

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088416.D
 Acq On : 26 Jun 2016 14:08
 Operator : UM/SJ
 Sample : H3624-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1501(0-4)

Manual Integrations
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Quant Time: Jun 27 17:19:18 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	78236	20.00	ng	-0.06
21) Naphthalene-d8	7.83	136	314355	20.00	ng	-0.07
38) Acenaphthene-d10	9.58	164	154414	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	283765	20.00	ng	-0.07
75) Chrysene-d12	13.68	240	236077	20.00	ng	-0.07
86) Perylene-d12	15.03	264	193780	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	598979	130.88	ng	-0.05
7) Phenol-d6	6.22	99	727346	131.14	ng	-0.05
23) Nitrobenzene-d5	7.12	82	449415	83.48	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	163011	99.98	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	734398	74.00	ng	-0.06
78) Terphenyl-d14	12.63	244	427158	41.17	ng	-0.07
Target Compounds						Qvalue
49) Dimethylphthalate	9.31	163	150385	13.44	ng	100
70) Phenanthrene	11.07	178	151865	10.20	ng	99
71) Anthracene	11.13	178	58154	3.87	ng	97
74) Fluoranthene	12.26	202	379542	24.15	ng	95
77) Pyrene	12.48	202	329244	18.79	ng	99
80) Benzo(a)anthracene	13.67	228	165906	12.33	ng	99
82) Chrysene	13.70	228	124439	9.83	ng	97
85) Indeno(1,2,3-cd)pyrene	16.26	276	42423	3.61	ng	# 100
87) Benzo(b)fluoranthene	14.67	252	121233m	8.98	ng	
88) Benzo(k)fluoranthene	14.69	252	51790m	5.08	ng	
89) Benzo(a)pyrene	14.98	252	85720m	7.84	ng	
91) Benzo(a,h,i)perylene	16.63	276	35209	3.37	ng	97

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

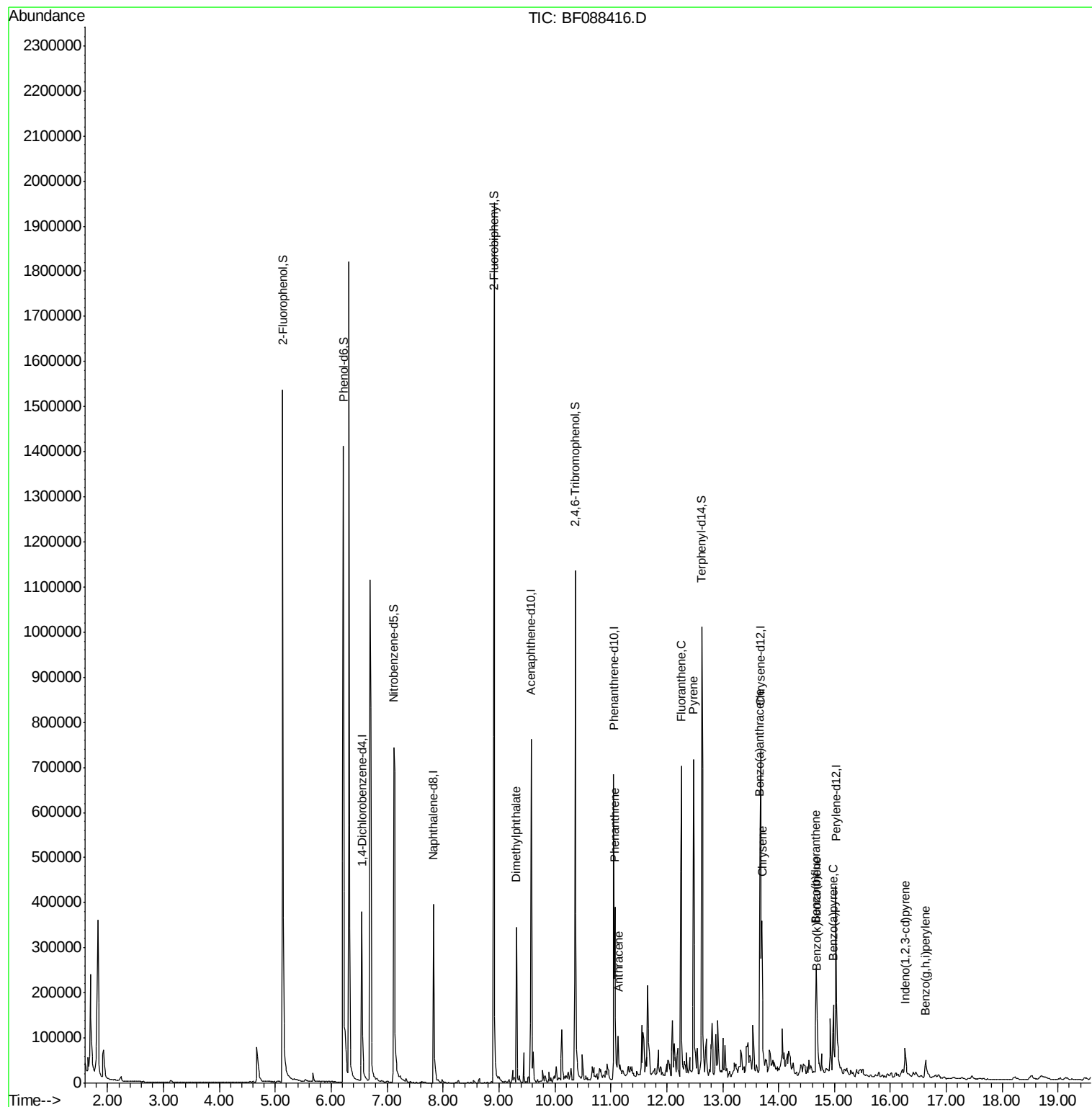
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
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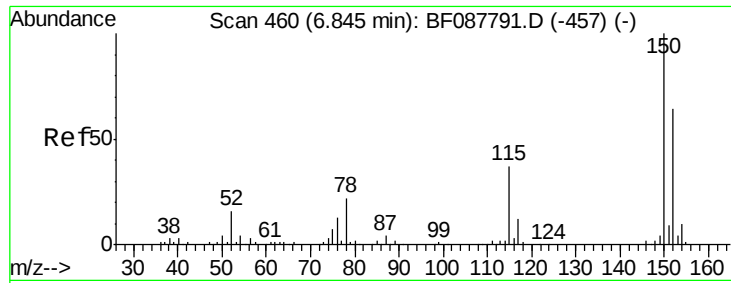
Instrument :
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SC-STA-1501(0-4)

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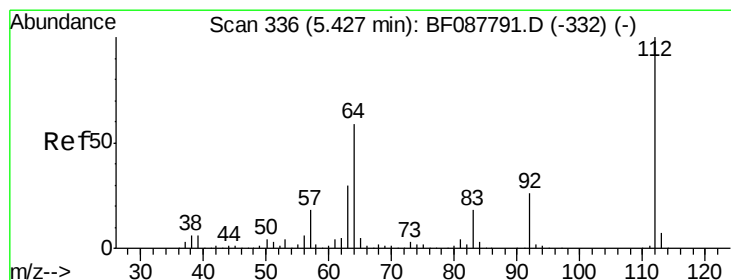
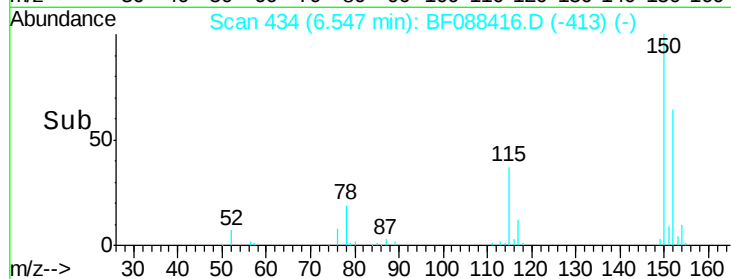
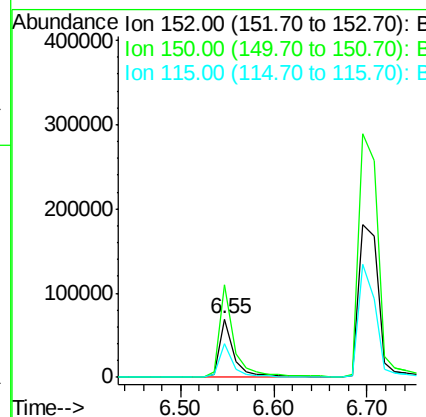
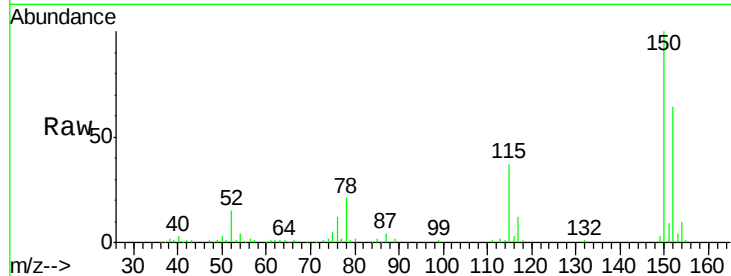
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.55 min Scan# 434
 Delta R.T. -0.06 min
 Lab File: BF088416.D
 Acq: 26 Jun 2016 14:08

