

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032819\
 Data File : BF113405.D
 Acq On : 29 Mar 2019 7:27
 Operator : JU/SJ
 Sample : K1950-03RE 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-005-BRE

Quant Time: Mar 29 08:34:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	178282	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	689840	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	308390	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	544441	20.00	ng	0.00
76) Chrysene-d12	13.84	240	452015	20.00	ng	0.00
87) Perylene-d12	15.24	264	359211	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	201915	18.52	ng	0.00
7) Phenol-d6	6.35	99	363781	26.37	ng	-0.01
23) Nitrobenzene-d5	7.26	82	201797	17.36	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	28148	7.39	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	470744	7.93	ng	0.00
79) Terphenyl-d14	12.79	244	415818	20.28	ng	-0.01

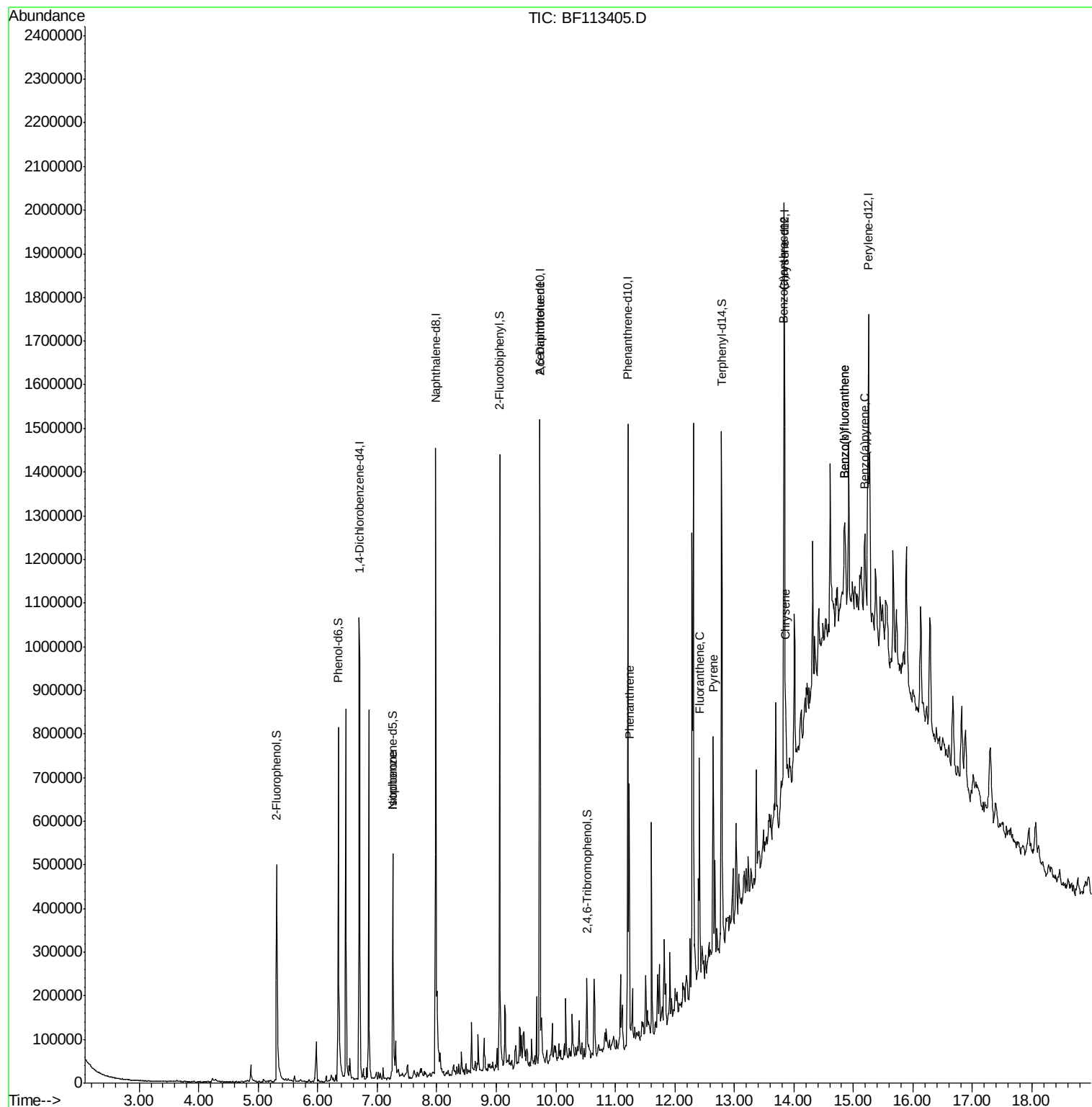
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.26	82	201662	8.953	ng	# 64
51) 2,6-Dinitrotoluene	9.73	165	40530	7.861	ng	# 27
71) Phenanthrene	11.23	178	212612	7.864	ng	98
75) Fluoranthene	12.42	202	214335	7.012	ng	98
78) Pyrene	12.64	202	216019	6.896	ng	98
81) Benzo(a)anthracene	13.83	228	96580	3.733	ng	# 92
83) Chrysene	13.86	228	99459	3.784	ng	# 95
88) Benzo(b)fluoranthene	14.85	252	116188	5.207	ng	# 80
89) Benzo(k)fluoranthene	14.85	252	116188	5.929	ng	# 80
90) Benzo(a)pyrene	15.19	252	60029	3.034	ng	# 78

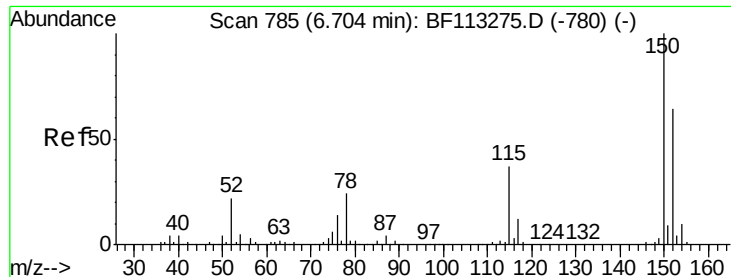
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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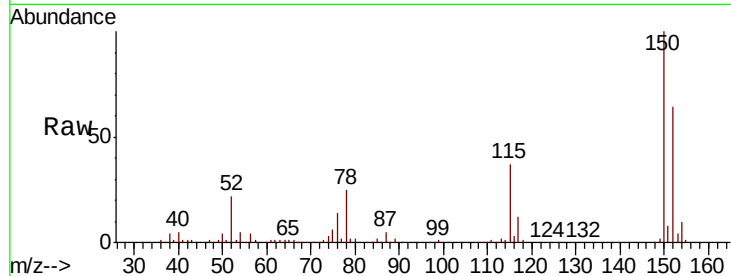




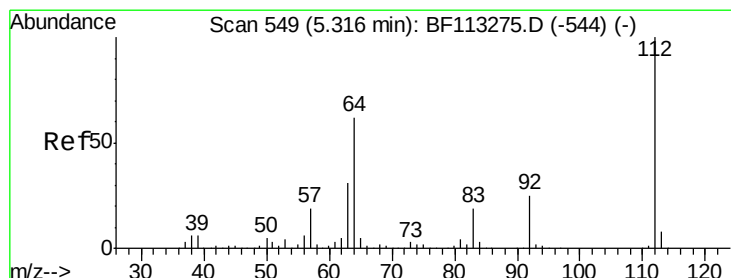
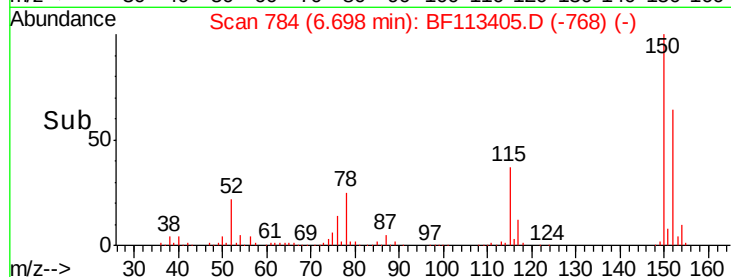
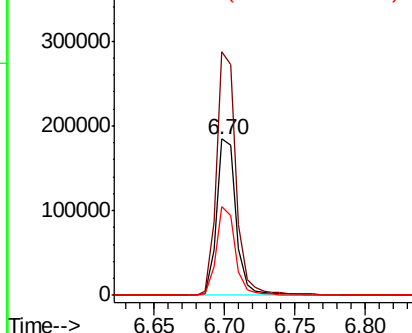
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF113405.D
 Acq: 29 Mar 2019 7:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-005-BRE

