

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116797.D
 Acq On : 4 Sep 2019 3:14
 Operator : HP/JU
 Sample : K4624-20
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 06:08:19 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

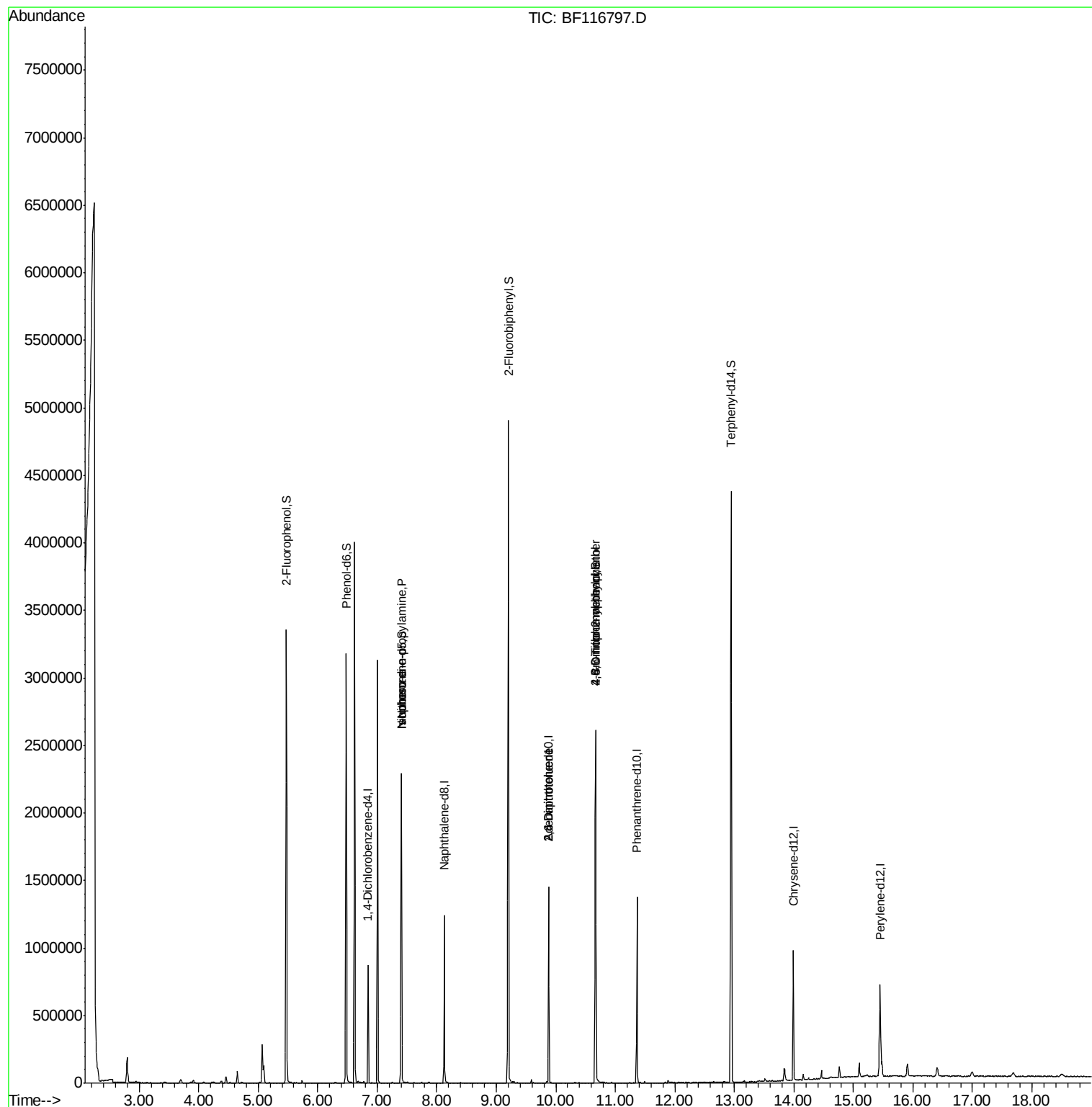
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	136743	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	536337	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	275053	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	463915	20.00	ng	0.00
76) Chrysene-d12	13.99	240	288875	20.00	ng	0.00
87) Perylene-d12	15.44	264	315111	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	990718	117.37	ng	0.01
7) Phenol-d6	6.48	99	1191468	107.50	ng	0.00
23) Nitrobenzene-d5	7.41	82	903221	96.14	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	290429	157.95	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1504311	92.26	ng	0.00
79) Terphenyl-d14	12.94	244	1478736	94.70	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	117897	16.155	ng	# 73
25) Isophorone	7.41	82	903208	47.443	ng	# 66
51) 2,6-Dinitrotoluene	9.88	165	35701	9.854	ng	# 20
57) 2,4-Dinitrotoluene	9.88	165	35701	8.059	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.67	198	393	7.645	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	18388	3.902	ng	# 1

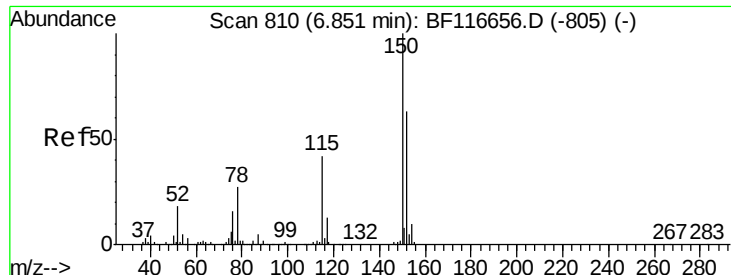
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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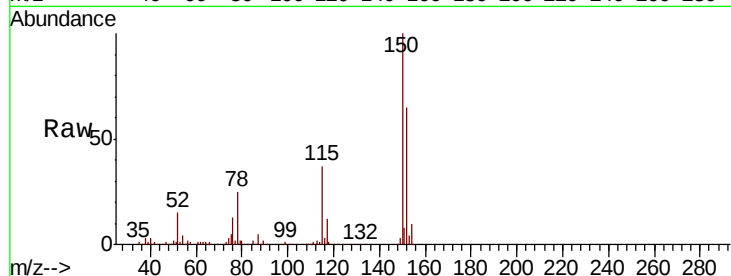


