

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081319\
 Data File : BF116241.D
 Acq On : 13 Aug 2019 20:21
 Operator : HP/JU
 Sample : K4230-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 REACTOR-3A-(0-3)-COMP

Quant Time: Aug 13 23:20:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

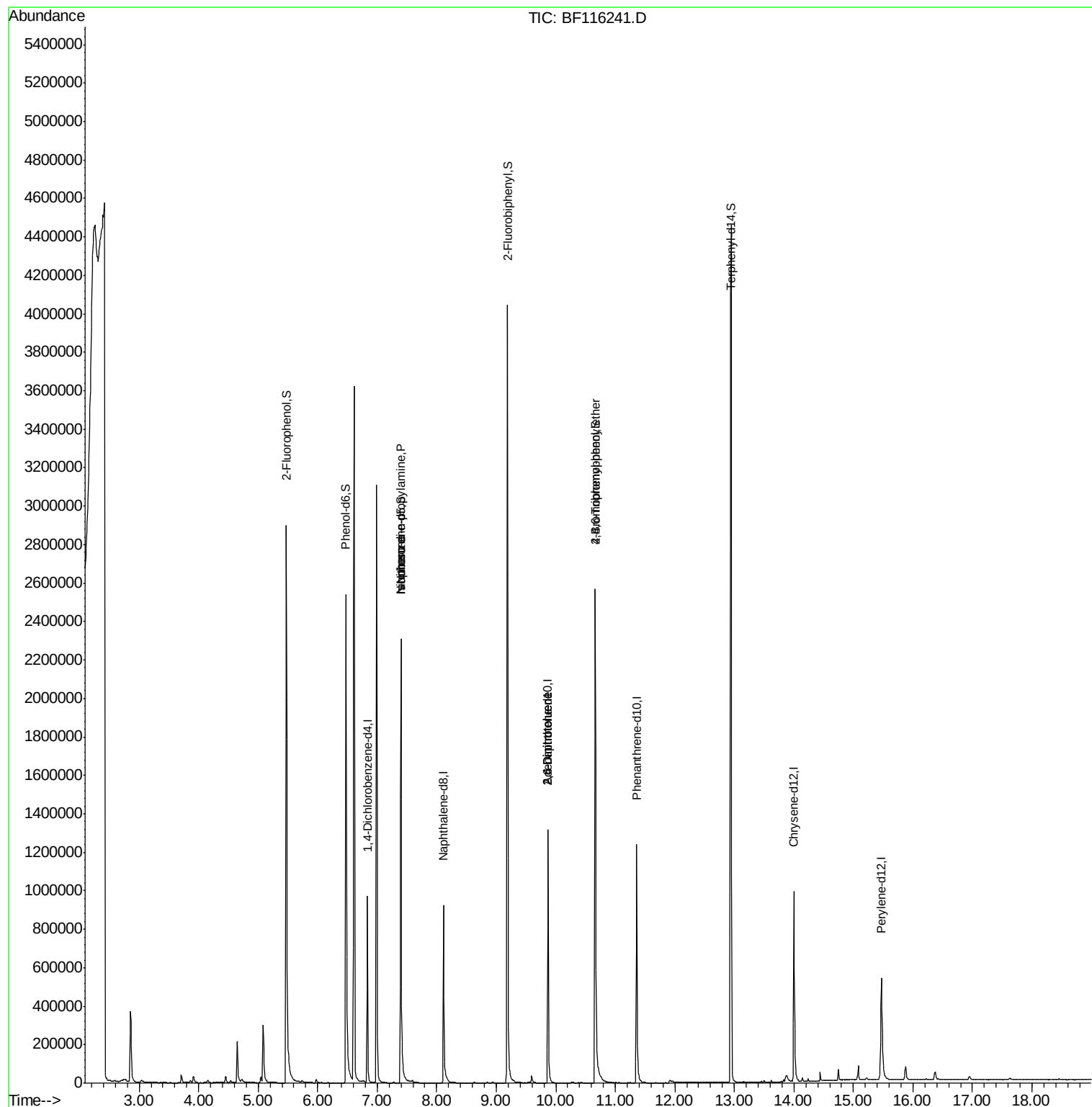
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	139320	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	547637	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	296151	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	558477	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	435301	20.00	ng	0.00
87) Perylene-d12	15.47	264	370026	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	993869	119.42	ng	0.00
7) Phenol-d6	6.47	99	1179494	112.33	ng	-0.01
23) Nitrobenzene-d5	7.40	82	934351	98.48	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	422402	147.11	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1507682	95.36	ng	-0.01
79) Terphenyl-d14	12.94	244	1850212	89.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	122677	18.854	ng	# 79
25) Isophorone	7.40	82	934846	51.532	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	38425	8.769	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	38425	6.586	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	25309	4.233	ng	# 1

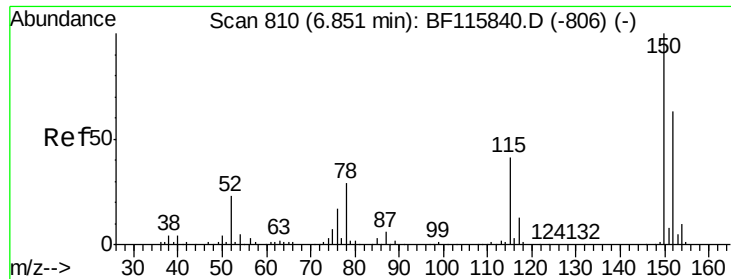
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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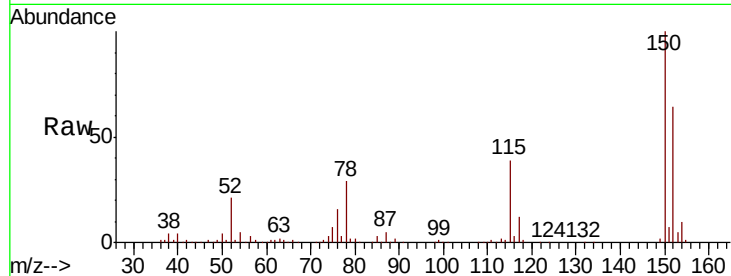


