

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082019\
 Data File : BF116445.D
 Acq On : 20 Aug 2019 22:13
 Operator : HP/JU
 Sample : K4404-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 21 01:16:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

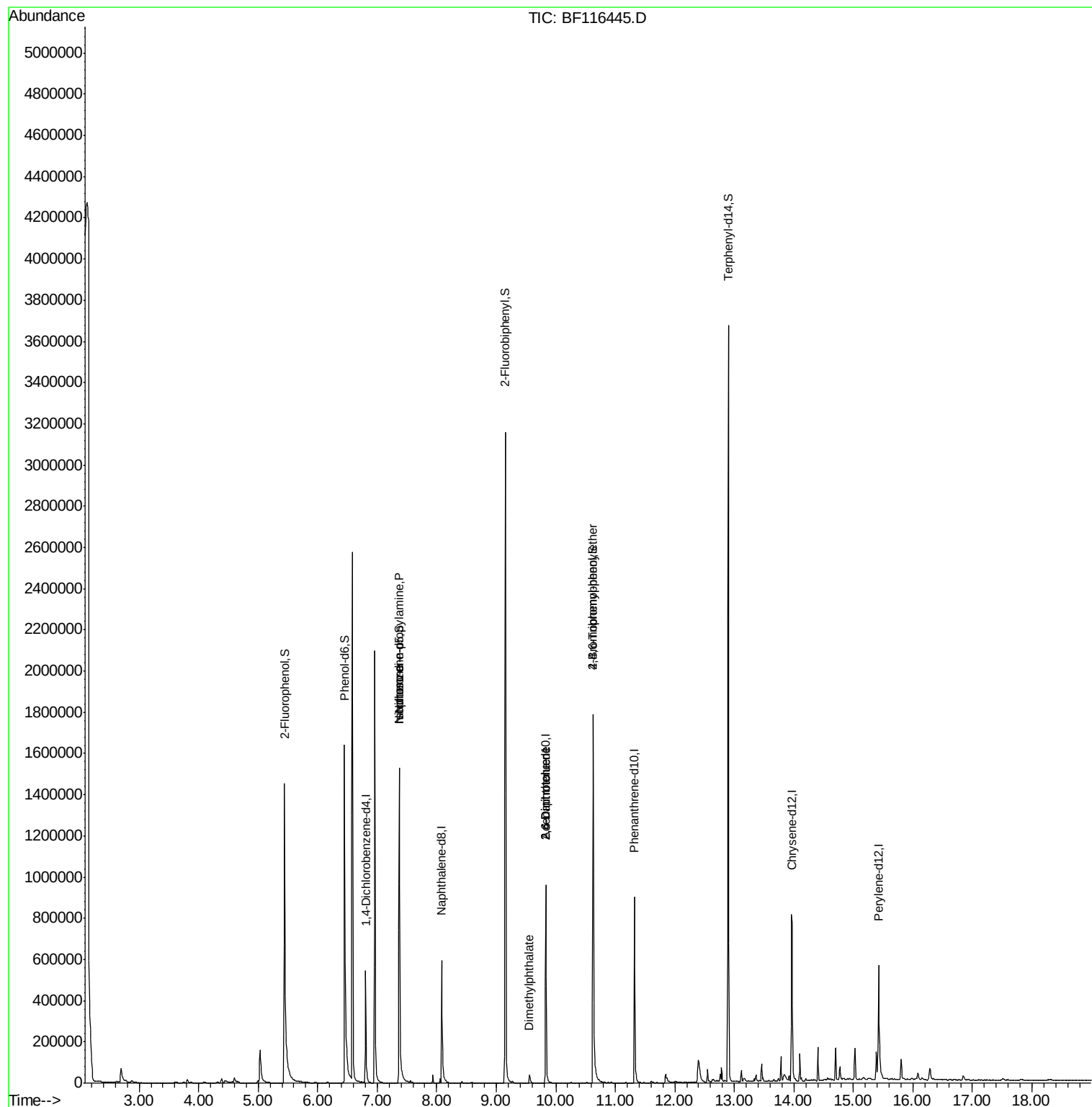
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	89105	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	342795	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	188636	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	361722	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	317802	20.00	ng	-0.02
87) Perylene-d12	15.42	264	325090	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	649834	122.09	ng	0.00
7) Phenol-d6	6.45	99	793597	118.17	ng	-0.01
23) Nitrobenzene-d5	7.37	82	585394	98.57	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	278548	152.31	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	1071367	106.38	ng	-0.02
79) Terphenyl-d14	12.90	244	1396225	92.58	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	75952	18.251	ng	# 80
25) Isophorone	7.37	82	585394	51.551	ng	# 65
50) Dimethylphthalate	9.56	163	26938	2.097	ng	100
51) 2,6-Dinitrotoluene	9.83	165	23690	8.487	ng	# 28
57) 2,4-Dinitrotoluene	9.83	165	23690	6.375	ng	# 20
67) 4-Bromophenyl-phenylether	10.63	248	16638	4.297	ng	# 1

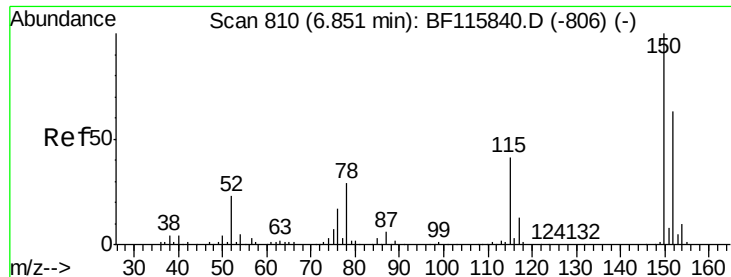
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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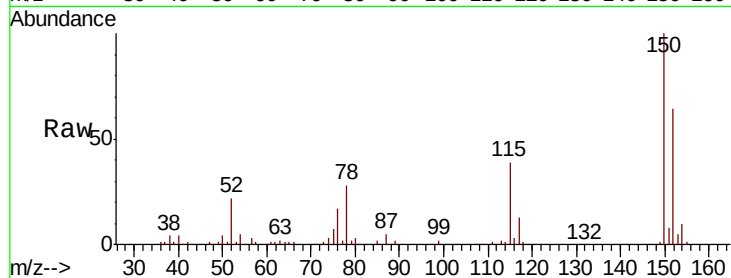