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF116797.D
Acq: 4 Sep 2019 3:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.4	186.6
115	57.3	49.9	74.9

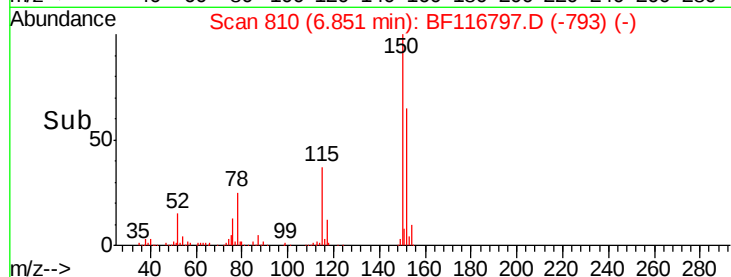
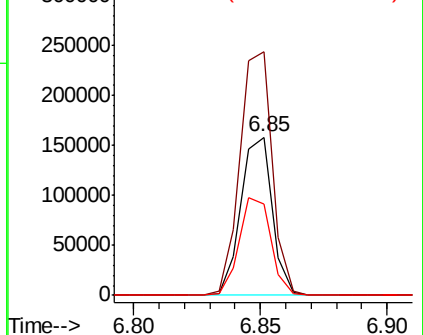


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

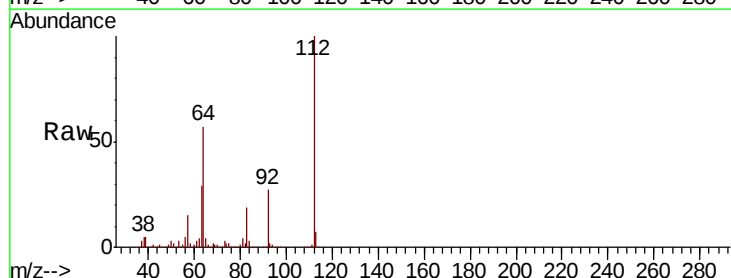
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 117.375 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116797.D
Acq: 4 Sep 2019 3:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.1	70.7
63	28.7	24.9	37.3

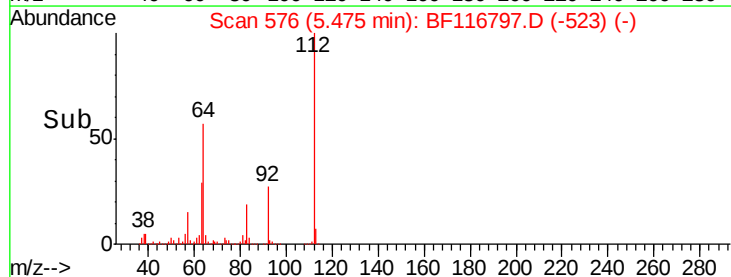
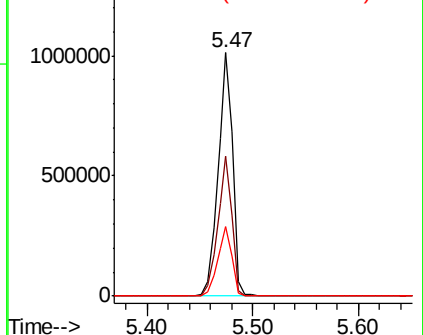


Abundance

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: 107.499 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116797.D

Acq: 4 Sep 2019 3:14

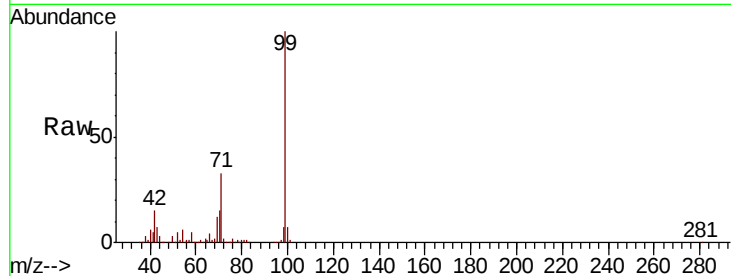
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1191468

Ion	Ratio	Lower	Upper
99	100		
42	14.8	13.7	20.5
71	33.2	30.8	46.2

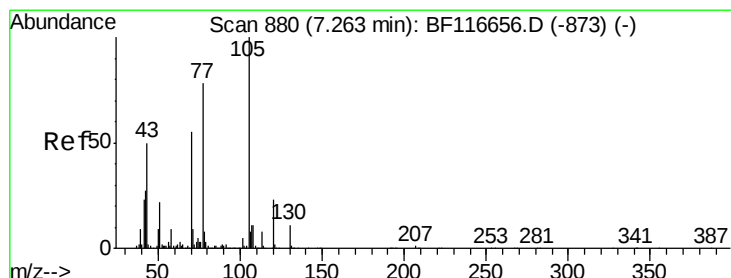
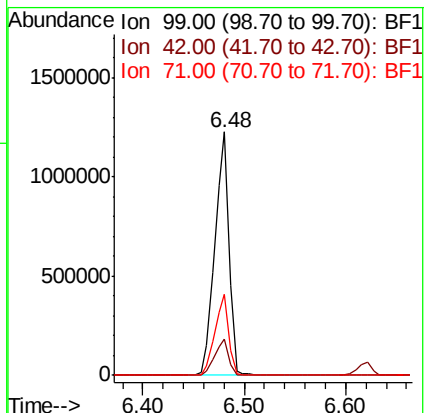
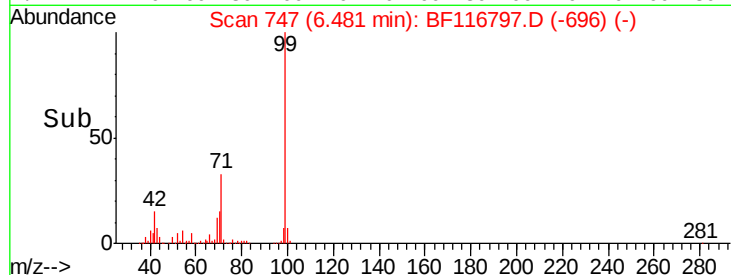


