

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090919\
 Data File : BF116897.D
 Acq On : 9 Sep 2019 15:31
 Operator : HP/JU
 Sample : PB122916BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 09 16:38:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

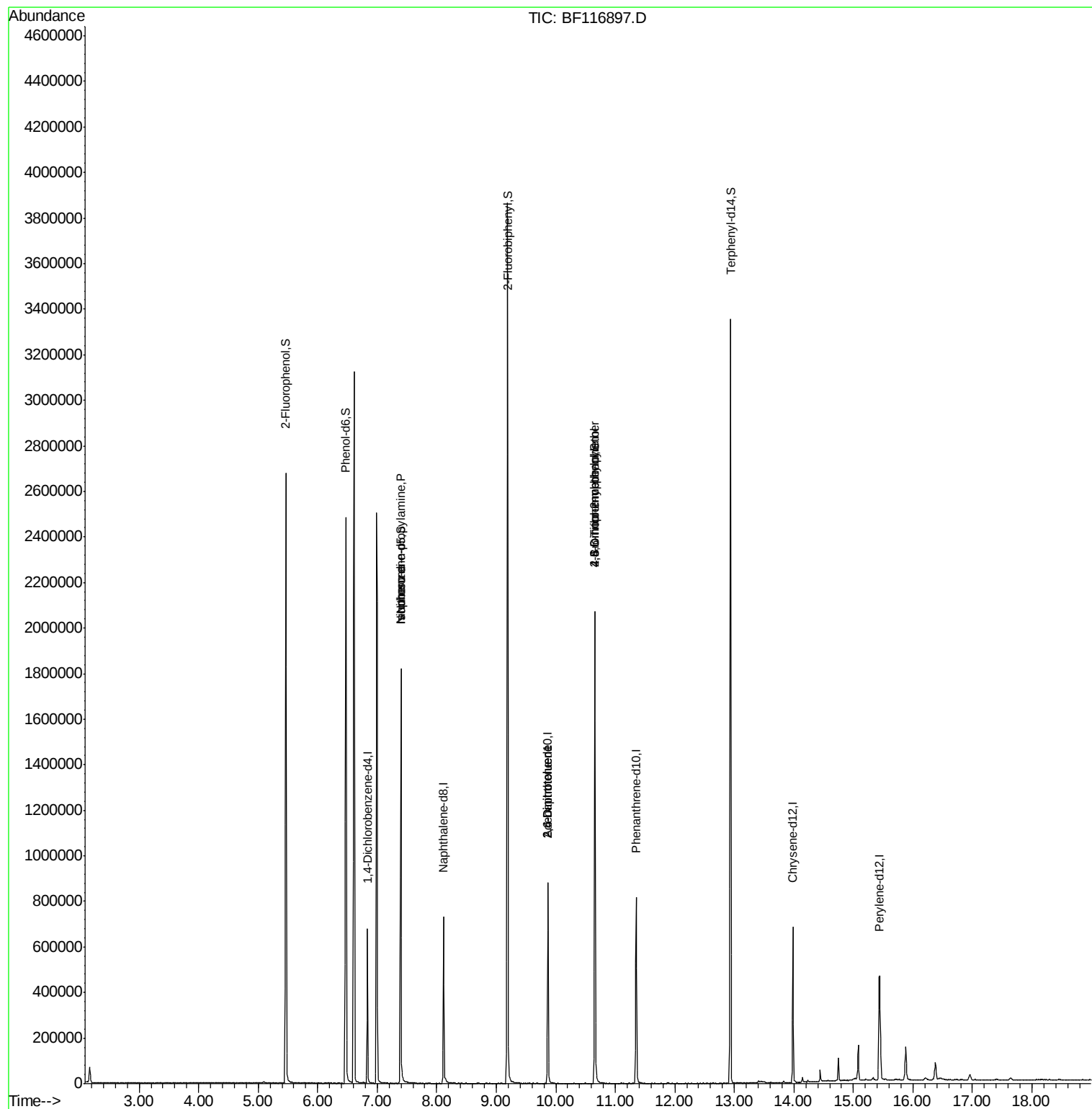
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	99405	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	385278	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	196989	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	319709	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	240750	20.00	ng	-0.01
87) Perylene-d12	15.43	264	222315	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	875609	142.70	ng	0.00
7) Phenol-d6	6.47	99	1167192	144.86	ng	0.00
23) Nitrobenzene-d5	7.40	82	730652	108.26	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	249424	189.40	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1272240	108.95	ng	-0.02
79) Terphenyl-d14	12.94	244	1239394	95.24	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	97990	18.471	ng	# 73
25) Isophorone	7.40	82	730641	53.426	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	24950	9.615	ng	# 20
57) 2,4-Dinitrotoluene	9.87	165	24950	7.864	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.66	198	520	7.824	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	15983	4.921	ng	# 1

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

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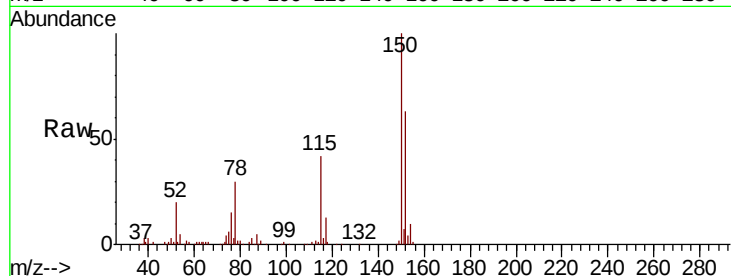


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF116897.D
Acq: 9 Sep 2019 15:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.4	186.6
115	67.0	49.9	74.9

