

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088333.D
 Acq On : 24 Jun 2016 15:58
 Operator : UM/SJ
 Sample : H3622-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1451(0-4)

Manual Integrations
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Quant Time: Jun 24 18:44:58 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	6.58	152	79671	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	320299	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	151688	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	290820	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	210268	20.00	ng	-0.02
86) Perylene-d12	15.07	264	175145	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	594203	127.50	ng	0.00
7) Phenol-d6	6.25	99	755967	133.85	ng	-0.01
23) Nitrobenzene-d5	7.16	82	500844	91.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	195452	122.03	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	816997	84.58	ng	-0.02
78) Terphenyl-d14	12.67	244	685211	74.15	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	9.48	152	37527	2.40	ng	99
49) Dimethylphthalate	9.35	163	147741	13.45	ng	99
70) Phenanthrene	11.12	178	80847	5.30	ng	98
71) Anthracene	11.18	178	41049	2.67	ng	97
74) Fluoranthene	12.30	202	422757	26.25	ng	98
77) Pyrene	12.53	202	440094	28.21	ng	100
80) Benzo(a)anthracene	13.71	228	197802	16.51	ng	96
82) Chrysene	13.75	228	210704m	18.69	ng	
85) Indeno(1,2,3-cd)pyrene	16.33	276	57291	5.47	ng	# 100
87) Benzo(b)fluoranthene	14.72	252	198951m	16.30	ng	
88) Benzo(k)fluoranthene	14.73	252	51431m	5.59	ng	
89) Benzo(a)pyrene	15.03	252	107792	10.91	ng	96
91) Benzo(g,h,i)perylene	16.71	276	53979	5.72	ng	98

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

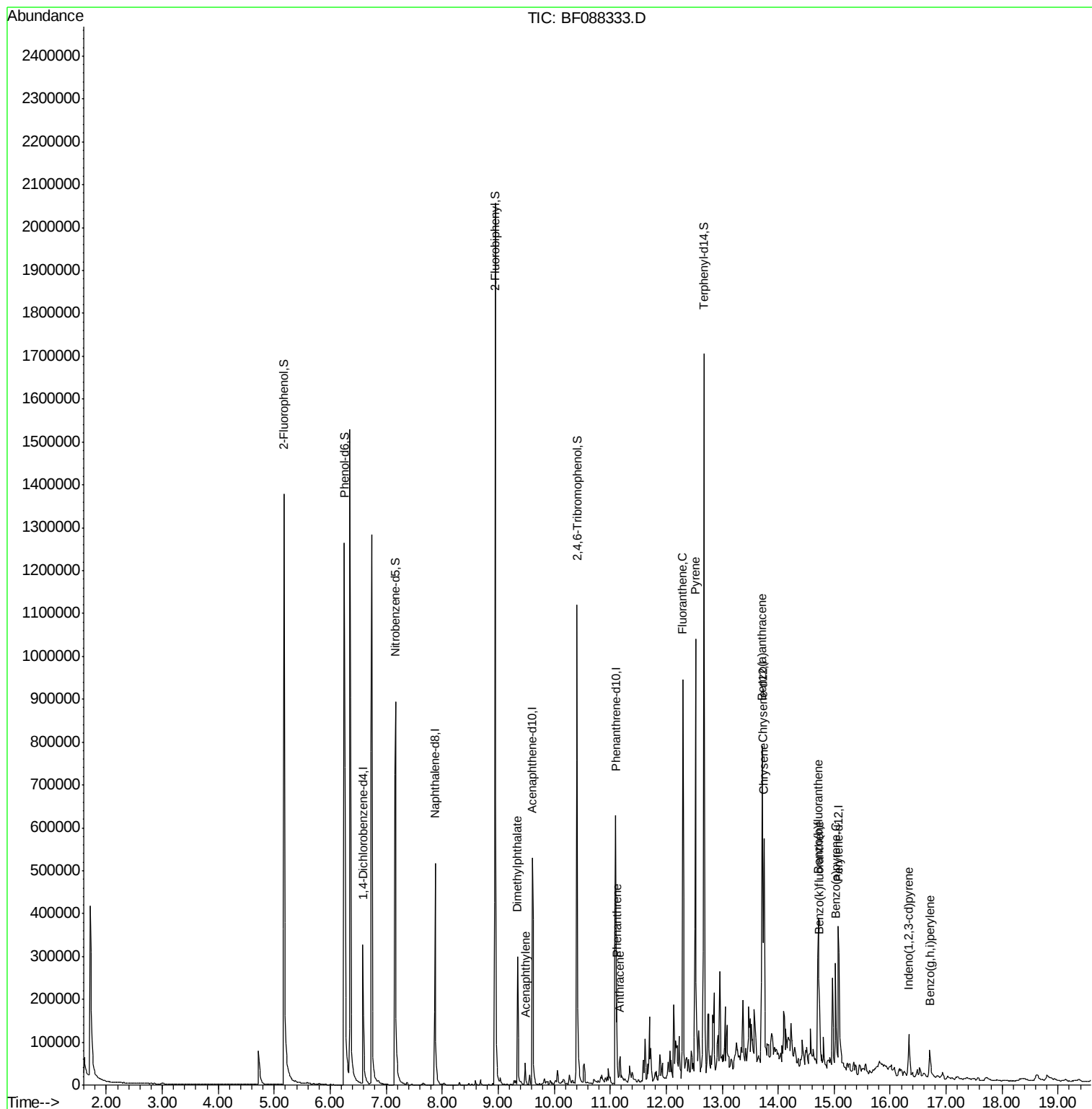
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088333.D
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ALS Vial : 4 Sample Multiplier: 1

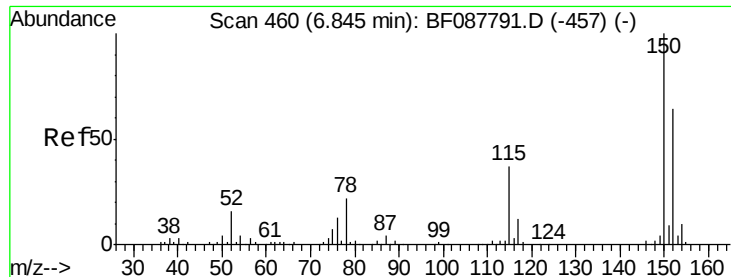
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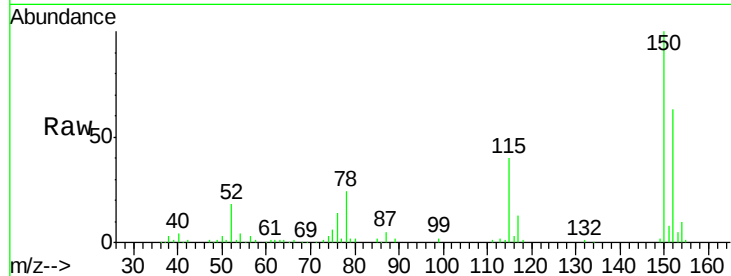