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1501(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	123.8	185.6
115	58.2	39.6	59.4

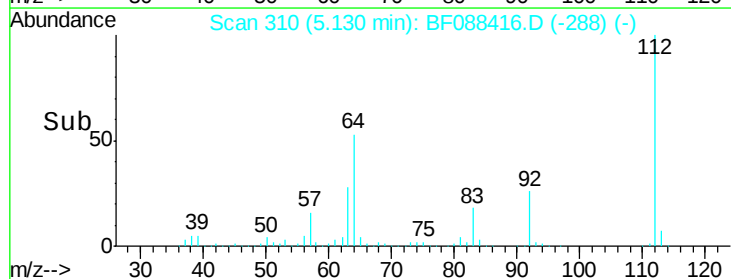
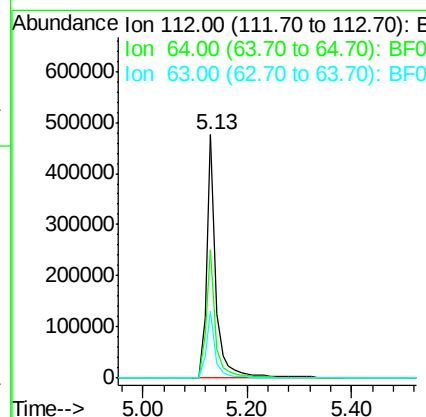
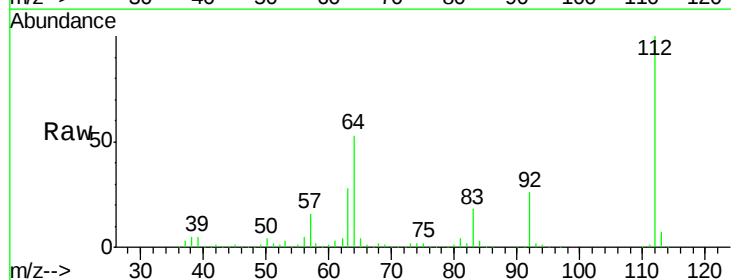
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#5
 2-Fluorophenol
 Concen: 130.88 ng
 RT: 5.13 min Scan# 310
 Delta R.T. -0.05 min
 Lab File: BF088416.D
 Acq: 26 Jun 2016 14:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	42.2	63.2
63	27.7	21.8	32.8





#7

Phenol-d6

Concen: 131.14 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088416.D

Acq: 26 Jun 2016 14:08

Instrument :

BNA_F

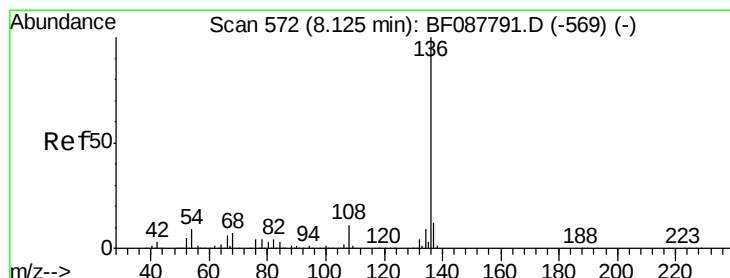
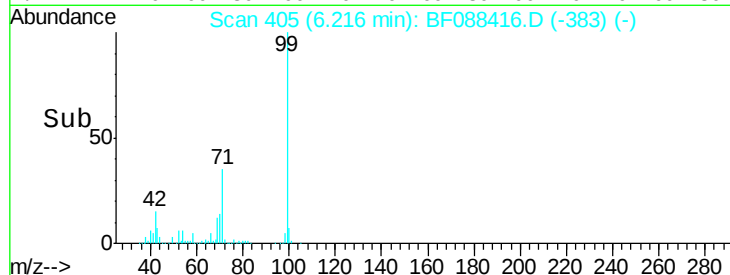
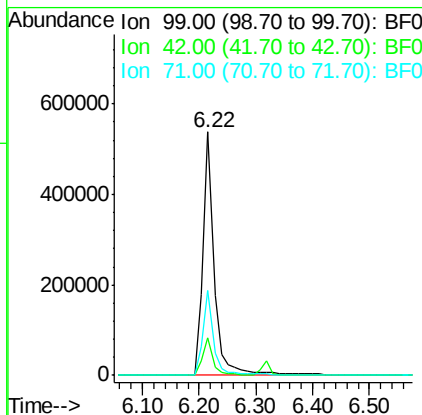
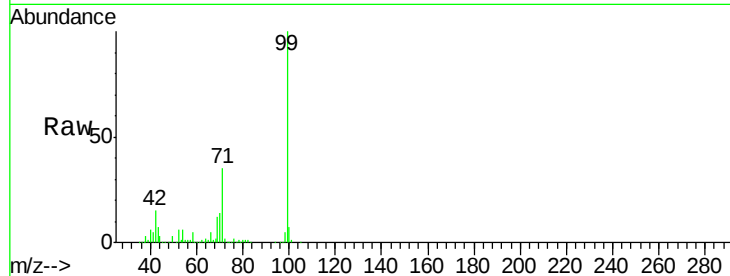
ClientSampleId :

SC-STA-1501(0-4)

Tot Ion:	99	Resp:	727346
Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.2	18.2
71	34.9	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

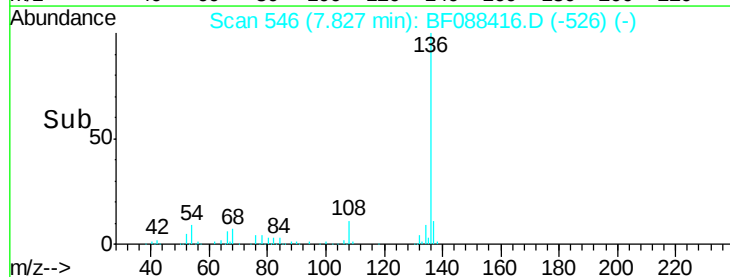
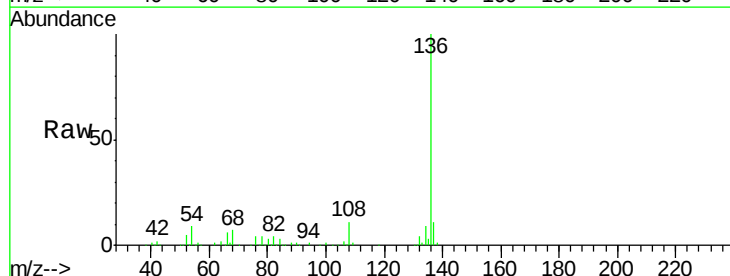
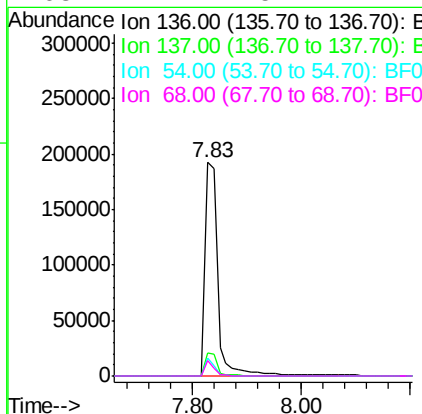
RT: 7.83 min Scan# 546

Delta R.T. -0.07 min

Lab File: BF088416.D

Acq: 26 Jun 2016 14:08

Tgt Ion:	136	Resp:	314355
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	8.7	6.6	10.0
68	7.1	5.1	7.7





