

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116615.D
 Acq On : 28 Aug 2019 15:23
 Operator : HP/JU
 Sample : K4521-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 01:02:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 13:34:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	94849	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	355806	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	176569	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	270203	20.00	ng	0.00
76) Chrysene-d12	14.00	240	173669	20.00	ng	0.00
87) Perylene-d12	15.47	264	224213	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	490566	89.33	ng	0.00
7) Phenol-d6	6.49	99	922319	123.89	ng	0.00
23) Nitrobenzene-d5	7.42	82	575702	92.58	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	169412	100.83	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	985466	92.88	ng	0.00
79) Terphenyl-d14	12.96	244	850483	79.64	ng	0.00

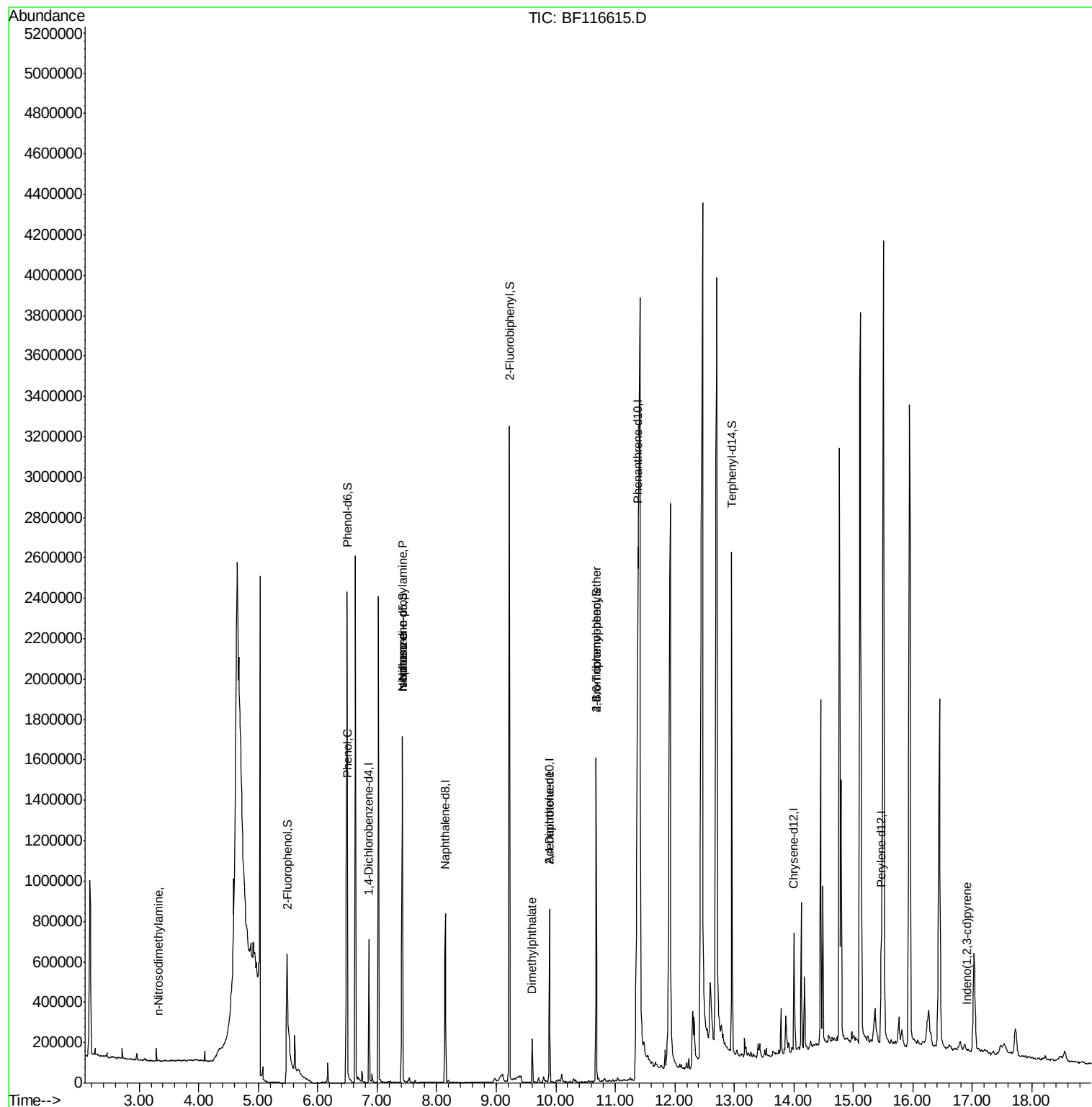
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.33	42	758	4.225	ng	# 1
9) Benzaldehyde	6.49	77	1872	Below Cal		# 1
10) Phenol	6.50	94	37064	4.539	ng	97
19) n-Nitroso-di-n-propylamine	7.42	70	77420	16.352	ng	# 78
25) Isophorone	7.42	82	573383	50.653	ng	# 65
50) Dimethylphthalate	9.60	163	81077	6.830	ng	99
57) 2,4-Dinitrotoluene	9.90	165	22327	6.464	ng	# 27
67) 4-Bromophenyl-phenylether	10.68	248	11173	3.898	ng	# 1
86) Indeno(1,2,3-cd)pyrene	16.92	276	5946	4.480	ng	94

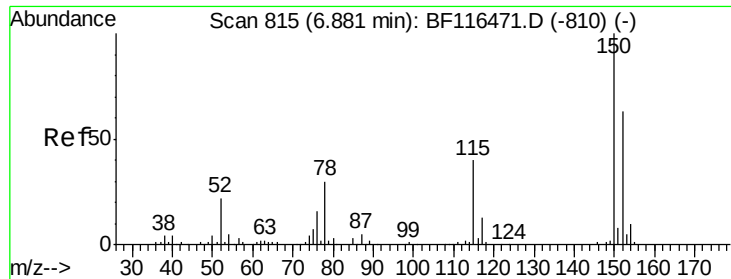
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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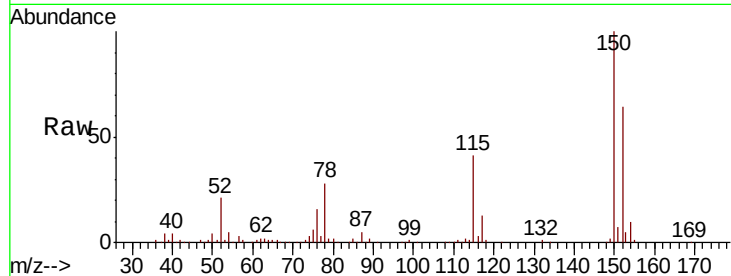


