

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081319\
 Data File : BF116242.D
 Acq On : 13 Aug 2019 20:48
 Operator : HP/JU
 Sample : K4230-18
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Aug 13 23:20:14 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

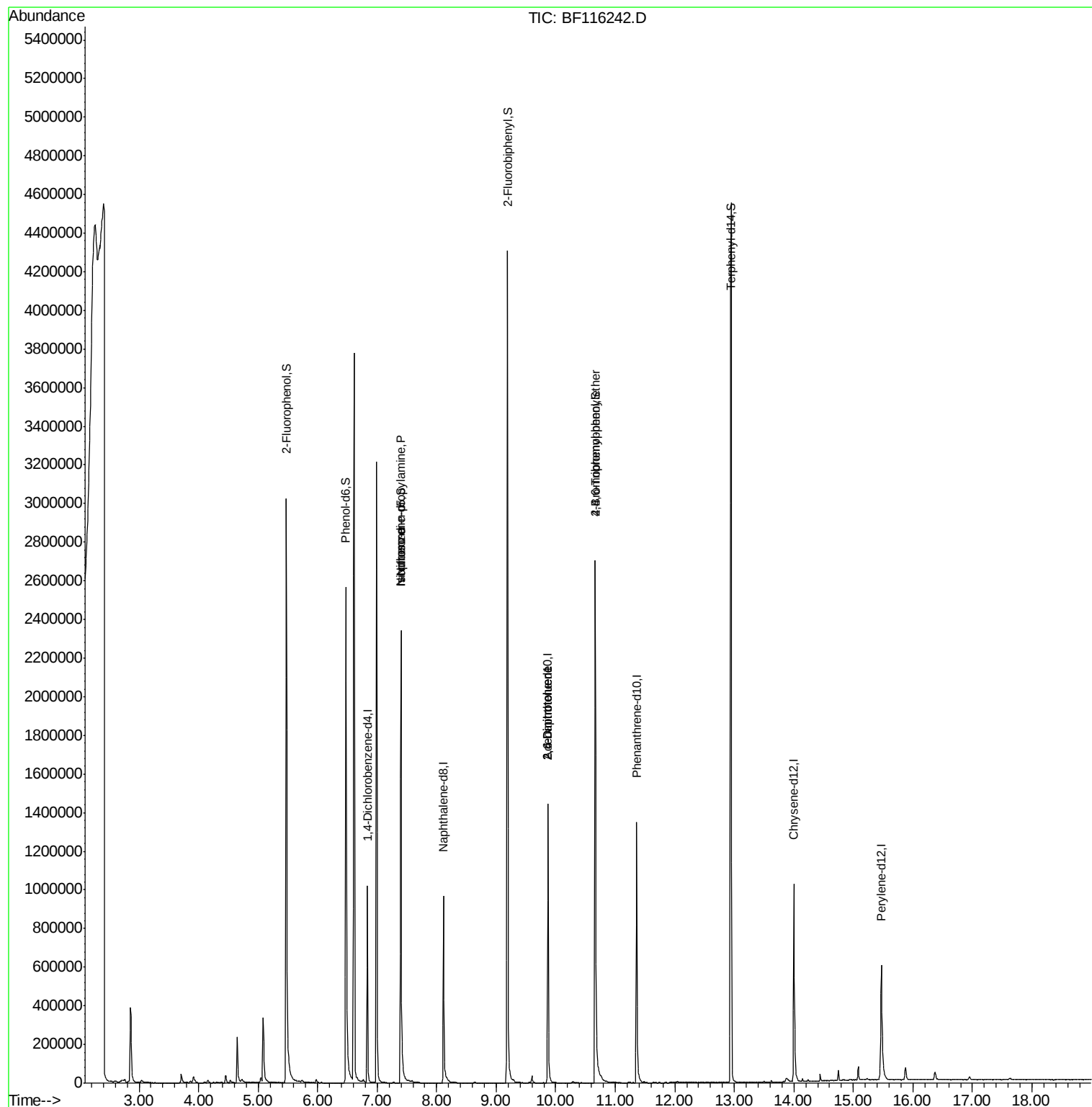
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	150618	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	597088	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	323530	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	605015	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	460779	20.00	ng	0.00
87) Perylene-d12	15.47	264	395235	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1029518	114.43	ng	0.00
7) Phenol-d6	6.47	99	1181181	104.06	ng	-0.01
23) Nitrobenzene-d5	7.40	82	999443	96.62	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	448897	143.11	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1580446	91.50	ng	-0.01
79) Terphenyl-d14	12.95	244	1915076	87.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	130669	18.576	ng	# 81
25) Isophorone	7.40	82	999499	50.533	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	41154	8.597	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	41155	6.457	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	26573	4.103	ng	# 1

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

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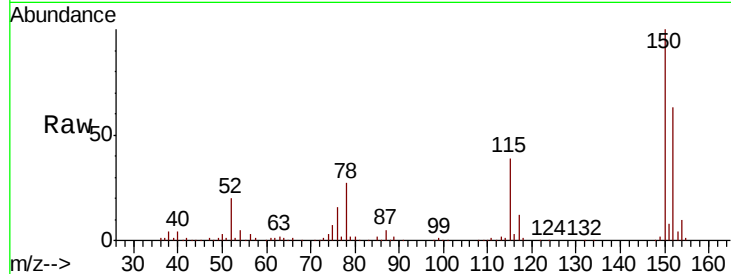


