

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
 Data File : BF088019.D
 Acq On : 15 Jun 2016 1:21
 Operator : UM/SJ
 Sample : H3471-16
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-1100-(0-4)

Manual Integrations
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Quant Time: Jun 15 05:25:19 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 04:08:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	108094	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	381490	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	164542	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	241426	20.00	ng	0.00
75) Chrysene-d12	13.94	240	246353	20.00	ng	0.00
86) Perylene-d12	15.35	264	192654	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	728348	115.19	ng	0.01
7) Phenol-d6	6.43	99	1076261	140.45	ng	0.01
23) Nitrobenzene-d5	7.35	82	589176	90.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	168395	96.92	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	917393	87.77	ng	0.00
78) Terphenyl-d14	12.89	244	661411	61.09	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.54	163	211016	17.70	ng	100
70) Phenanthrene	11.32	178	43337	3.42	ng	98
71) Anthracene	11.38	178	29626	2.32	ng	97
74) Fluoranthene	12.51	202	190877	14.28	ng	98
77) Pyrene	12.74	202	185609	10.15	ng	98
80) Benzo(a)anthracene	13.93	228	108058	7.70	ng	# 91
82) Chrysene	13.97	228	110547m	8.37	ng	
85) Indeno(1,2,3-cd)pyrene	16.70	276	37727	3.07	ng	# 100
87) Benzo(b)fluoranthene	14.95	252	129989m	9.68	ng	
88) Benzo(k)fluoranthene	14.96	252	56860m	5.61	ng	
89) Benzo(a)pyrene	15.29	252	75381	6.94	ng	97
91) Benzo(a,h,i)perylene	17.11	276	33545	3.23	ng	97

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

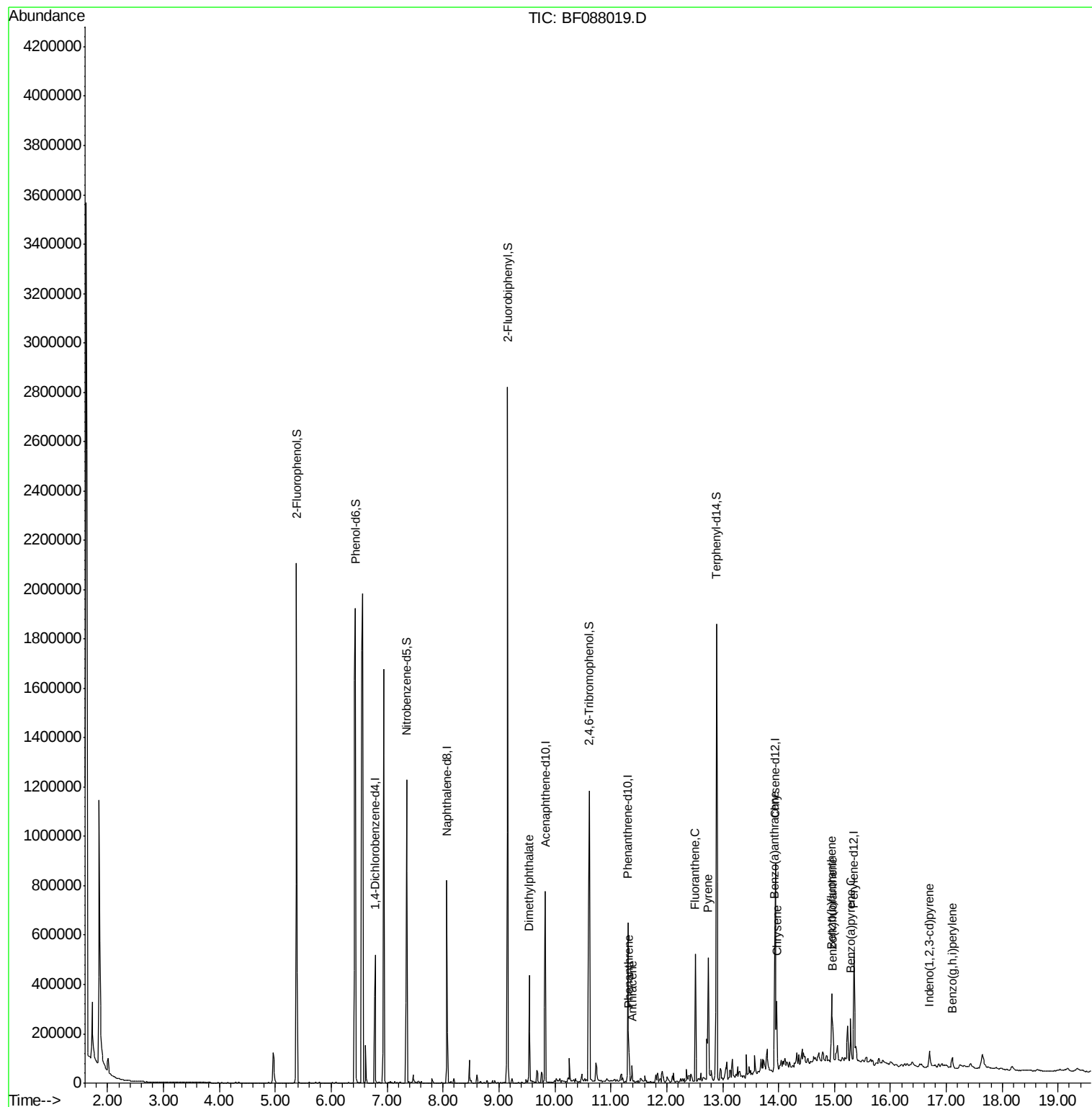
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088019.D
Acq On : 15 Jun 2016 1:21
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#1

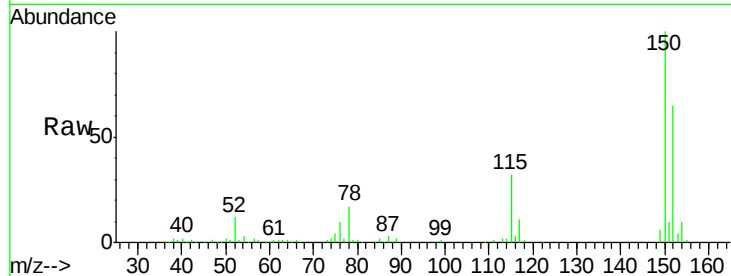
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.00 min
Lab File: BF088019.D
Acq: 15 Jun 2016 1:21

Instrument :
BNA_F
ClientSampleId :
STA-1100-(0-4)

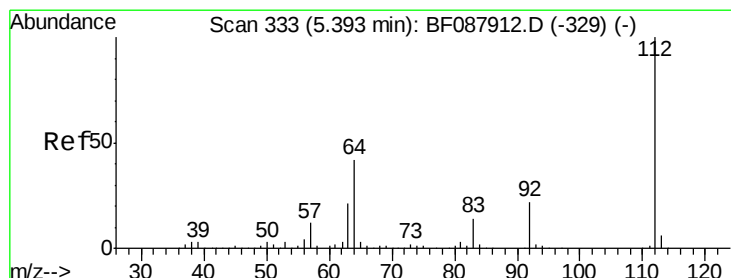
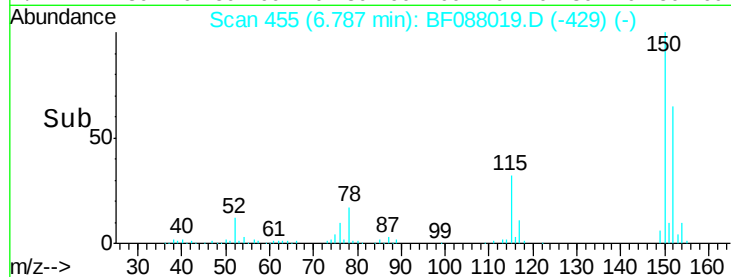
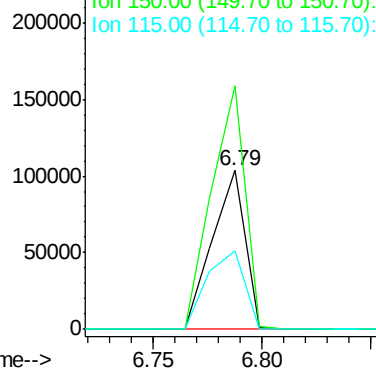
Tot Ion	Ratio	Resp	Lower	Upper
152	100	108094		
150	153.3	123.8	185.6	
115	49.8	39.6	59.4	

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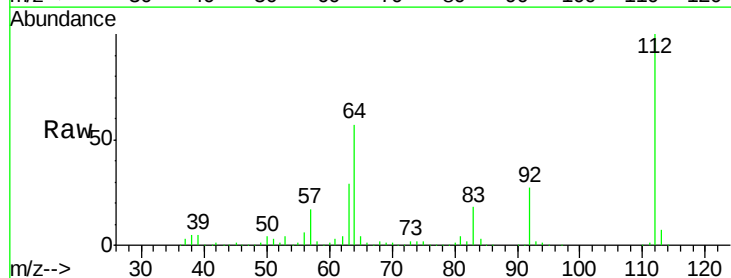
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



