

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081319\
 Data File : BF116232.D
 Acq On : 13 Aug 2019 15:27
 Operator : HP/JU
 Sample : K4230-29
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 13 23:18:37 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

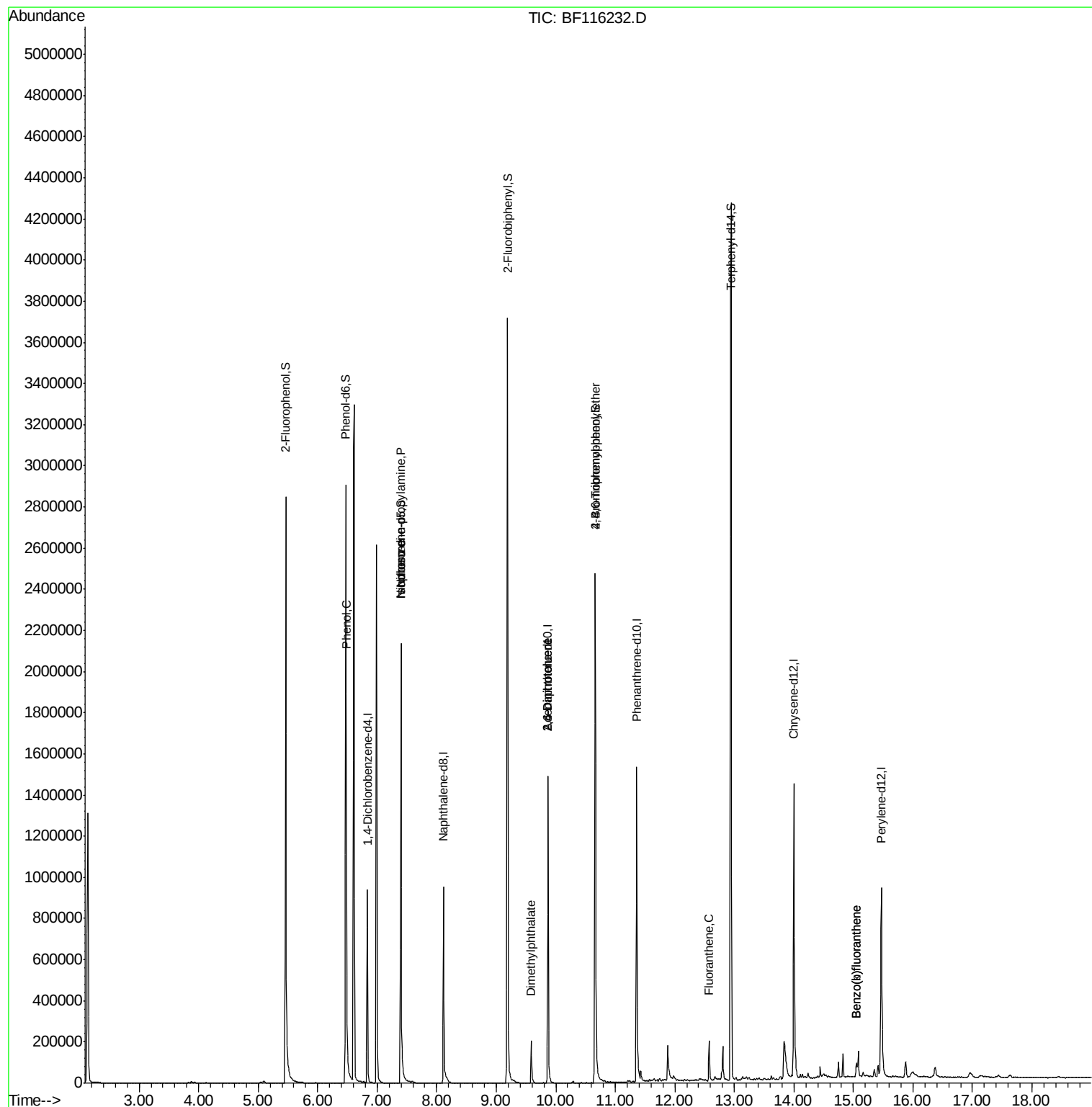
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	145123	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	569188	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	317915	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	614558	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	518489	20.00	ng	0.00
87) Perylene-d12	15.47	264	501558	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	940934	108.54	ng	0.00
7) Phenol-d6	6.47	99	1261907	115.38	ng	-0.01
23) Nitrobenzene-d5	7.40	82	814256	82.58	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	374558	121.52	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1362731	80.29	ng	-0.01
79) Terphenyl-d14	12.94	244	1686963	68.56	ng	0.00
Target Compounds						
10) Phenol	6.49	94	46672	3.624	ng	91
19) n-Nitroso-di-n-propylamine	7.40	70	107045	15.794	ng	# 79
25) Isophorone	7.40	82	814924	43.220	ng	# 65
50) Dimethylphthalate	9.59	163	116555	5.384	ng	98
51) 2,6-Dinitrotoluene	9.87	165	40101	8.525	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	40101	6.403	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	22559	3.429	ng	# 1
75) Fluoranthene	12.57	202	85614	2.603	ng	98
88) Benzo(b)fluoranthene	15.05	252	58464	2.016	ng	# 97
89) Benzo(k)fluoranthene	15.05	252	58464	2.070	ng	# 96

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081319\
Data File : BF116232.D
Acq On : 13 Aug 2019 15:27
Operator : HP/JU
Sample : K4230-29
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 13 23:18:37 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

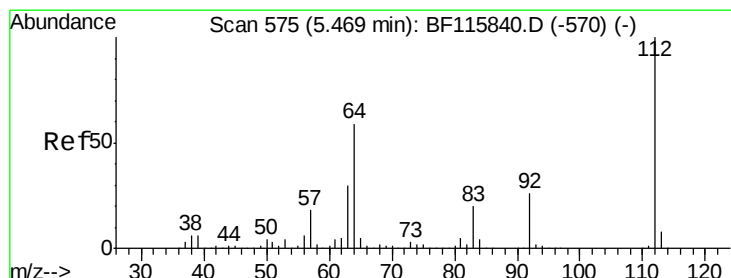
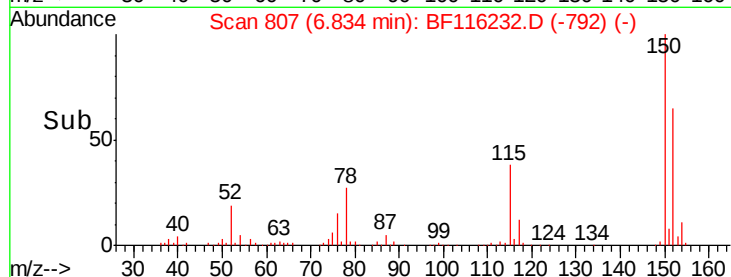
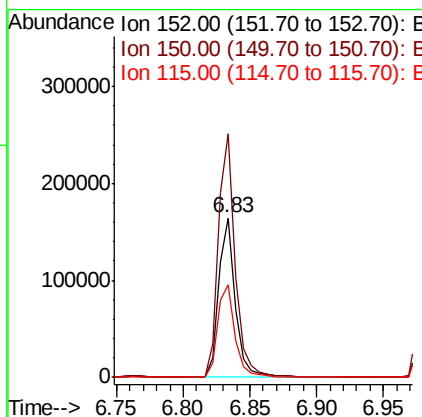
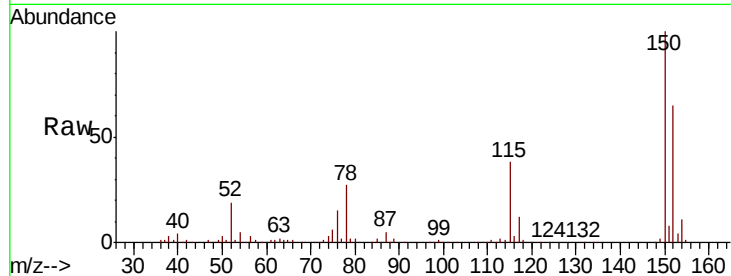