#1

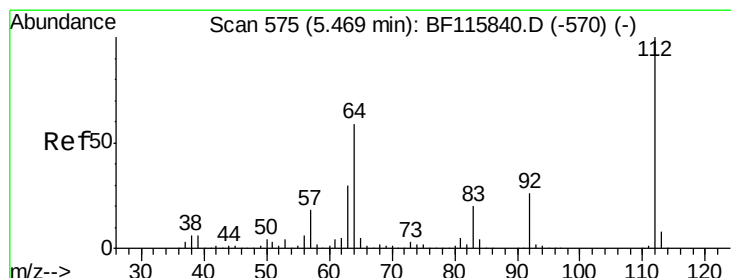
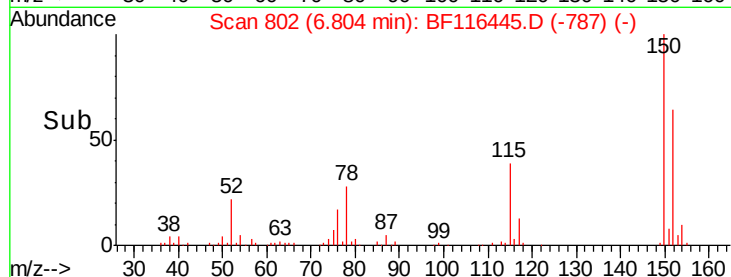
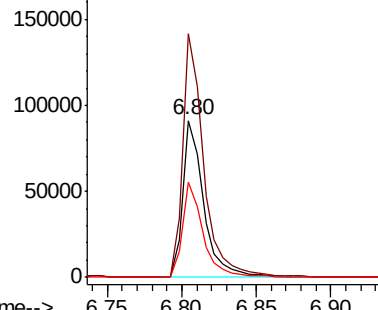
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116445.D
Acq: 20 Aug 2019 22:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 89105
Ion Ratio Lower Upper
152 100
150 155.1 126.2 189.2
115 60.9 49.9 74.9



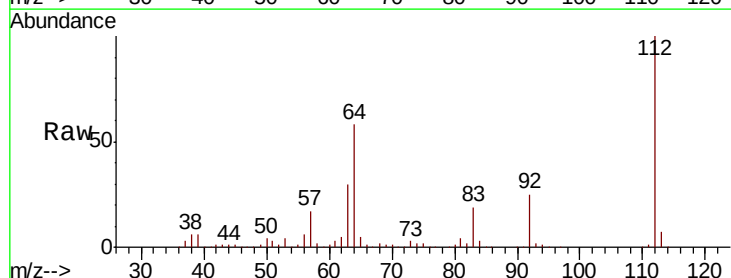
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



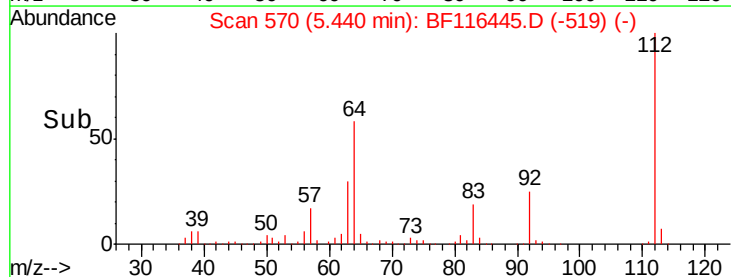
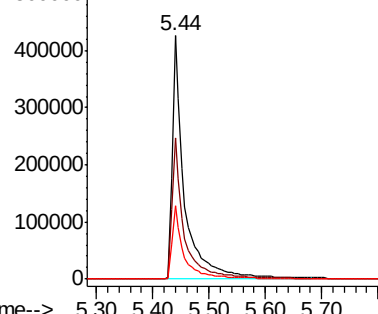
#5

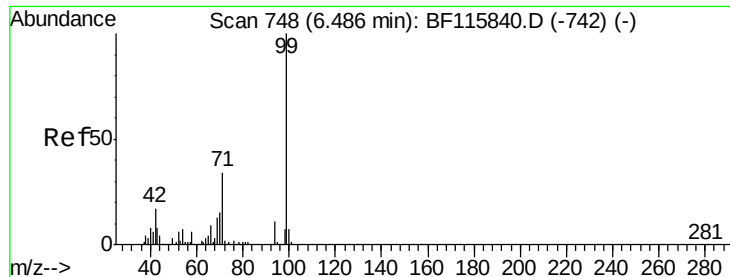
2-Fluorophenol
Concen: 122.088 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF116445.D
Acq: 20 Aug 2019 22:13

Tgt Ion:112 Resp: 649834
Ion Ratio Lower Upper
112 100
64 58.0 45.4 68.2
63 30.0 23.7 35.5



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: 118.174 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116445.D

Acq: 20 Aug 2019 22:13

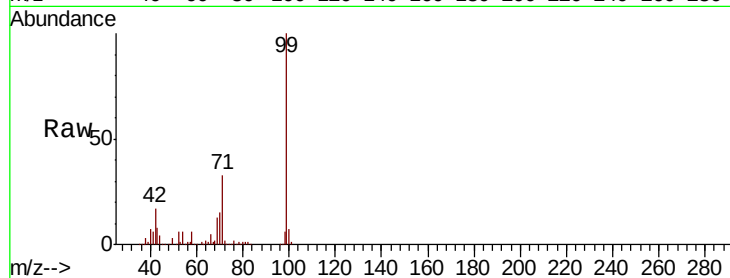
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 793597

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.8	20.8
71	33.0	27.3	40.9

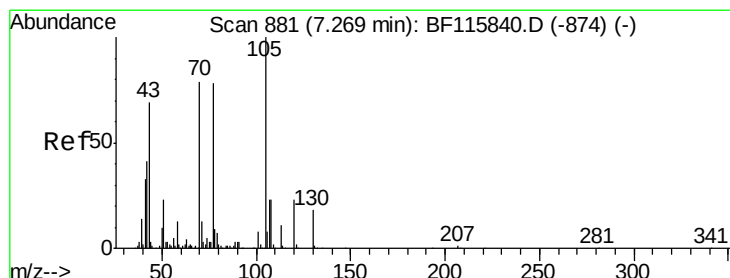
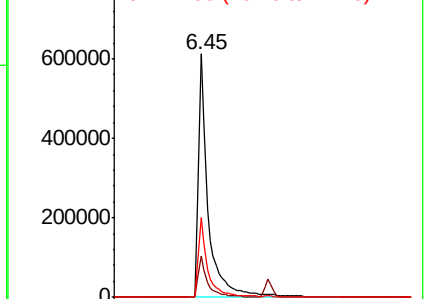
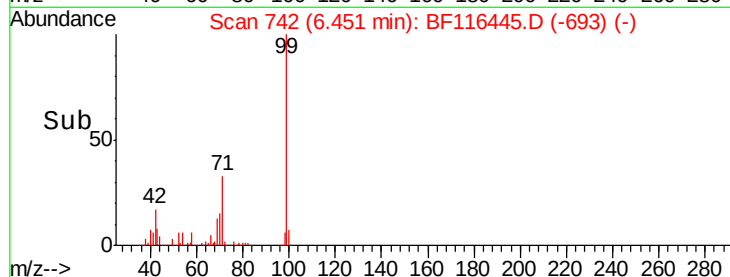