#1

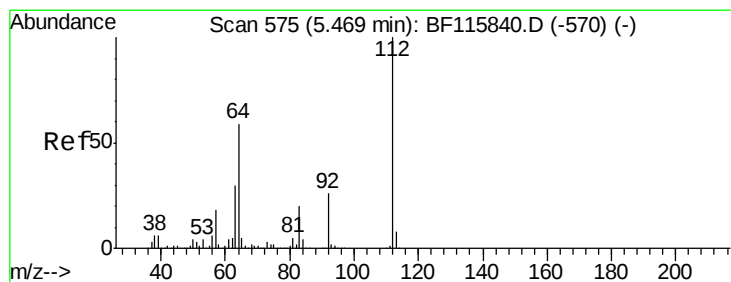
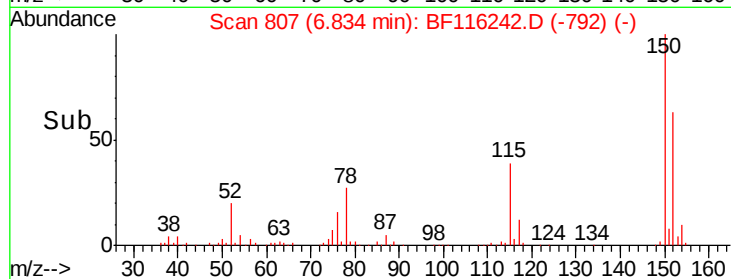
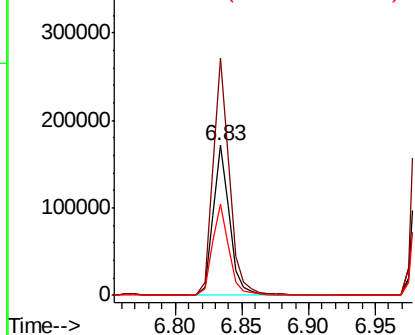
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF116242.D
Acq: 13 Aug 2019 20:48

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

Tgt Ion:152 Resp: 150618
Ion Ratio Lower Upper
152 100
150 158.7 126.2 189.2
115 61.3 49.9 74.9



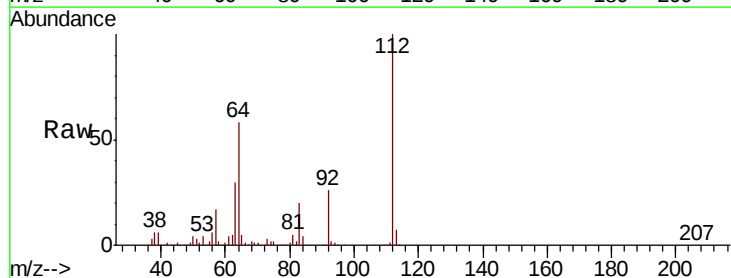
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



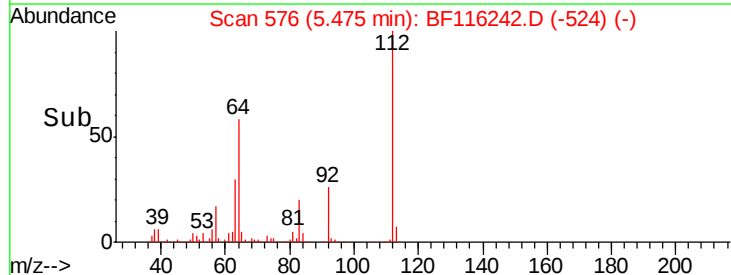
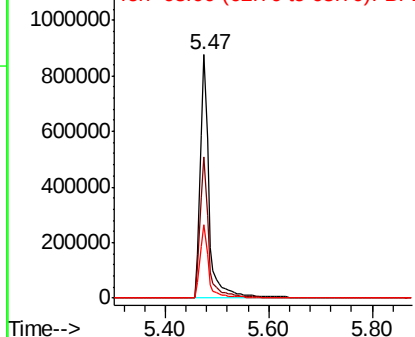
#5

2-Fluorophenol
Concen: 114.427 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116242.D
Acq: 13 Aug 2019 20:48

Tgt Ion:112 Resp: 1029518
Ion Ratio Lower Upper
112 100
64 58.1 45.4 68.2
63 30.2 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: 104.055 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

Instrument :

BNA_F

ClientSampleId :