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF088333.D
Acq: 24 Jun 2016 15:58

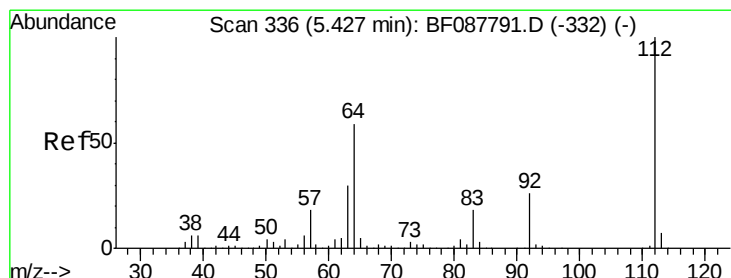
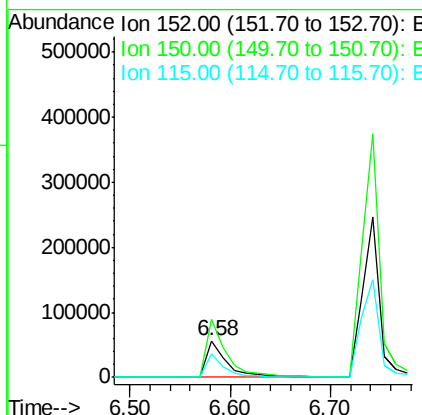
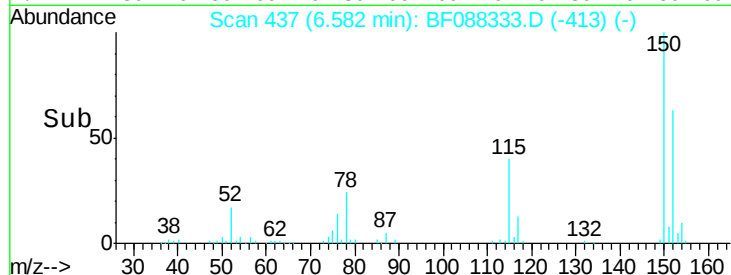
Instrument :
BNA_F
ClientSampleId :
SC-STA-1451(0-4)



Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.9	123.8	185.6
115	63.3	39.6	59.4

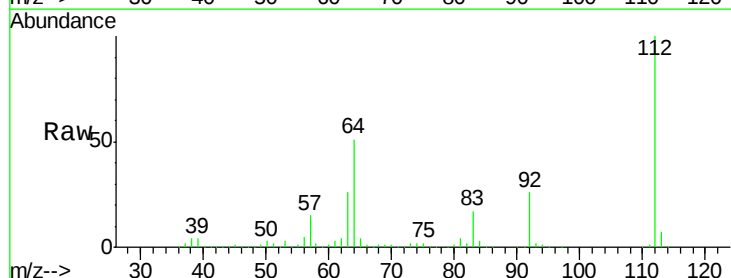
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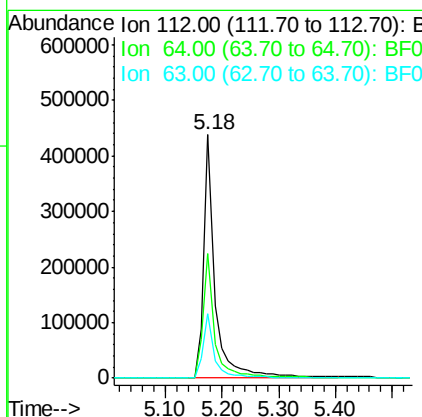
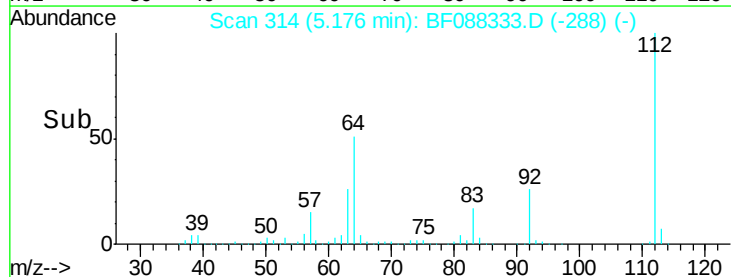


#5

2-Fluorophenol
Concen: 127.50 ng
RT: 5.18 min Scan# 314
Delta R.T. 0.00 min
Lab File: BF088333.D
Acq: 24 Jun 2016 15:58



Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.1	42.2	63.2
63	26.4	21.8	32.8





#7

Phenol-d6

Concen: 133.85 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088333.D

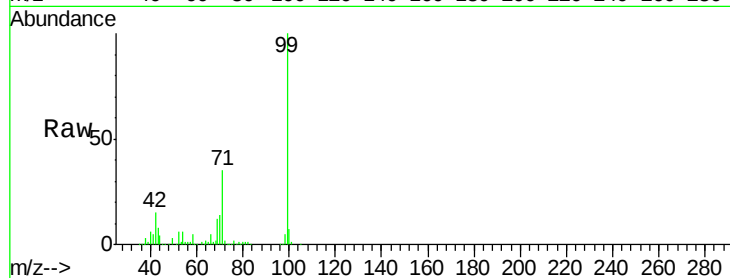
Acq: 24 Jun 2016 15:58

Instrument :

BNA_F

ClientSampleId :

