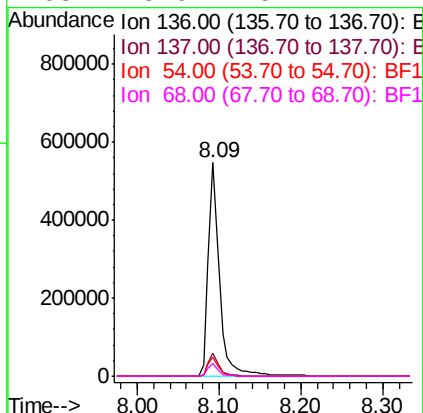
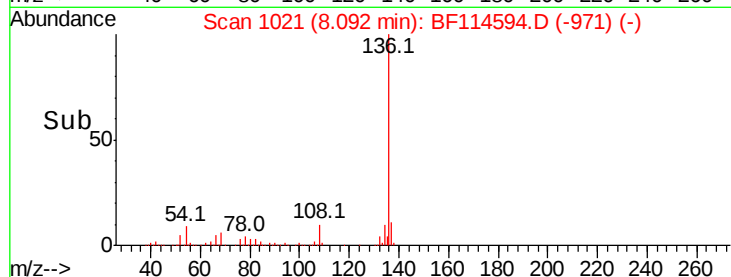
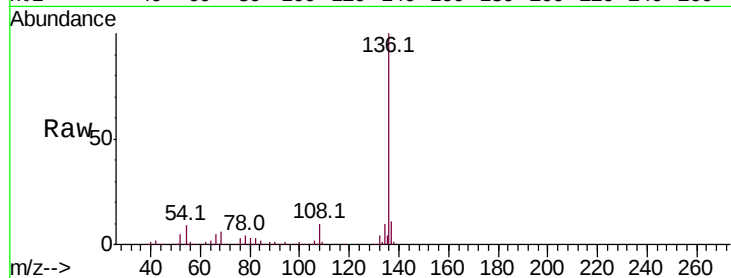




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF114594.D
Acq: 25 May 2019 2:15

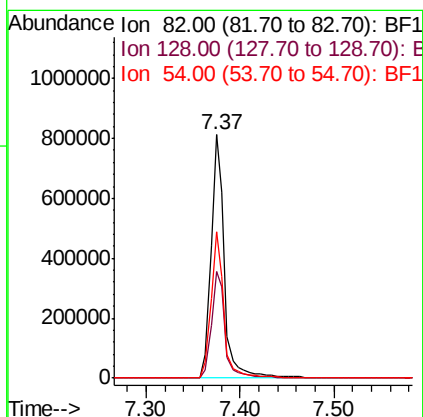
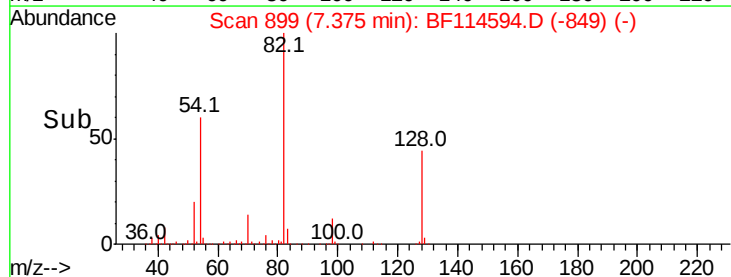
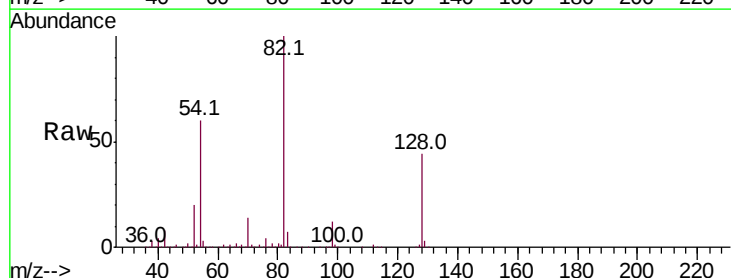
Instrument :
BNA_F
ClientSampleId :
COMP-20