#1

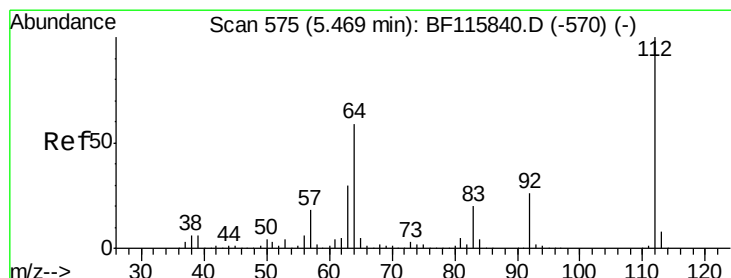
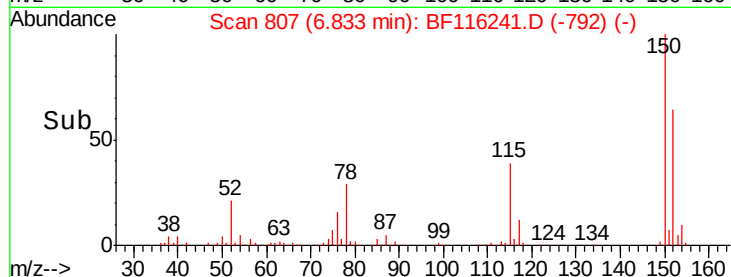
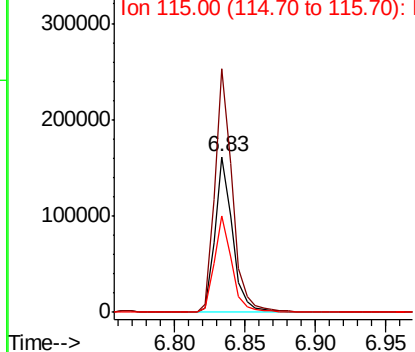
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF116241.D
Acq: 13 Aug 2019 20:21

Instrument :
BNA_F
ClientSampleId :
REACTOR-3A-(0-3)-COMP

Tgt Ion:152 Resp: 139320
Ion Ratio Lower Upper
152 100
150 156.1 126.2 189.2
115 61.6 49.9 74.9



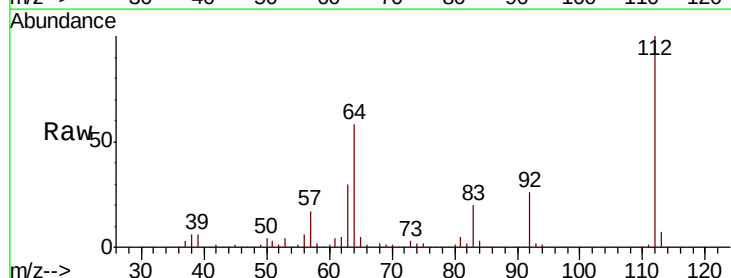
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



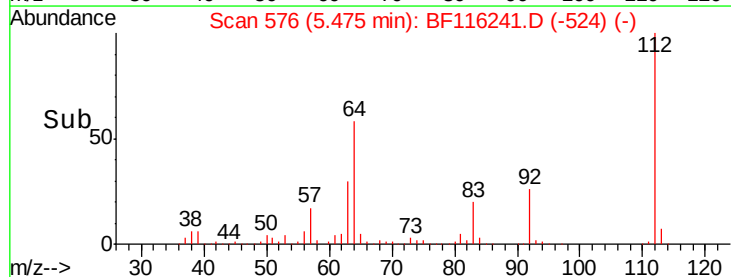
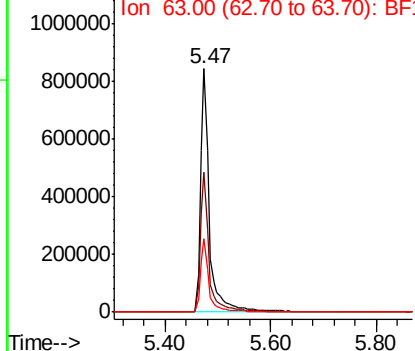
#5

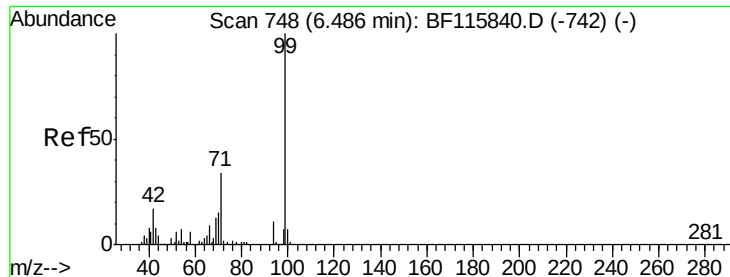
2-Fluorophenol
Concen: 119.423 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116241.D
Acq: 13 Aug 2019 20:21

Tgt Ion:112 Resp: 993869
Ion Ratio Lower Upper
112 100
64 57.6 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: 112.333 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116241.D

Acq: 13 Aug 2019 20:21

Instrument :

BNA_F

ClientSampleId :

REACTOR-3A-(0-3)-COMP

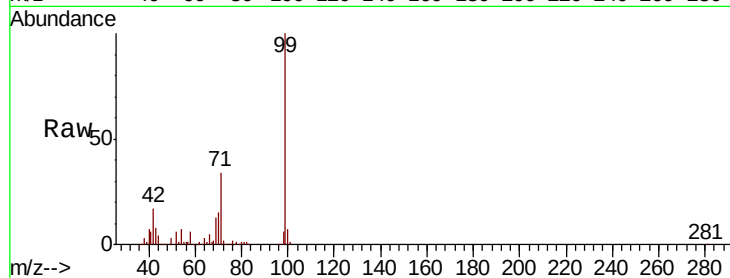
Tgt Ion: 99 Resp: 1179494

Ion Ratio Lower Upper

99 100

42 17.2 13.8 20.8

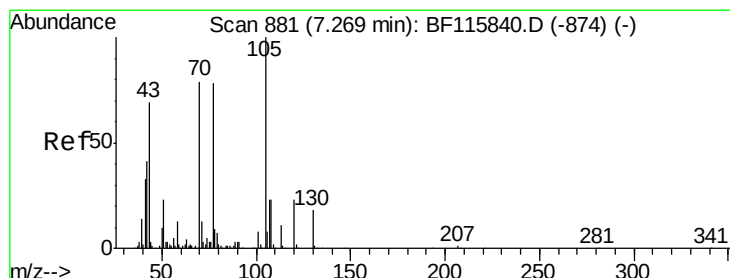
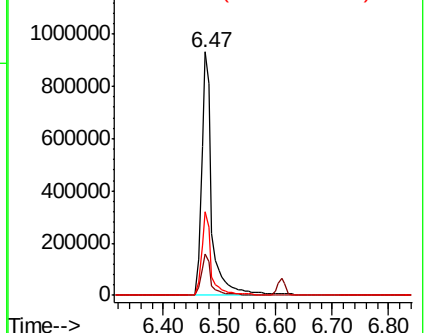
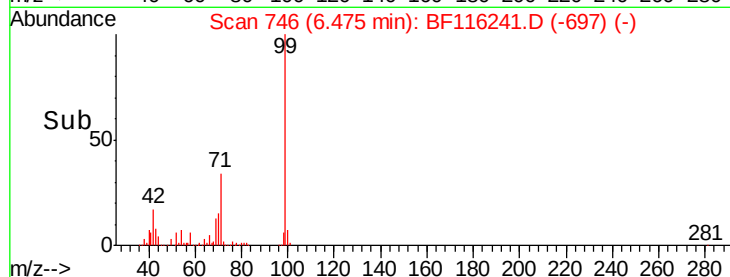
71 34.3 27.3 40.9



