

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116151.D
 Acq On : 10 Aug 2019 16:20
 Operator : HP/JU
 Sample : K4152-26
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 00:56:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

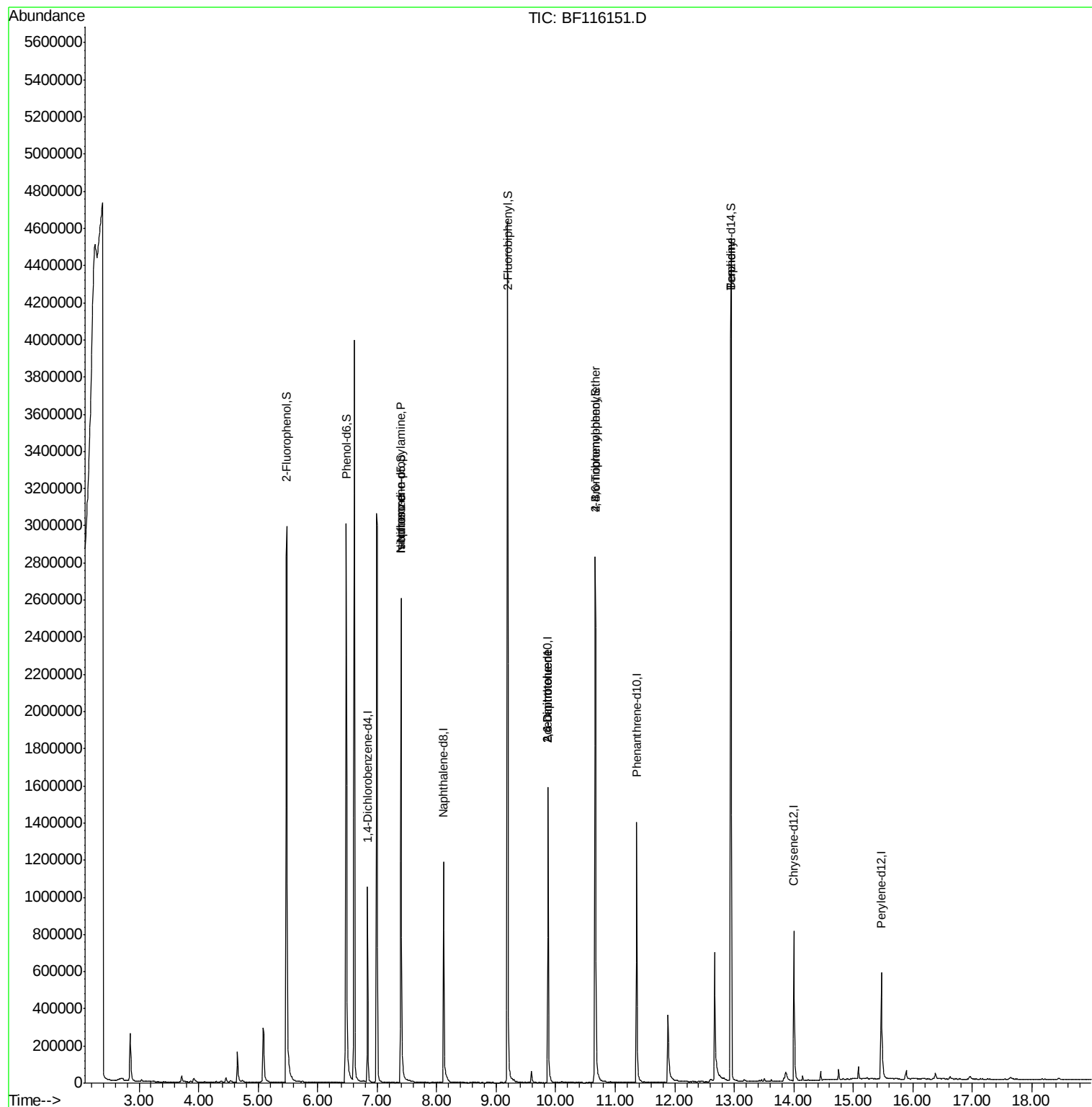
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	160397	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	633396	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	347509	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	584486	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	324432	20.00	ng	0.00
87) Perylene-d12	15.47	264	336737	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1061966	110.84	ng	0.01
7) Phenol-d6	6.48	99	1257864	104.05	ng	0.00
23) Nitrobenzene-d5	7.40	82	1010045	92.05	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	450919	133.84	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1669820	90.00	ng	-0.01
79) Terphenyl-d14	12.95	244	1715706	111.43	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	132843	17.734	ng	# 80
25) Isophorone	7.40	82	1012189	48.241	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	44478	8.650	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	44478	6.497	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	27005	4.316	ng	# 1
77) Benzidine	12.95	184	22935	2.092	ng	# 94

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

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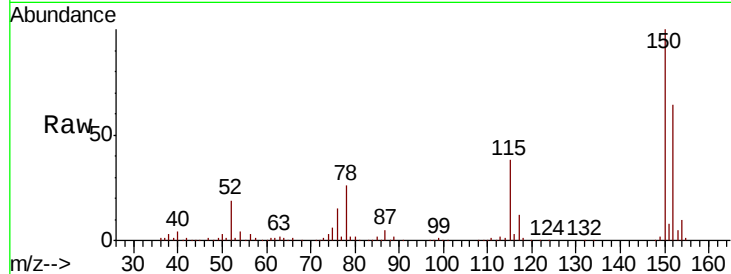