Abundance

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: 16.155 ng

RT: 7.40 min Scan# 904

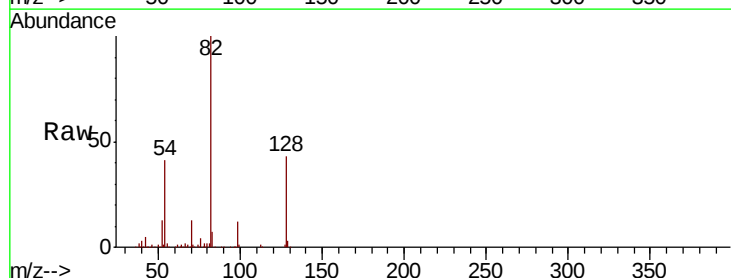
Delta R.T. 0.14 min

Lab File: BF116797.D

Acq: 4 Sep 2019 3:14

Tgt Ion: 70 Resp: 117897

Ion	Ratio	Lower	Upper
70	100		
42	38.9	43.5	65.3#
101	0.0	7.8	11.6#
130	2.3	16.6	24.8#



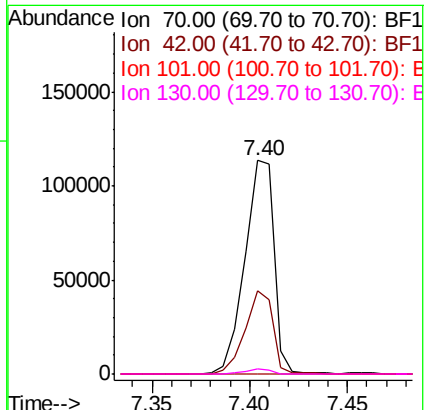
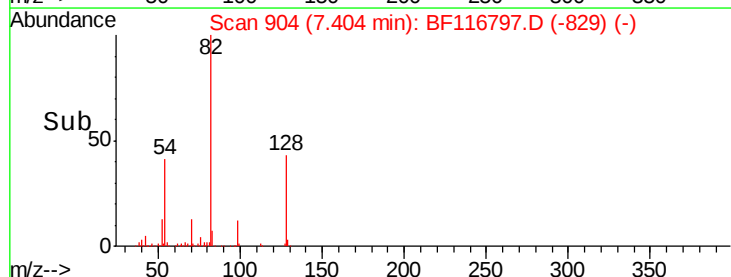
Abundance

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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116797.D

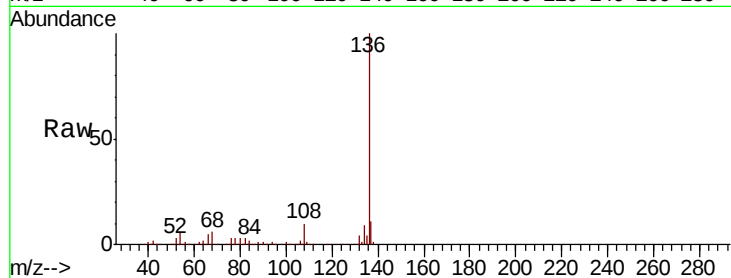
Acq: 4 Sep 2019 3:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	536337
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.9	13.3
54 6.1	4.8	7.2
68 5.9	4.0	6.0

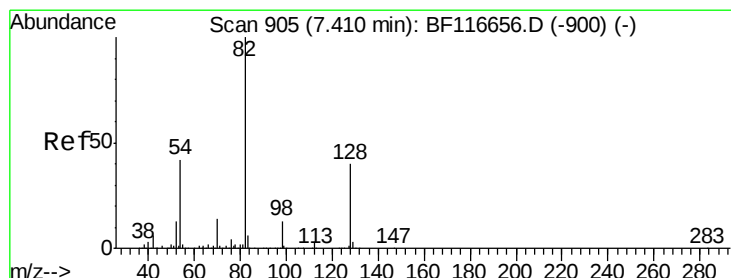
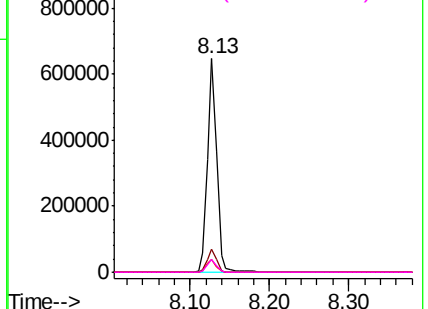
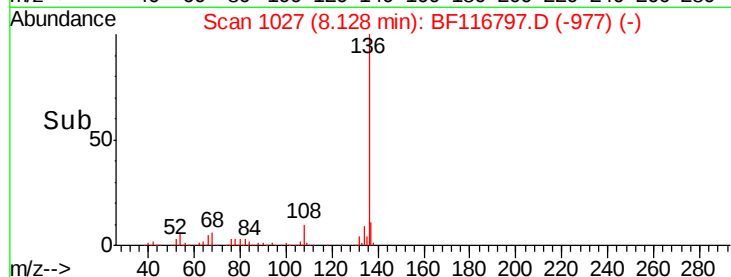


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.138 ng

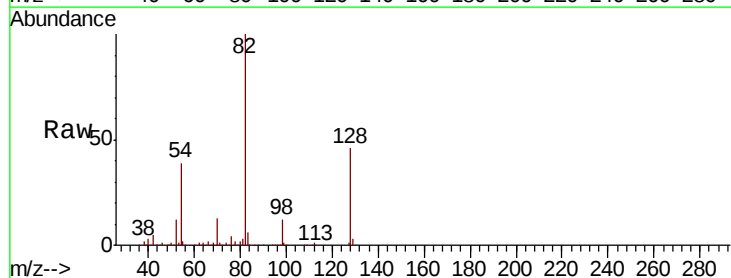
RT: 7.41 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF116797.D

