

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052519\
 Data File : BF114614.D
 Acq On : 25 May 2019 19:50
 Operator : JU/SJ
 Sample : PB119919BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB119919BL

Quant Time: May 26 23:46:37 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

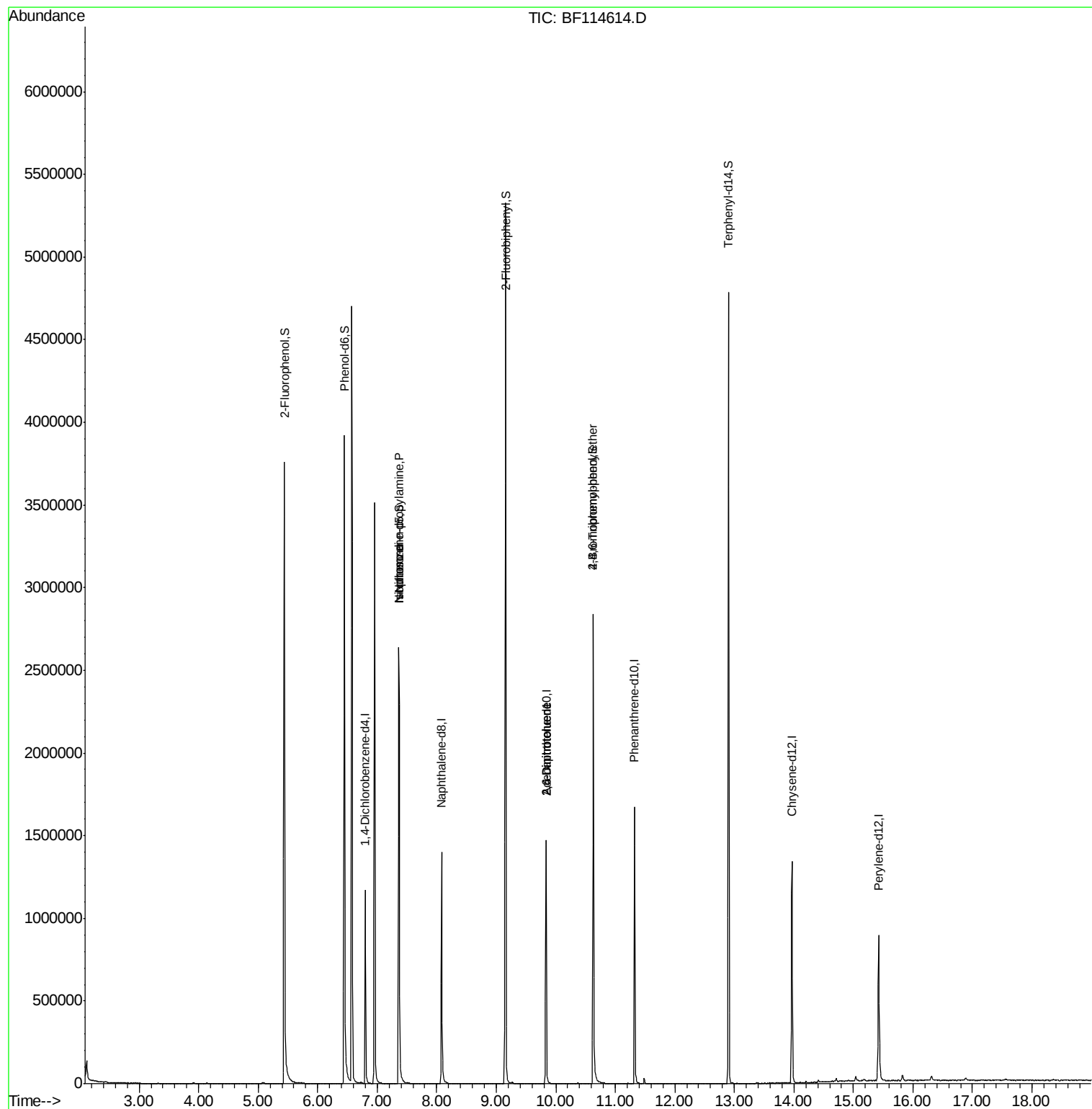
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	180225	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	698994	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	329546	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	667100	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	477558	20.00	ng	-0.02
87) Perylene-d12	15.42	264	459598	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1191413	106.38	ng	0.00
7) Phenol-d6	6.45	99	1551913	117.16	ng	-0.01
23) Nitrobenzene-d5	7.36	82	936888	75.22	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	368491	108.16	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1727520	79.30	ng	-0.02
79) Terphenyl-d14	12.90	244	1686380	72.79	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	125143	14.906	ng	# 75
25) Isophorone	7.36	82	936880	40.558	ng	# 64
51) 2,6-Dinitrotoluene	9.83	165	41076	7.655	ng	# 22
57) 2,4-Dinitrotoluene	9.83	165	41076	5.640	ng	# 25
67) 4-Bromophenyl-phenylether	10.63	248	23476	3.196	ng	# 1

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
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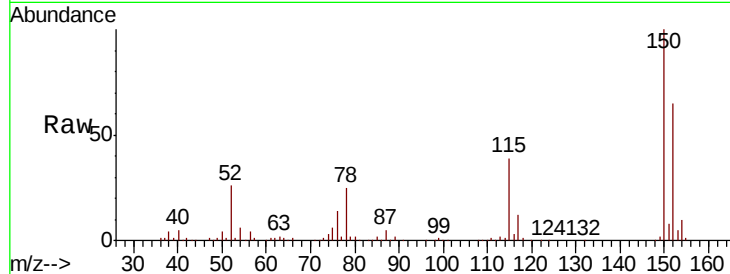


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.02 min
Lab File: BF114614.D
Acq: 25 May 2019 19:50

Instrument :
BNA_F
ClientSampleId :
PB119919BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.3	186.5
115	59.8	49.1	73.7