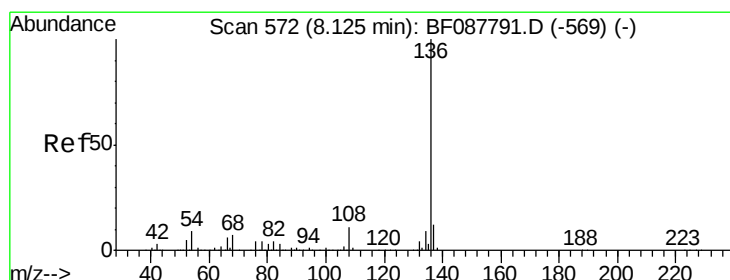
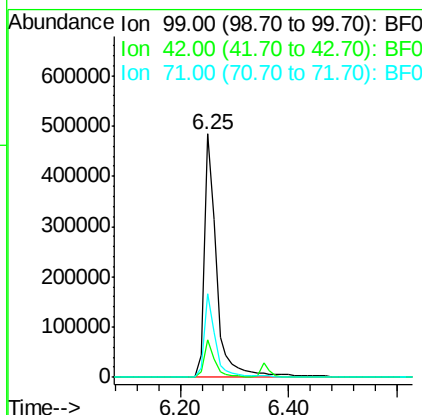
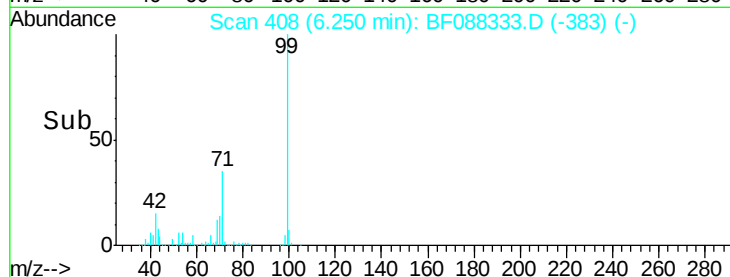
SC-STA-1451(0-4)



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		755967		
42	15.5	12.2	18.2		
71	34.5	23.4	35.0		

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#21

Naphthalene-d8

Concen: 20.00 ng

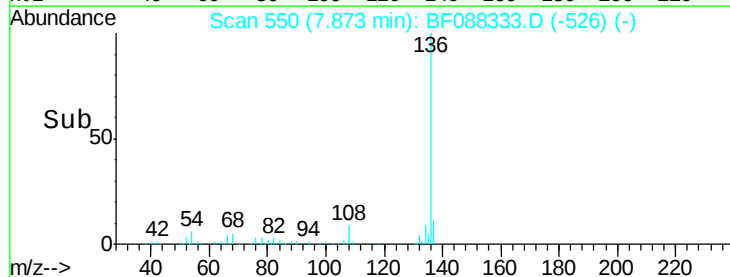
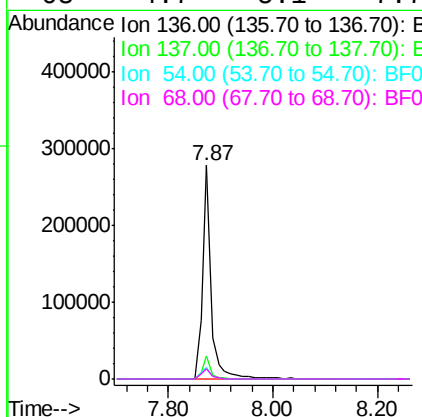
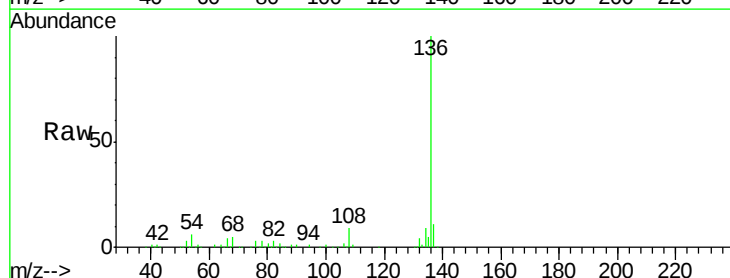
RT: 7.87 min Scan# 550

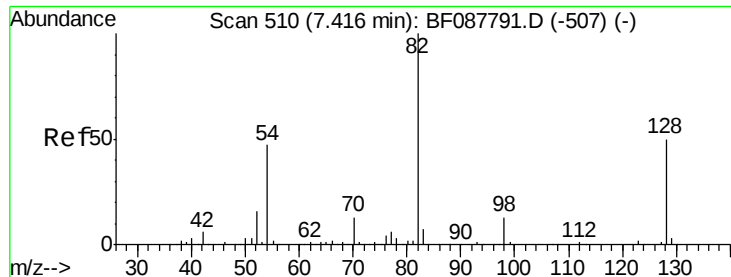
Delta R.T. -0.02 min

Lab File: BF088333.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		320299		
137	10.6	9.1	13.7		
54	5.6	6.6	10.0#		
68	4.7	5.1	7.7#		





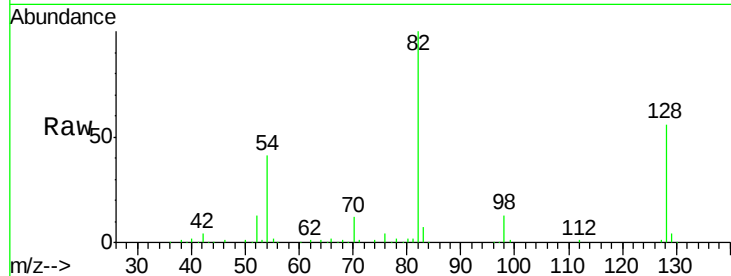
#23
 Nitrobenzene-d5
 Concen: 91.31 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF088333.D
 Acq: 24 Jun 2016 15:58

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1451(0-4)