Tot Ion:136	Resp:	522625
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.8 13.2
54	8.7	7.8 11.8
68	5.9	5.1 7.7



#23
Nitrobenzene-d5
Concen: 88.383 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF114594.D
Acq: 25 May 2019 2:15

Tgt Ion: 82	Resp:	823078
Ion Ratio	Lower	Upper
82	100	
128	43.8	35.5 53.3
54	60.2	48.5 72.7





#25

Isophorone

Concen: 47.656 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF114594.D

Acq: 25 May 2019 2:15

Instrument :

BNA_F

ClientSampled :

COMP-20

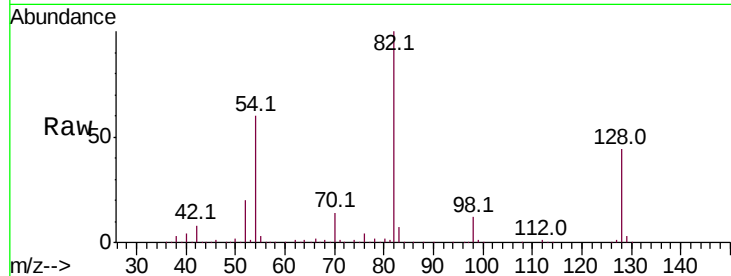
Tot Ion: 82 Resp: 823071

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

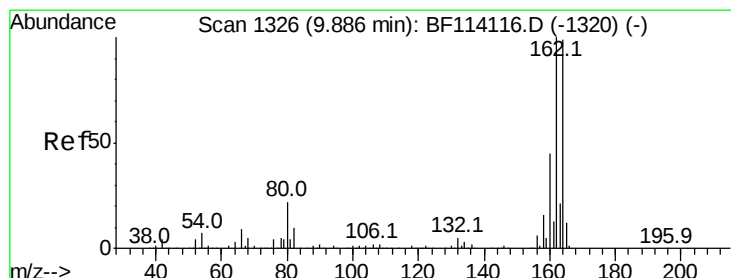
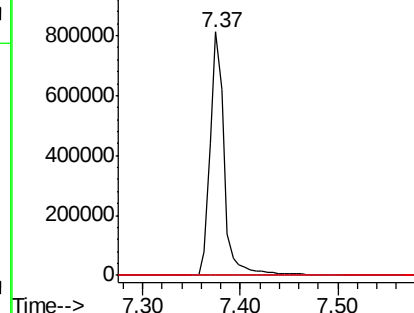
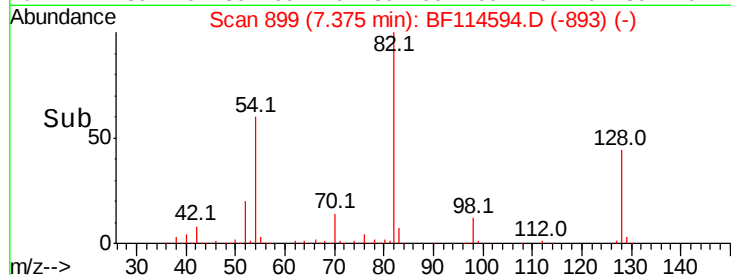
138 0.0 14.8 22.2#