#1

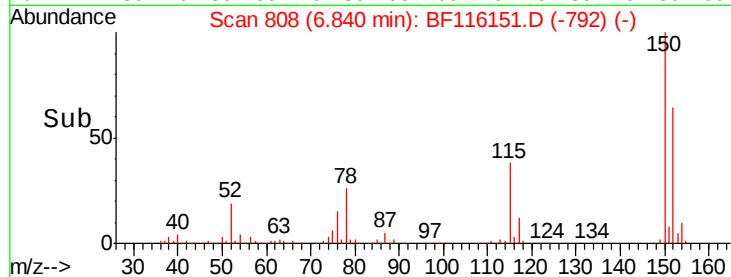
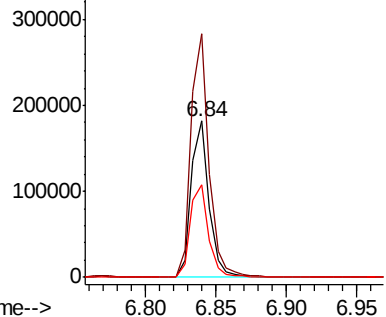
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116151.D
Acq: 10 Aug 2019 16:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 160397
Ion Ratio Lower Upper
152 100
150 155.7 126.2 189.2
115 59.5 49.9 74.9



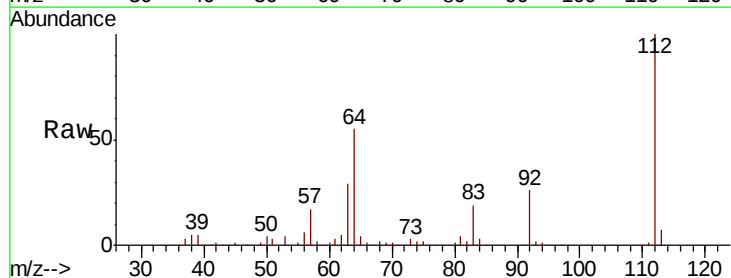
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



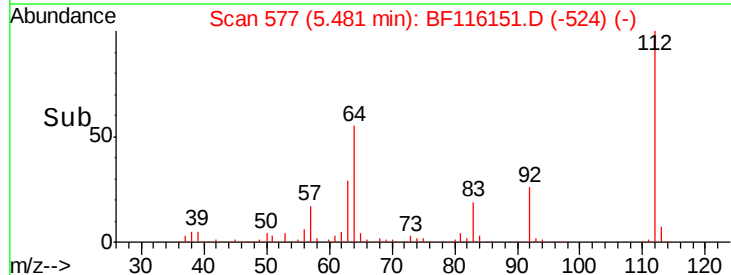
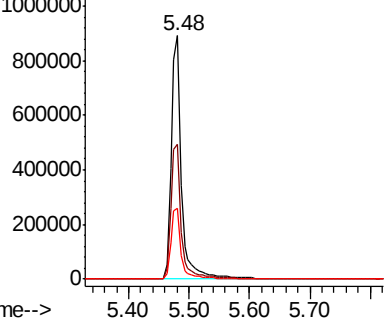
#5

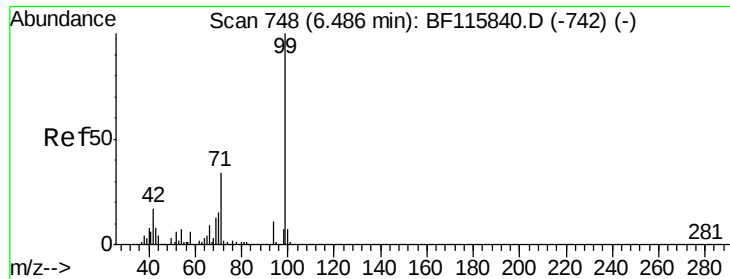
2-Fluorophenol
Concen: 110.837 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF116151.D
Acq: 10 Aug 2019 16:20

Tgt Ion:112 Resp: 1061966
Ion Ratio Lower Upper
112 100
64 55.5 45.4 68.2
63 29.0 23.7 35.5



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: 104.055 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116151.D

Acq: 10 Aug 2019 16:20

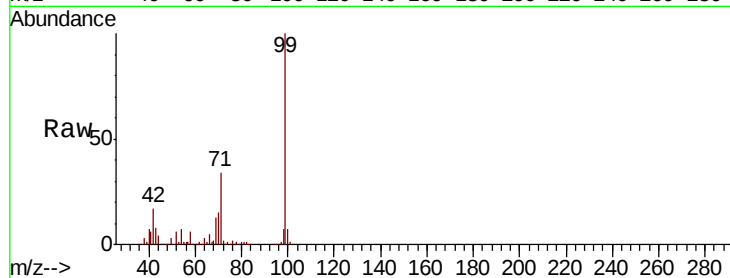
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1257864

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.8	20.8
71	34.5	27.3	40.9

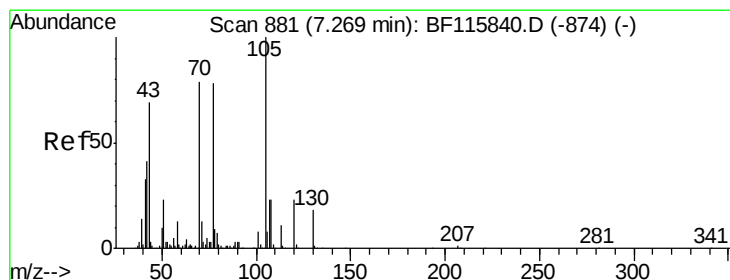
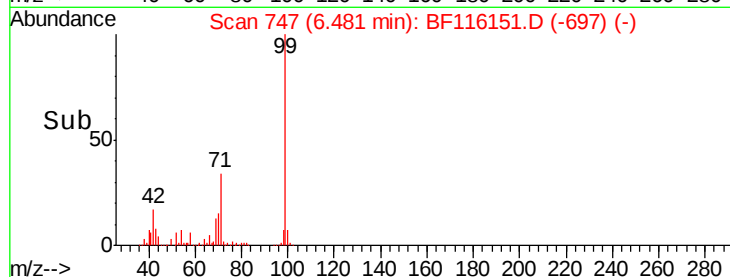
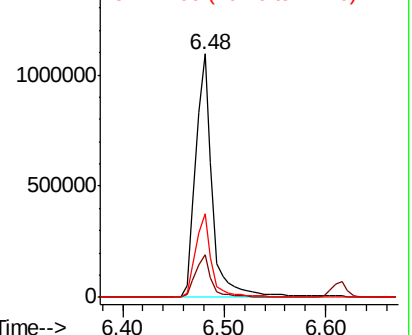