REACTOR-3E-(0-3)-COMP

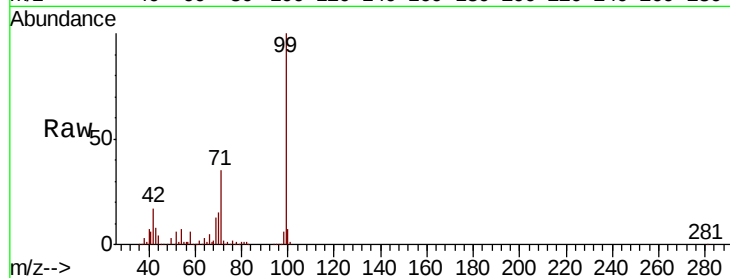
Tgt Ion: 99 Resp: 1181181

Ion Ratio Lower Upper

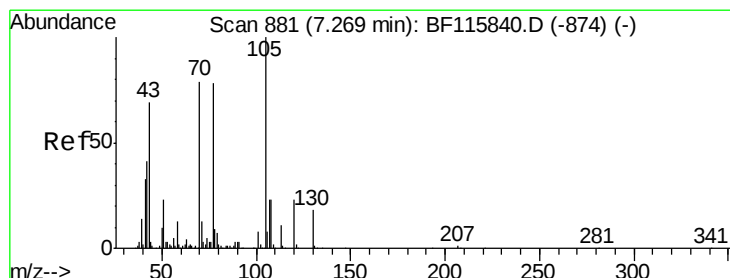
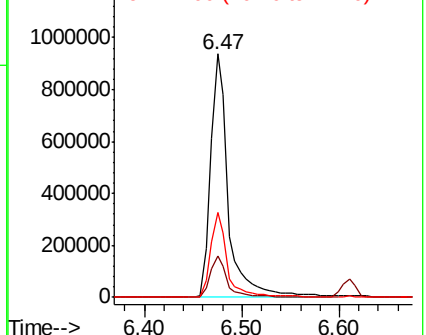
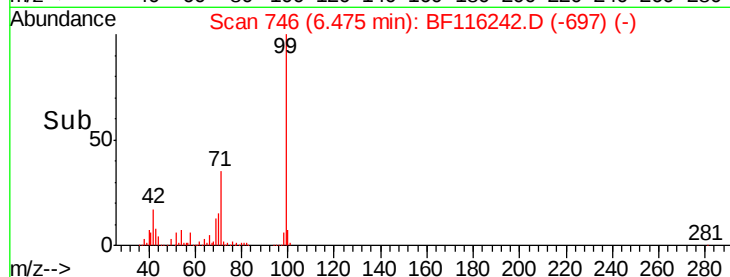
99 100

42 17.2 13.8 20.8

71 34.7 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: 18.576 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

Tgt Ion: 70 Resp: 130669

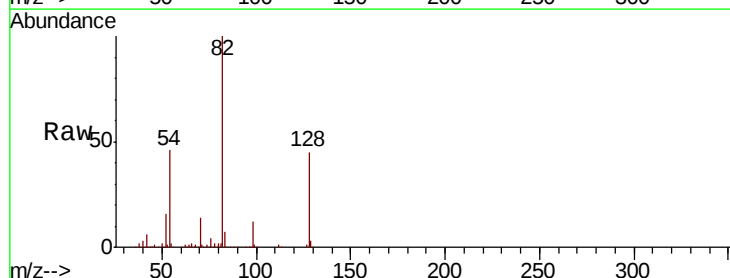
Ion Ratio Lower Upper

70 100

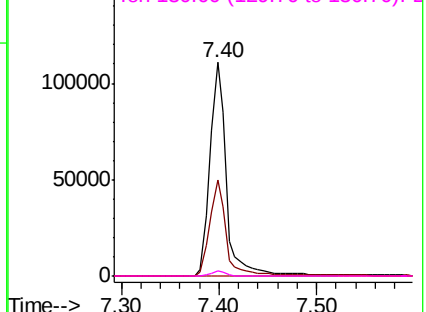
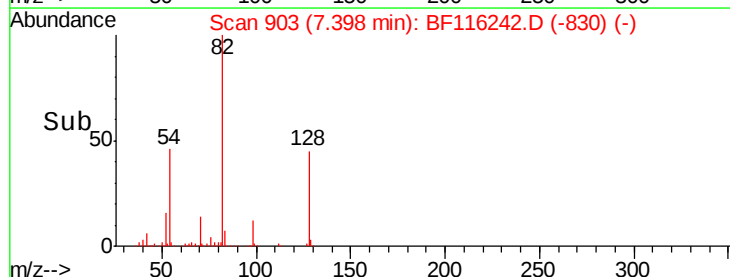
42 45.1 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 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

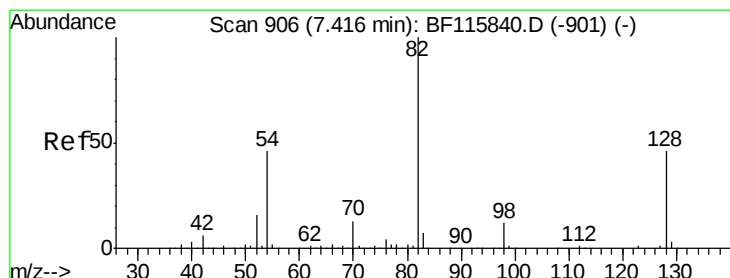
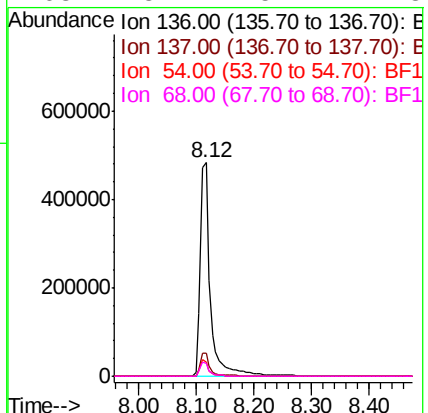
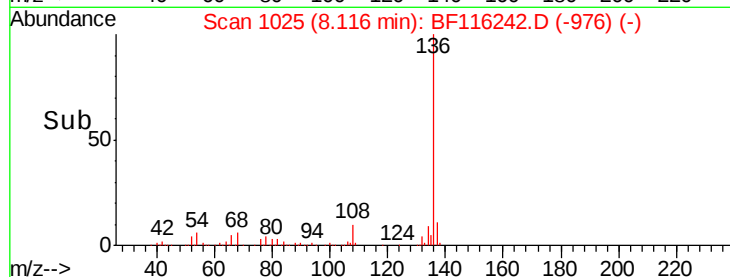
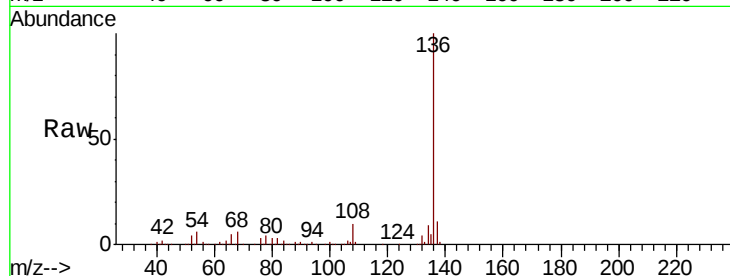




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116242.D
Acq: 13 Aug 2019 20:48