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: BF114594.D

Acq: 25 May 2019 2:15

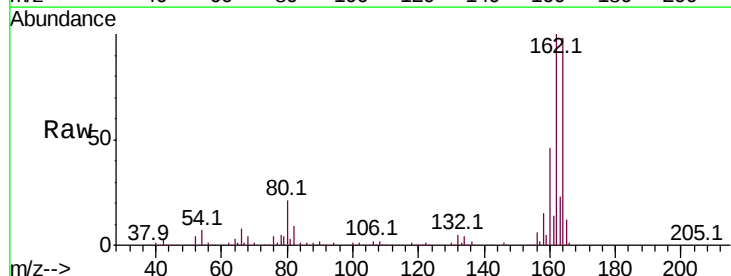
Tgt Ion:164 Resp: 245781

Ion Ratio Lower Upper

164 100

162 102.1 80.6 120.8

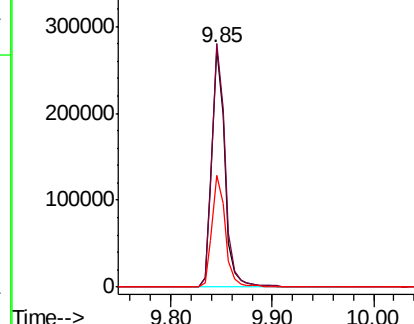
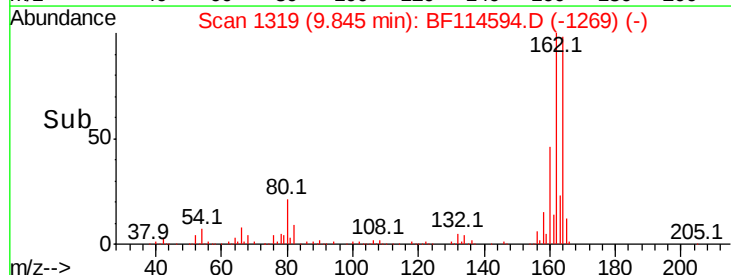
160 46.7 36.5 54.7

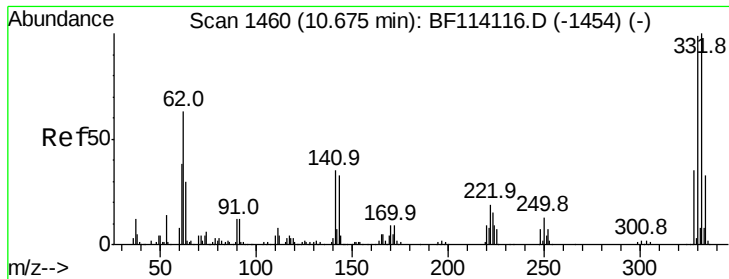


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

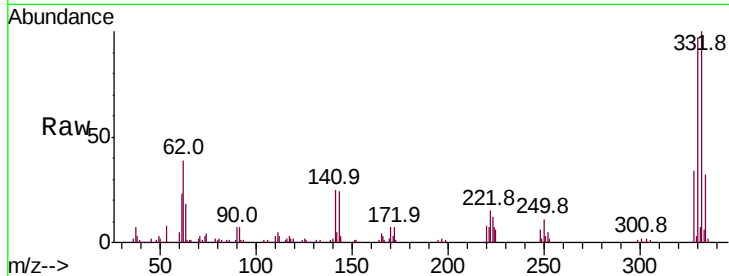




#42
 2,4,6-Tribromophenol
 Concen: 135.211 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF114594.D
 Acq: 25 May 2019 2:15

Instrument :
 BNA_F
 ClientSampleId :
 COMP-20

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.0	81.4	122.2
141	33.2	26.6	40.0

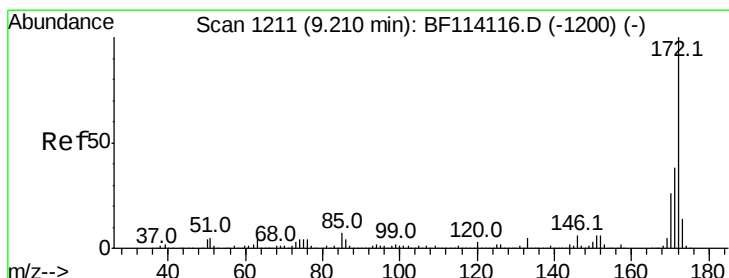
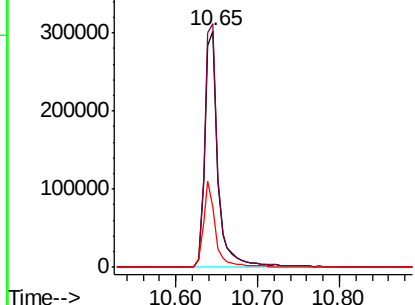
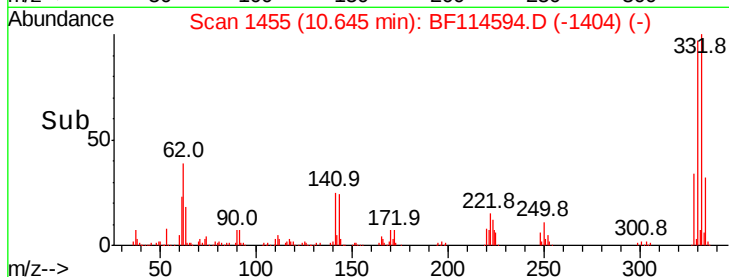