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF116232.D
 Acq: 13 Aug 2019 15:27

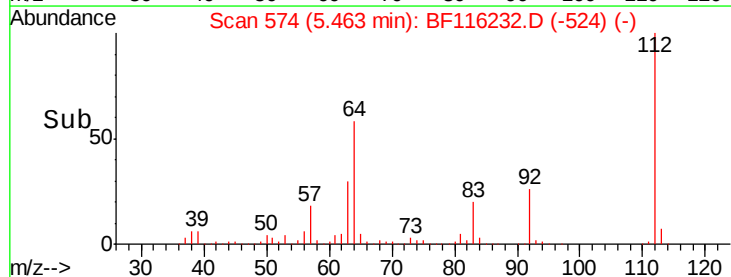
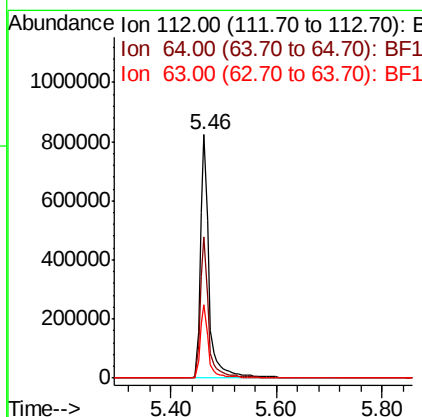
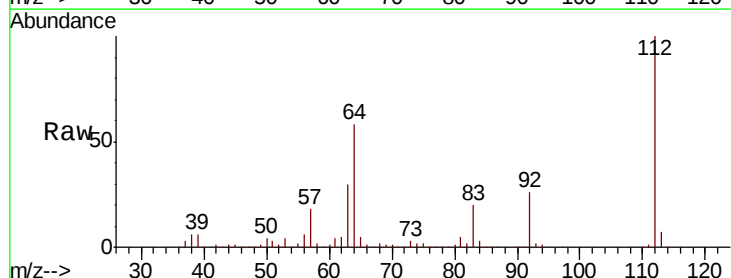
Instrument :
 BNA_F
 ClientSampleId :
 REACTOR-3A-(0-3)-COMP

Tgt Ion:152 Resp: 145123
 Ion Ratio Lower Upper
 152 100
 150 153.0 126.2 189.2
 115 58.5 49.9 74.9



#5
 2-Fluorophenol
 Concen: 108.541 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF116232.D
 Acq: 13 Aug 2019 15:27

Tgt Ion:112 Resp: 940934
 Ion Ratio Lower Upper
 112 100
 64 58.0 45.4 68.2
 63 30.4 23.7 35.5





#7

Phenol-d6

Concen: 115.376 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116232.D

Acq: 13 Aug 2019 15:27

Instrument :

BNA_F

ClientSampleId :

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

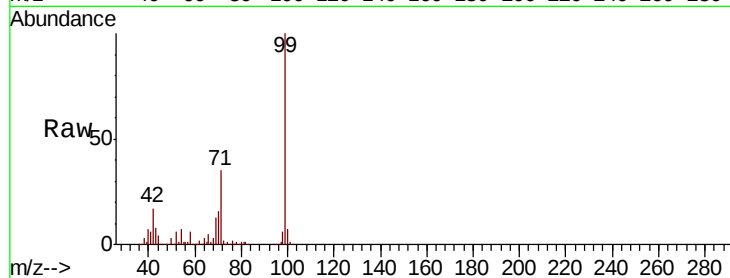
Tgt Ion: 99 Resp: 1261907

Ion Ratio Lower Upper

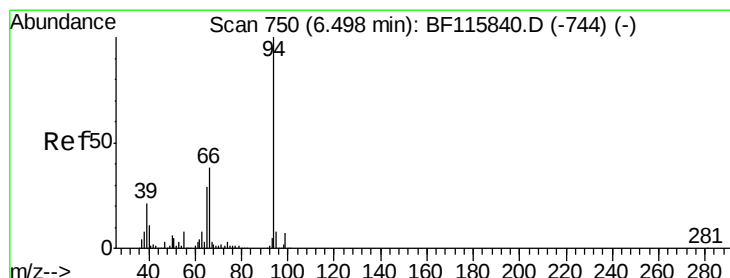
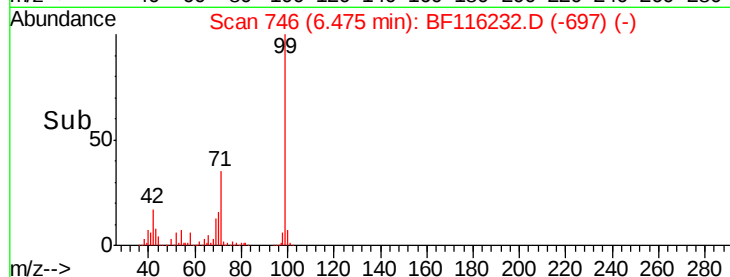
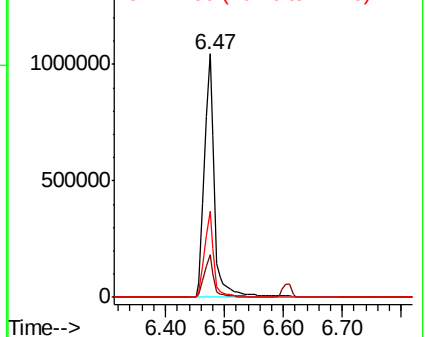
99 100

42 17.4 13.8 20.8

71 35.4 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



#10

Phenol

Concen: 3.624 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF116232.D

Acq: 13 Aug 2019 15:27

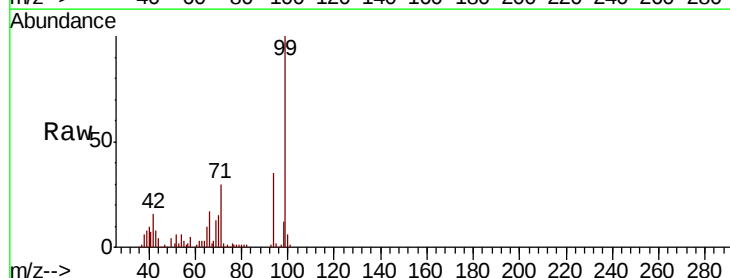
Tgt Ion: 94 Resp: 46672

Ion Ratio Lower Upper

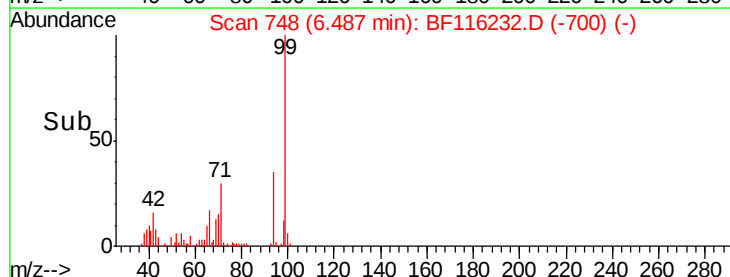
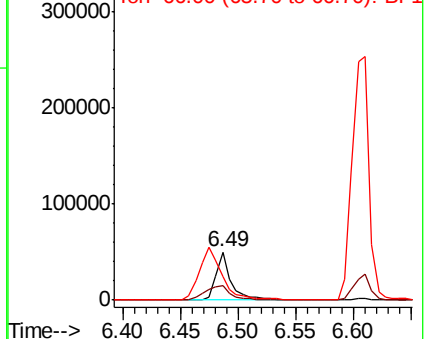
94 100

