

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113870.D
 Acq On : 19 Apr 2019 20:23
 Operator : JU/SJ
 Sample : K2203-15 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-041819-B

Quant Time: Apr 19 23:26:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

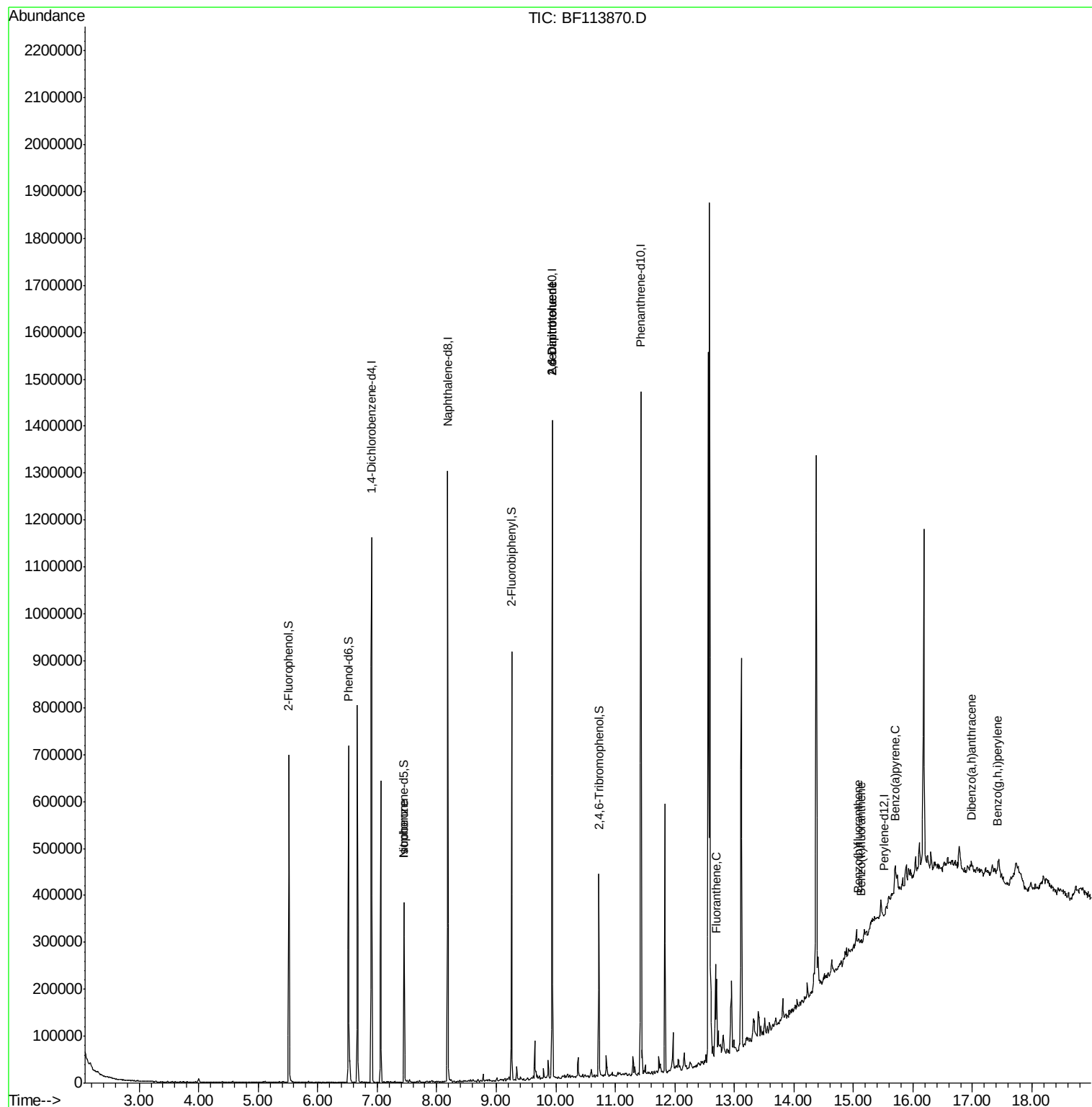
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	166074	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	579659	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	263886	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	518525	20.00	ng	0.02
76) Chrysene-d12	0.00	240	0	0.00	ng	-14.04
87) Perylene-d12	15.51	264	255	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	188909	18.91	ng	0.00
7) Phenol-d6	6.52	99	239455	19.22	ng	0.00
23) Nitrobenzene-d5	7.45	82	114716	12.05	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	53667	18.41	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	249305	14.41	ng	0.00
79) Terphenyl-d14	13.12	244	296661	0.00	ng	0.12
Target Compounds						
9) Benzaldehyde	6.52	77	215	Below Cal	Qvalue	# 3
25) Isophorone	7.45	82	114602	5.815 ng	#	65
51) 2,6-Dinitrotoluene	9.94	165	34494	8.463 ng	#	33
57) 2,4-Dinitrotoluene	9.94	165	34494	6.822 ng	#	29
75) Fluoranthene	12.70	202	62754	2.242 ng		96
88) Benzo(b)fluoranthene	15.09	252	581	36.548 ng	#	1
89) Benzo(k)fluoranthene	15.12	252	261	18.026 ng	#	1
90) Benzo(a)pyrene	15.70	252	39423	2804.628 ng	#	84
91) Dibenzo(a,h)anthracene	17.00	278	248	19.829 ng	#	1
92) Benzo(g,h,i)perylene	17.41	276	992	78.035 ng	#	1

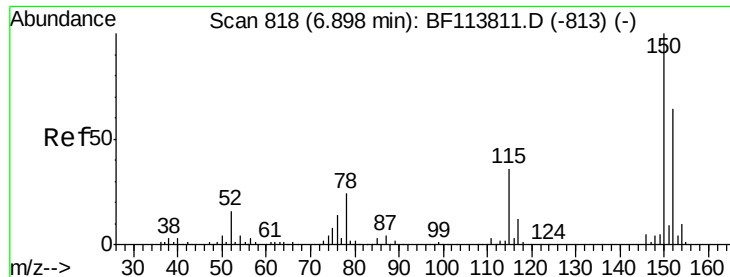
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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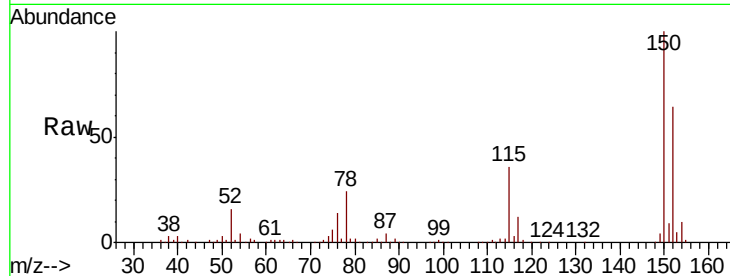


#1

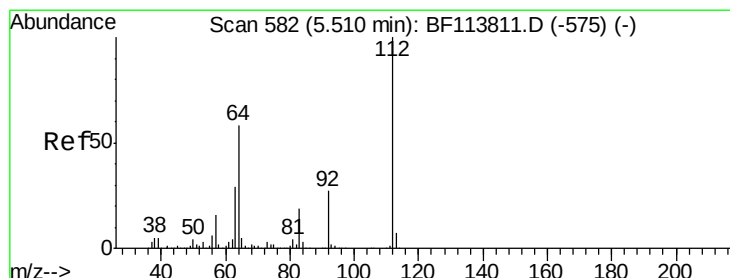
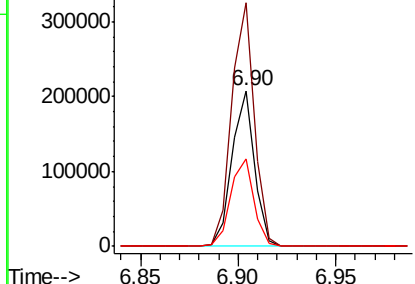
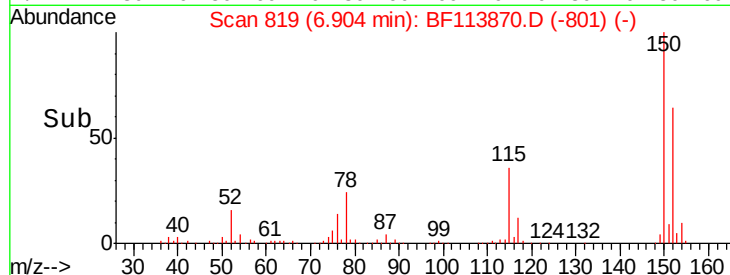
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF113870.D
Acq: 19 Apr 2019 20:23