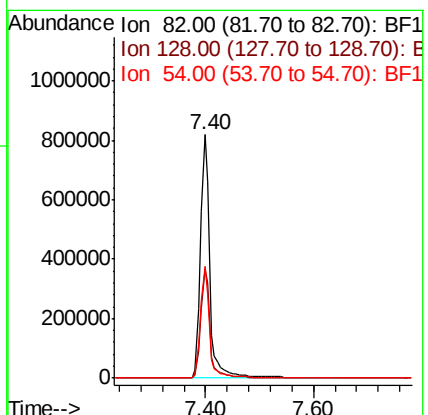
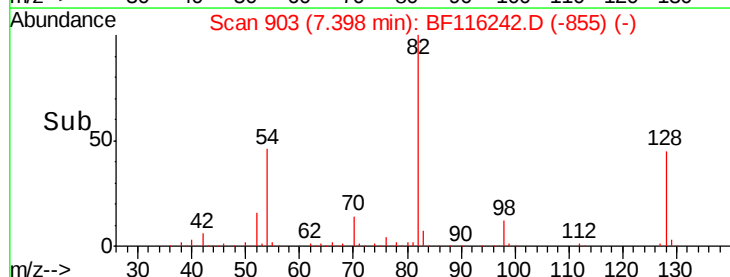
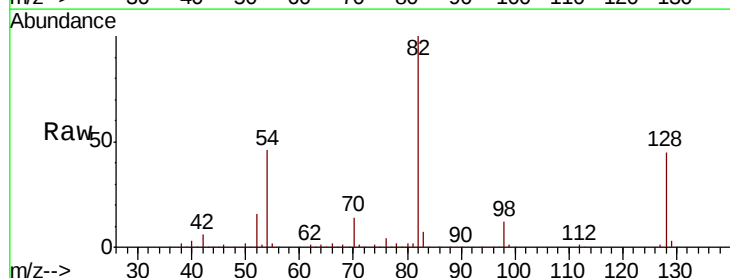
Instrument :
BNA_F
ClientSampleId :
REACTOR-3E-(0-3)-COMP

Tgt Ion:	136	Resp:	597088
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.5	5.8	8.6
68	5.7	5.2	7.8



#23
Nitrobenzene-d5
Concen: 96.621 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116242.D
Acq: 13 Aug 2019 20:48

Tgt Ion:	82	Resp:	999443
Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.5	54.7
54	45.9	36.0	54.0





#25

Isophorone

Concen: 50.533 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

Instrument :

BNA_F

ClientSampleId :

REACTOR-3E-(0-3)-COMP

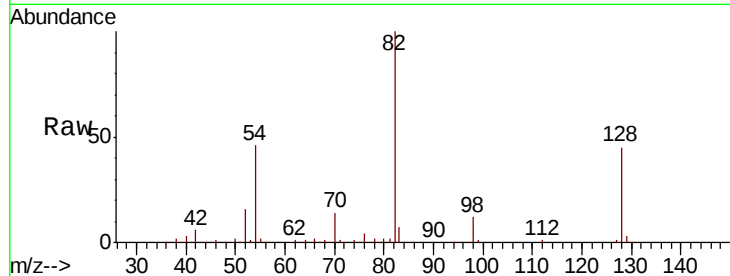
Tgt Ion: 82 Resp: 999499

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

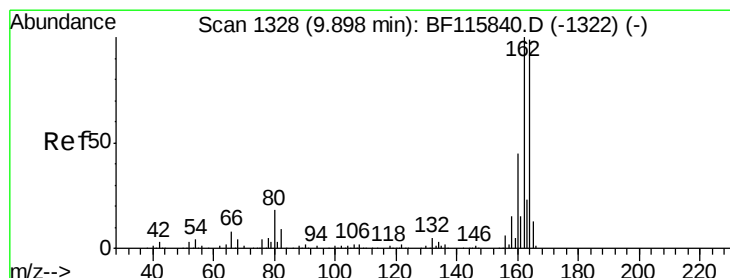
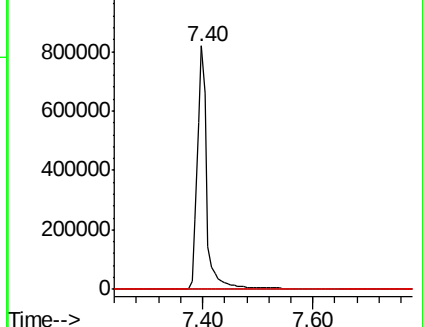
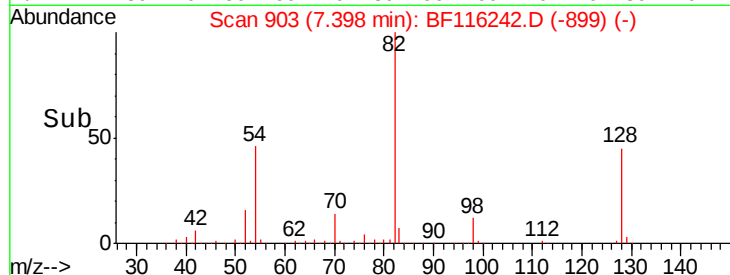
138 0.0 14.5 21.7#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