Acq: 4 Sep 2019 3:14

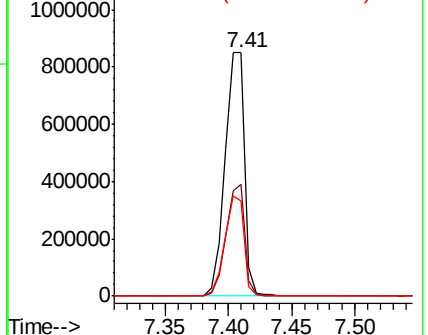
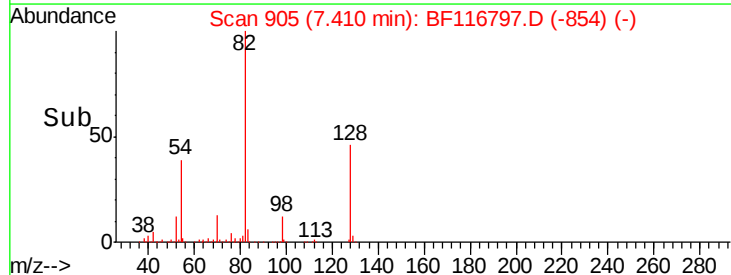
Tgt Ion: 82	Resp:	903221
Ion Ratio	Lower	Upper
82 100		
128 46.0	32.8	49.2
54 39.0	36.9	55.3



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: 47.443 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF116797.D

Acq: 4 Sep 2019 3:14

Instrument :

BNA_F

ClientSampleId :

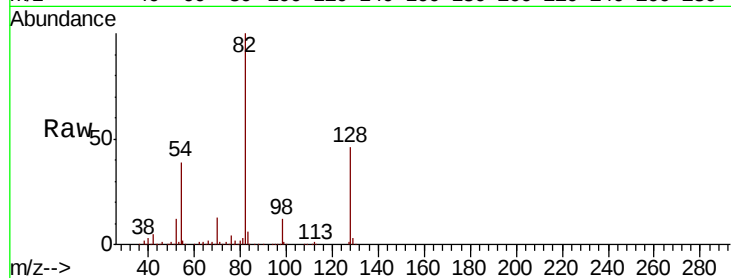
Tot Ion: 82 Resp: 903208

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

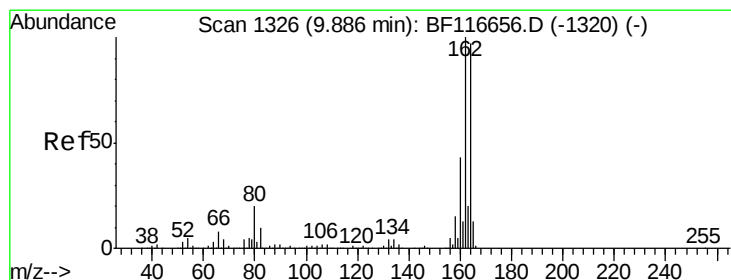
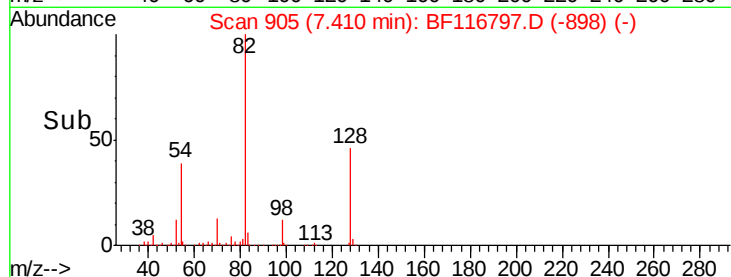
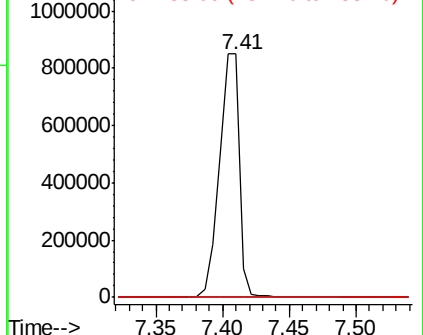
138 0.0 13.5 20.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116797.D

Acq: 4 Sep 2019 3:14

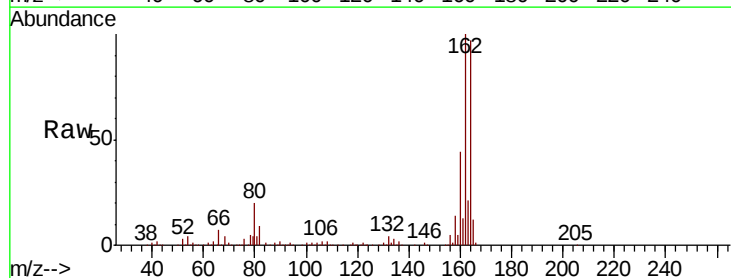
Tgt Ion: 164 Resp: 275053

Ion Ratio Lower Upper

164 100

162 102.8 81.4 122.0

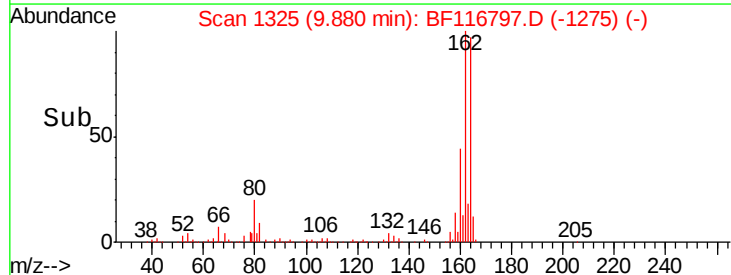
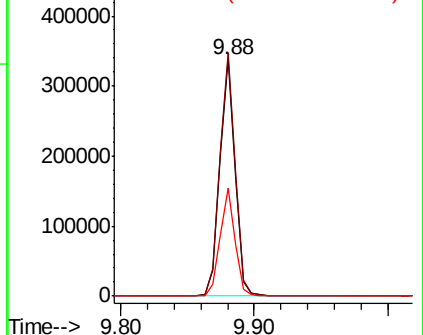
160 45.5 35.4 53.2