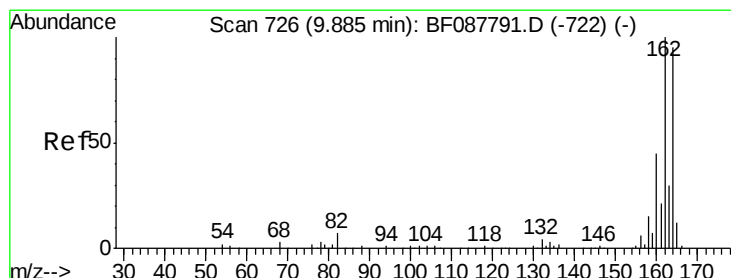
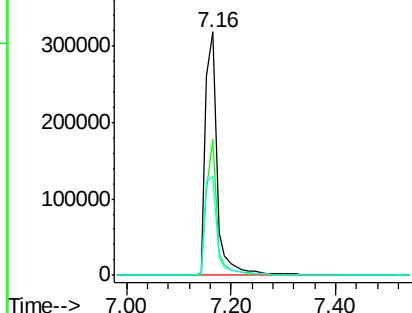
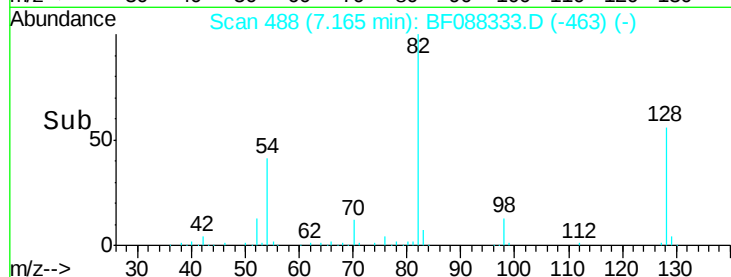
Tgt Ion	Ratio	Lower	Upper
82	100		
128	55.7	35.9	53.9#
54	40.6	40.9	61.3#

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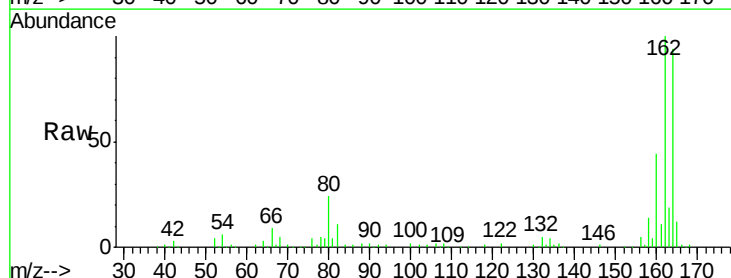


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

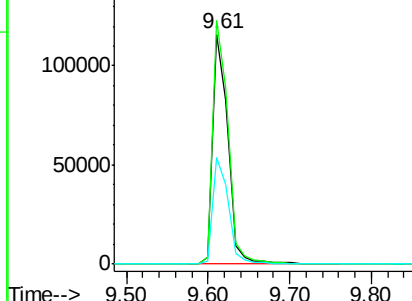
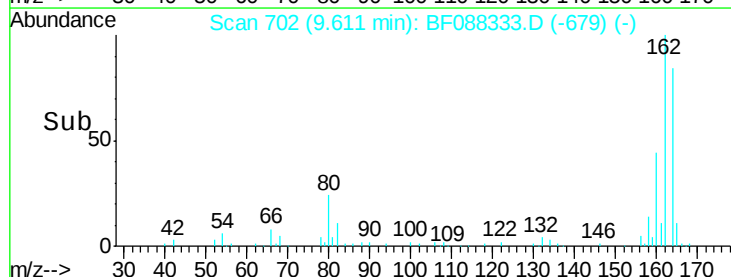


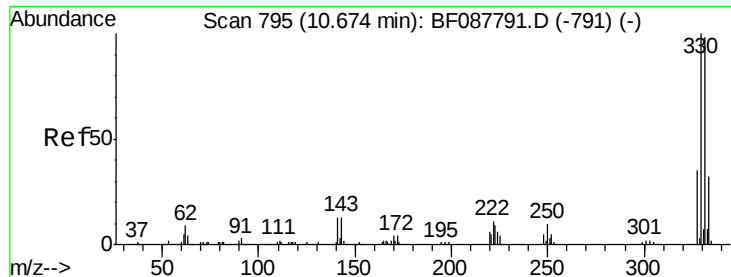
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: BF088333.D
 Acq: 24 Jun 2016 15:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	85.4	128.2
160	46.5	39.5	59.3



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





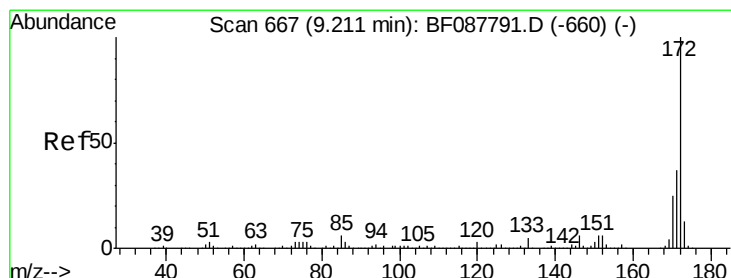
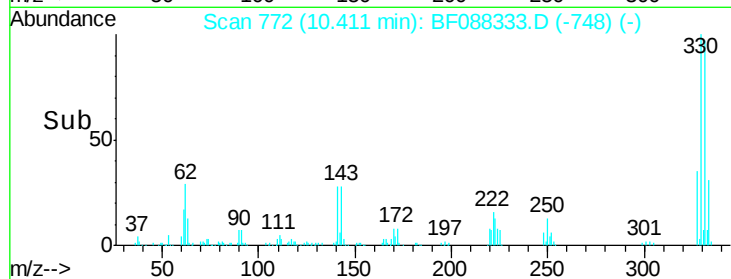
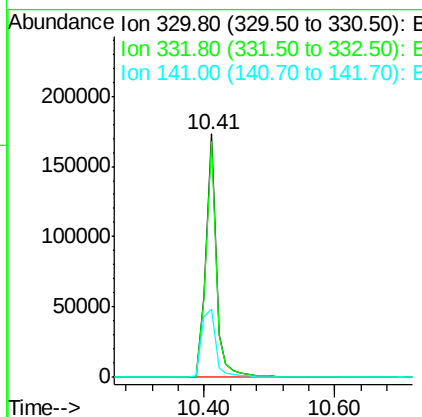
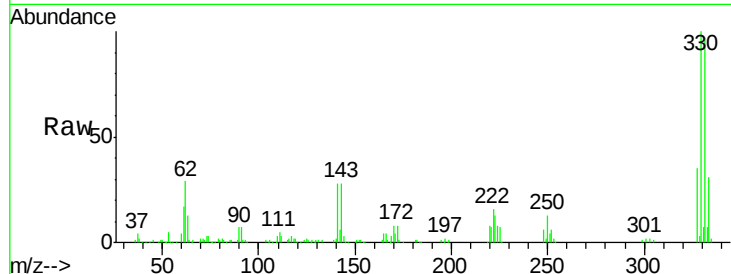
#41
 2,4,6-Tribromophenol
 Concen: 122.03 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF088333.D
 Acq: 24 Jun 2016 15:58

