

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116586.D
 Acq On : 27 Aug 2019 15:41
 Operator : HP/JU
 Sample : K4086-05 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 06:36:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

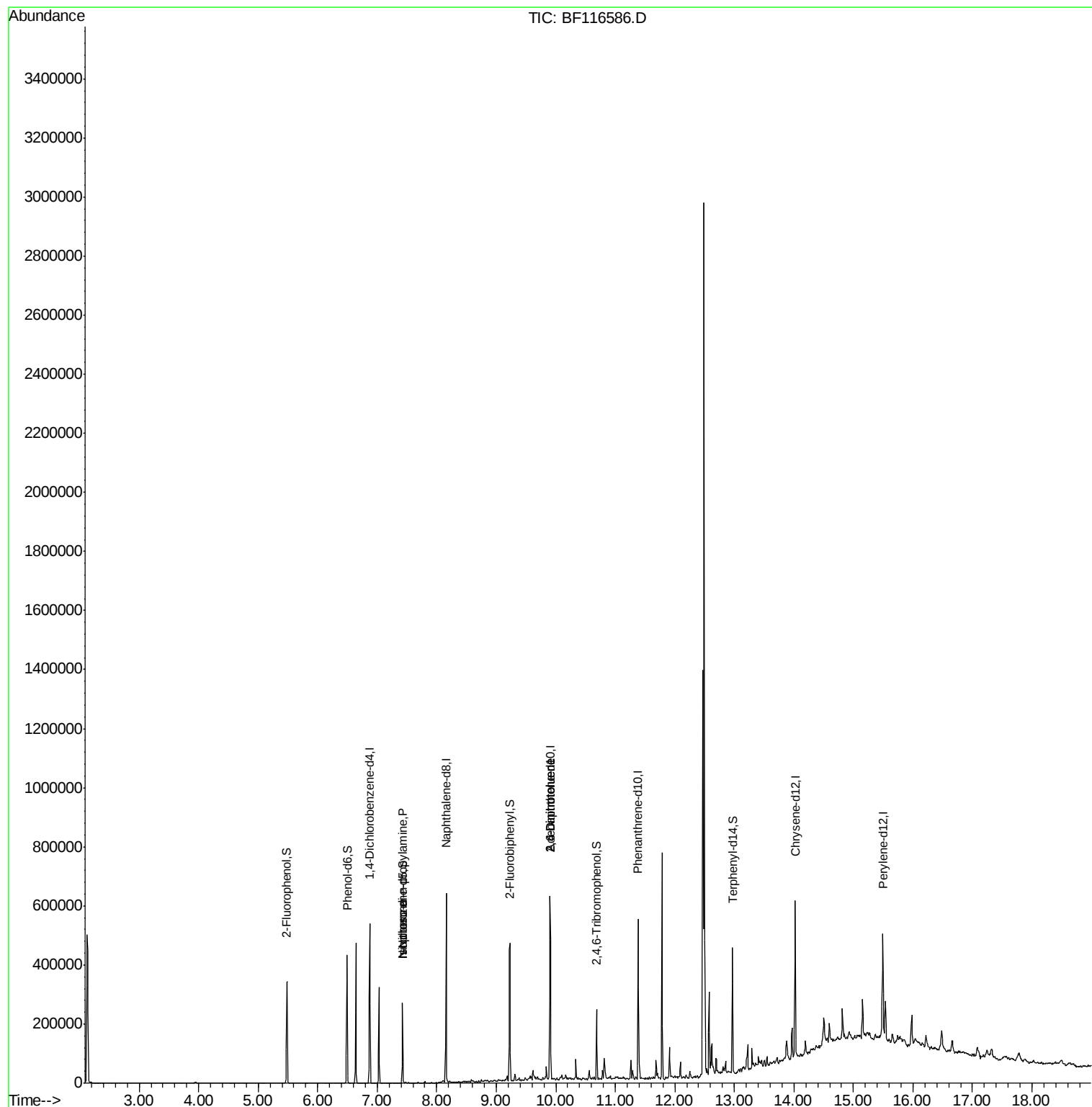
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	68784	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	258973	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	114431	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	171839	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	154255	20.00	ng	-0.01
87) Perylene-d12	15.49	264	160314	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	94198	20.01	ng	-0.01
7) Phenol-d6	6.49	99	125228	21.70	ng	-0.01
23) Nitrobenzene-d5	7.43	82	78248	16.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	20906	21.28	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	136003	19.14	ng	-0.01
79) Terphenyl-d14	12.97	244	119879	14.52	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	10583	2.687	ng	# 78
25) Isophorone	7.43	82	78246	8.388	ng	# 67
51) 2,6-Dinitrotoluene	9.90	165	15133	9.260	ng	# 27
57) 2,4-Dinitrotoluene	9.90	165	15133	7.277	ng	# 21

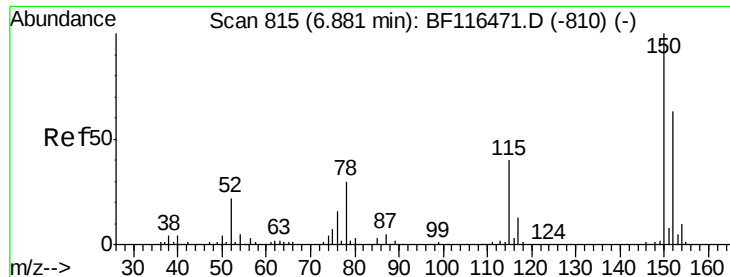
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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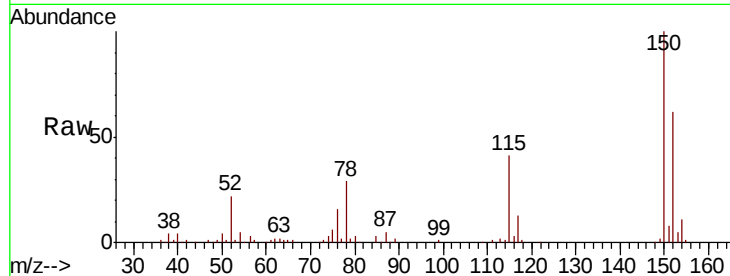