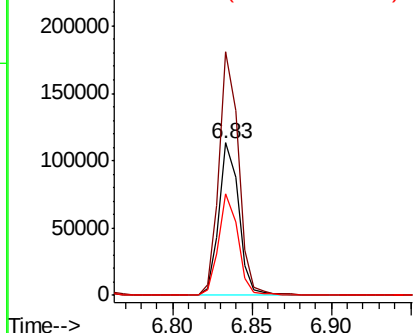
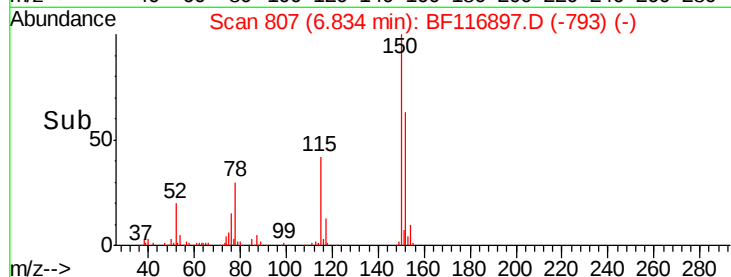


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

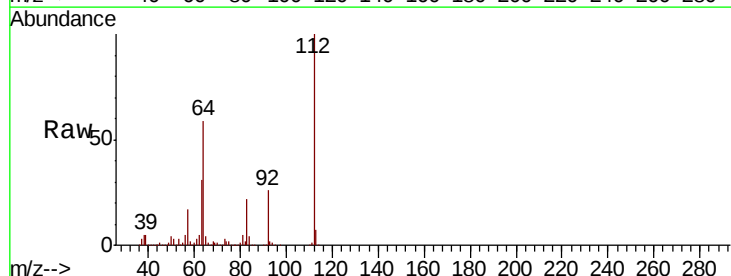
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 142.703 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116897.D
Acq: 9 Sep 2019 15:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.1	70.7
63	31.2	24.9	37.3

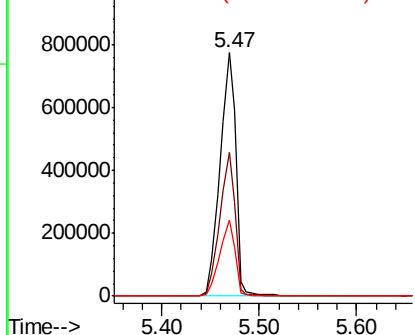
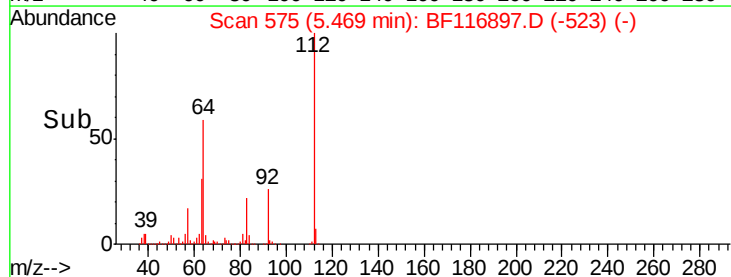


Abundance

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: 144.865 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116897.D

Acq: 9 Sep 2019 15:31

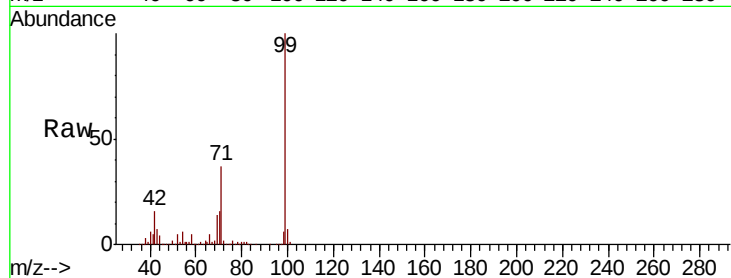
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1167192

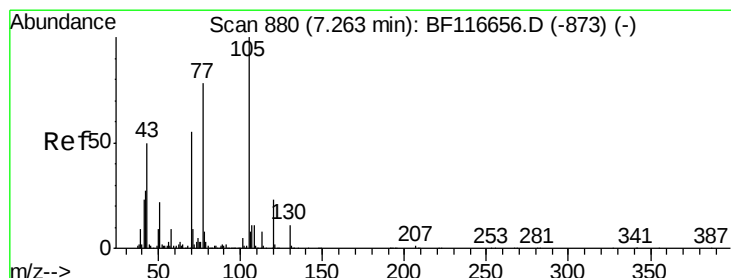
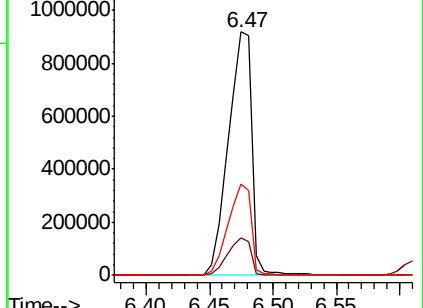
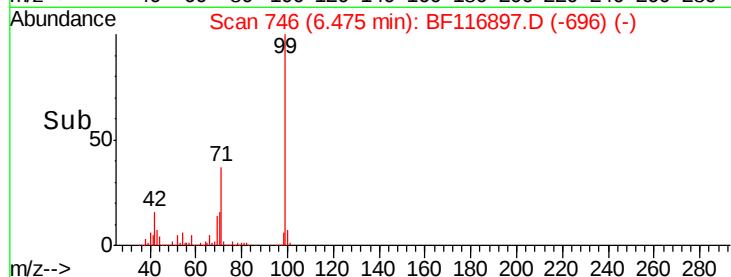
Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.7	20.5
71	37.5	30.8	46.2



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: 18.471 ng

RT: 7.40 min Scan# 903

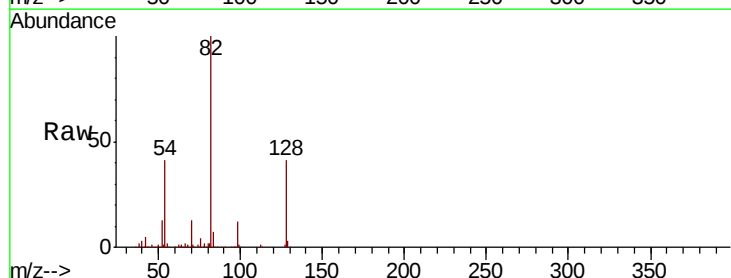
Delta R.T. 0.14 min

Lab File: BF116897.D

Acq: 9 Sep 2019 15:31

Tgt Ion: 70 Resp: 97990

Ion	Ratio	Lower	Upper
70	100		
42	38.2	43.5	65.3#
101	0.0	7.8	11.6#
130	2.1	16.6	24.8#

