

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082319\
 Data File : BF116487.D
 Acq On : 23 Aug 2019 19:50
 Operator : HP/JU
 Sample : PB122453BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB122453BL

Quant Time: Aug 24 03:34:59 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

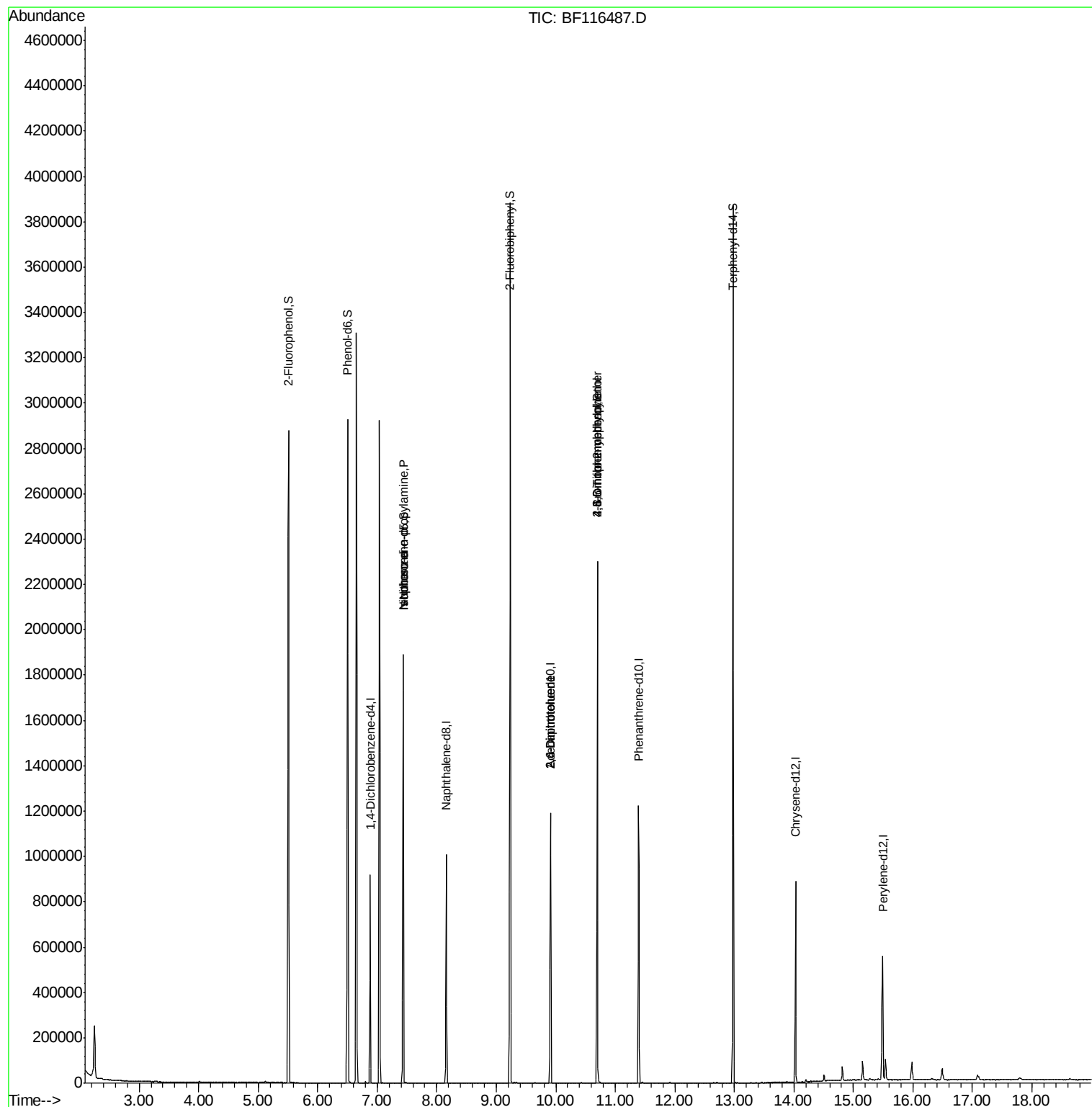
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	119877	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	469473	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	244097	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	410674	20.00	ng	0.00
76) Chrysene-d12	14.03	240	277281	20.00	ng	0.00
87) Perylene-d12	15.49	264	251347	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	811966	98.97	ng	0.01
7) Phenol-d6	6.50	99	1085931	107.95	ng	0.00
23) Nitrobenzene-d5	7.44	82	676041	78.78	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	242853	115.87	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1242140	81.95	ng	0.00
79) Terphenyl-d14	12.98	244	1229575	82.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	91136	13.277	ng	# 76
25) Isophorone	7.44	82	675691	39.957	ng	# 67
51) 2,6-Dinitrotoluene	9.91	165	30421	8.727	ng	# 25
57) 2,4-Dinitrotoluene	9.91	165	30421	6.858	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.70	198	433	7.225	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	16282	3.782	ng	# 1

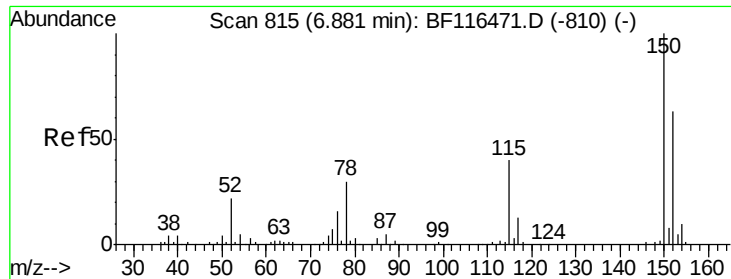
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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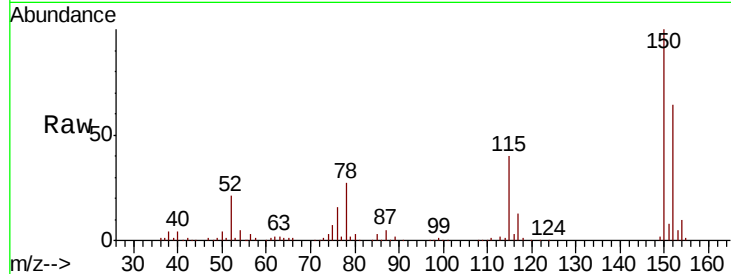