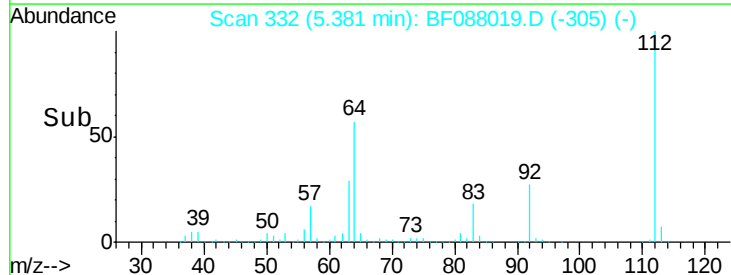
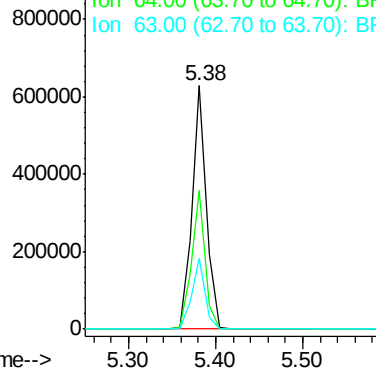
#5

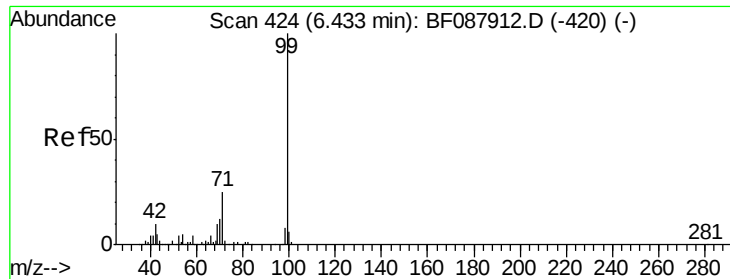
2-Fluorophenol
Concen: 115.19 ng
RT: 5.38 min Scan# 332
Delta R.T. 0.01 min
Lab File: BF088019.D
Acq: 15 Jun 2016 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	728348		
64	56.7	42.2	63.2	
63	29.0	21.8	32.8	



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 140.45 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.01 min

Lab File: BF088019.D

Acq: 15 Jun 2016 1:21

Instrument :

BNA_F

ClientSampleId :

STA-1100-(0-4)

Tot Ion: 99 Resp: 1076261

Ion Ratio Lower Upper

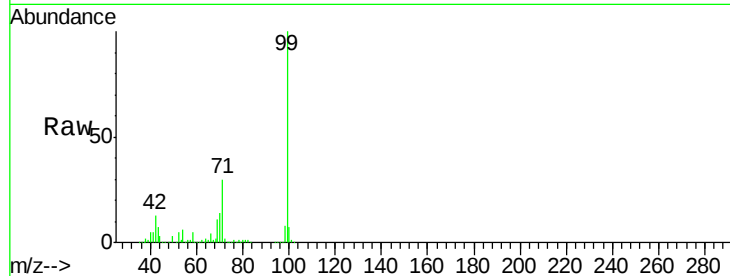
99 100

42 13.1 12.2 18.2

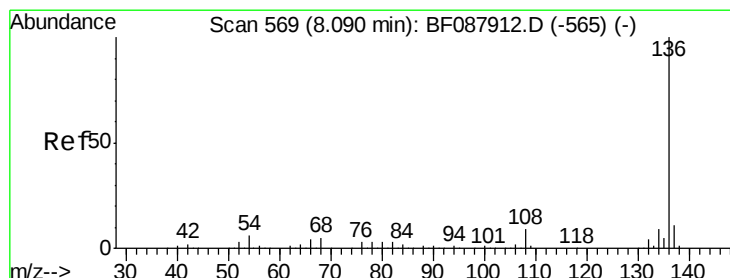
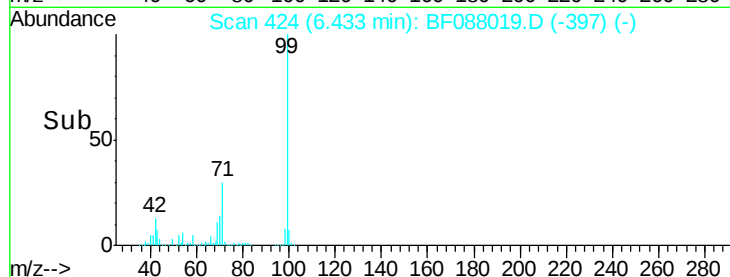
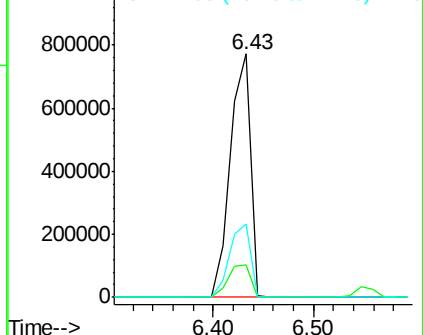
71 30.1 23.4 35.0

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 567

Delta R.T. -0.00 min

Lab File: BF088019.D

Acq: 15 Jun 2016 1:21

Tgt Ion: 136 Resp: 381490

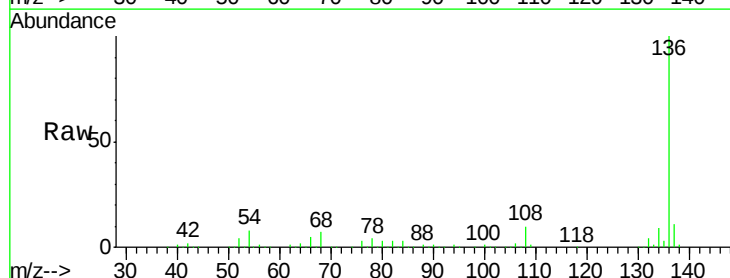
Ion Ratio Lower Upper

136 100

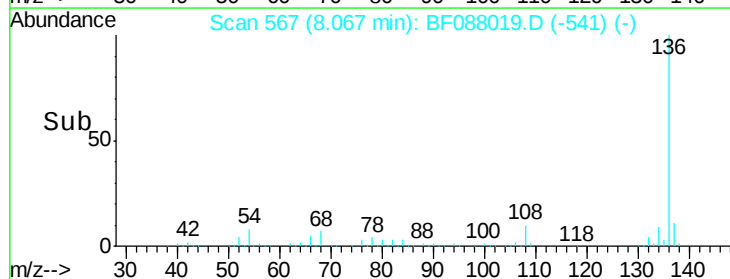
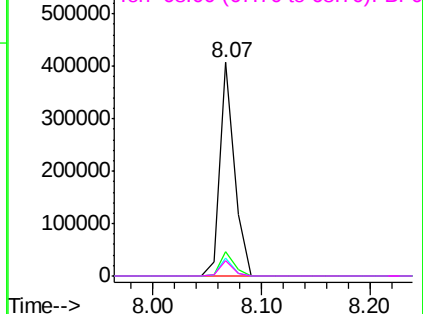
137 11.5 9.1 13.7

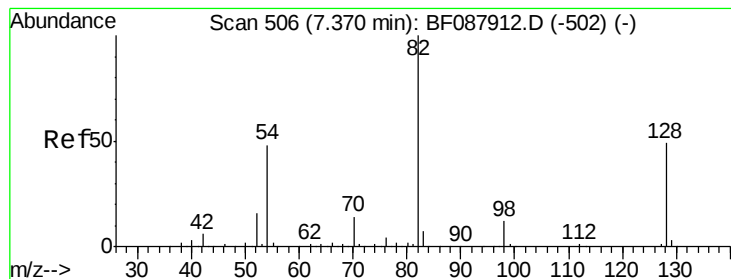
54 8.1 6.6 10.0

68 7.0 5.1 7.7



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): BF0
Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 90.18 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF088019.D

Acq: 15 Jun 2016 1:21

Instrument :