Abundance

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: 18.251 ng

RT: 7.37 min Scan# 898

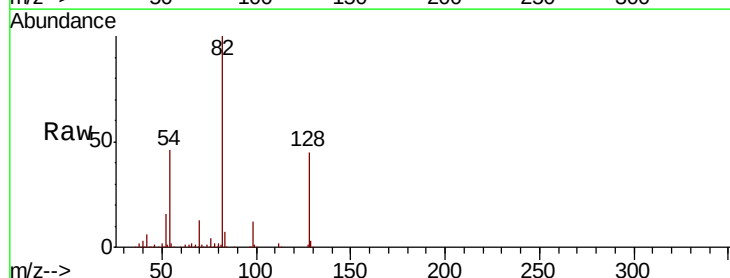
Delta R.T. 0.14 min

Lab File: BF116445.D

Acq: 20 Aug 2019 22:13

Tgt Ion: 70 Resp: 75952

Ion	Ratio	Lower	Upper
70	100		
42	43.8	40.9	61.3
101	0.0	7.9	11.9#
130	2.7	16.9	25.3#



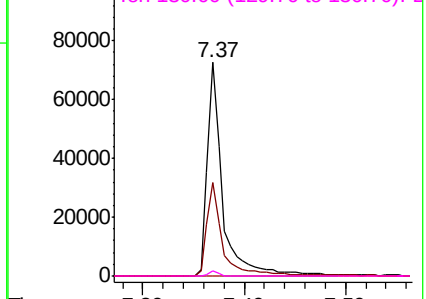
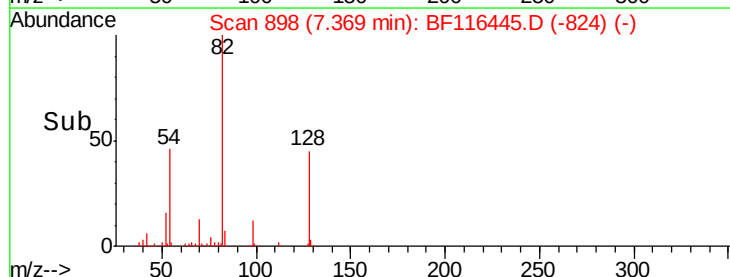
Abundance

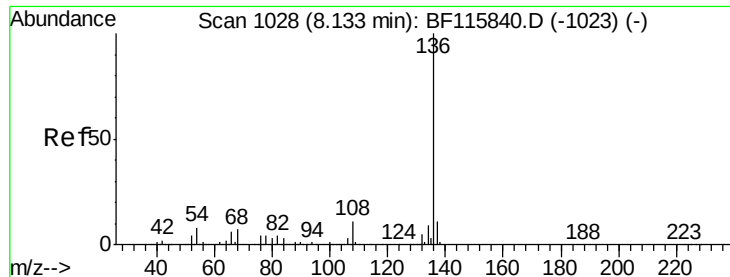
Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF116445.D

Acq: 20 Aug 2019 22:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 342795

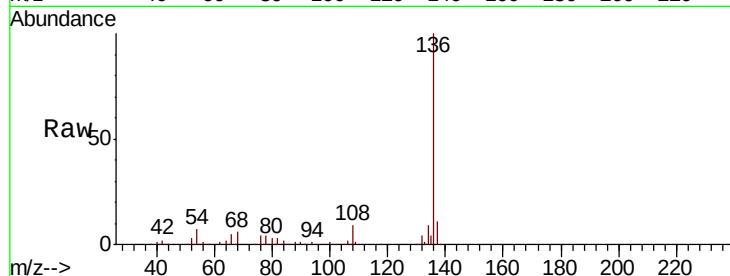
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.8 5.8 8.6

68 6.1 5.2 7.8

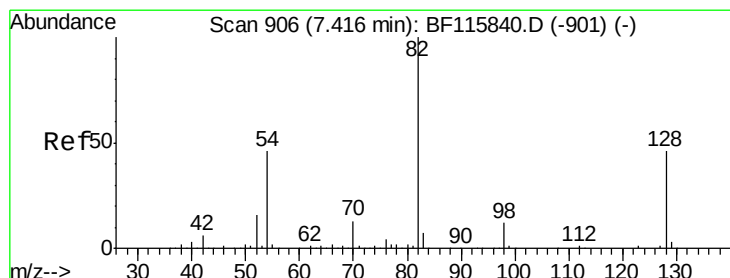
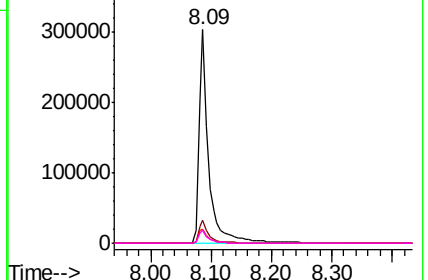
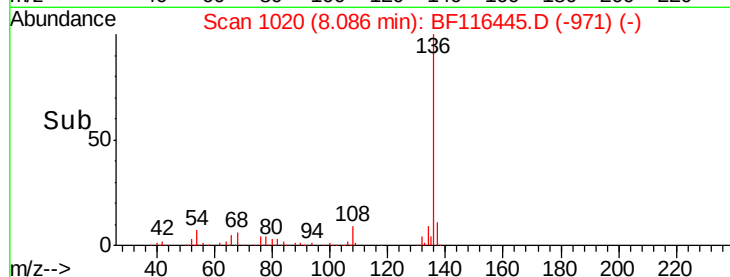


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.574 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF116445.D