#1

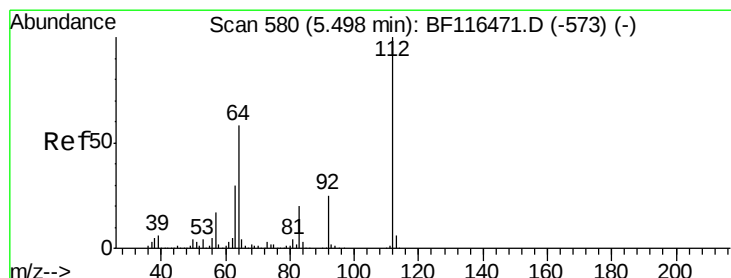
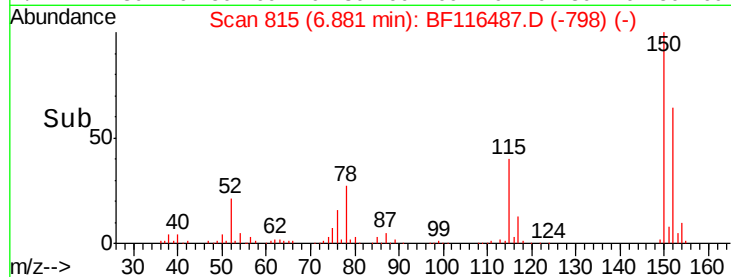
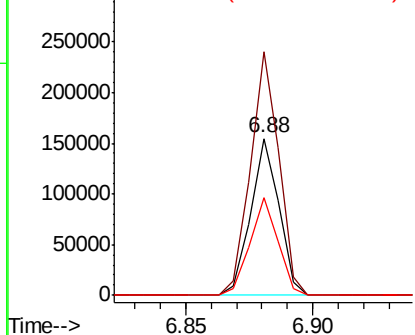
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF116487.D
Acq: 23 Aug 2019 19:50

Instrument :
BNA_F
ClientSampleId :
PB122453BL

Tgt Ion:152 Resp: 119877
Ion Ratio Lower Upper
152 100
150 155.2 126.7 190.1
115 62.4 50.9 76.3



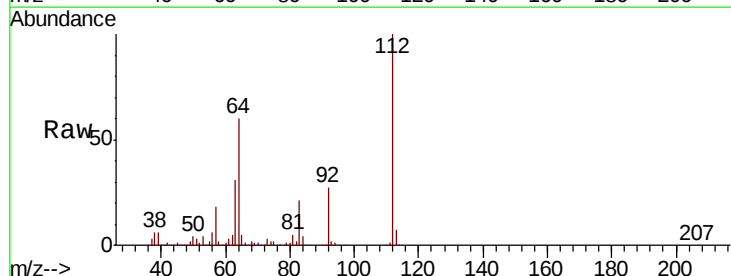
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



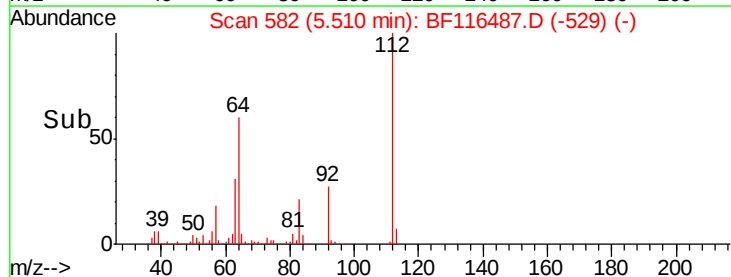
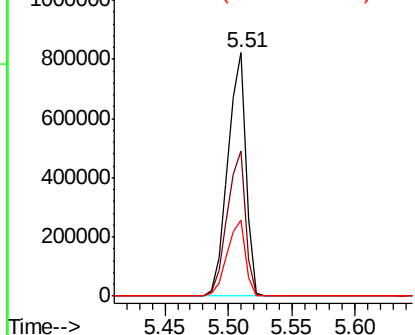
#5

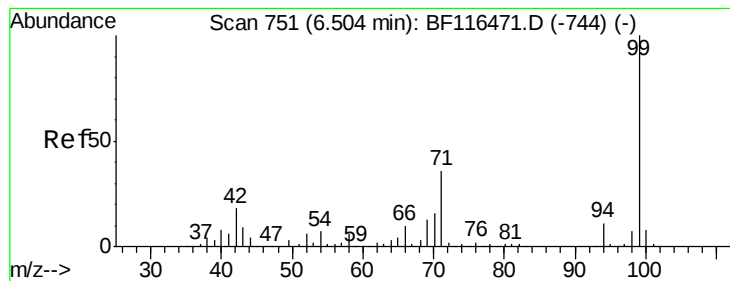
2-Fluorophenol
Concen: 98.968 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116487.D
Acq: 23 Aug 2019 19:50

Tgt Ion:112 Resp: 811966
Ion Ratio Lower Upper
112 100
64 59.5 46.3 69.5
63 31.2 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: 107.949 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116487.D

Acq: 23 Aug 2019 19:50

Instrument :

BNA_F

ClientSampled :