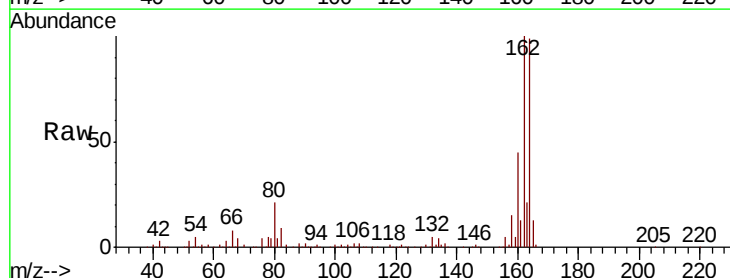
Tgt Ion: 164 Resp: 323530

Ion Ratio Lower Upper

164 100

162 101.2 82.6 124.0

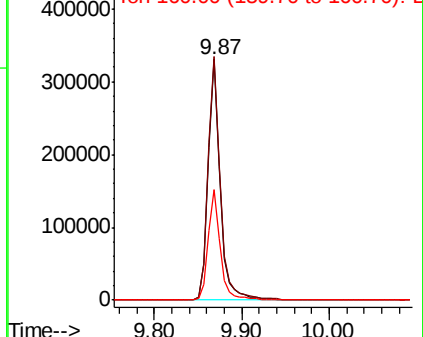
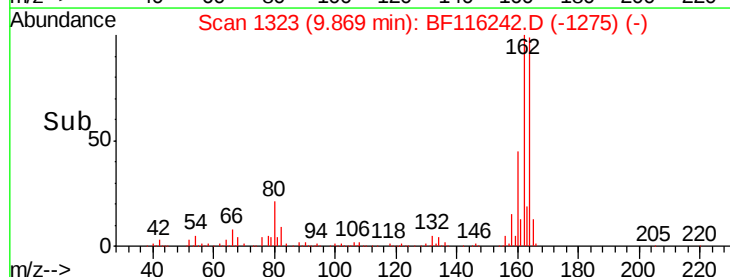
160 45.7 37.6 56.4



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

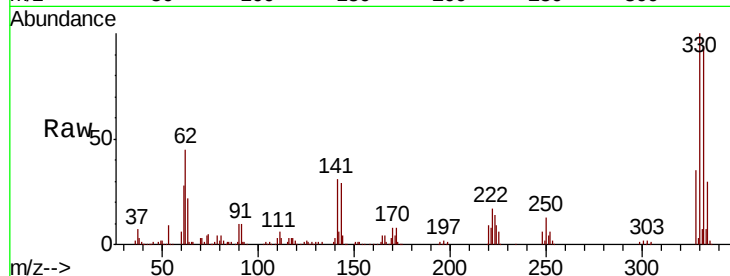




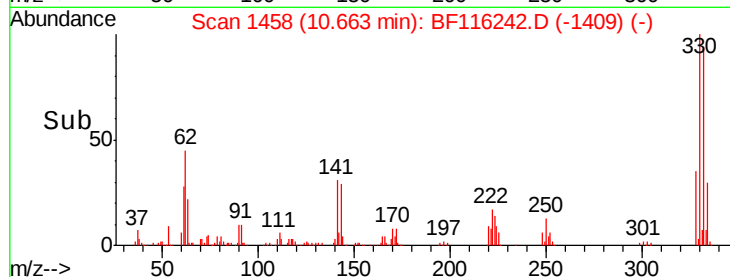
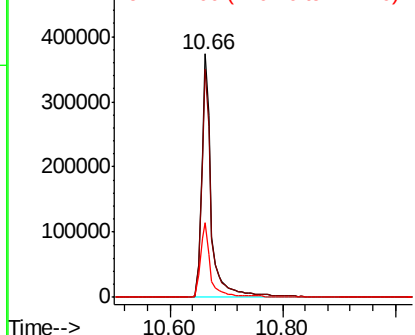
#42
 2,4,6-Tribromophenol
 Concen: 143.111 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116242.D
 Acq: 13 Aug 2019 20:48

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

Tgt Ion:330 Resp: 448897
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.8 115.2
 141 32.8 26.3 39.5

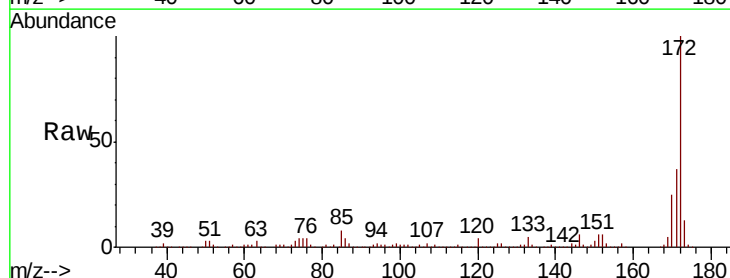


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

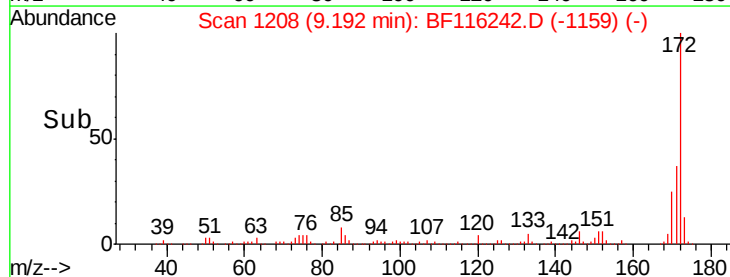
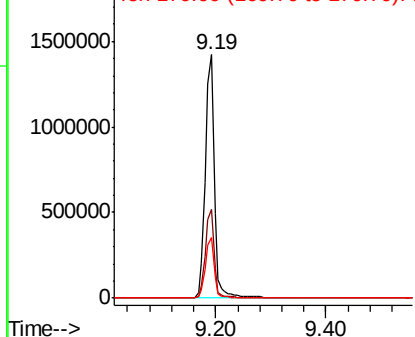