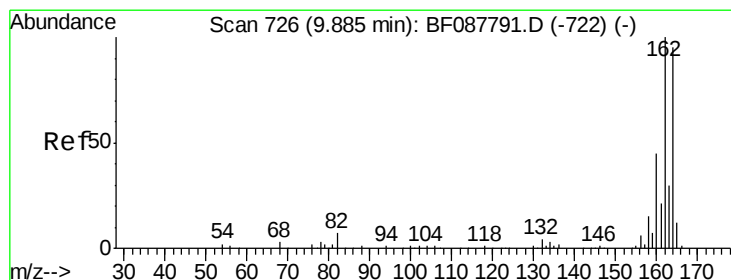
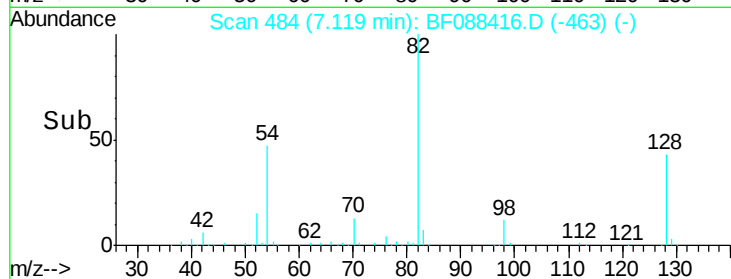
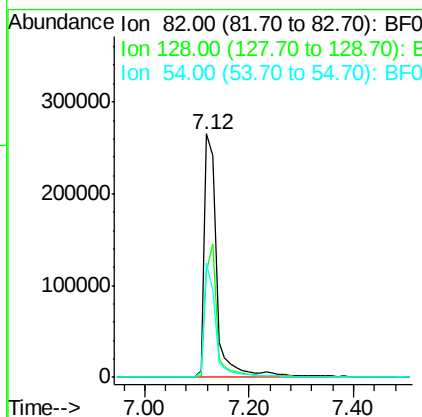
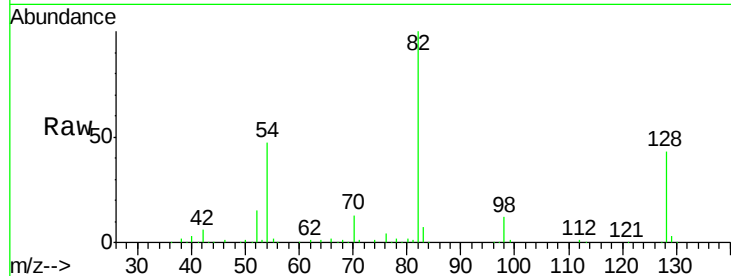
#23
 Nitrobenzene-d5
 Concen: 83.48 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.06 min
 Lab File: BF088416.D
 Acq: 26 Jun 2016 14:08

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1501(0-4)

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.5	35.9	53.9
54	47.1	40.9	61.3

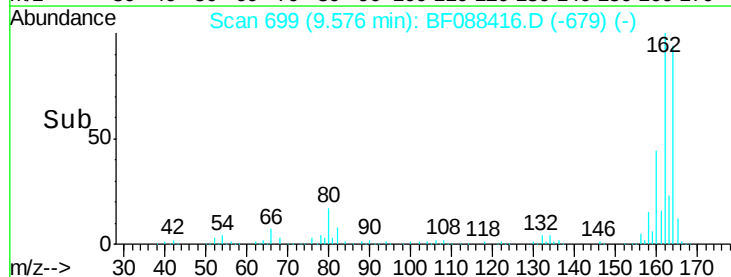
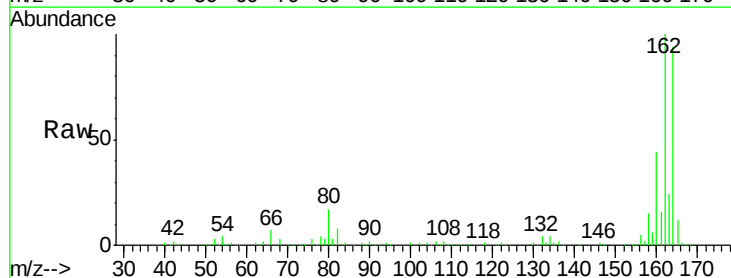
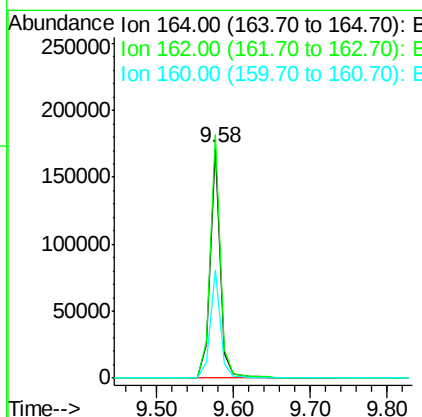
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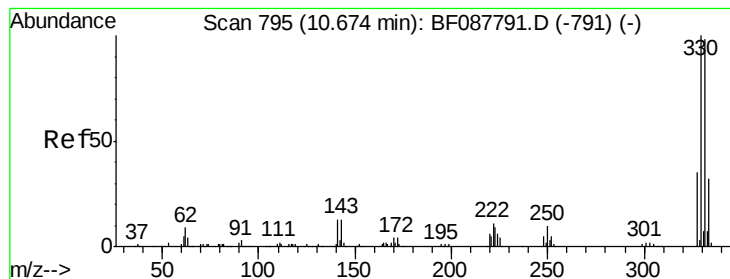
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.07 min
 Lab File: BF088416.D
 Acq: 26 Jun 2016 14:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	85.4	128.2
160	47.2	39.5	59.3





#41

2,4,6-Tribromophenol

Concen: 99.98 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.07 min

Lab File: BF088416.D

Acq: 26 Jun 2016 14:08

Instrument :

BNA_F

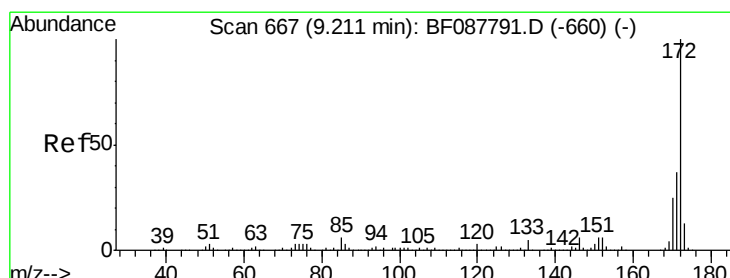
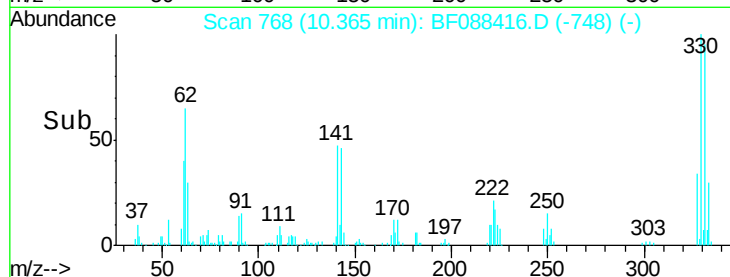
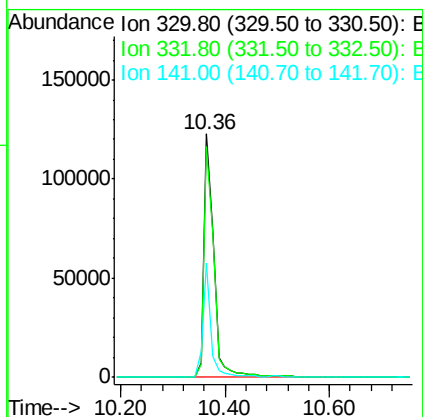
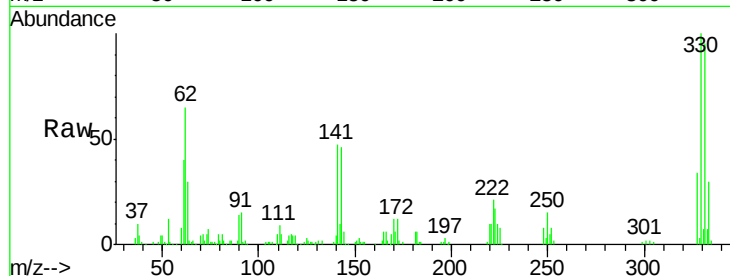
ClientSampleId :

SC-STA-1501(0-4)

Tot Ion:	330	Resp:	163011
Ion Ratio		Lower	Upper
330	100		
332	95.8	0.0	0.0#
141	38.5	0.0	0.0#

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#44

2-Fluorobiphenyl

Concen: 74.00 ng

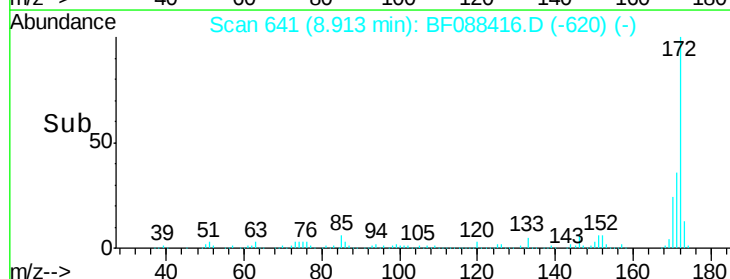
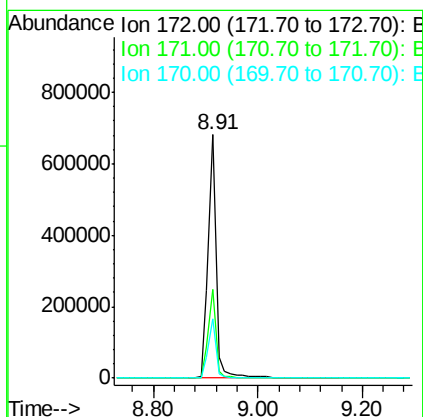
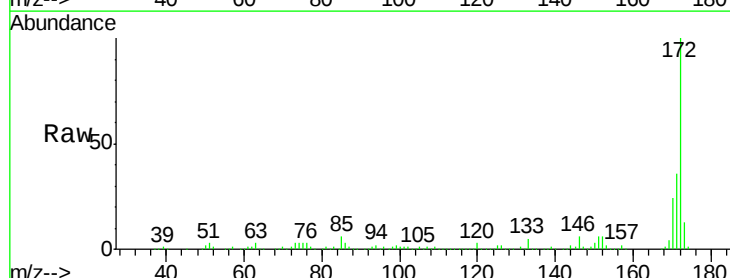
RT: 8.91 min Scan# 641