PB122453BL

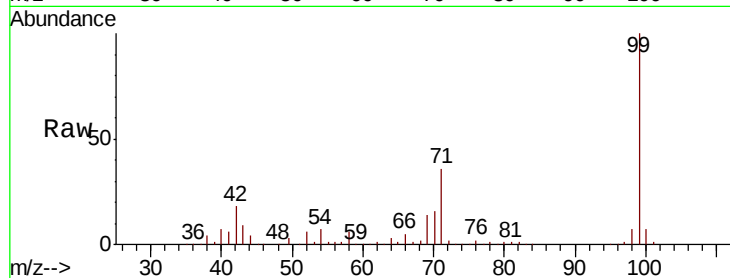
Tgt Ion: 99 Resp: 1085931

Ion Ratio Lower Upper

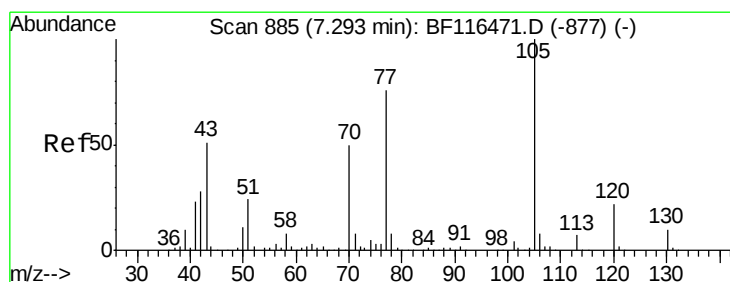
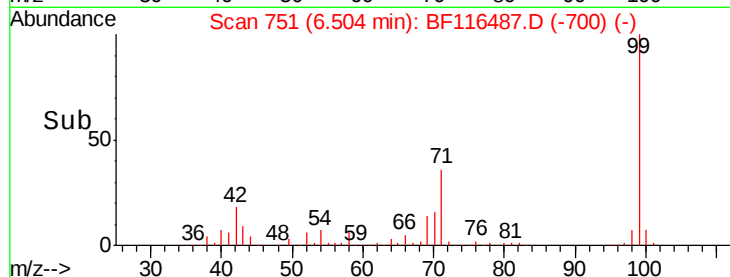
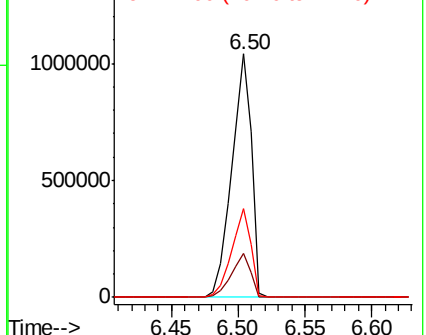
99 100

42 18.0 14.6 21.8

71 36.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.277 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116487.D

Acq: 23 Aug 2019 19:50

Tgt Ion: 70 Resp: 91136

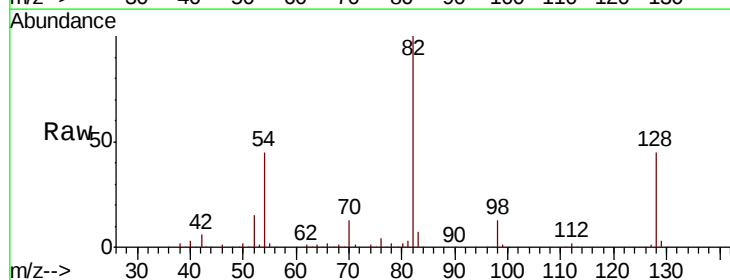
Ion Ratio Lower Upper

70 100

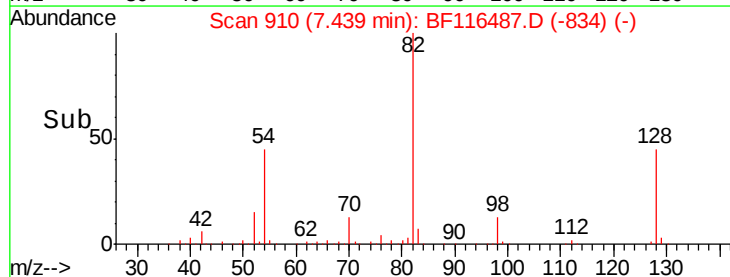
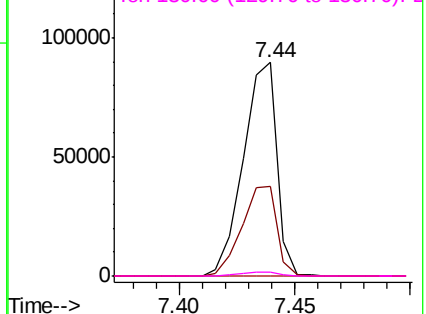
42 42.2 44.4 66.6#

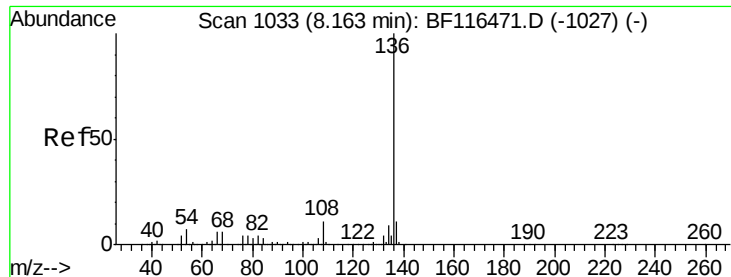
101 0.0 7.1 10.7#

130 1.9 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

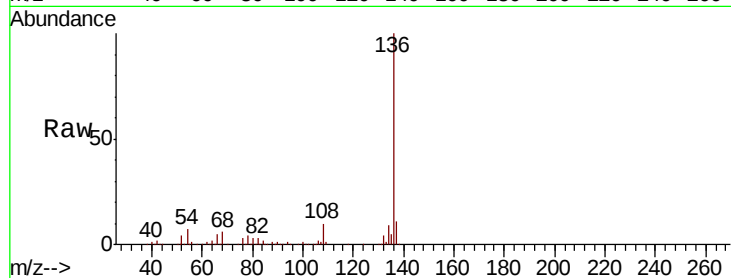




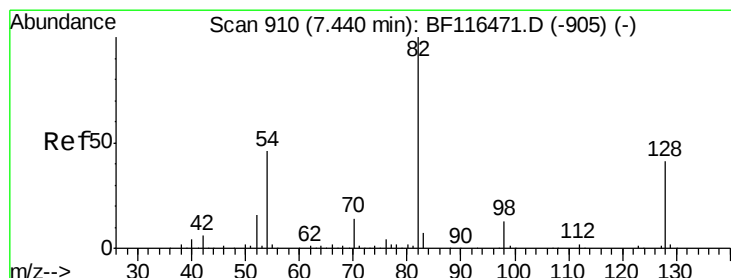
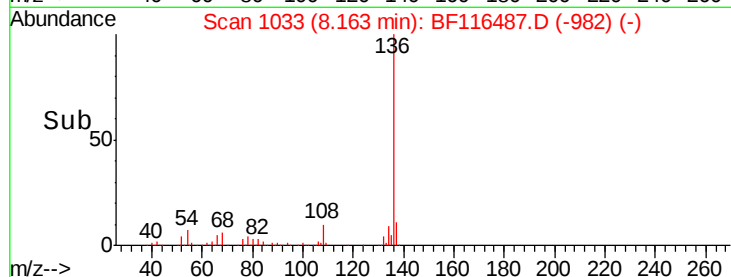
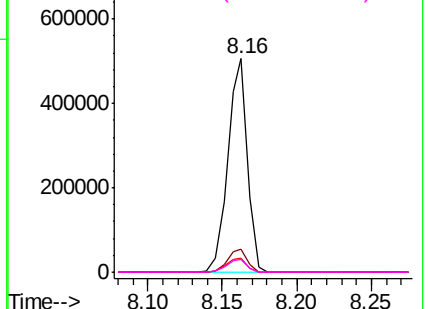
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF116487.D
Acq: 23 Aug 2019 19:50

Instrument :
BNA_F
ClientSampleId :
PB122453BL

Tgt Ion:	136	Resp:	469473
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.8	5.8	8.6
68	6.0	5.1	7.7