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1451(0-4)

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	38.5	0.0	0.0#

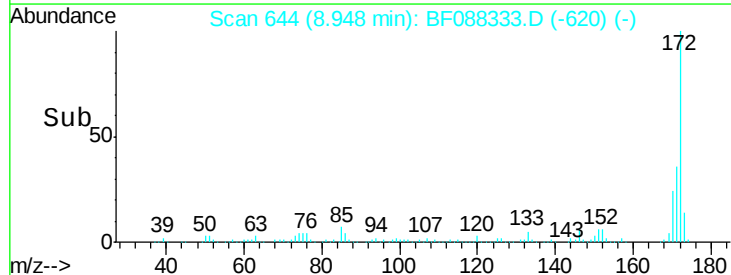
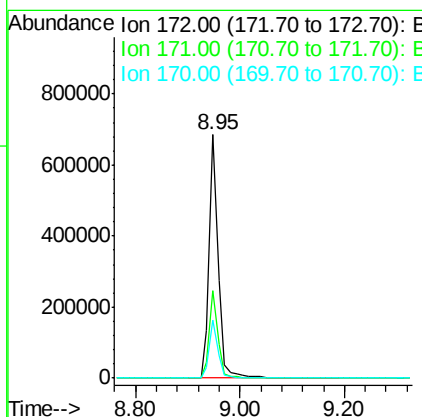
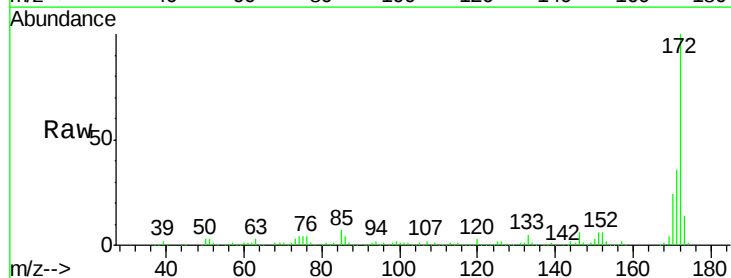
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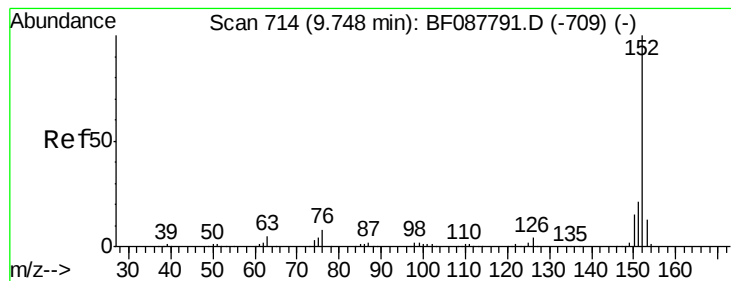
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#44
 2-Fluorobiphenyl
 Concen: 84.58 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF088333.D
 Acq: 24 Jun 2016 15:58

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.0	28.6	43.0
170	23.9	19.2	28.8





#48

Acenaphthylene

Concen: 2.40 ng

RT: 9.48 min Scan# 691

Delta R.T. -0.02 min

Lab File: BF088333.D

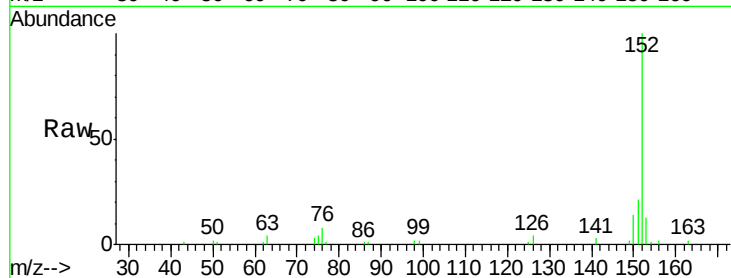
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Instrument :

BNA_F

ClientSampleId :

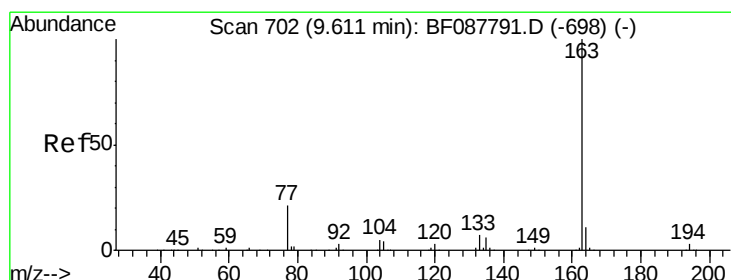
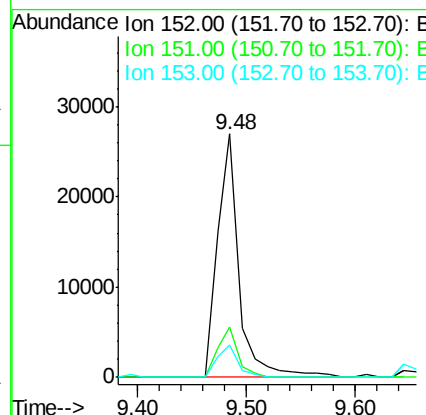
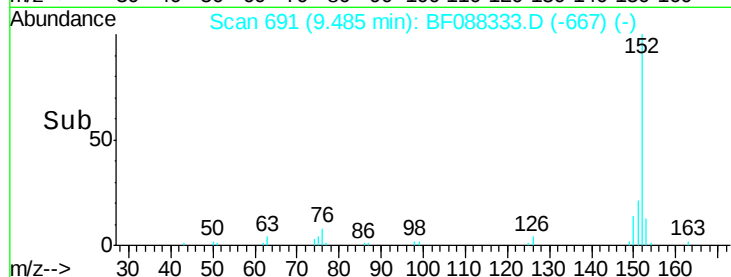
SC-STA-1451(0-4)



Tgt Ion:	152	Resp:	37527
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.2	24.4
153	13.3	11.0	16.6