Tgt Ion:152 Resp: 178282
 Ion Ratio Lower Upper
 152 100
 150 156.0 124.7 187.1
 115 57.1 46.0 69.0

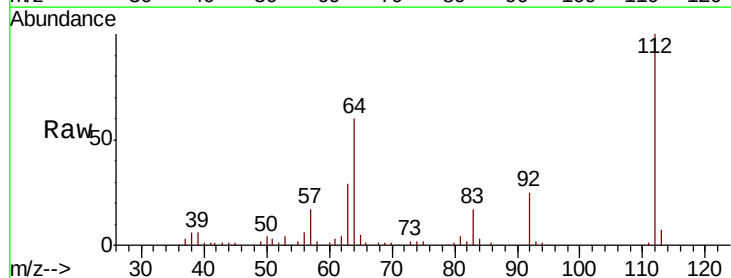


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

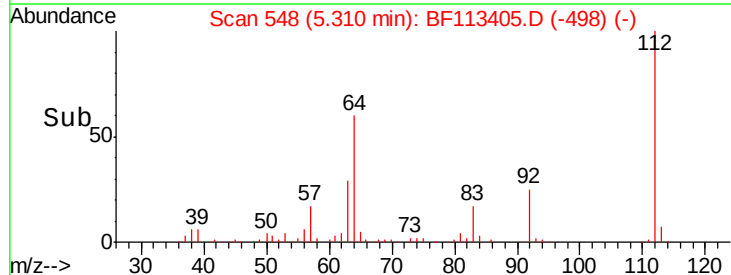
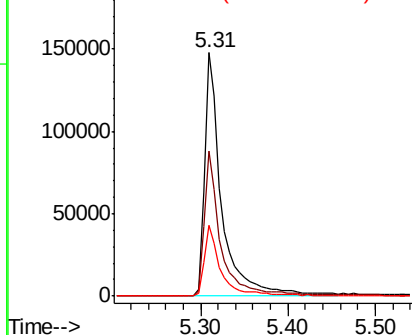


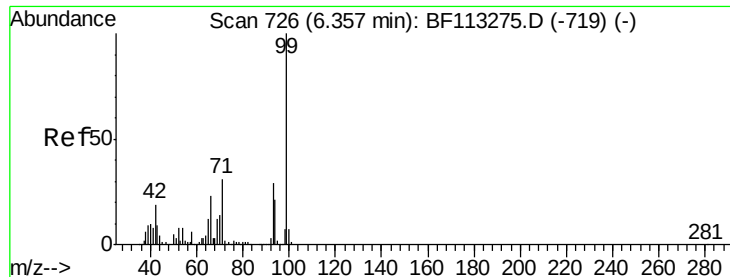
#5
 2-Fluorophenol
 Concen: 18.519 ng
 RT: 5.31 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: BF113405.D
 Acq: 29 Mar 2019 7:27

Tgt Ion:112 Resp: 201915
 Ion Ratio Lower Upper
 112 100
 64 59.5 49.2 73.8
 63 28.9 24.9 37.3



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: 26.374 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-005-BRE

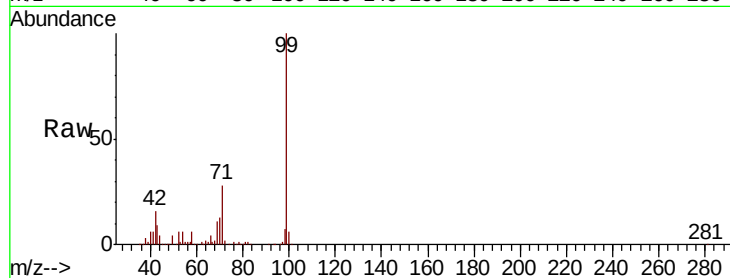
Tgt Ion: 99 Resp: 363781

Ion Ratio Lower Upper

99 100

42 16.3 14.8 22.2

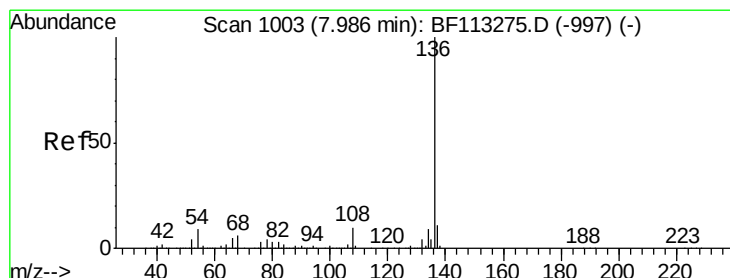
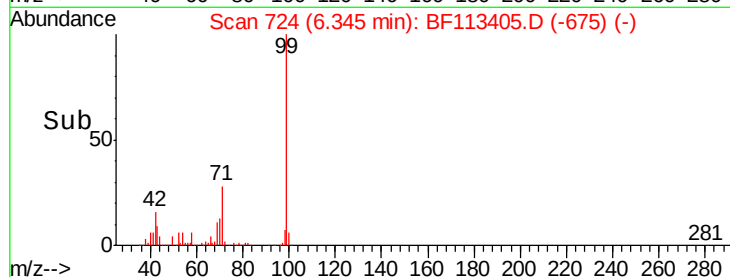
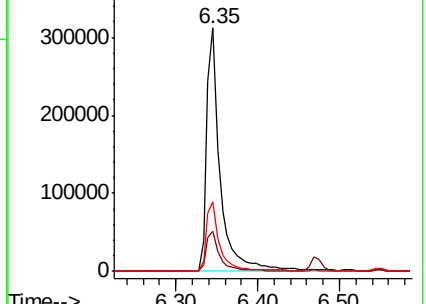
71 28.4 24.9 37.3



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: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

Tgt Ion: 136 Resp: 689840

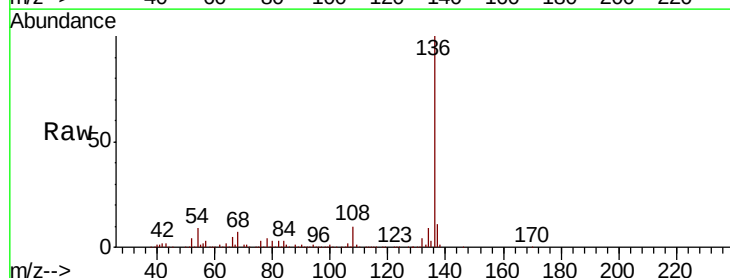
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 8.6 7.0 10.6

68 6.6 4.8 7.2

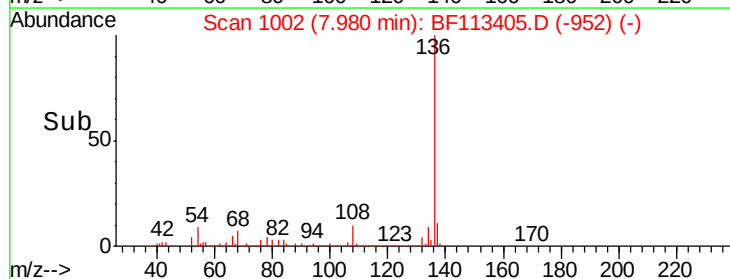
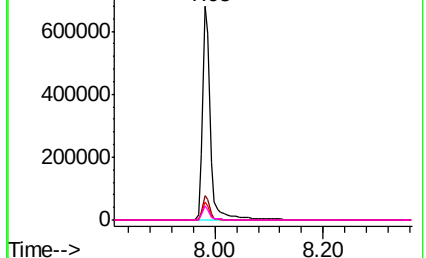