BNA_F

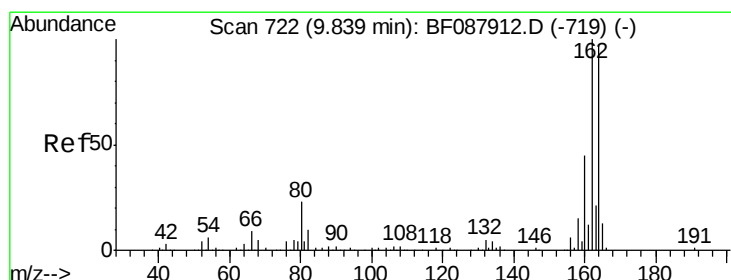
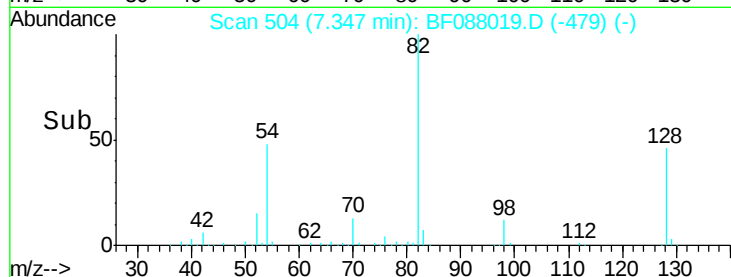
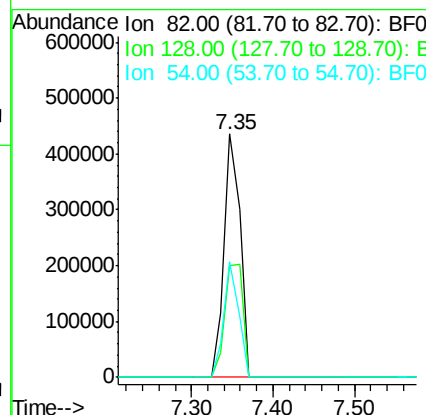
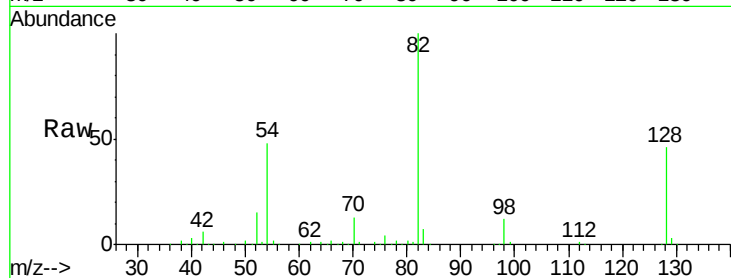
ClientSampled :

STA-1100-(0-4)

Tot Ion	82	Resp	589176
Ion Ratio	Lower	Upper	
82	100		
128	45.8	35.9	53.9
54	47.5	40.9	61.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

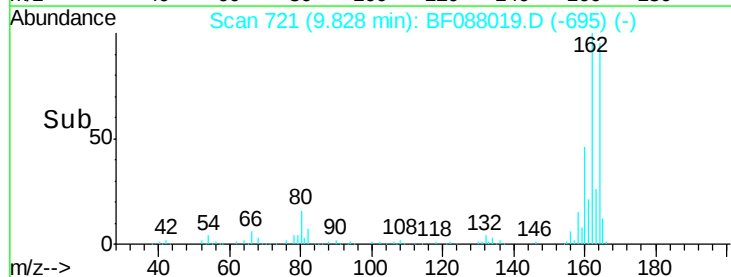
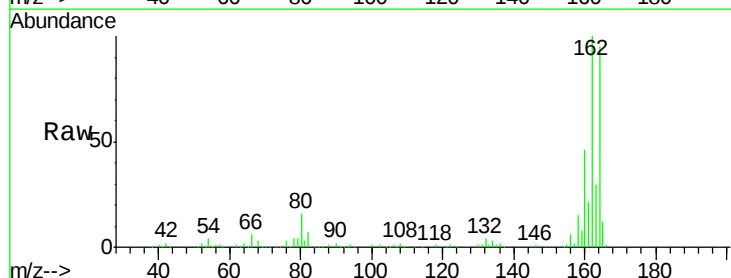
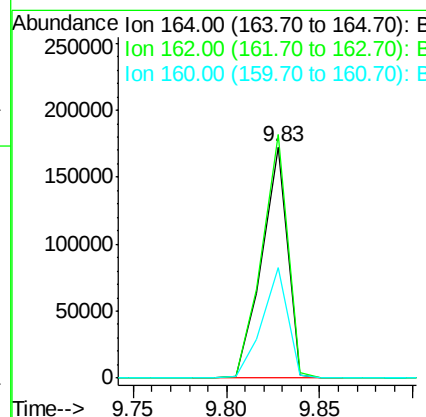
RT: 9.83 min Scan# 721

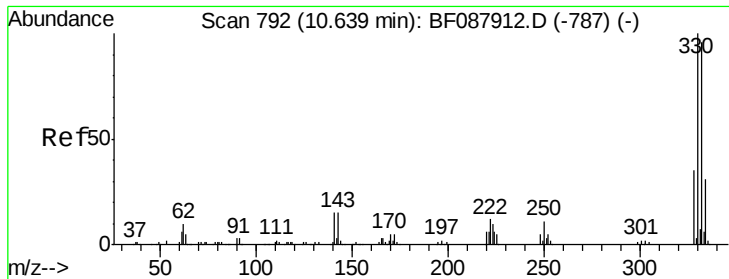
Delta R.T. -0.00 min

Lab File: BF088019.D

Acq: 15 Jun 2016 1:21

Tgt Ion	164	Resp	164542
Ion Ratio	Lower	Upper	
164	100		
162	105.2	85.4	128.2
160	47.9	39.5	59.3





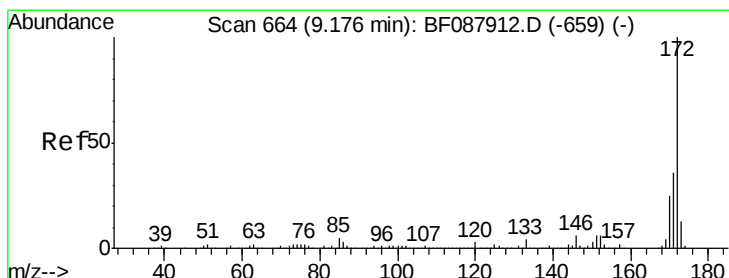
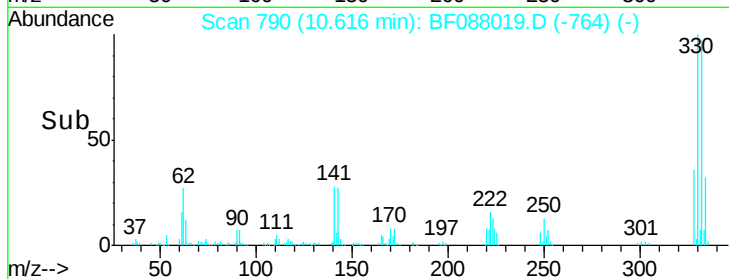
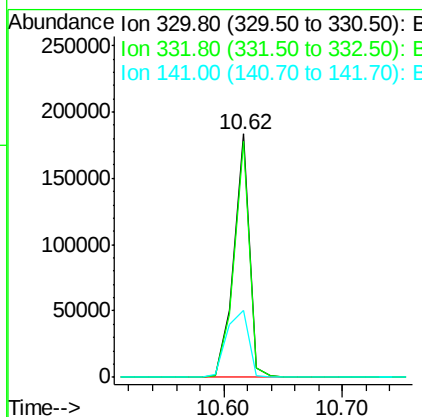
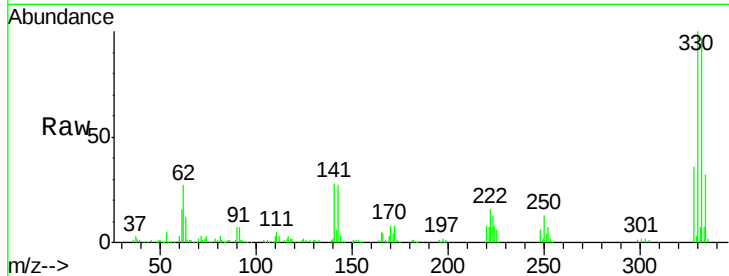
#41
 2,4,6-Tribromophenol
 Concen: 96.92 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF088019.D
 Acq: 15 Jun 2016 1:21

Instrument :
 BNA_F
 ClientSampleId :
 STA-1100-(0-4)

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.7	0.0	0.0#
141	38.9	0.0	0.0#