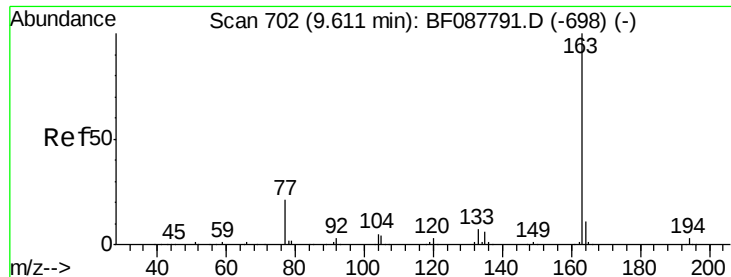
Delta R.T. -0.06 min

Lab File: BF088416.D

Acq: 26 Jun 2016 14:08

Tgt Ion:	172	Resp:	734398
Ion Ratio		Lower	Upper
172	100		
171	36.4	28.6	43.0
170	24.1	19.2	28.8





#49

Dimethylphthalate

Concen: 13.44 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.07 min

Lab File: BF088416.D

Acq: 26 Jun 2016 14:08

Instrument :

BNA_F

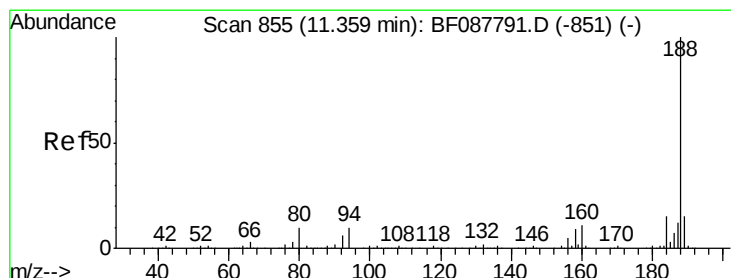
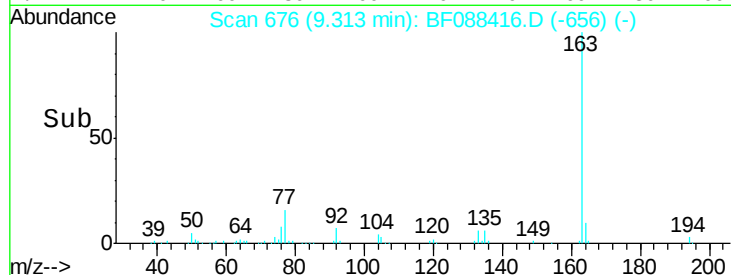
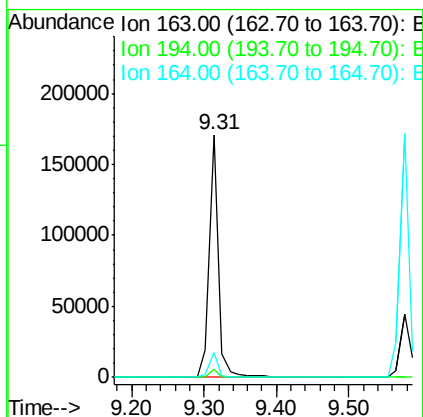
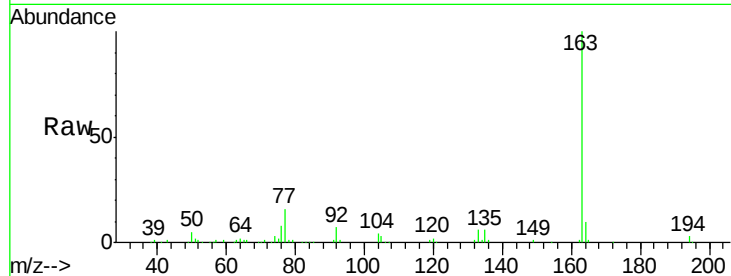
ClientSampleId :

SC-STA-1501(0-4)

Tot Ion:	163	Resp:	150385
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.8	4.2
164	10.2	8.3	12.5

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#63

Phenanthrene-d10

Concen: 20.00 ng

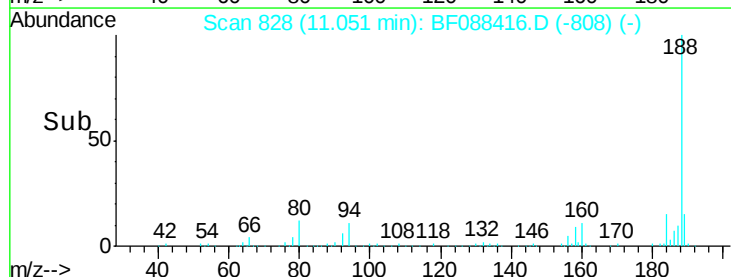
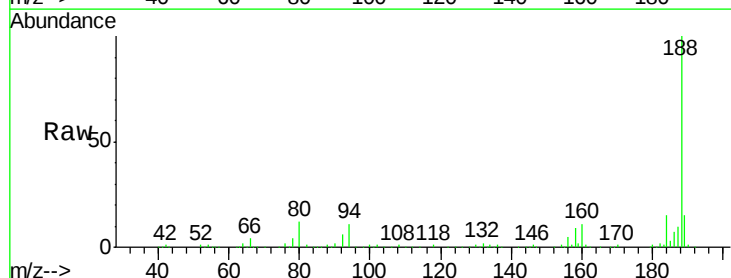
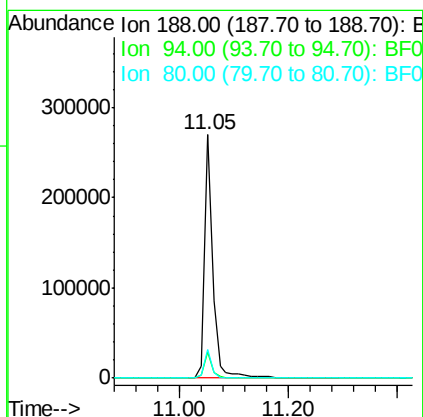
RT: 11.05 min Scan# 828

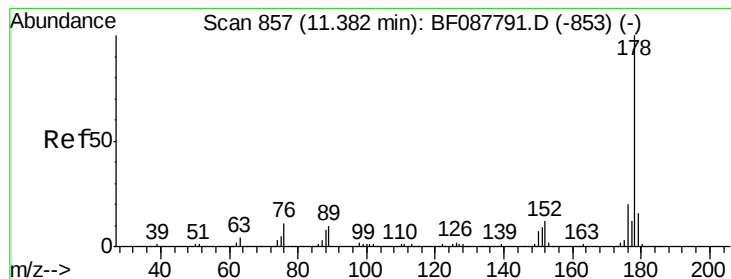
Delta R.T. -0.07 min

Lab File: BF088416.D

Acq: 26 Jun 2016 14:08

Tgt Ion:	188	Resp:	283765
Ion Ratio	Lower	Upper	
188	100		
94	10.7	9.0	13.6
80	11.5	10.0	15.0





#70

Phenanthrene

Concen: 10.20 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.07 min

Lab File: BF088416.D

Acq: 26 Jun 2016 14:08

Instrument :

BNA_F

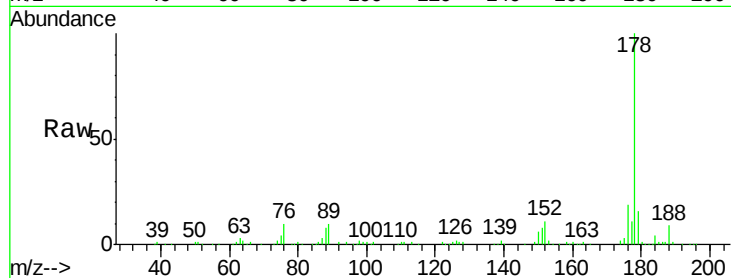
ClientSampleId :

SC-STA-1501(0-4)