#1

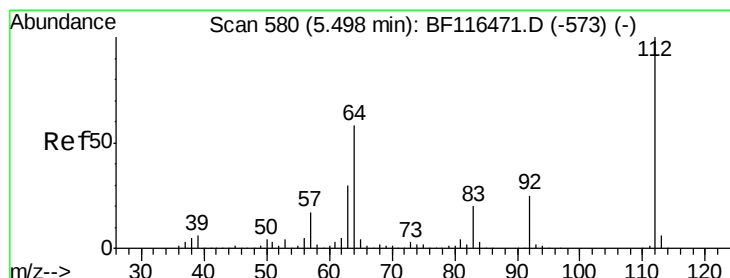
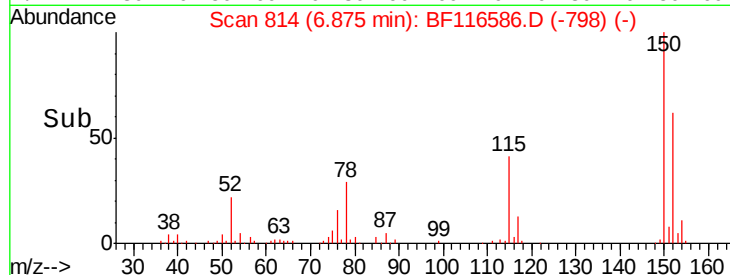
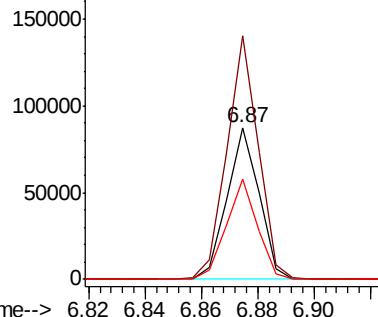
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116586.D
Acq: 27 Aug 2019 15:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 68784
Ion Ratio Lower Upper
152 100
150 160.1 126.7 190.1
115 65.5 50.9 76.3



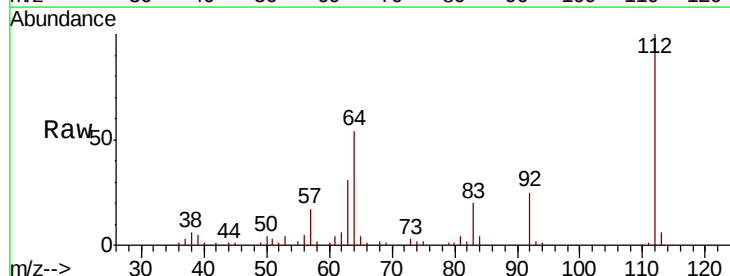
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



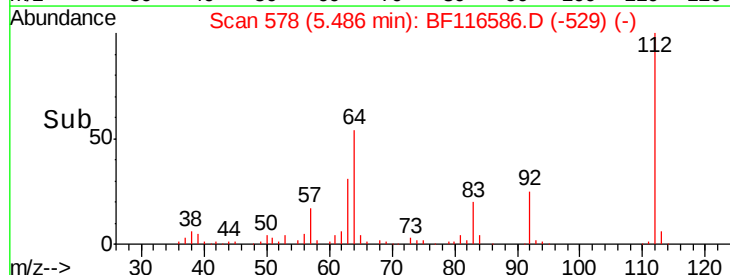
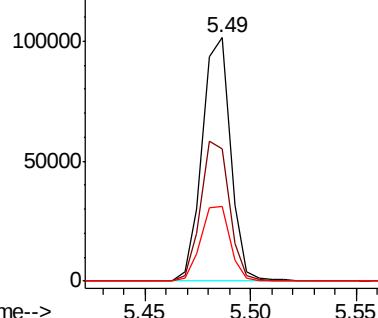
#5

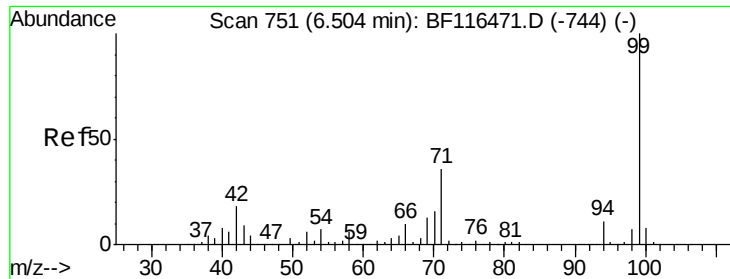
2-Fluorophenol
Concen: 20.010 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF116586.D
Acq: 27 Aug 2019 15:41

Tgt Ion:112 Resp: 94198
Ion Ratio Lower Upper
112 100
64 54.5 46.3 69.5
63 30.5 24.2 36.4



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: 21.695 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF116586.D

Acq: 27 Aug 2019 15:41

Instrument :

BNA_F

ClientSampleId :