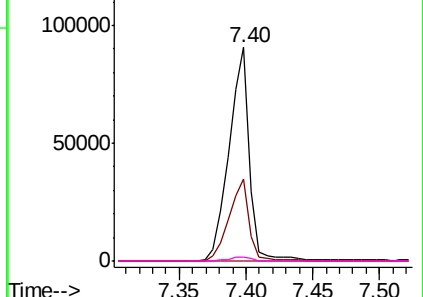
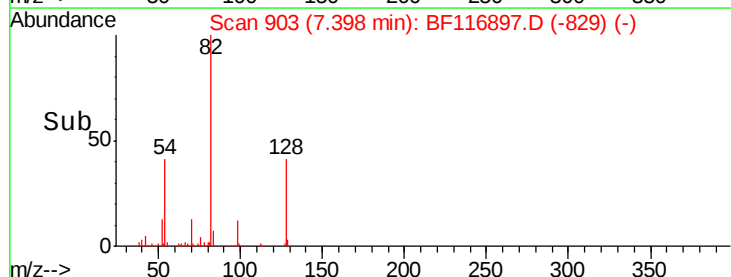


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): 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. -0.02 min

Lab File: BF116897.D

Acq: 9 Sep 2019 15:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 385278

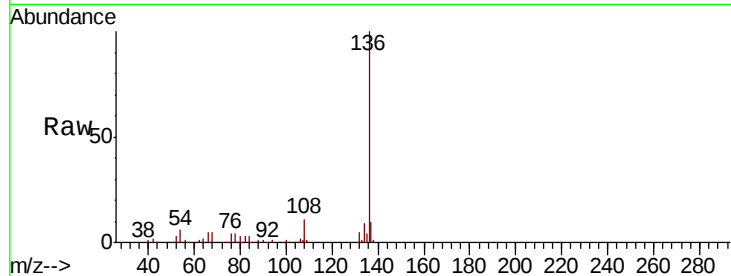
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 5.7 4.8 7.2

68 4.7 4.0 6.0

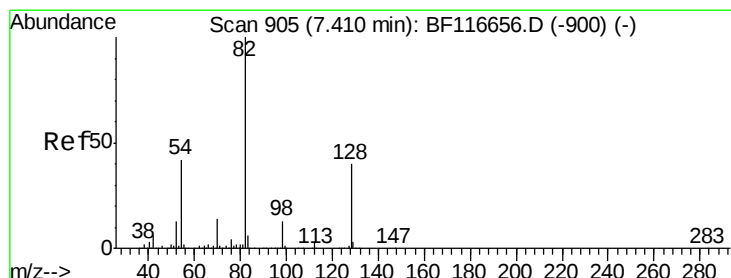
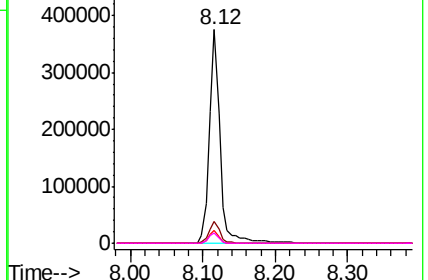
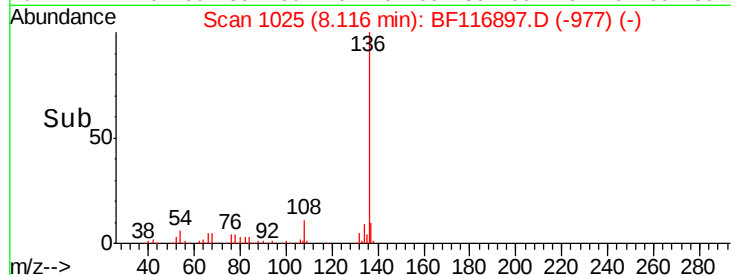


Abundance Ion 136.00 (135.70 to 136.70): E

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: 108.262 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF116897.D

Acq: 9 Sep 2019 15:31

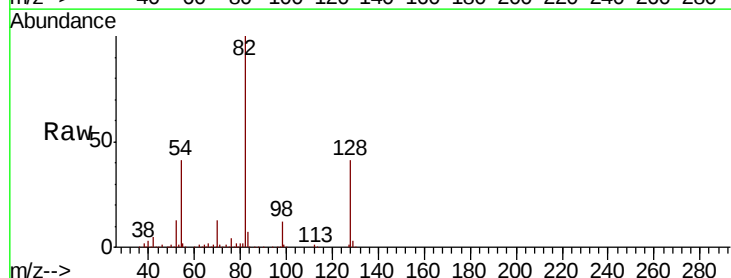
Tgt Ion: 82 Resp: 730652

Ion Ratio Lower Upper

82 100

128 41.4 32.8 49.2

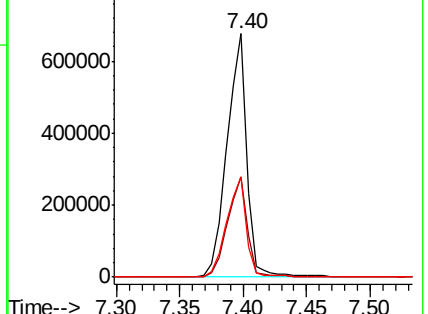
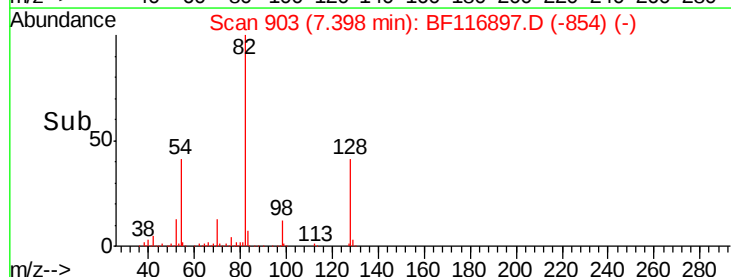
54 41.2 36.9 55.3