#1

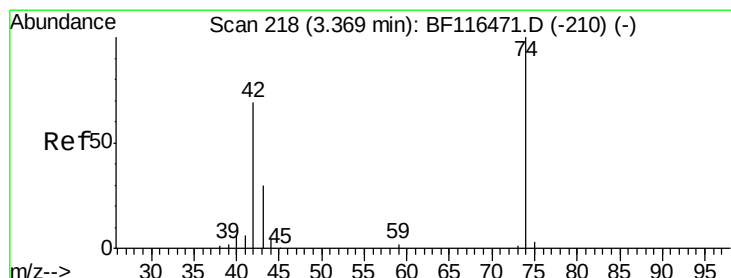
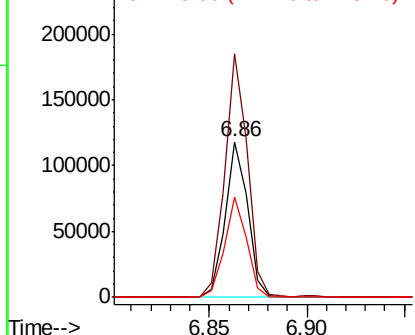
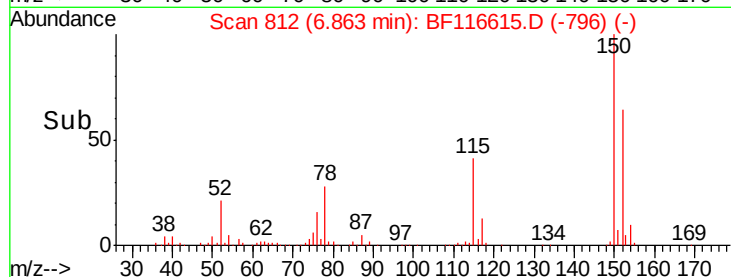
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116615.D
Acq: 28 Aug 2019 15:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 94849
Ion Ratio Lower Upper
152 100
150 156.8 123.4 185.2
115 64.2 48.2 72.2



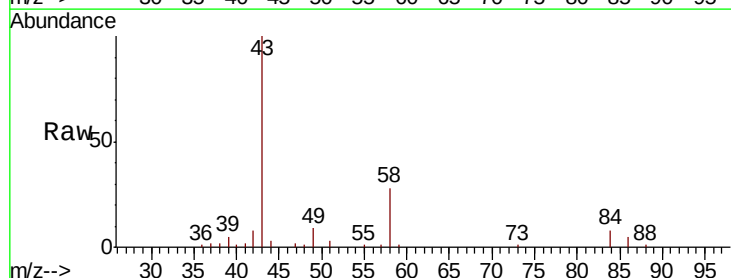
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



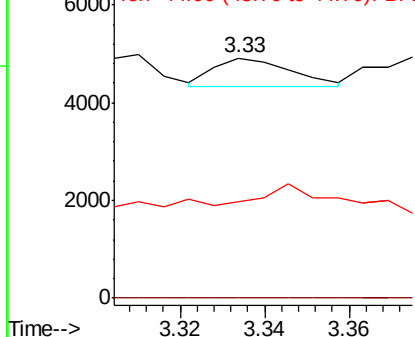
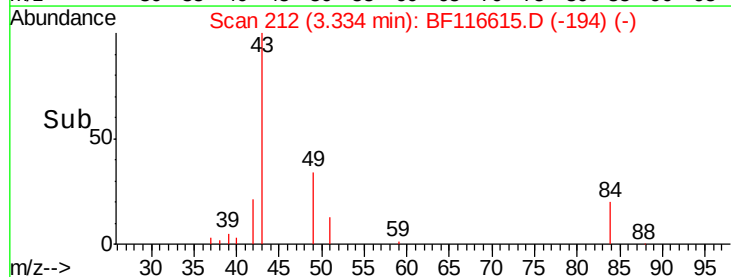
#4

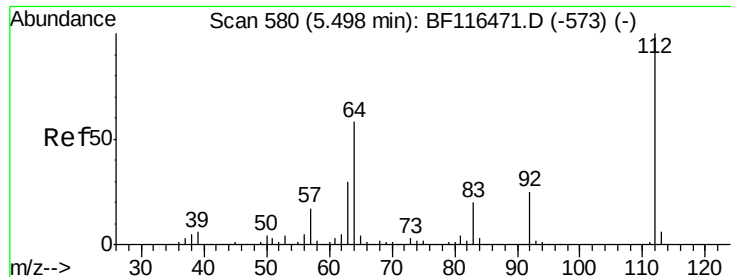
n-Nitrosodimethylamine
Concen: 4.225 ng
RT: 3.33 min Scan# 212
Delta R.T. 0.01 min
Lab File: BF116615.D
Acq: 28 Aug 2019 15:23

Tgt Ion: 42 Resp: 758
Ion Ratio Lower Upper
42 100
74 0.0 120.0 180.0#
44 40.2 5.4 8.2#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 89.333 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF116615.D

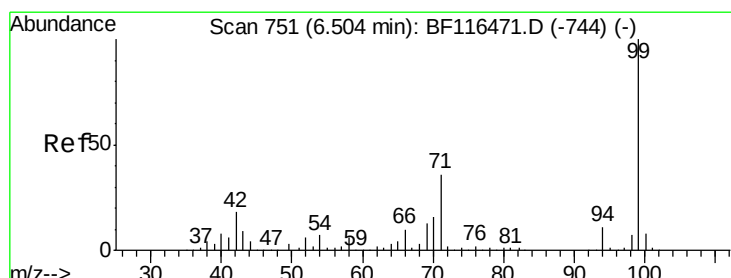
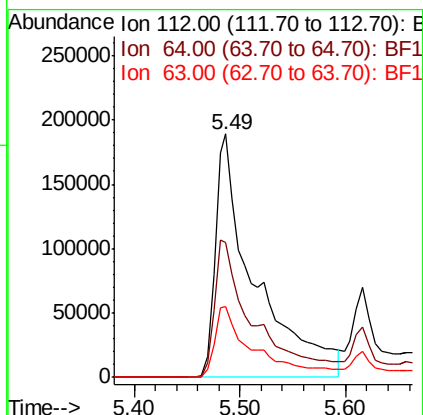
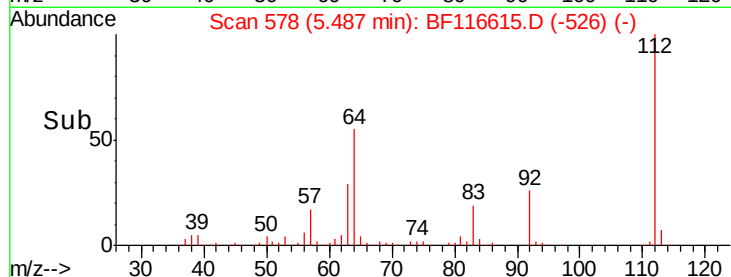
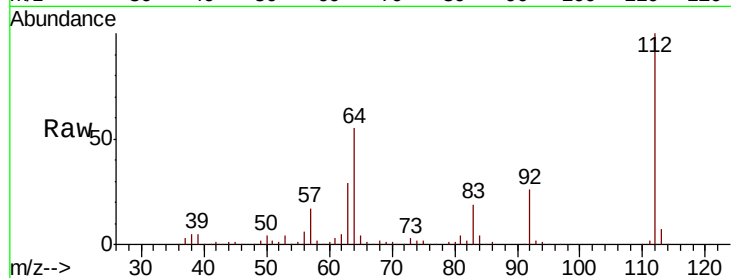
Acq: 28 Aug 2019 15:23

Instrument :

BNA_F

ClientSampled :

Tot Ion:	112	Resp:	490566
Ion Ratio	Lower	Upper	
112	100		
64	55.2	48.0	72.0
63	29.3	24.6	36.8