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: 18.854 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116241.D

Acq: 13 Aug 2019 20:21

Tgt Ion: 70 Resp: 122677

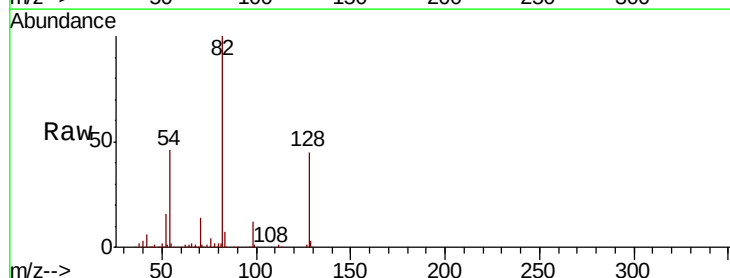
Ion Ratio Lower Upper

70 100

42 42.9 40.9 61.3

101 0.0 7.9 11.9#

130 2.1 16.9 25.3#

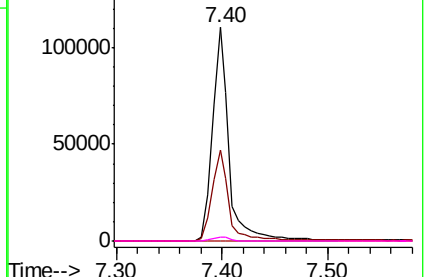
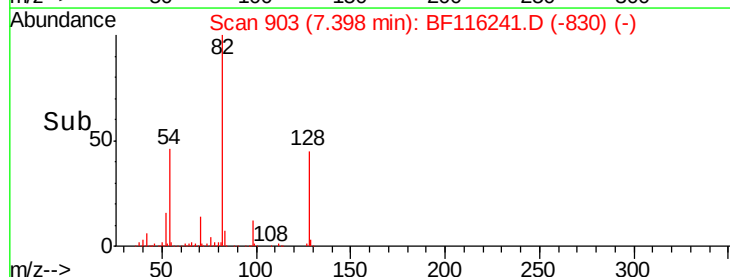


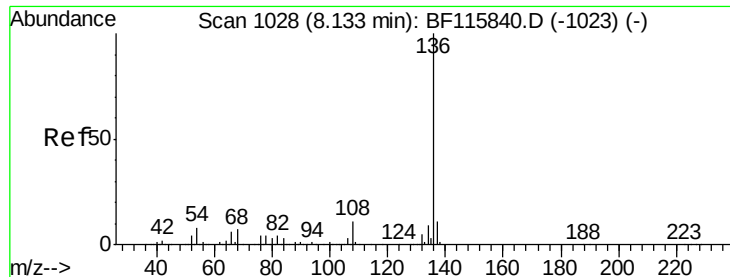
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

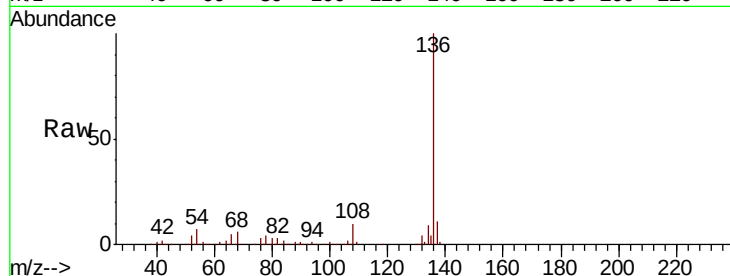




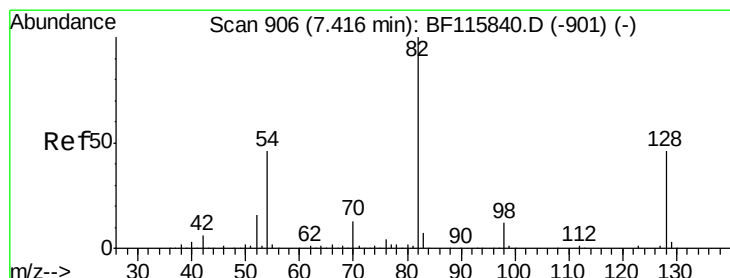
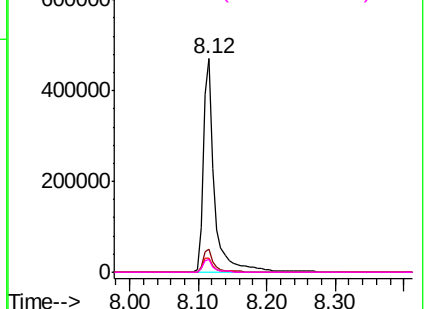
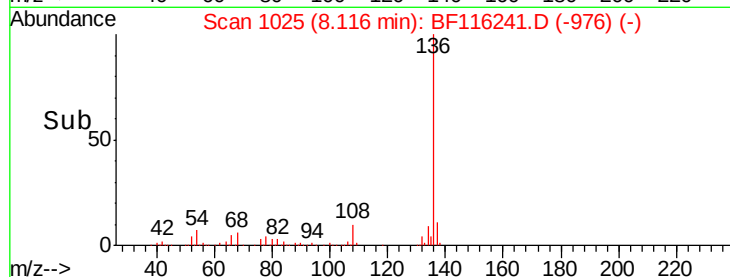
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116241.D
Acq: 13 Aug 2019 20:21

Instrument :
BNA_F
ClientSampleId :
REACTOR-3A-(0-3)-COMP

Tgt Ion:	136	Resp:	547637
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.6	5.8	8.6
68	5.8	5.2	7.8