Abundance

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: 17.734 ng

RT: 7.40 min Scan# 904

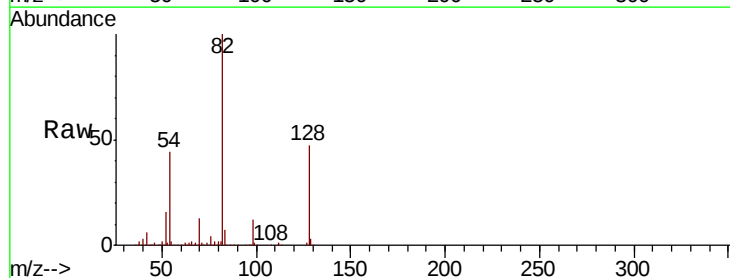
Delta R.T. 0.14 min

Lab File: BF116151.D

Acq: 10 Aug 2019 16:20

Tgt Ion: 70 Resp: 132843

Ion	Ratio	Lower	Upper
70	100		
42	43.8	40.9	61.3
101	0.0	7.9	11.9#
130	2.2	16.9	25.3#



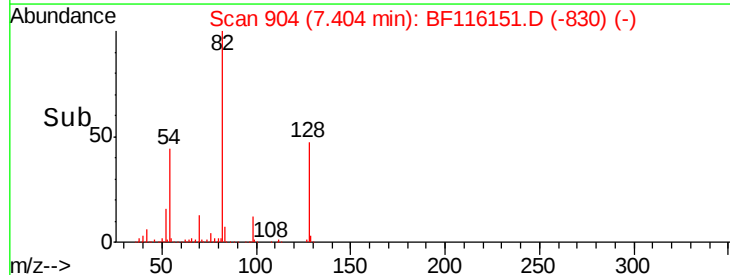
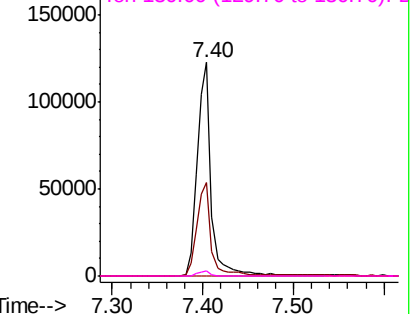
Abundance

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: BF116151.D

Acq: 10 Aug 2019 16:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 633396

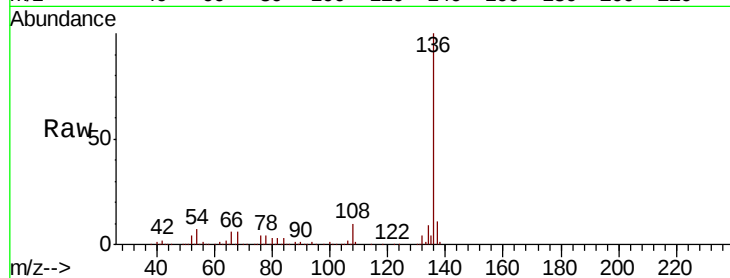
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 7.2 5.8 8.6

68 6.3 5.2 7.8

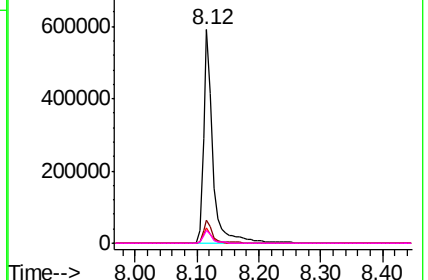
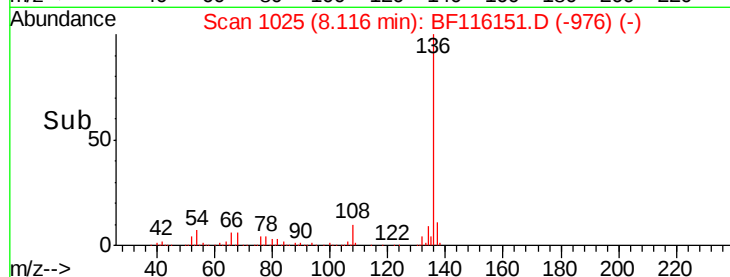


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.048 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116151.D

Acq: 10 Aug 2019 16:20

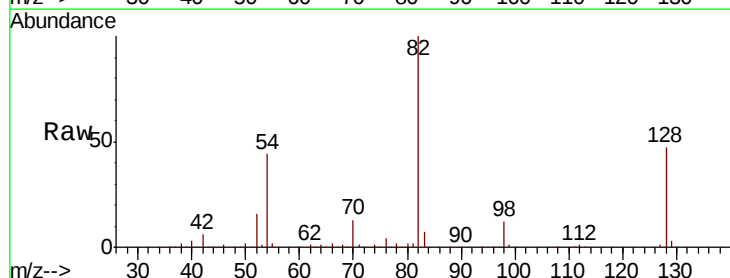
Tgt Ion: 82 Resp: 1010045

Ion Ratio Lower Upper

82 100

128 46.6 36.5 54.7

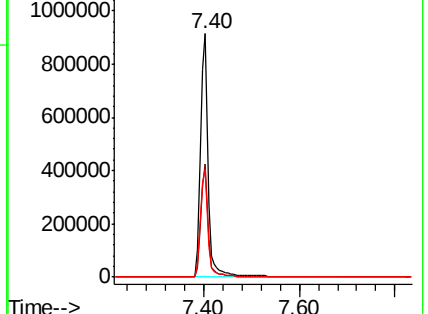
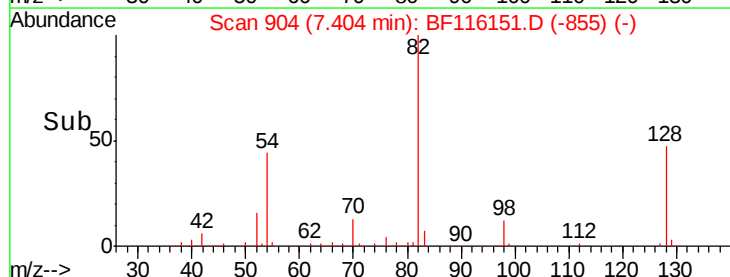
54 44.5 36.0 54.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.241 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116151.D