#7

Phenol-d6

Concen: 123.885 ng

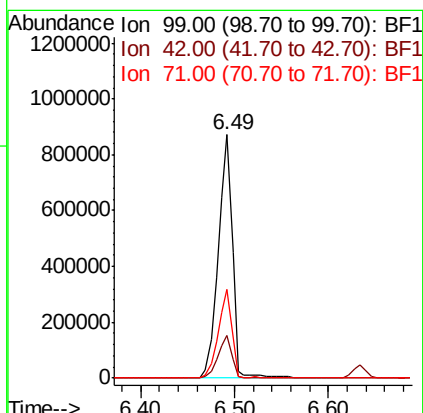
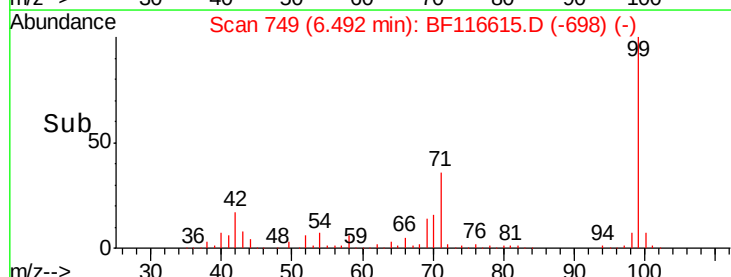
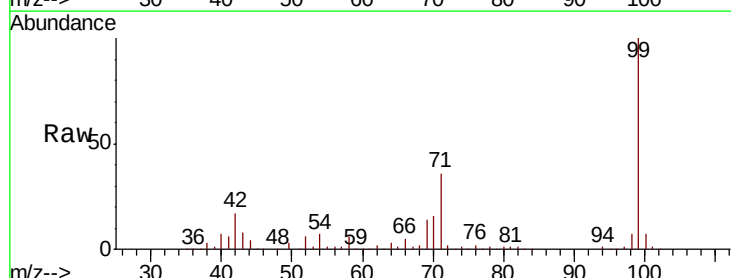
RT: 6.49 min Scan# 749

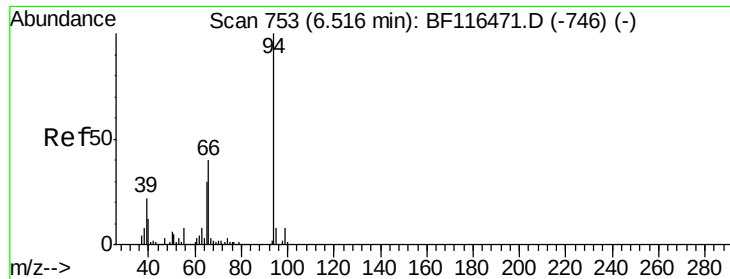
Delta R.T. -0.00 min

Lab File: BF116615.D

Acq: 28 Aug 2019 15:23

Tgt Ion:	99	Resp:	922319
Ion Ratio	Lower	Upper	
99	100		
42	17.3	13.2	19.8
71	36.4	27.4	41.2





#10

Phenol

Concen: 4.539 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116615.D

Acq: 28 Aug 2019 15:23

Instrument :

BNA_F

ClientSampleId :

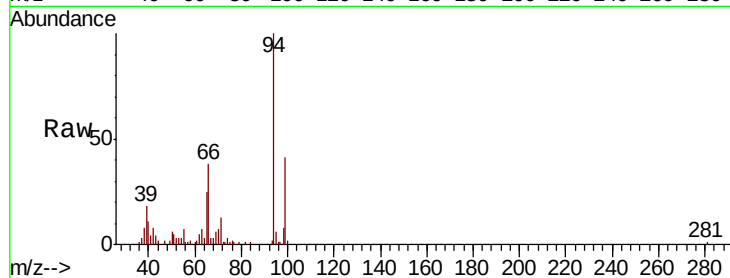
Tot Ion: 94 Resp: 37064

Ion Ratio Lower Upper

94 100

65 24.7 8.6 48.6

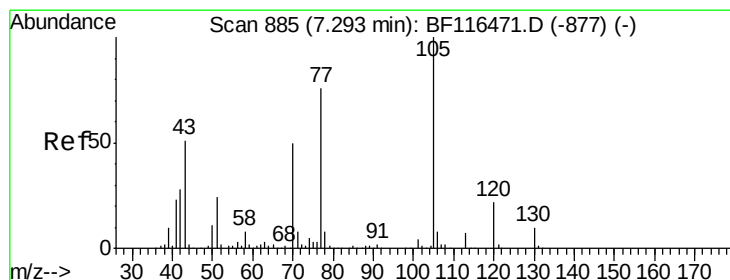
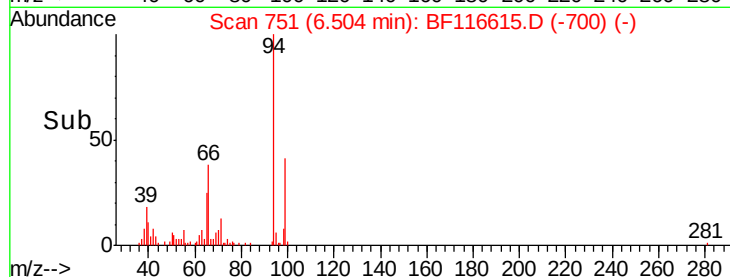
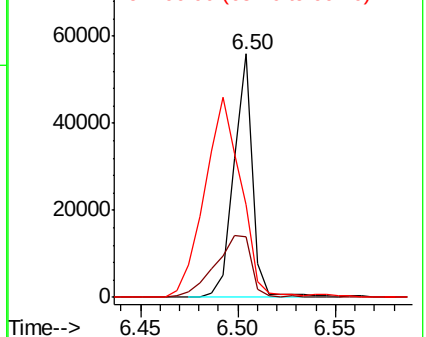
66 38.1 18.0 58.0



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 16.352 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF116615.D

Acq: 28 Aug 2019 15:23

Tgt Ion: 70 Resp: 77420

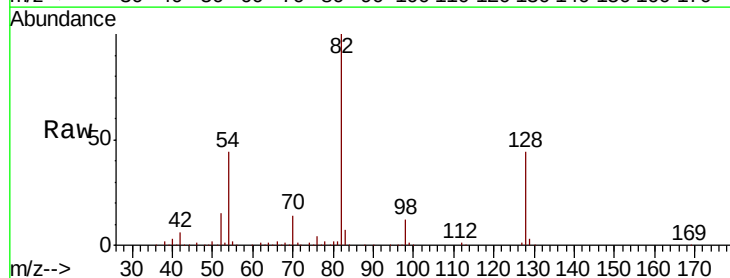
Ion Ratio Lower Upper

70 100

42 42.9 41.2 61.8

101 0.0 7.7 11.5#

130 1.9 17.9 26.9#

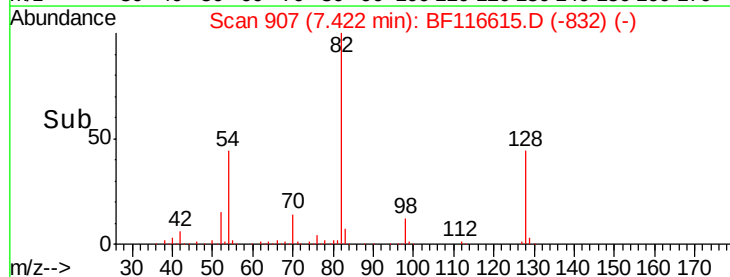
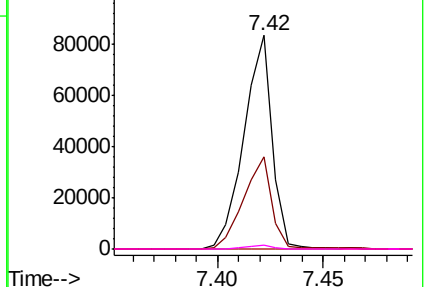