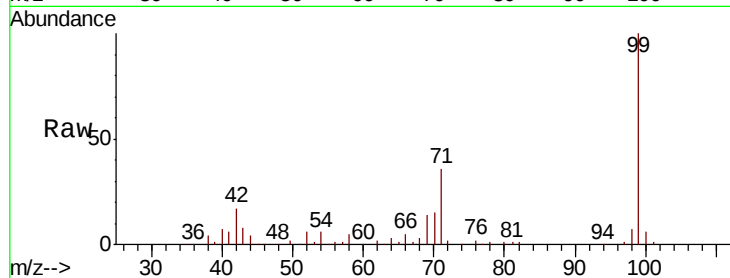
Tot Ion: 99 Resp: 125228

Ion Ratio Lower Upper

99 100

42 16.6 14.6 21.8

71 36.3 28.5 42.7



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

200000

150000

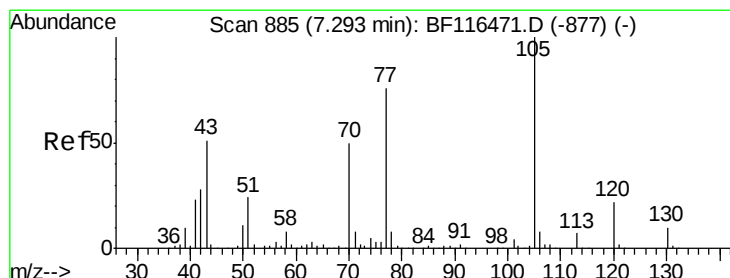
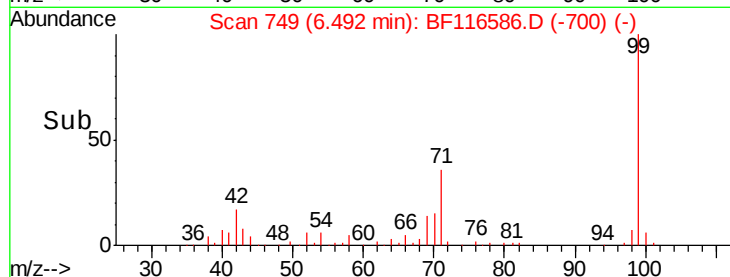
100000

50000

0

6.45 6.50 6.55

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 2.687 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF116586.D

Acq: 27 Aug 2019 15:41

Tgt Ion: 70 Resp: 10583

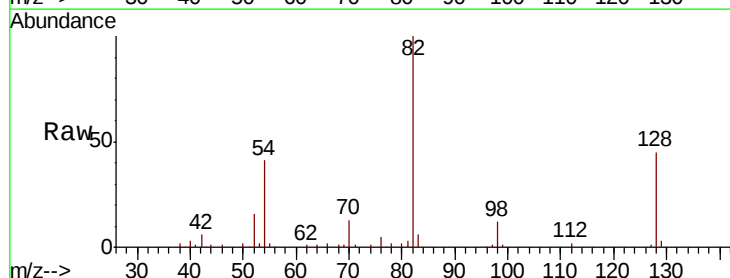
Ion Ratio Lower Upper

70 100

42 45.6 44.4 66.6

101 0.0 7.1 10.7#

130 0.0 15.8 23.8#



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): E
Ion 130.00 (129.70 to 130.70): E

20000

15000

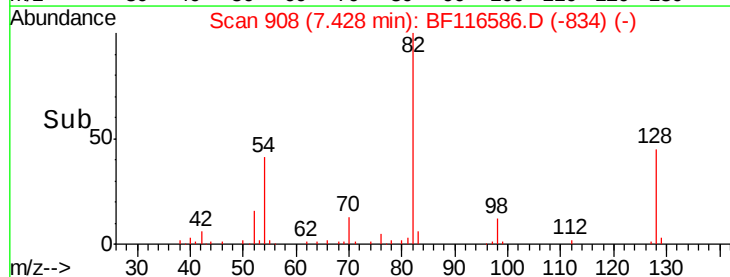
10000

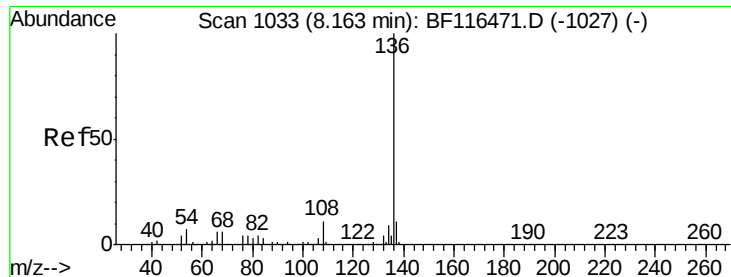
5000

0

7.38 7.40 7.42 7.44 7.46

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF116586.D

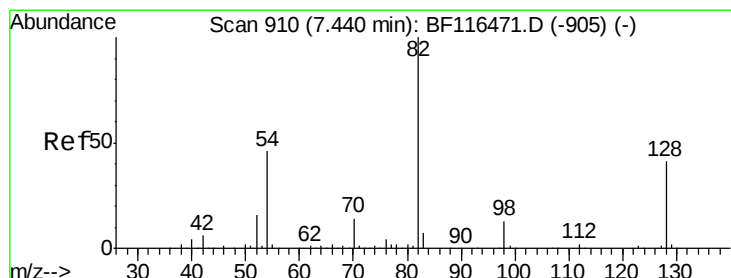
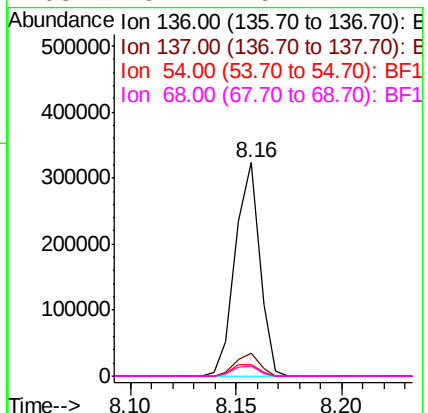
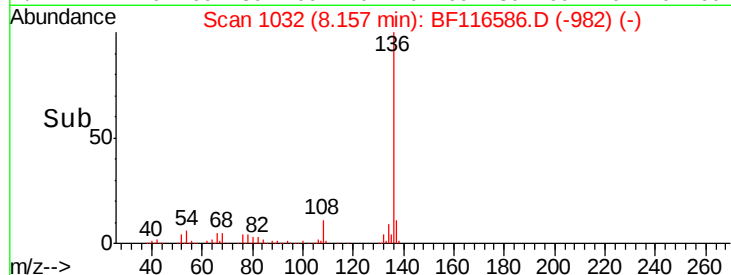
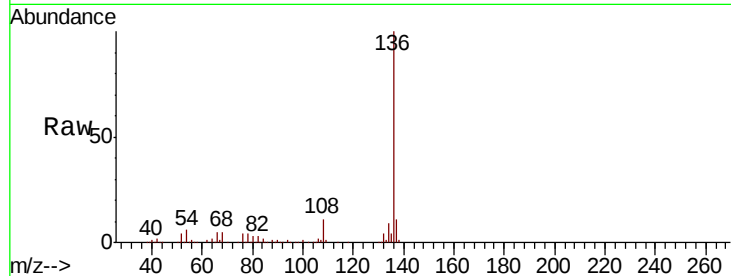
Acq: 27 Aug 2019 15:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	258973
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.0 13.4
54	5.6	5.8 8.6#
68	5.1	5.1 7.7#