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#49

Dimethylphthalate

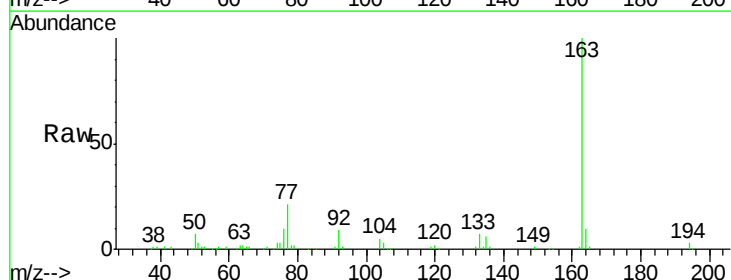
Concen: 13.45 ng

RT: 9.35 min Scan# 679

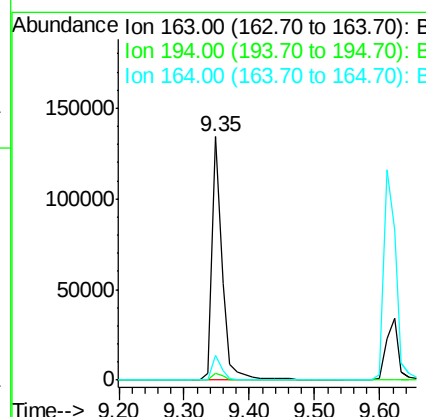
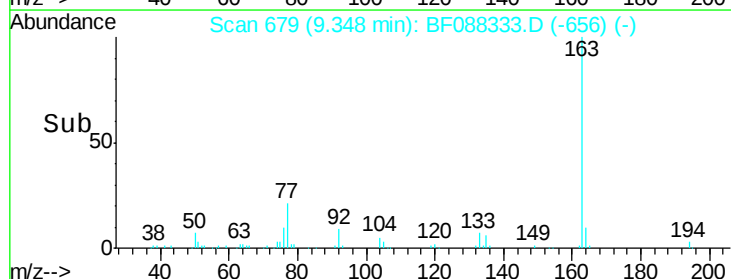
Delta R.T. -0.03 min

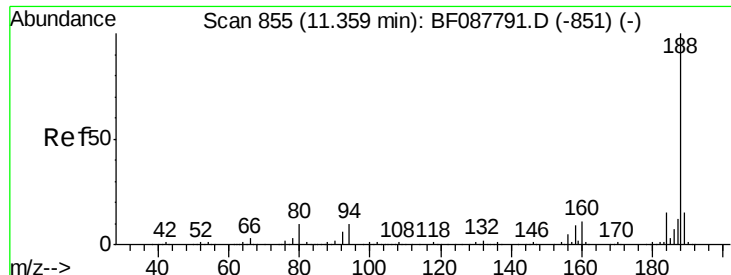
Lab File: BF088333.D

Acq: 24 Jun 2016 15:58



Tgt Ion:	163	Resp:	147741
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.8	4.2
164	10.2	8.3	12.5





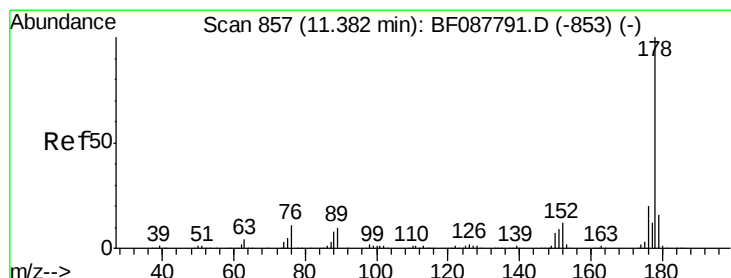
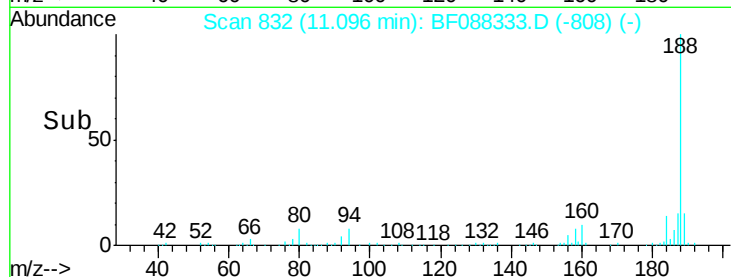
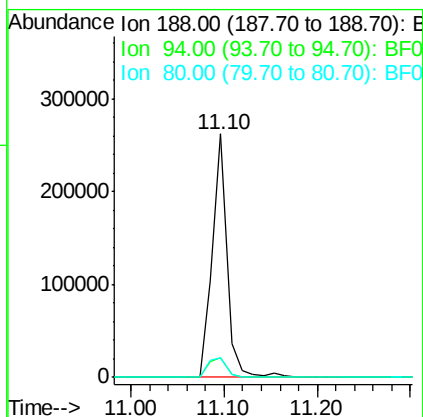
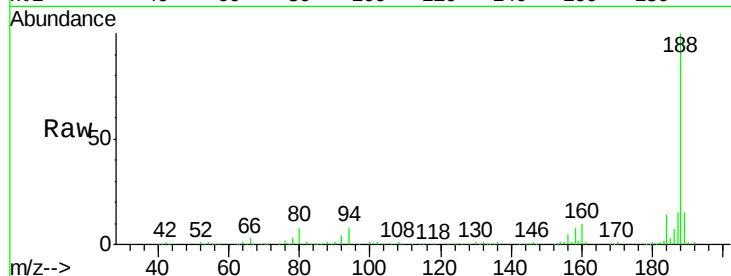
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.02 min
Lab File: BF088333.D
Acq: 24 Jun 2016 15:58

Instrument :
BNA_F
ClientSampleId :
SC-STA-1451(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.1	9.0	13.6#
80	8.2	10.0	15.0#