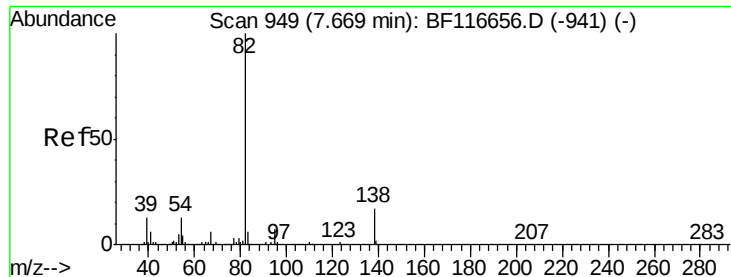


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.426 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116897.D

Acq: 9 Sep 2019 15:31

Instrument :

BNA_F

ClientSampleId :

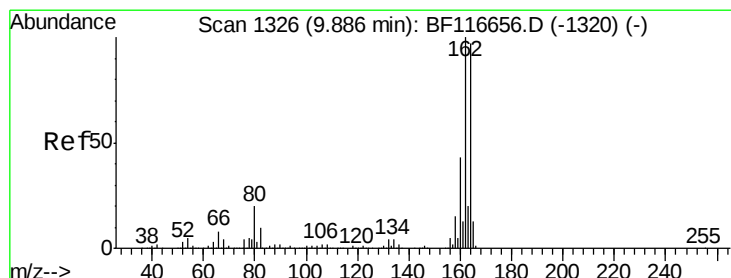
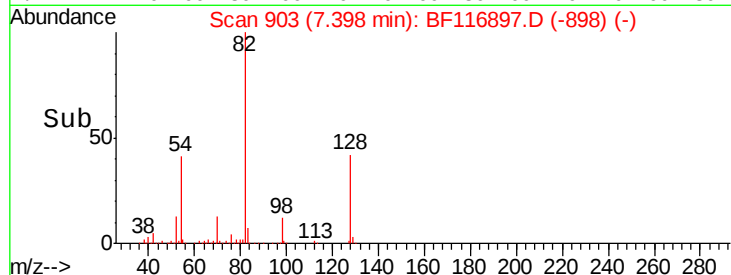
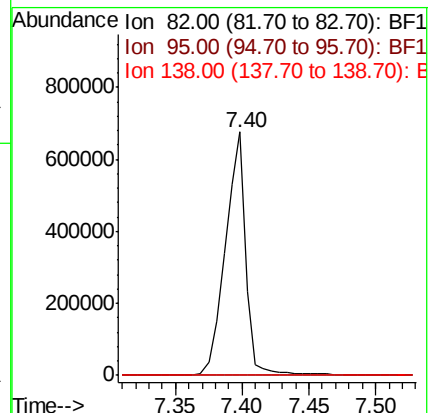
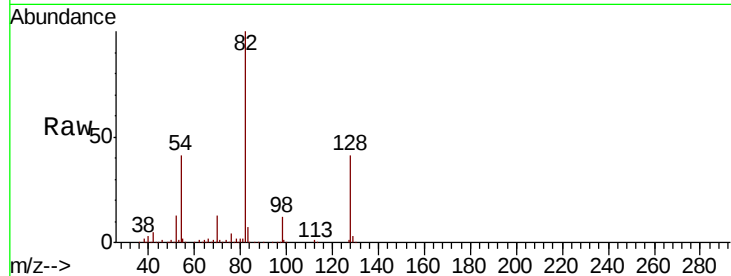
Tot Ion: 82 Resp: 730641

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116897.D

Acq: 9 Sep 2019 15:31

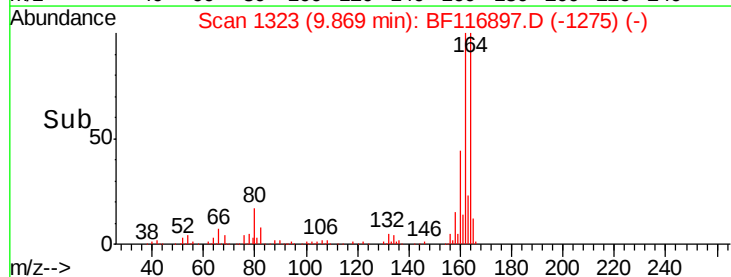
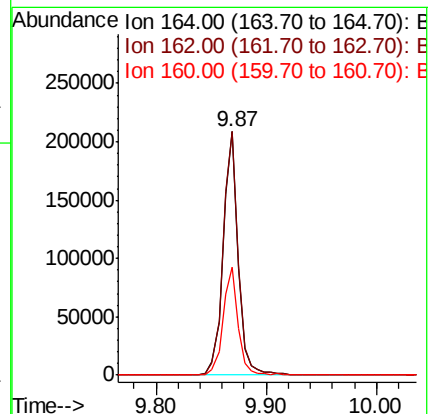
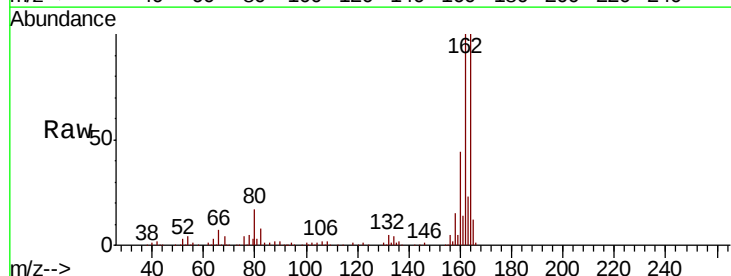
Tgt Ion: 164 Resp: 196989