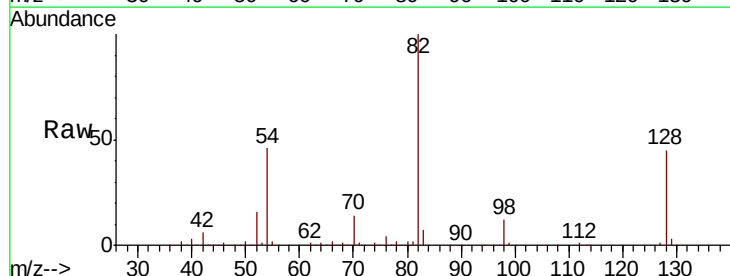


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

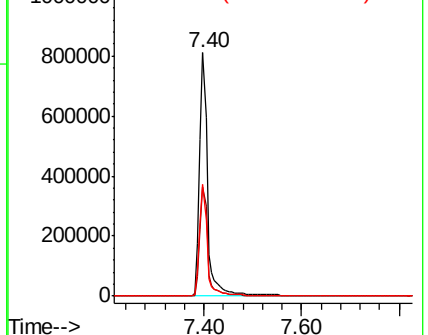
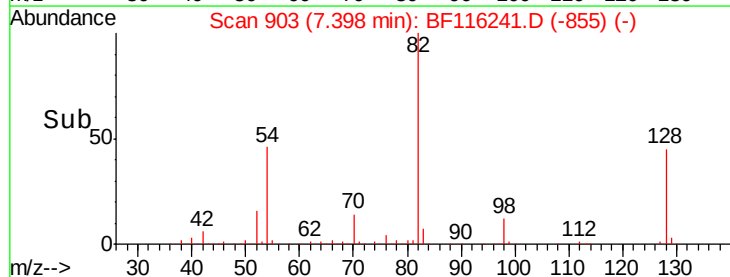


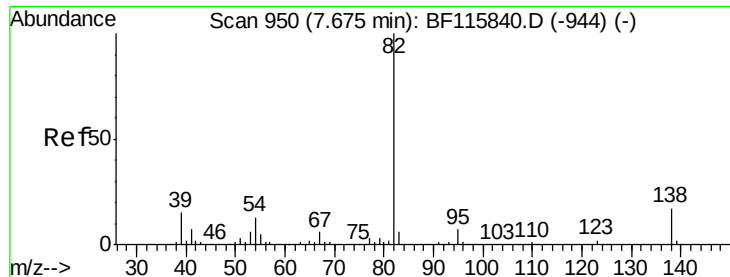
#23
Nitrobenzene-d5
Concen: 98.484 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116241.D
Acq: 13 Aug 2019 20:21

Tgt Ion:	82	Resp:	934351
Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.5	54.7
54	45.8	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

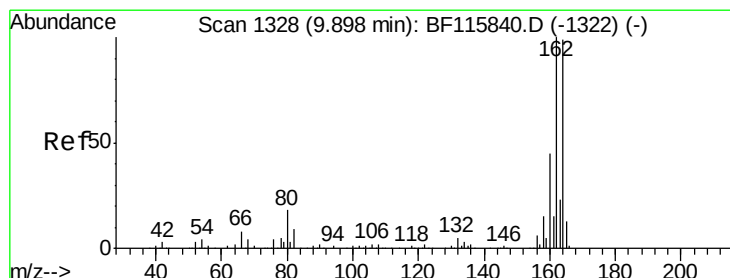
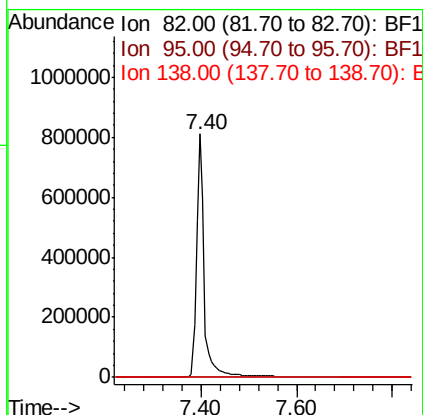
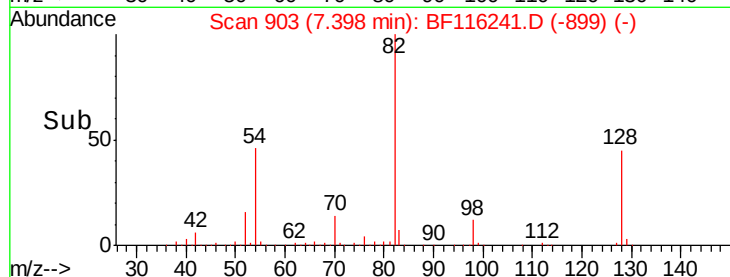
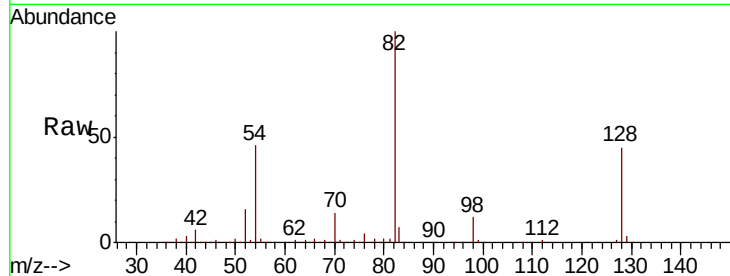




#25
Isophorone
Concen: 51.532 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.28 min
Lab File: BF116241.D
Acq: 13 Aug 2019 20:21