Acq: 20 Aug 2019 22:13

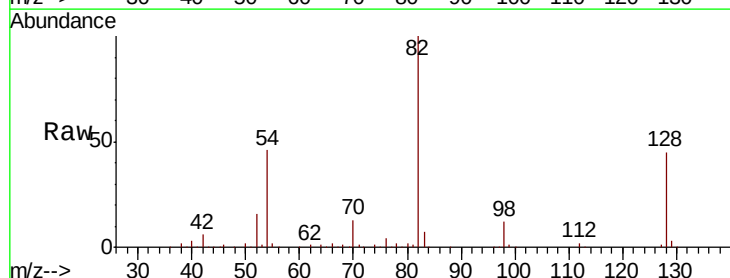
Tgt Ion: 82 Resp: 585394

Ion Ratio Lower Upper

82 100

128 44.9 36.5 54.7

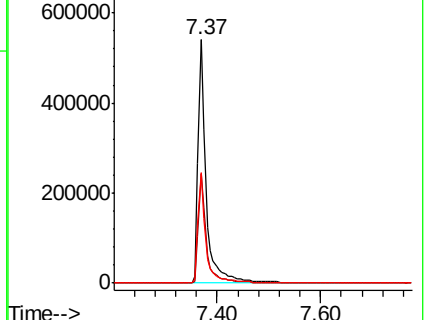
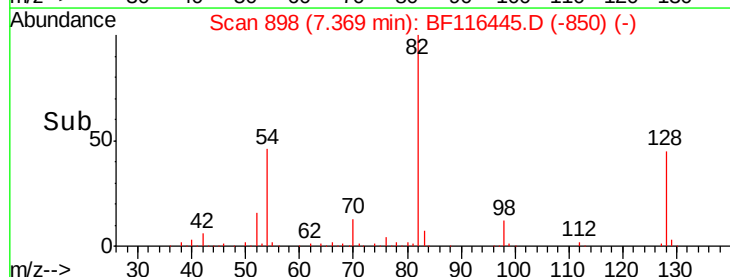
54 45.6 36.0 54.0

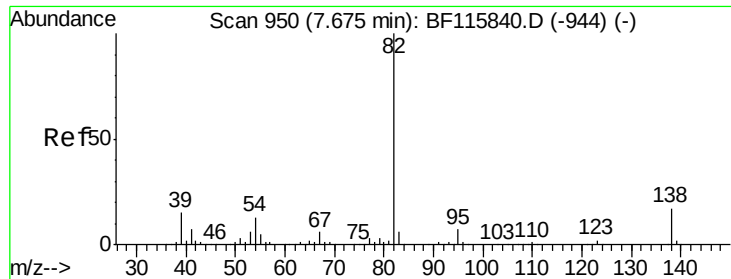


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 51.551 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF116445.D

Acq: 20 Aug 2019 22:13

Instrument :

BNA_F

ClientSampleId :

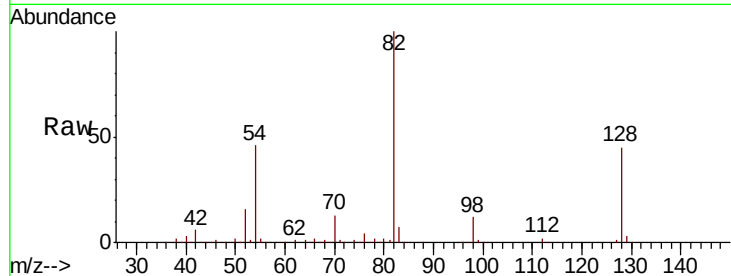
Tot Ion: 82 Resp: 585394

Ion Ratio Lower Upper

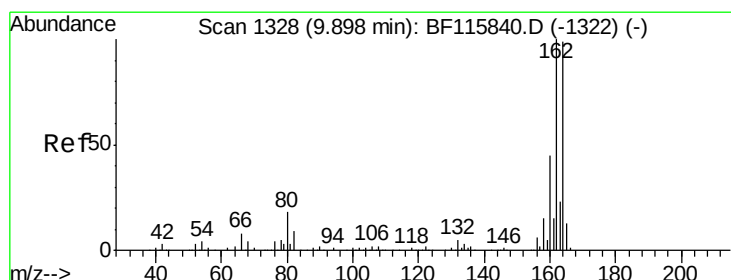
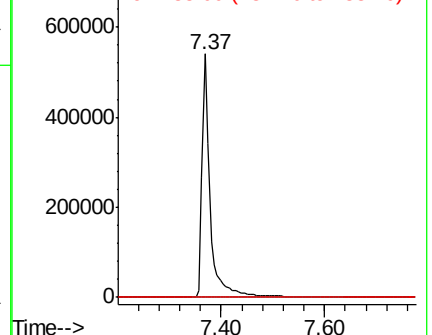
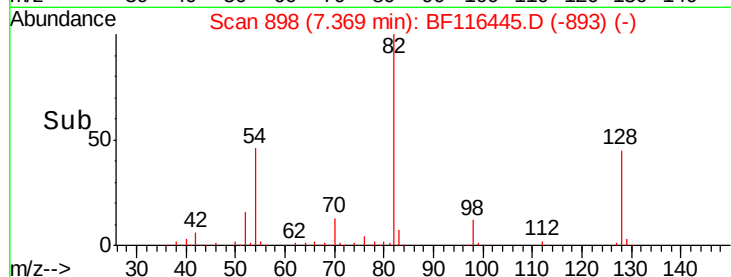
82 100

95 0.0 5.4 8.0#

138 0.0 14.5 21.7#



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: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF116445.D

Acq: 20 Aug 2019 22:13

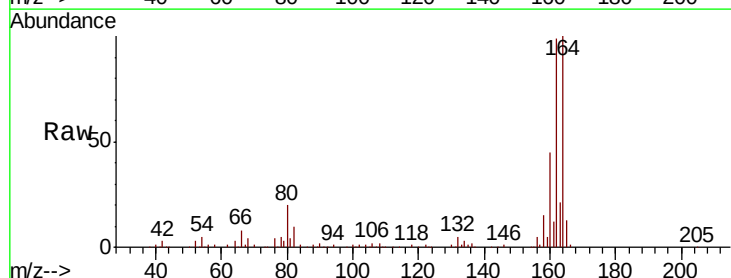
Tgt Ion: 164 Resp: 188636

Ion Ratio Lower Upper

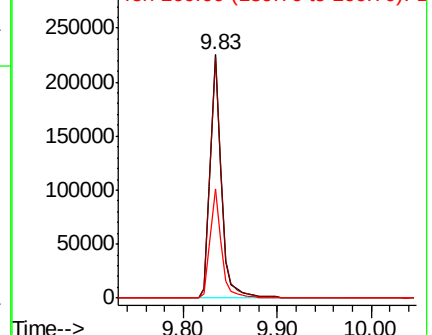
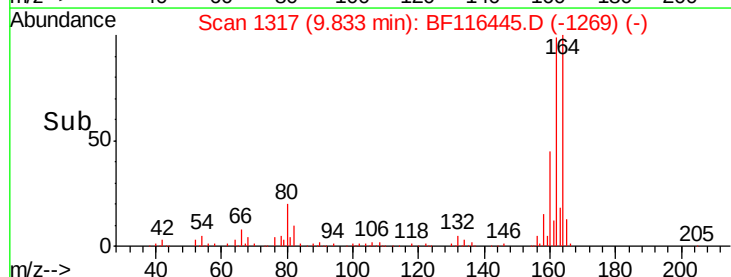
164 100