Abundance

Ion 329.80 (329.50 to 330.50): E

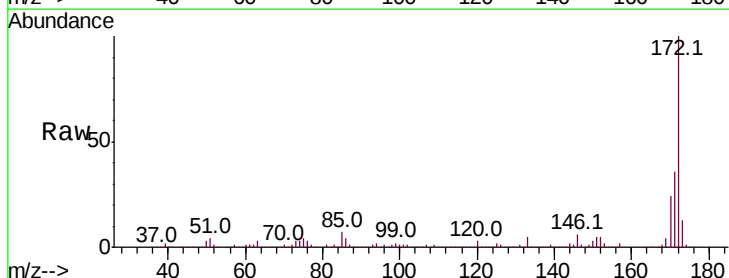
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 89.259 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF114594.D
 Acq: 25 May 2019 2:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.7	46.1
170	24.1	20.5	30.7

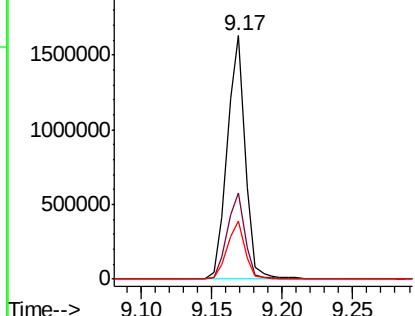
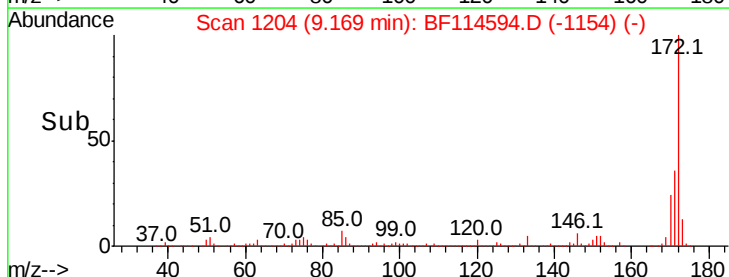