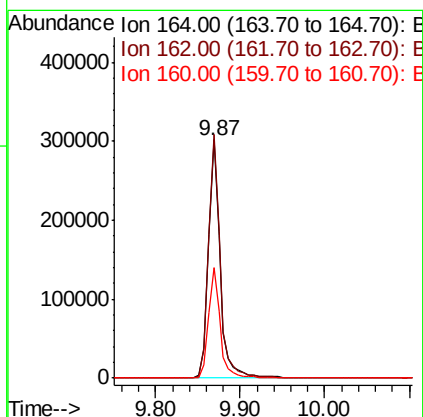
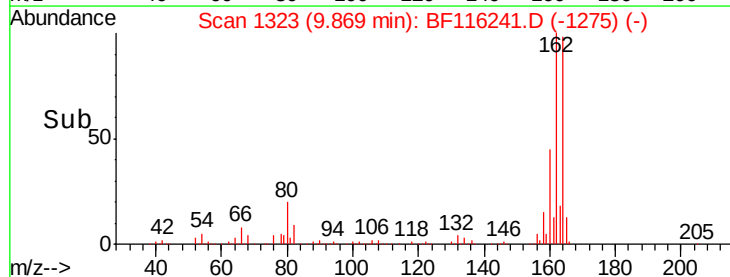
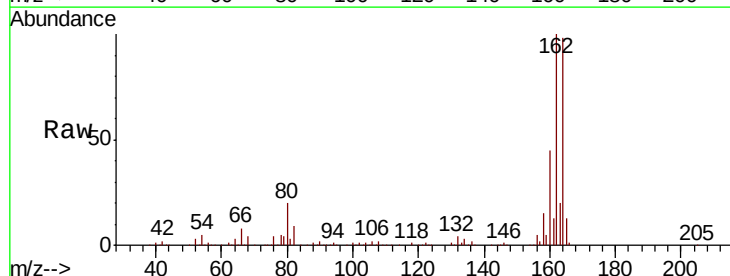
Instrument :
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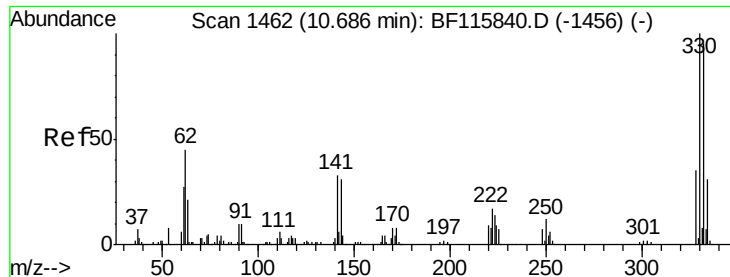
Tgt Ion: 82 Resp: 934846
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116241.D
Acq: 13 Aug 2019 20:21

Tgt Ion: 164 Resp: 296151
Ion Ratio Lower Upper
164 100
162 102.2 82.6 124.0
160 46.2 37.6 56.4

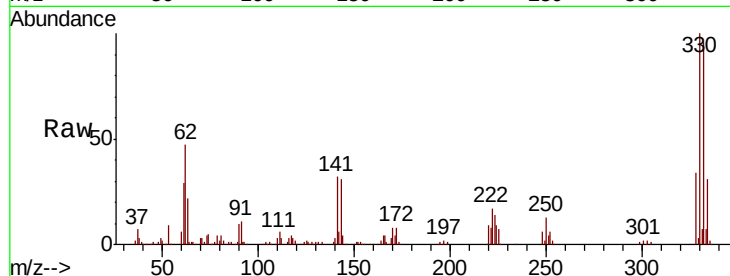




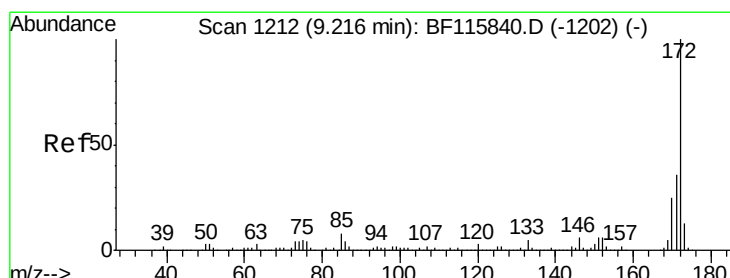
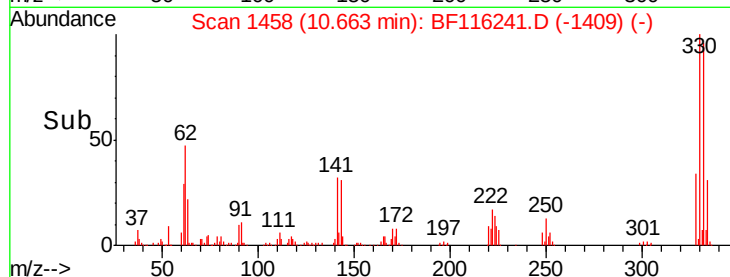
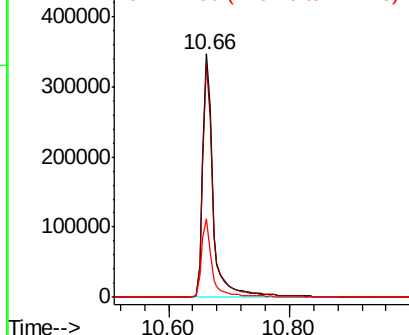
#42
 2,4,6-Tribromophenol
 Concen: 147.113 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116241.D
 Acq: 13 Aug 2019 20:21

Instrument :
 BNA_F
 ClientSampleId :
 REACTOR-3A-(0-3)-COMP

Tgt Ion:330 Resp: 422402
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.8 115.2
 141 33.2 26.3 39.5

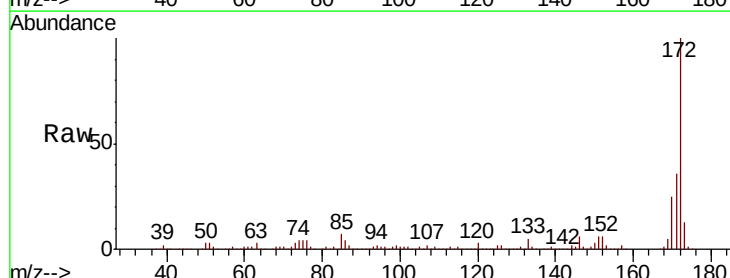


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

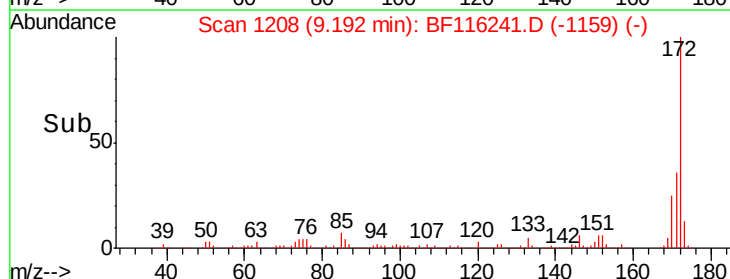
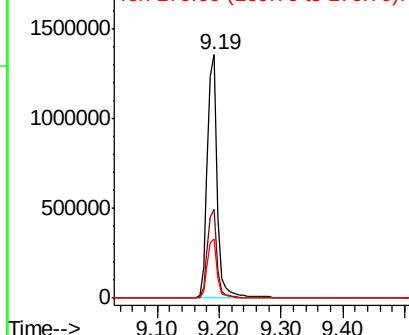