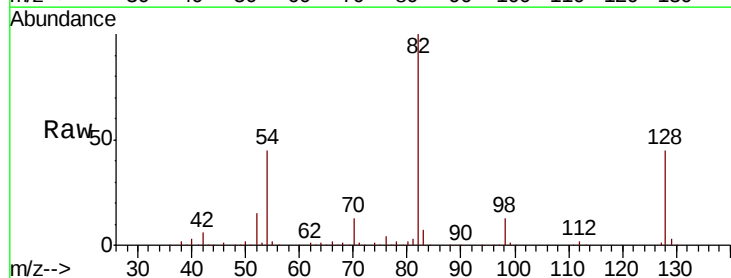


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

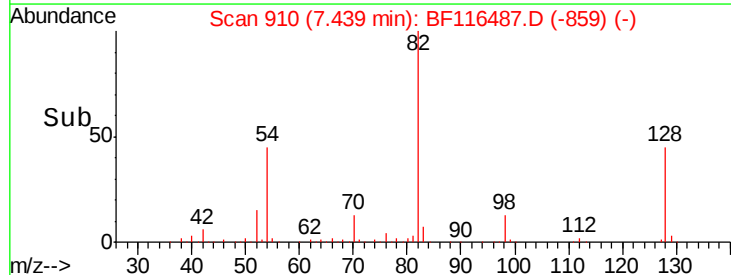
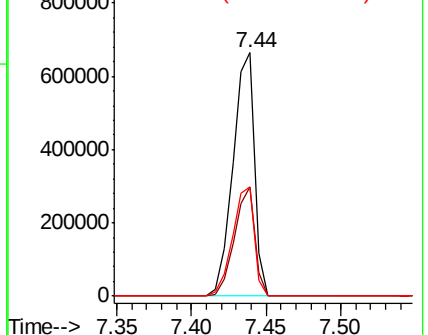


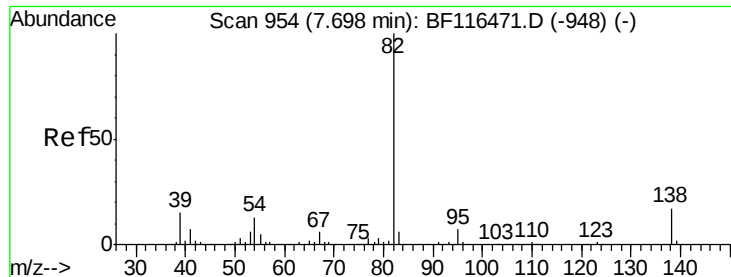
#23
Nitrobenzene-d5
Concen: 78.782 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116487.D
Acq: 23 Aug 2019 19:50

Tgt Ion:	82	Resp:	676041
Ion	Ratio	Lower	Upper
82	100		
128	44.9	32.2	48.4
54	44.7	36.5	54.7



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: 39.957 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116487.D

Acq: 23 Aug 2019 19:50

Instrument :

BNA_F

ClientSampleId :