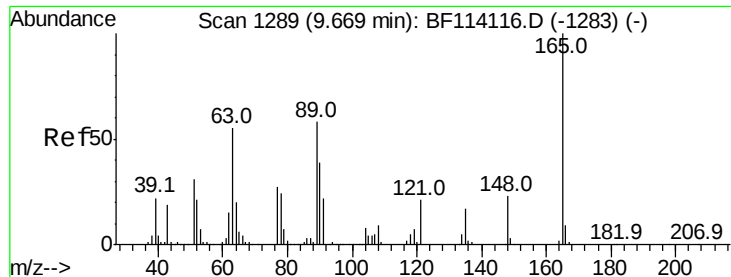
Abundance

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

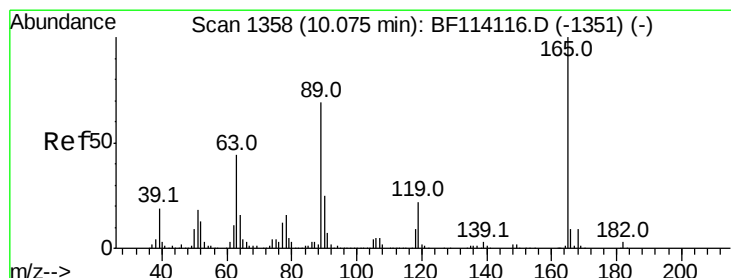
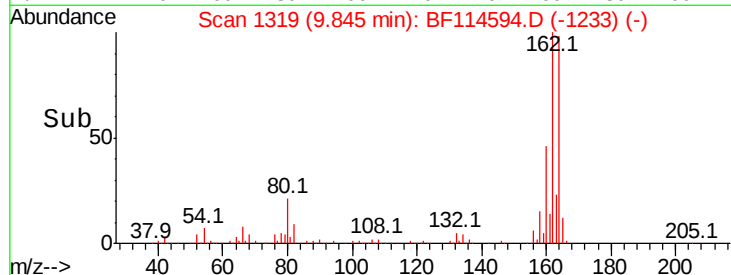
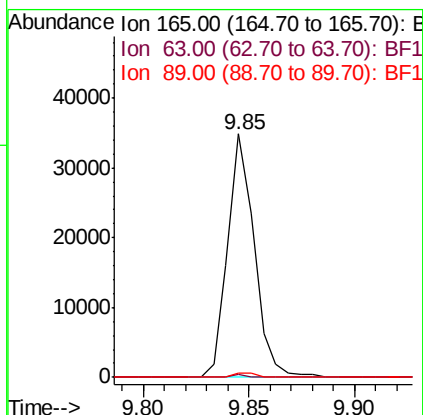
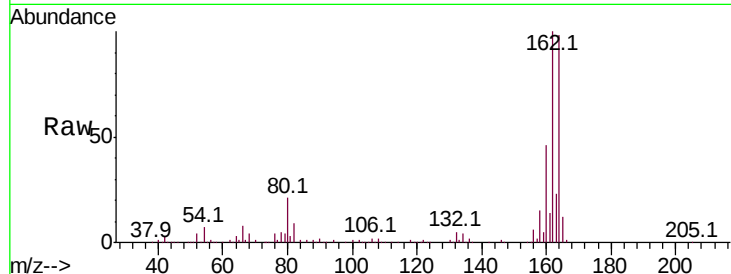




#51
 2,6-Dinitrotoluene
 Concen: 7.585 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF114594.D
 Acq: 25 May 2019 2:15

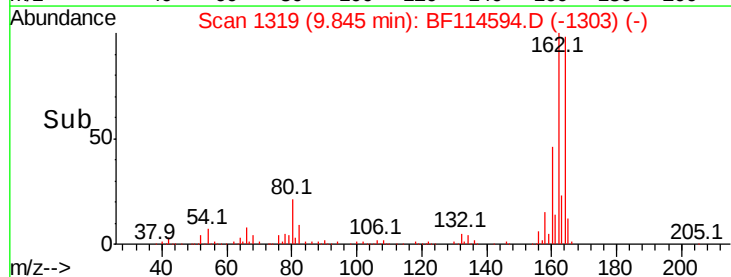
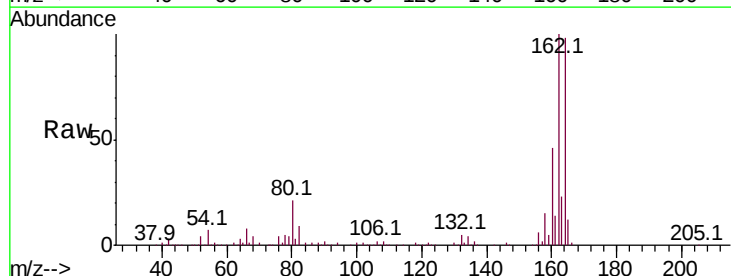
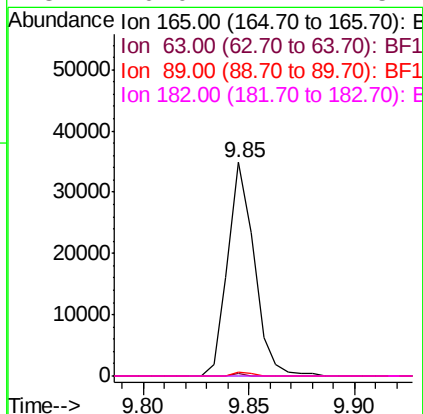
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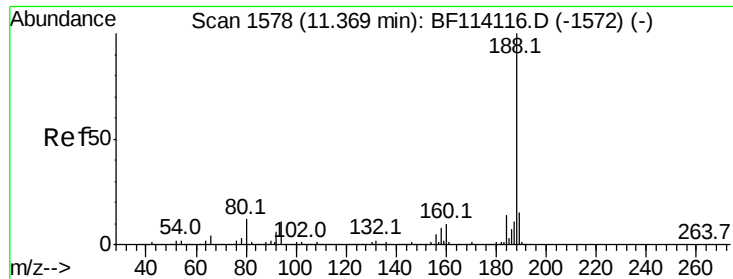
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	50.2	75.4#
89	1.8	46.6	69.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.589 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF114594.D
 Acq: 25 May 2019 2:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	35.5	53.3#
89	1.8	55.2	82.8#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF114594.D