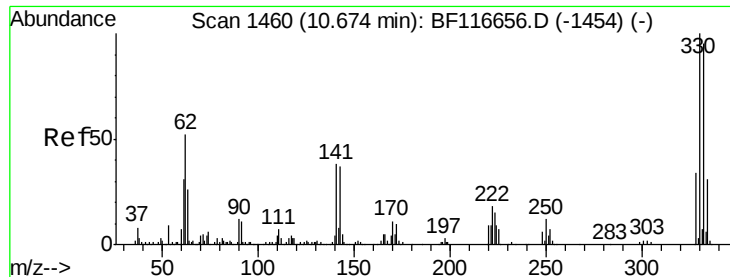
Ion Ratio Lower Upper

164 100

162 100.2 81.4 122.0

160 44.2 35.4 53.2

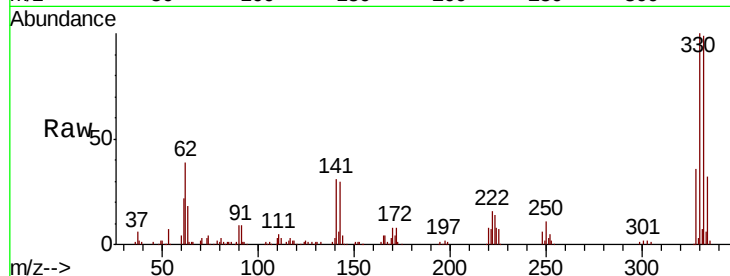




#42
 2,4,6-Tribromophenol
 Concen: 189.400 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116897.D
 Acq: 9 Sep 2019 15:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.9	115.3
141	43.7	31.4	47.2

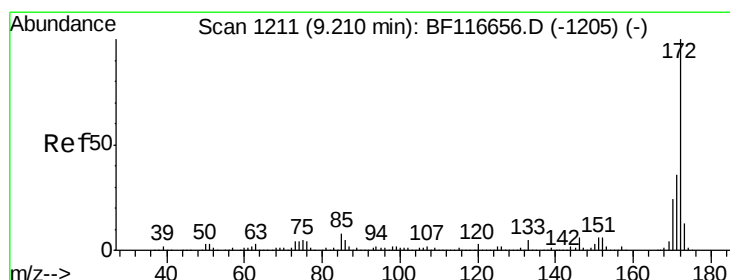
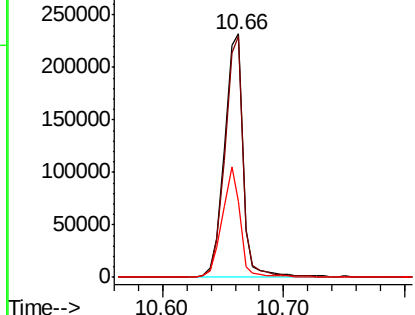
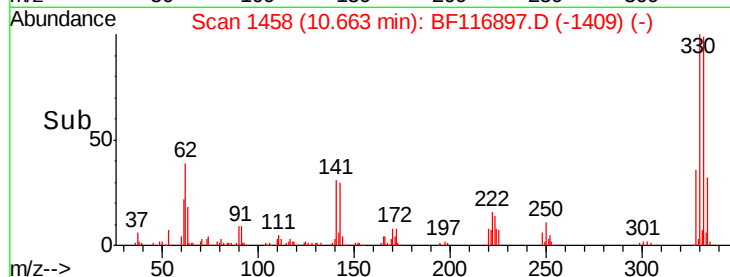


Abundance

Ion 329.80 (329.50 to 330.50): E

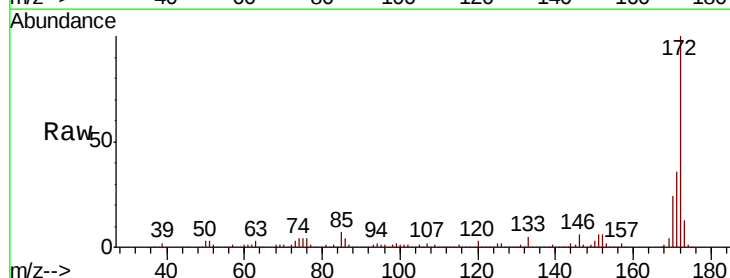
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 108.947 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: BF116897.D
 Acq: 9 Sep 2019 15:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.8	41.6
170	23.6	18.9	28.3

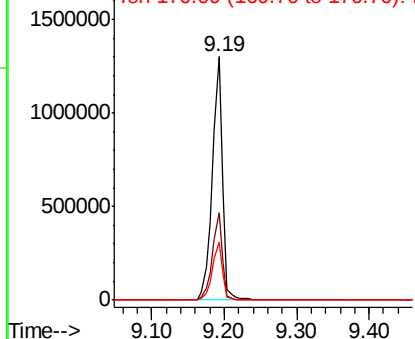
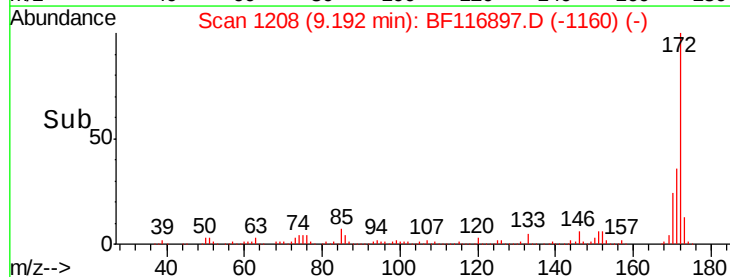


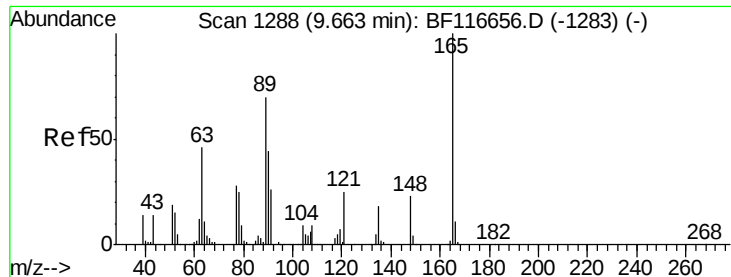
Abundance

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: 9.615 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.21 min

Lab File: BF116897.D

Acq: 9 Sep 2019 15:31

Instrument :

BNA_F

ClientSampleId :