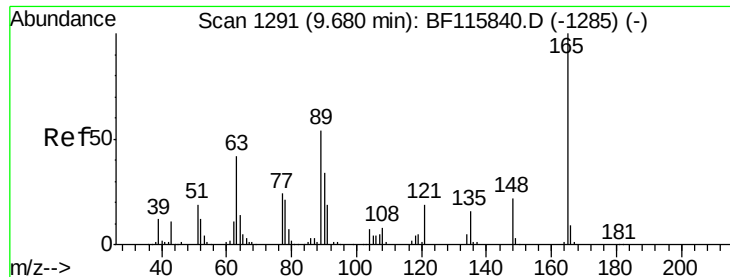
#45
 2-Fluorobiphenyl
 Concen: 95.357 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116241.D
 Acq: 13 Aug 2019 20:21

Tgt Ion:172 Resp: 1507682
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 24.6 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





#51

2,6-Dinitrotoluene

Concen: 8.769 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.19 min

Lab File: BF116241.D

Acq: 13 Aug 2019 20:21

Instrument :

BNA_F

ClientSampleId :

REACTOR-3A-(0-3)-COMP

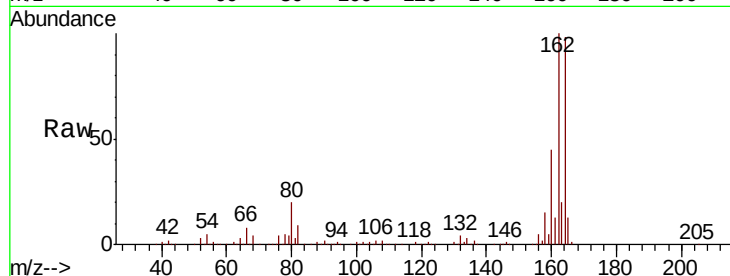
Tgt Ion:165 Resp: 38425

Ion Ratio Lower Upper

165 100

63 1.1 38.2 57.2#

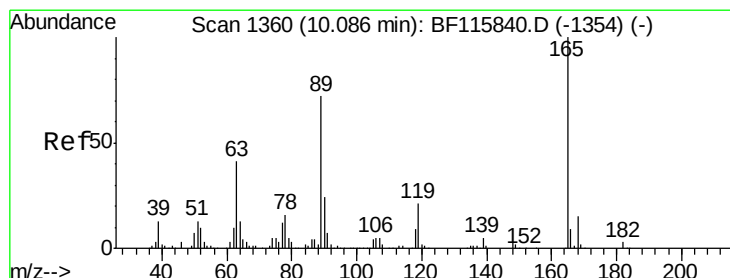
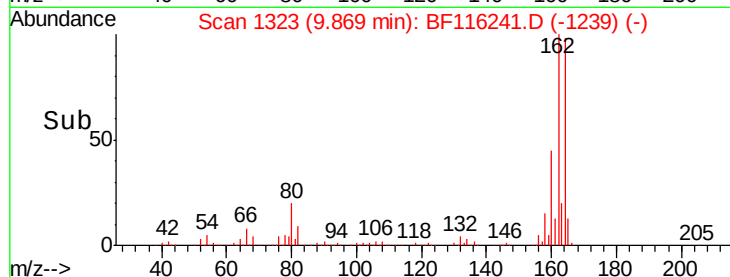
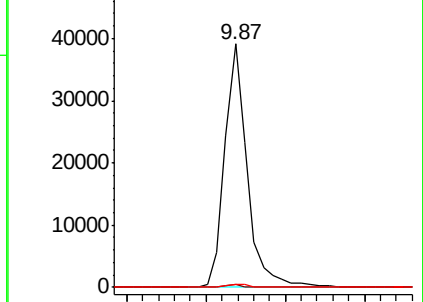
89 1.2 42.9 64.3#



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: 6.586 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF116241.D

Acq: 13 Aug 2019 20:21

Tgt Ion:165 Resp: 38425

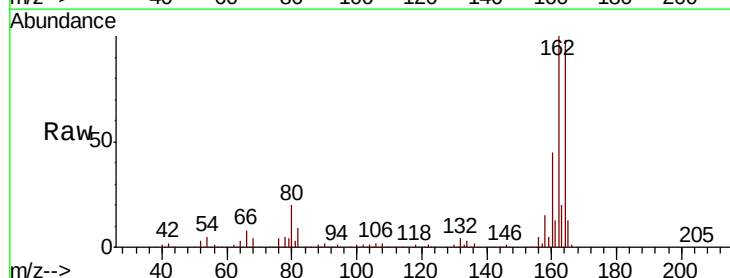
Ion Ratio Lower Upper

165 100

63 1.1 39.6 59.4#

89 1.2 62.2 93.2#

182 0.0 2.1 3.1#

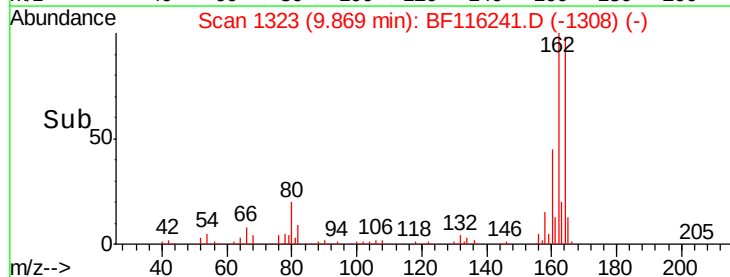
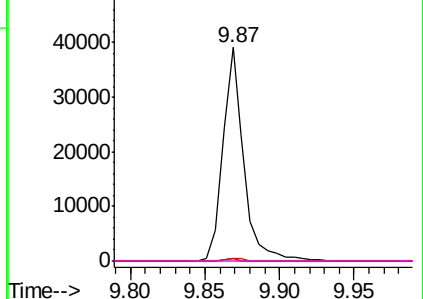


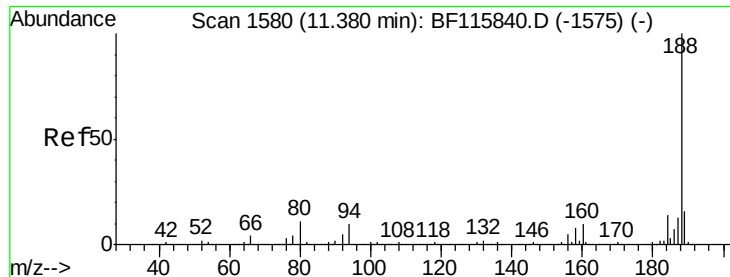
Abundance Ion 165.00 (164.70 to 165.70): E