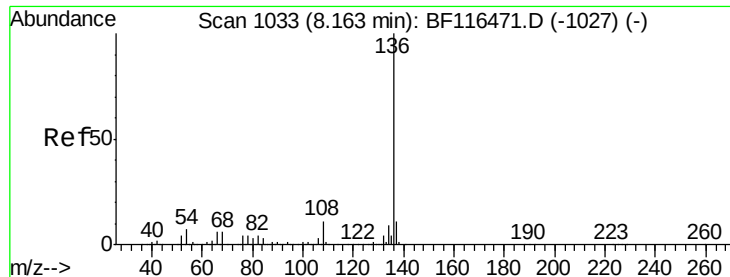
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

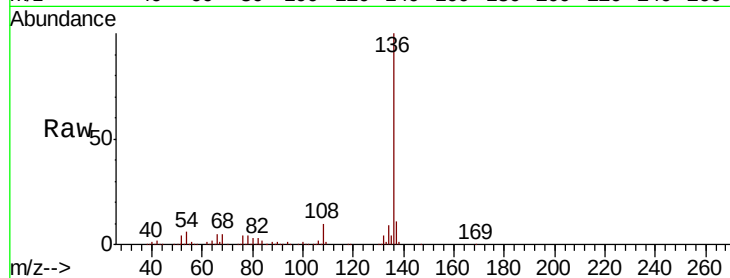




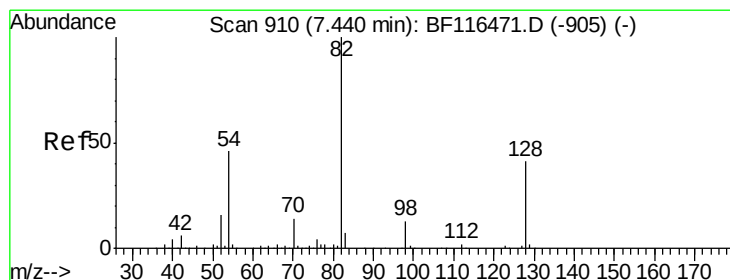
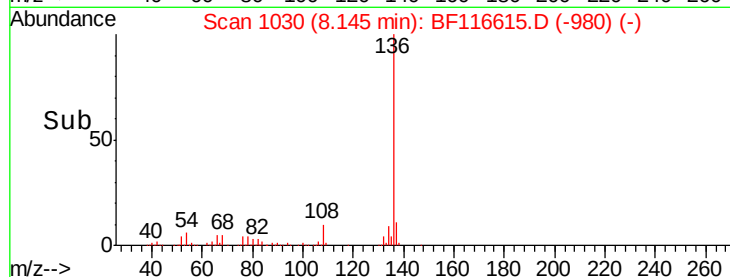
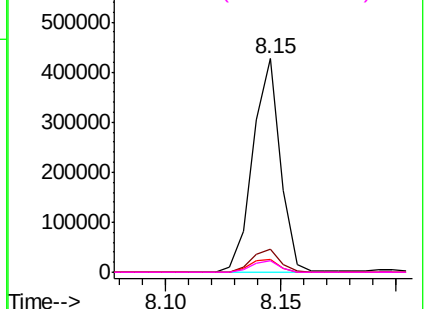
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116615.D
Acq: 28 Aug 2019 15:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	355806
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.7 13.1
54	6.2	5.0 7.4
68	5.4	4.5 6.7

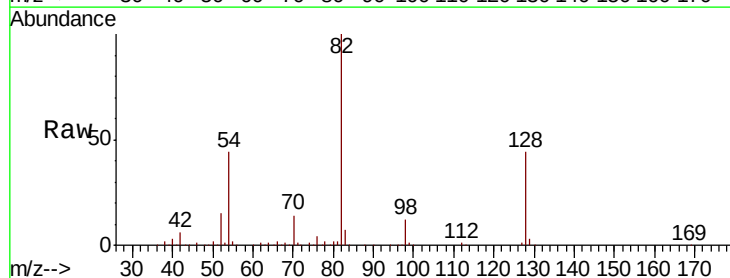


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

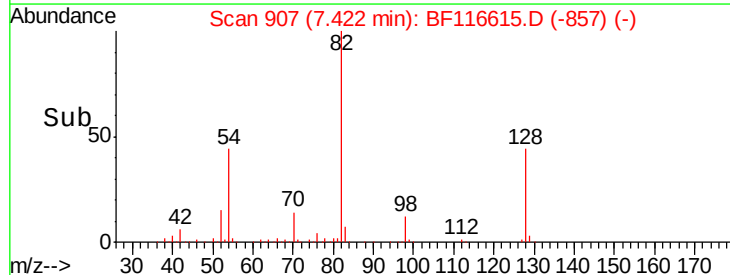
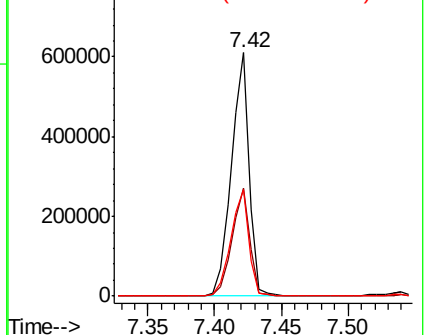


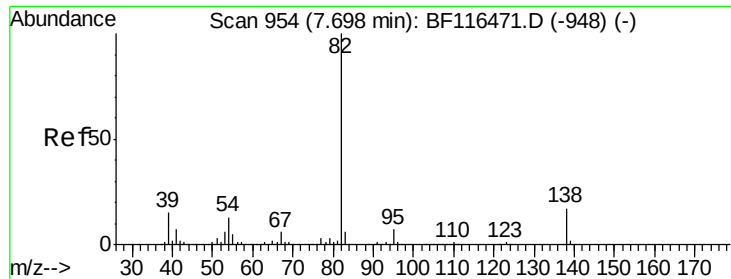
#23
Nitrobenzene-d5
Concen: 92.583 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF116615.D
Acq: 28 Aug 2019 15:23

Tgt Ion: 82	Resp:	575702
Ion	Ratio	Lower Upper
82	100	
128	44.2	35.0 52.6
54	43.9	34.4 51.6



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: 50.653 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF116615.D

Acq: 28 Aug 2019 15:23

Instrument :

BNA_F

ClientSampleId :