Instrument :
BNA_F
ClientSampleId :
SU-02-041819-B

Tgt Ion:152 Resp: 166074
Ion Ratio Lower Upper
152 100
150 156.2 125.9 188.9
115 56.3 45.9 68.9



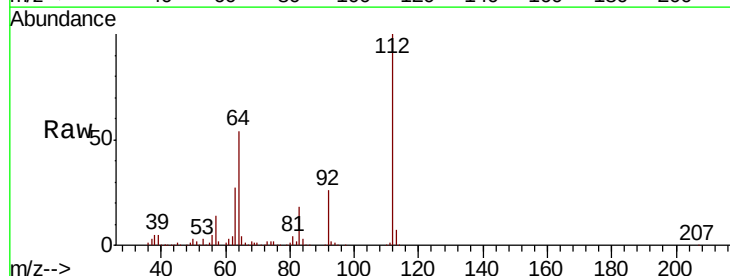
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



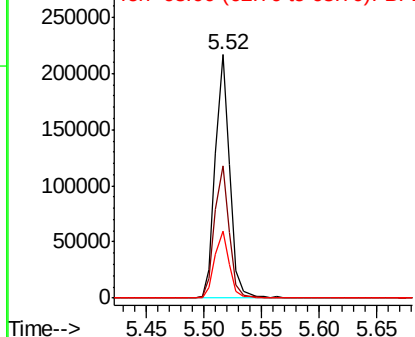
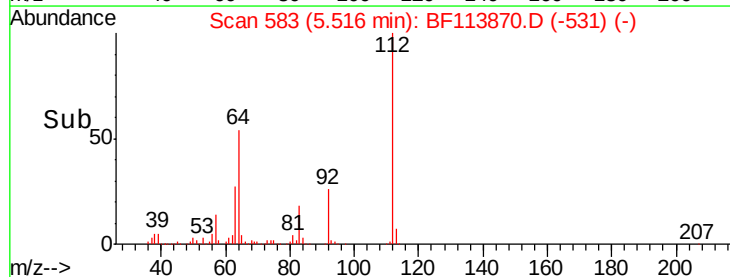
#5

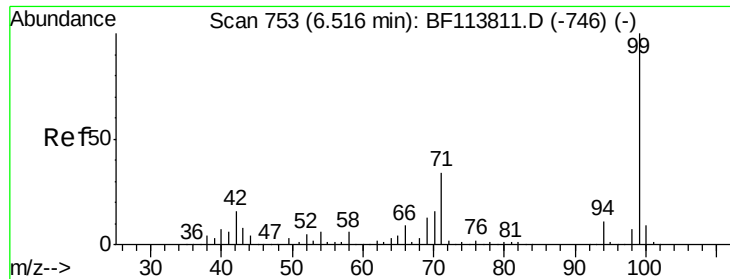
2-Fluorophenol
Concen: 18.914 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF113870.D
Acq: 19 Apr 2019 20:23

Tgt Ion:112 Resp: 188909
Ion Ratio Lower Upper
112 100
64 54.4 46.6 69.8
63 27.4 23.1 34.7



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: 19.225 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113870.D

Acq: 19 Apr 2019 20:23

Instrument :

BNA_F

ClientSampleId :

SU-02-041819-B

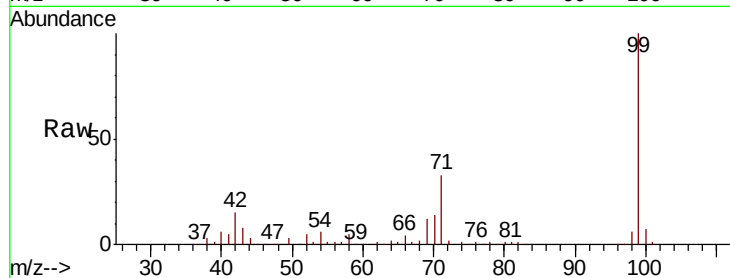
Tgt Ion: 99 Resp: 239455

Ion Ratio Lower Upper

99 100

42 14.8 12.5 18.7

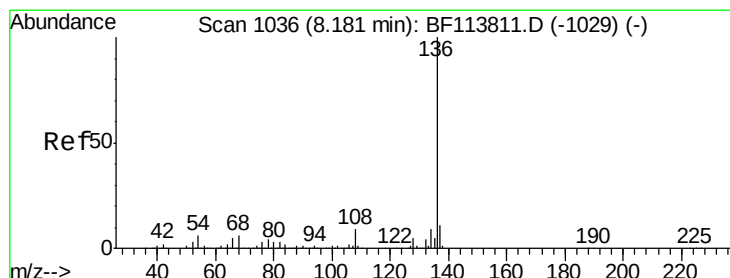
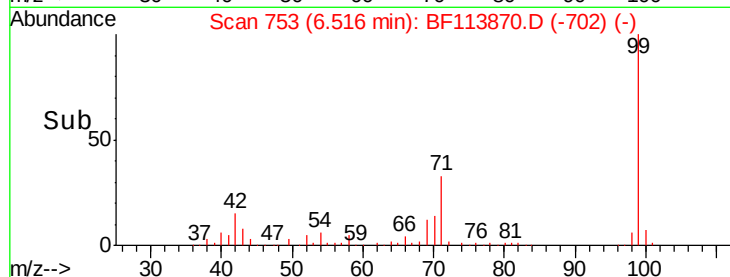
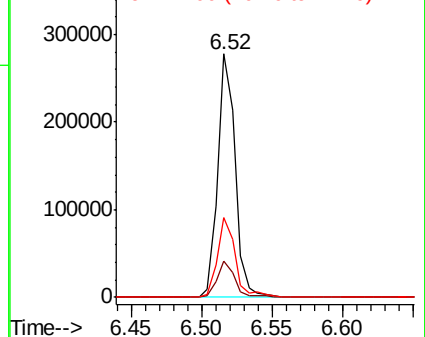
71 32.5 26.9 40.3



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF113870.D

Acq: 19 Apr 2019 20:23

Tgt Ion: 136 Resp: 579659

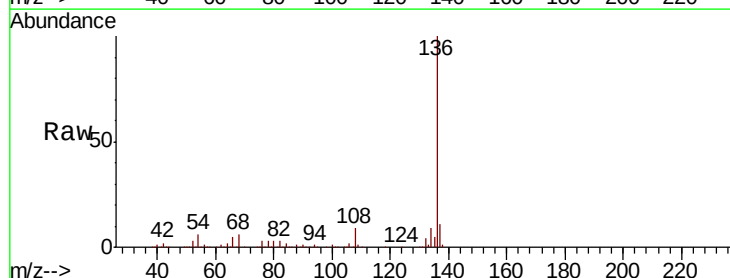
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 6.0 5.0 7.6