PB122453BL

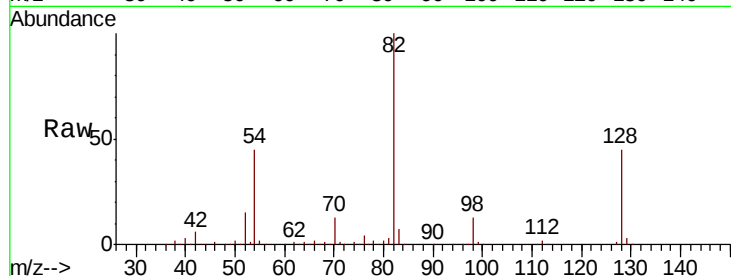
Tgt Ion: 82 Resp: 675691

Ion Ratio Lower Upper

82 100

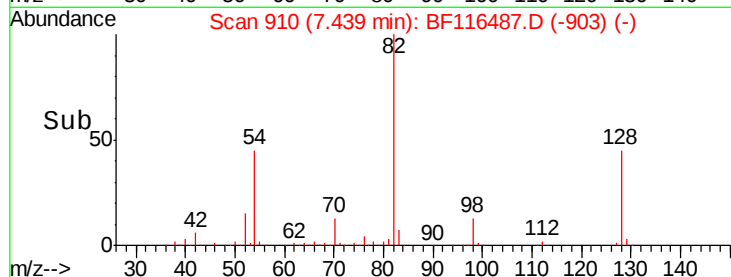
95 0.0 5.3 7.9#

138 0.0 13.3 19.9#

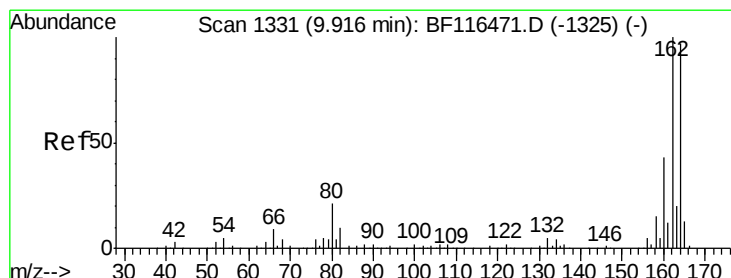


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E

7.44



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF116487.D

Acq: 23 Aug 2019 19:50

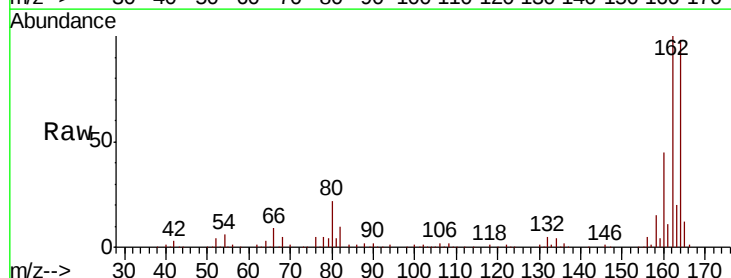
Tgt Ion: 164 Resp: 244097

Ion Ratio Lower Upper

164 100

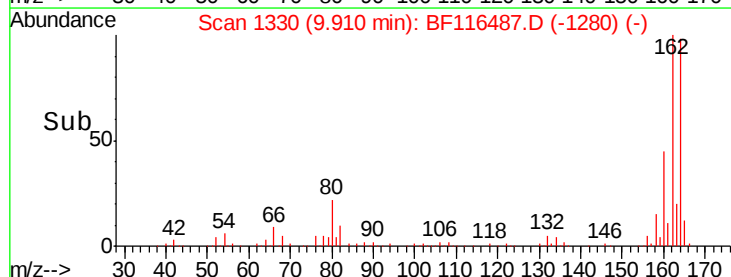
162 102.3 82.6 123.8

160 46.1 35.8 53.8

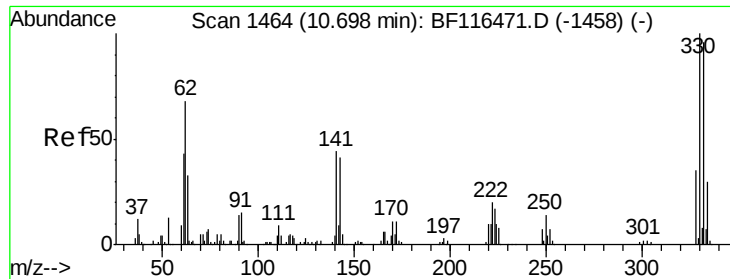


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

9.91



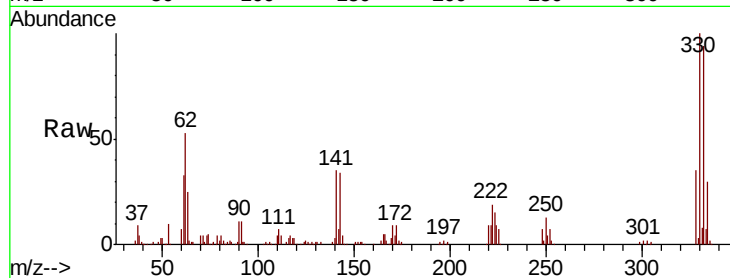
Time-->



#42
 2,4,6-Tribromophenol
 Concen: 115.865 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116487.D
 Acq: 23 Aug 2019 19:50

Instrument :
 BNA_F
 ClientSampleId :
 PB122453BL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.2	115.8
141	38.3	33.3	49.9

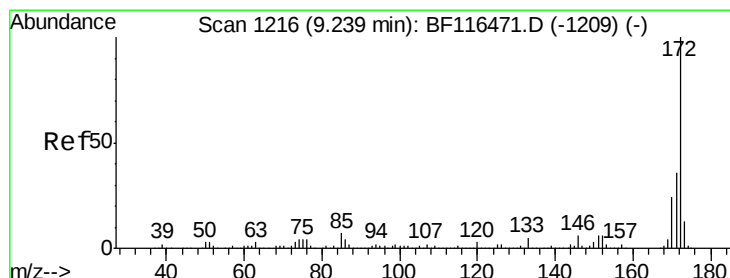
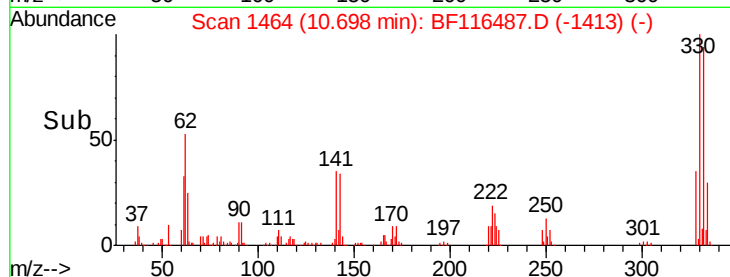
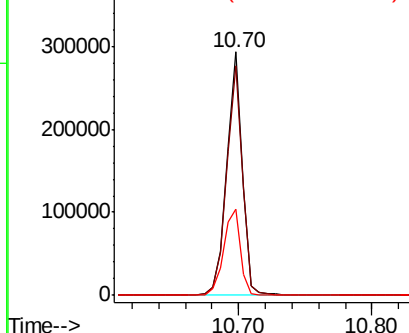


Abundance

Ion 329.80 (329.50 to 330.50): E

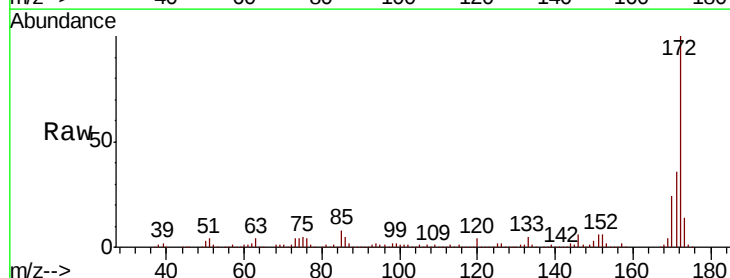
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 81.949 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF116487.D
 Acq: 23 Aug 2019 19:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	24.2	19.4	29.0

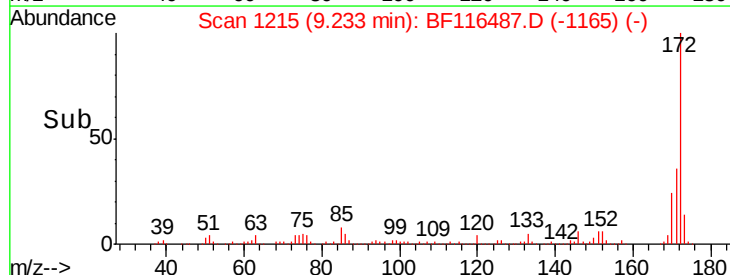
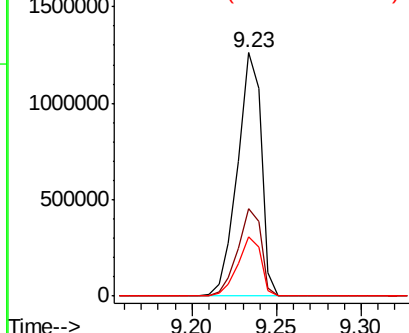