#23

Nitrobenzene-d5

Concen: 16.530 ng

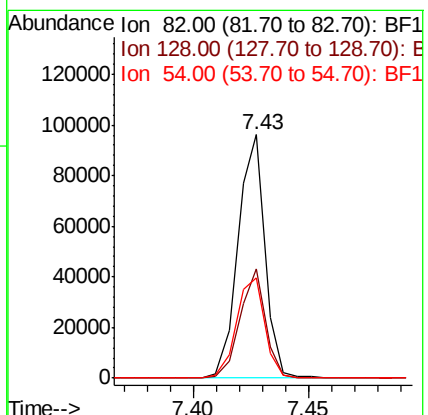
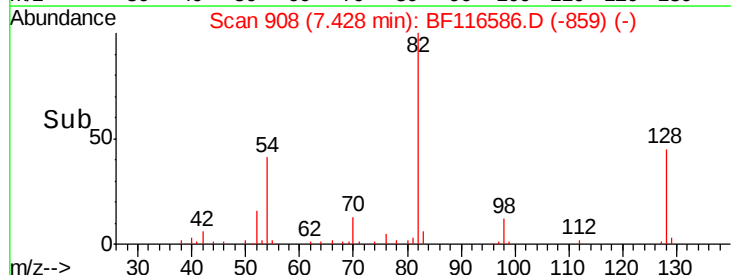
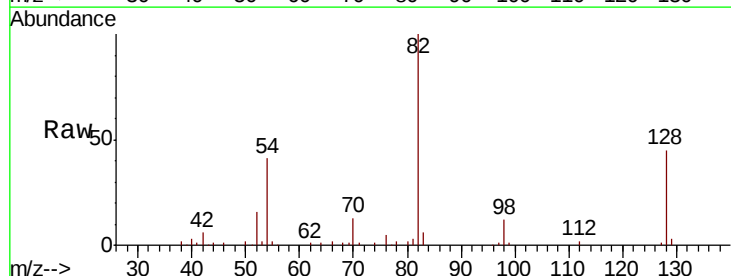
RT: 7.43 min Scan# 908

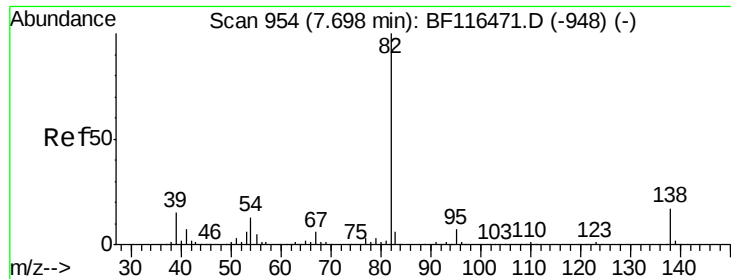
Delta R.T. -0.01 min

Lab File: BF116586.D

Acq: 27 Aug 2019 15:41

Tgt Ion: 82	Resp:	78248
Ion Ratio	Lower	Upper
82	100	
128	44.6	32.2 48.4
54	41.3	36.5 54.7





#25

Isophorone

Concen: 8.388 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF116586.D

Acq: 27 Aug 2019 15:41

Instrument :

BNA_F

ClientSampleId :