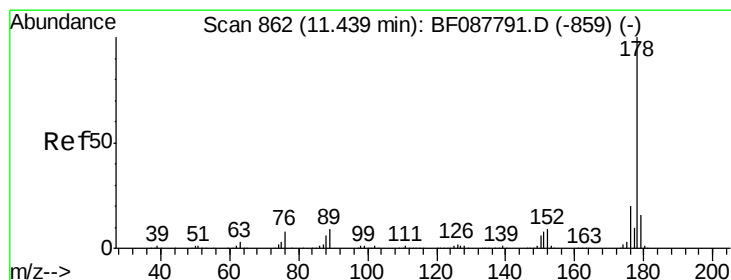
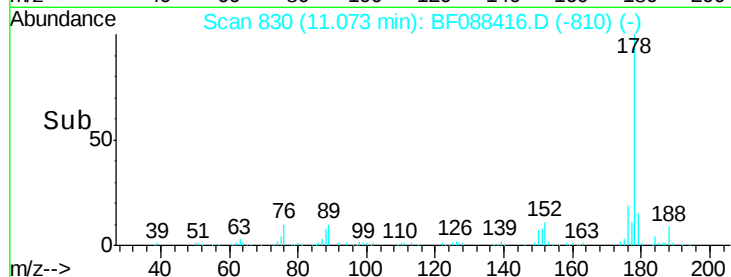
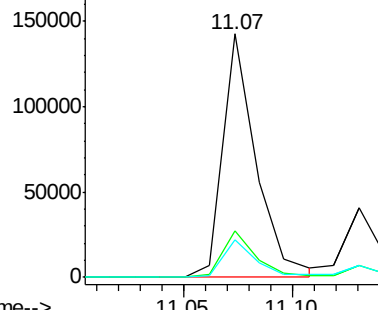
Tot Ion:178	Resp:	151865
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.8 23.6
179	15.5	13.0 19.4

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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



#71

Anthracene

Concen: 3.87 ng

RT: 11.13 min Scan# 835

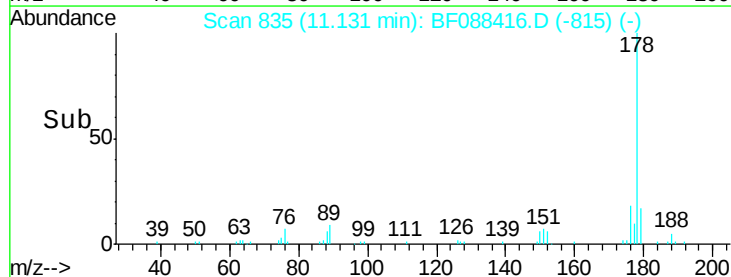
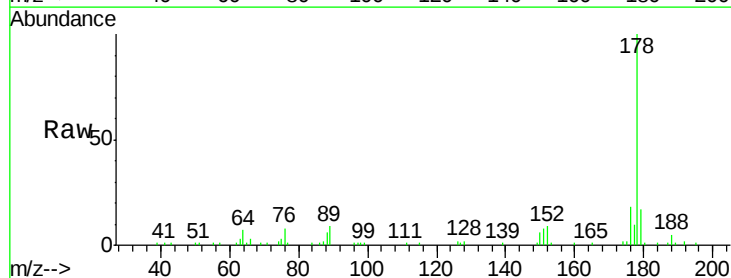
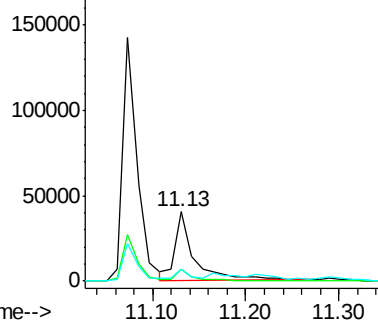
Delta R.T. -0.07 min

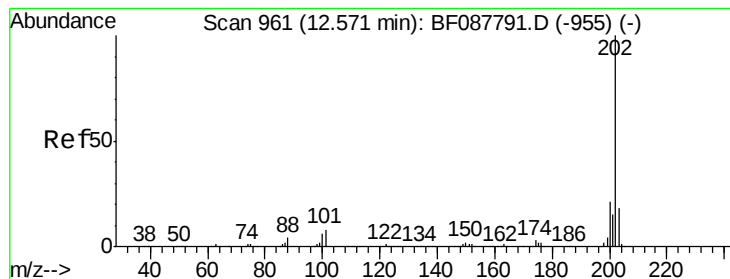
Lab File: BF088416.D

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Tgt Ion:178	Resp:	58154
Ion Ratio	Lower	Upper
178	100	
176	17.8	15.6 23.4
179	16.5	12.8 19.2

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





#74

Fluoranthene

Concen: 24.15 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.06 min

Lab File: BF088416.D

Acq: 26 Jun 2016 14:08

Instrument :

BNA_F

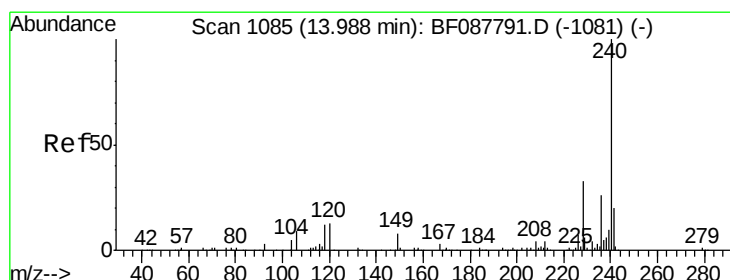
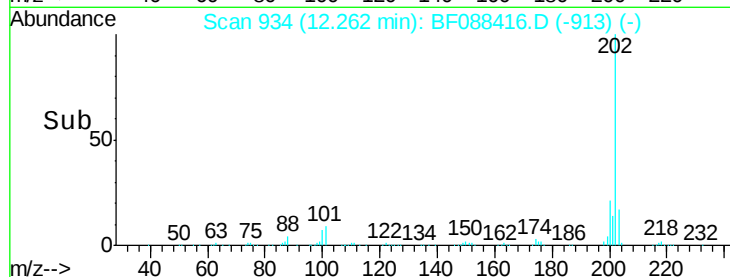
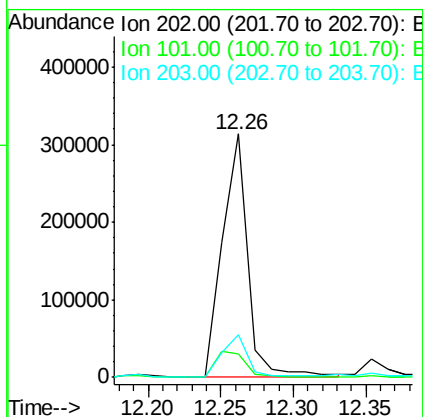
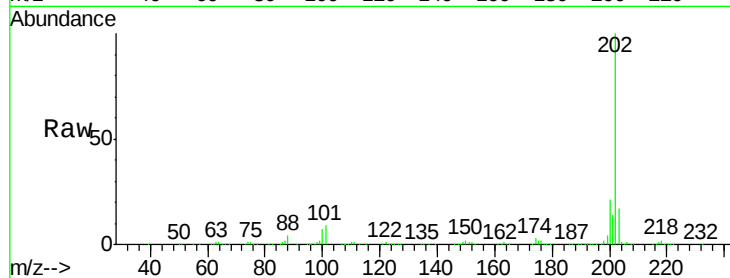
ClientSampleId :

SC-STA-1501(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	379542		
101	9.5	0.0	33.1	
203	17.4	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

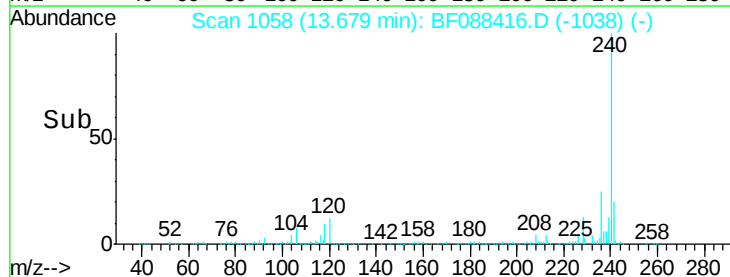
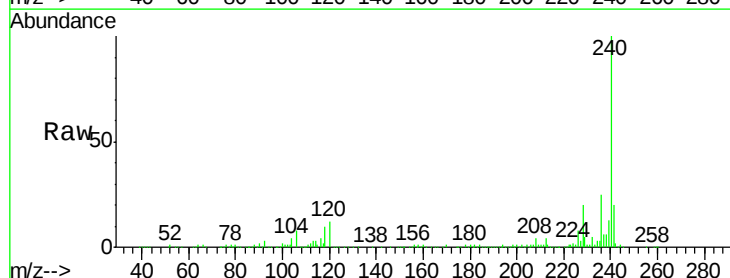
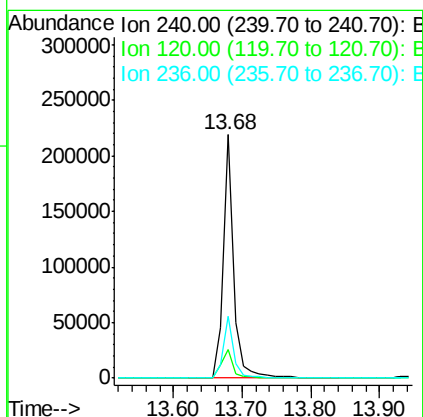
RT: 13.68 min Scan# 1058