65 29.8 16.8 56.8

66 48.8 34.2 74.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

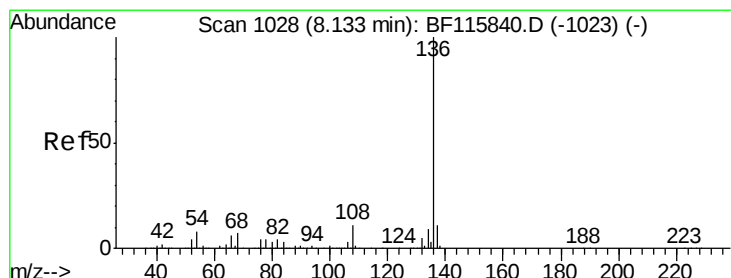
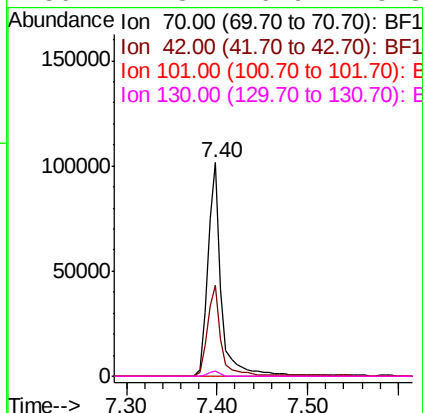
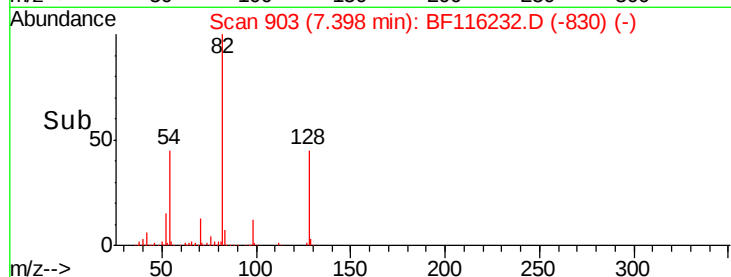
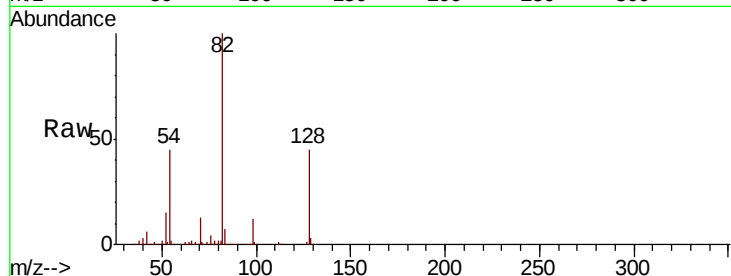




#19
n-Nitroso-di-n-propylamine
Concen: 15.794 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.13 min
Lab File: BF116232.D
Acq: 13 Aug 2019 15:27

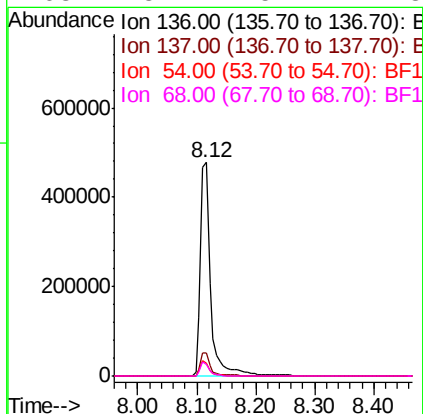
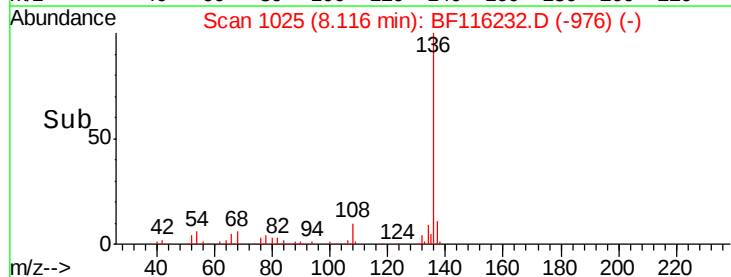
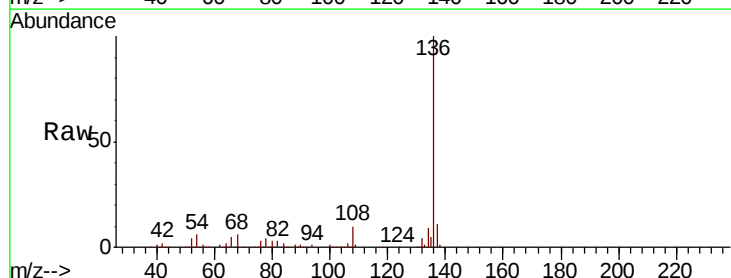
Instrument :
BNA_F
ClientSampleId :
REACTOR-3A-(0-3)-COMP

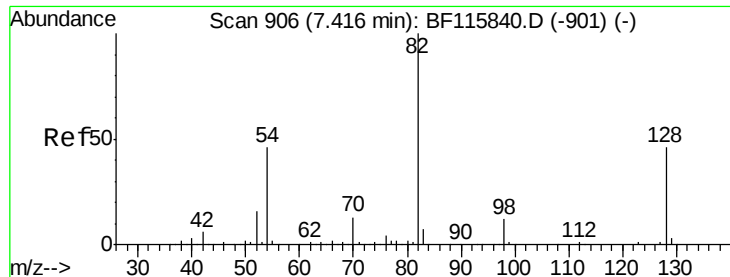
Tgt Ion: 70 Resp: 107045
Ion Ratio Lower Upper
70 100
42 42.4 40.9 61.3
101 0.0 7.9 11.9#
130 2.3 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116232.D
Acq: 13 Aug 2019 15:27

Tgt Ion: 136 Resp: 569188
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 6.3 5.8 8.6
68 5.7 5.2 7.8

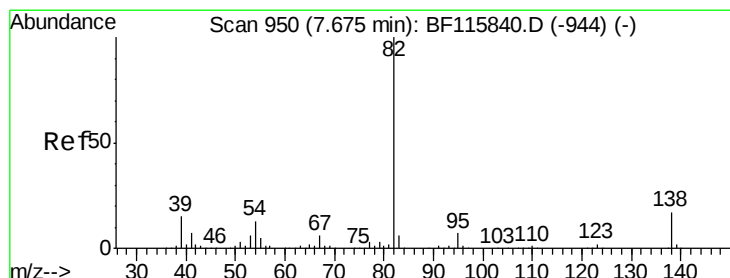
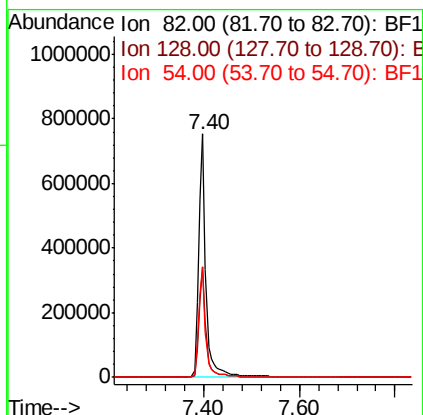
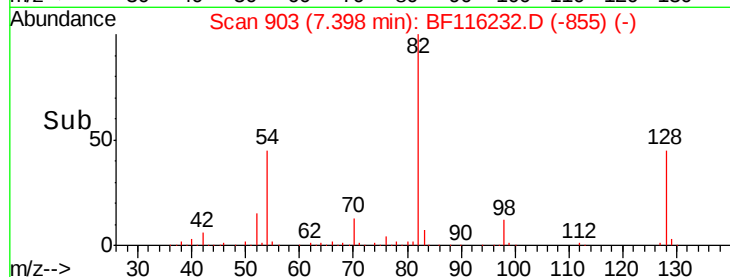
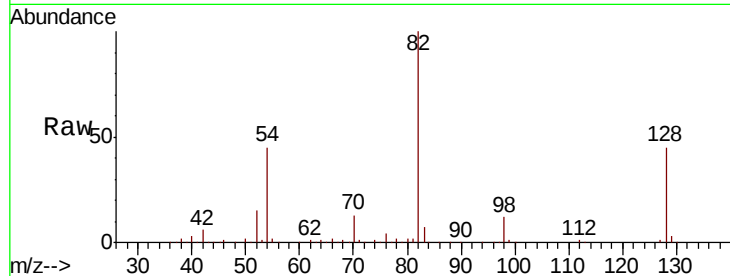