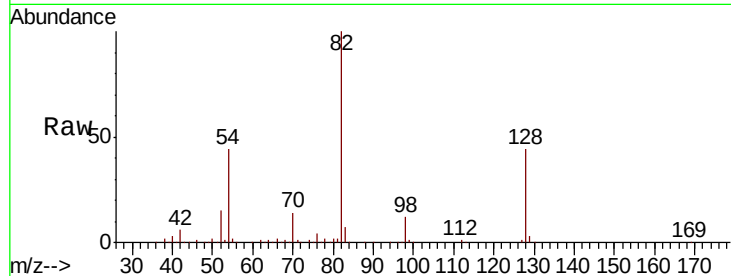
Tot Ion: 82 Resp: 573383

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

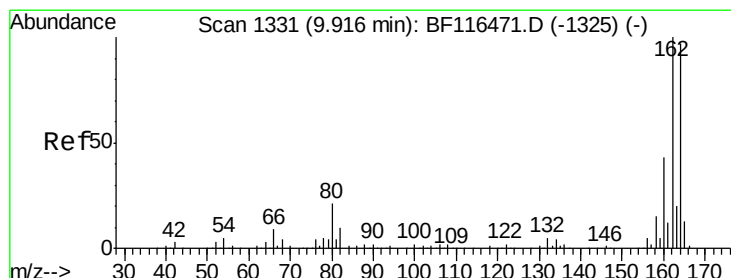
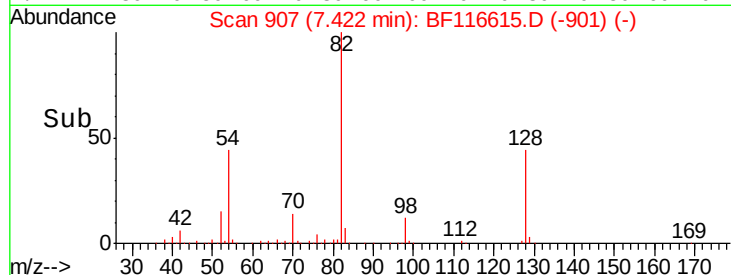
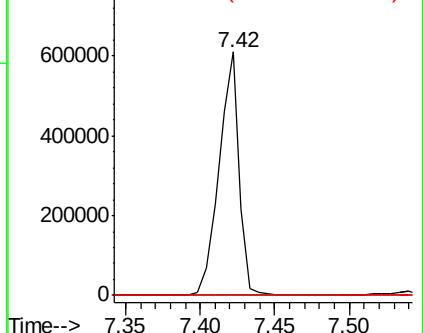
138 0.0 14.4 21.6#



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: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF116615.D

Acq: 28 Aug 2019 15:23

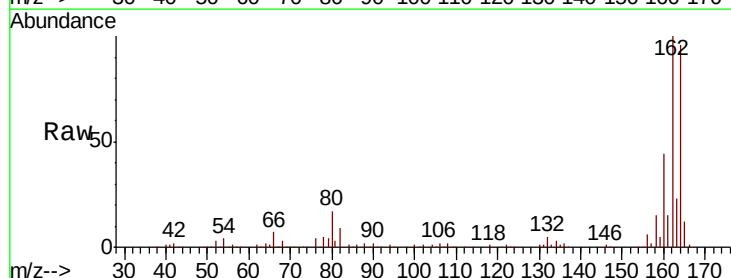
Tgt Ion:164 Resp: 176569

Ion Ratio Lower Upper

164 100

162 104.5 83.4 125.0

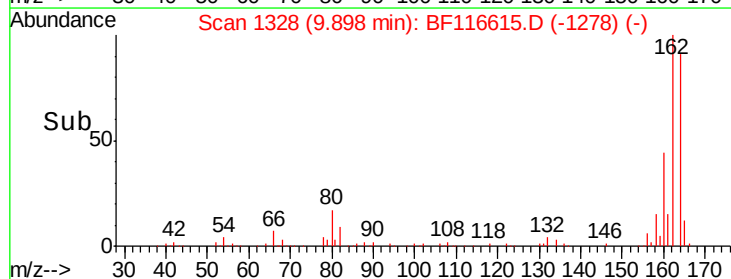
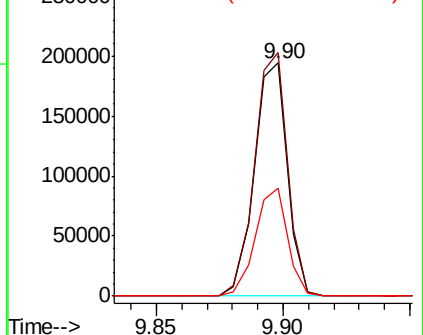
160 46.5 37.0 55.4

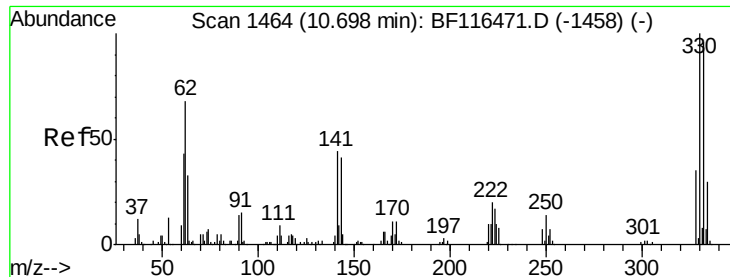


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

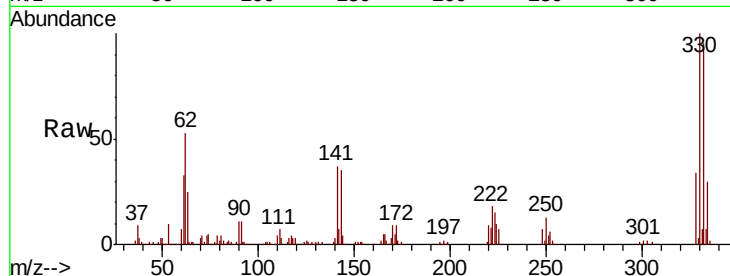




#42
 2,4,6-Tribromophenol
 Concen: 100.826 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF116615.D
 Acq: 28 Aug 2019 15:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.5	116.3
141	38.5	28.2	42.2

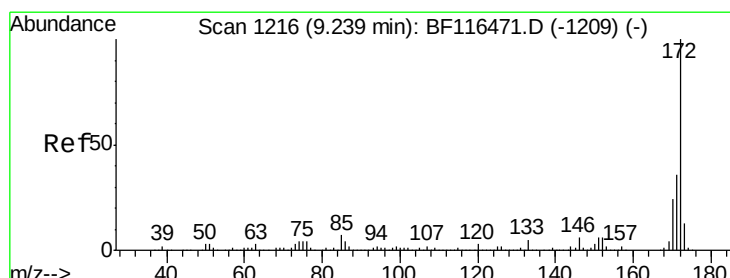
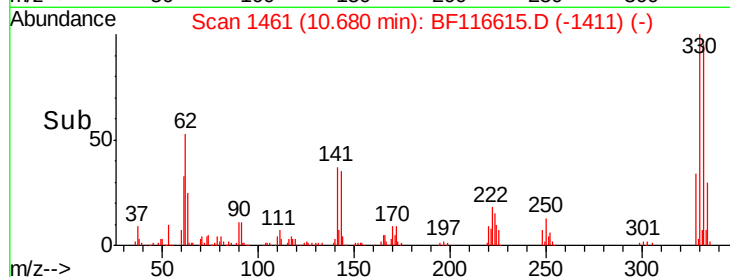
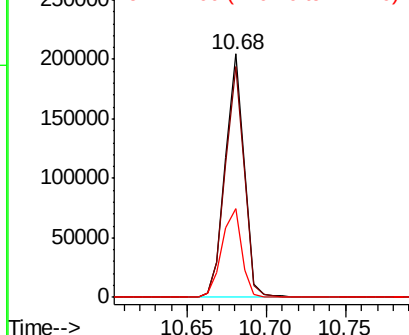


Abundance

Ion 329.80 (329.50 to 330.50): E

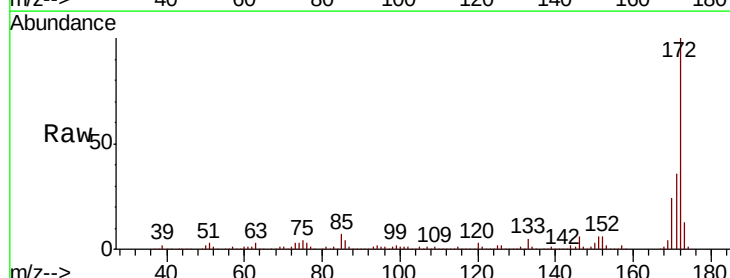
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 92.882 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF116615.D
 Acq: 28 Aug 2019 15:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	23.7	19.3	28.9