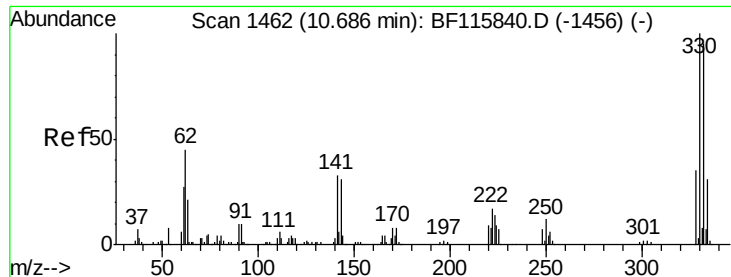
162 98.9 82.6 124.0

160 44.8 37.6 56.4



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: 152.305 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BF116445.D

Acq: 20 Aug 2019 22:13

Instrument :

BNA_F

ClientSampleId :

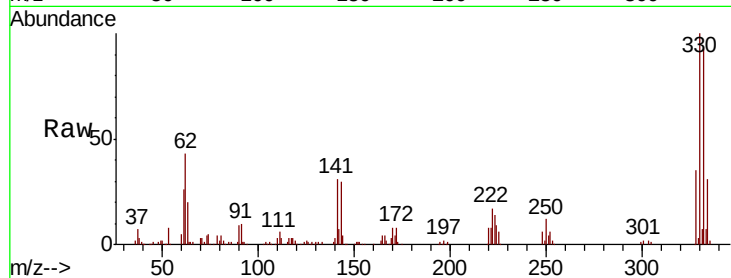
Tot Ion:330 Resp: 278548

Ion Ratio Lower Upper

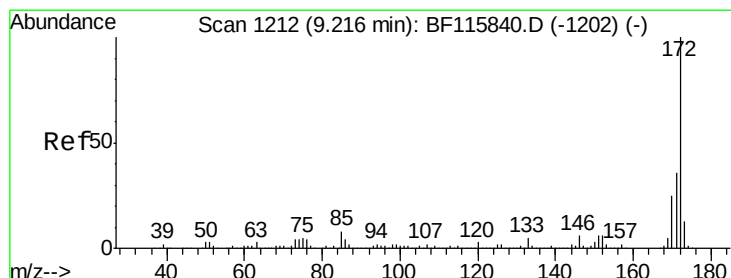
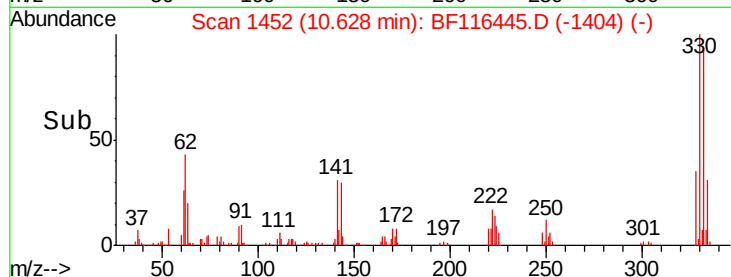
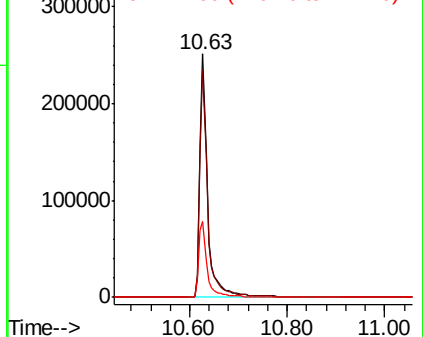
330 100

332 94.6 76.8 115.2

141 34.2 26.3 39.5



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: 106.382 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.02 min

Lab File: BF116445.D

Acq: 20 Aug 2019 22:13

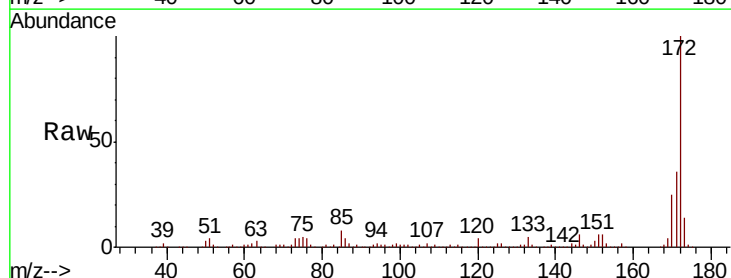
Tgt Ion:172 Resp: 1071367

Ion Ratio Lower Upper

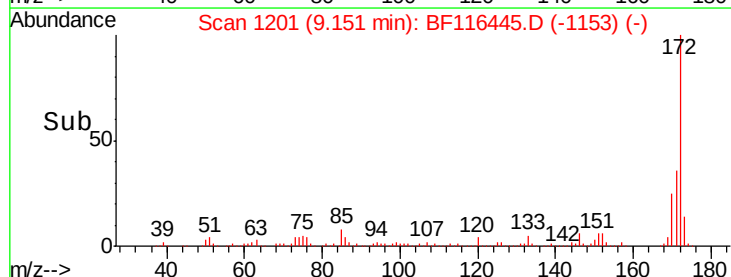
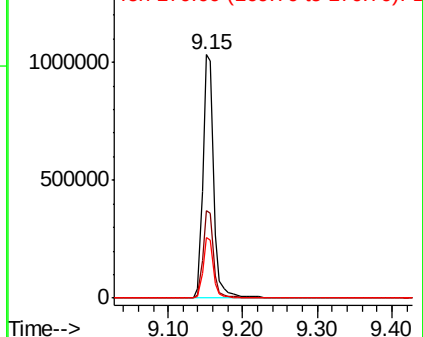
172 100