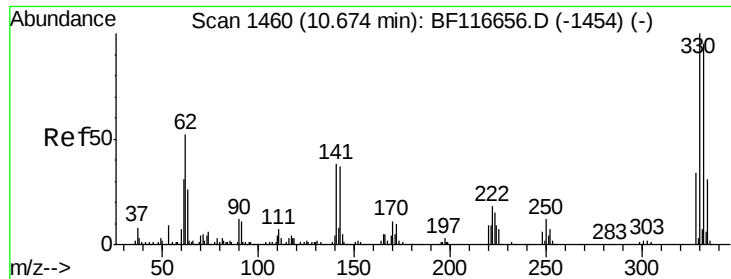


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

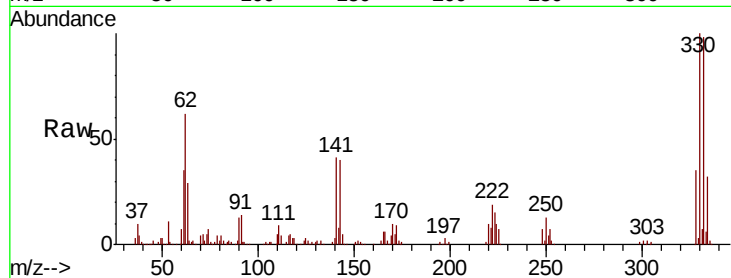




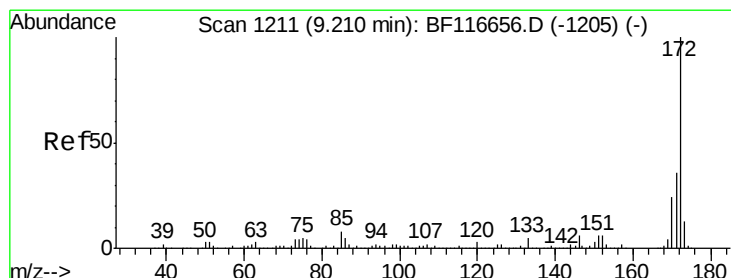
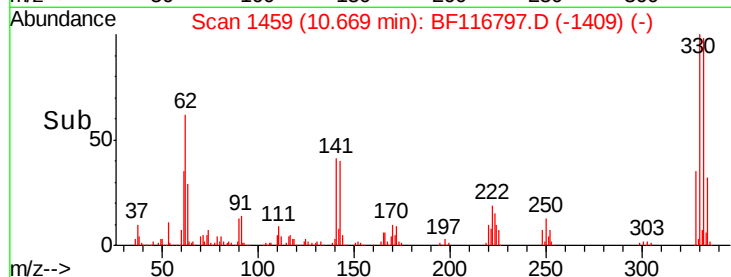
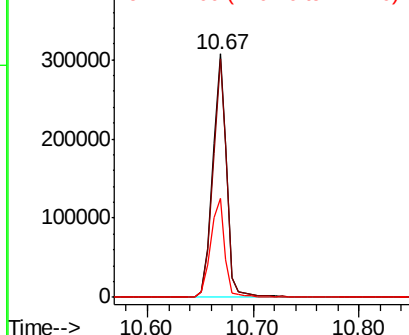
#42
 2,4,6-Tribromophenol
 Concen: 157.946 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116797.D
 Acq: 4 Sep 2019 3:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 290429
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.9 115.3
 141 41.2 31.4 47.2

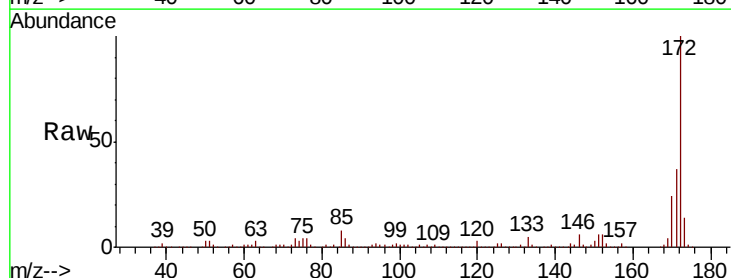


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

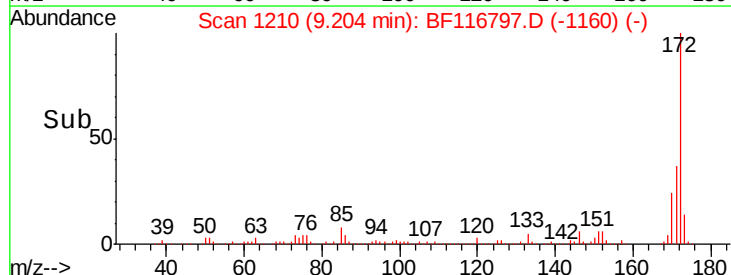
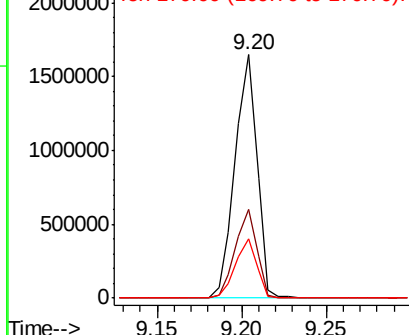


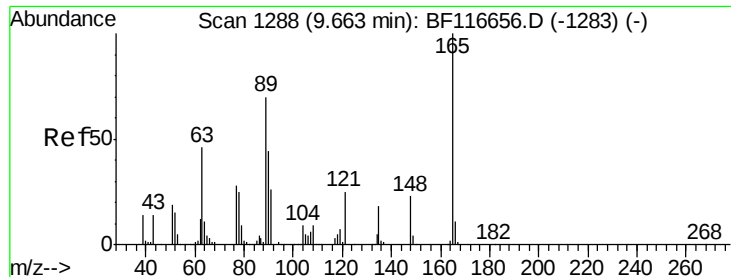
#45
 2-Fluorobiphenyl
 Concen: 92.259 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116797.D
 Acq: 4 Sep 2019 3:14

Tgt Ion:172 Resp: 1504311
 Ion Ratio Lower Upper
 172 100
 171 36.6 27.8 41.6
 170 24.2 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