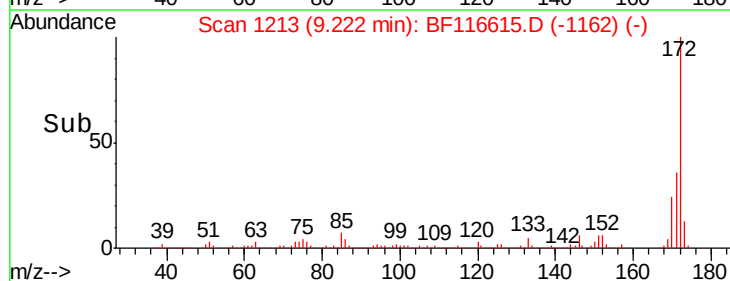
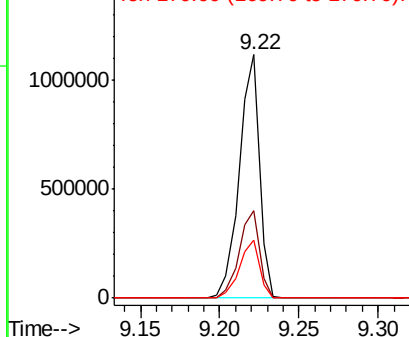


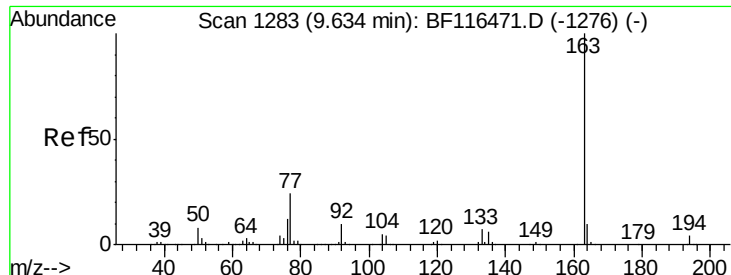
Abundance

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

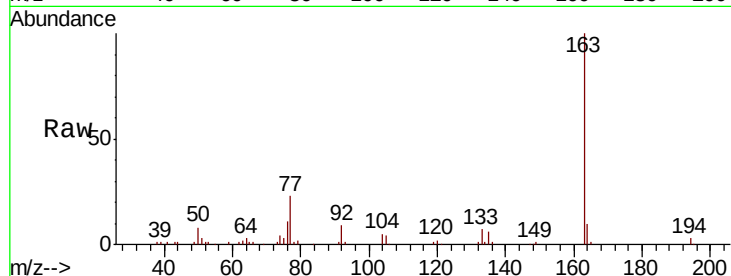




#50
Dimethylphthalate
Concen: 6.830 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116615.D
Acq: 28 Aug 2019 15:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.6
164	9.7	8.2	12.2

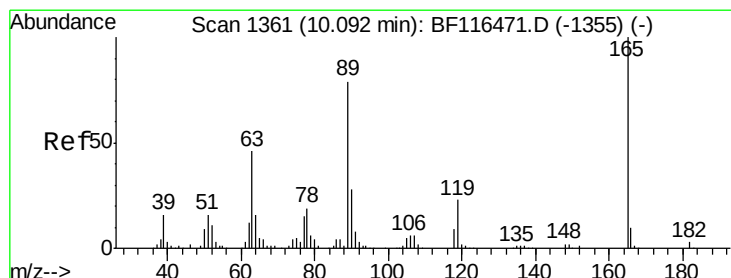
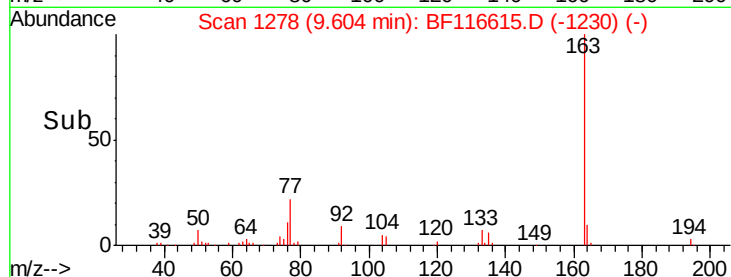
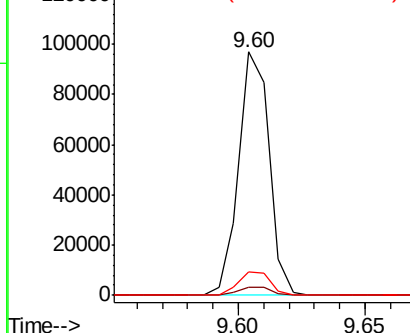


Abundance

Ion 163.00 (162.70 to 163.70): E

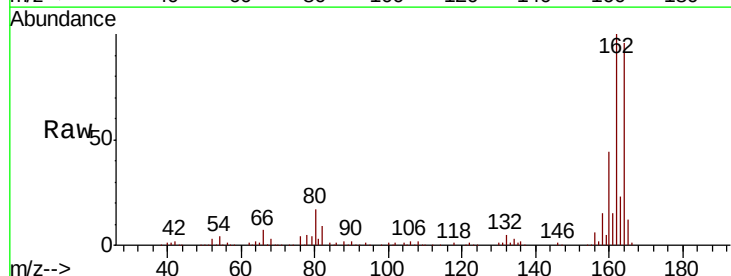
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 6.464 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.18 min
Lab File: BF116615.D
Acq: 28 Aug 2019 15:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	30.9	46.3#
89	2.0	55.0	82.6#
182	0.0	2.2	3.2#



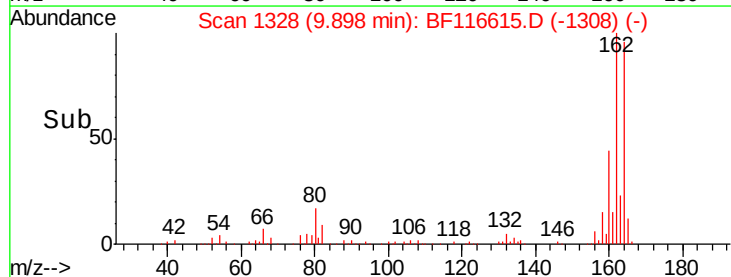
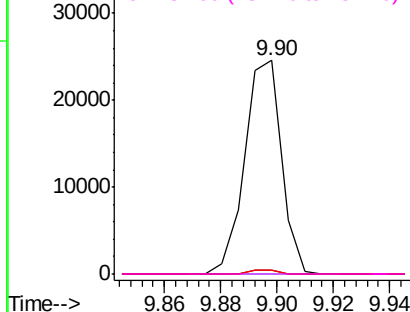
Abundance

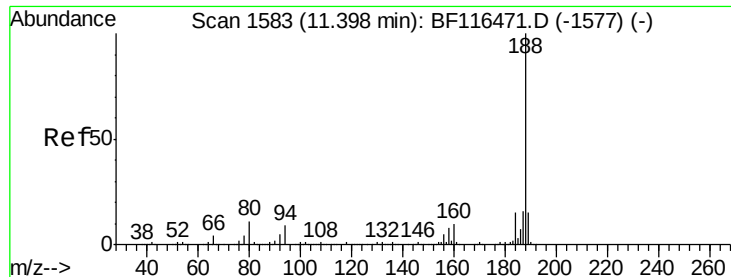
Ion 165.00 (164.70 to 165.70): E

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: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF116615.D