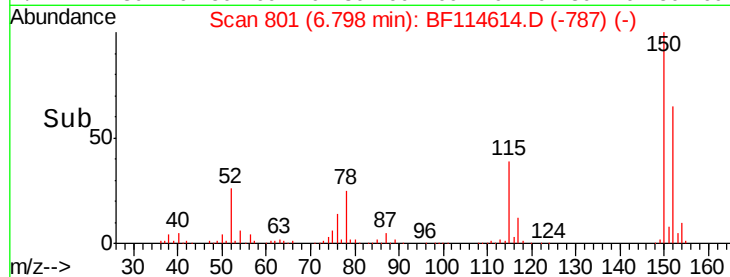
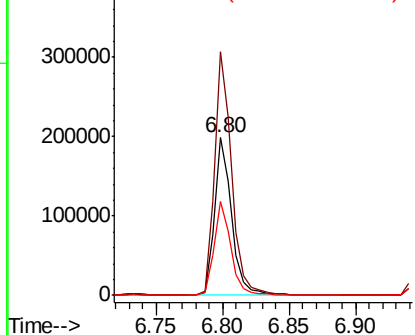


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

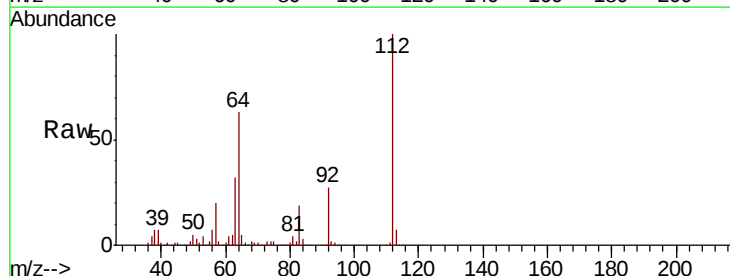
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 106.383 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF114614.D
Acq: 25 May 2019 19:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	49.0	73.6
63	32.0	24.6	37.0

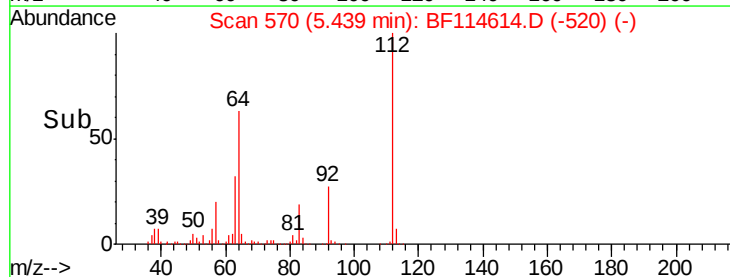
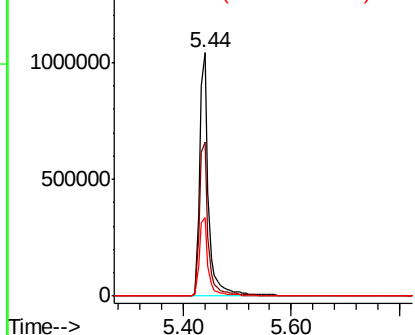


Abundance

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: 117.164 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF114614.D

Acq: 25 May 2019 19:50

Instrument :

BNA_F

ClientSampleId :

PB119919BL

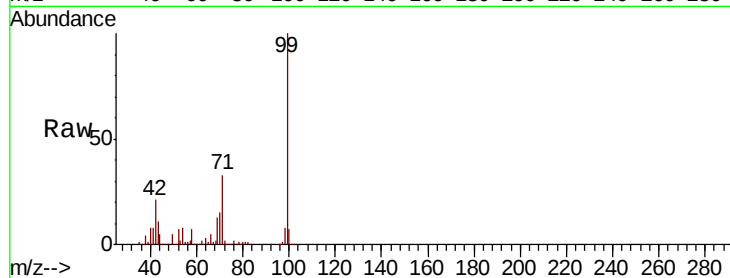
Tot Ion: 99 Resp: 1551913

Ion Ratio Lower Upper

99 100

42 21.4 17.9 26.9

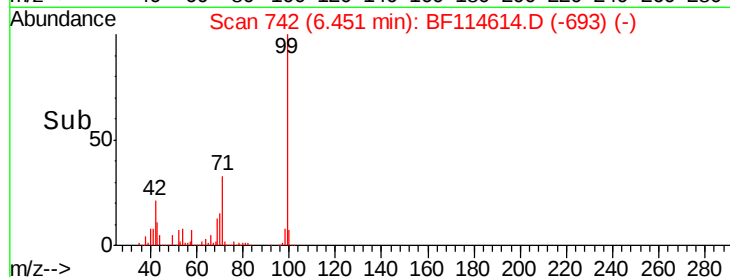
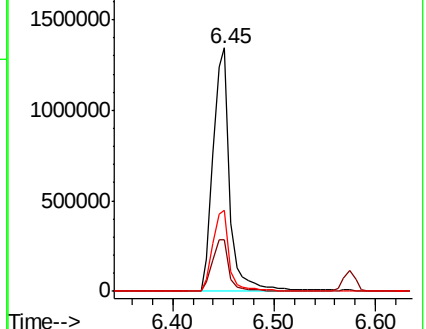
71 33.2 26.2 39.2



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: 14.906 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.13 min