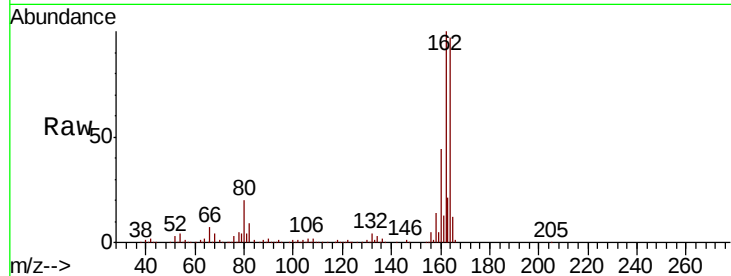




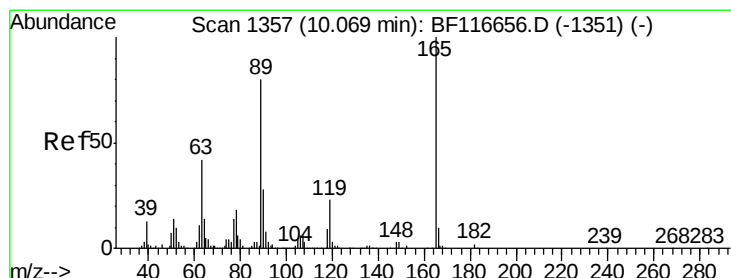
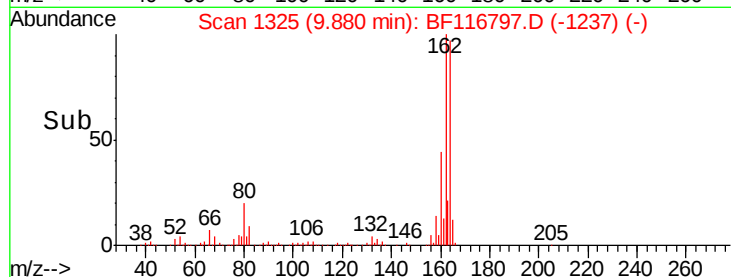
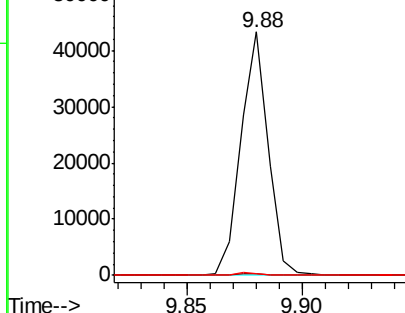
#51
 2,6-Dinitrotoluene
 Concen: 9.854 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.22 min
 Lab File: BF116797.D
 Acq: 4 Sep 2019 3:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.8	47.3	70.9#
89	0.9	52.5	78.7#



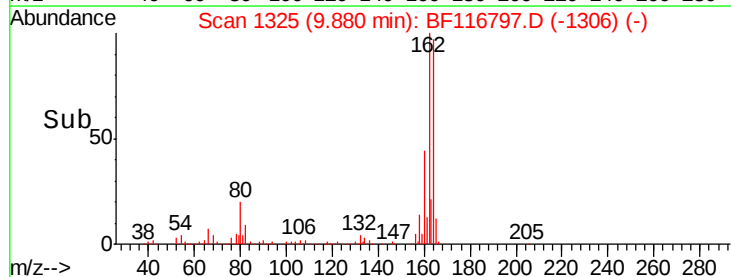
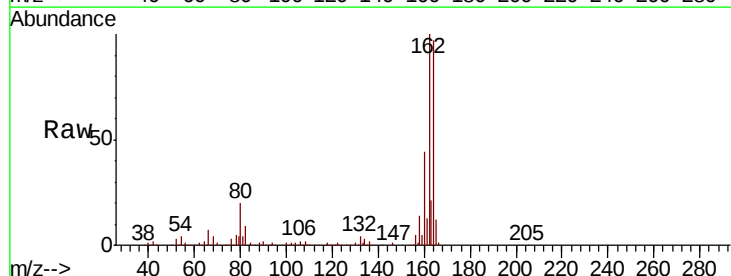
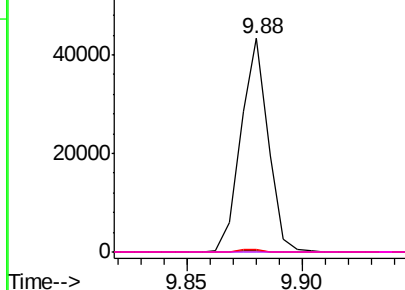
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 8.059 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116797.D
 Acq: 4 Sep 2019 3:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	36.4	54.6#
89	0.9	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

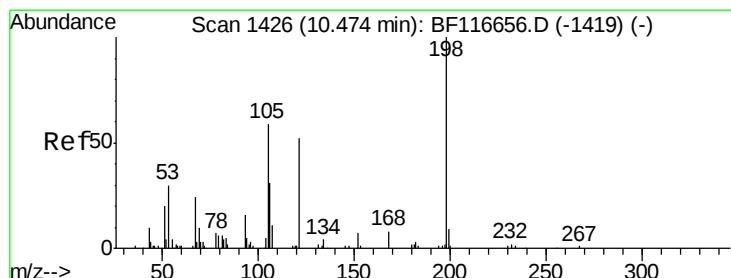
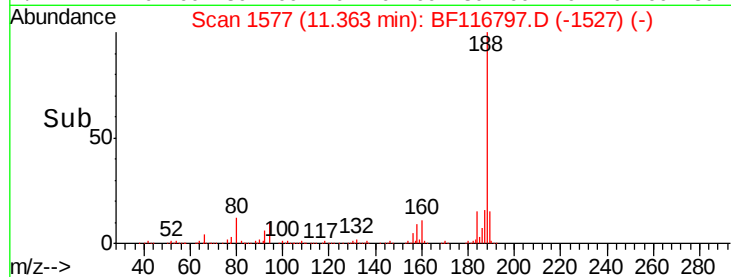
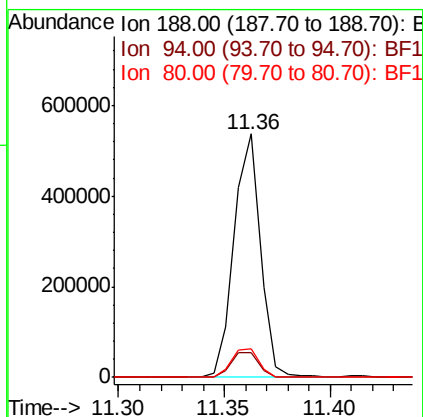
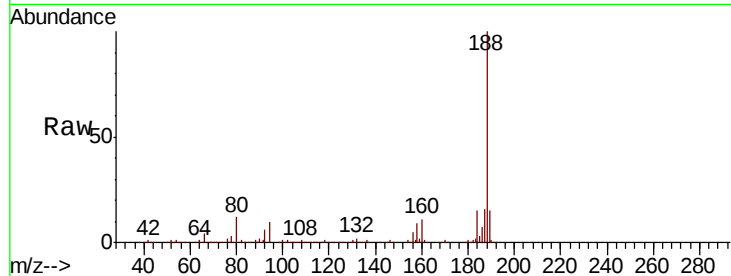