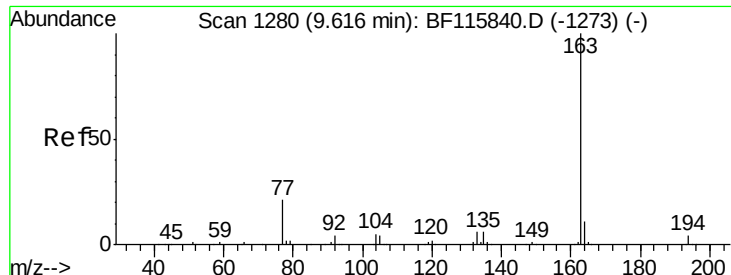
171 36.2 29.6 44.4

170 25.0 20.1 30.1



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

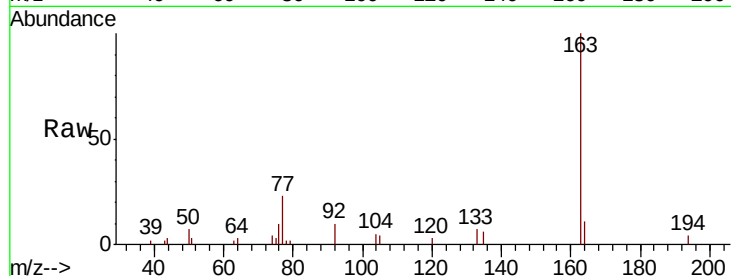




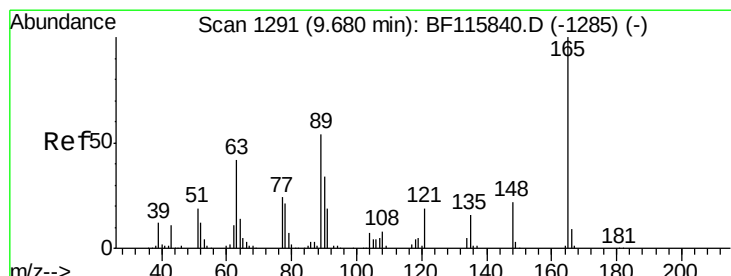
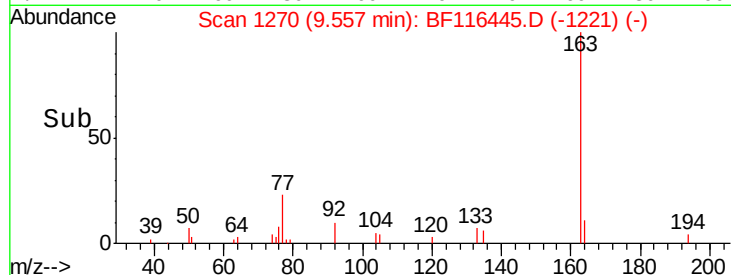
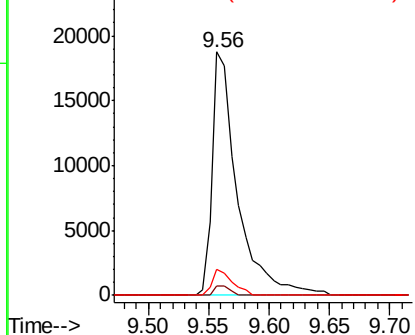
#50
Dimethylphthalate
Concen: 2.097 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF116445.D
Acq: 20 Aug 2019 22:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.6
164	10.6	8.4	12.6

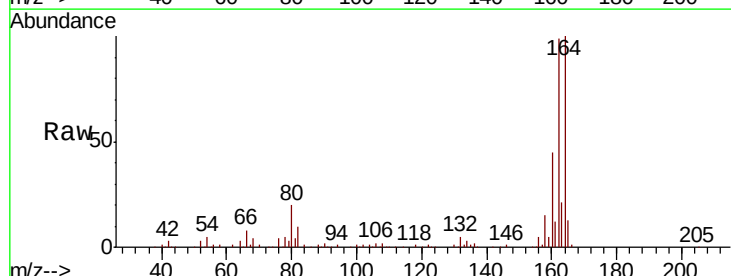


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

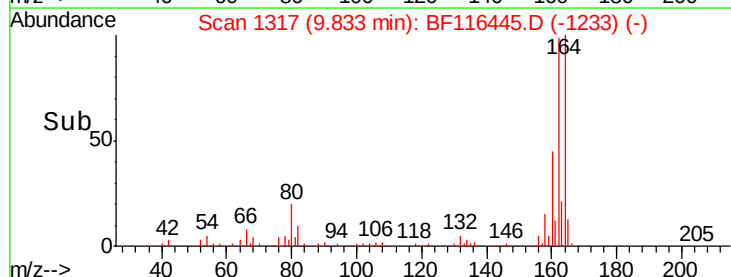
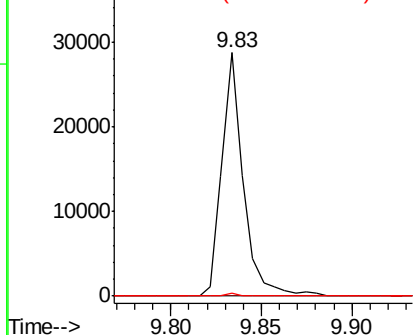


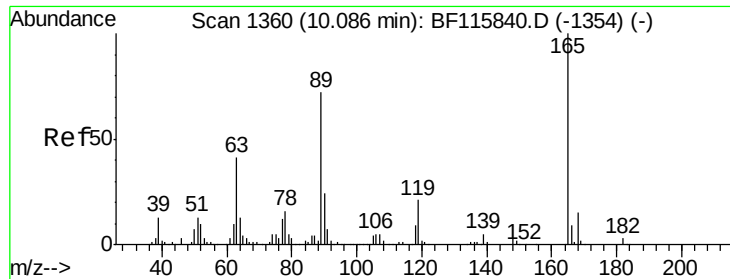
#51
2,6-Dinitrotoluene
Concen: 8.487 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.19 min
Lab File: BF116445.D
Acq: 20 Aug 2019 22:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.2	57.2#
89	1.3	42.9	64.3#



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

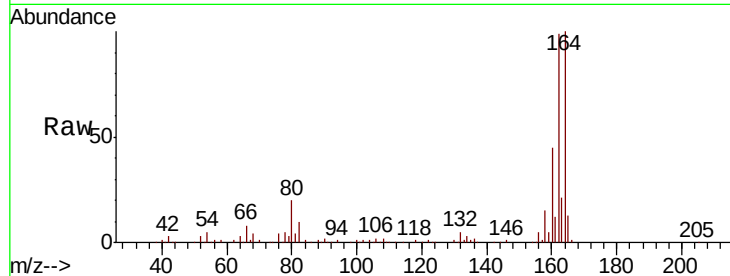




#57
 2,4-Dinitrotoluene
 Concen: 6.375 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.22 min
 Lab File: BF116445.D
 Acq: 20 Aug 2019 22:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	23690
Ion Ratio	Lower	Upper
165	100	
63	0.0	39.6 59.4#
89	1.3	62.2 93.2#
182	0.0	2.1 3.1#