#23
Nitrobenzene-d5
Concen: 82.576 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116232.D
Acq: 13 Aug 2019 15:27

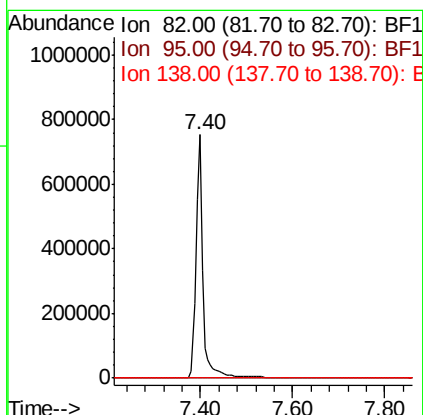
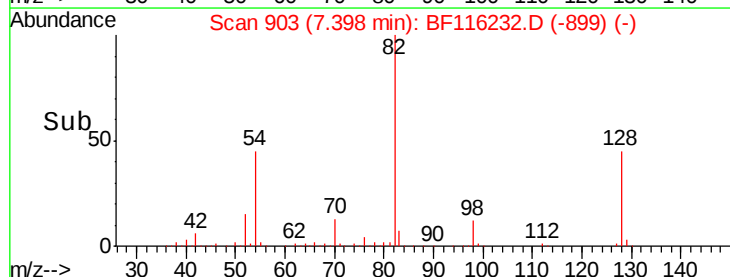
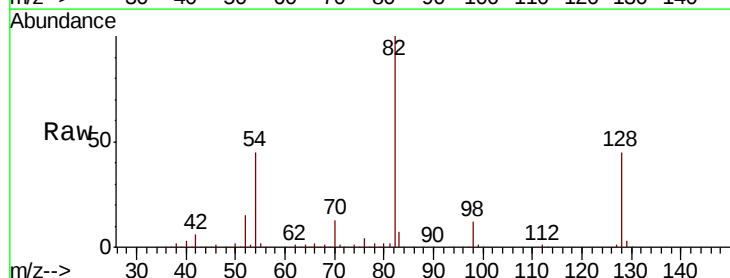
Instrument :
BNA_F
ClientSampleId :
REACTOR-3A-(0-3)-COMP

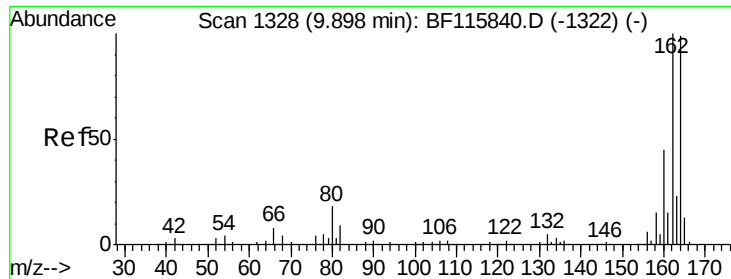
Tgt Ion: 82 Resp: 814256
Ion Ratio Lower Upper
82 100
128 45.5 36.5 54.7
54 45.2 36.0 54.0



#25
Isophorone
Concen: 43.220 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.28 min
Lab File: BF116232.D
Acq: 13 Aug 2019 15:27

Tgt Ion: 82 Resp: 814924
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.5 21.7#

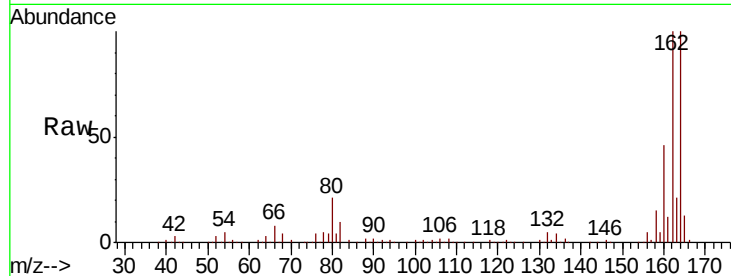




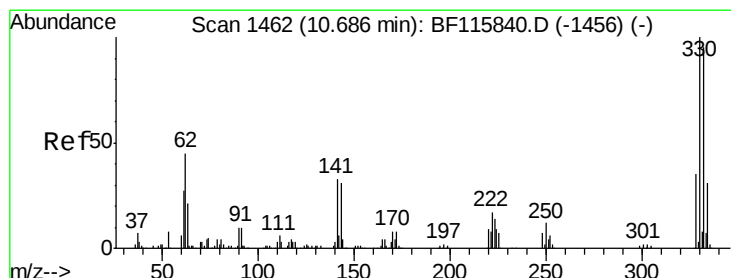
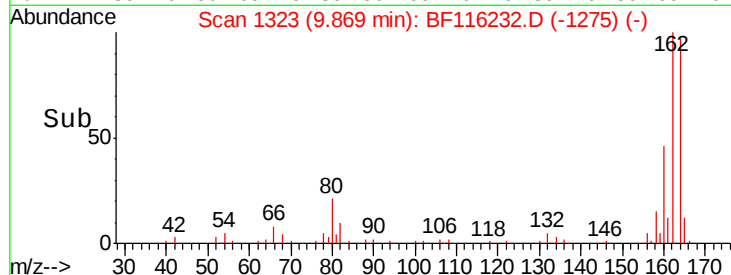
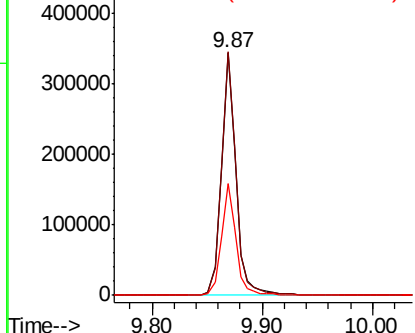
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF116232.D
 Acq: 13 Aug 2019 15:27

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

Tgt Ion:164 Resp: 317915
 Ion Ratio Lower Upper
 164 100
 162 100.3 82.6 124.0
 160 45.9 37.6 56.4

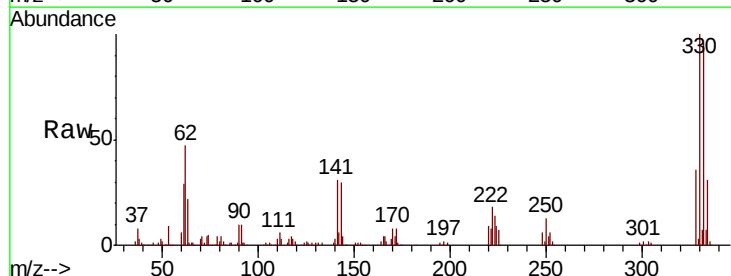


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

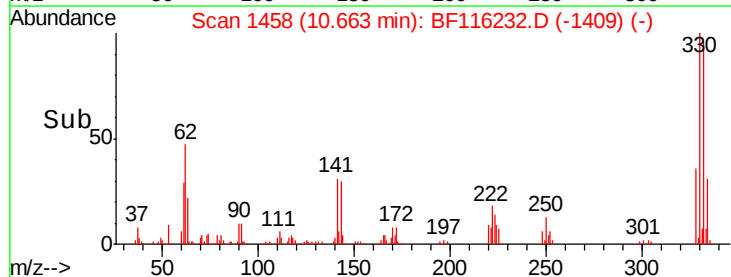
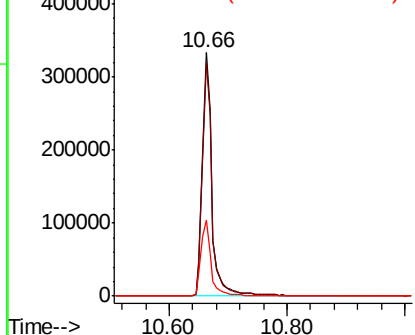