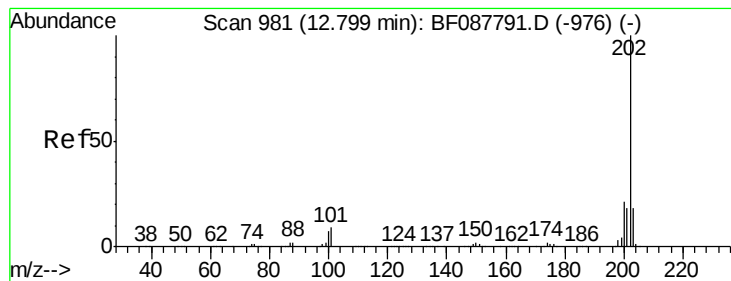
Delta R.T. -0.07 min

Lab File: BF088416.D

Acq: 26 Jun 2016 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	236077		
120	11.9	6.8	10.2#	
236	25.4	20.2	30.2	





#77

Pvrene

Concen: 18.79 ng

RT: 12.48 min Scan# 953

Delta R.T. -0.07 min

Lab File: BF088416.D

Acq: 26 Jun 2016 14:08

Instrument :

BNA_F

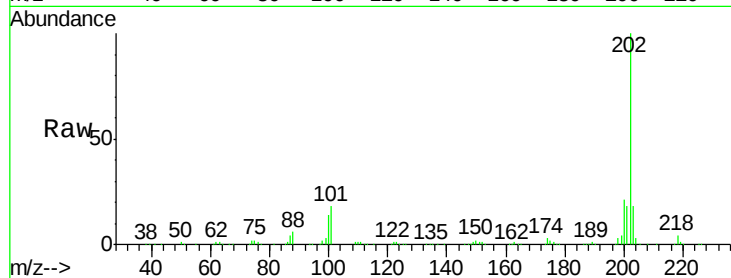
ClientSampleId :

SC-STA-1501(0-4)

Tot Ion:	202	Resp:	329244
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	18.5	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

12.48

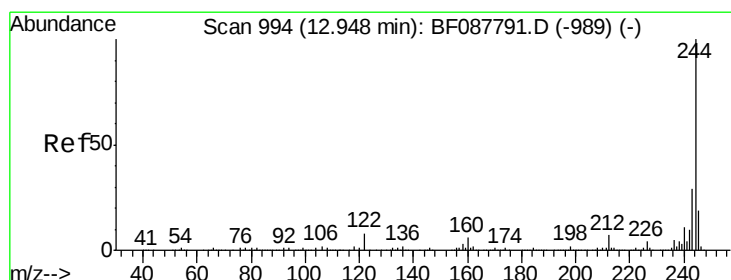
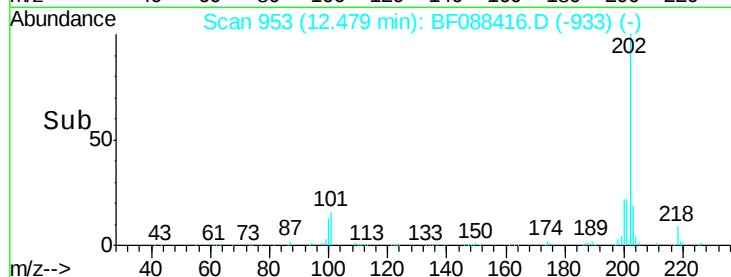
300000

200000

100000

0

Time-->



#78

Terphenyl-d14

Concen: 41.17 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.07 min

Lab File: BF088416.D

Acq: 26 Jun 2016 14:08

Tgt Ion:	244	Resp:	427158
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.0	9.0
122	17.3	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

12.63

400000

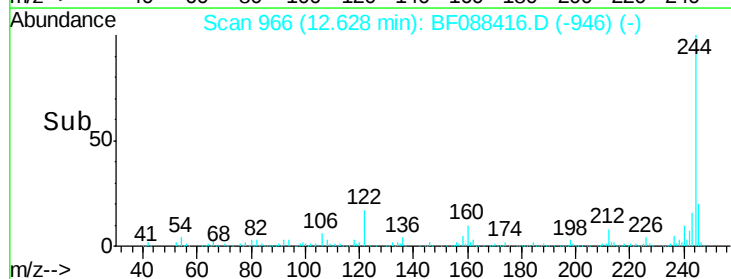
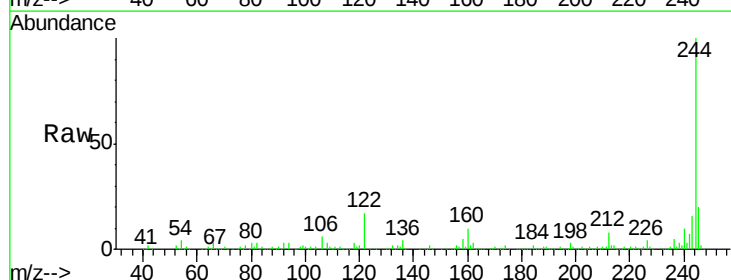
300000

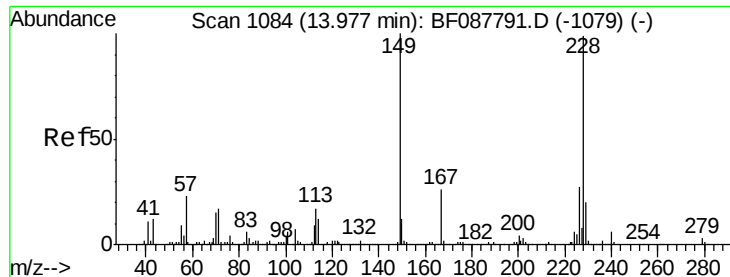
200000

100000

0

Time-->





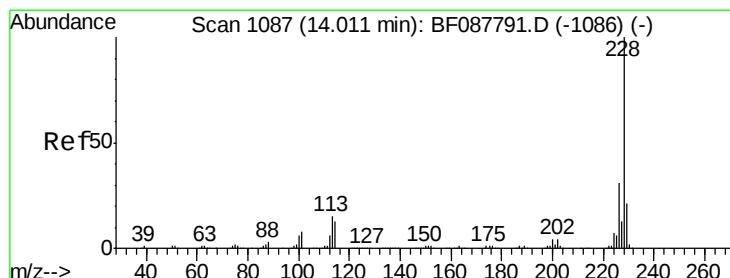
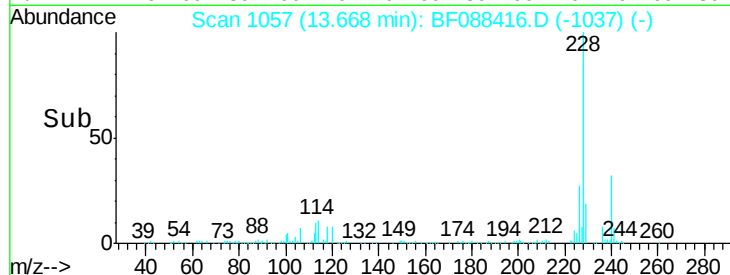
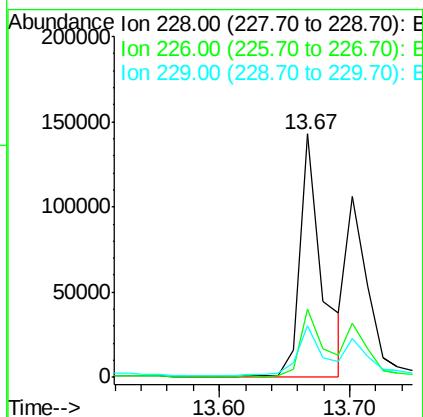
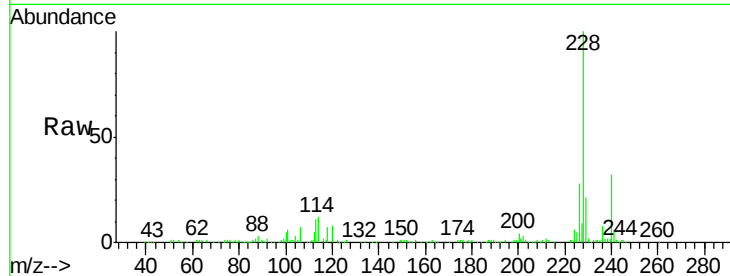
#80
Benzo(a)anthracene
Concen: 12.33 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.07 min
Lab File: BF088416.D
Acq: 26 Jun 2016 14:08

Instrument :
BNA_F
ClientSampleId :
SC-STA-1501(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.3	33.5
229	21.4	16.0	24.0