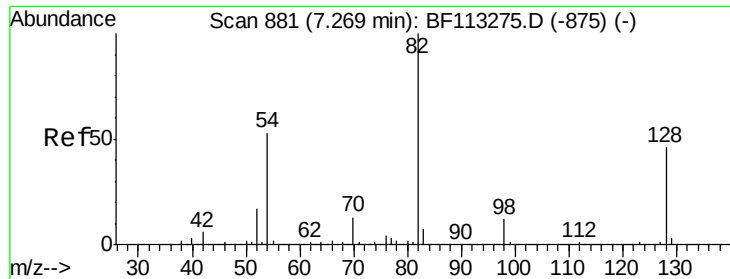
Abundance Ion 136.00 (135.70 to 136.70): E

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

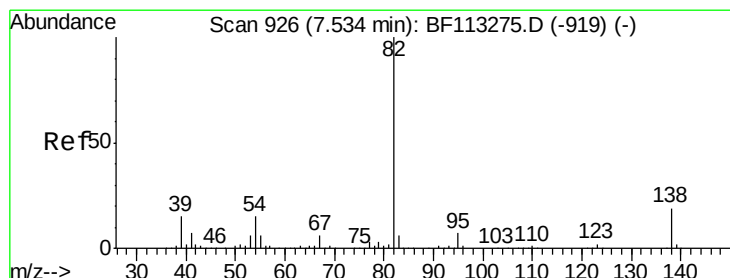
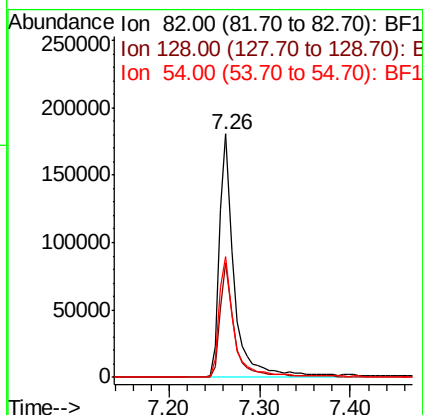
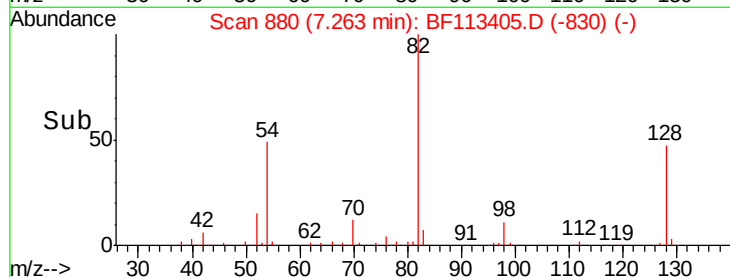
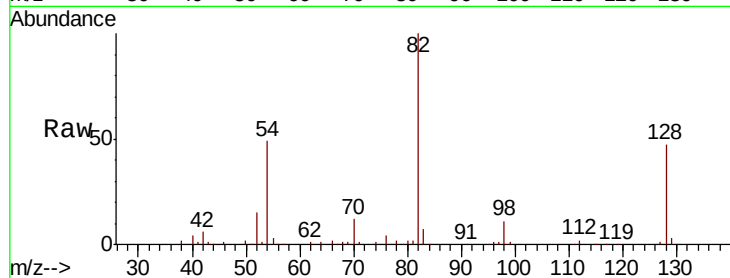




#23
 Nitrobenzene-d5
 Concen: 17.363 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BF113405.D
 Acq: 29 Mar 2019 7:27

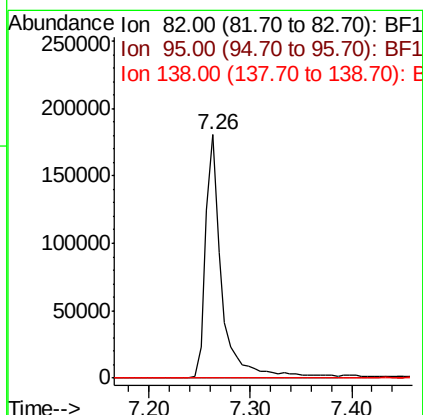
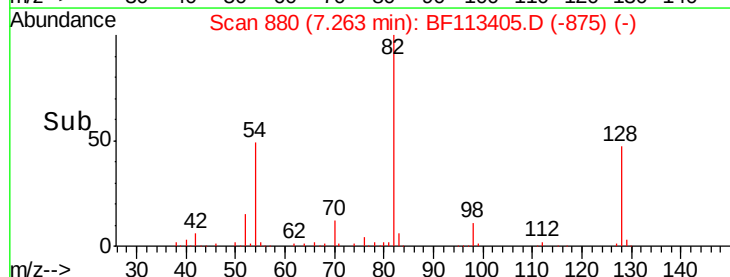
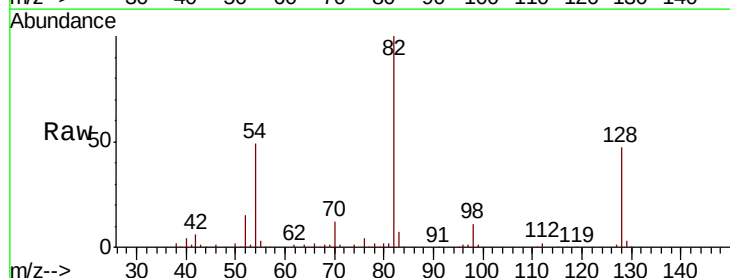
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-005-BRE

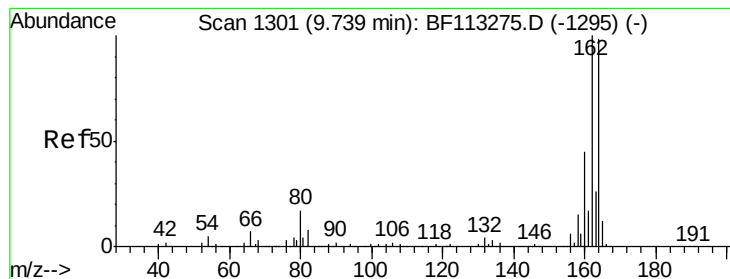
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.5	54.7
54	49.4	42.2	63.2



#25
 Isophorone
 Concen: 8.953 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.27 min
 Lab File: BF113405.D
 Acq: 29 Mar 2019 7:27

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.3	5.5	8.3#
138	0.0	15.2	22.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-005-BRE