68 5.9 4.9 7.3

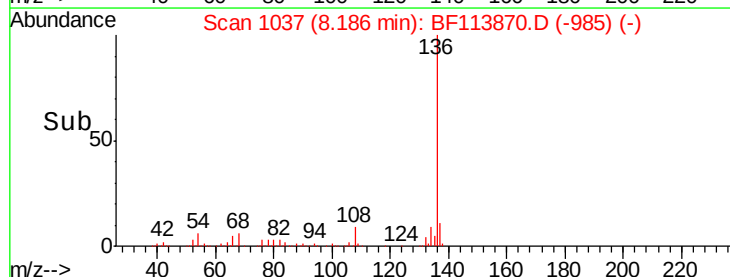
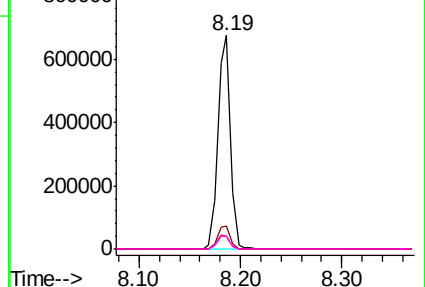


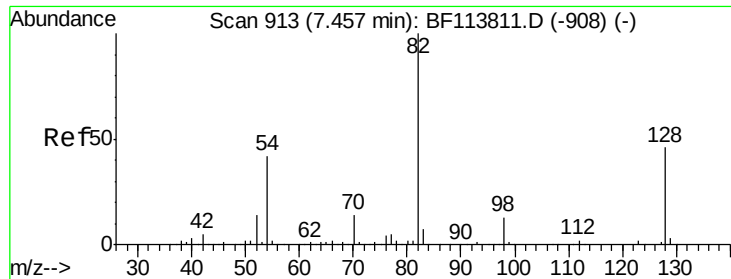
Abundance Ion 136.00 (135.70 to 136.70): E

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

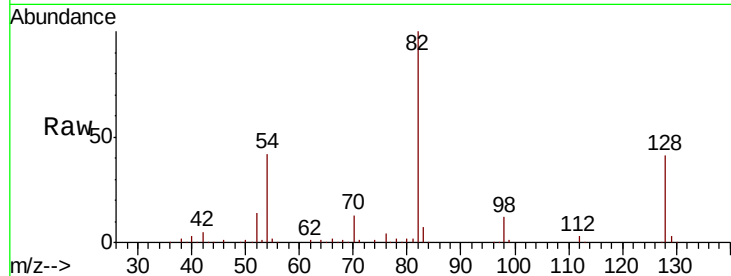




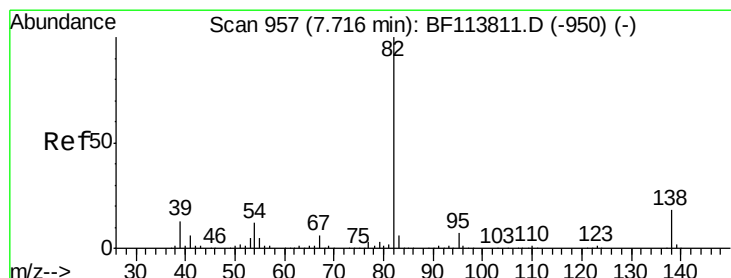
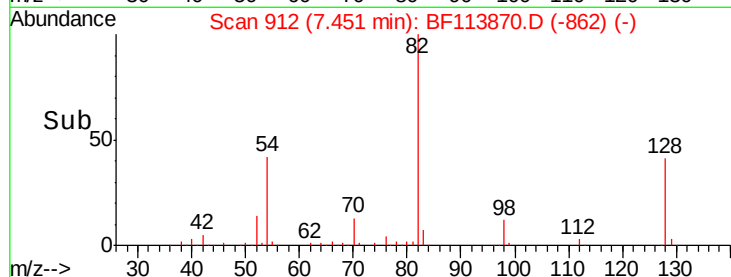
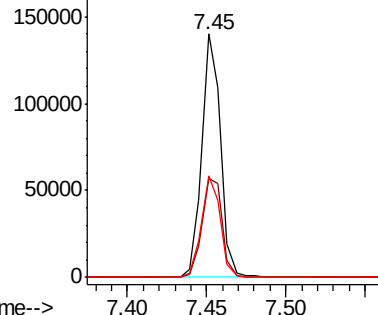
#23
 Nitrobenzene-d5
 Concen: 12.052 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF113870.D
 Acq: 19 Apr 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-041819-B

Tgt Ion: 82 Resp: 114716
 Ion Ratio Lower Upper
 82 100
 128 40.9 36.8 55.2
 54 41.8 33.8 50.6

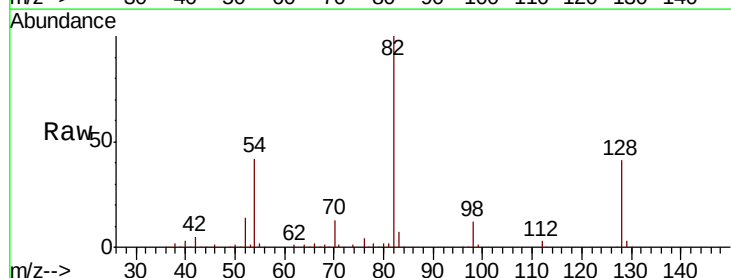


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

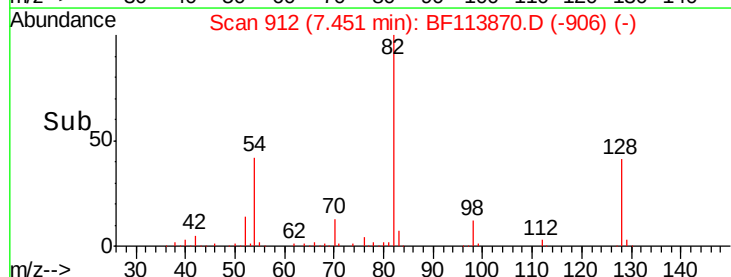
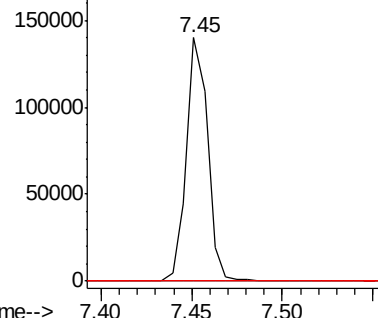


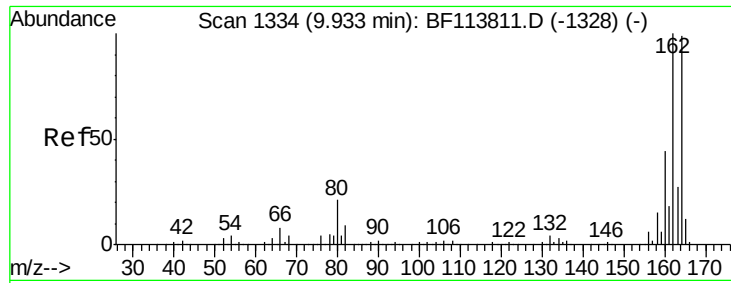
#25
 Isophorone
 Concen: 5.815 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.26 min
 Lab File: BF113870.D
 Acq: 19 Apr 2019 20:23

Tgt Ion: 82 Resp: 114602
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.6 22.0#