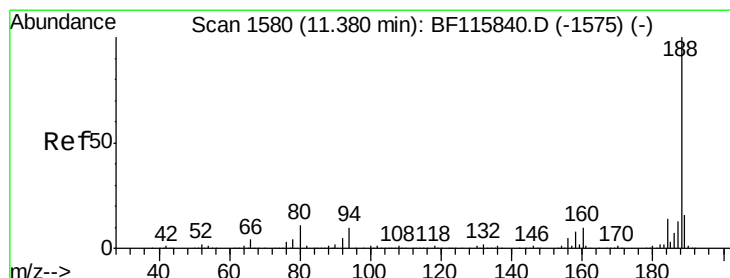
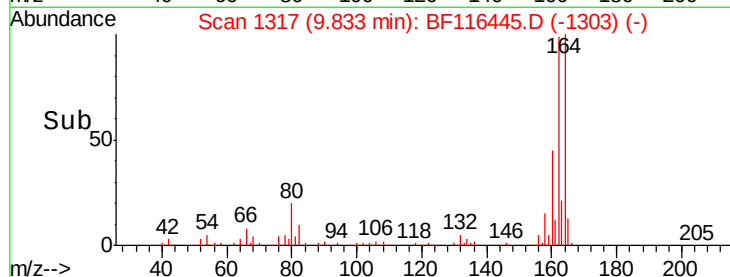
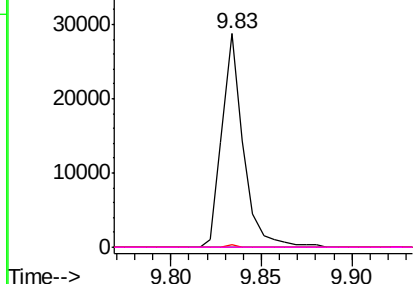


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

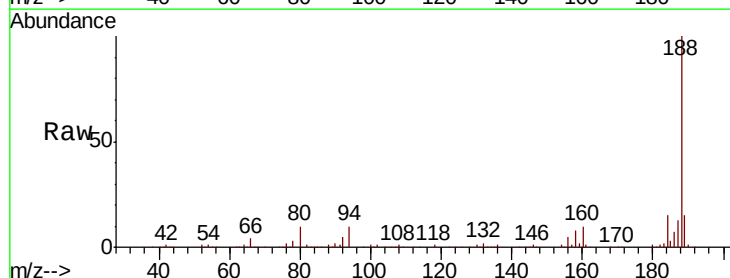
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF116445.D
 Acq: 20 Aug 2019 22:13

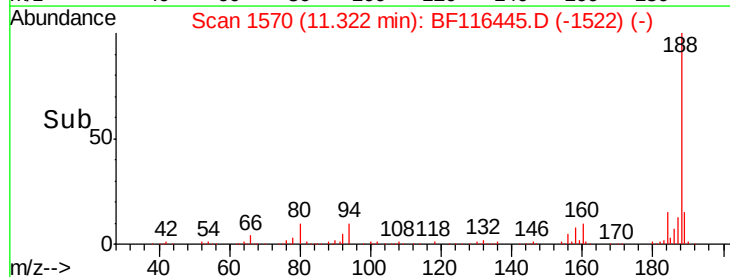
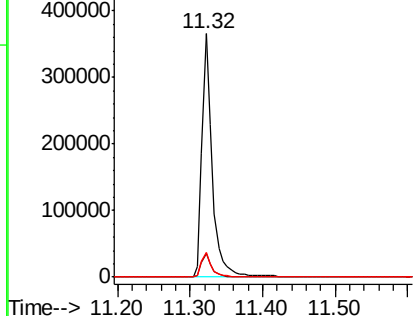
Tgt Ion:188	Resp:	361722
Ion Ratio	Lower	Upper
188	100	
94	9.8	8.1 12.1
80	10.3	8.7 13.1

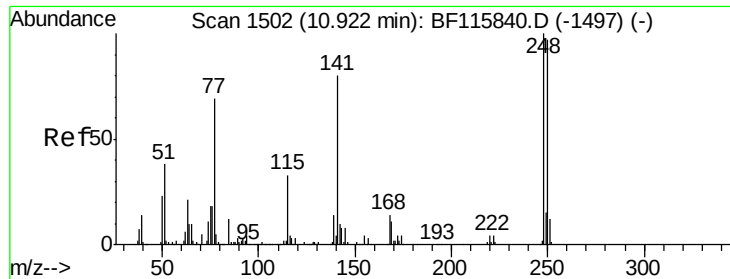


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

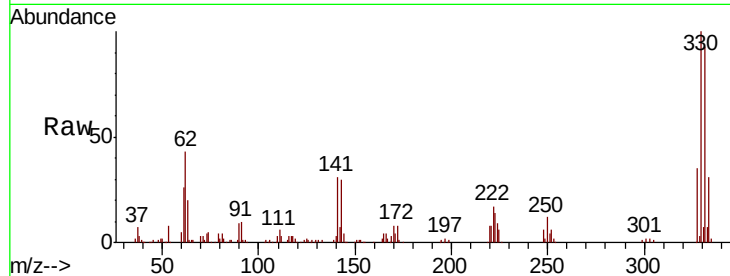




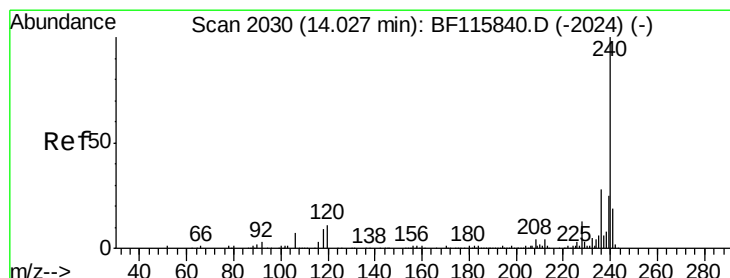
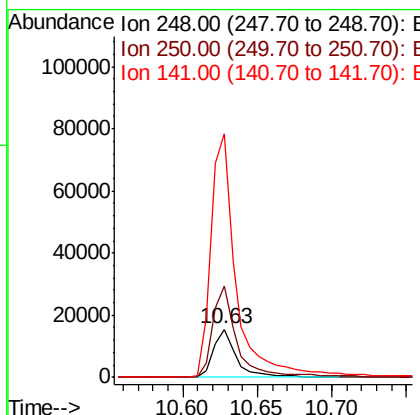
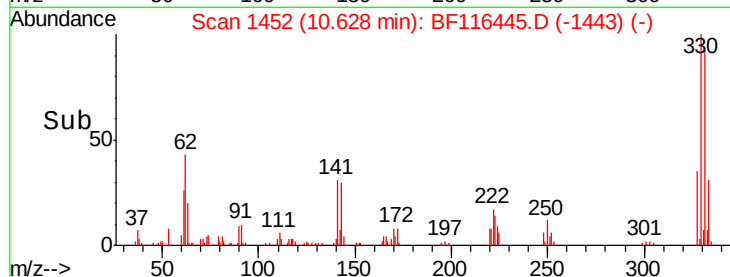
#67
 4-Bromophenyl-phenylether
 Concen: 4.297 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF116445.D
 Acq: 20 Aug 2019 22:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 16638
 Ion Ratio Lower Upper
 248 100
 250 190.4 77.4 116.2#
 141 504.7 56.8 85.2#