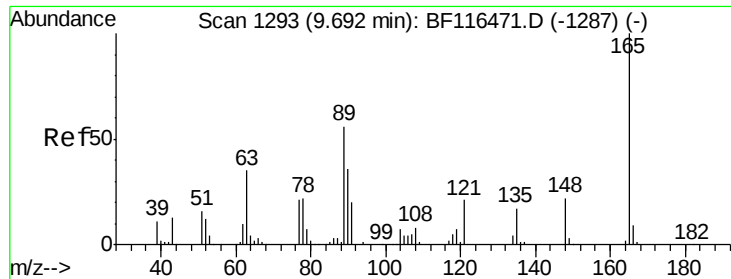
Abundance

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

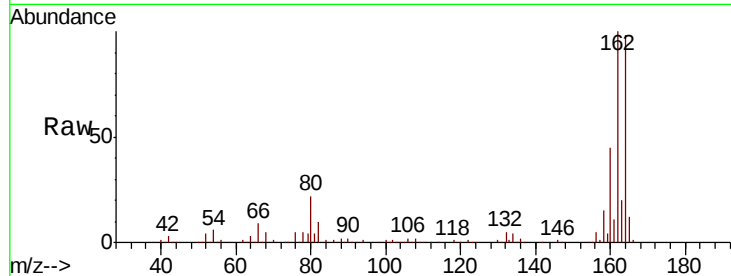




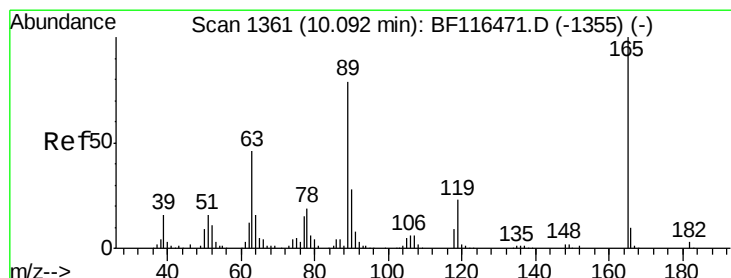
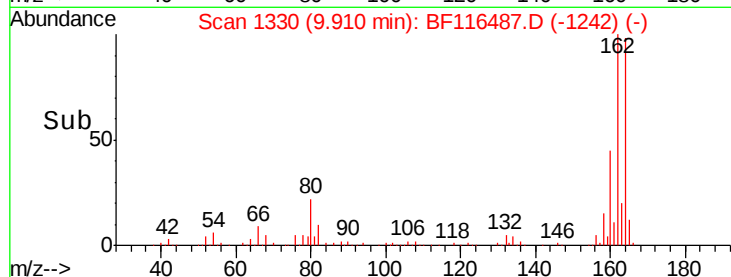
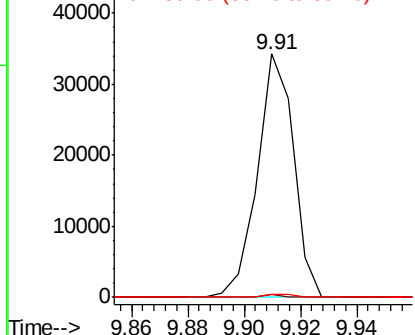
#51
 2,6-Dinitrotoluene
 Concen: 8.727 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.22 min
 Lab File: BF116487.D
 Acq: 23 Aug 2019 19:50

Instrument :
 BNA_F
 ClientSampleId :
 PB122453BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	43.7	65.5#
89	1.3	45.1	67.7#



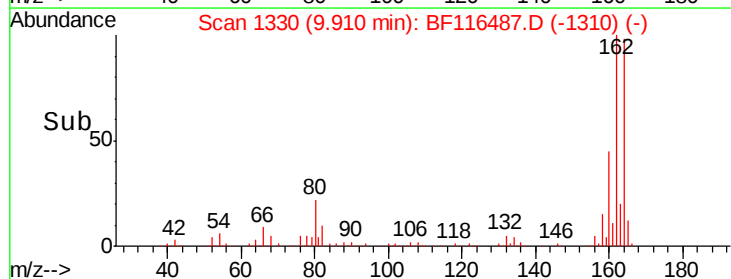
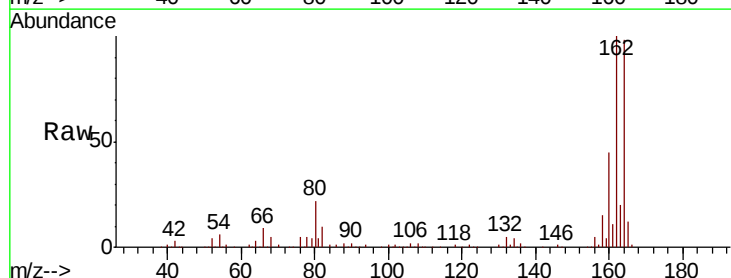
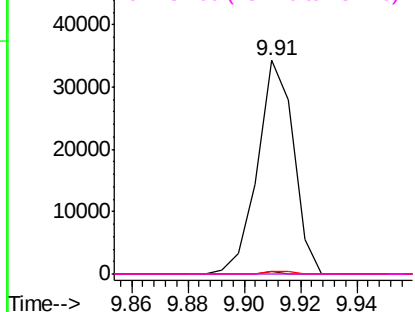
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

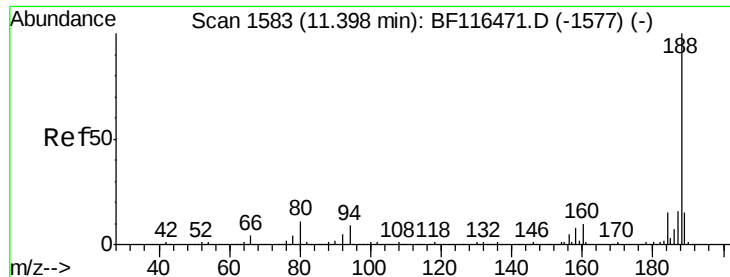


#57
 2,4-Dinitrotoluene
 Concen: 6.858 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.18 min
 Lab File: BF116487.D
 Acq: 23 Aug 2019 19:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.9	55.3#
89	1.3	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# 1582

Delta R.T. -0.01 min

Lab File: BF116487.D

Acq: 23 Aug 2019 19:50

Instrument :

BNA_F

ClientSampleId :