Lab File: BF114614.D

Acq: 25 May 2019 19:50

Tgt Ion: 70 Resp: 125143

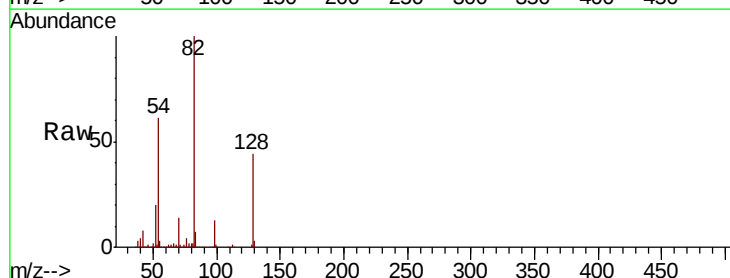
Ion Ratio Lower Upper

70 100

42 56.1 58.6 87.8#

101 0.0 7.8 11.8#

130 1.9 17.1 25.7#

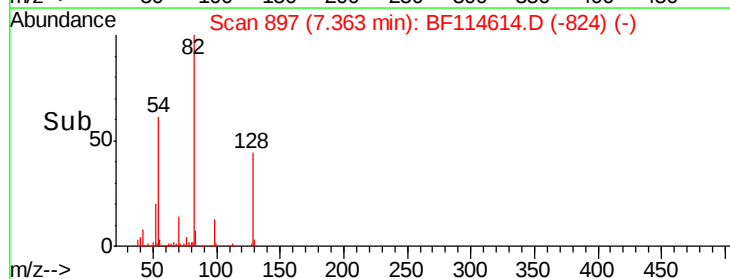
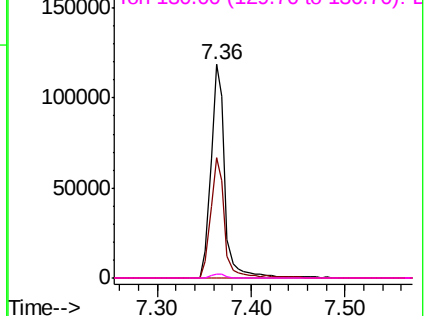


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

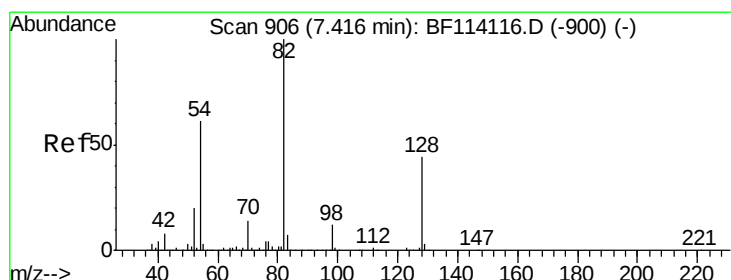
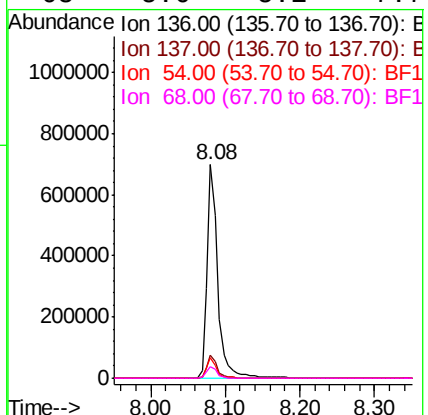
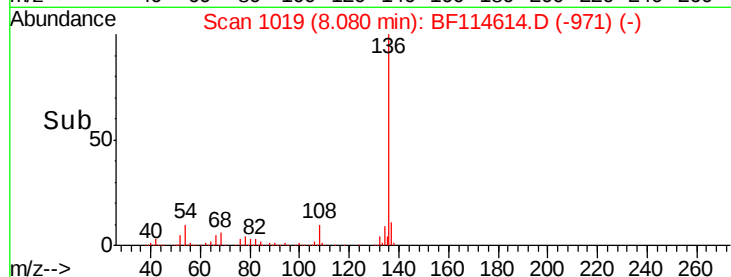
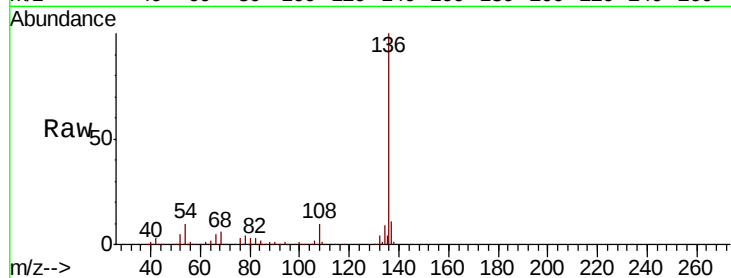




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF114614.D
Acq: 25 May 2019 19:50

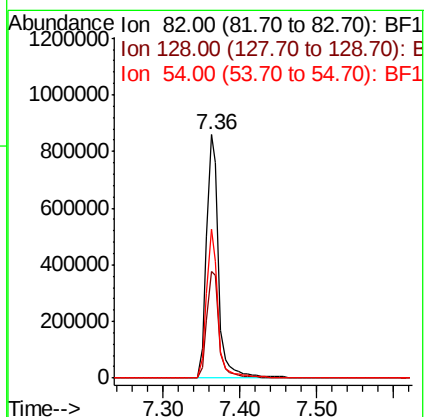
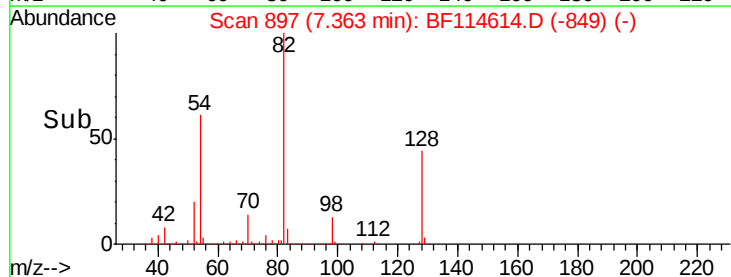
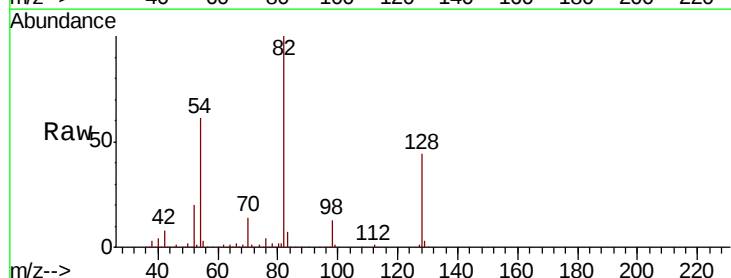
Instrument :
BNA_F
ClientSampleId :
PB119919BL