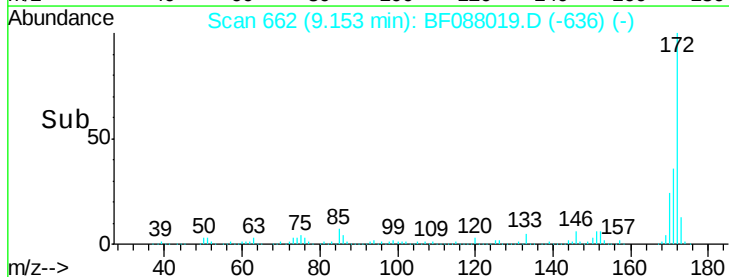
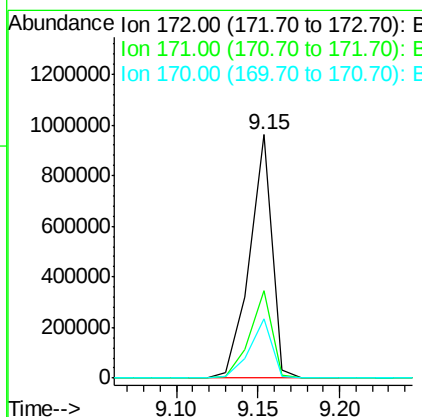
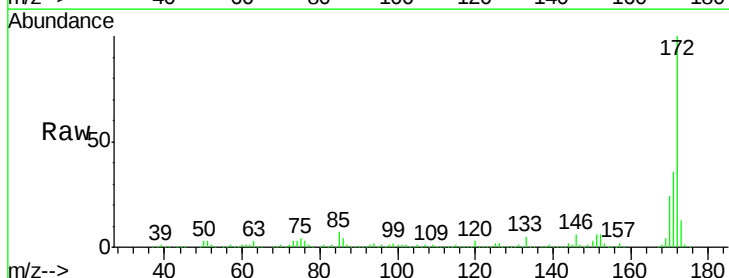
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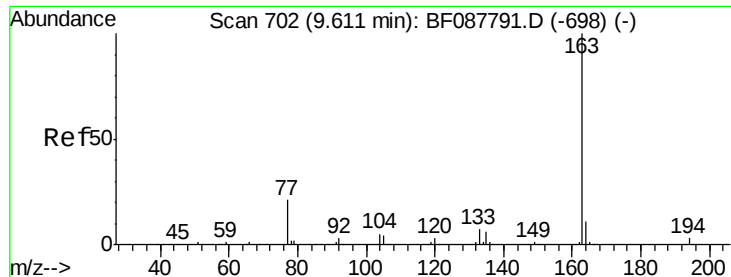
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#44
 2-Fluorobiphenyl
 Concen: 87.77 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.00 min
 Lab File: BF088019.D
 Acq: 15 Jun 2016 1:21

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.4	19.2	28.8





#49

Dimethylphthalate

Concen: 17.70 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.02 min

Lab File: BF088019.D

Acq: 15 Jun 2016 1:21

Instrument :

BNA_F

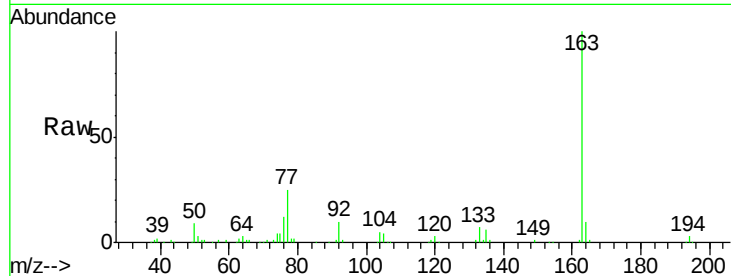
ClientSampled :

STA-1100-(0-4)

Tot Ion:	163	Resp:	211016
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.8	4.2
164	10.5	8.3	12.5

Manual Integrations
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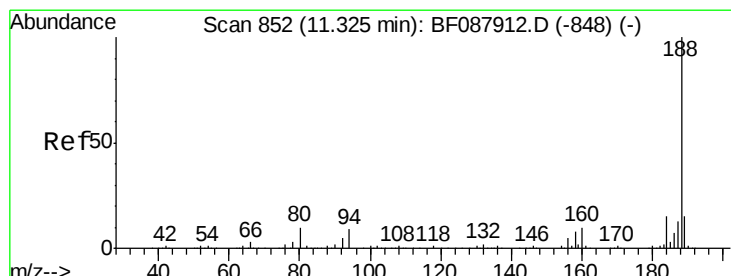
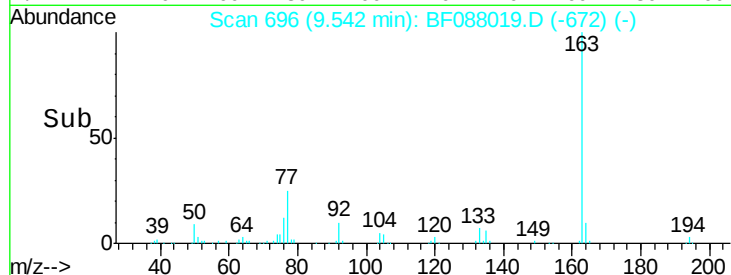
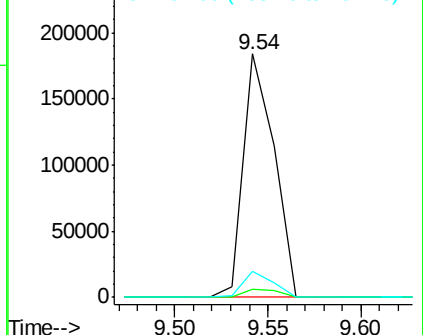
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

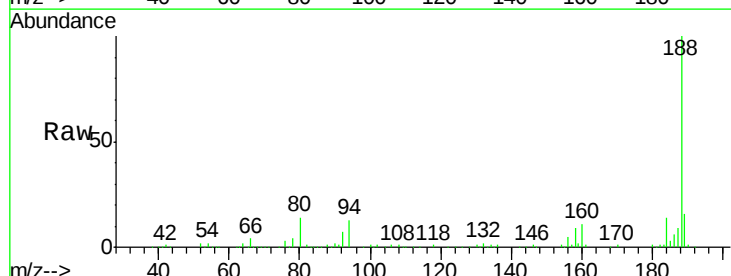
RT: 11.30 min Scan# 850

Delta R.T. -0.00 min

Lab File: BF088019.D

Acq: 15 Jun 2016 1:21

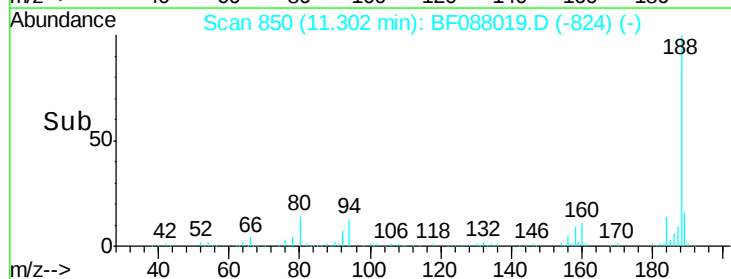
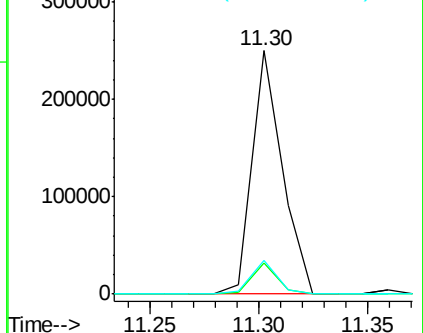
Tgt Ion:	188	Resp:	241426
Ion Ratio	Lower	Upper	
188	100		
94	12.9	9.0	13.6
80	13.8	10.0	15.0

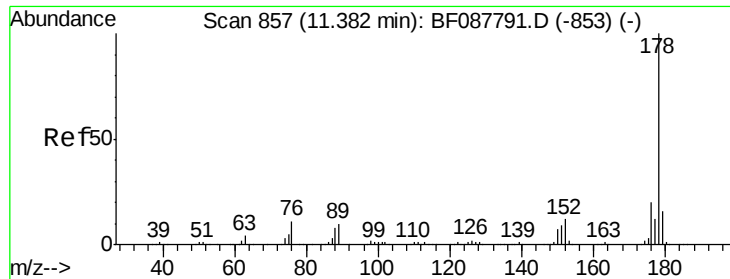


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





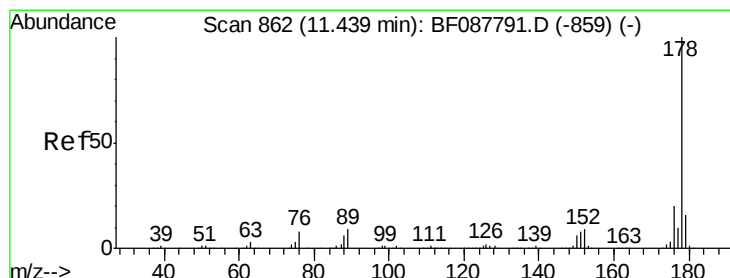
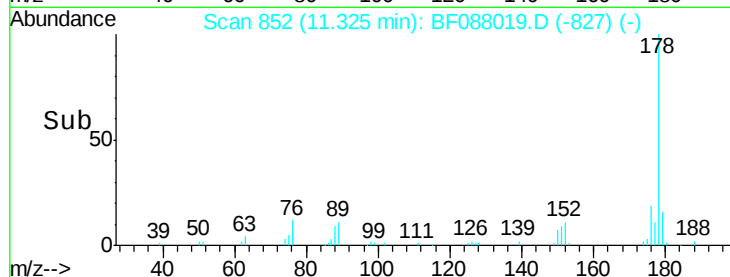
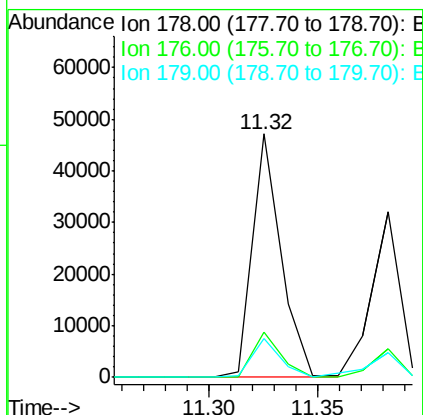
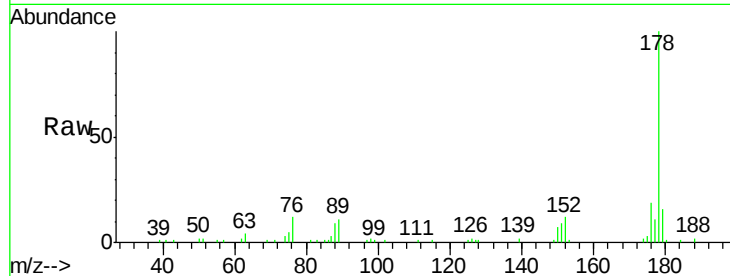
#70
Phenanthrene
Concen: 3.42 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF088019.D
Acq: 15 Jun 2016 1:21