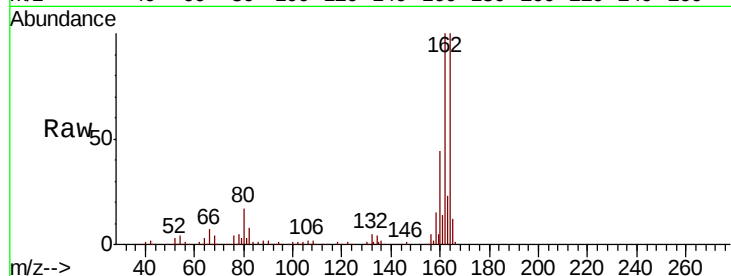
Tot Ion:165 Resp: 24950

Ion Ratio Lower Upper

165 100

63 1.2 47.3 70.9#

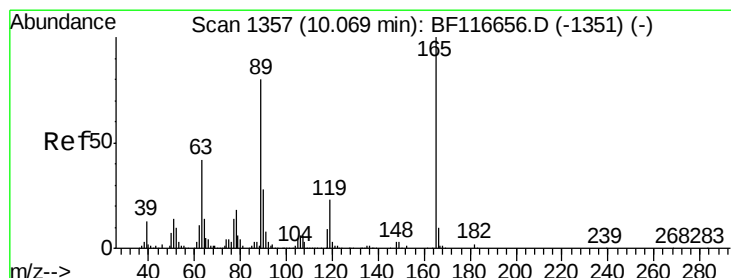
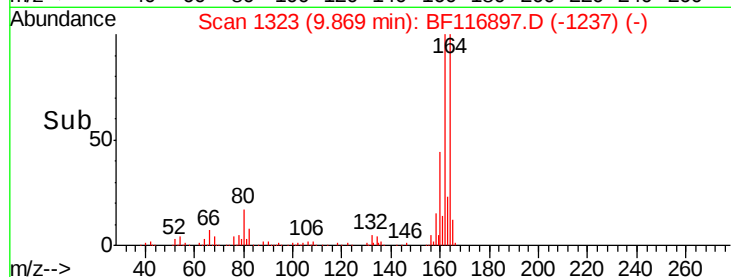
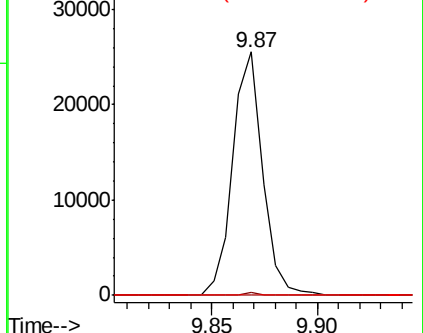
89 0.0 52.5 78.7#



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: 7.864 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.20 min

Lab File: BF116897.D

Acq: 9 Sep 2019 15:31

Tgt Ion:165 Resp: 24950

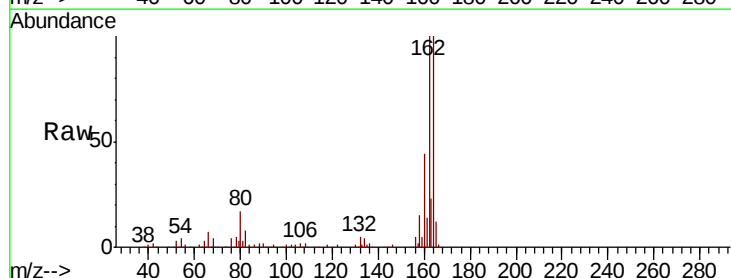
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 0.0 62.6 94.0#

182 0.0 2.1 3.1#

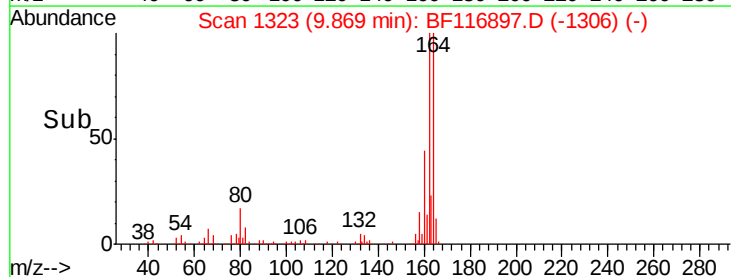
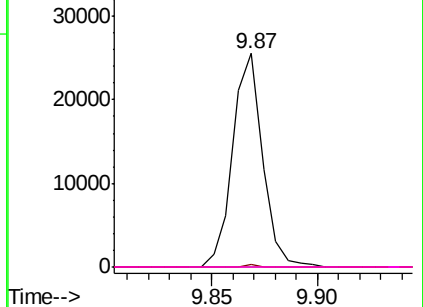


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF116897.D

Acq: 9 Sep 2019 15:31

Instrument :

BNA_F

ClientSampleId :