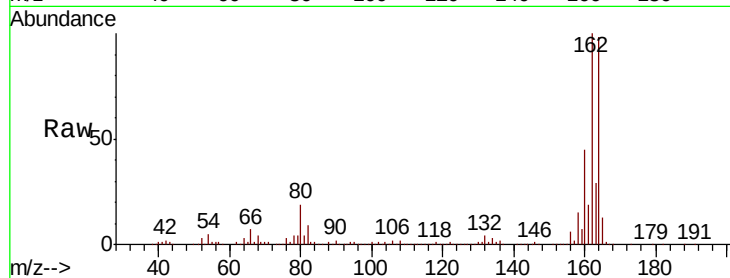
Tgt Ion:164 Resp: 308390

Ion Ratio Lower Upper

164 100

162 102.3 81.8 122.6

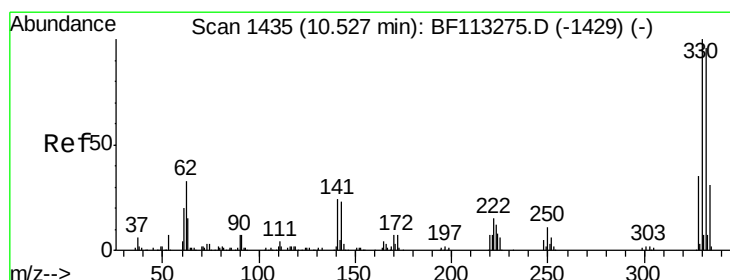
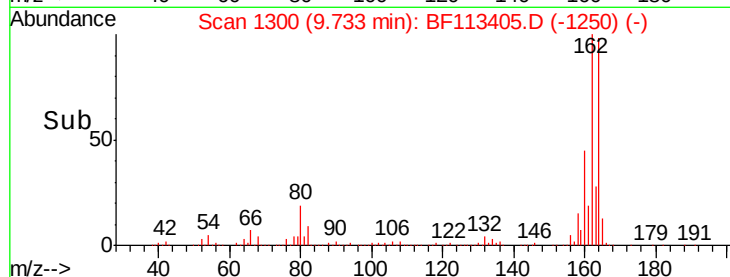
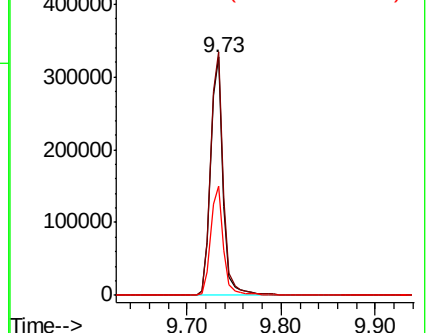
160 45.8 36.4 54.6



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: 7.389 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

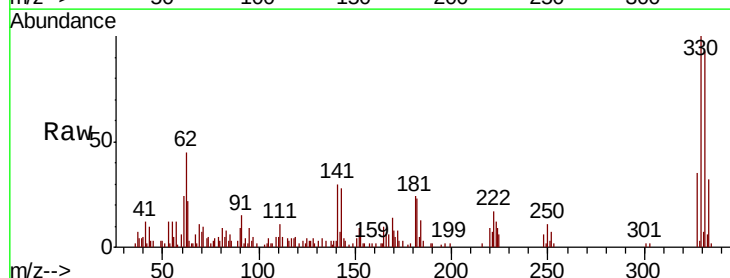
Tgt Ion:330 Resp: 28148

Ion Ratio Lower Upper

330 100

332 95.4 77.8 116.6

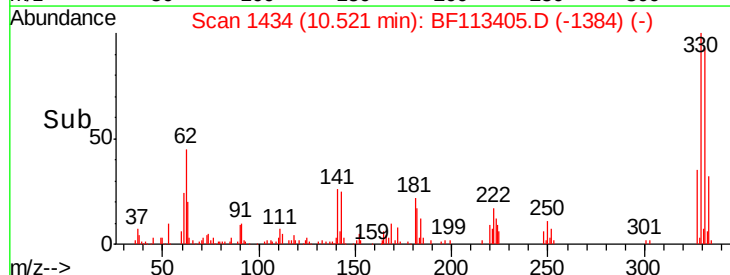
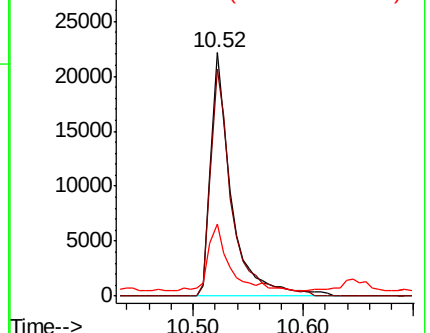
141 28.0 22.7 34.1

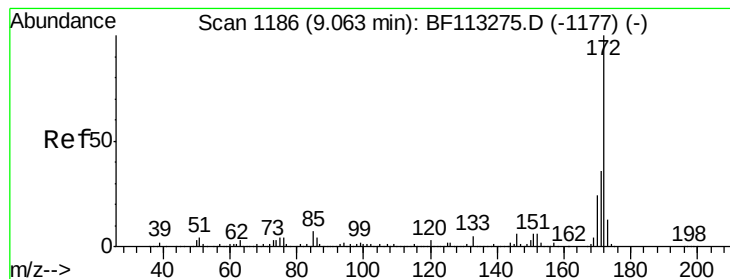


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 7.934 ng

RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

Instrument :

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ClientSampleId :

FK-SF-03-005-BRE

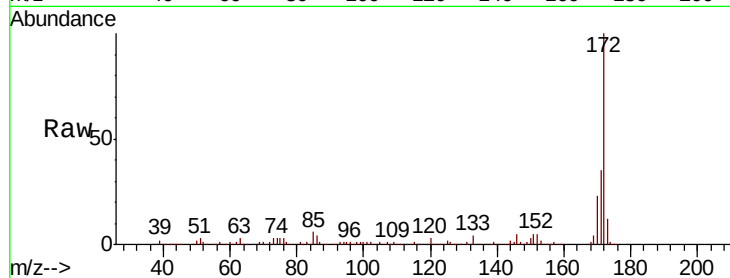
Tgt Ion:172 Resp: 470744

Ion Ratio Lower Upper

172 100

171 34.8 29.0 43.6

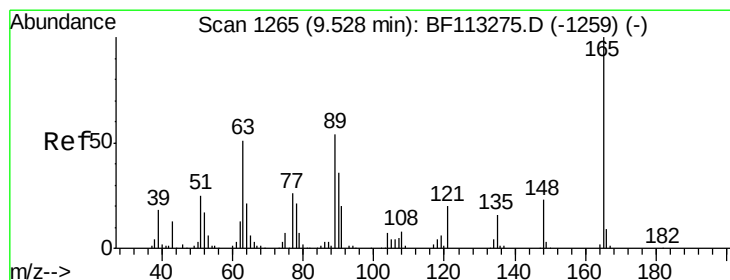
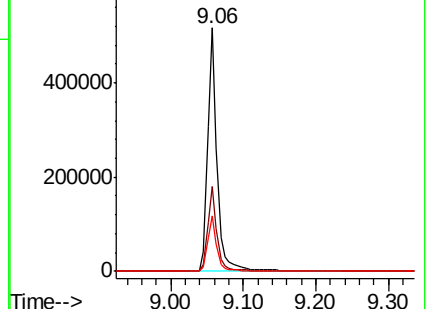
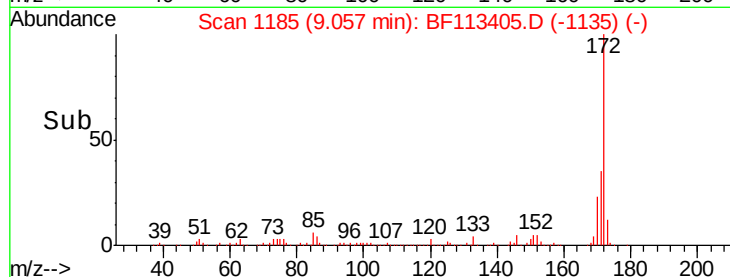
170 22.8 19.5 29.3



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: 7.861 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.21 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