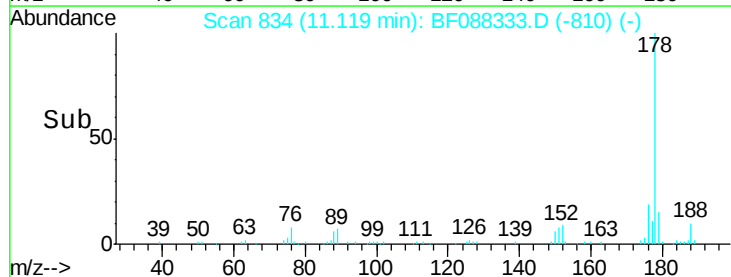
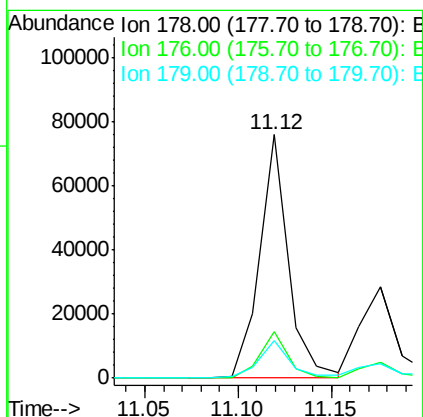
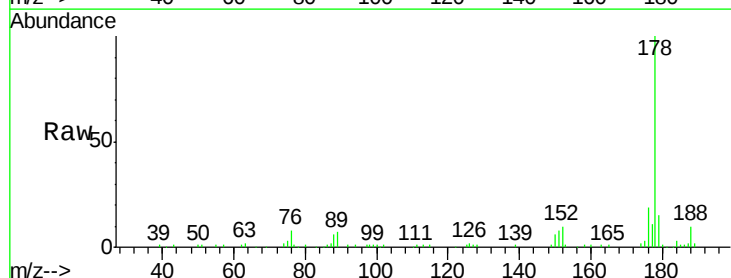
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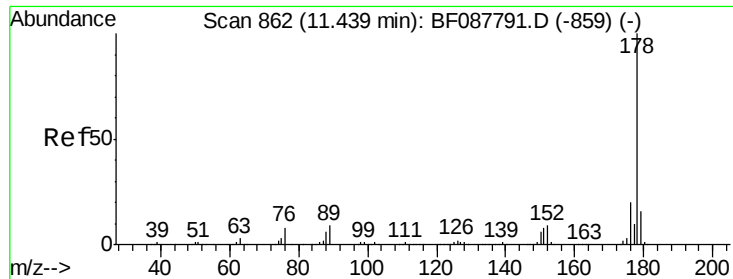
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#70
Phenanthrene
Concen: 5.30 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.02 min
Lab File: BF088333.D
Acq: 24 Jun 2016 15:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	15.8	23.6
179	15.2	13.0	19.4





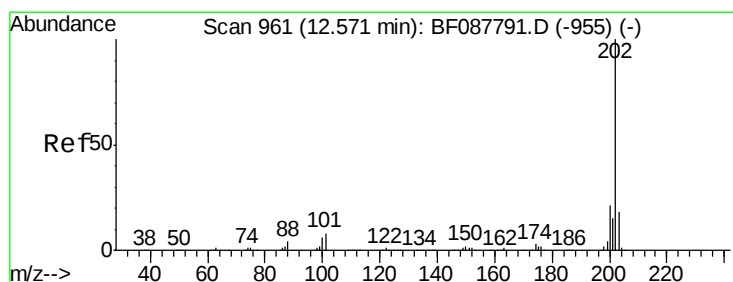
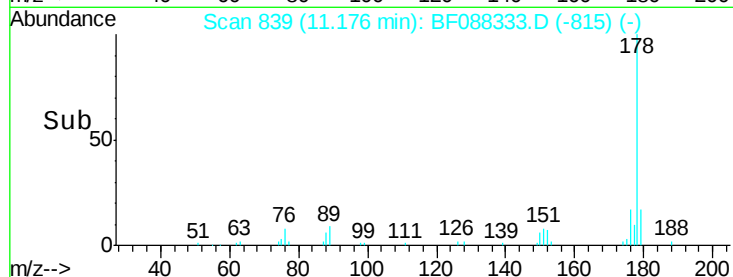
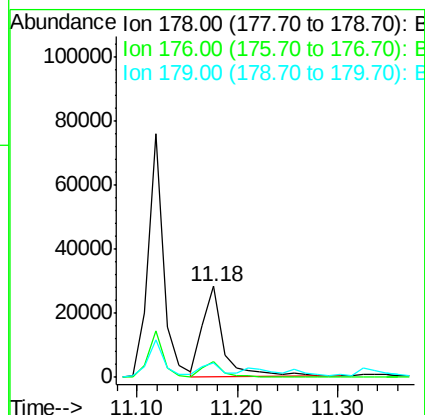
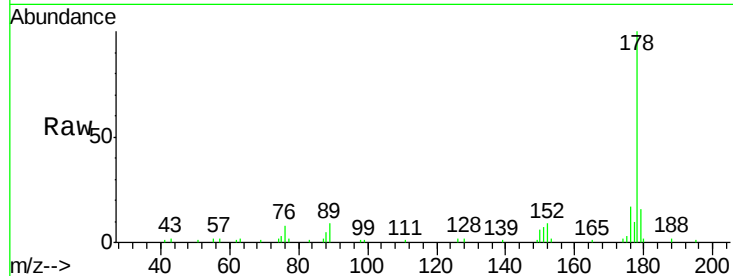
#71
 Anthracene
 Concen: 2.67 ng
 RT: 11.18 min Scan# 839
 Delta R.T. -0.02 min
 Lab File: BF088333.D
 Acq: 24 Jun 2016 15:58

Instrument :
 BNA_F
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 SC-STA-1451(0-4)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.6	23.4
179	16.5	12.8	19.2