Acq: 28 Aug 2019 15:23

Instrument :

BNA_F

ClientSampleId :

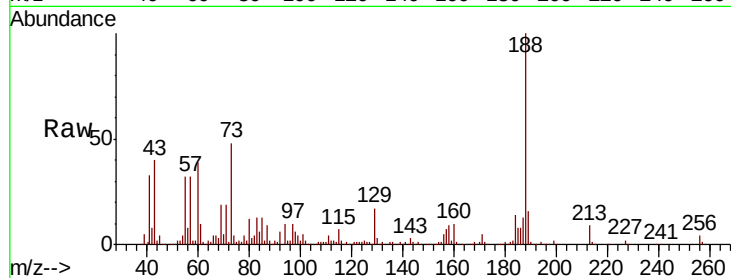
Tot Ion:188 Resp: 270203

Ion Ratio Lower Upper

188 100

94 9.9 8.2 12.4

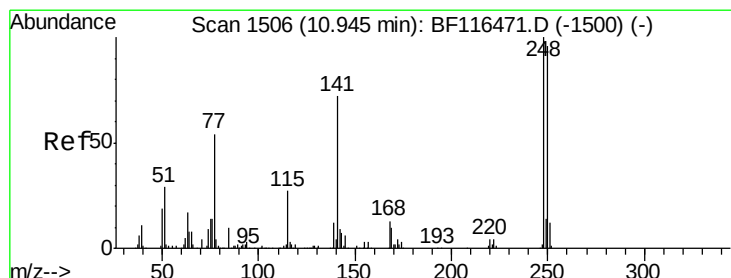
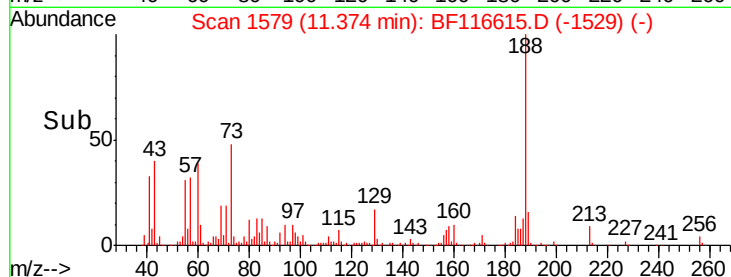
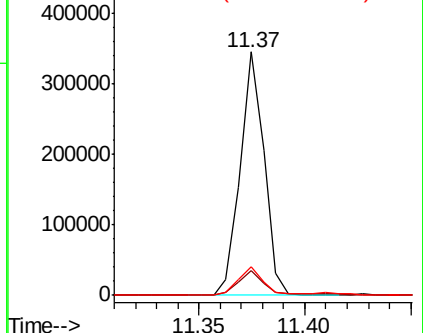
80 11.5 8.9 13.3



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: 3.898 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.25 min

Lab File: BF116615.D

Acq: 28 Aug 2019 15:23

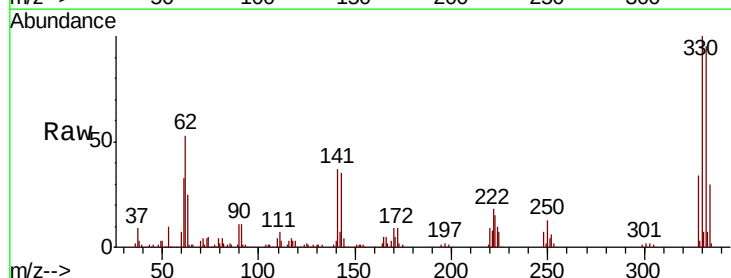
Tgt Ion:248 Resp: 11173

Ion Ratio Lower Upper

248 100

250 197.6 76.6 115.0#

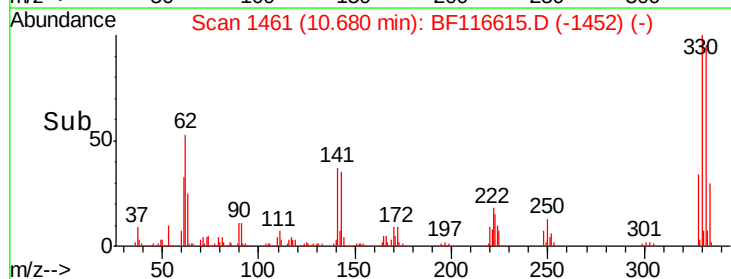
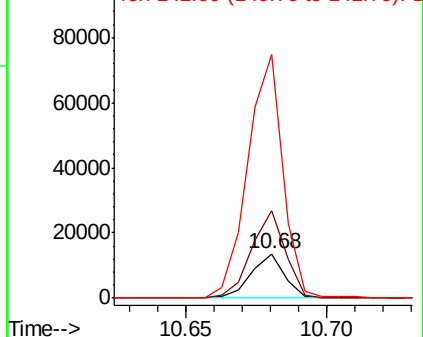
141 547.5 60.8 91.2#

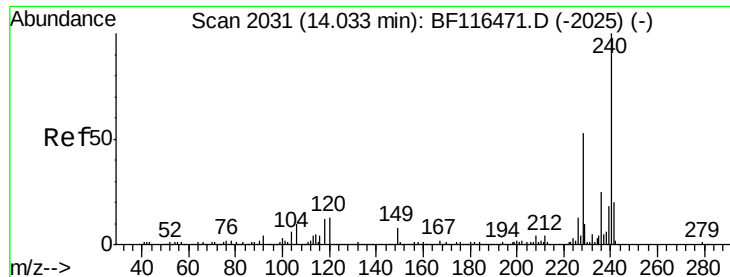


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

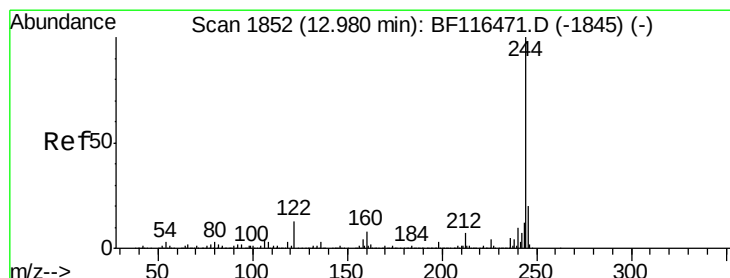
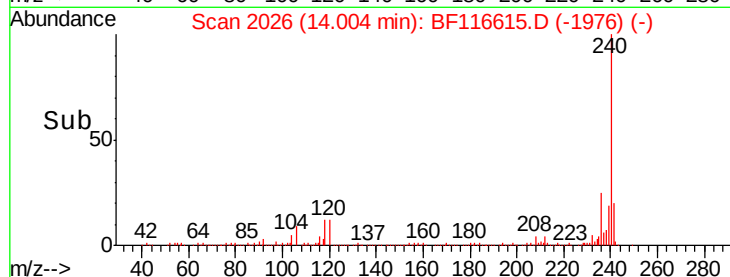
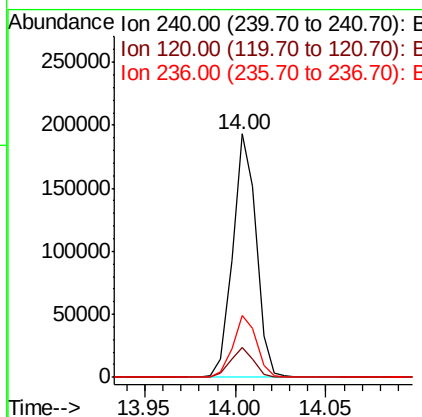
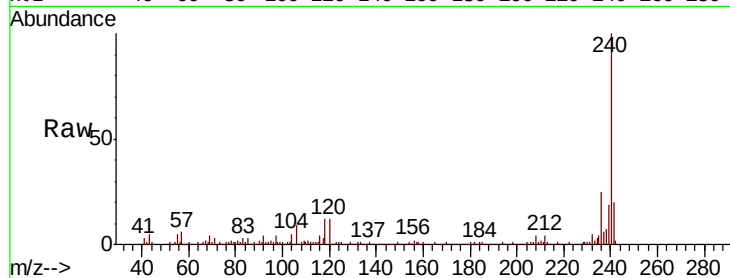