Acq: 10 Aug 2019 16:20

Instrument :

BNA_F

ClientSampleId :

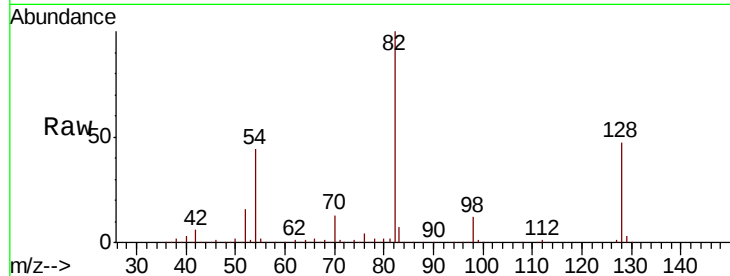
Tot Ion: 82 Resp: 1012189

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

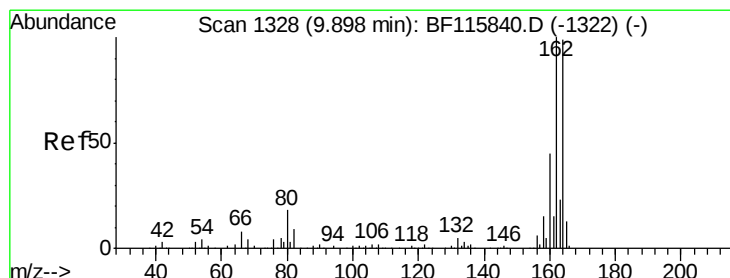
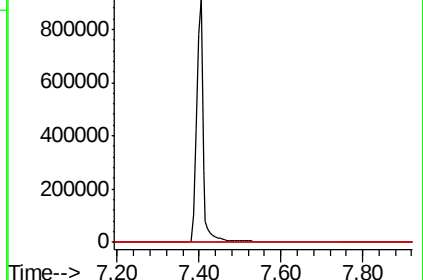
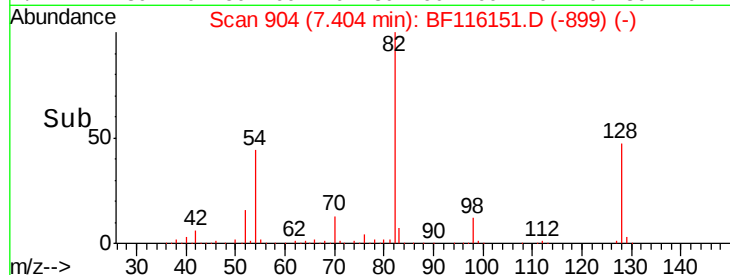
138 0.0 14.5 21.7#



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: BF116151.D

Acq: 10 Aug 2019 16:20

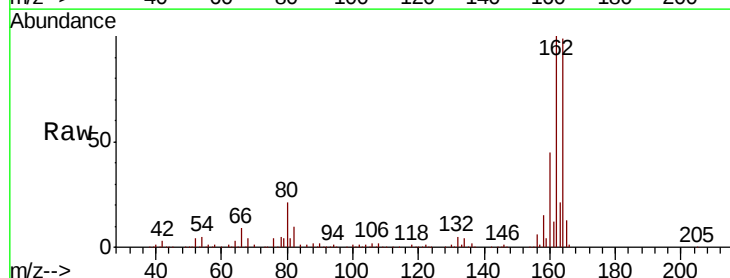
Tgt Ion:164 Resp: 347509

Ion Ratio Lower Upper

164 100

162 101.0 82.6 124.0

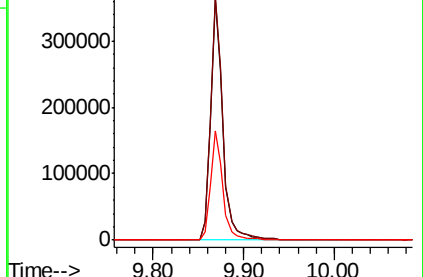
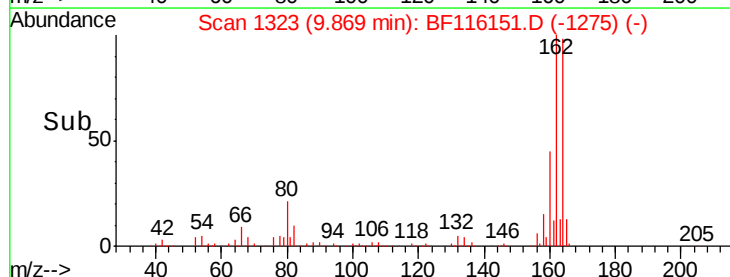
160 45.1 37.6 56.4



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

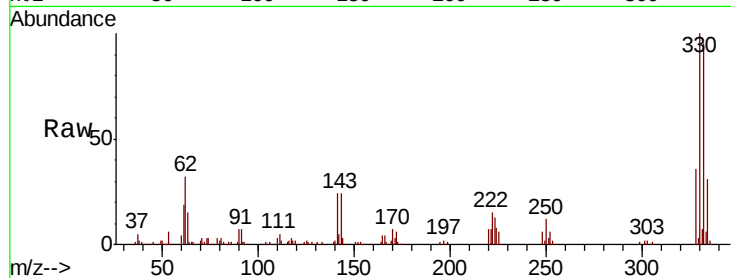




#42
 2,4,6-Tribromophenol
 Concen: 133.836 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116151.D
 Acq: 10 Aug 2019 16:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.8	115.2
141	31.6	26.3	39.5