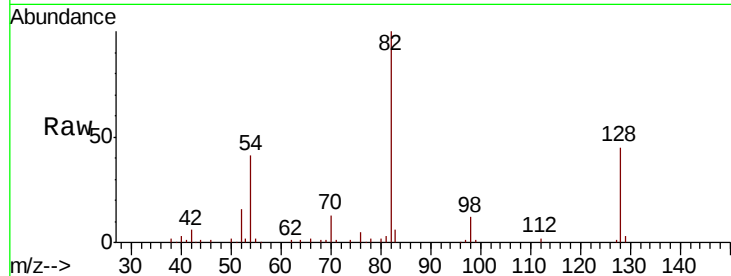
Tot Ion: 82 Resp: 78246

Ion Ratio Lower Upper

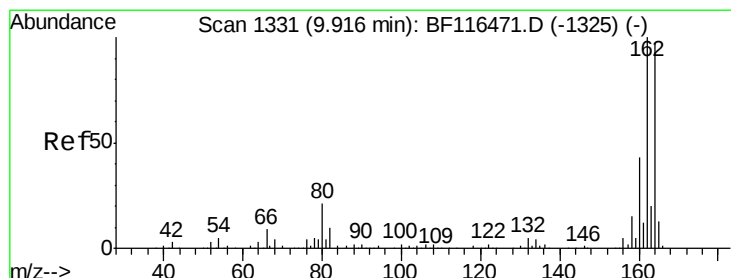
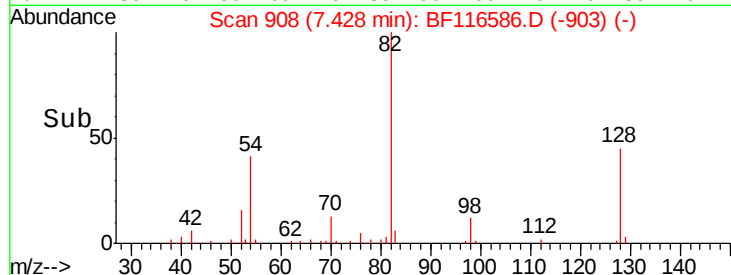
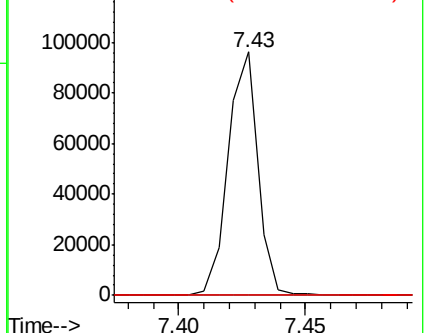
82 100

95 0.0 5.3 7.9#

138 0.0 13.3 19.9#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF116586.D

Acq: 27 Aug 2019 15:41

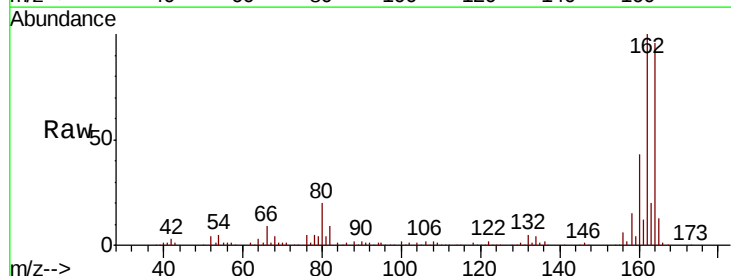
Tgt Ion: 164 Resp: 114431

Ion Ratio Lower Upper

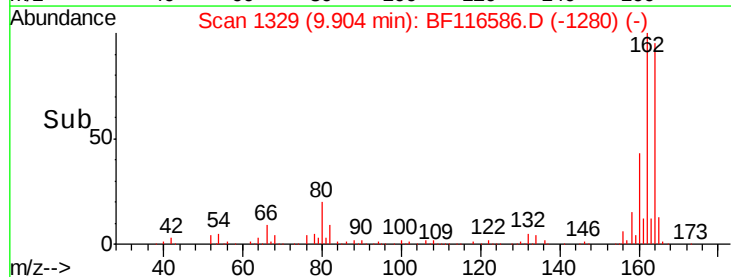
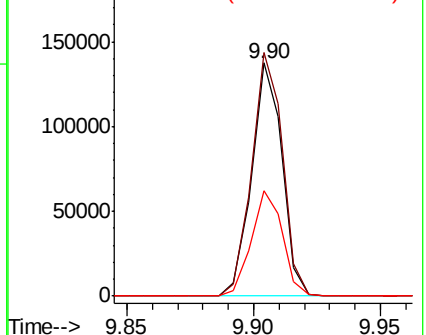
164 100

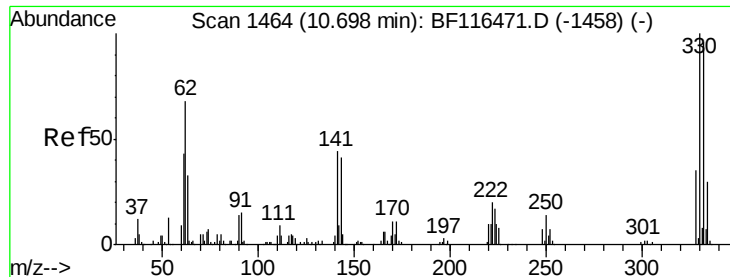
162 104.5 82.6 123.8

160 45.3 35.8 53.8



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

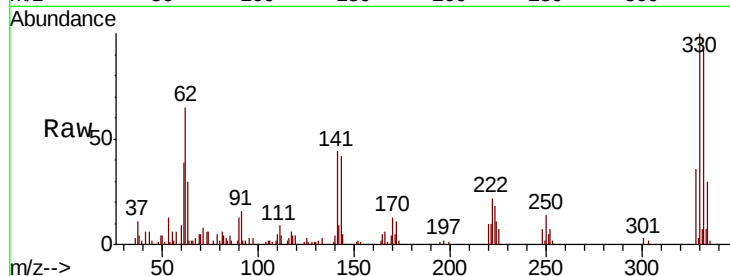




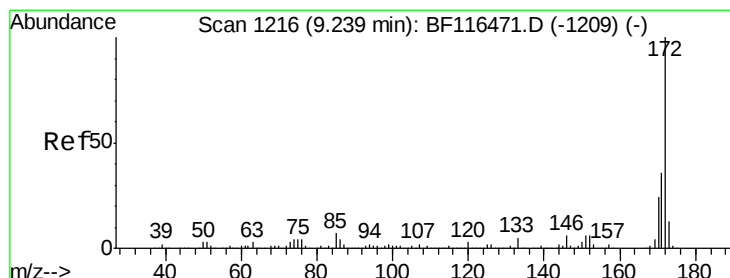
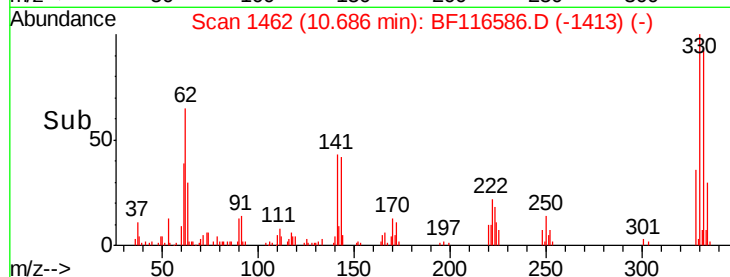
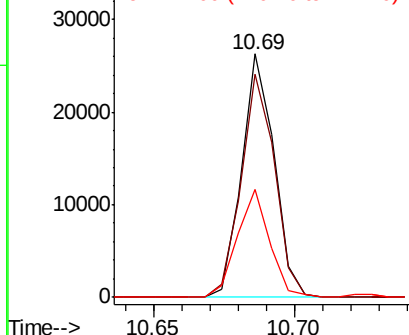
#42
 2,4,6-Tribromophenol
 Concen: 21.276 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF116586.D
 Acq: 27 Aug 2019 15:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.2	115.8
141	44.2	33.3	49.9