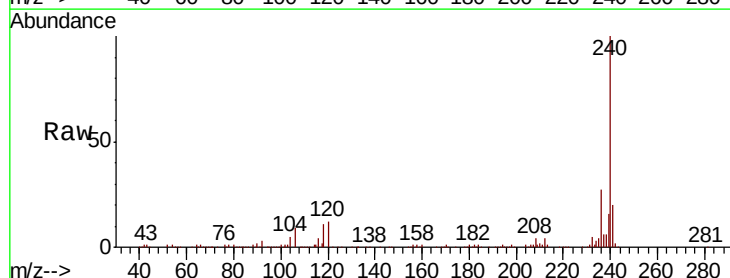


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

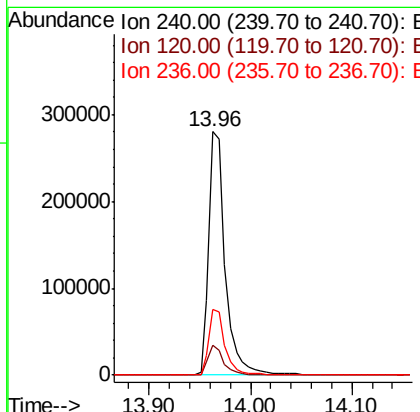
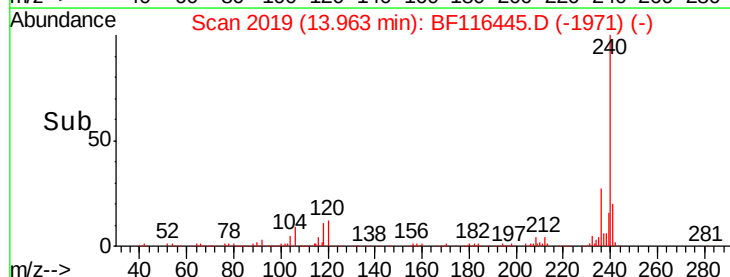


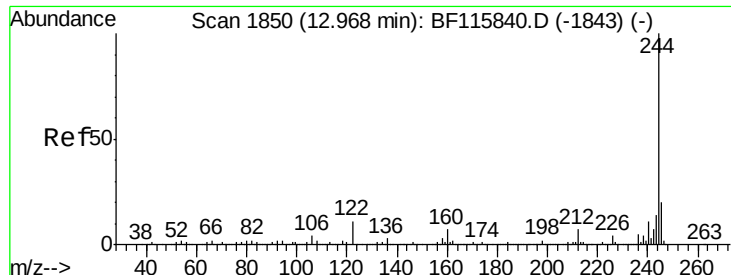
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.02 min
 Lab File: BF116445.D
 Acq: 20 Aug 2019 22:13

Tgt Ion:240 Resp: 317802
 Ion Ratio Lower Upper
 240 100
 120 12.4 10.7 16.1
 236 27.1 22.2 33.2



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: 92.576 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BF116445.D

Acq: 20 Aug 2019 22:13

Instrument :

BNA_F

ClientSampleId :

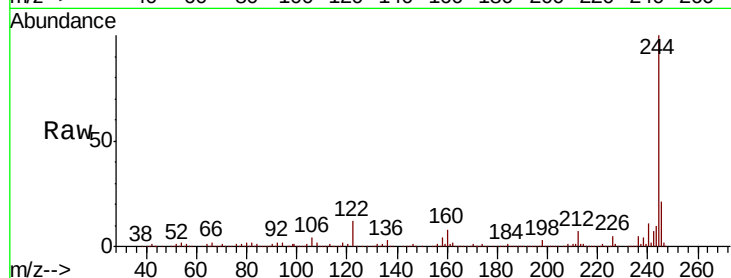
Tot Ion:244 Resp: 1396225

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

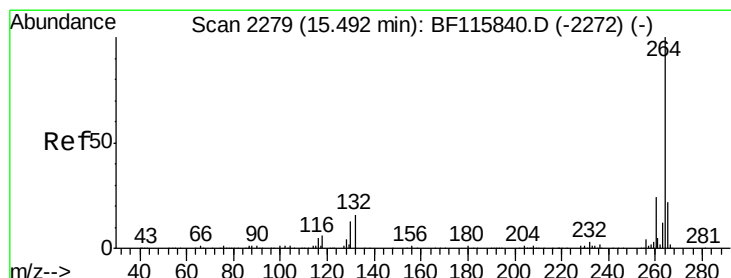
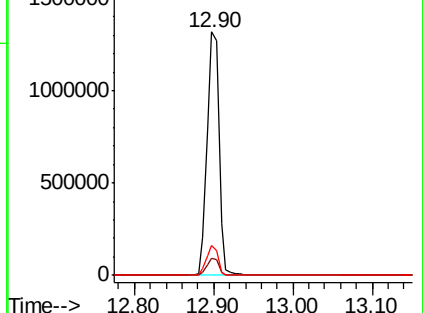
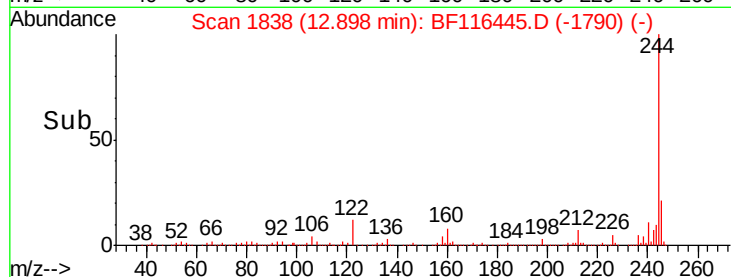
122 12.3 9.0 13.4



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: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF116445.D

Acq: 20 Aug 2019 22:13

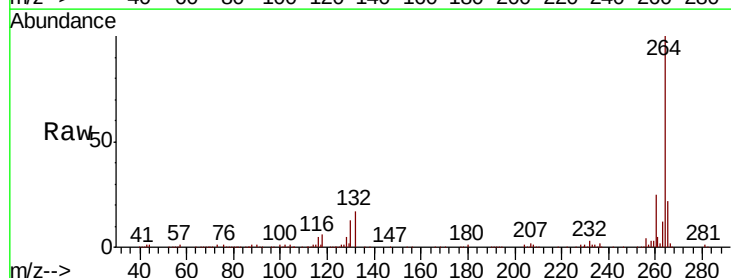
Tgt Ion:264 Resp: 325090

Ion Ratio Lower Upper

264 100

260 24.7 19.7 29.5

265 21.8 17.4 26.0



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