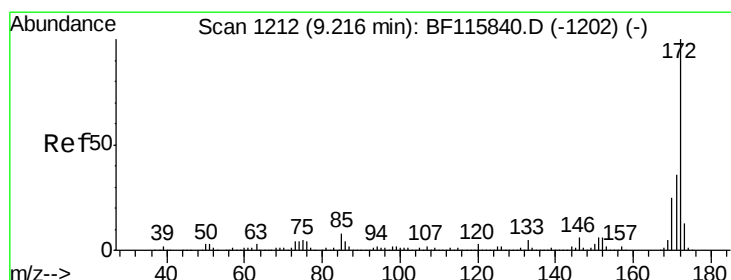
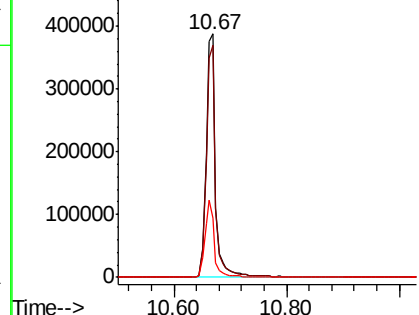
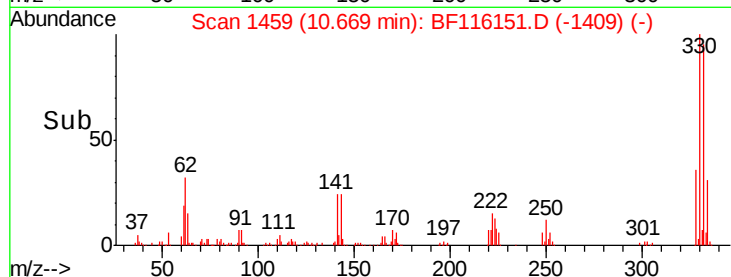


Abundance

Ion 329.80 (329.50 to 330.50): E

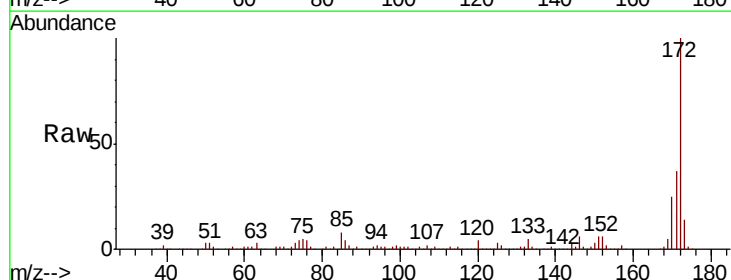
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 90.003 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116151.D
 Acq: 10 Aug 2019 16:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	25.4	20.1	30.1

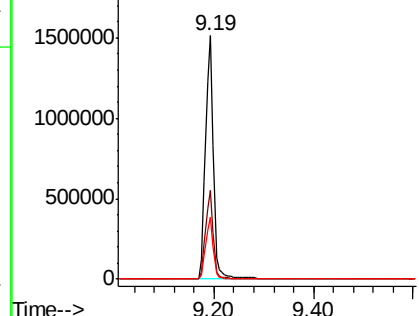
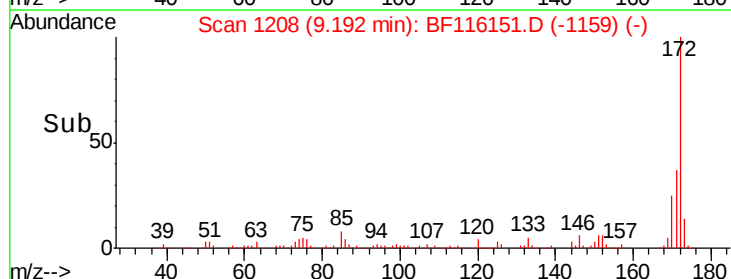


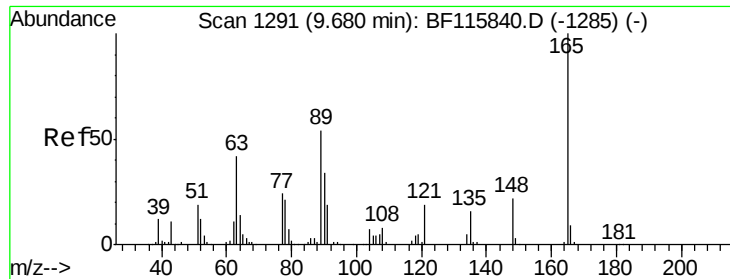
Abundance

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

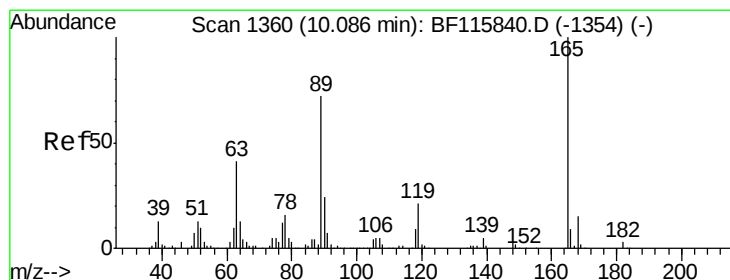
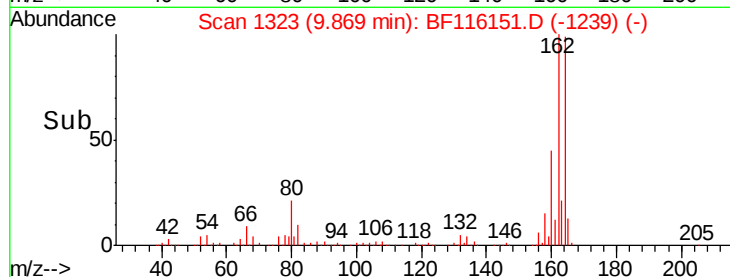
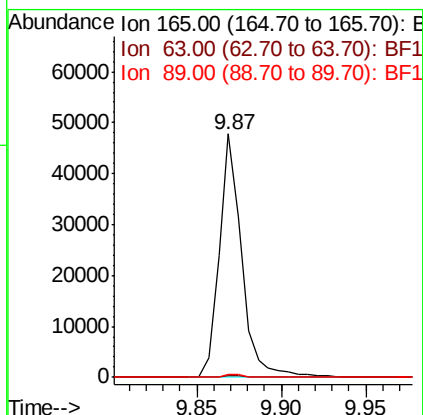
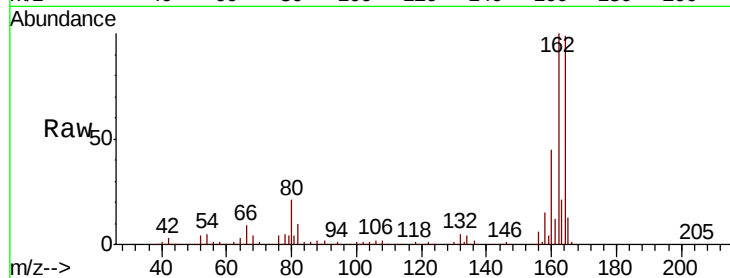