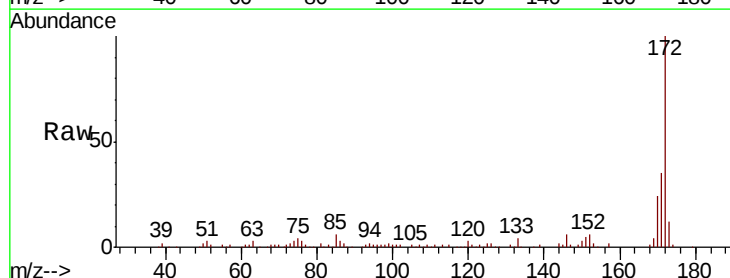


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

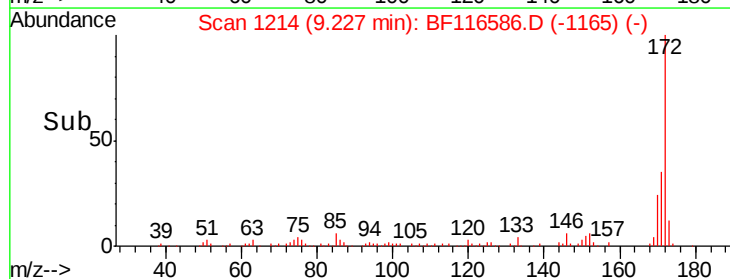
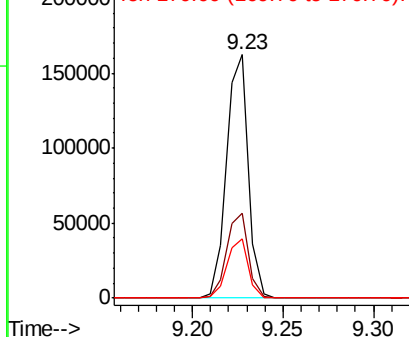


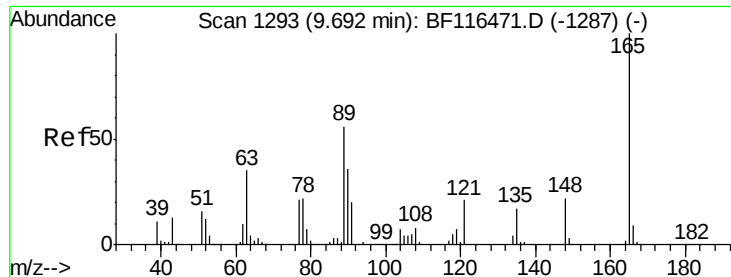
#45
 2-Fluorobiphenyl
 Concen: 19.140 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF116586.D
 Acq: 27 Aug 2019 15:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.9	43.3
170	24.2	19.4	29.0



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: 9.260 ng

RT: 9.90 min Scan# 1329

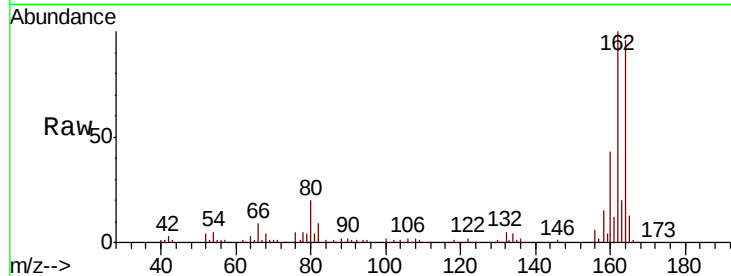
Delta R.T. 0.21 min

Lab File: BF116586.D

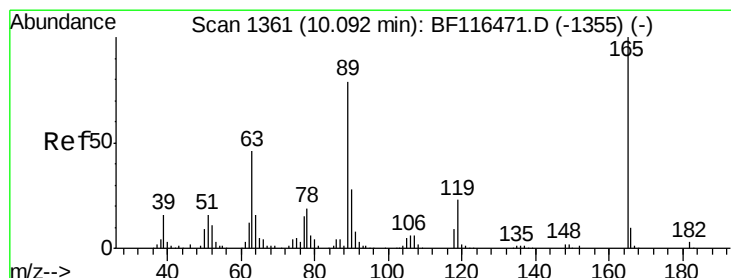
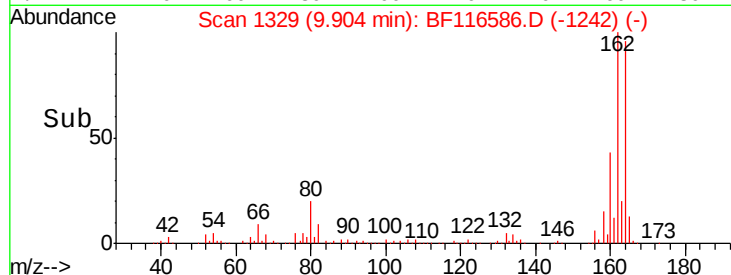
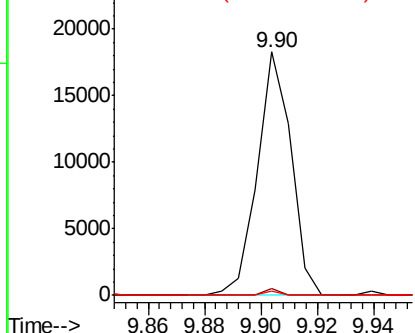
Acq: 27 Aug 2019 15:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	15133
Ion Ratio	Lower	Upper
165	100	
63	2.6	43.7 65.5#
89	1.7	45.1 67.7#