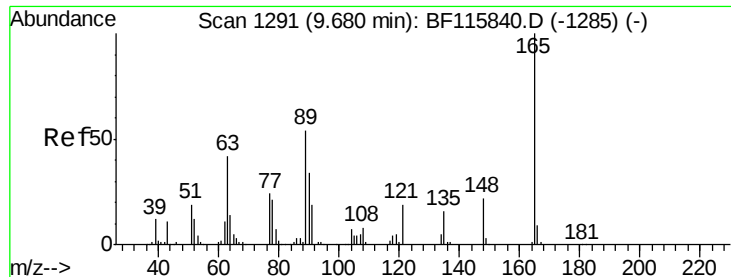
#45
 2-Fluorobiphenyl
 Concen: 91.500 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116242.D
 Acq: 13 Aug 2019 20:48

Tgt Ion:172 Resp: 1580446
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 25.1 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: 8.597 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.19 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

Instrument :

BNA_F

ClientSampleId :

REACTOR-3E-(0-3)-COMP

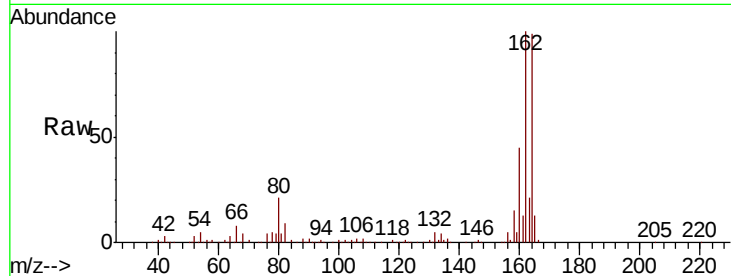
Tgt Ion:165 Resp: 41154

Ion Ratio Lower Upper

165 100

63 1.3 38.2 57.2#

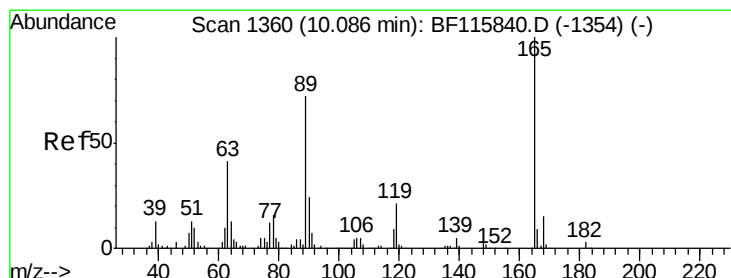
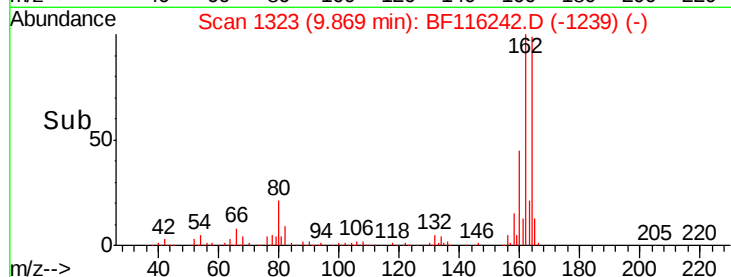
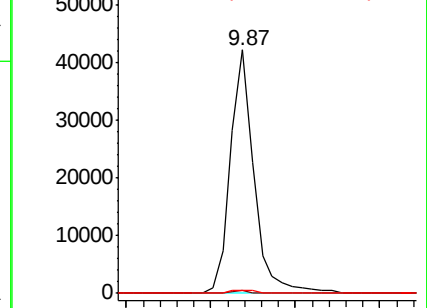
89 1.4 42.9 64.3#



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: 6.457 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

Tgt Ion:165 Resp: 41155

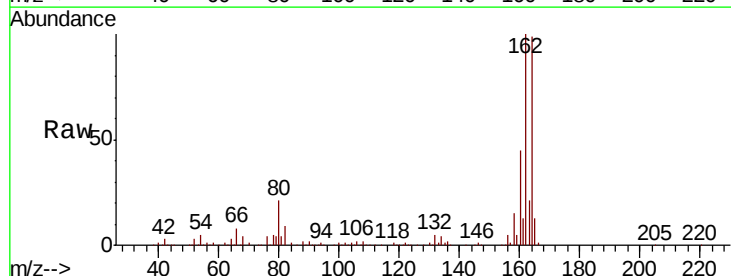
Ion Ratio Lower Upper

165 100

63 1.3 39.6 59.4#

89 1.4 62.2 93.2#

182 0.0 2.1 3.1#

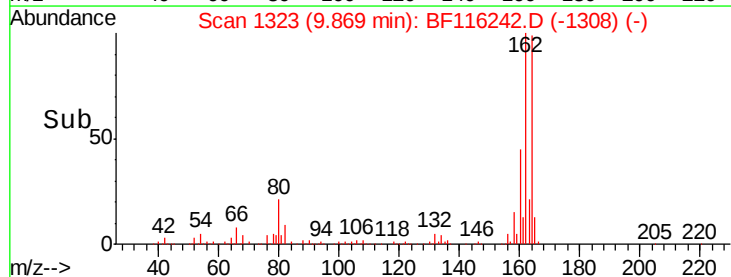
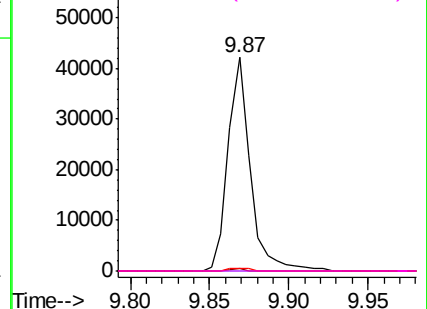