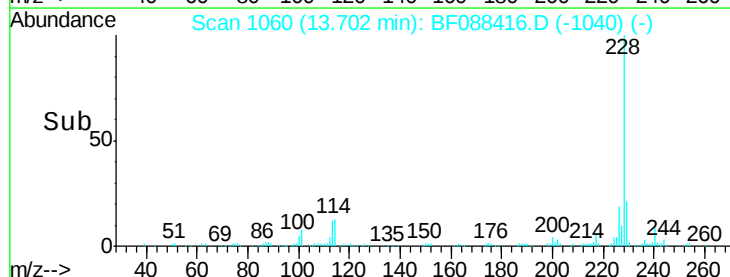
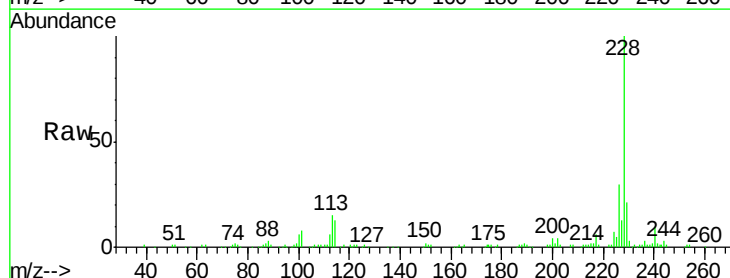
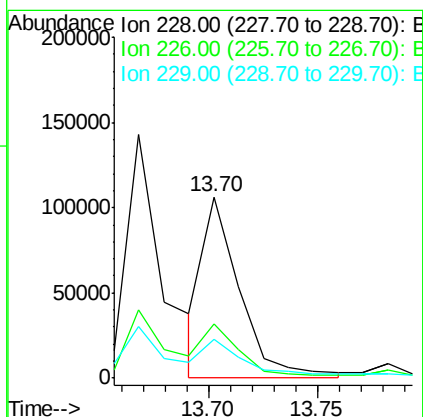
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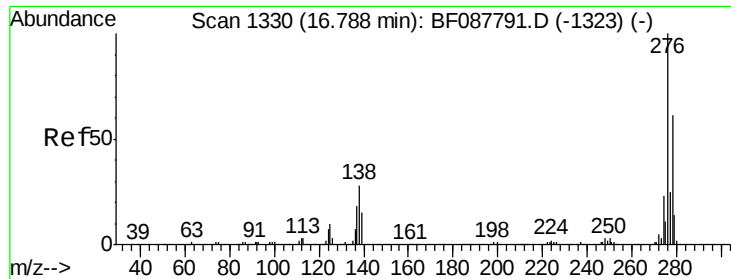
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#82
Chrysene
Concen: 9.83 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.07 min
Lab File: BF088416.D
Acq: 26 Jun 2016 14:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.4	38.2
229	21.3	16.3	24.5





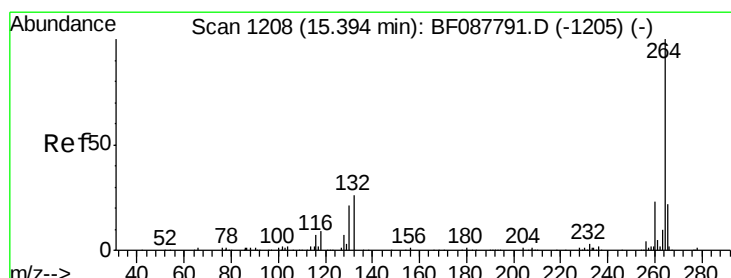
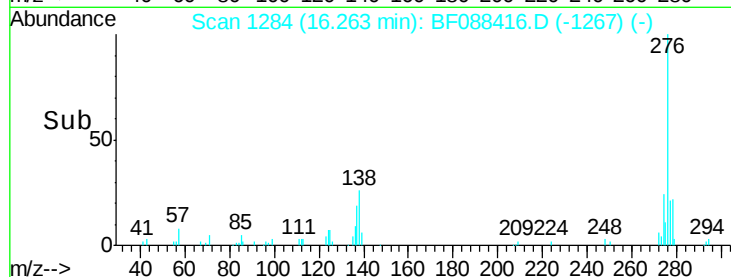
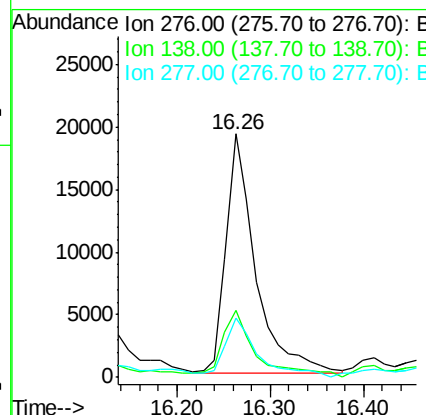
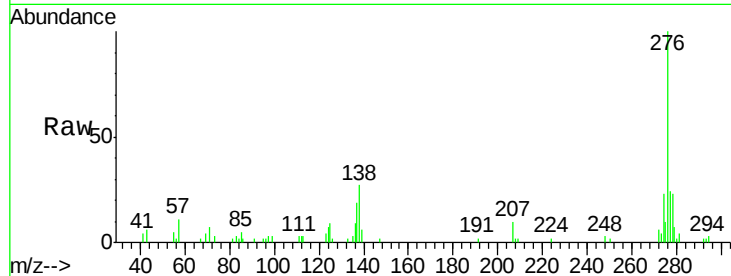
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.61 ng
RT: 16.26 min Scan# 1284
Delta R.T. -0.10 min
Lab File: BF088416.D
Acq: 26 Jun 2016 14:08

Instrument :
BNA_F
ClientSampleId :
SC-STA-1501(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.1	0.0	0.0#
277	28.2	0.0	0.0#

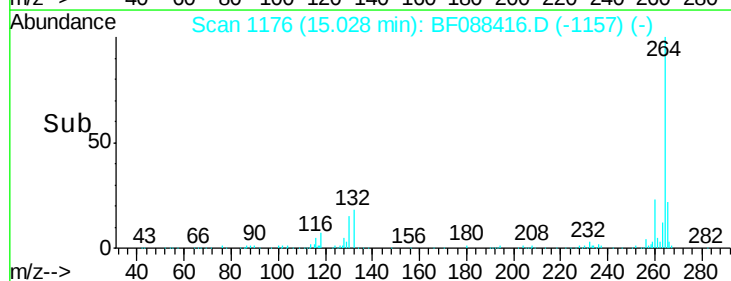
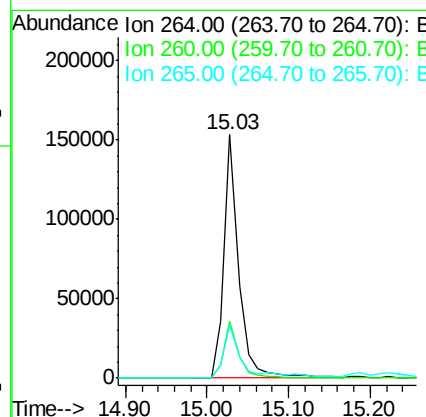
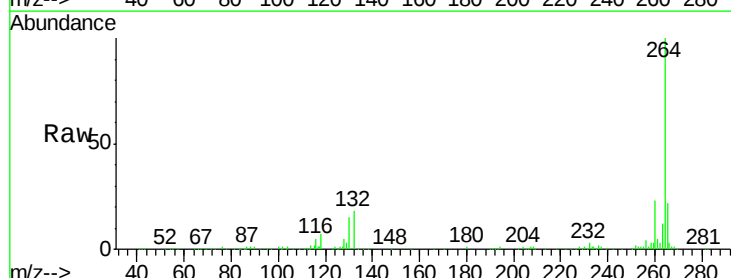
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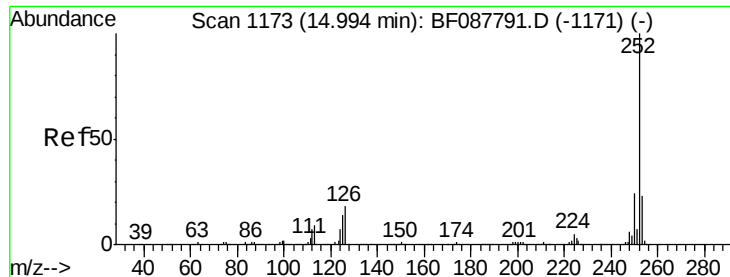
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.08 min
Lab File: BF088416.D
Acq: 26 Jun 2016 14:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.8	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 8.98 ng m

RT: 14.67 min Scan# 1145

Delta R.T. -0.07 min

Lab File: BF088416.D

Acq: 26 Jun 2016 14:08

Instrument :