Tot Ion:136	Resp:	698994	
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	9.8	7.8	11.8
68	5.6	5.1	7.7



#23
Nitrobenzene-d5
Concen: 75.220 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF114614.D
Acq: 25 May 2019 19:50

Tgt Ion: 82	Resp: 936888
Ion Ratio	Lower Upper
82 100	
128 43.6	35.5 53.3
54 61.0	48.5 72.7





#25

Isophorone

Concen: 40.558 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.28 min

Lab File: BF114614.D

Acq: 25 May 2019 19:50

Instrument :

BNA_F

ClientSampleId :

PB119919BL

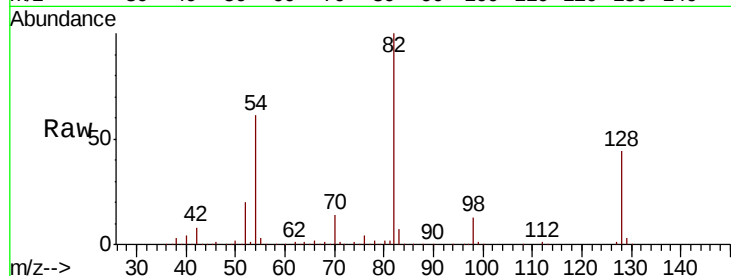
Tot Ion: 82 Resp: 936880

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

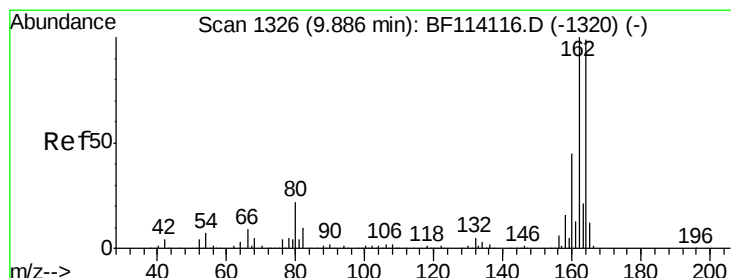
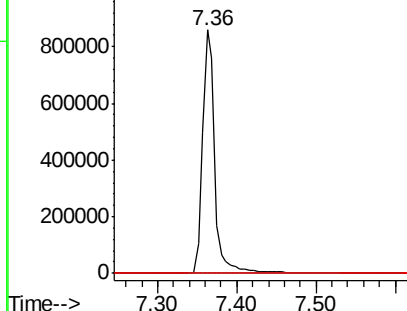
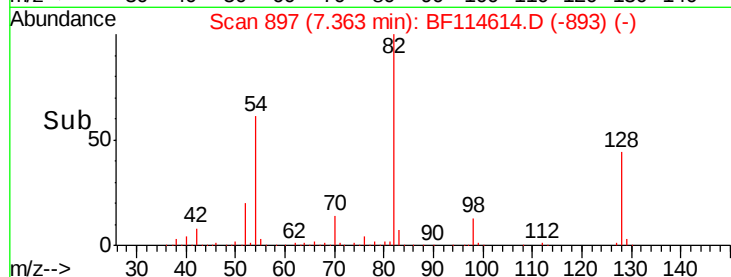
138 0.0 14.8 22.2#



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: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF114614.D

Acq: 25 May 2019 19:50

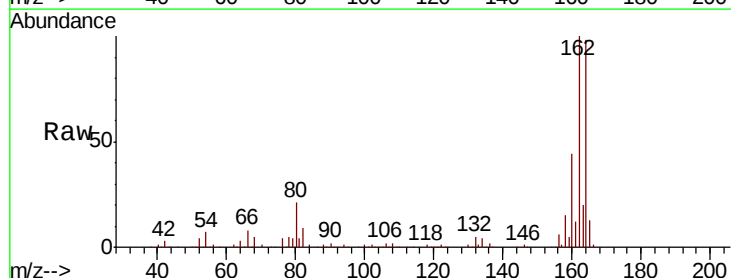
Tgt Ion: 164 Resp: 329546

Ion Ratio Lower Upper

164 100

162 102.4 80.6 120.8

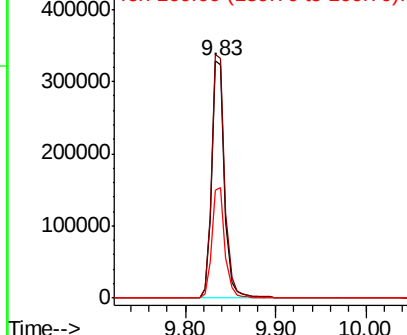
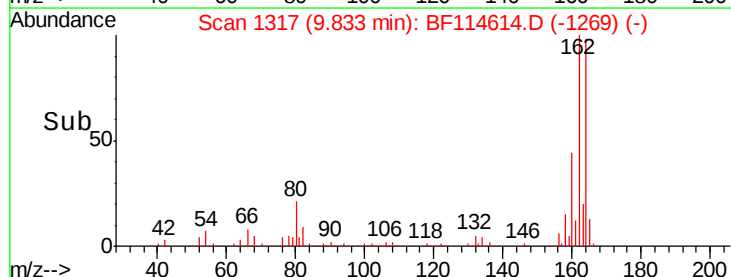
160 45.5 36.5 54.7