#51
 2,6-Dinitrotoluene
 Concen: 8.650 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116151.D
 Acq: 10 Aug 2019 16:20

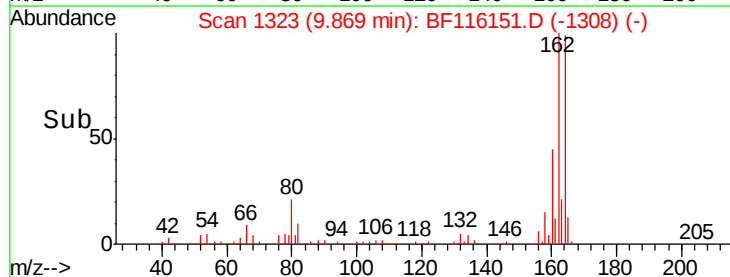
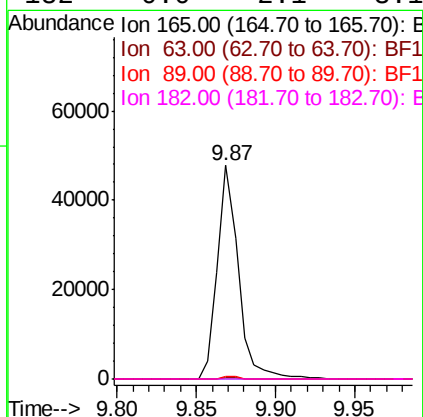
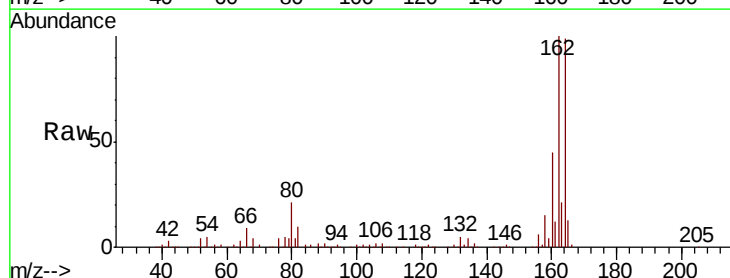
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	38.2	57.2#
89	1.3	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.497 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116151.D
 Acq: 10 Aug 2019 16:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	39.6	59.4#
89	1.3	62.2	93.2#
182	0.0	2.1	3.1#

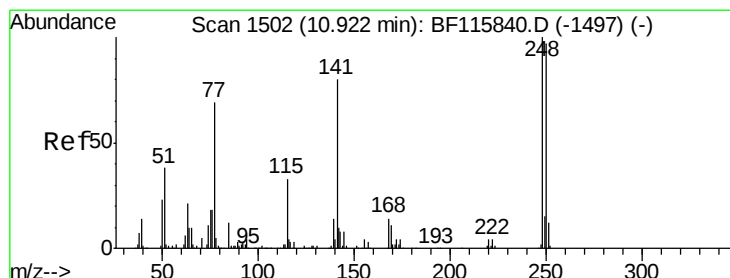
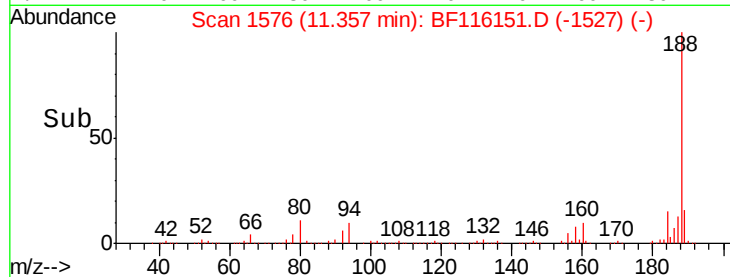
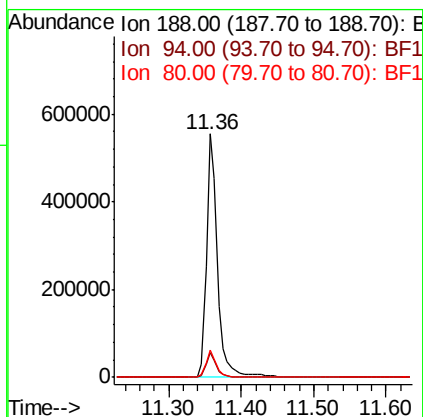
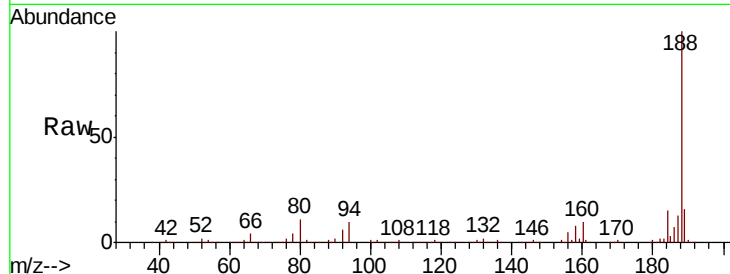




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116151.D
 Acq: 10 Aug 2019 16:20