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

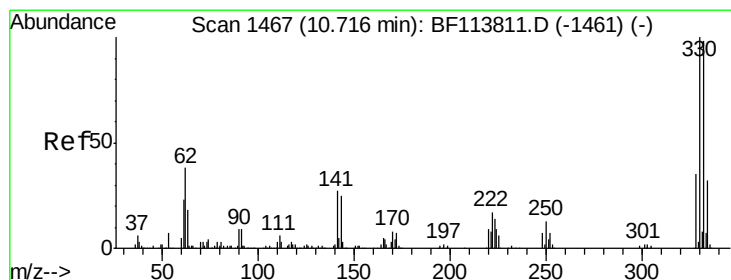
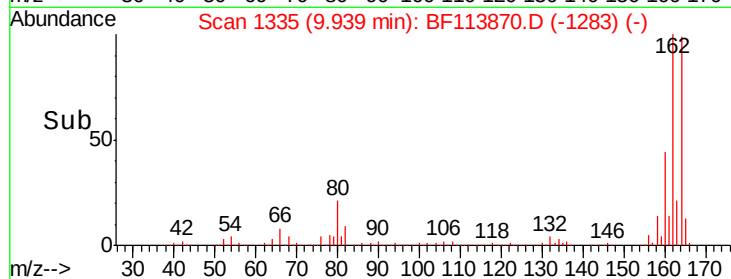
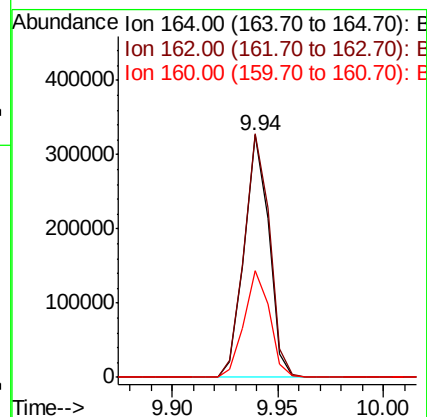
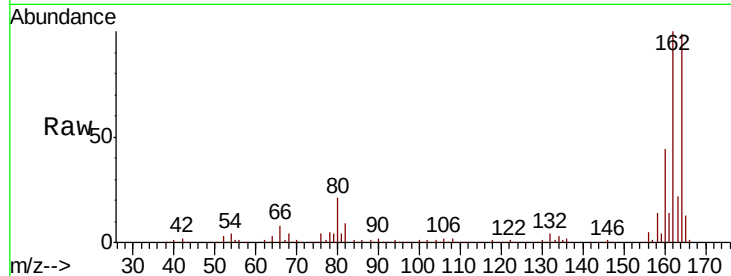




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF113870.D
 Acq: 19 Apr 2019 20:23

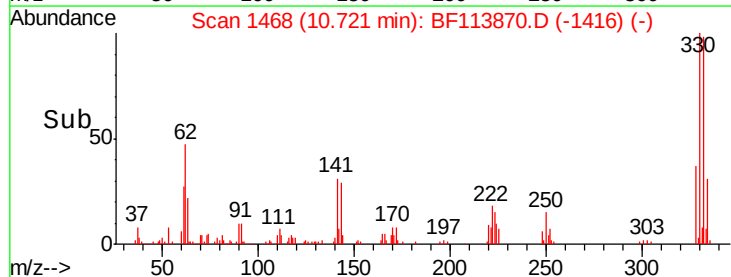
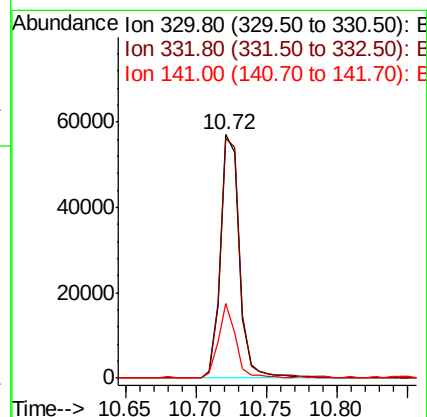
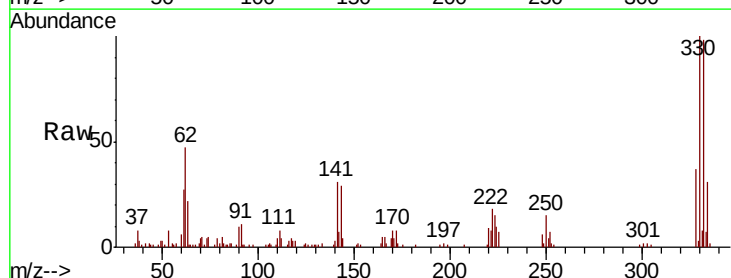
Instrument :
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 ClientSampleId :
 SU-02-041819-B

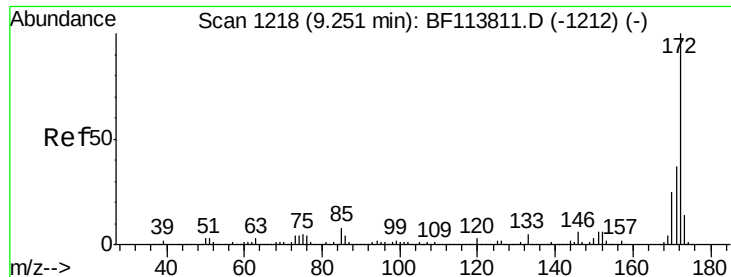
Tgt Ion:164 Resp: 263886
 Ion Ratio Lower Upper
 164 100
 162 100.6 81.1 121.7
 160 43.8 35.8 53.6



#42
 2,4,6-Tribromophenol
 Concen: 18.408 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.01 min
 Lab File: BF113870.D
 Acq: 19 Apr 2019 20:23

Tgt Ion:330 Resp: 53667
 Ion Ratio Lower Upper
 330 100
 332 99.7 77.5 116.3
 141 27.8 22.2 33.2

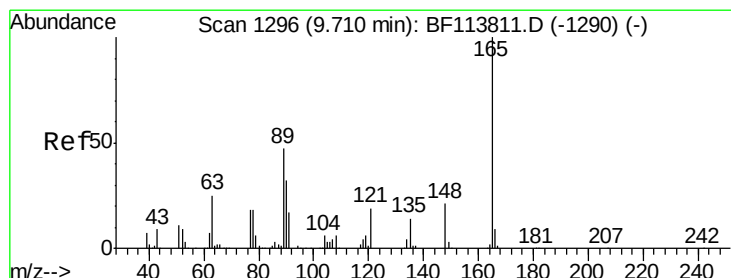
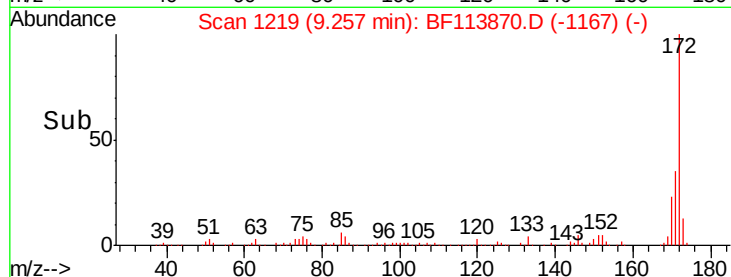
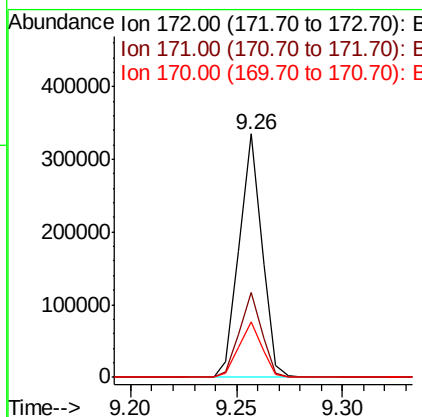
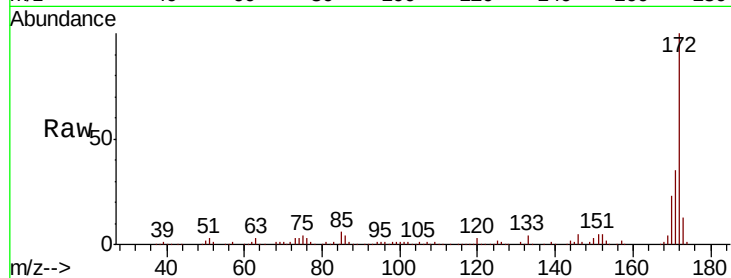