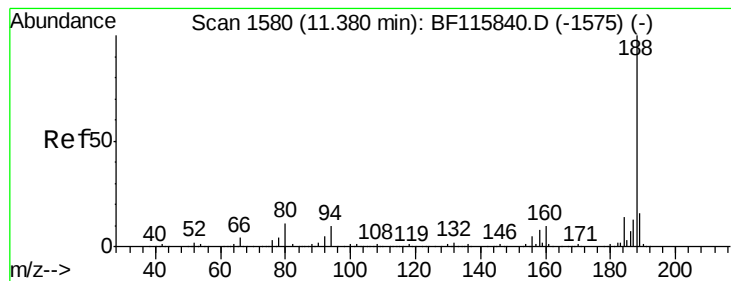
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

Instrument :

BNA_F

ClientSampleId :

REACTOR-3E-(0-3)-COMP

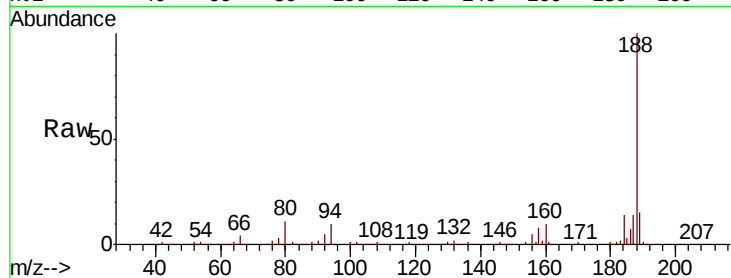
Tgt Ion:188 Resp: 605015

Ion Ratio Lower Upper

188 100

94 9.9 8.1 12.1

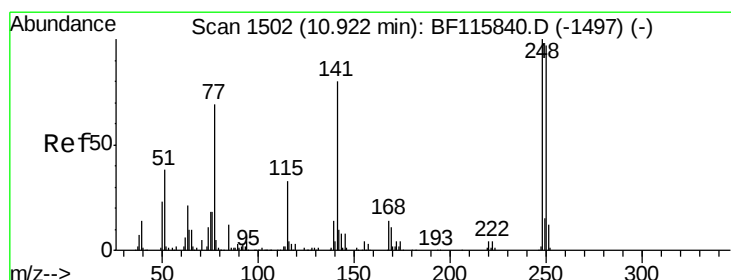
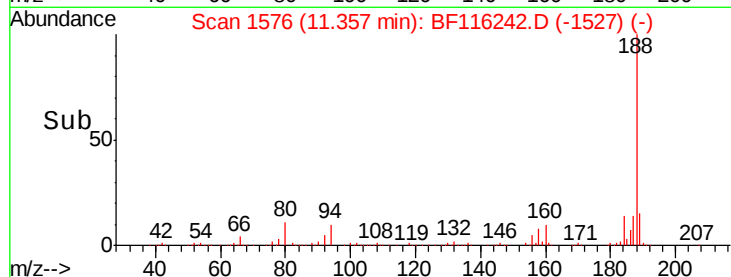
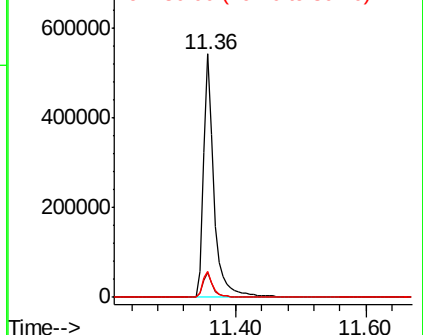
80 10.7 8.7 13.1



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: 4.103 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

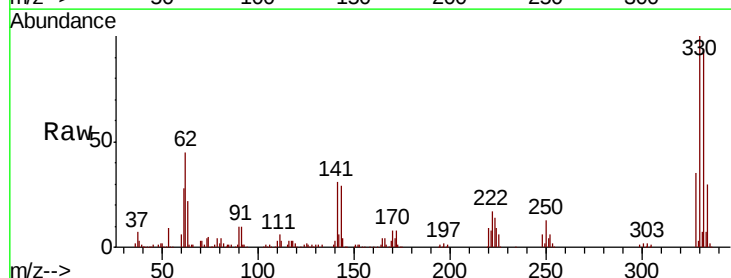
Tgt Ion:248 Resp: 26573

Ion Ratio Lower Upper

248 100

250 205.3 77.4 116.2#

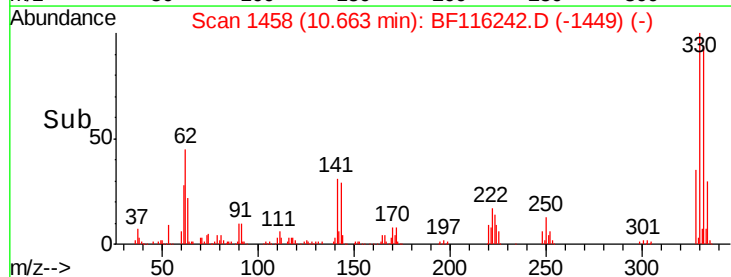
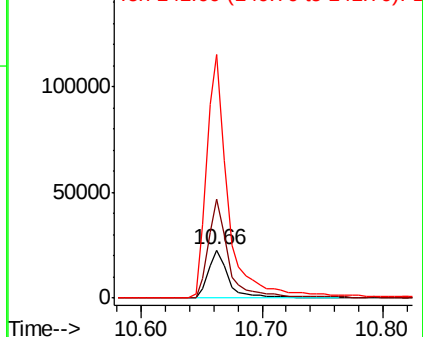
141 505.5 56.8 85.2#