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116797.D
Acq: 4 Sep 2019 3:14

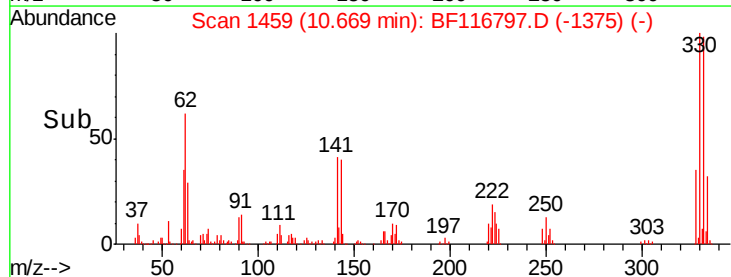
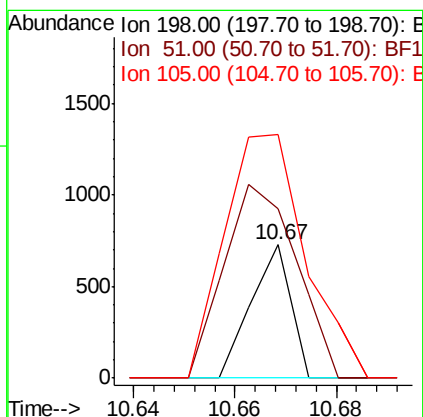
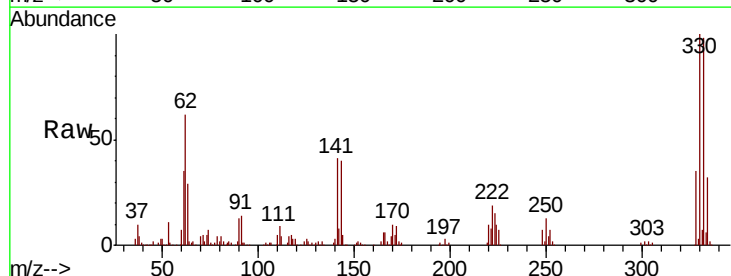
Instrument :
BNA_F
ClientSampleId :

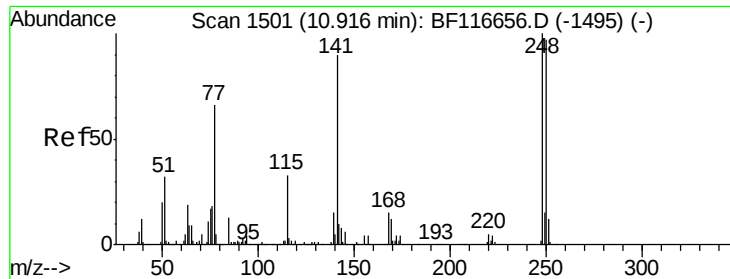
Tot Ion:188 Resp: 463915
Ion Ratio Lower Upper
188 100
94 10.4 7.3 10.9
80 11.6 8.4 12.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.645 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.19 min
Lab File: BF116797.D
Acq: 4 Sep 2019 3:14

Tgt Ion:198 Resp: 393
Ion Ratio Lower Upper
198 100
51 127.4 18.4 58.4#
105 182.9 22.9 62.9#

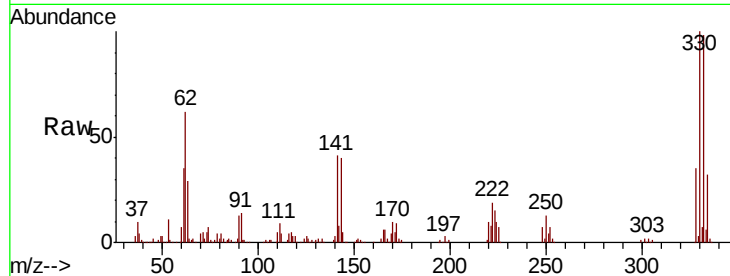




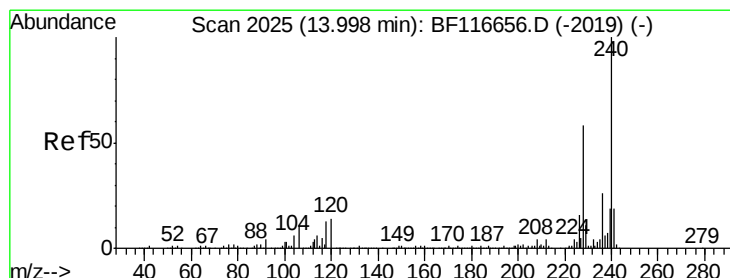
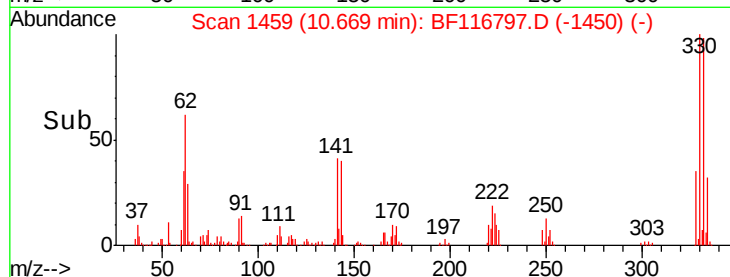
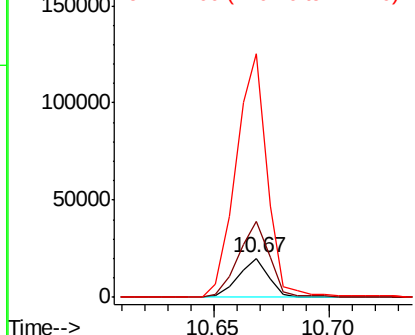
#67
4-Bromophenyl-phenylether
Concen: 3.902 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF116797.D
Acq: 4 Sep 2019 3:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 18388
Ion Ratio Lower Upper
248 100
250 191.6 77.8 116.8#
141 617.0 75.9 113.9#