#45
 2-Fluorobiphenyl
 Concen: 14.408 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: BF113870.D
 Acq: 19 Apr 2019 20:23

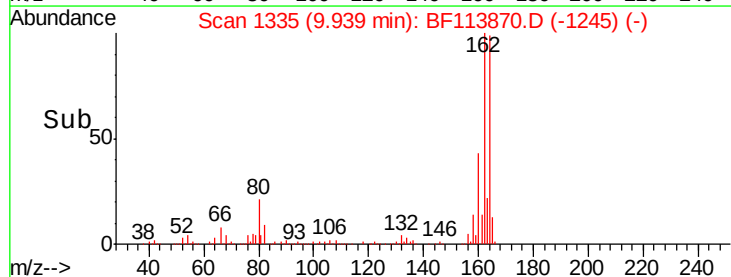
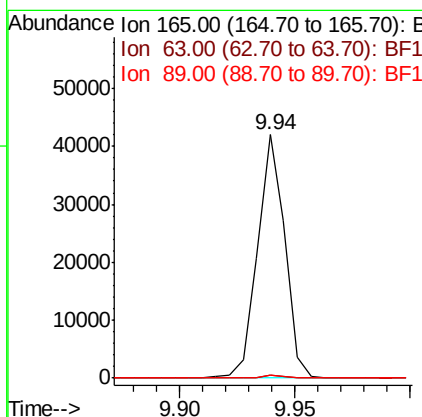
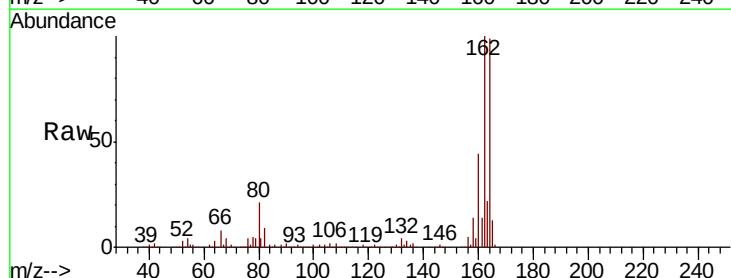
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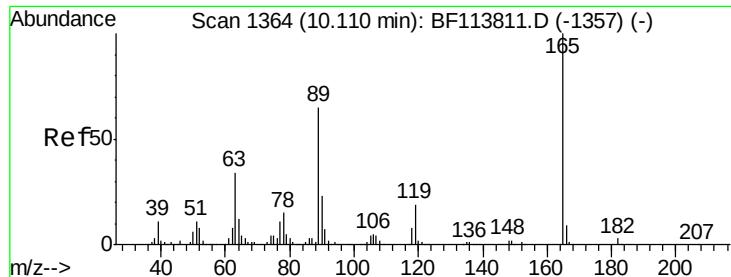
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.4	44.0
170	22.8	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.463 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.23 min
 Lab File: BF113870.D
 Acq: 19 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.8	50.8#
89	1.2	38.2	57.2#

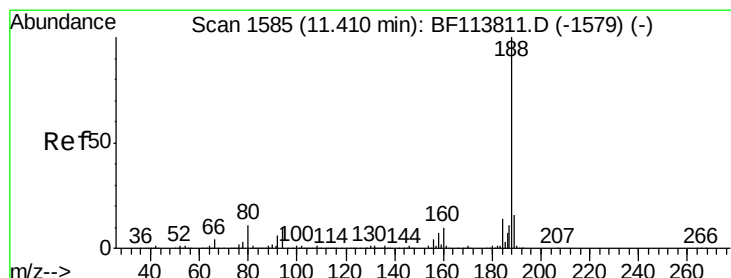
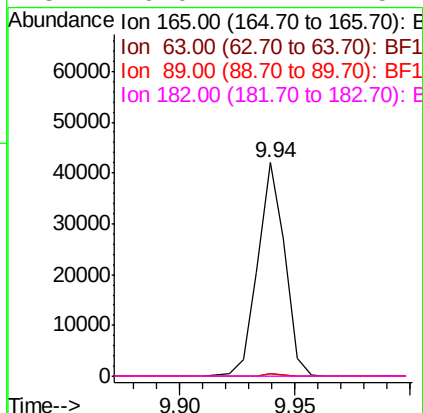
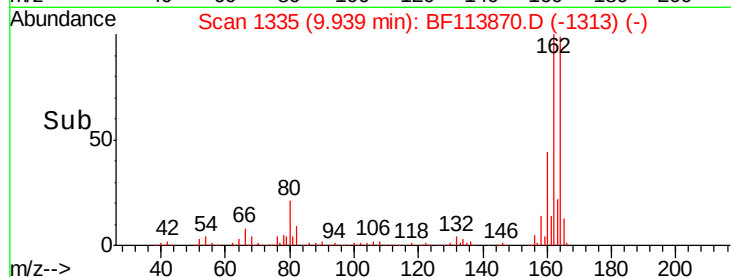
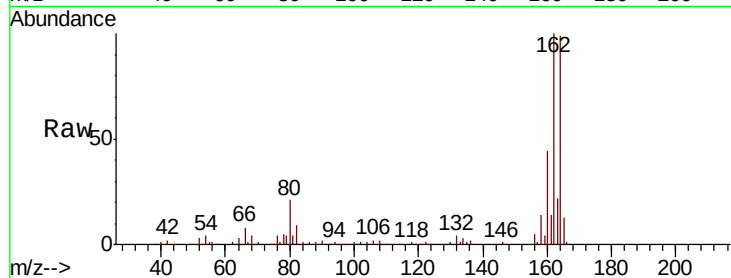




#57
 2,4-Dinitrotoluene
 Concen: 6.822 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.17 min
 Lab File: BF113870.D
 Acq: 19 Apr 2019 20:23

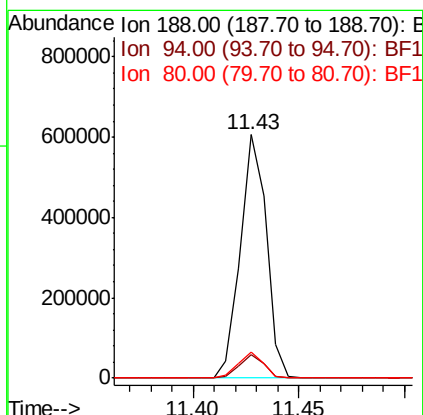
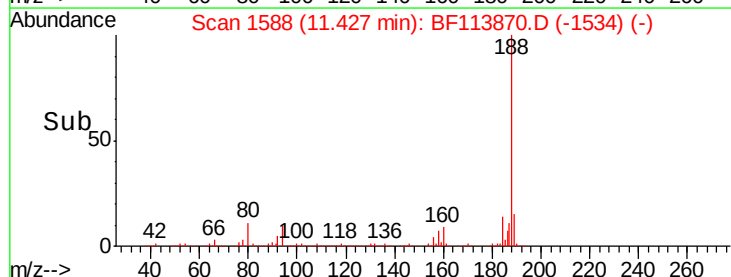
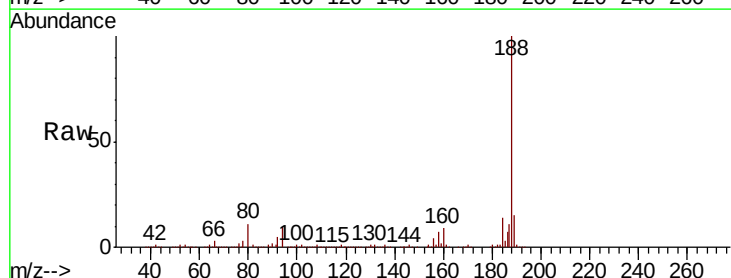
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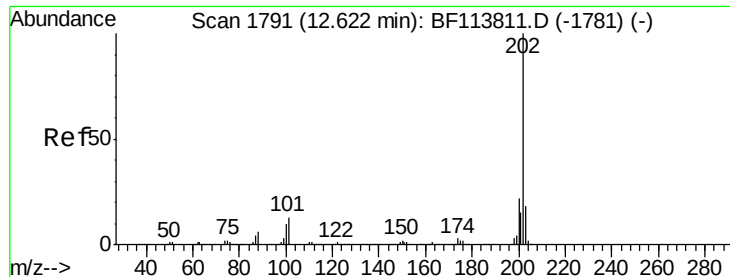
Tgt Ion:	165	Resp:	34494
Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.4	41.0#
89	1.2	51.8	77.6#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.02 min
 Lab File: BF113870.D
 Acq: 19 Apr 2019 20:23