Instrument :
BNA_F
ClientSampleId :
STA-1100-(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	16.0	13.0	19.4

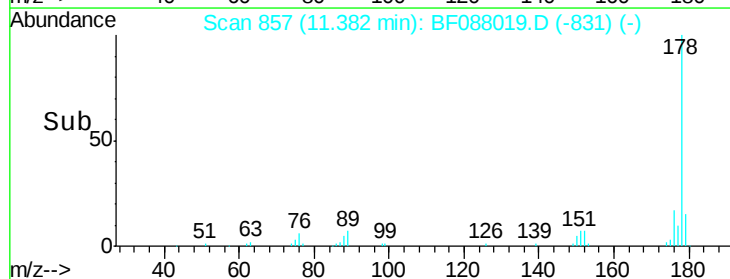
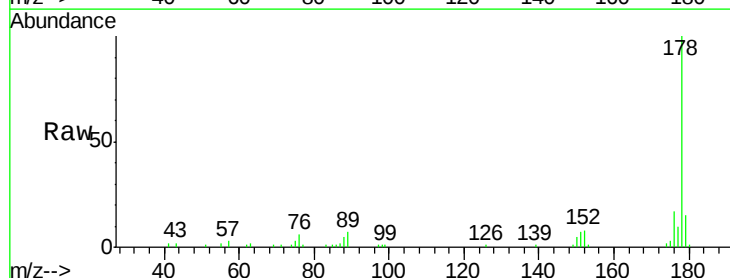
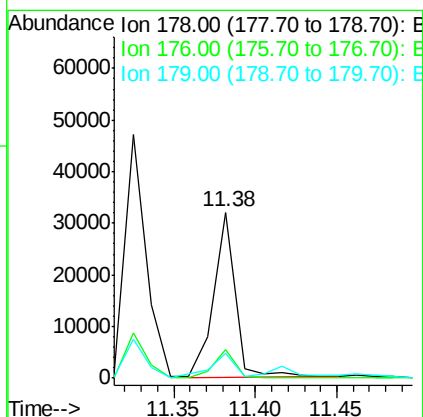
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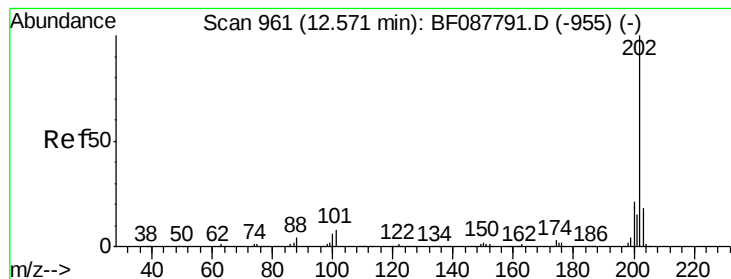
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#71
Anthracene
Concen: 2.32 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF088019.D
Acq: 15 Jun 2016 1:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.6	23.4
179	15.1	12.8	19.2





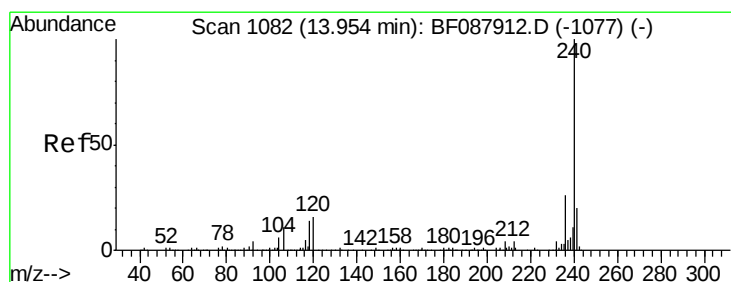
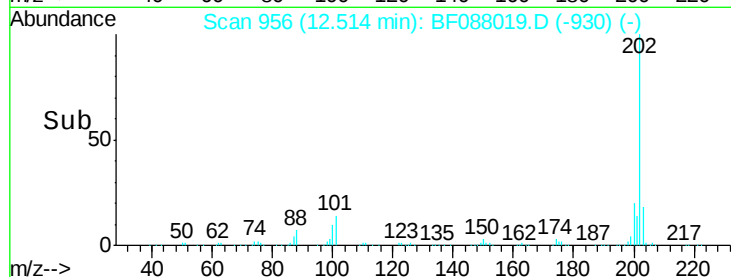
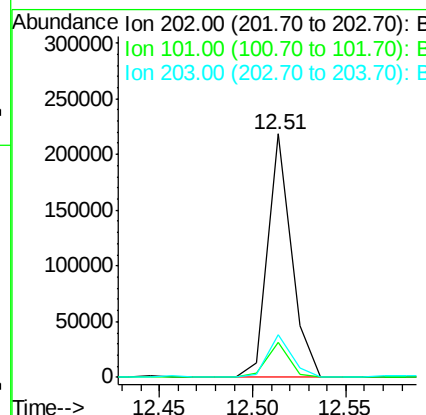
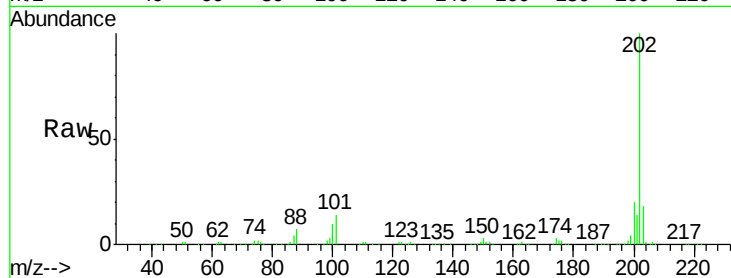
#74
Fluoranthene
Concen: 14.28 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.00 min
Lab File: BF088019.D
Acq: 15 Jun 2016 1:21

Instrument :
BNA_F
ClientSampleId :
STA-1100-(0-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.3	0.0	33.1
203	17.6	0.0	38.1

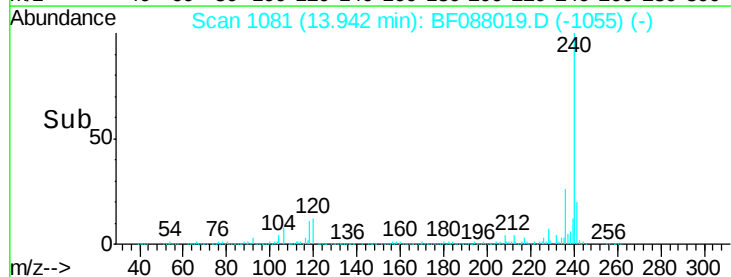
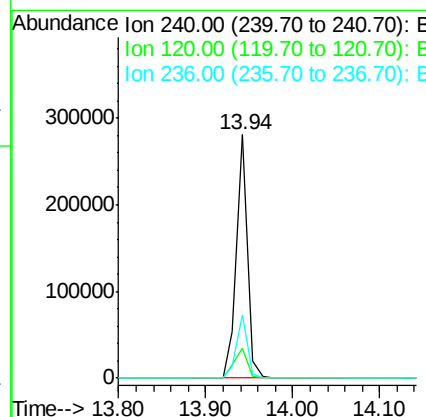
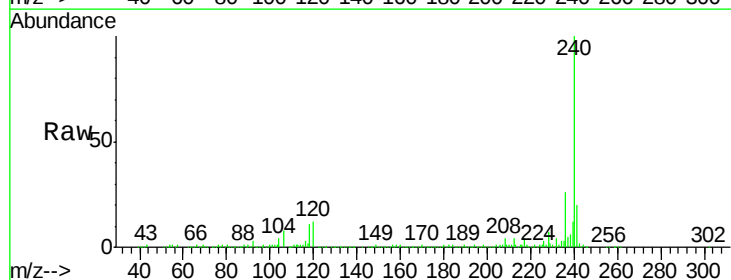
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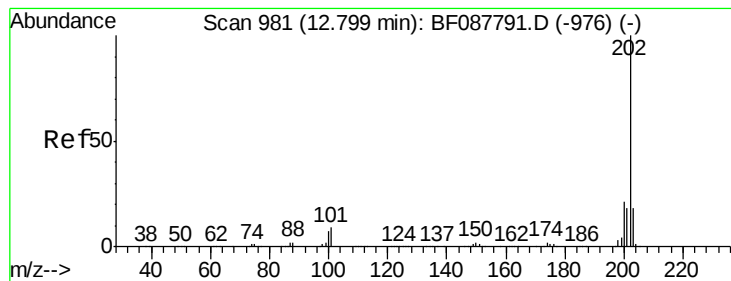
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BF088019.D
Acq: 15 Jun 2016 1:21