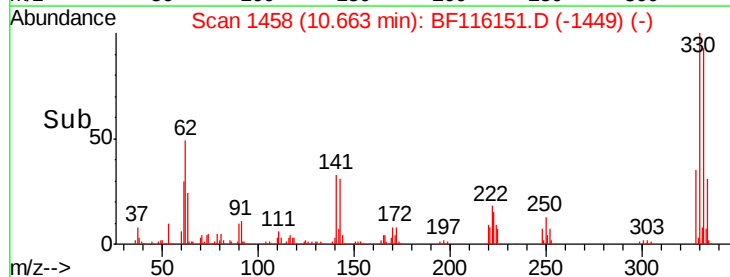
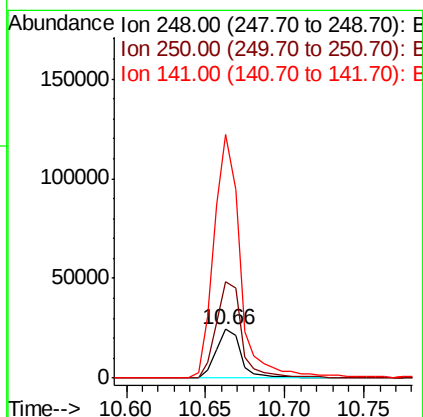
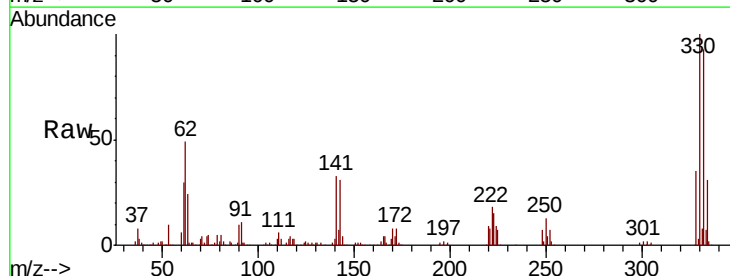
Instrument :
 BNA_F
 ClientSampleId :

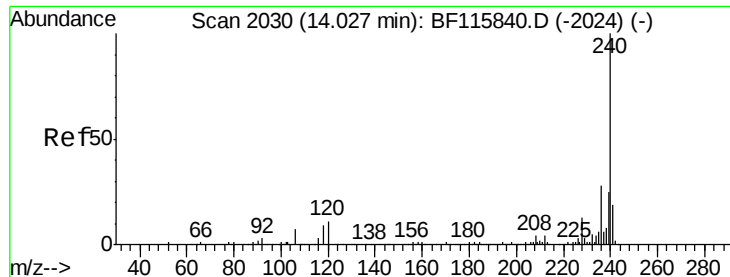
Tot Ion:188 Resp: 584486
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.1 12.1
 80 11.2 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.316 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116151.D
 Acq: 10 Aug 2019 16:20

Tgt Ion:248 Resp: 27005
 Ion Ratio Lower Upper
 248 100
 250 197.7 77.4 116.2#
 141 499.0 56.8 85.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116151.D

Acq: 10 Aug 2019 16:20

Instrument :

BNA_F

ClientSampleId :

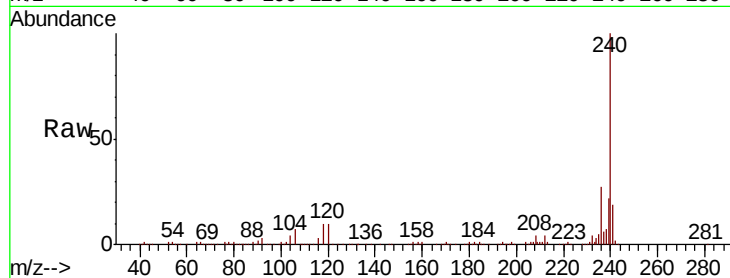
Tot Ion:240 Resp: 324432

Ion Ratio Lower Upper

240 100

120 10.3 10.7 16.1#

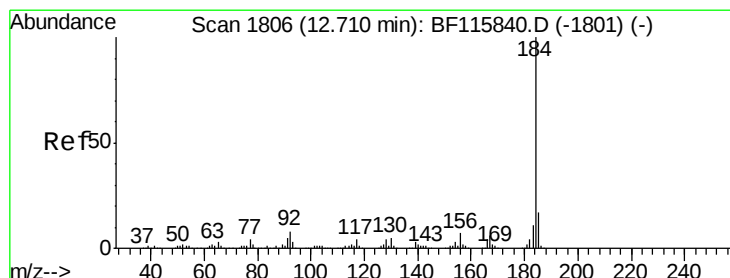
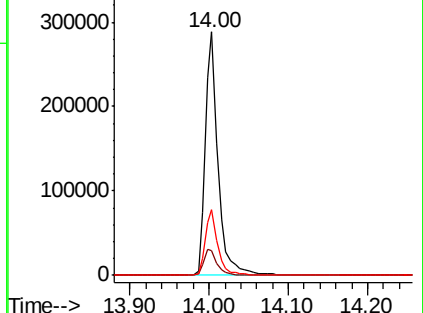
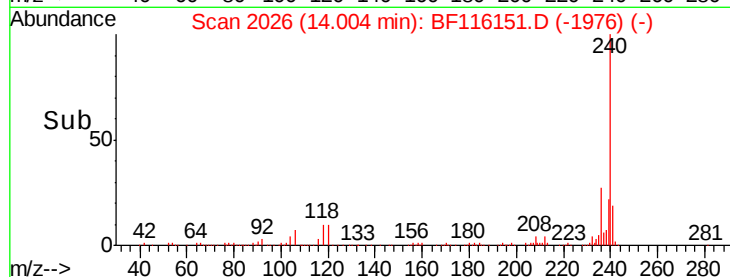
236 27.0 22.2 33.2