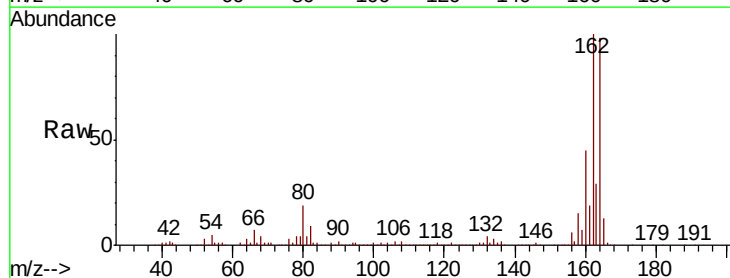
Tgt Ion:165 Resp: 40530

Ion Ratio Lower Upper

165 100

63 1.4 43.4 65.0#

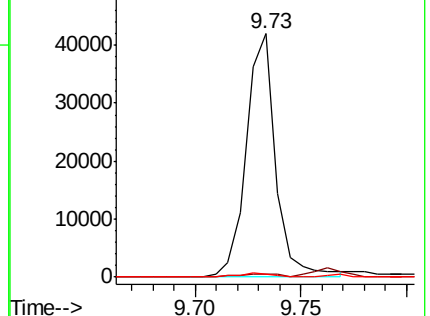
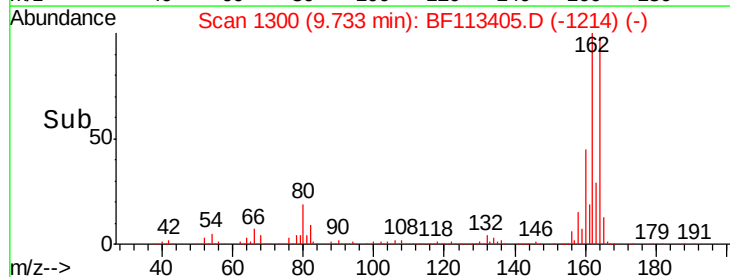
89 1.5 43.1 64.7#

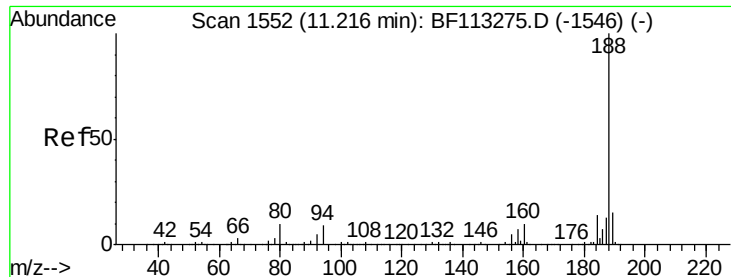


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

Instrument :

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ClientSampleId :

FK-SF-03-005-BRE

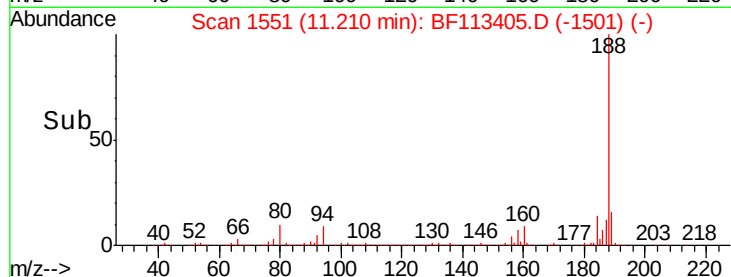
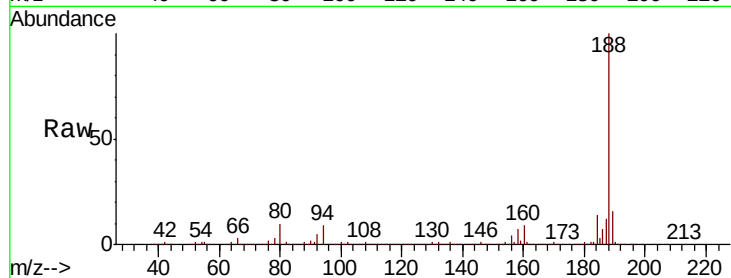
Tgt Ion:188 Resp: 544441

Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.6

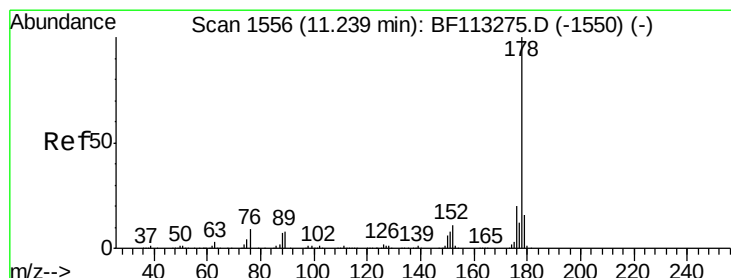
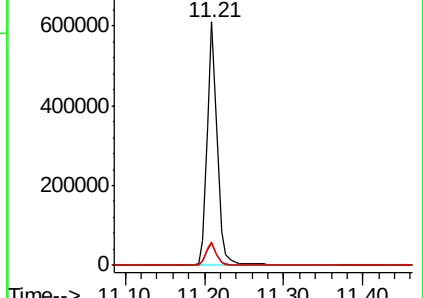
80 9.6 7.7 11.5



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



#71

Phenanthrene

Concen: 7.864 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

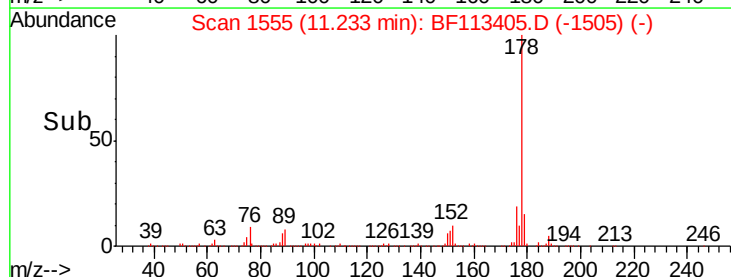
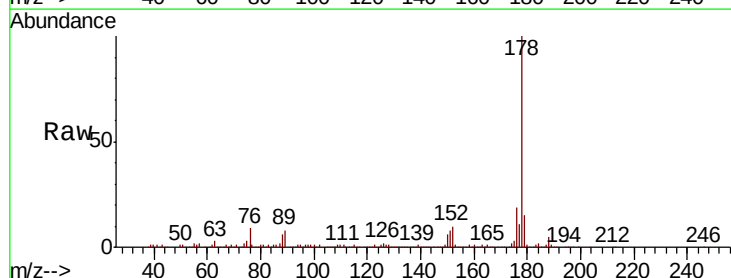
Tgt Ion:178 Resp: 212612

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.2

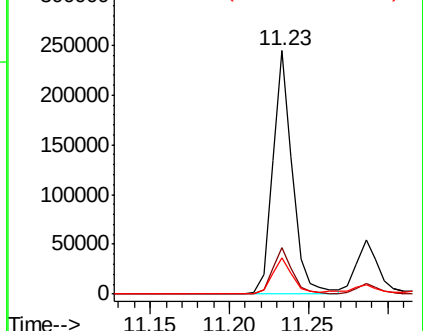
179 15.0 12.7 19.1

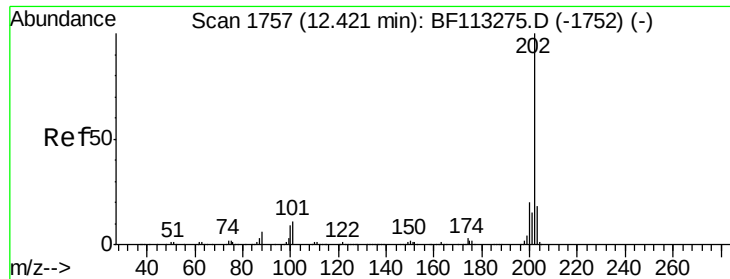


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.012 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF113405.D