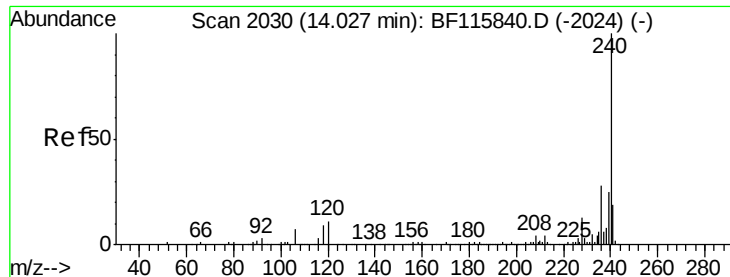


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

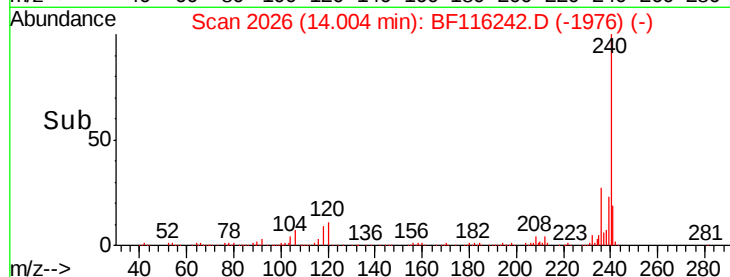
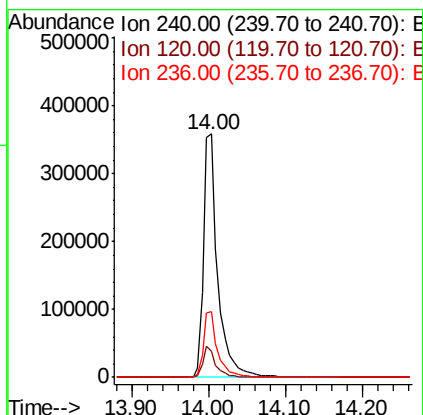
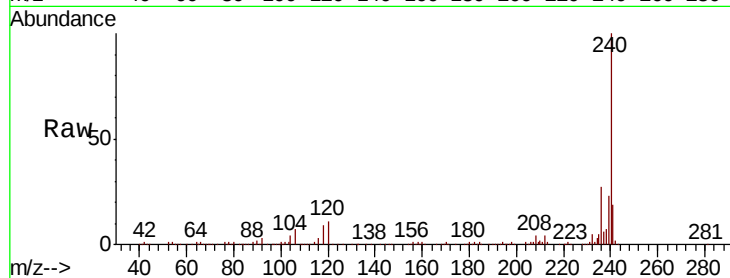




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116242.D
Acq: 13 Aug 2019 20:48

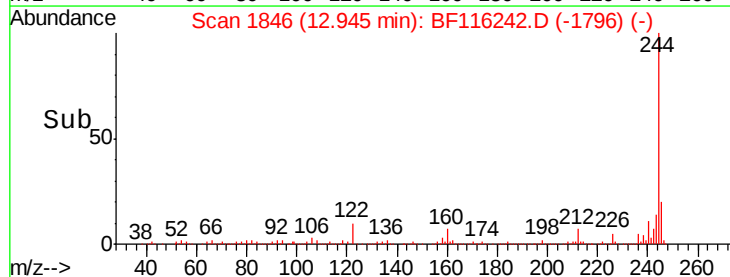
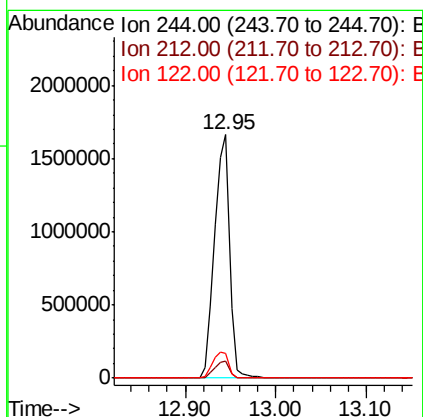
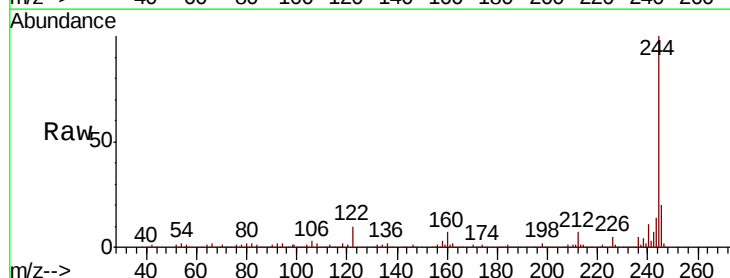
Instrument :
BNA_F
ClientSampleId :
REACTOR-3E-(0-3)-COMP

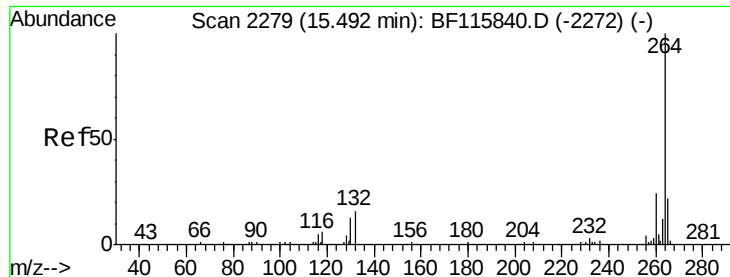
Tgt Ion:240 Resp: 460779
Ion Ratio Lower Upper
240 100
120 10.7 10.7 16.1#
236 27.0 22.2 33.2



#79
Terphenyl-d14
Concen: 87.577 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116242.D
Acq: 13 Aug 2019 20:48

Tgt Ion:244 Resp: 1915076
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 10.2 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: BF116242.D

Acq: 13 Aug 2019 20:48

Instrument :

BNA_F

ClientSampleId :

REACTOR-3E-(0-3)-COMP

Tgt Ion: 264 Resp: 395235

Ion Ratio Lower Upper

264 100

260 23.7 19.7 29.5

265 21.2 17.4 26.0