#42
 2,4,6-Tribromophenol
 Concen: 121.520 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116232.D
 Acq: 13 Aug 2019 15:27

Tgt Ion:330 Resp: 374558
 Ion Ratio Lower Upper
 330 100
 332 96.0 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

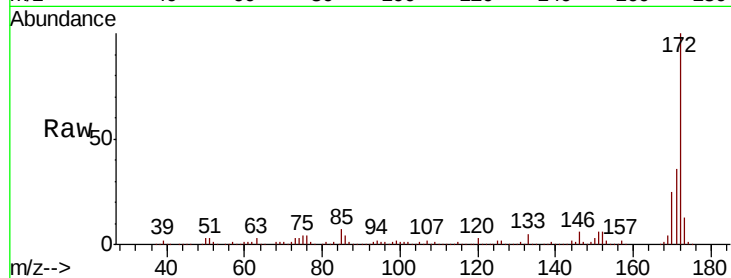




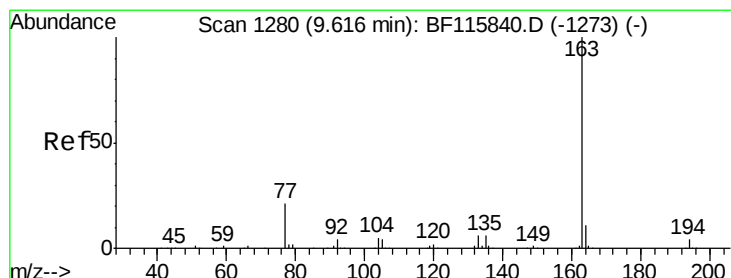
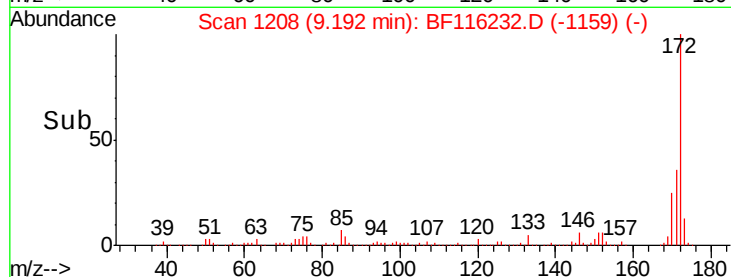
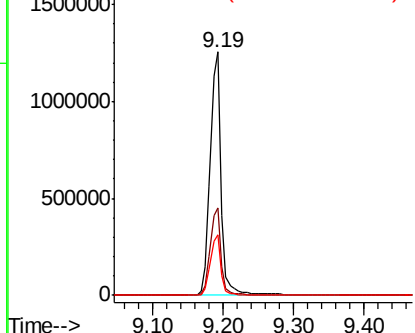
#45
 2-Fluorobiphenyl
 Concen: 80.289 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116232.D
 Acq: 13 Aug 2019 15:27

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

Tgt Ion:172 Resp: 1362731
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 24.8 20.1 30.1

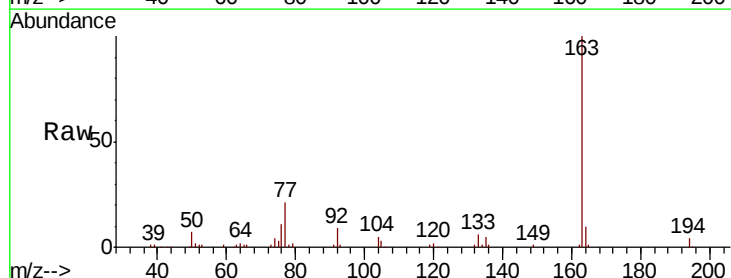


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

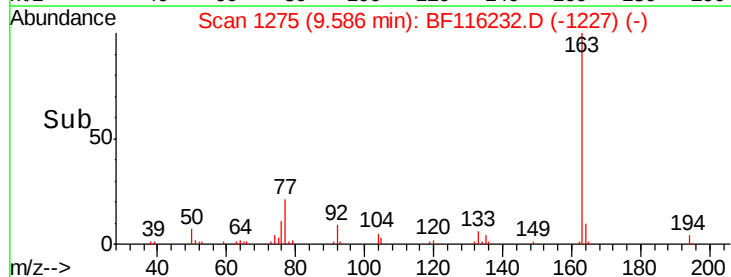
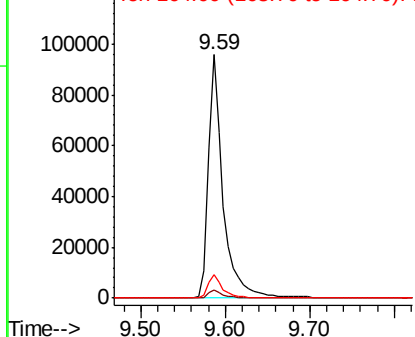


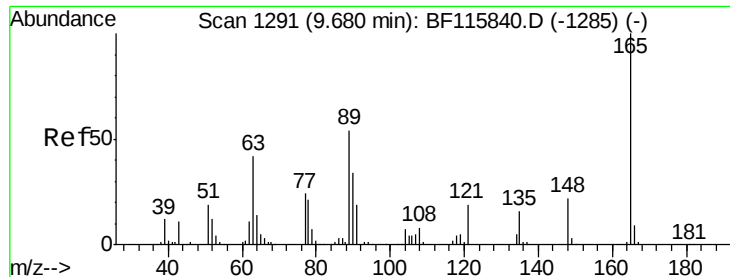
#50
 Dimethylphthalate
 Concen: 5.384 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.02 min
 Lab File: BF116232.D
 Acq: 13 Aug 2019 15:27

Tgt Ion:163 Resp: 116555
 Ion Ratio Lower Upper
 163 100
 194 3.5 3.0 4.6
 164 9.5 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

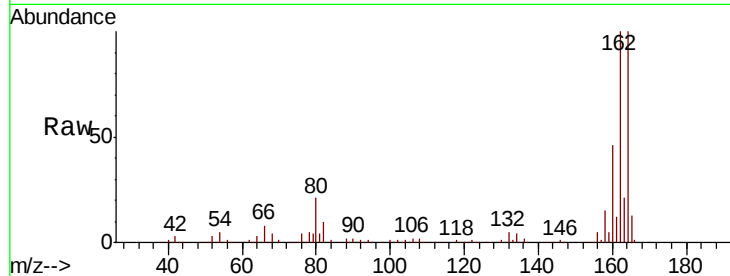




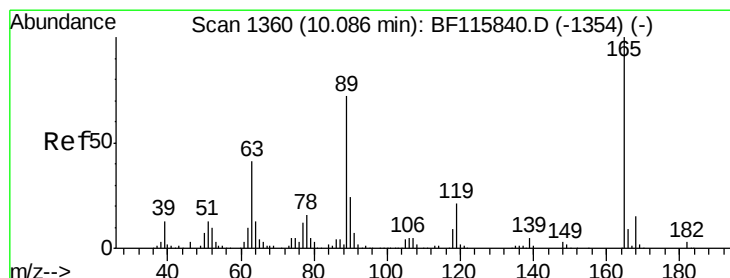
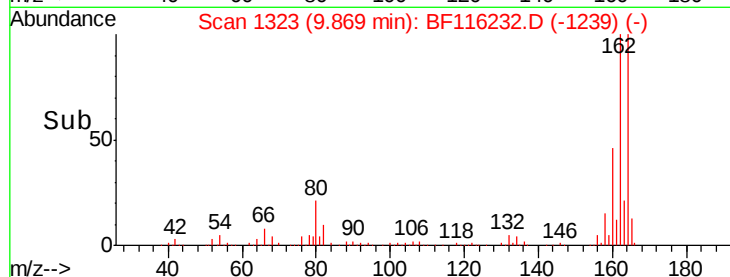
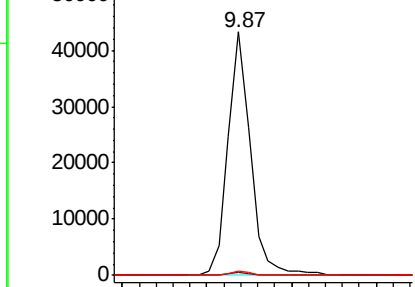
#51
 2,6-Dinitrotoluene
 Concen: 8.525 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116232.D
 Acq: 13 Aug 2019 15:27