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): BF1

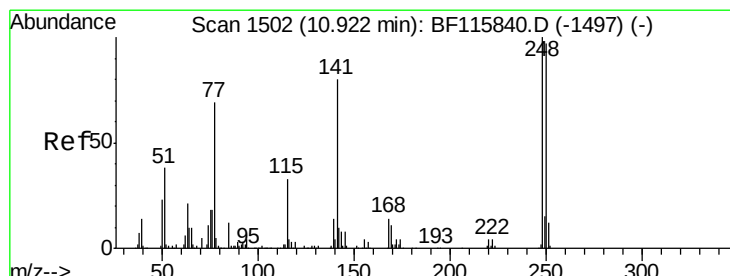
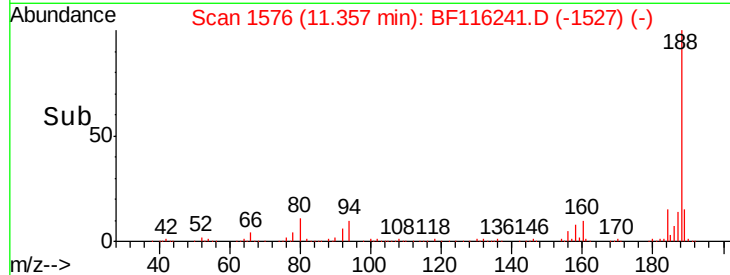
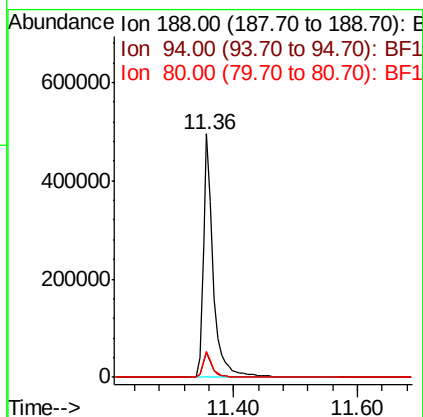
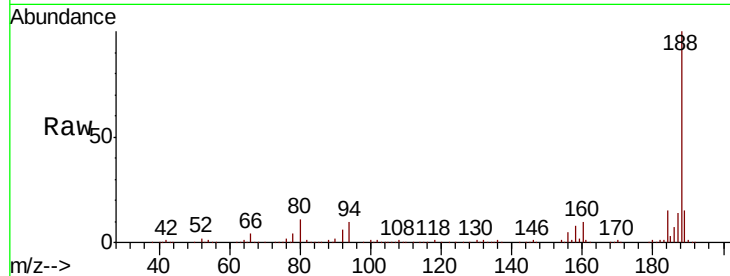




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116241.D
 Acq: 13 Aug 2019 20:21

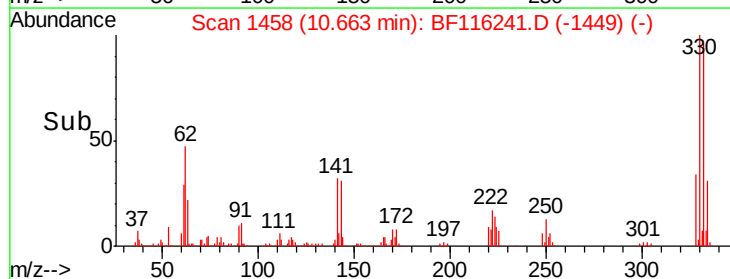
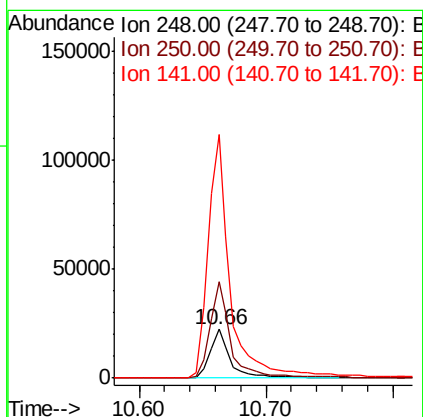
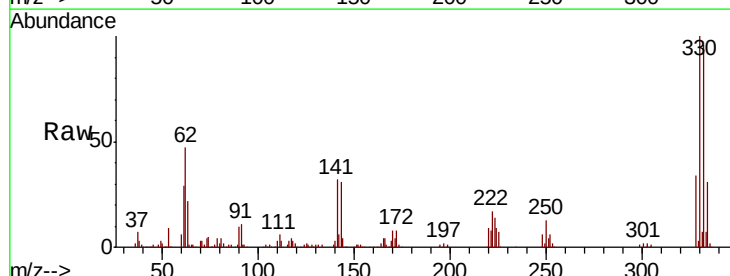
Instrument :
 BNA_F
 ClientSampleId :
 REACTOR-3A-(0-3)-COMP

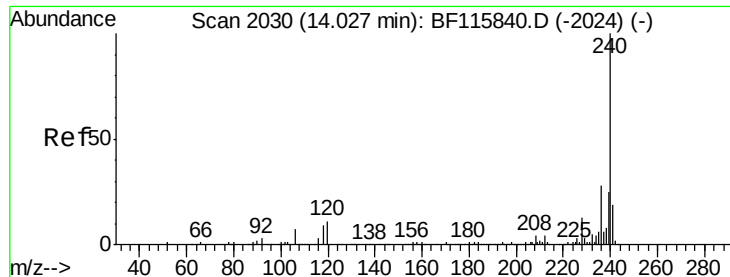
Tgt Ion:188 Resp: 558477
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.1 12.1
 80 10.9 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.233 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116241.D
 Acq: 13 Aug 2019 20:21

Tgt Ion:248 Resp: 25309
 Ion Ratio Lower Upper
 248 100
 250 197.7 77.4 116.2#
 141 500.7 56.8 85.2#