Tgt Ion:	188	Resp:	518525
Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.2	12.4
80	10.7	9.0	13.6





#75

Fluoranthene

Concen: 2.242 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.08 min

Lab File: BF113870.D

Acq: 19 Apr 2019 20:23

Instrument :

BNA_F

ClientSampleId :

SU-02-041819-B

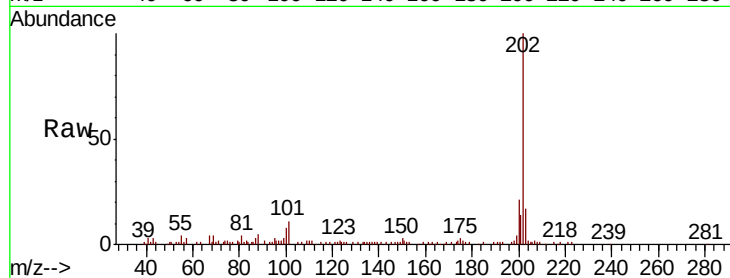
Tgt Ion: 202 Resp: 62754

Ion Ratio Lower Upper

202 100

101 11.3 0.0 32.9

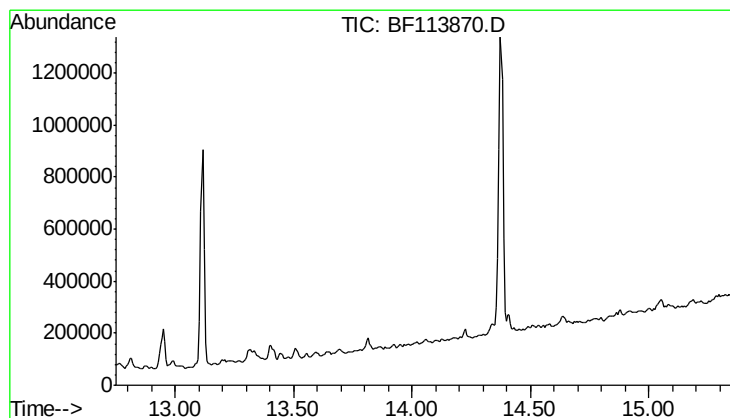
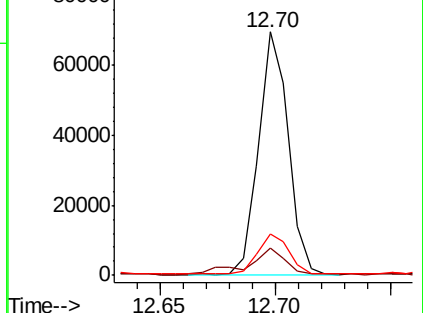
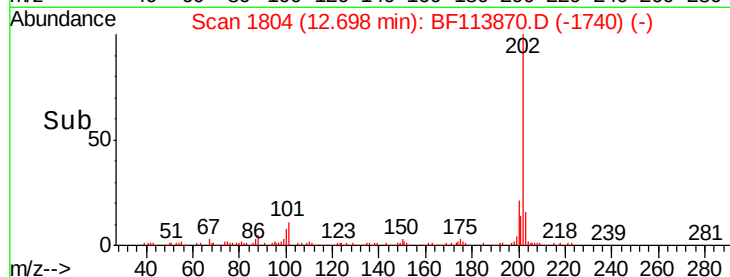
203 16.7 0.0 38.2



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: 0.000 ng

Expected RT: 14.04 min

Lab File: BF113870.D

Acq: 19 Apr 2019 20:23

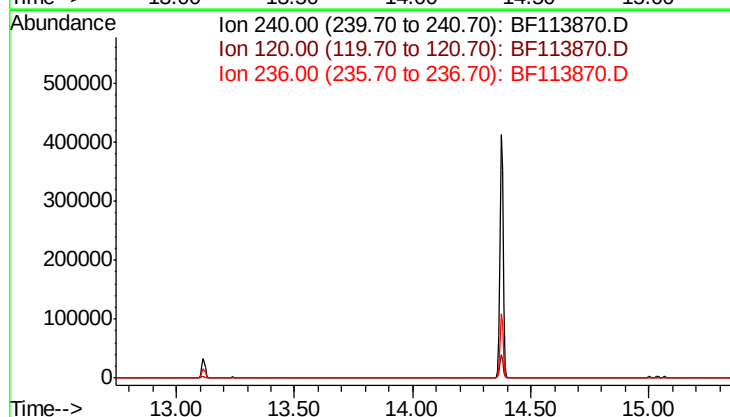
Tgt Ion: 240

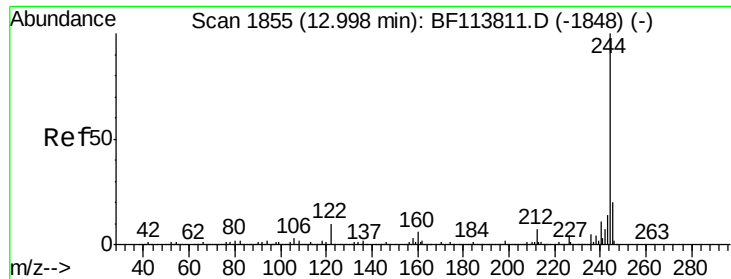
Sig Exp Ratio

240 100

120 11.6

236 26.5





#79

Terphenyl-d14

Concen: 0.000 ng

RT: 13.12 min Scan# 1875

Delta R.T. 0.12 min

Lab File: BF113870.D

Acq: 19 Apr 2019 20:23

Instrument :

BNA_F

ClientSampleId :

SU-02-041819-B

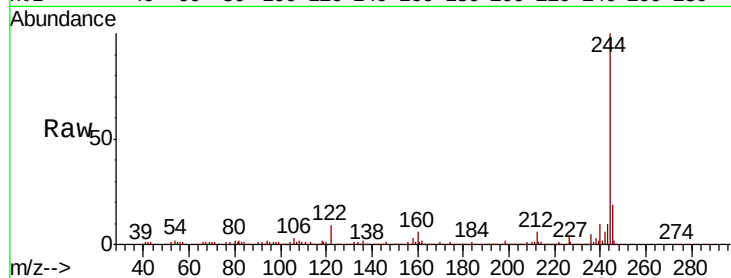
Tgt Ion:244 Resp: 296661

Ion Ratio Lower Upper

244 100

212 5.9 5.4 8.2

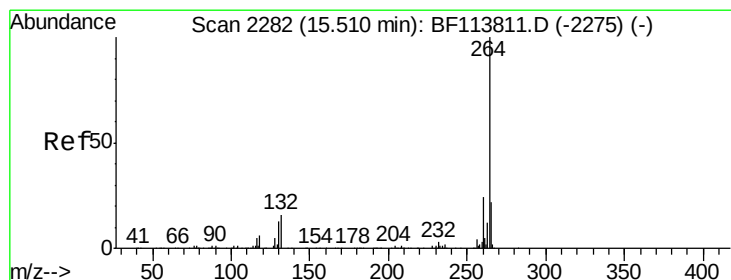
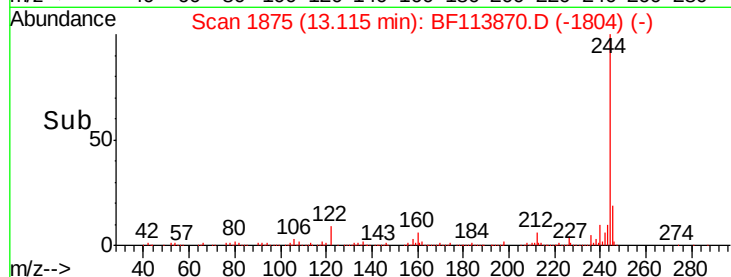
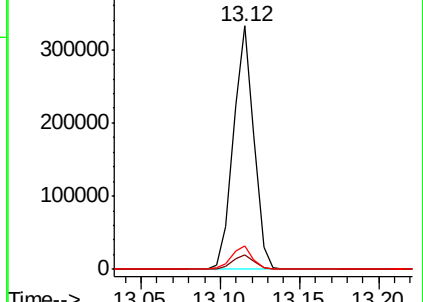
122 9.4 7.6 11.4