Acq: 25 May 2019 2:15

Instrument :

BNA_F

ClientSampleId :

COMP-20

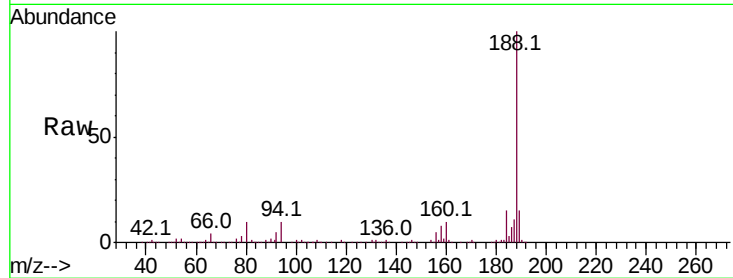
Tot Ion:188 Resp: 512683

Ion Ratio Lower Upper

188 100

94 9.8 8.4 12.6

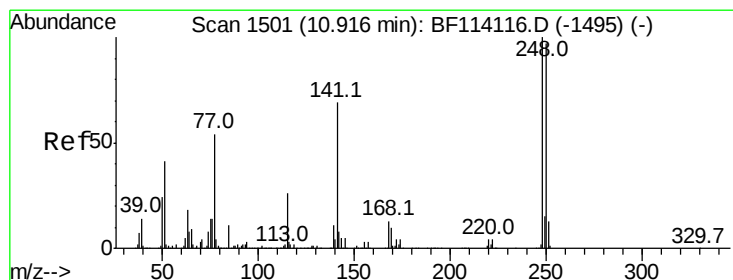
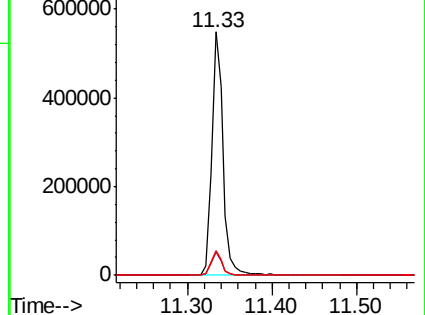
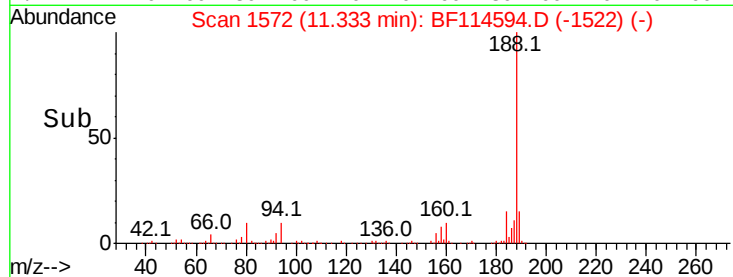
80 10.0 9.2 13.8