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

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.2	57.2#
89	1.5	42.9	64.3#



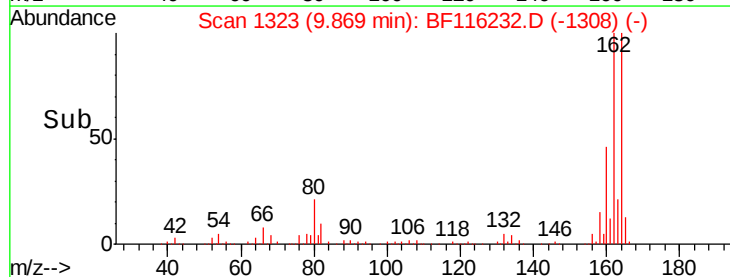
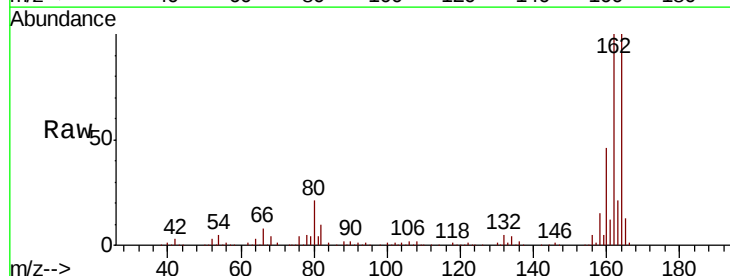
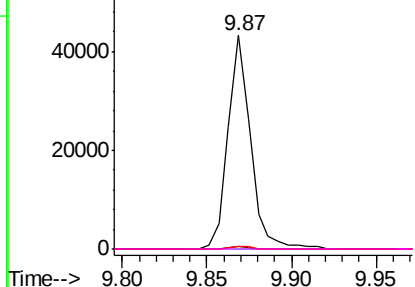
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

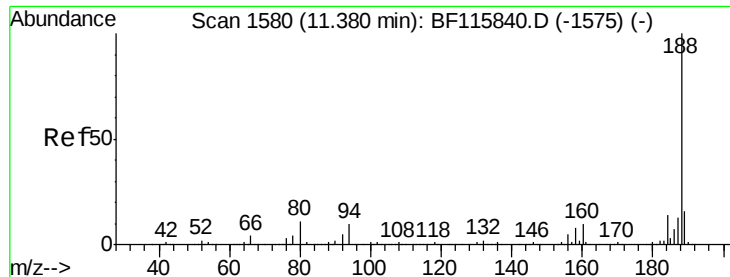


#57
 2,4-Dinitrotoluene
 Concen: 6.403 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116232.D
 Acq: 13 Aug 2019 15:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.6	59.4#
89	1.5	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: BF116232.D

Acq: 13 Aug 2019 15:27

Instrument :

BNA_F

ClientSampleId :

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

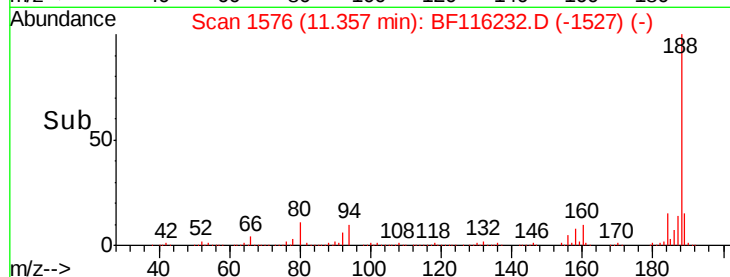
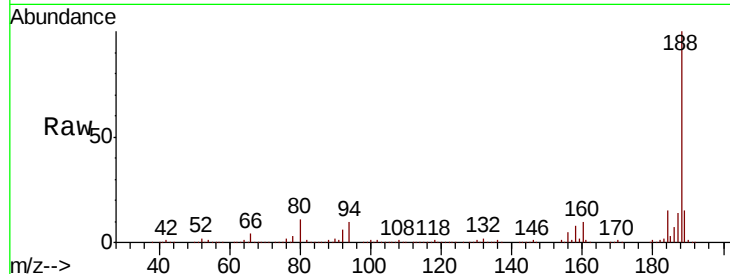
Tgt Ion:188 Resp: 614558

Ion Ratio Lower Upper

188 100

94 10.2 8.1 12.1

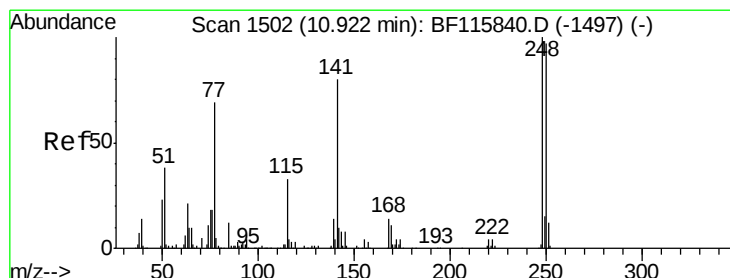
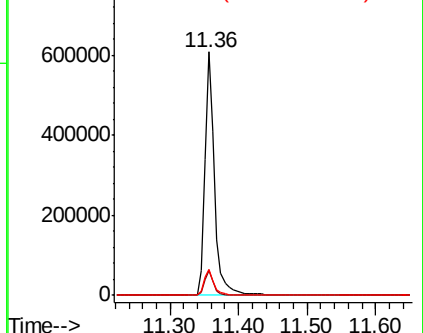
80 10.8 8.7 13.1



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: 3.429 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116232.D

Acq: 13 Aug 2019 15:27

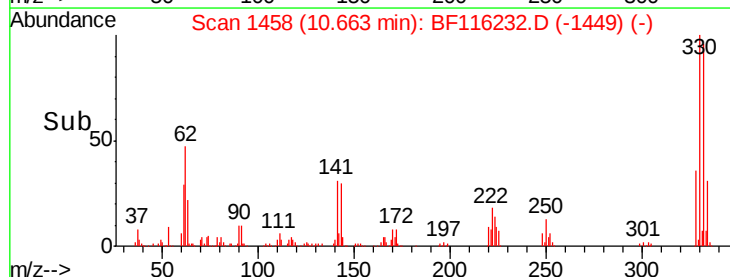
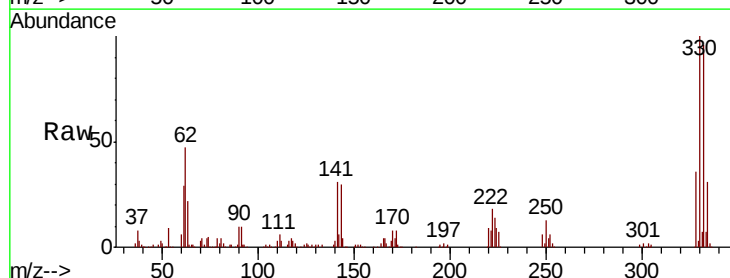
Tgt Ion:248 Resp: 22559