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FK-SF-03-005-BRE

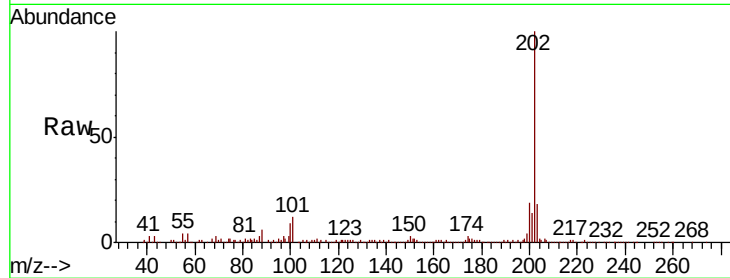
Tgt Ion:202 Resp: 214335

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.4

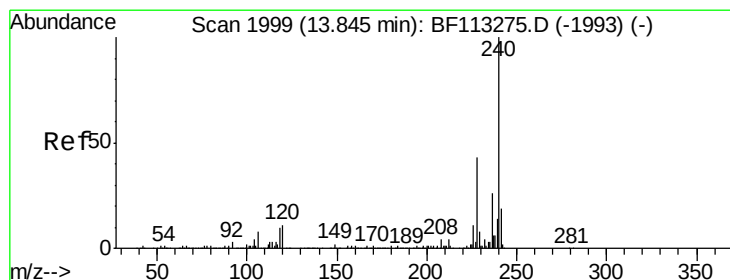
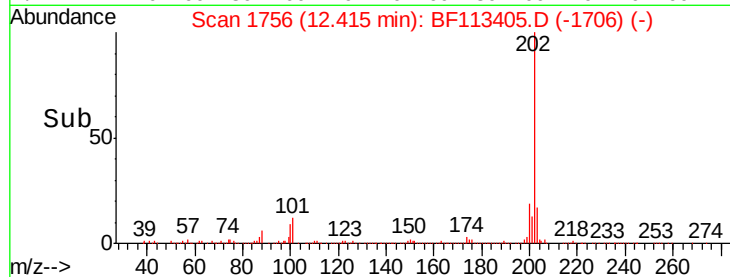
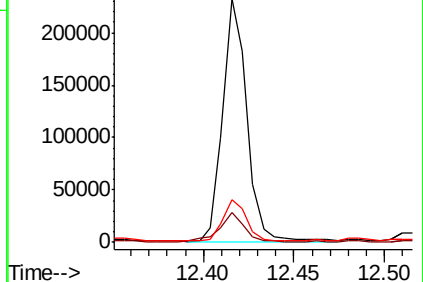
203 17.5 0.0 38.0



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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

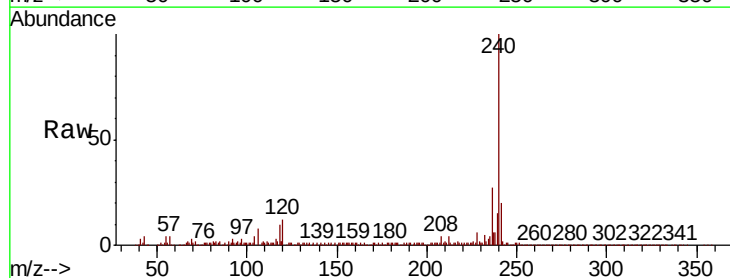
Tgt Ion:240 Resp: 452015

Ion Ratio Lower Upper

240 100

120 11.7 8.8 13.2

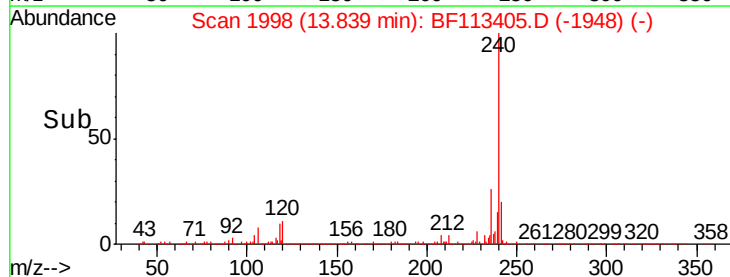
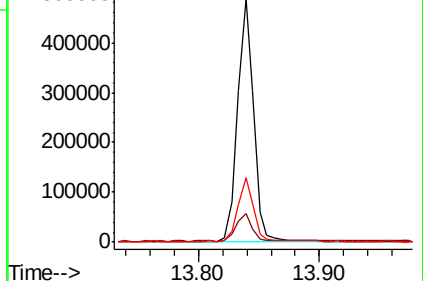
236 26.7 20.9 31.3

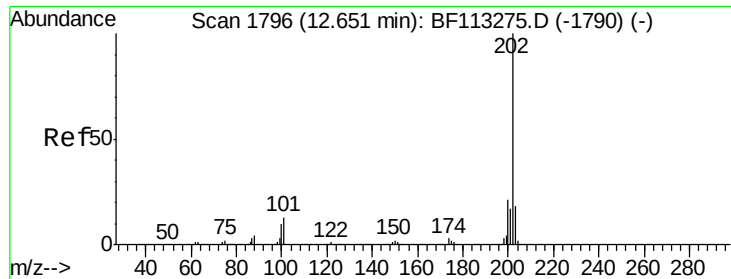


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

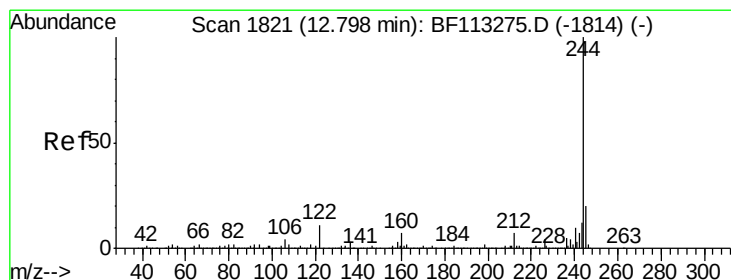
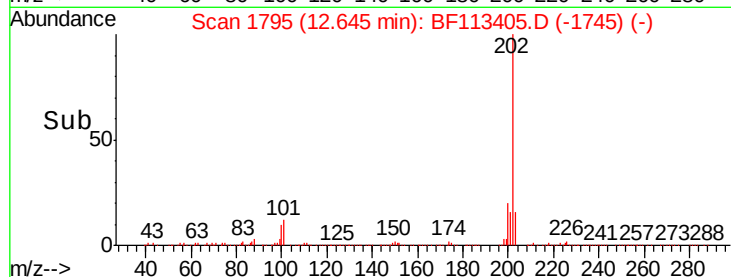
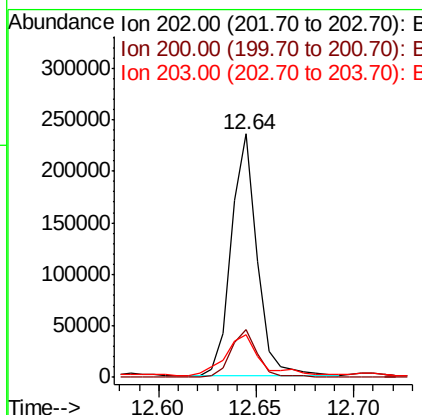
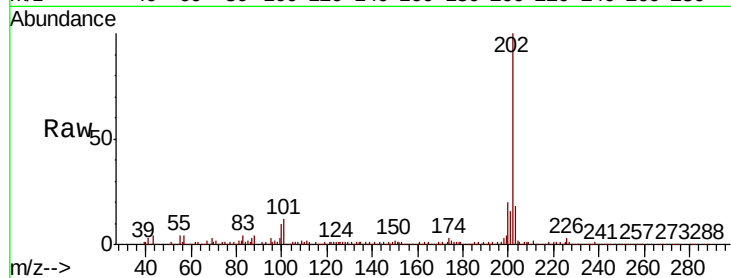




#78
 Pyrene
 Concen: 6.896 ng
 RT: 12.64 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BF113405.D
 Acq: 29 Mar 2019 7:27