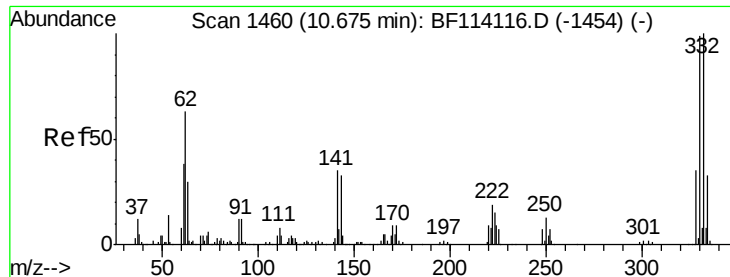


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

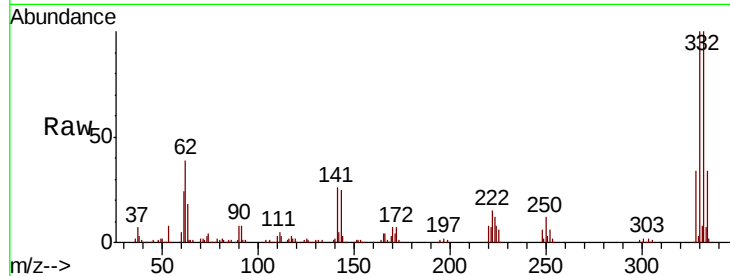




#42
 2,4,6-Tribromophenol
 Concen: 108.159 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF114614.D
 Acq: 25 May 2019 19:50

Instrument :
 BNA_F
 ClientSampleId :
 PB119919BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.0	81.4	122.2
141	33.6	26.6	40.0

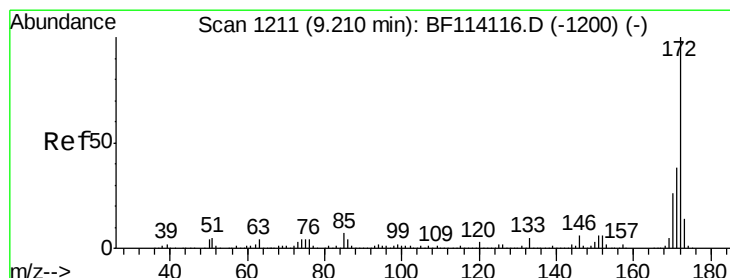
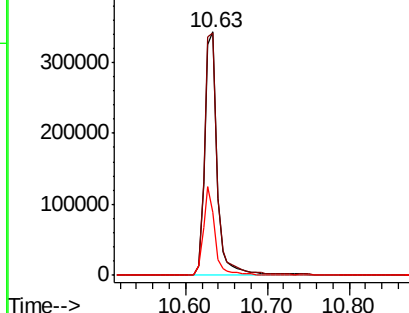
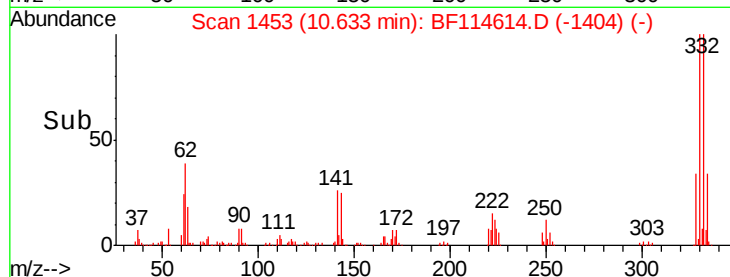


Abundance

Ion 329.80 (329.50 to 330.50): E

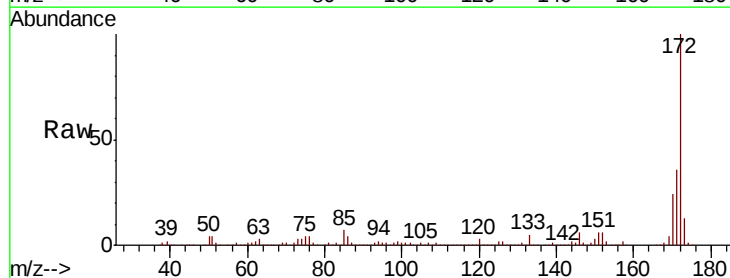
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 79.296 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: BF114614.D
 Acq: 25 May 2019 19:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.7	46.1
170	24.1	20.5	30.7

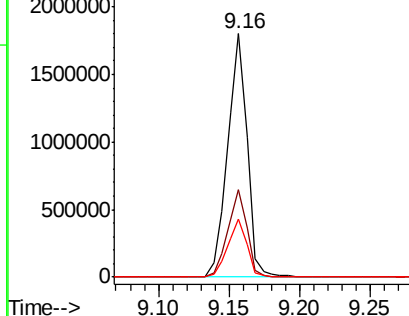
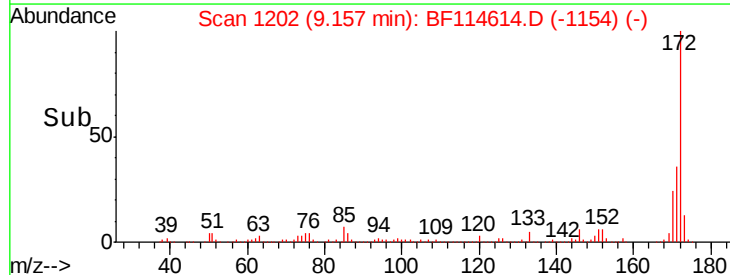