Ion Ratio Lower Upper

248 100

250 206.2 77.4 116.2#

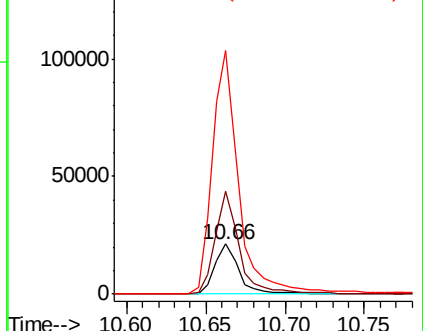
141 488.6 56.8 85.2#

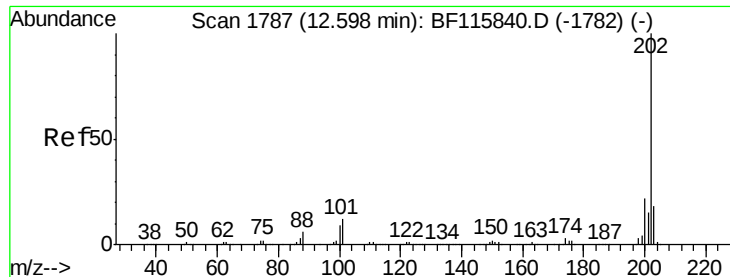


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.603 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116232.D

Acq: 13 Aug 2019 15:27

Instrument :

BNA_F

ClientSampleId :

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

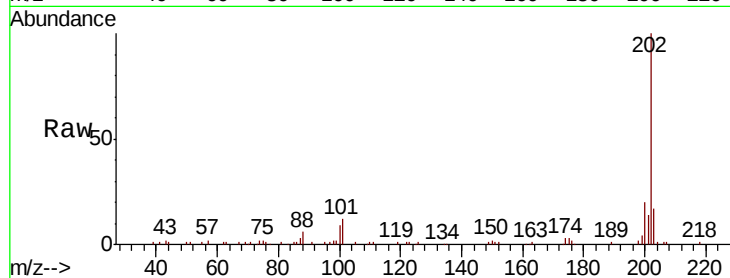
Tgt Ion:202 Resp: 85614

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.2

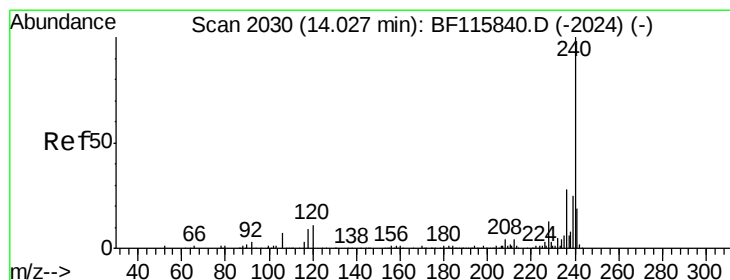
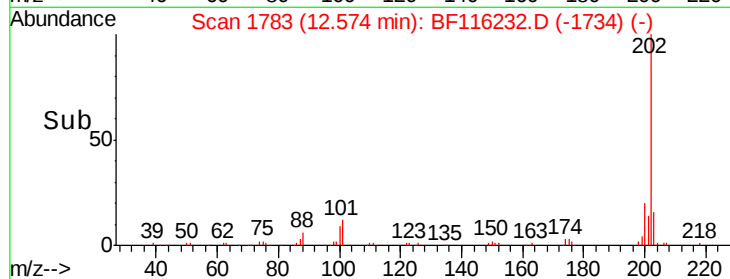
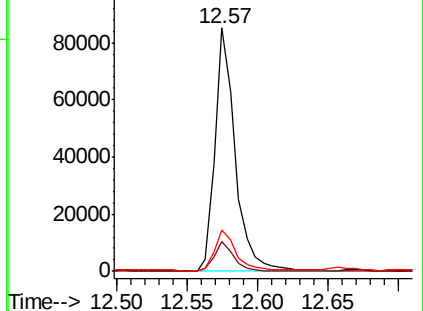
203 17.1 0.0 37.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116232.D

Acq: 13 Aug 2019 15:27

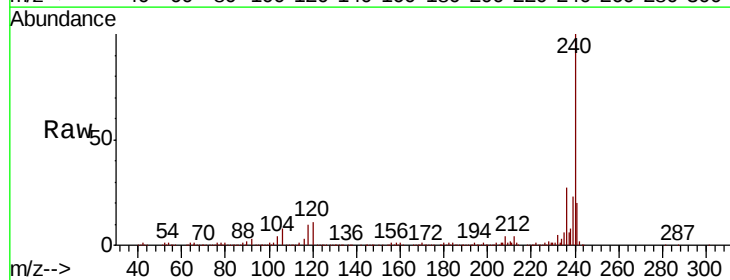
Tgt Ion:240 Resp: 518489

Ion Ratio Lower Upper

240 100

120 11.2 10.7 16.1

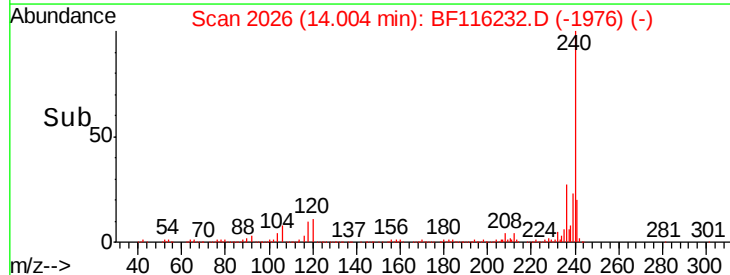
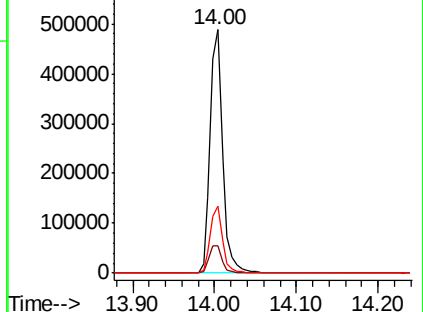
236 27.4 22.2 33.2

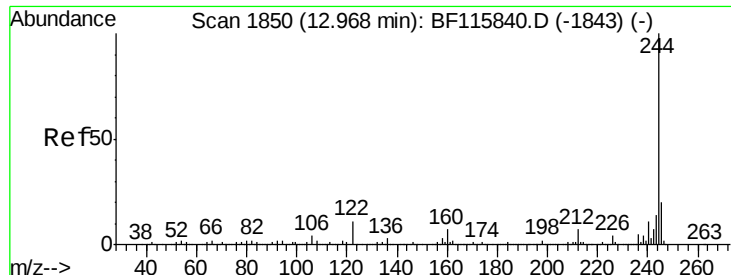


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 68.559 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116232.D

Acq: 13 Aug 2019 15:27

Instrument :

BNA_F

ClientSampleId :