BNA_F

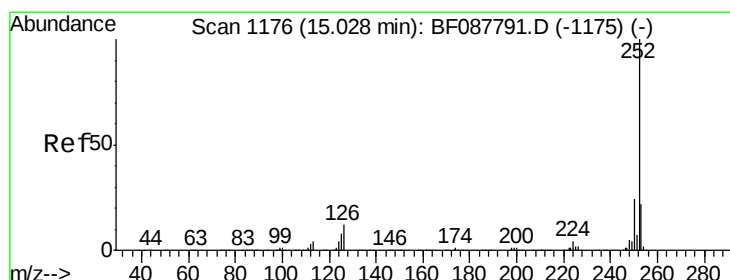
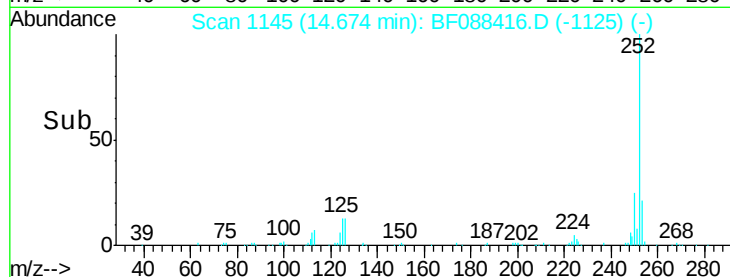
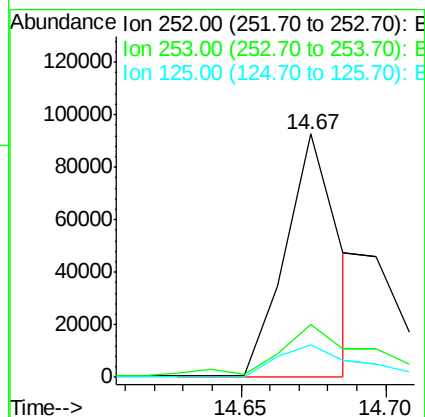
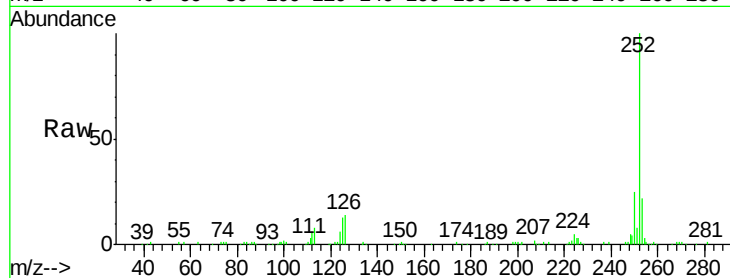
ClientSampleId :

SC-STA-1501(0-4)

Tot Ion:	252	Resp:	121233
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.4	26.2
125	13.4	7.1	10.7#

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#88

Benzo(k)fluoranthene

Concen: 5.08 ng m

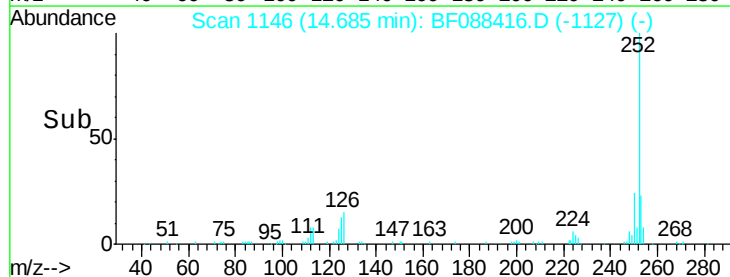
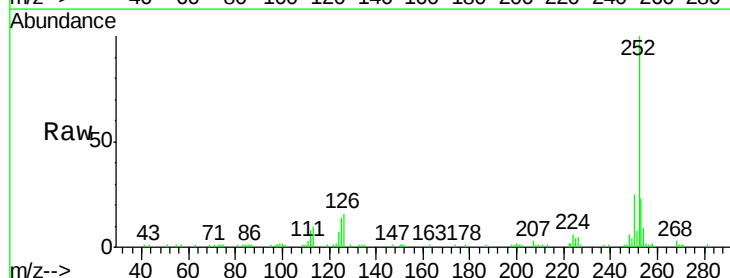
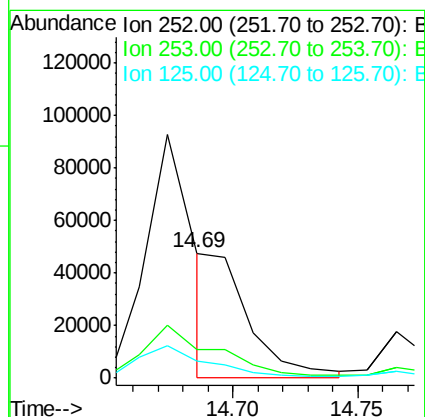
RT: 14.69 min Scan# 1146

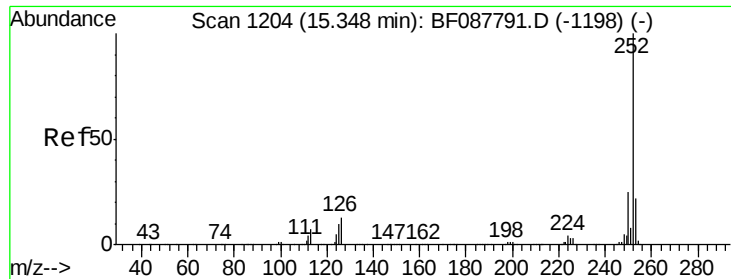
Delta R.T. -0.08 min

Lab File: BF088416.D

Acq: 26 Jun 2016 14:08

Tgt Ion:	252	Resp:	51790
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.0	27.0
125	13.7	11.2	16.8





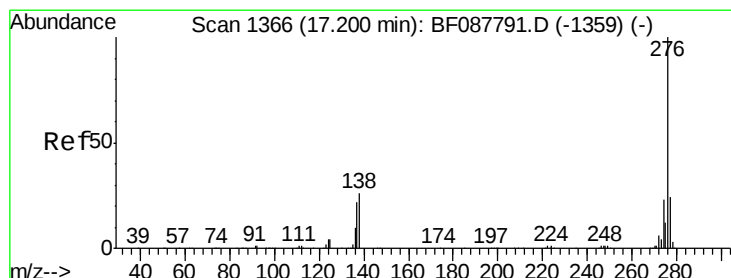
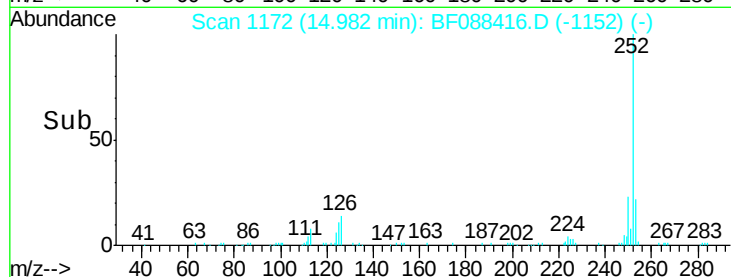
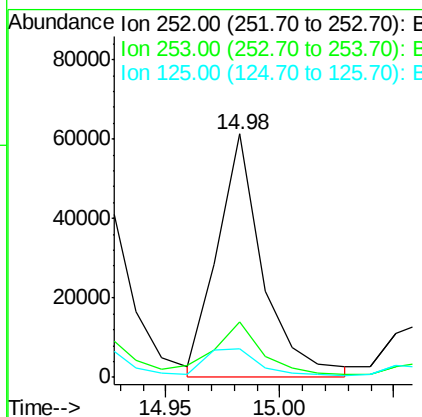
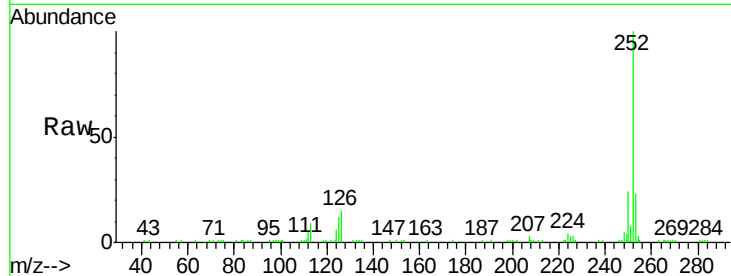
#89
Benzo(a)pyrene
Concen: 7.84 ng/ml
RT: 14.98 min Scan# 1172
Delta R.T. -0.07 min
Lab File: BF088416.D
Acq: 26 Jun 2016 14:08

Instrument :
BNA_F
ClientSampleId :
SC-STA-1501(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	11.9	12.5	18.7

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#91
Benzo(g,h,i)perylene
Concen: 3.37 ng/ml
RT: 16.63 min Scan# 1316
Delta R.T. -0.11 min
Lab File: BF088416.D
Acq: 26 Jun 2016 14:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.9	28.3
138	26.4	21.4	32.2