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: 7.277 ng

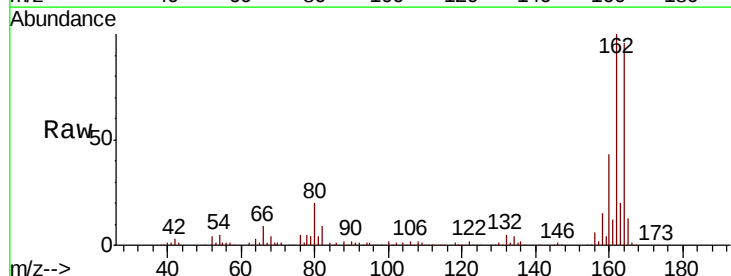
RT: 9.90 min Scan# 1329

Delta R.T. -0.19 min

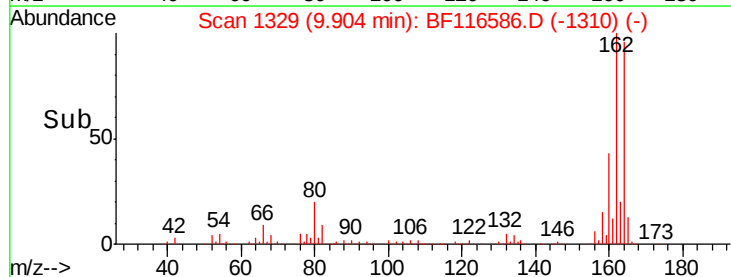
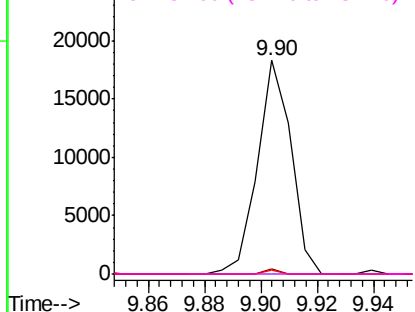
Lab File: BF116586.D

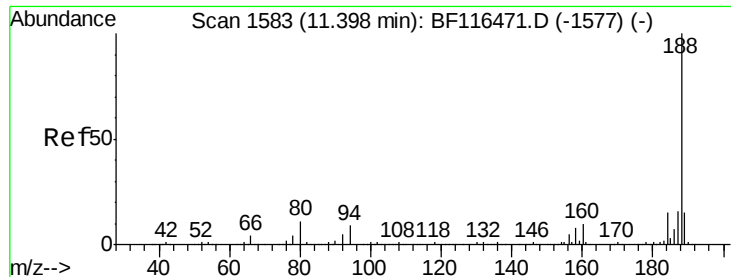
Acq: 27 Aug 2019 15:41

Tgt Ion:165	Resp:	15133
Ion Ratio	Lower	Upper
165	100	
63	2.6	36.9 55.3#
89	1.7	63.4 95.0#
182	0.0	2.1 3.1#



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

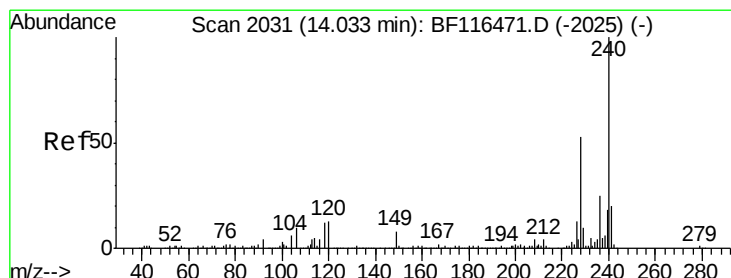
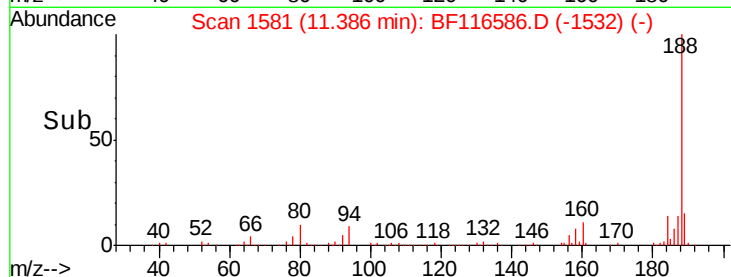
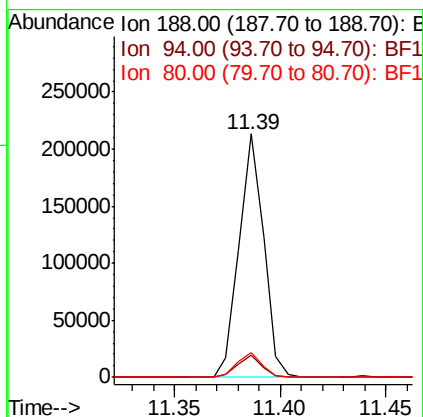
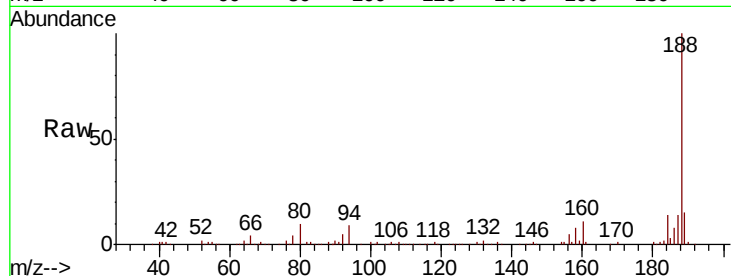