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

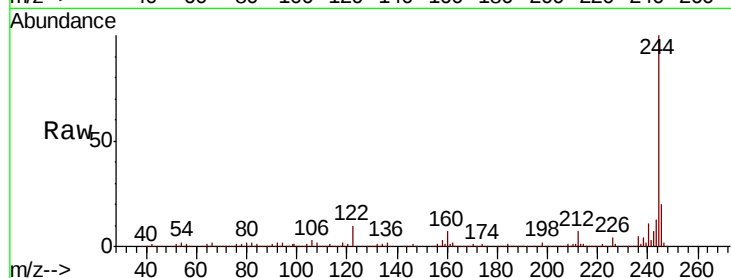
Tgt Ion:244 Resp: 1686963

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

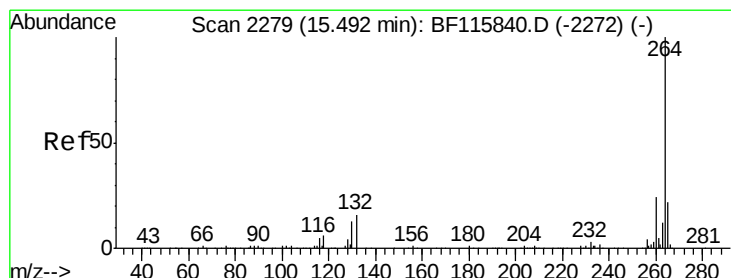
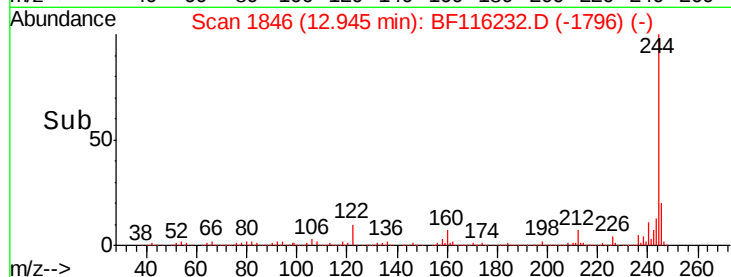
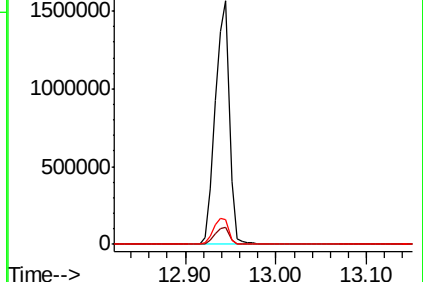
122 10.4 9.0 13.4



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: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116232.D

Acq: 13 Aug 2019 15:27

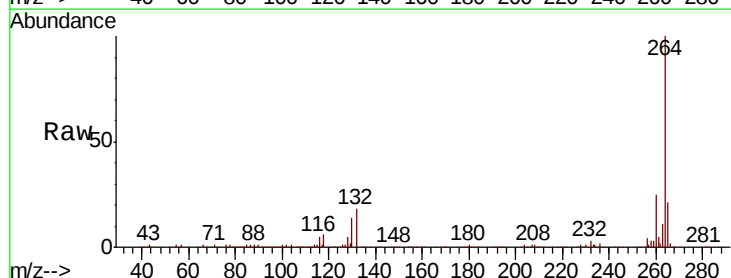
Tgt Ion:264 Resp: 501558

Ion Ratio Lower Upper

264 100

260 24.6 19.7 29.5

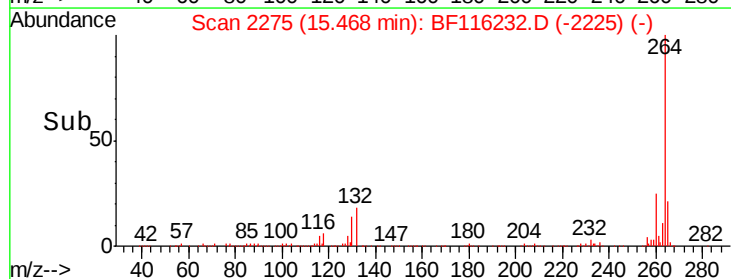
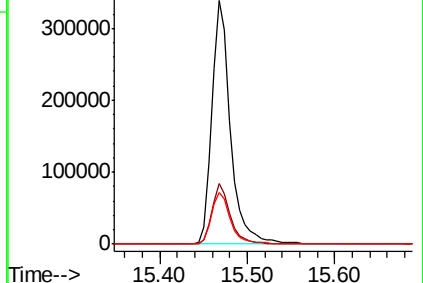
265 21.4 17.4 26.0

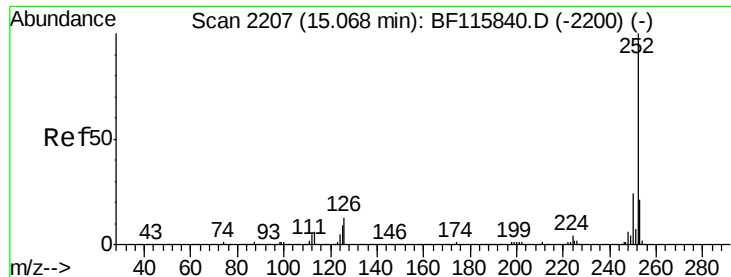


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

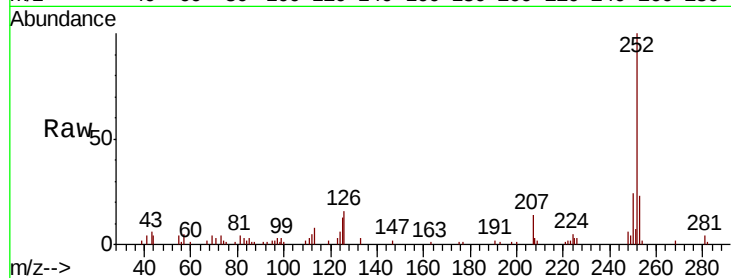




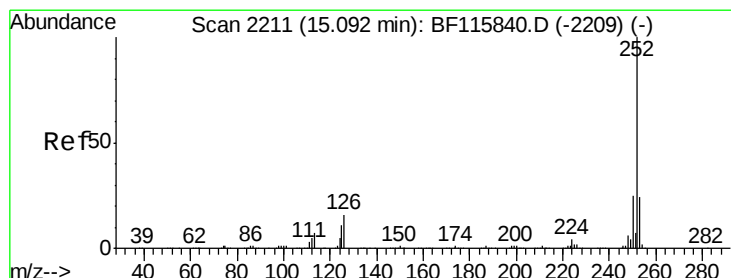
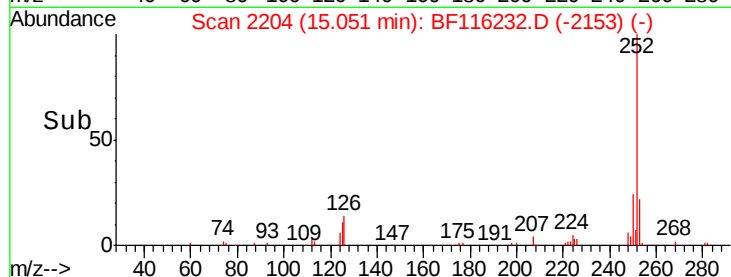
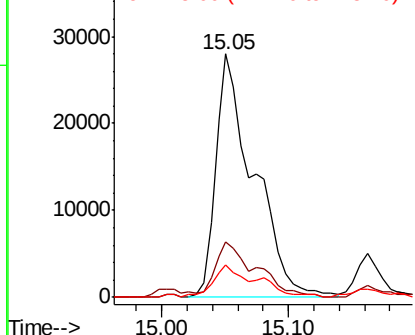
#88
Benzo(b)fluoranthene
Concen: 2.016 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF116232.D
Acq: 13 Aug 2019 15:27

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

Tgt Ion:252 Resp: 58464
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 13.1 8.4 12.6#

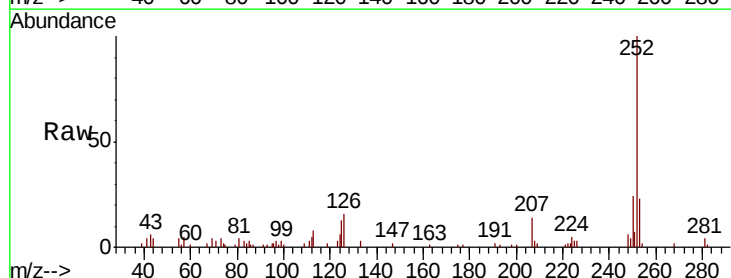


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.070 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF116232.D
Acq: 13 Aug 2019 15:27

Tgt Ion:252 Resp: 58464
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 13.1 7.7 11.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