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



#67

4-Bromophenyl-phenylether

Concen: 3.825 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF114594.D

Acq: 25 May 2019 2:15

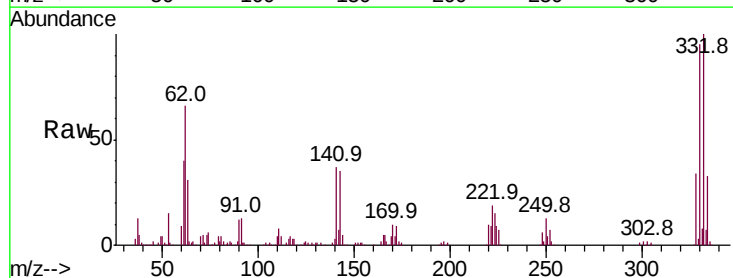
Tgt Ion:248 Resp: 21591

Ion Ratio Lower Upper

248 100

250 209.2 77.4 116.2#

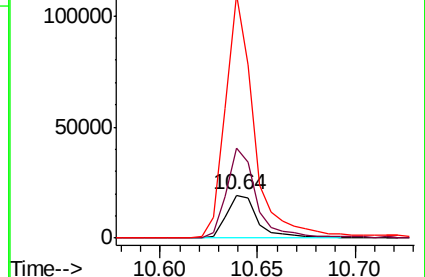
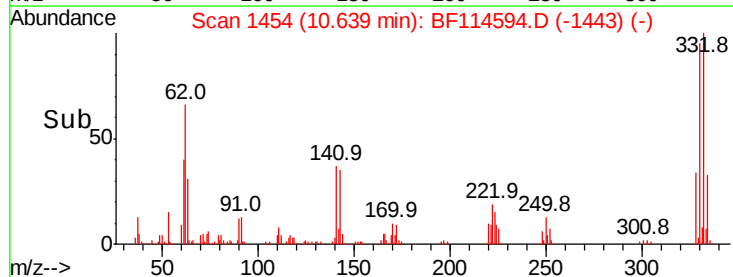
141 569.4 55.6 83.4#

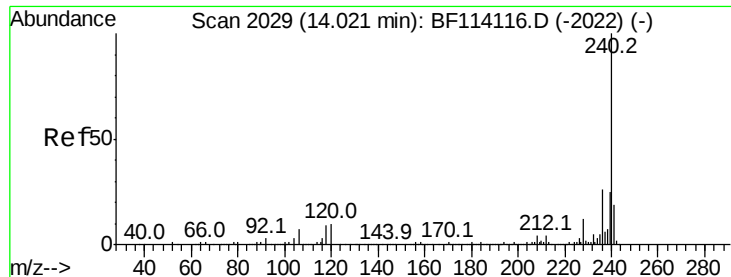


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF114594.D

Acq: 25 May 2019 2:15

Instrument :

BNA_F

ClientSampleId :