PB122453BL

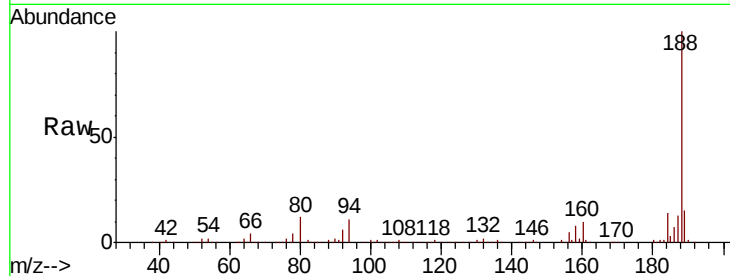
Tgt Ion:188 Resp: 410674

Ion Ratio Lower Upper

188 100

94 10.9 7.4 11.2

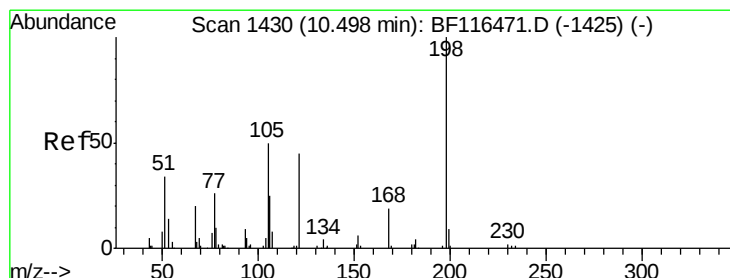
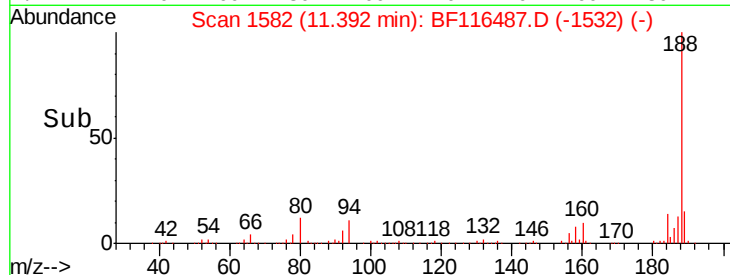
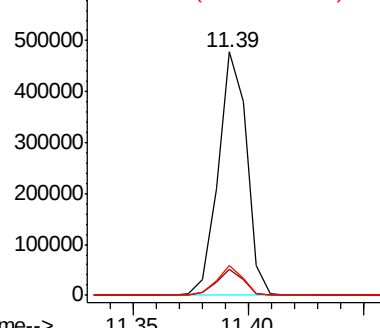
80 12.4 8.6 12.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.225 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.20 min

Lab File: BF116487.D

Acq: 23 Aug 2019 19:50

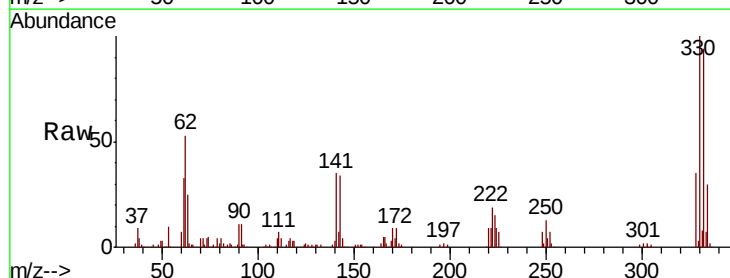
Tgt Ion:198 Resp: 433

Ion Ratio Lower Upper

198 100

51 198.4 30.4 70.4#

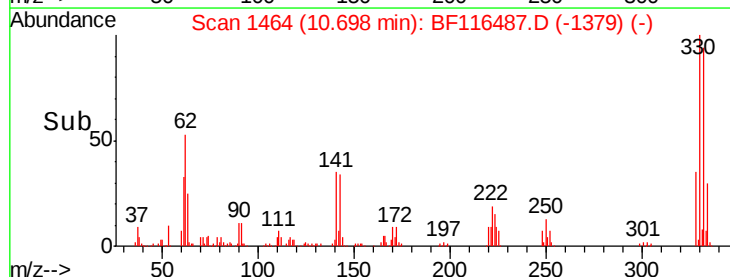
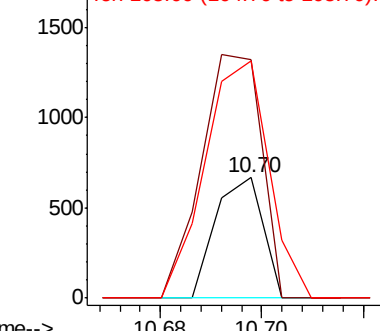
105 196.7 32.8 72.8#

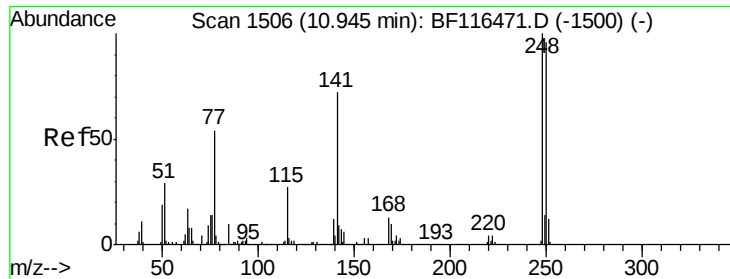


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

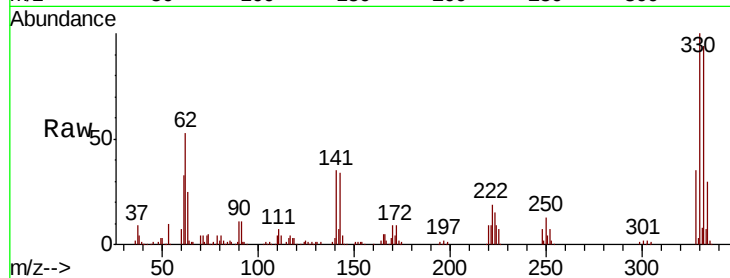




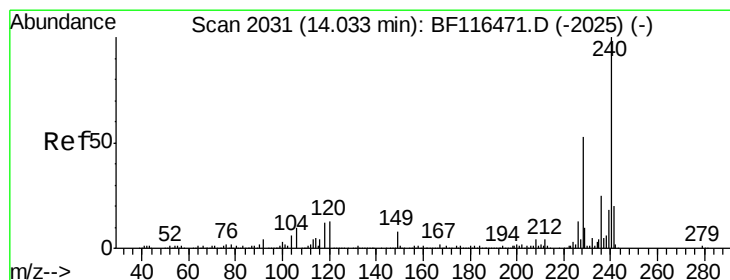
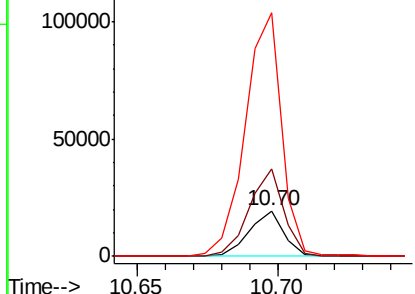
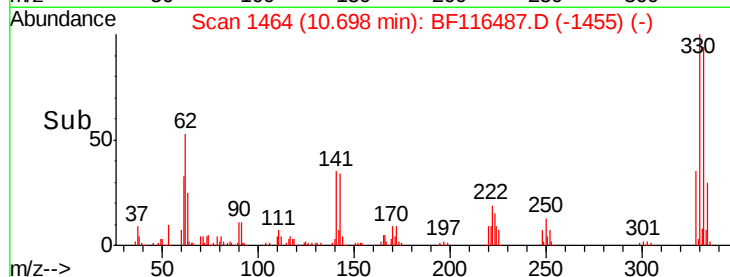
#67
4-Bromophenyl-phenylether
Concen: 3.782 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF116487.D
Acq: 23 Aug 2019 19:50