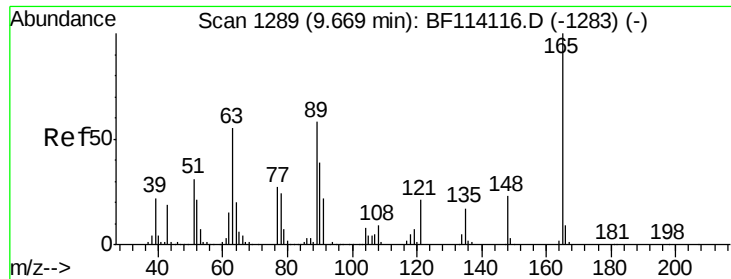
Abundance

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

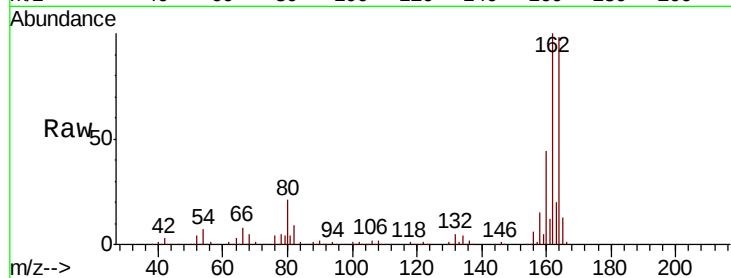




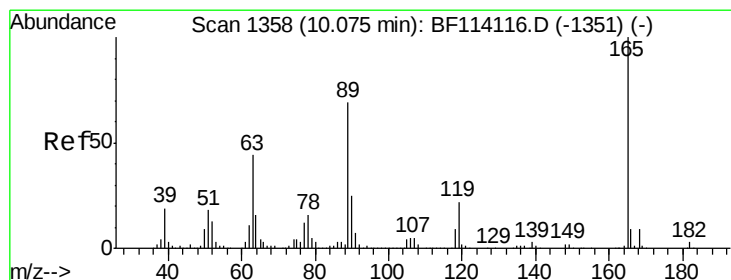
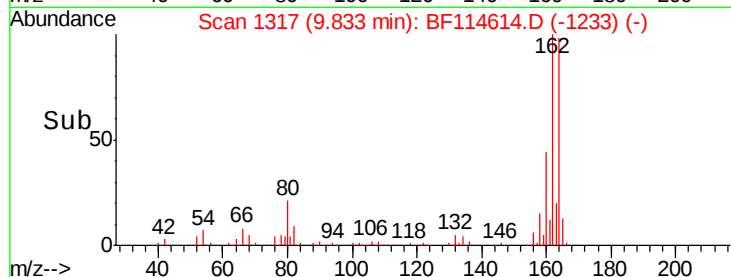
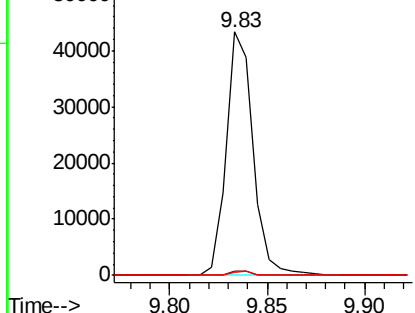
#51
 2,6-Dinitrotoluene
 Concen: 7.655 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.19 min
 Lab File: BF114614.D
 Acq: 25 May 2019 19:50

Instrument :
 BNA_F
 ClientSampleId :
 PB119919BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	50.2	75.4#
89	1.2	46.6	69.8#

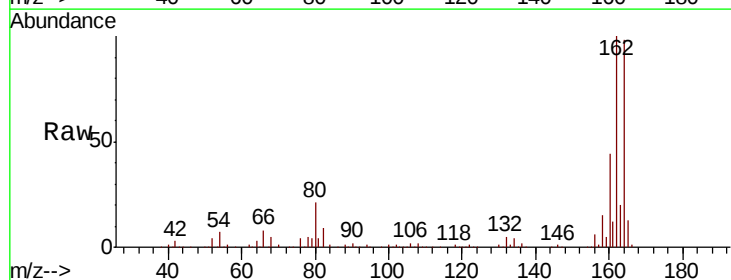


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

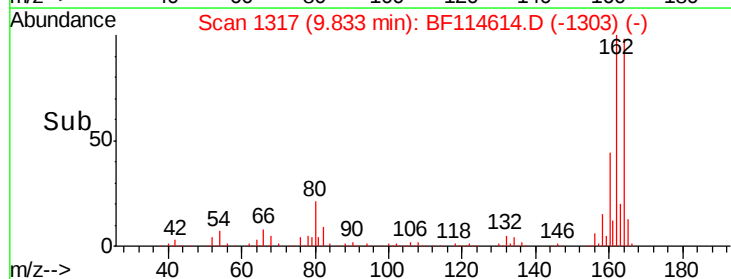
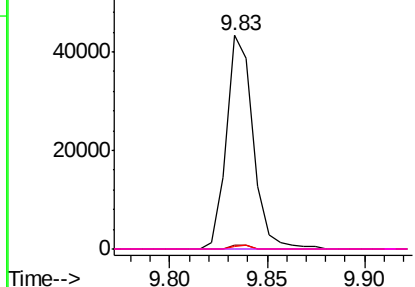


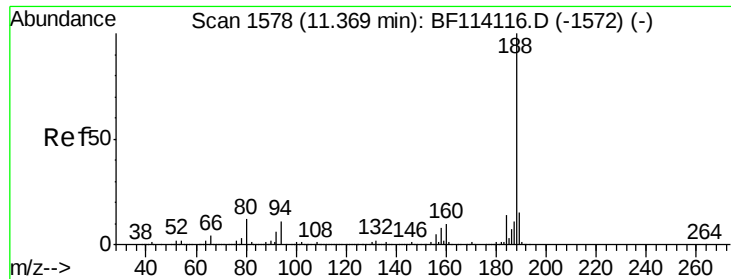
#57
 2,4-Dinitrotoluene
 Concen: 5.640 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.22 min
 Lab File: BF114614.D
 Acq: 25 May 2019 19:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	35.5	53.3#
89	1.2	55.2	82.8#
182	0.0	2.2	3.2#