COMP-20

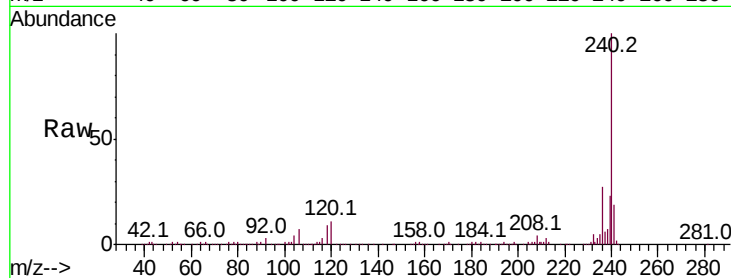
Tot Ion:240 Resp: 341142

Ion Ratio Lower Upper

240 100

120 10.9 8.3 12.5

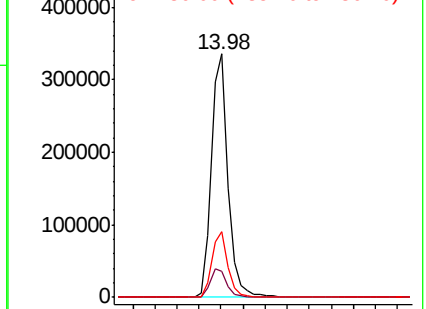
236 26.8 20.8 31.2



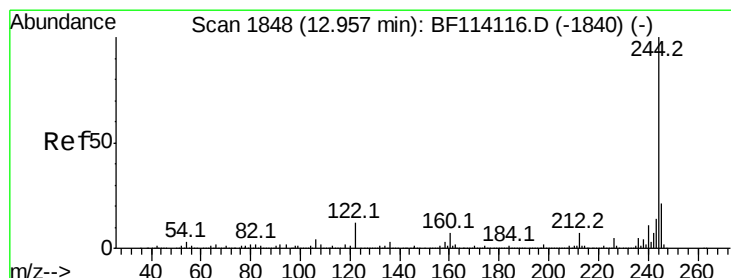
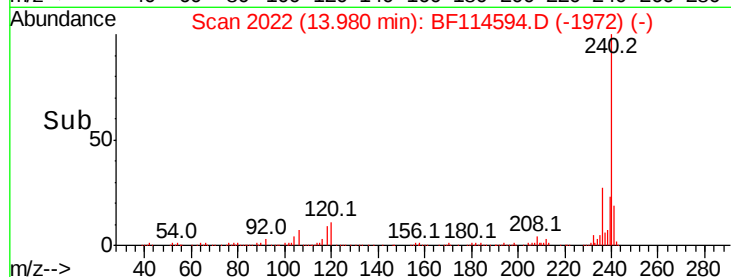
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.90 14.00 14.10



#79

Terphenyl-d14

Concen: 100.342 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BF114594.D

Acq: 25 May 2019 2:15

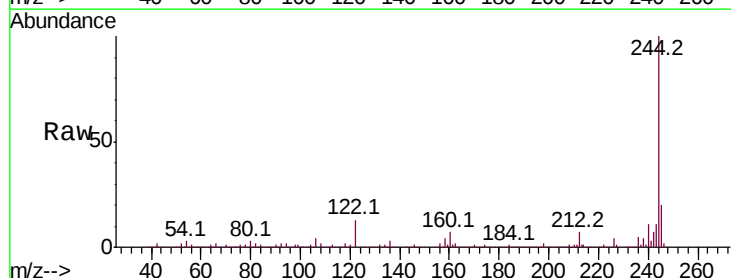
Tgt Ion:244 Resp: 1660536

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

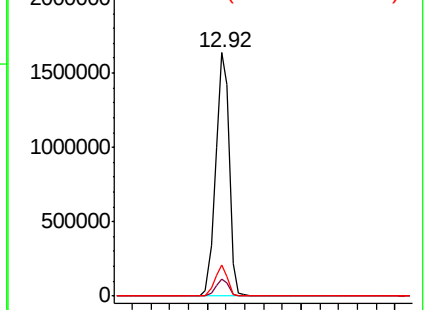
122 13.0 9.4 14.2



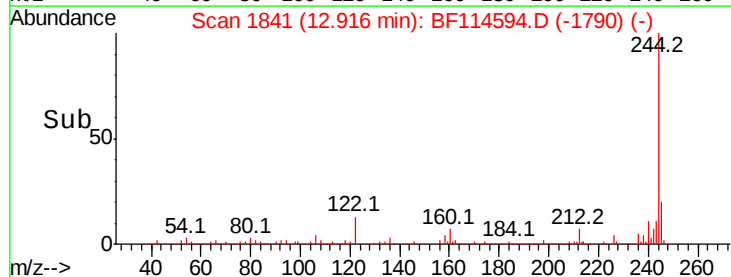
Abundance Ion 244.00 (243.70 to 244.70): E

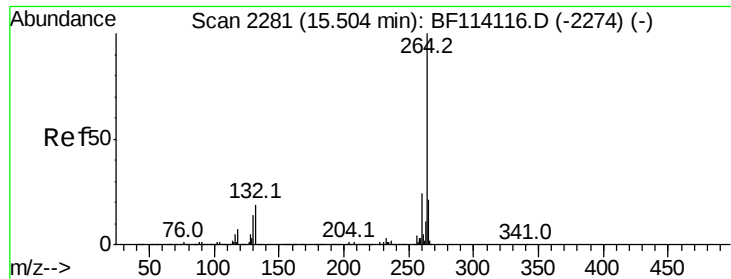
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.90 13.00





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF114594.D
Acq: 25 May 2019 2:15

Instrument :
BNA_F
ClientSampleId :
COMP-20

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.0
265	21.9	16.9	25.3