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.1	6.8	10.2#
236	25.7	20.2	30.2





#77

Pvrene

Concen: 10.15 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.00 min

Lab File: BF088019.D

Acq: 15 Jun 2016 1:21

Instrument :

BNA_F

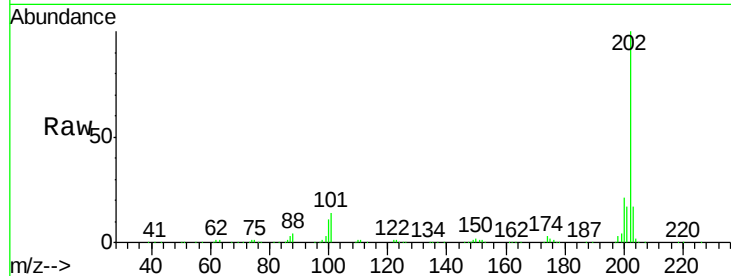
ClientSampleId :

STA-1100-(0-4)

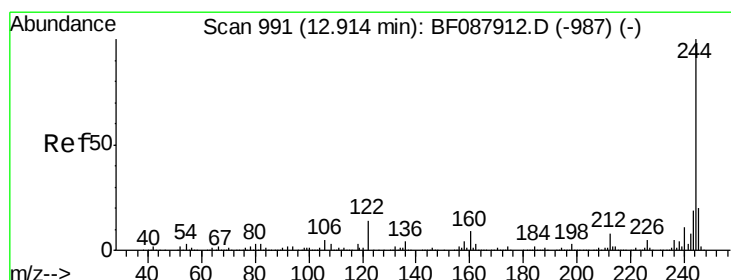
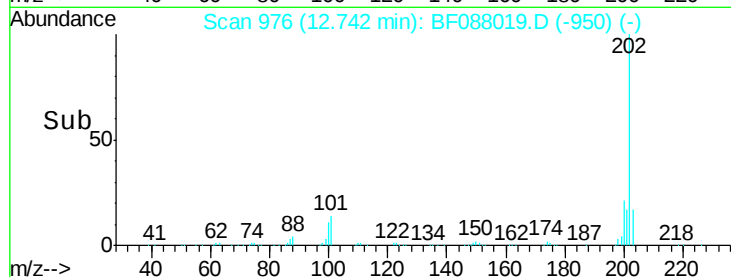
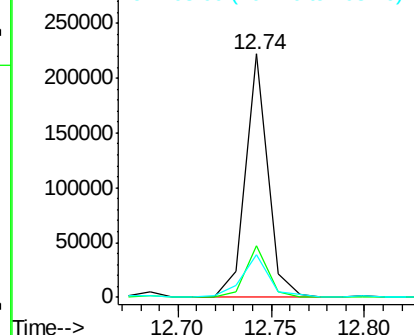
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.3	14.5	21.7

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 61.09 ng

RT: 12.89 min Scan# 989

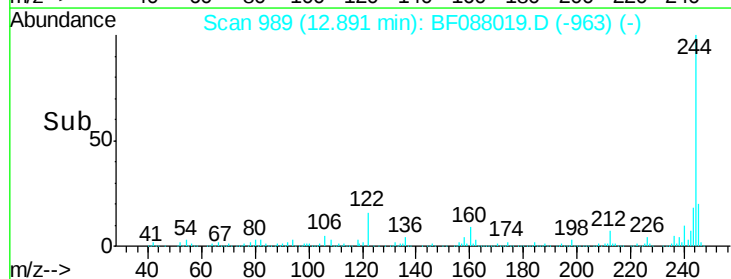
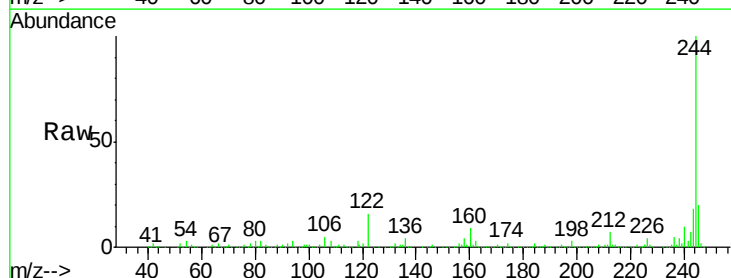
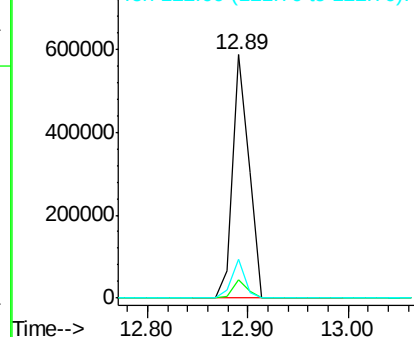
Delta R.T. -0.00 min

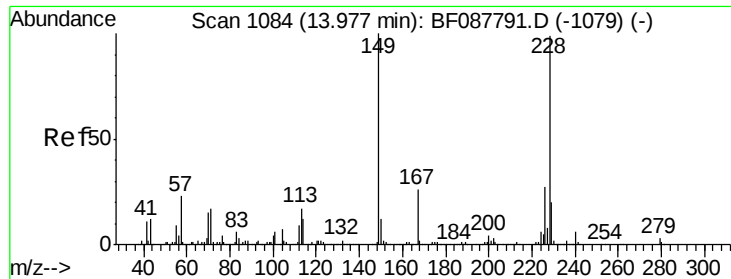
Lab File: BF088019.D

Acq: 15 Jun 2016 1:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	16.0	11.2	16.8

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





#80

Benzo(a)anthracene

Concen: 7.70 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BF088019.D

Acq: 15 Jun 2016 1:21

Instrument :

BNA_F

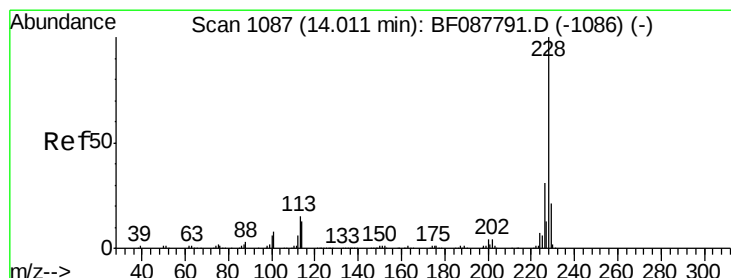
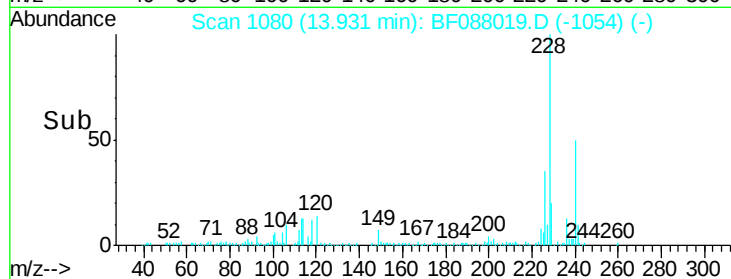
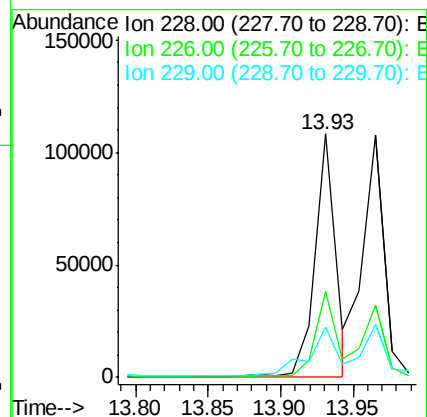
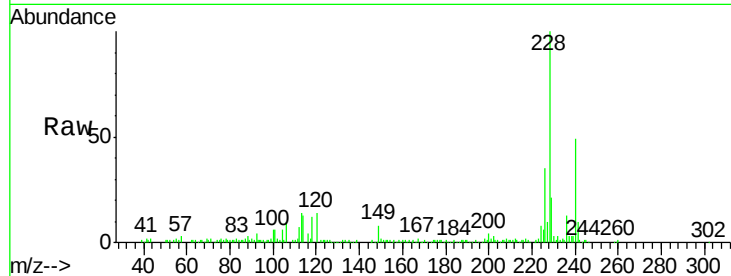
ClientSampleId :