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116615.D
Acq: 28 Aug 2019 15:23

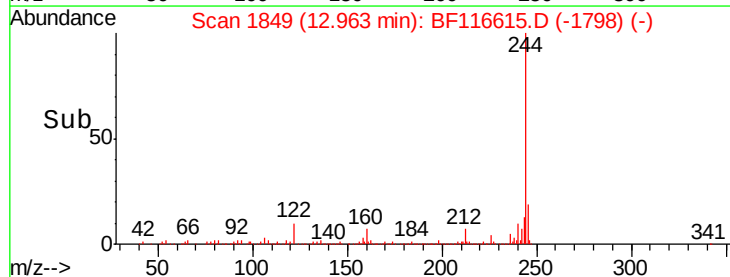
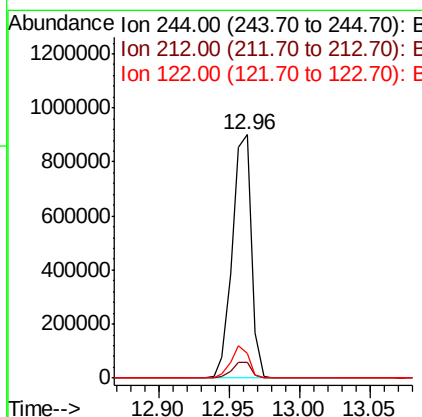
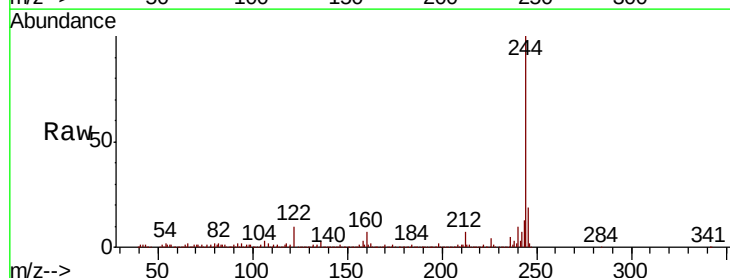
Instrument :
BNA_F
ClientSampled :

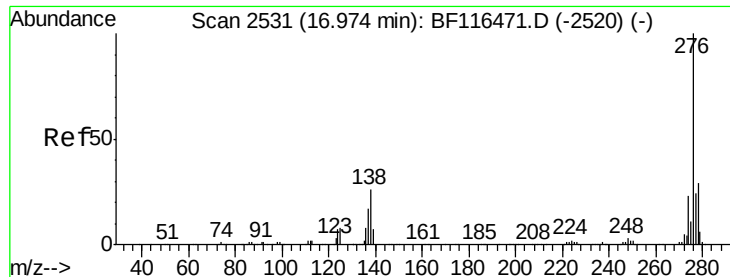
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	11.3	16.9
236	25.3	21.4	32.2



#79
Terphenyl-d14
Concen: 79.645 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.00 min
Lab File: BF116615.D
Acq: 28 Aug 2019 15:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.9	8.9
122	10.2	10.0	15.0





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.480 ng

RT: 16.92 min Scan# 2521

Delta R.T. -0.01 min

Lab File: BF116615.D

Acq: 28 Aug 2019 15:23

Instrument :

BNA_F

ClientSampleId :

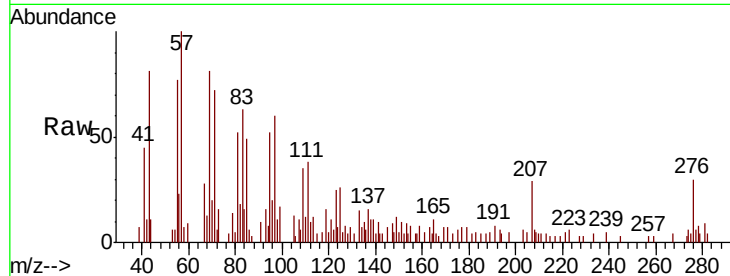
Tot Ion:276 Resp: 5946

Ion Ratio Lower Upper

276 100

138 22.4 21.5 32.3

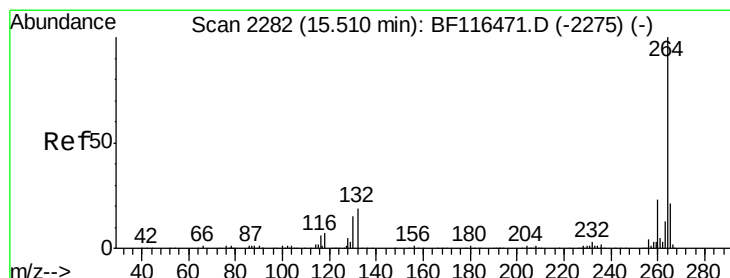
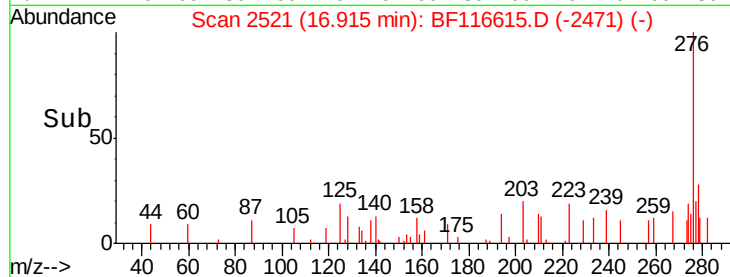
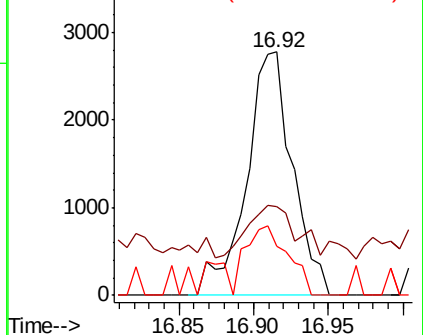
277 26.3 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.00 min

Lab File: BF116615.D

Acq: 28 Aug 2019 15:23

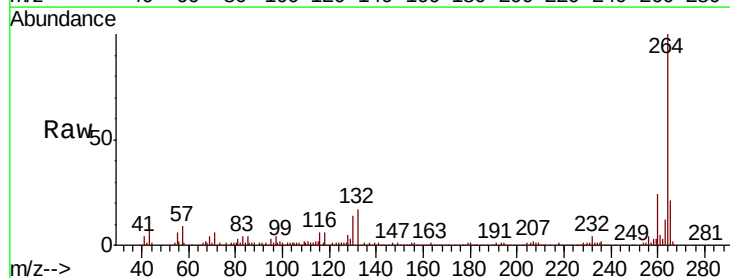
Tgt Ion:264 Resp: 224213

Ion Ratio Lower Upper

264 100

260 23.6 20.0 30.0

265 20.6 17.6 26.4



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