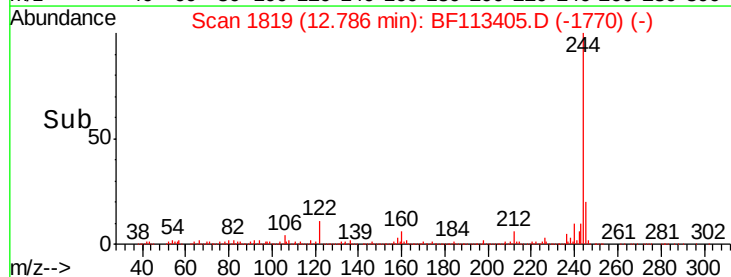
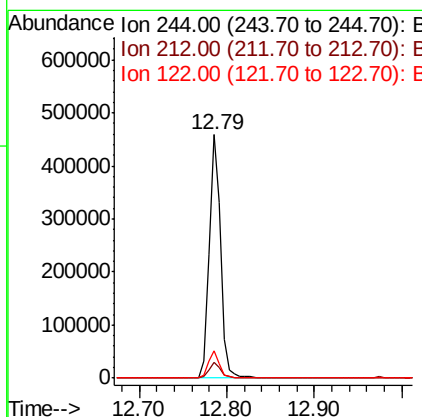
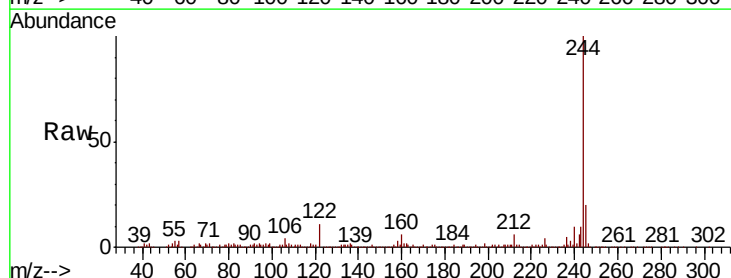
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-005-BRE

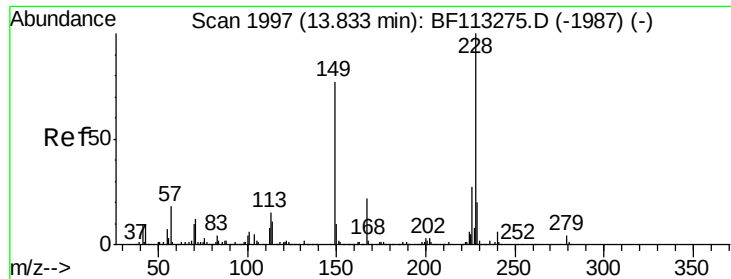
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.8	25.2
203	17.7	14.4	21.6



#79
 Terphenyl-d14
 Concen: 20.277 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF113405.D
 Acq: 29 Mar 2019 7:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.5	8.3
122	11.3	8.6	13.0





#81

Benzo(a)anthracene

Concen: 3.733 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

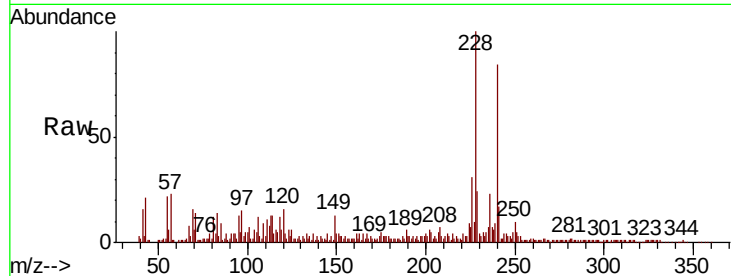
Instrument :

BNA_F

ClientSampleId :

FK-SF-03-005-BRE

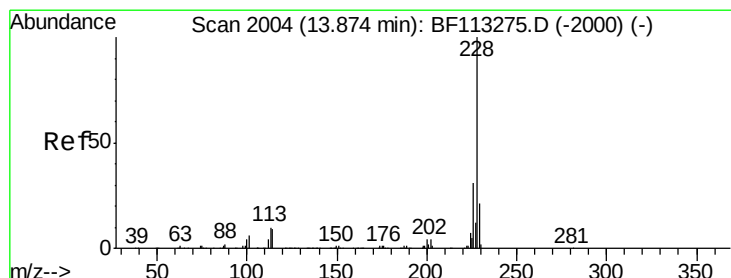
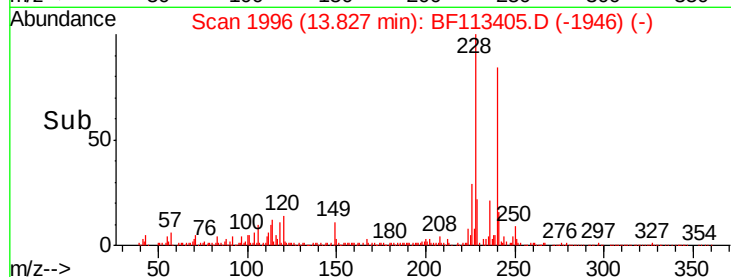
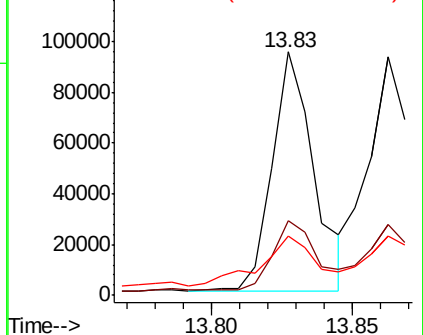
Tgt Ion:	228	Resp:	96580
Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.8	32.8
229	24.5	16.2	24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 3.784 ng

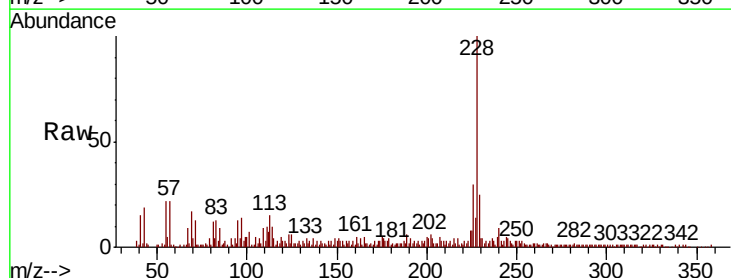
RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

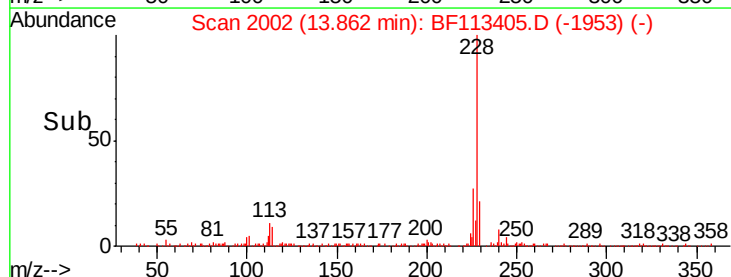
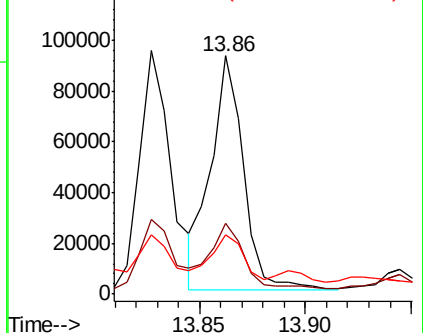
Tgt Ion:	228	Resp:	99459
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.3	36.5
229	25.0	16.3	24.5

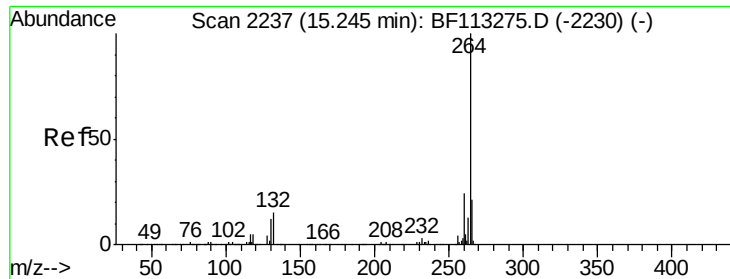


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



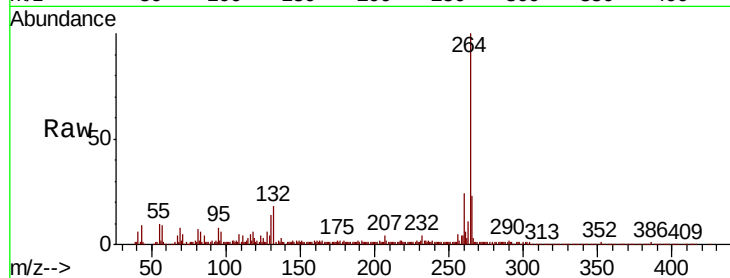


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BF113405.D
Acq: 29 Mar 2019 7:27