STA-1100-(0-4)

Tot Ion:	228	Resp:	108058
Ion Ratio	Lower	Upper	
228	100		
226	35.4	22.3	33.5#
229	20.7	16.0	24.0

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#82

Chrysene

Concen: 8.37 ng m

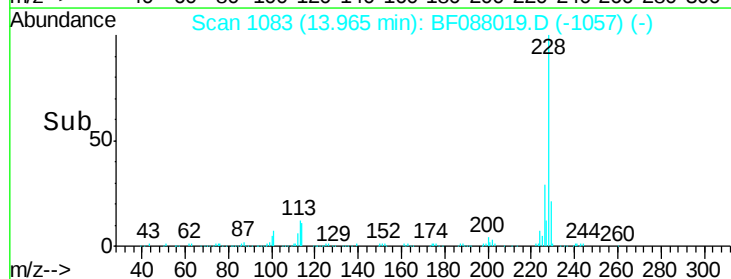
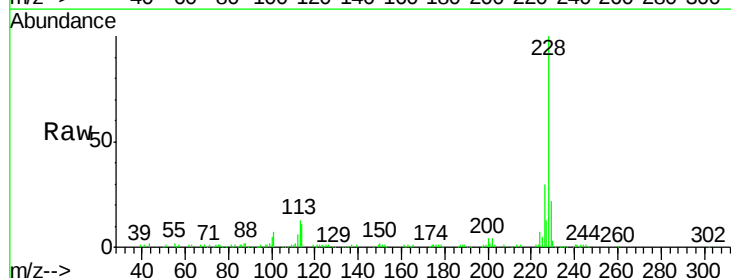
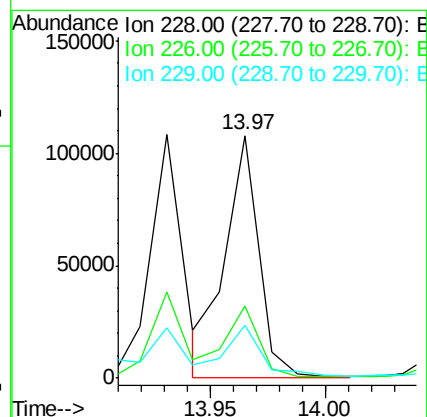
RT: 13.97 min Scan# 1083

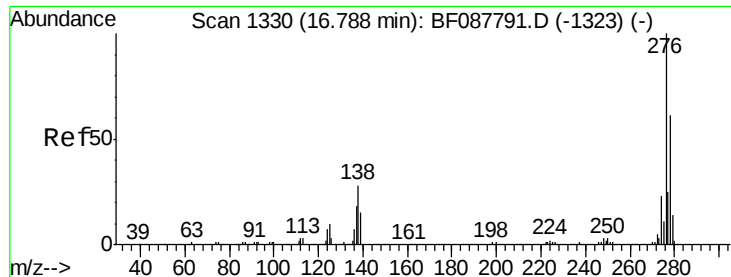
Delta R.T. -0.00 min

Lab File: BF088019.D

Acq: 15 Jun 2016 1:21

Tgt Ion:	228	Resp:	110547
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.4	38.2
229	21.9	16.3	24.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.07 ng

RT: 16.70 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BF088019.D

Acq: 15 Jun 2016 1:21

Instrument :

BNA_F

ClientSampleId :

STA-1100-(0-4)

Tot Ion:276 Resp: 37727

Ion Ratio Lower Upper

276 100

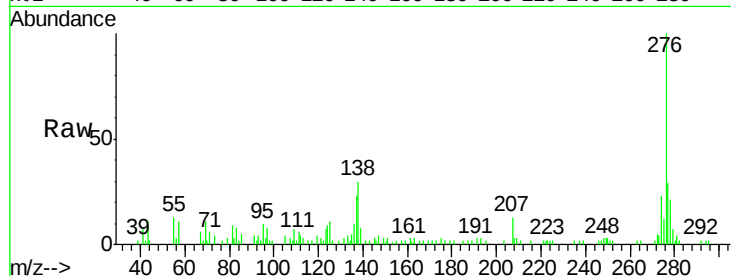
138 28.4 0.0 0.0#

277 26.0 0.0 0.0#

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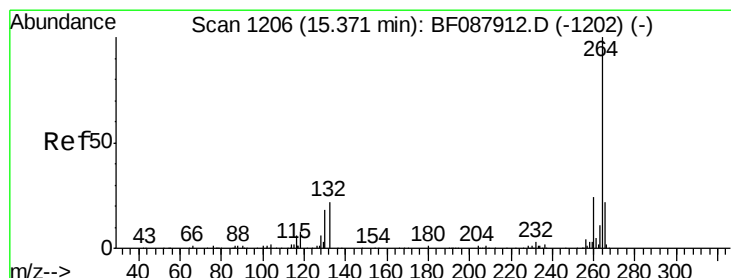
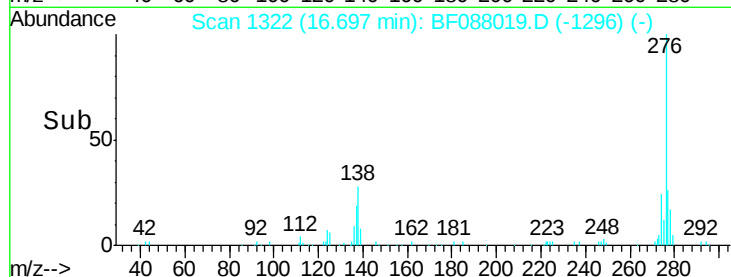
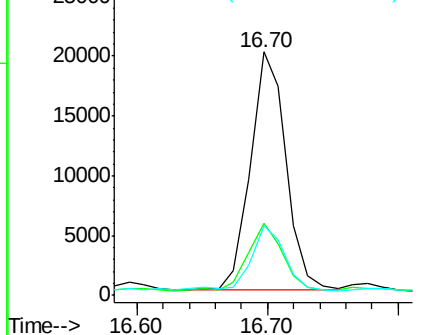
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BF088019.D

Acq: 15 Jun 2016 1:21

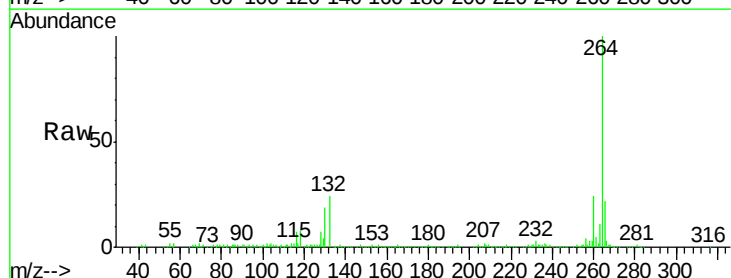
Tgt Ion:264 Resp: 192654

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

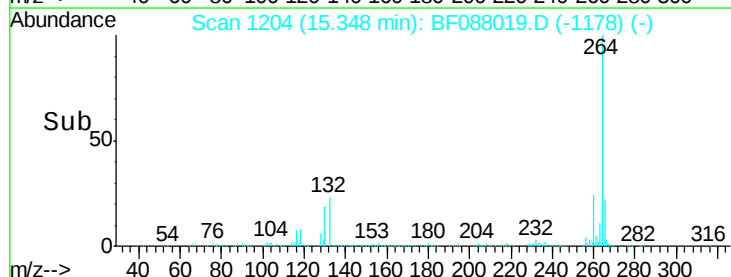
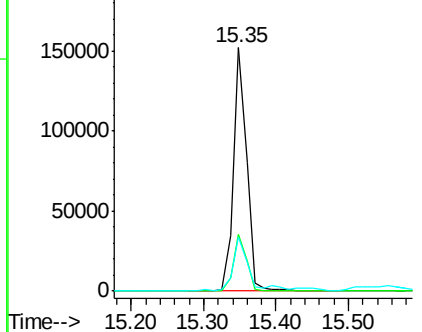
265 22.1 16.9 25.3

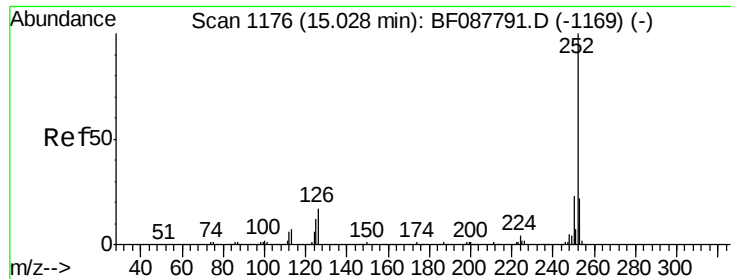


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.68 ng m

RT: 14.95 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BF088019.D

Acq: 15 Jun 2016 1:21

Instrument :