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



#77

Benzidine

Concen: 2.092 ng

RT: 12.95 min Scan# 1846

Delta R.T. 0.25 min

Lab File: BF116151.D

Acq: 10 Aug 2019 16:20

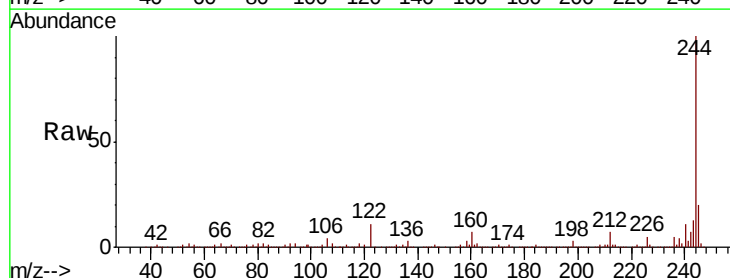
Tgt Ion:184 Resp: 22935

Ion Ratio Lower Upper

184 100

185 17.4 12.8 19.2

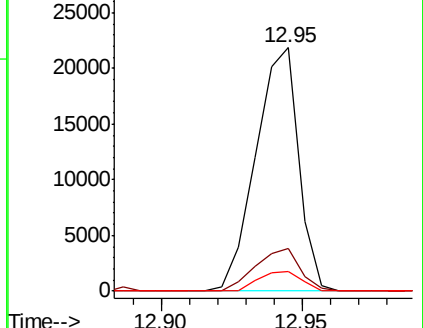
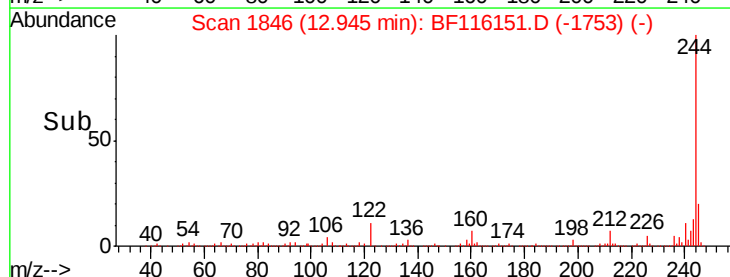
183 8.3 9.4 14.0#

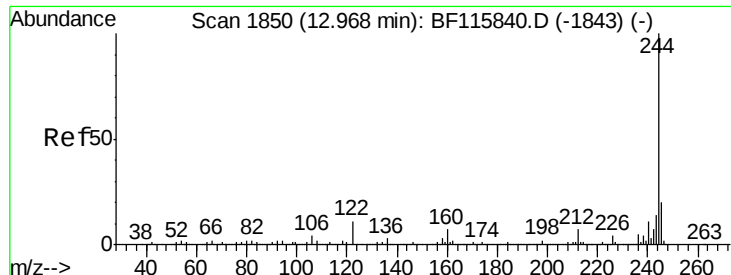


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 111.434 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116151.D

Acq: 10 Aug 2019 16:20

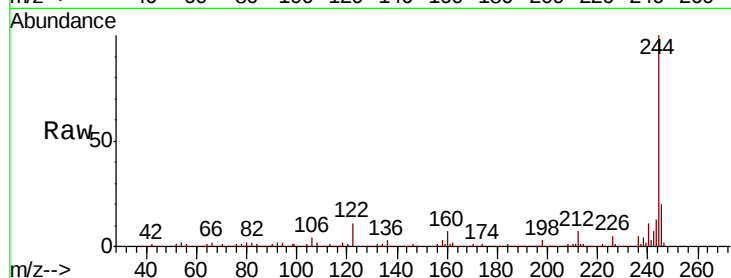
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1715706

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	11.0	9.0	13.4

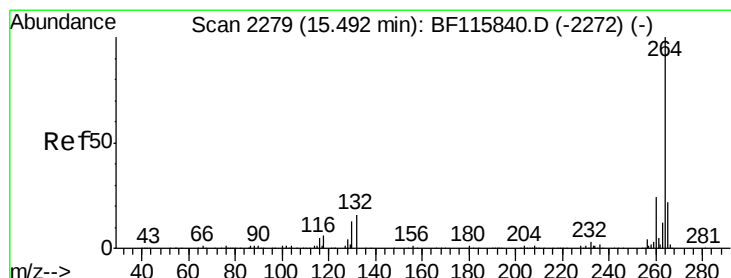
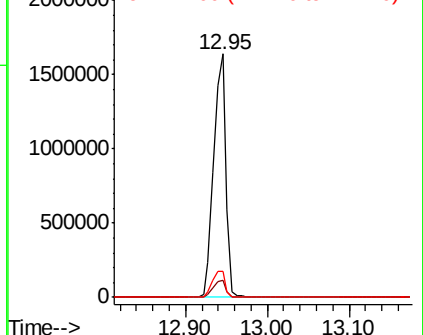
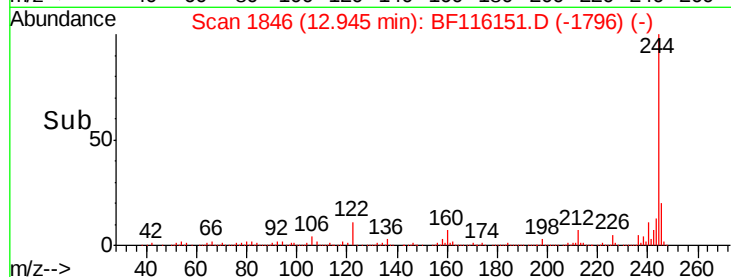


Abundance

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# 2275

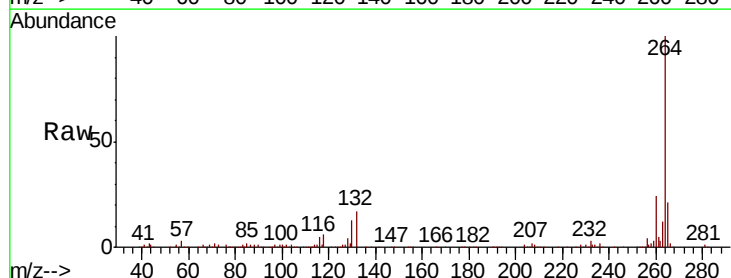
Delta R.T. -0.01 min

Lab File: BF116151.D

Acq: 10 Aug 2019 16:20

Tgt Ion:264 Resp: 336737

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.7	29.5
265	21.4	17.4	26.0



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