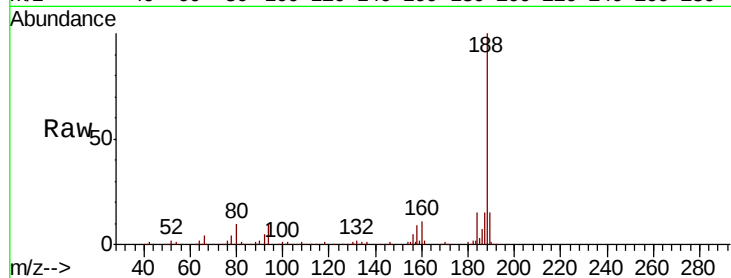
Tot Ion:188 Resp: 319709

Ion Ratio Lower Upper

188 100

94 9.6 7.3 10.9

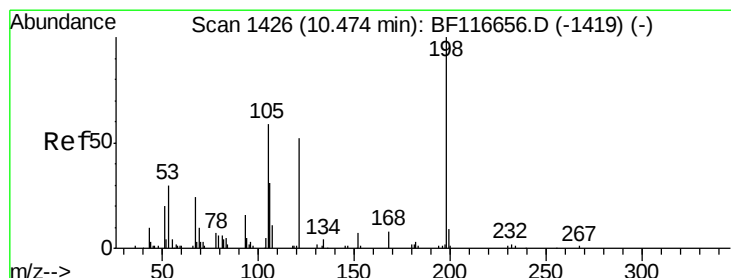
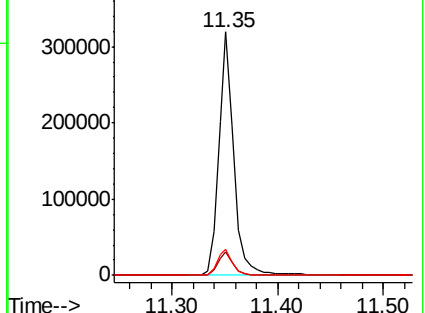
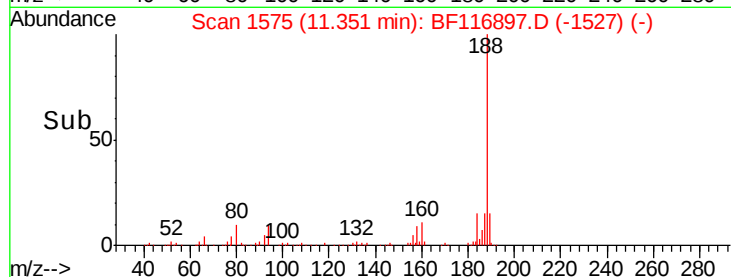
80 10.5 8.4 12.6



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: 7.824 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.18 min

Lab File: BF116897.D

Acq: 9 Sep 2019 15:31

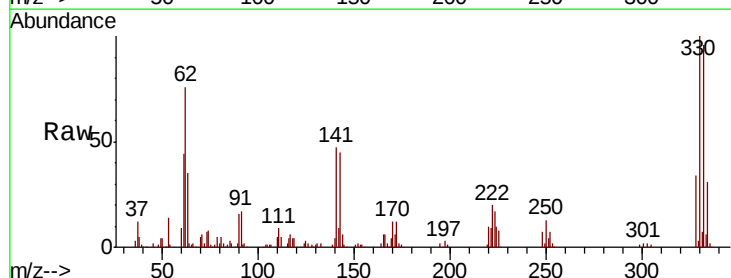
Tgt Ion:198 Resp: 520

Ion Ratio Lower Upper

198 100

51 141.8 18.4 58.4#

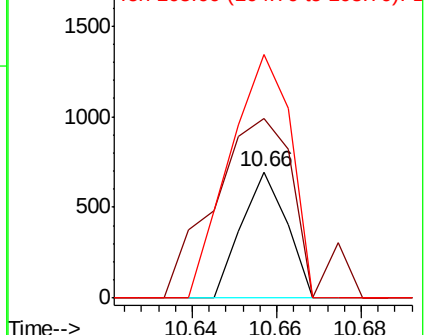
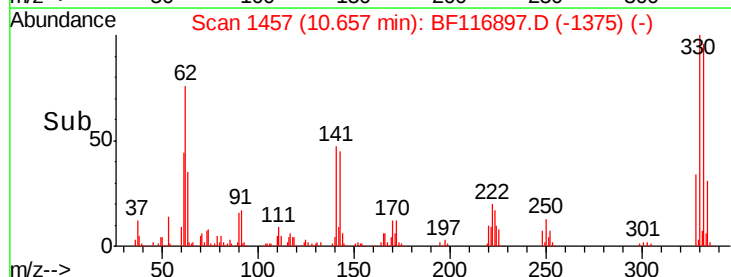
105 192.5 22.9 62.9#

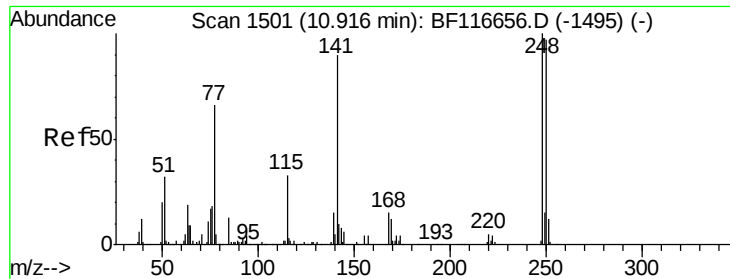


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

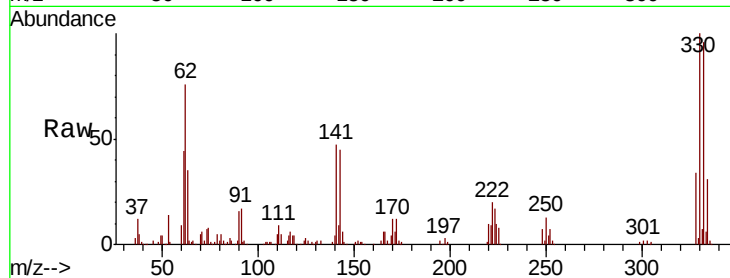




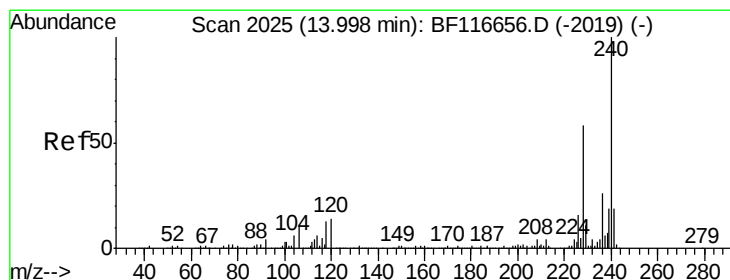
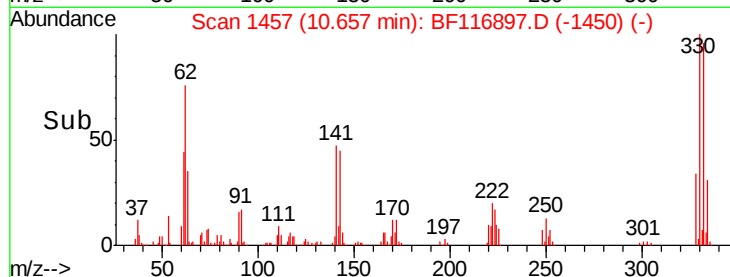
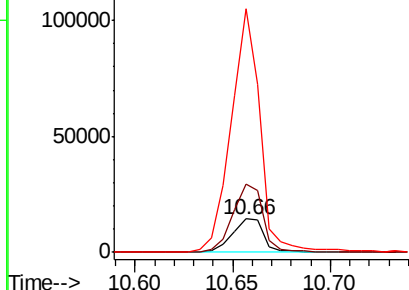
#67
4-Bromophenyl-phenylether
Concen: 4.921 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.26 min
Lab File: BF116897.D
Acq: 9 Sep 2019 15:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 15983
Ion Ratio Lower Upper
248 100
250 203.9 77.8 116.8#
141 723.8 75.9 113.9#