BNA_F

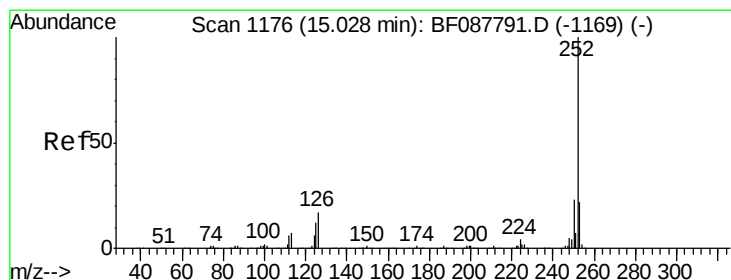
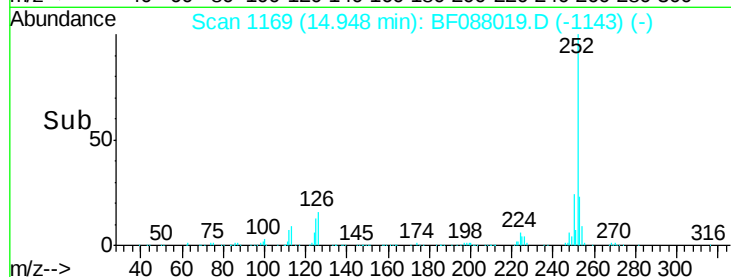
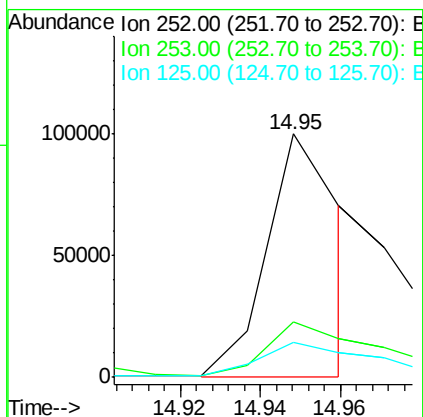
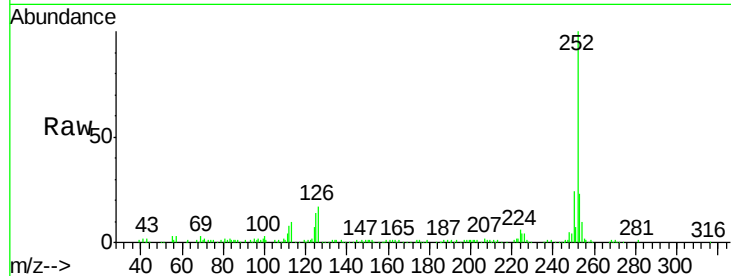
ClientSampleId :

STA-1100-(0-4)

Tot Ion:	252	Resp:	129989
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.2
125	14.2	7.1	10.7#

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#88

Benzo(k)fluoranthene

Concen: 5.61 ng m

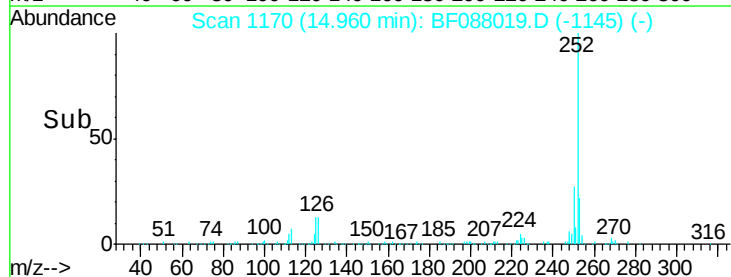
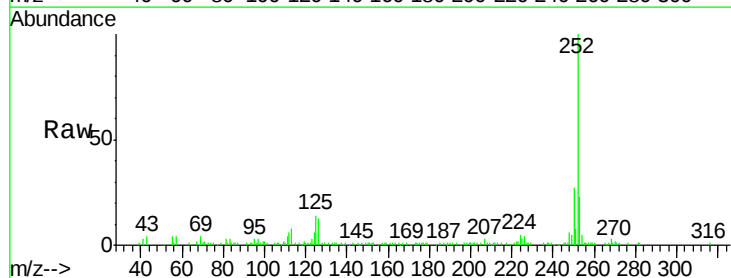
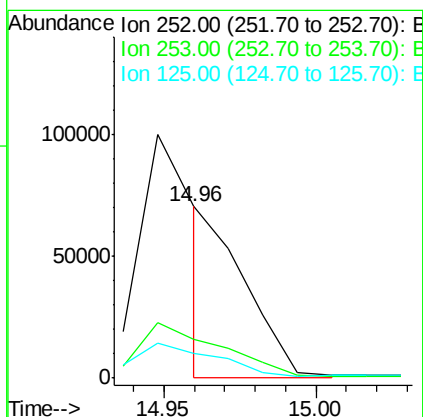
RT: 14.96 min Scan# 1170

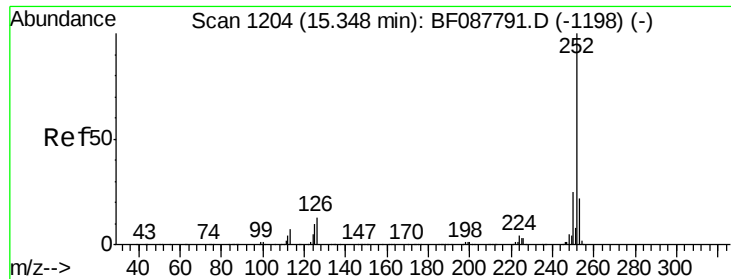
Delta R.T. -0.01 min

Lab File: BF088019.D

Acq: 15 Jun 2016 1:21

Tgt Ion:	252	Resp:	56860
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.0	27.0
125	14.4	11.2	16.8





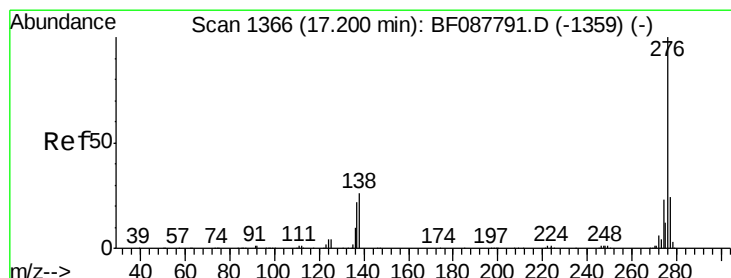
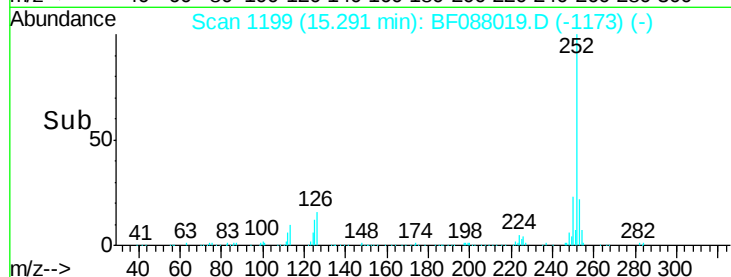
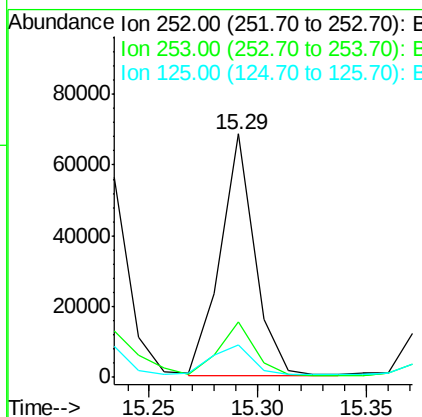
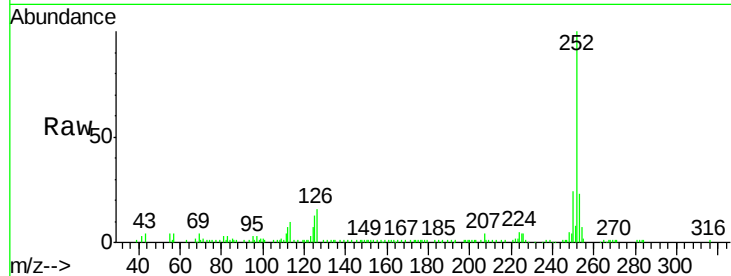
#89
Benzo(a)pyrene
Concen: 6.94 ng
RT: 15.29 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BF088019.D
Acq: 15 Jun 2016 1:21

Instrument :
BNA_F
ClientSampleId :
STA-1100-(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	13.1	12.5	18.7

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#91
Benzo(g,h,i)perylene
Concen: 3.23 ng
RT: 17.11 min Scan# 1358
Delta R.T. -0.00 min
Lab File: BF088019.D
Acq: 15 Jun 2016 1:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.9	28.3
138	27.5	21.4	32.2