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

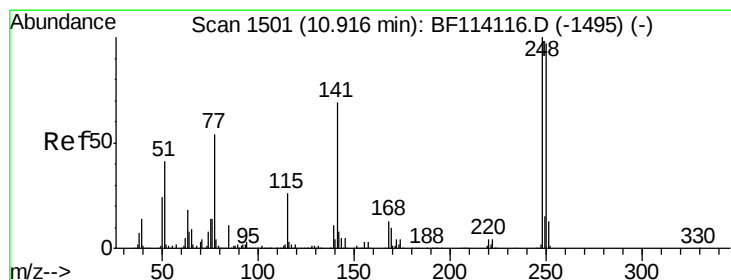
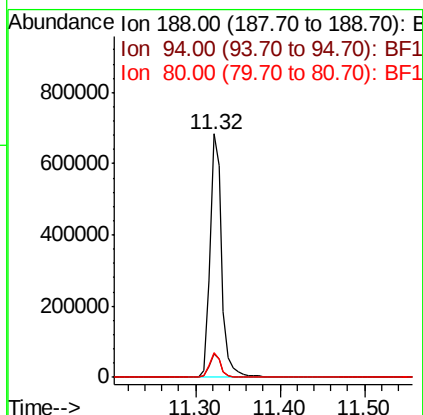
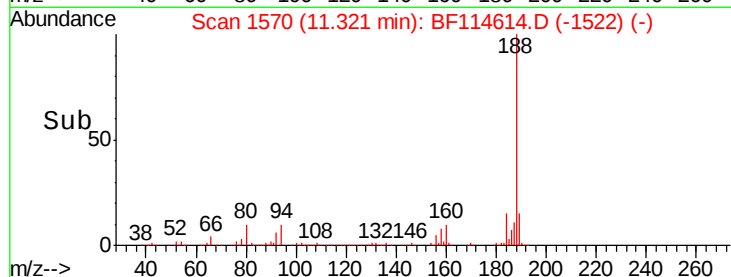
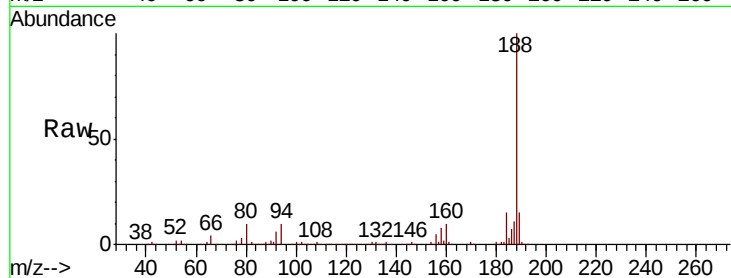




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF114614.D
Acq: 25 May 2019 19:50

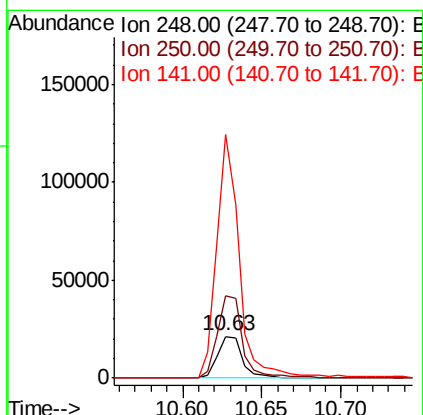
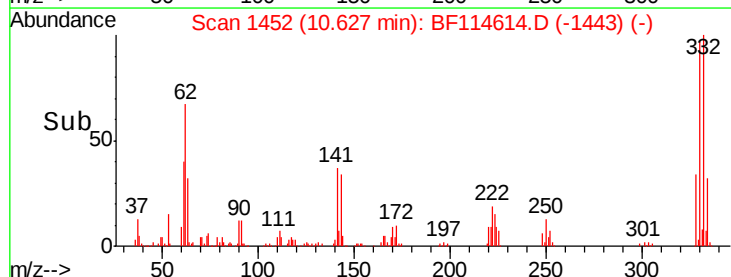
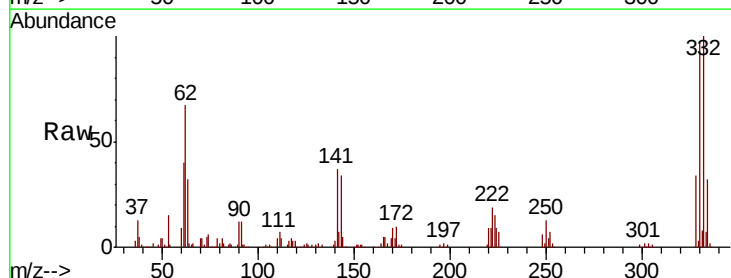
Instrument :
BNA_F
ClientSampleId :
PB119919BL

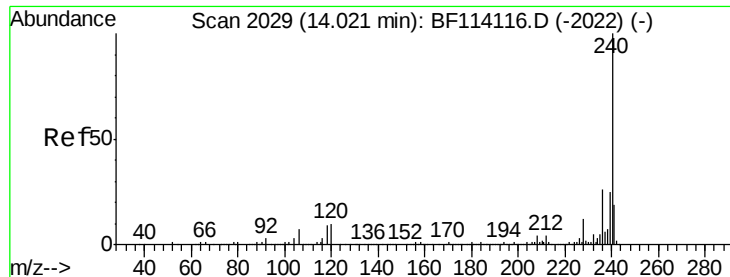
Tot Ion:188 Resp: 667100
Ion Ratio Lower Upper
188 100
94 9.7 8.4 12.6
80 10.3 9.2 13.8



#67
4-Bromophenyl-phenylether
Concen: 3.196 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.25 min
Lab File: BF114614.D
Acq: 25 May 2019 19:50

Tgt Ion:248 Resp: 23476
Ion Ratio Lower Upper
248 100
250 198.3 77.4 116.2#
141 583.3 55.6 83.4#