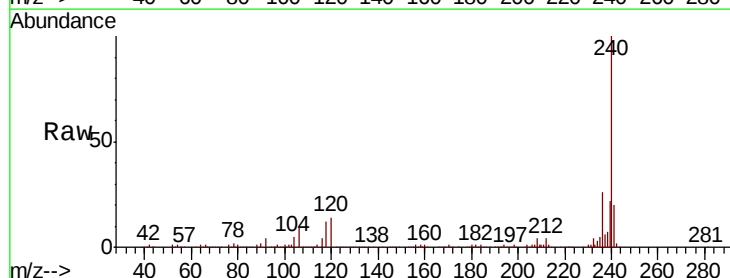


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

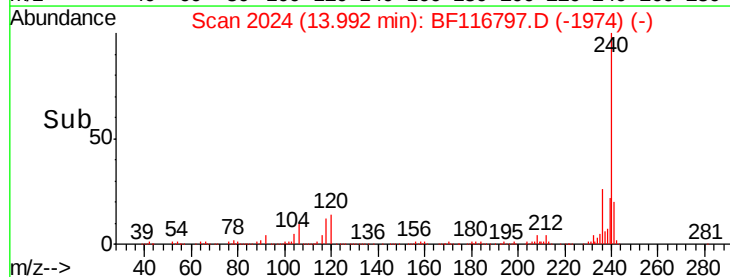
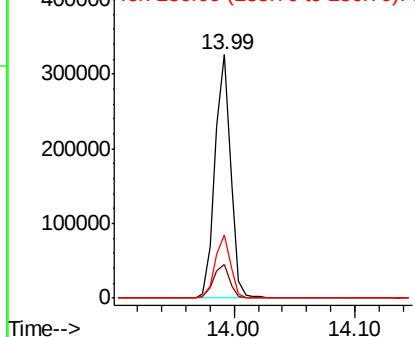


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116797.D
Acq: 4 Sep 2019 3:14

Tgt Ion:240 Resp: 288875
Ion Ratio Lower Upper
240 100
120 13.9 9.1 13.7#
236 25.9 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

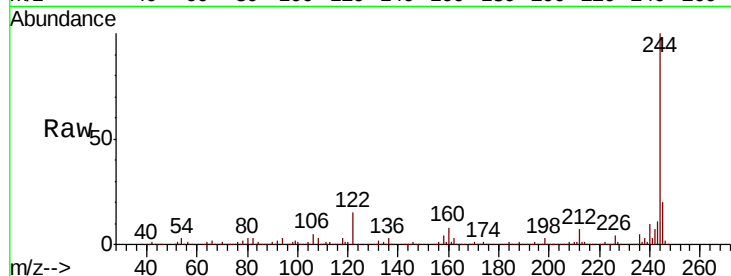




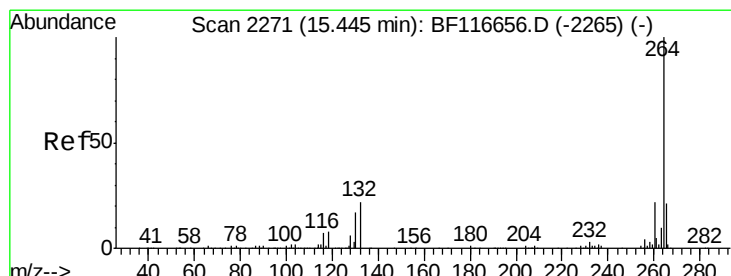
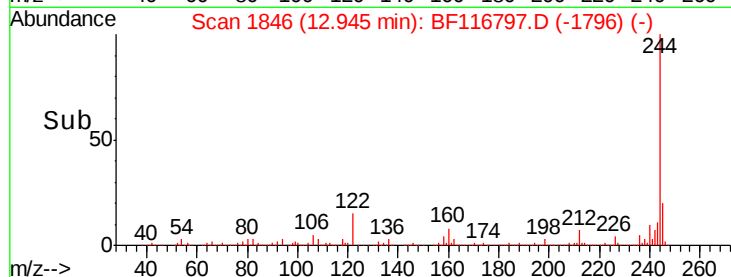
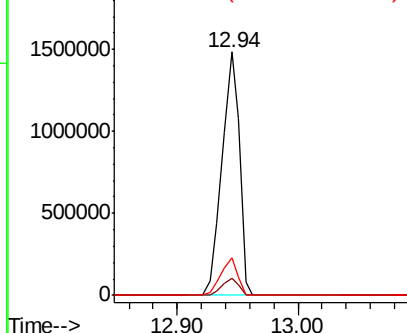
#79
 Terphenyl-d14
 Concen: 94.698 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116797.D
 Acq: 4 Sep 2019 3:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1478736
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 15.5 10.2 15.4#

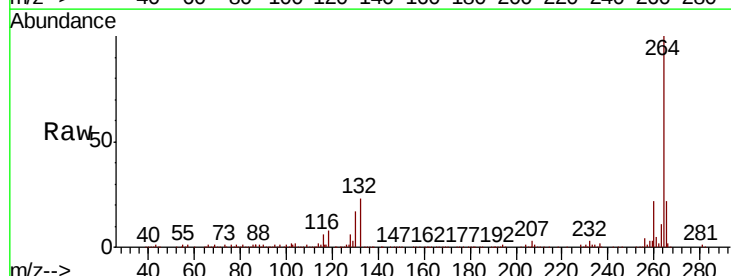


Abundance Ion 244.00 (243.70 to 244.70): E
 2000000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BF116797.D
 Acq: 4 Sep 2019 3:14

Tgt Ion:264 Resp: 315111
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.3 27.5
 265 21.6 16.5 24.7



Abundance Ion 264.00 (263.70 to 264.70): E
 300000 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