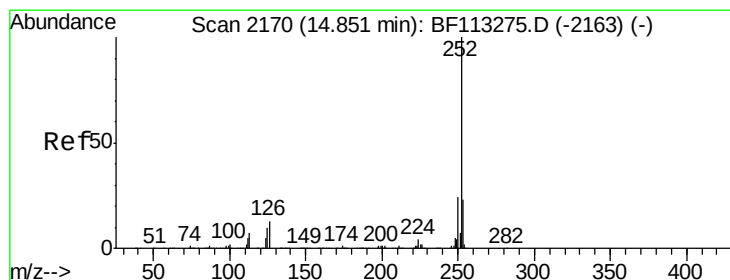
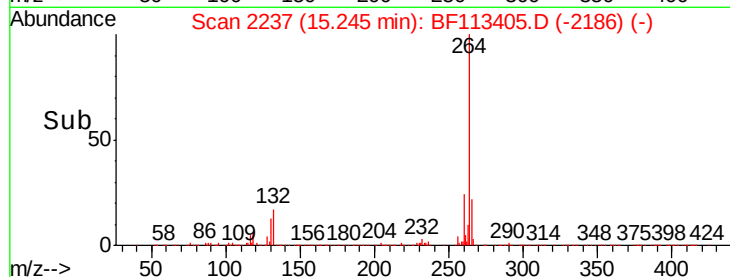
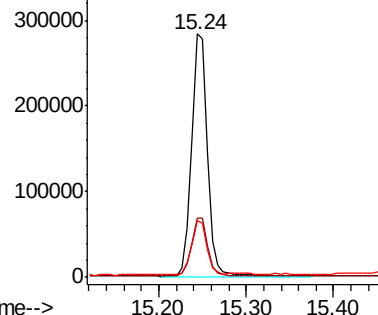
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-005-BRE

Tgt Ion: 264 Resp: 359211

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.1	28.7
265	23.2	17.1	25.7



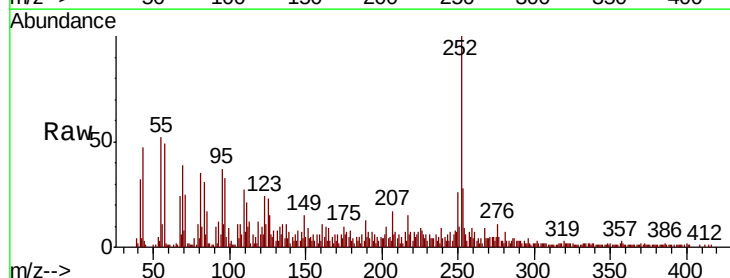
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



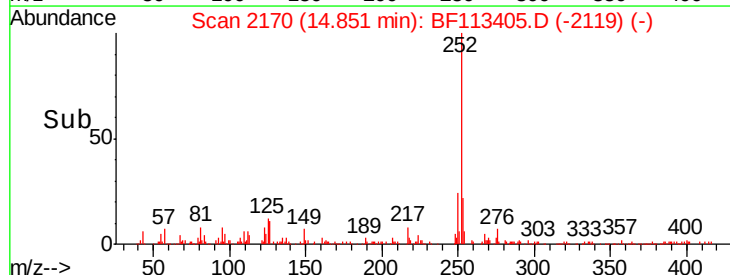
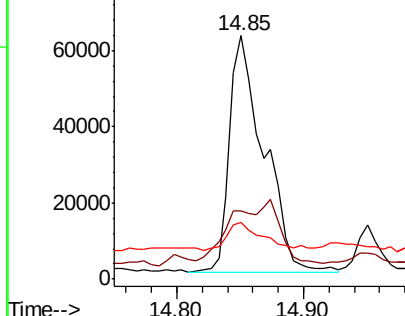
#88
Benzo(b)fluoranthene
Concen: 5.207 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF113405.D
Acq: 29 Mar 2019 7:27

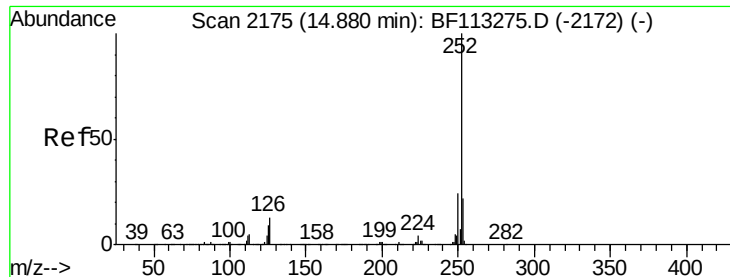
Tgt Ion: 252 Resp: 116188

Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.0	27.0#
125	23.3	7.6	11.4#



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

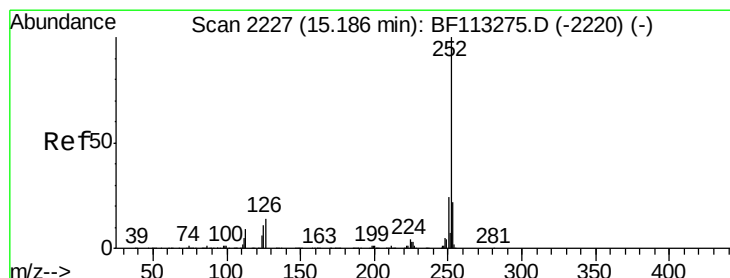
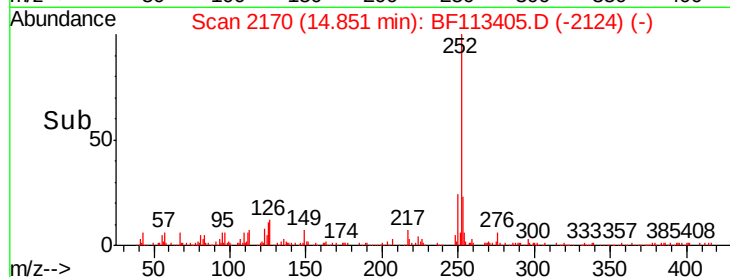
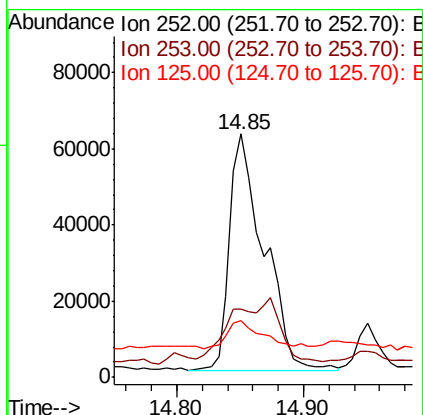
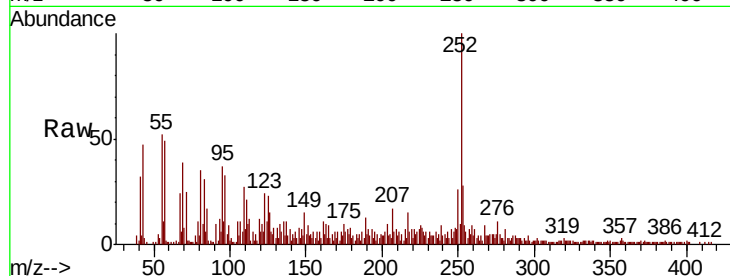




#89
Benzo(k)fluoranthene
Concen: 5.929 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF113405.D
Acq: 29 Mar 2019 7:27

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-005-BRE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.7	26.5#
125	23.3	7.3	10.9#



#90
Benzo(a)pyrene
Concen: 3.034 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF113405.D
Acq: 29 Mar 2019 7:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.9	26.9#
125	24.9	8.8	13.2#