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: 15.51 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BF113870.D

Acq: 19 Apr 2019 20:23

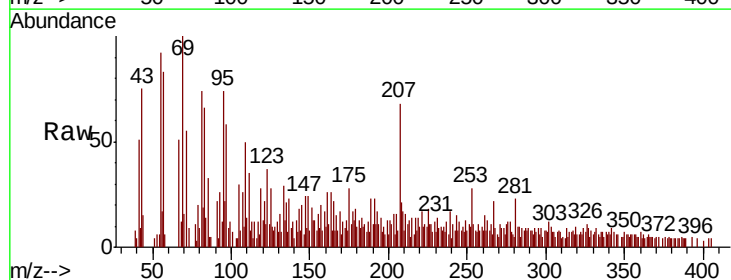
Tgt Ion:264 Resp: 255

Ion Ratio Lower Upper

264 100

260 91.4 18.9 28.3#

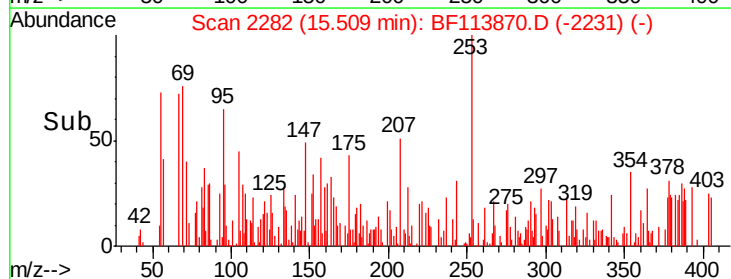
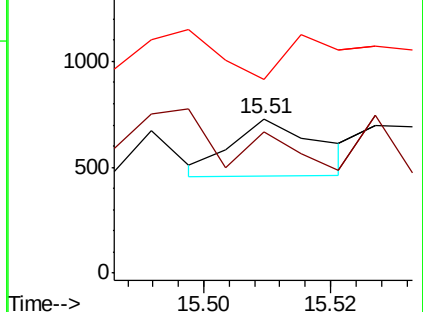
265 125.8 17.3 25.9#

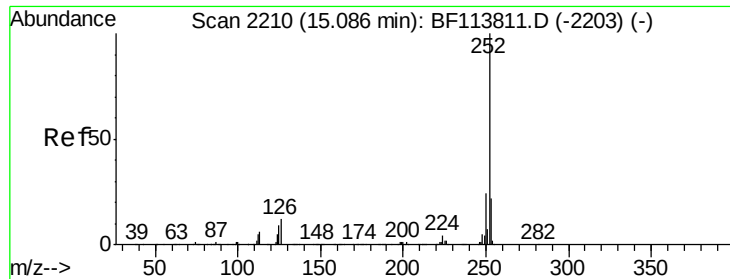


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

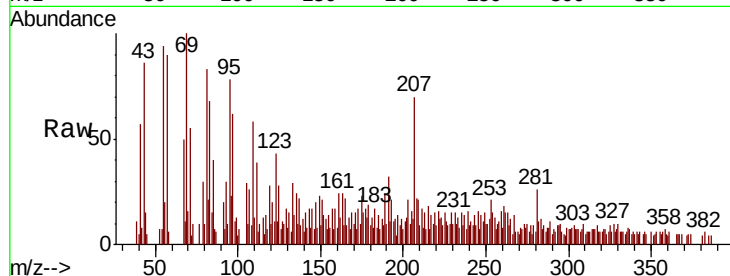




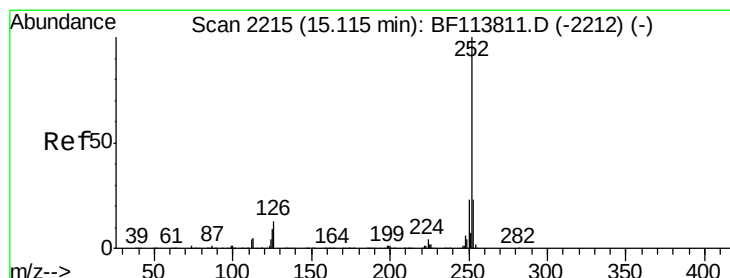
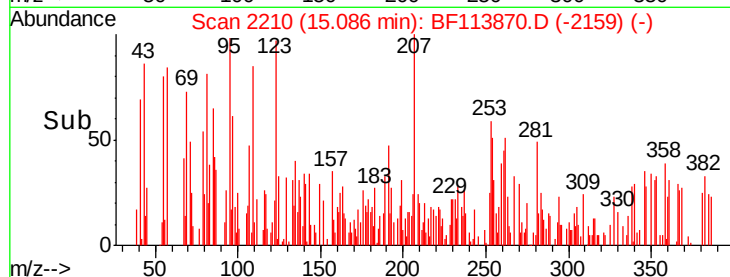
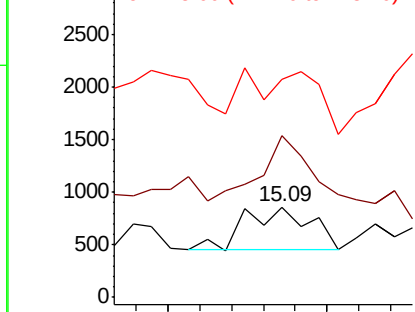
#88
Benzo(b)fluoranthene
Concen: 36.548 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BF113870.D
Acq: 19 Apr 2019 20:23

Instrument :
BNA_F
ClientSampleId :
SU-02-041819-B

Tgt Ion: 252 Resp: 581
Ion Ratio Lower Upper
252 100
253 179.3 17.8 26.6#
125 240.9 7.0 10.6#

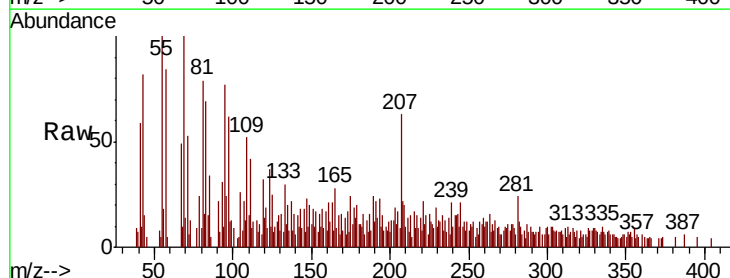


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

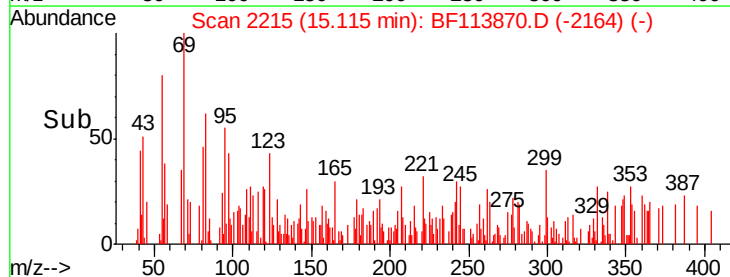
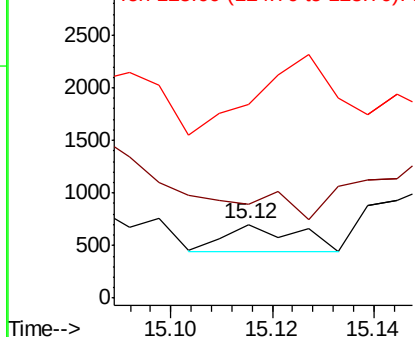