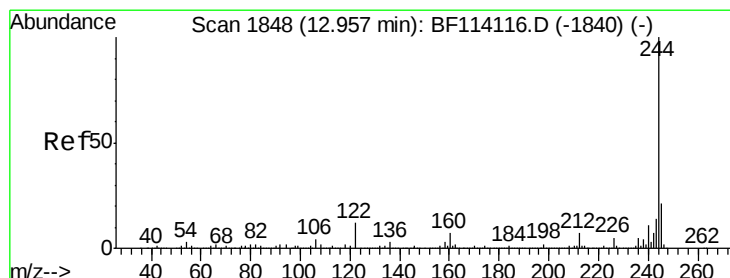
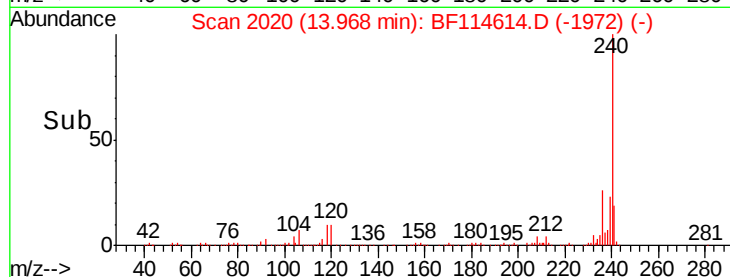
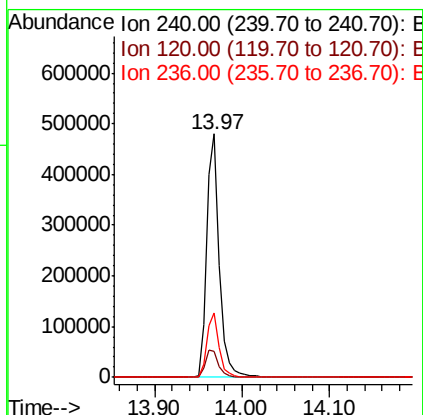
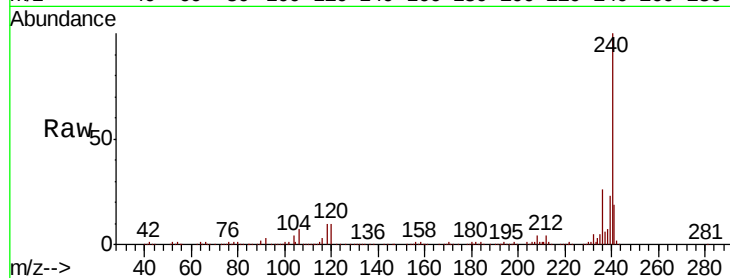




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.02 min
 Lab File: BF114614.D
 Acq: 25 May 2019 19:50

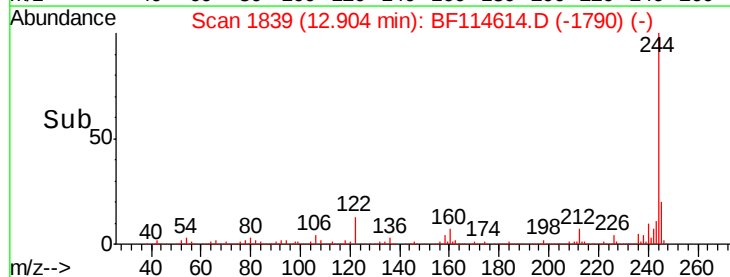
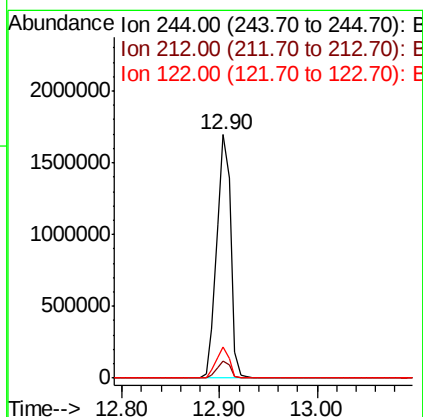
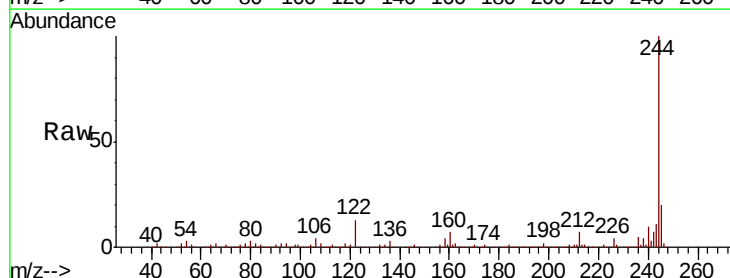
Instrument :
 BNA_F
 ClientSampleId :
 PB119919BL

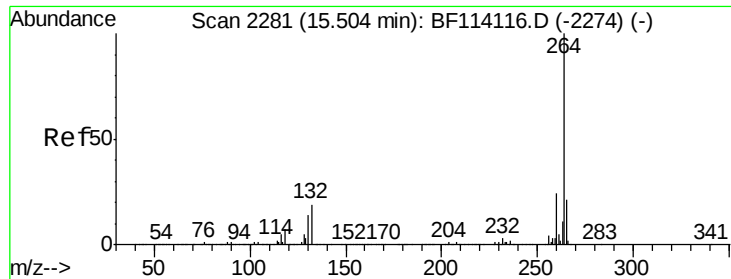
Tot Ion:240 Resp: 477558
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.3 12.5
 236 26.5 20.8 31.2



#79
 Terphenyl-d14
 Concen: 72.794 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF114614.D
 Acq: 25 May 2019 19:50

Tgt Ion:244 Resp: 1686380
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 12.9 9.4 14.2





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.03 min
 Lab File: BF114614.D
 Acq: 25 May 2019 19:50

Instrument :
 BNA_F
 ClientSampleId :
 PB119919BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	21.7	16.9	25.3