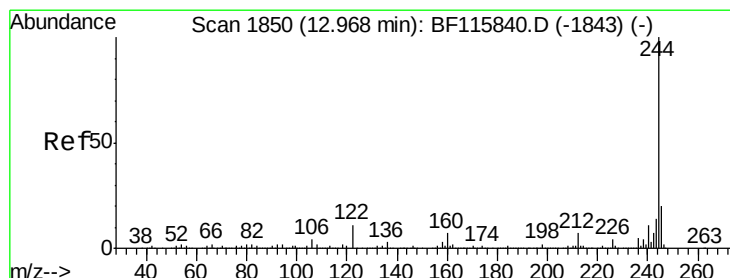
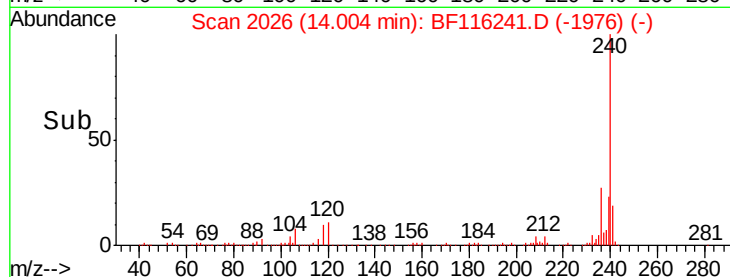
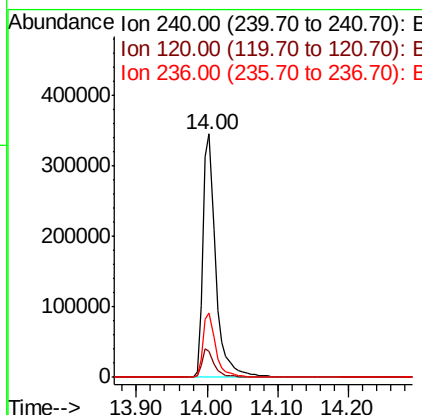
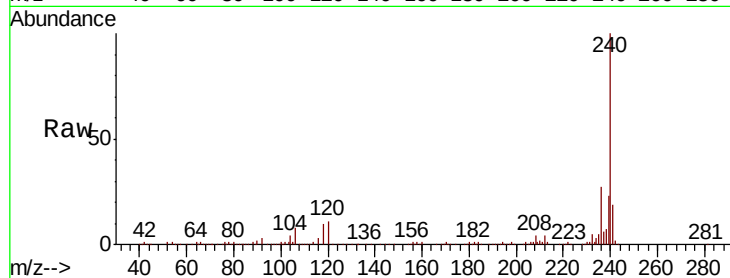




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116241.D
Acq: 13 Aug 2019 20:21

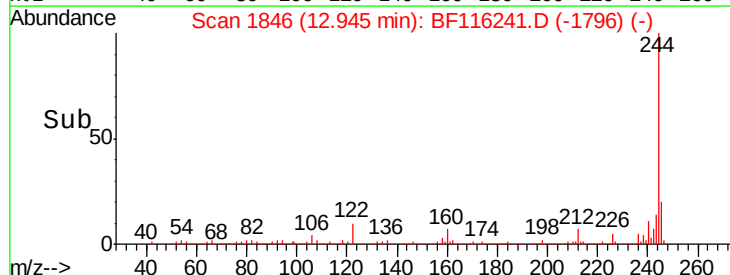
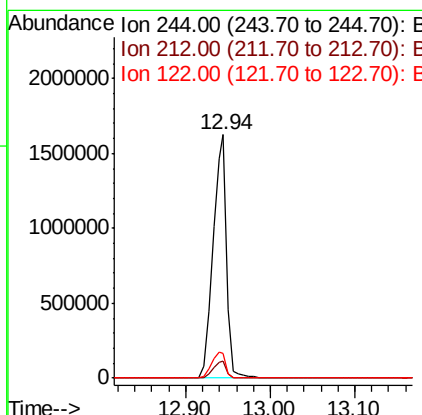
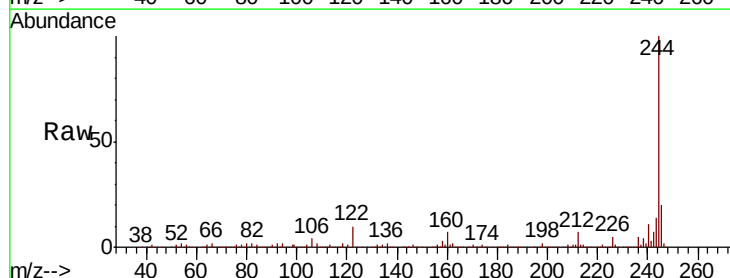
Instrument :
BNA_F
ClientSampleId :
REACTOR-3A-(0-3)-COMP

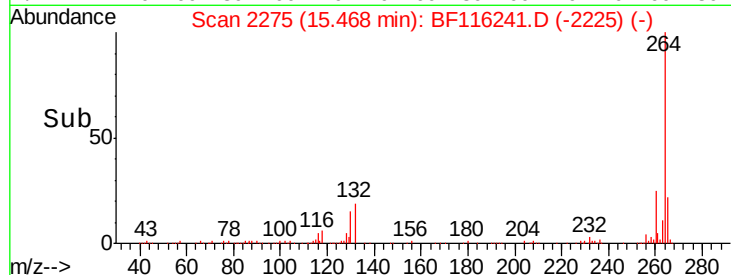
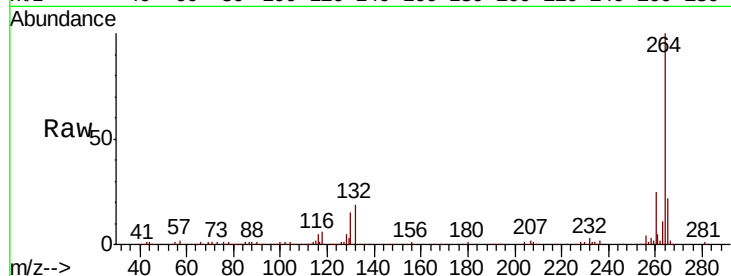
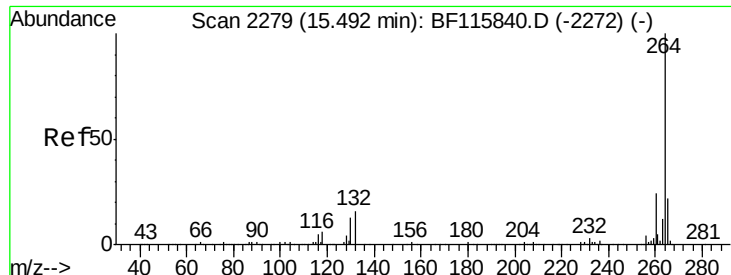
Tgt Ion:240 Resp: 435301
Ion Ratio Lower Upper
240 100
120 10.9 10.7 16.1
236 26.7 22.2 33.2



#79
Terphenyl-d14
Concen: 89.563 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116241.D
Acq: 13 Aug 2019 20:21

Tgt Ion:244 Resp: 1850212
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 10.4 9.0 13.4





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116241.D
Acq: 13 Aug 2019 20:21

Instrument :
BNA_F
ClientSampleId :
REACTOR-3A-(0-3)-COMP

Tgt Ion:	264	Resp:	370026
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	22.3	17.4	26.0