Instrument :
BNA_F
ClientSampled :
PB122453BL

Tgt Ion:248 Resp: 16282
Ion Ratio Lower Upper
248 100
250 194.2 77.0 115.6#
141 538.4 57.4 86.0#

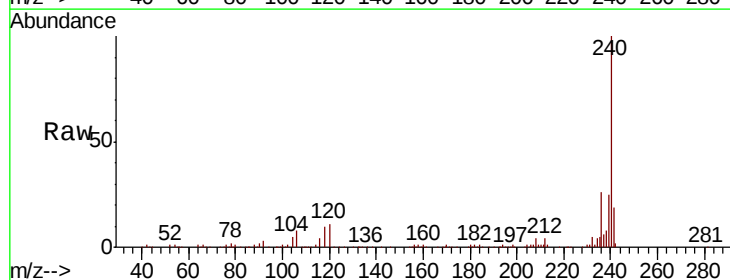


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

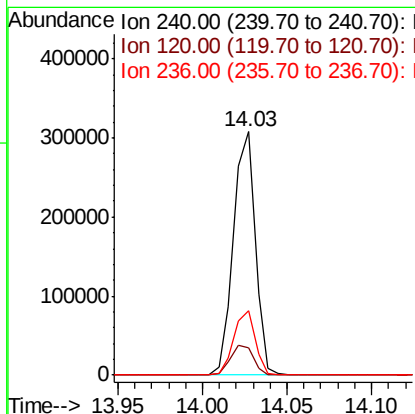
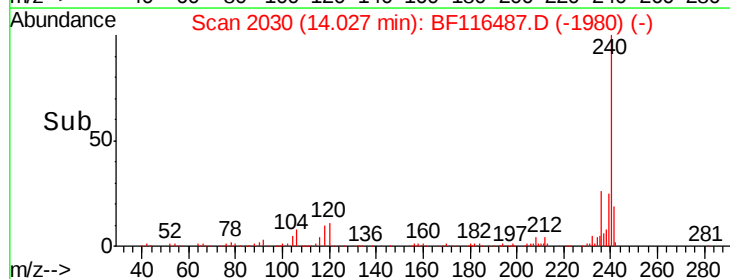


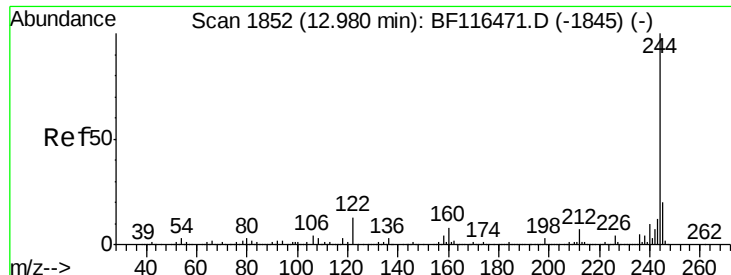
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116487.D
Acq: 23 Aug 2019 19:50

Tgt Ion:240 Resp: 277281
Ion Ratio Lower Upper
240 100
120 11.1 10.5 15.7
236 26.3 20.2 30.2



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

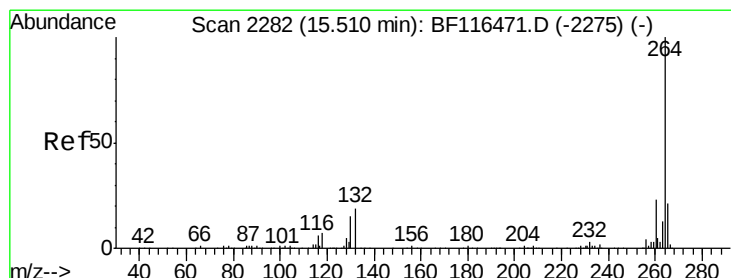
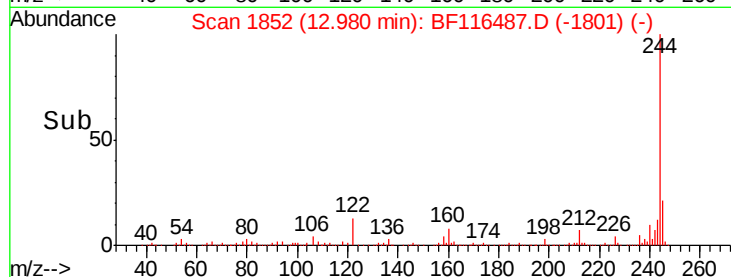
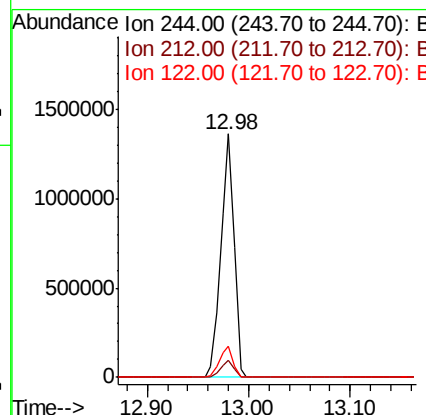
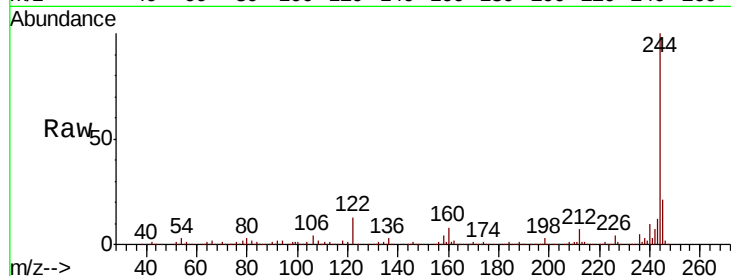




#79
 Terphenyl-d14
 Concen: 82.830 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BF116487.D
 Acq: 23 Aug 2019 19:50

Instrument :
 BNA_F
 ClientSampleId :
 PB122453BL

Tgt Ion:244 Resp: 1229575
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 12.9 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: BF116487.D
 Acq: 23 Aug 2019 19:50

Tgt Ion:264 Resp: 251347
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.8 28.2
 265 22.1 17.1 25.7