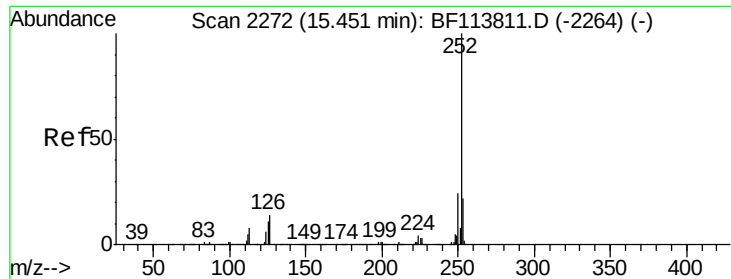
#89
Benzo(k)fluoranthene
Concen: 18.026 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF113870.D
Acq: 19 Apr 2019 20:23

Tgt Ion: 252 Resp: 261
Ion Ratio Lower Upper
252 100
253 128.1 18.2 27.2#
125 262.1 7.4 11.2#



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





#90

Benzo(a)pyrene

Concen: 2804.628 ng

RT: 15.70 min Scan# 2315

Delta R.T. 0.25 min

Lab File: BF113870.D

Acq: 19 Apr 2019 20:23

Instrument :

BNA_F

ClientSampleId :

SU-02-041819-B

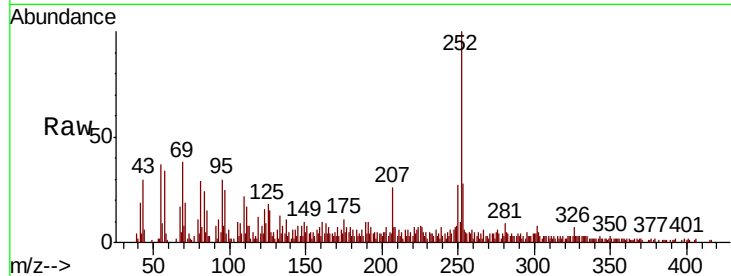
Tgt Ion:252 Resp: 39423

Ion Ratio Lower Upper

252 100

253 28.2 17.5 26.3#

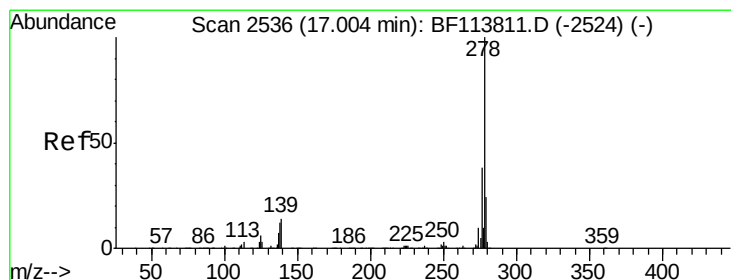
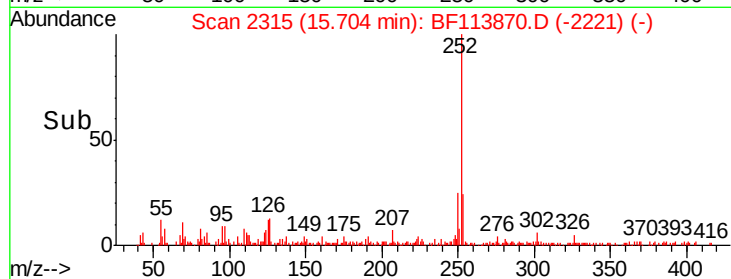
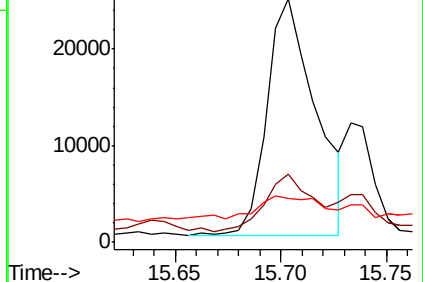
125 18.3 8.5 12.7#



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



#91

Dibenzo(a,h)anthracene

Concen: 19.829 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF113870.D

Acq: 19 Apr 2019 20:23

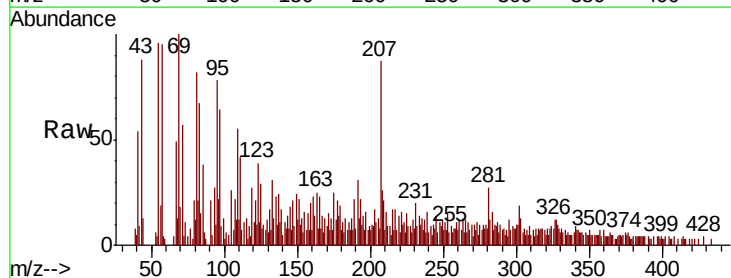
Tgt Ion:278 Resp: 248

Ion Ratio Lower Upper

278 100

139 221.5 11.6 17.4#

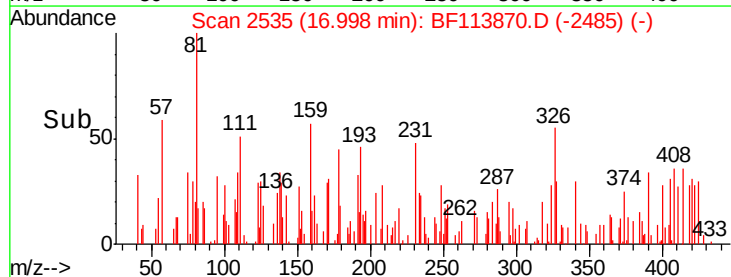
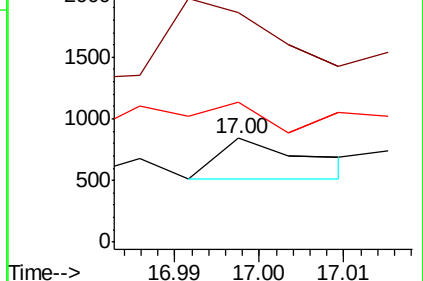
279 135.2 19.0 28.6#

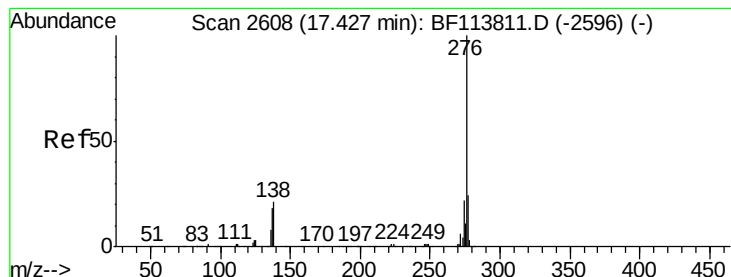


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 78.035 ng

RT: 17.41 min Scan# 2605

Delta R.T. -0.02 min

Lab File: BF113870.D

Acq: 19 Apr 2019 20:23

Instrument :

BNA_F

ClientSampleId :

SU-02-041819-B

Tgt Ion: 276 Resp: 992

Ion Ratio Lower Upper

276 100

277 87.5 19.0 28.4#

138 73.8 16.6 25.0#