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116586.D
Acq: 27 Aug 2019 15:41

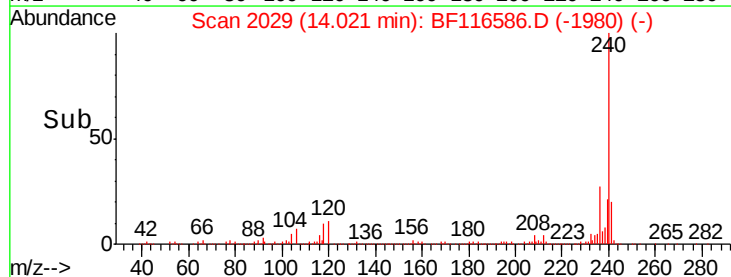
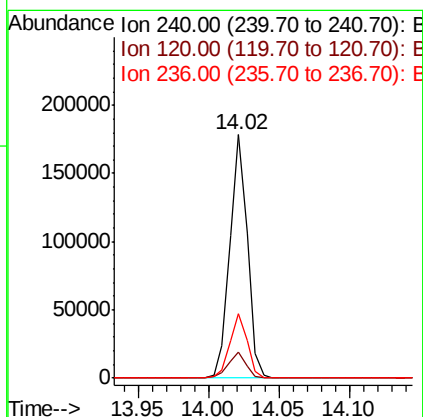
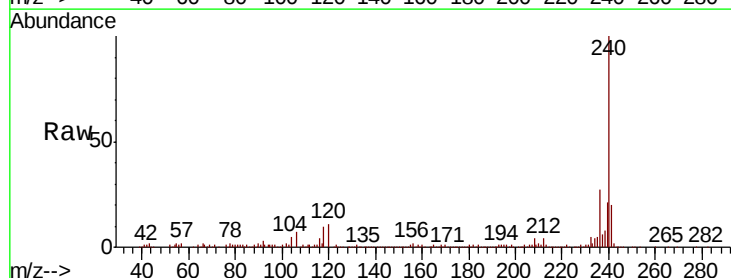
Instrument :
BNA_F
ClientSampled :

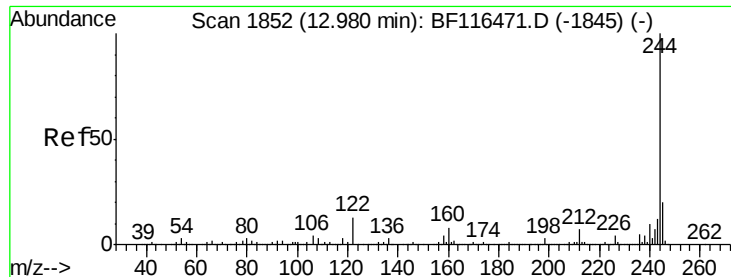
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.4	11.2
80	10.3	8.6	12.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116586.D
Acq: 27 Aug 2019 15:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	10.5	15.7
236	26.5	20.2	30.2

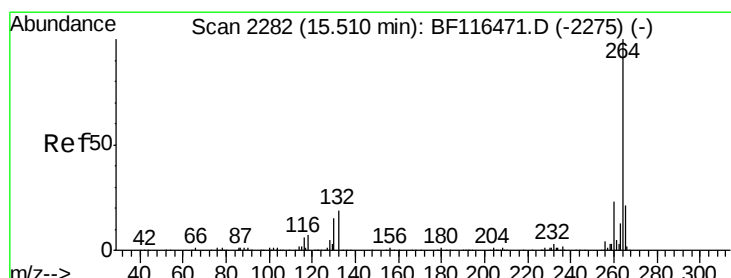
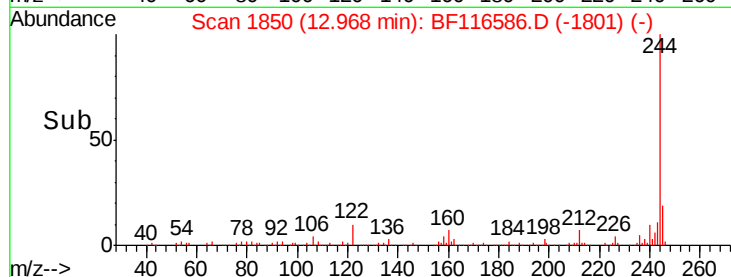
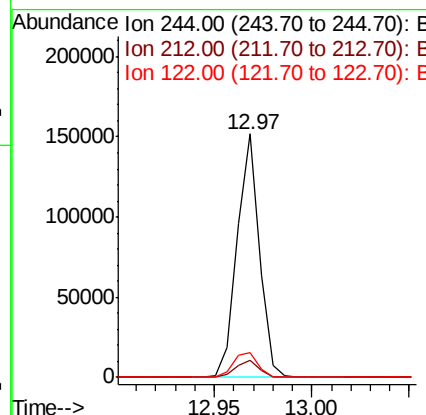
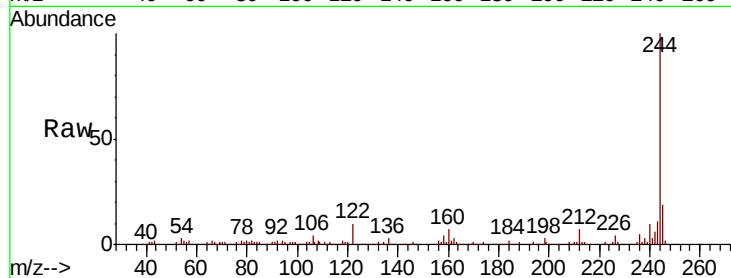




#79
 Terphenyl-d14
 Concen: 14.516 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF116586.D
 Acq: 27 Aug 2019 15:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	10.3	10.2	15.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. -0.02 min
 Lab File: BF116586.D
 Acq: 27 Aug 2019 15:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.8	28.2
265	21.6	17.1	25.7