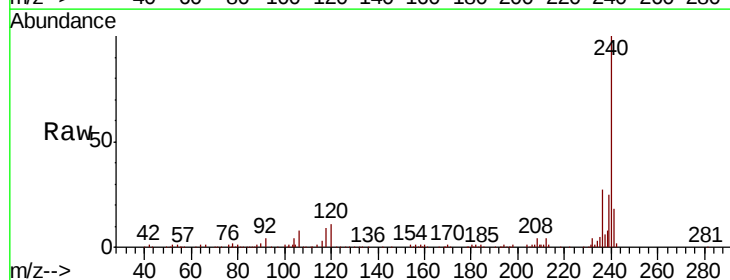


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

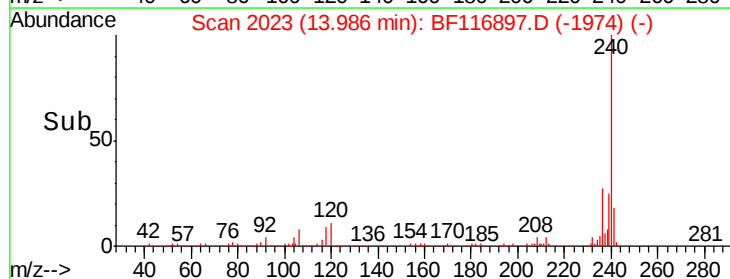
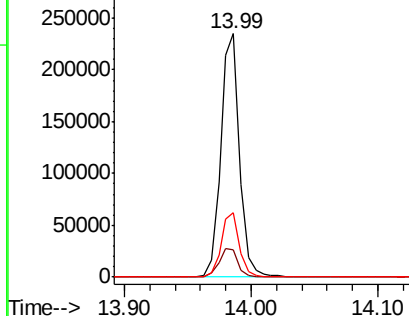


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116897.D
Acq: 9 Sep 2019 15:31

Tgt Ion:240 Resp: 240750
Ion Ratio Lower Upper
240 100
120 11.0 9.1 13.7
236 26.6 21.1 31.7



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: 95.236 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116897.D

Acq: 9 Sep 2019 15:31

Instrument :

BNA_F

ClientSampleId :

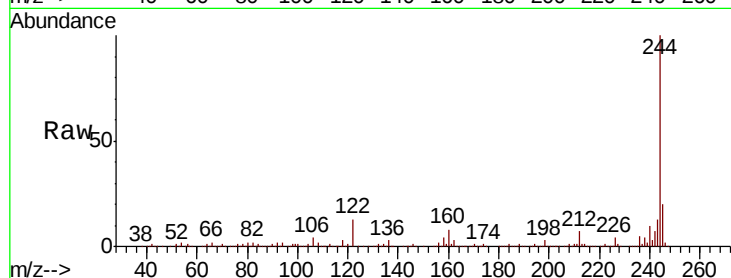
Tot Ion:244 Resp: 1239394

Ion Ratio Lower Upper

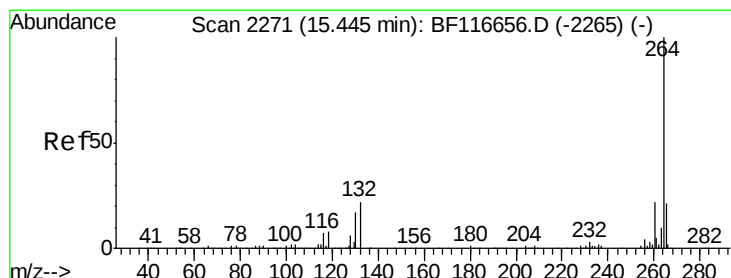
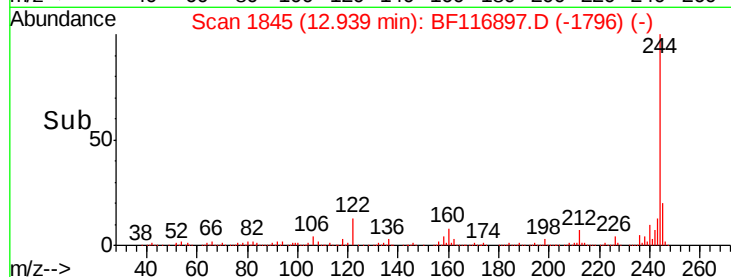
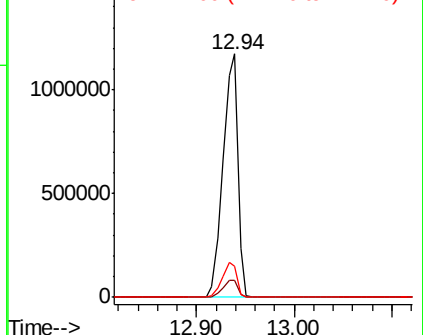
244 100

212 7.2 6.1 9.1

122 12.5 10.2 15.4



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: 15.43 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF116897.D

Acq: 9 Sep 2019 15:31

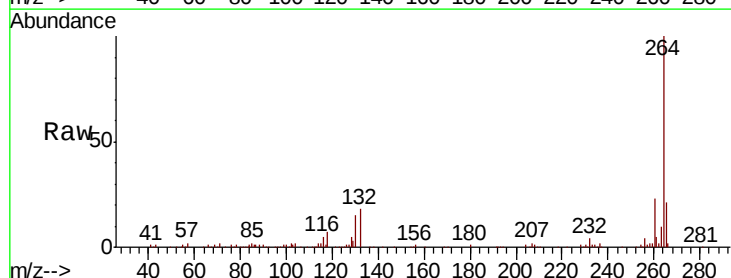
Tgt Ion:264 Resp: 222315

Ion Ratio Lower Upper

264 100

260 22.8 18.3 27.5

265 21.2 16.5 24.7



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