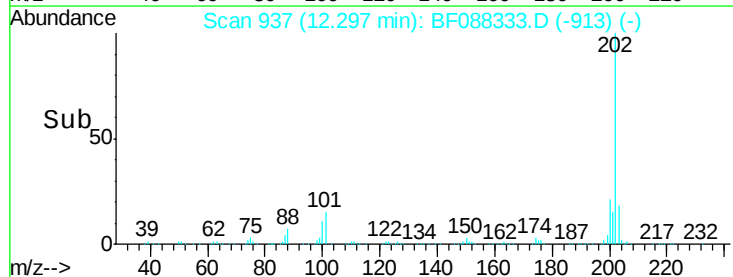
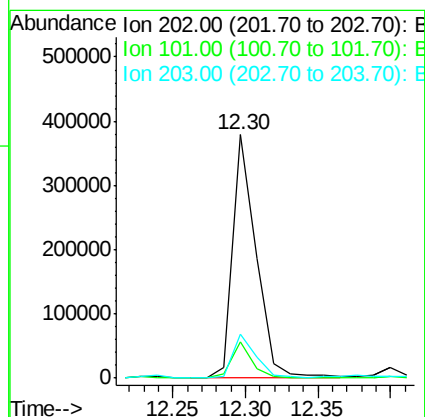
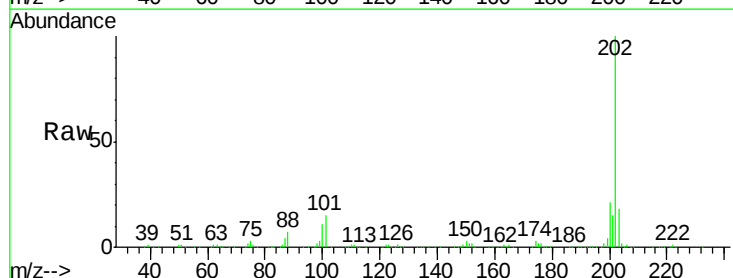
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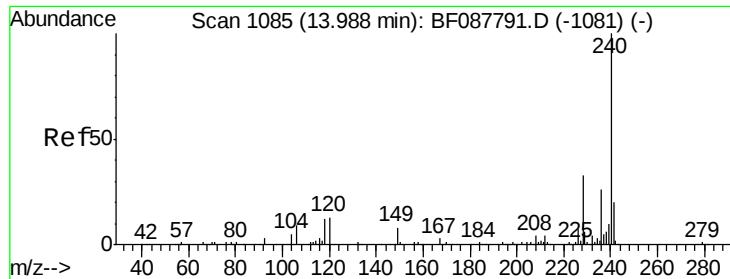
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#74
 Fluoranthene
 Concen: 26.25 ng
 RT: 12.30 min Scan# 937
 Delta R.T. -0.02 min
 Lab File: BF088333.D
 Acq: 24 Jun 2016 15:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	33.1
203	18.0	0.0	38.1





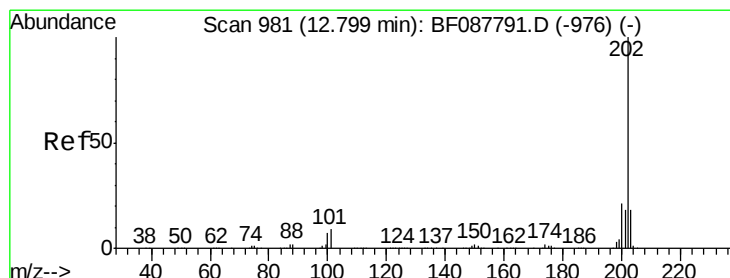
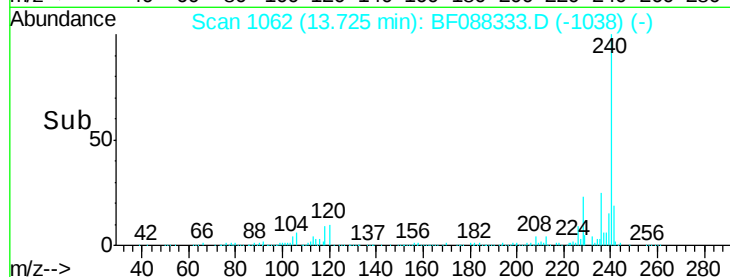
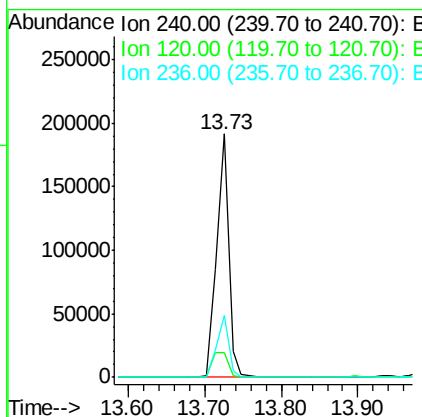
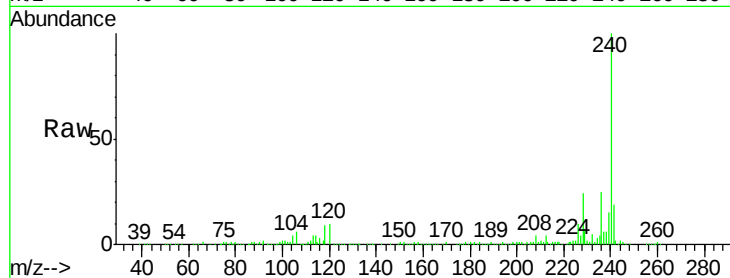
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF088333.D
Acq: 24 Jun 2016 15:58

Instrument :
BNA_F
ClientSampleId :
SC-STA-1451(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	210268		
120	9.9	6.8	10.2	
236	25.4	20.2	30.2	

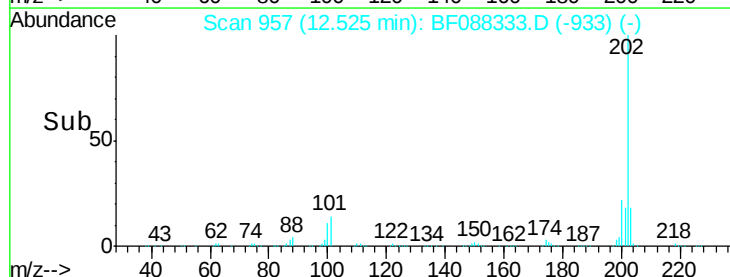
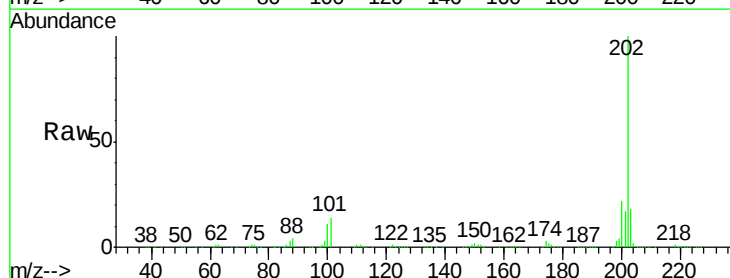
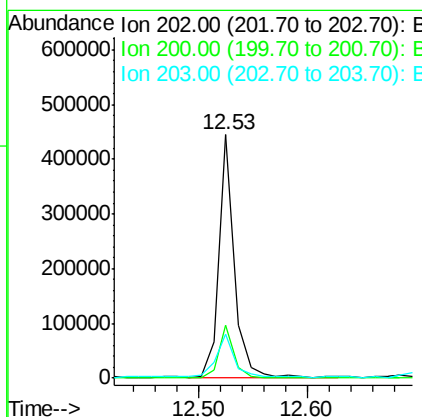
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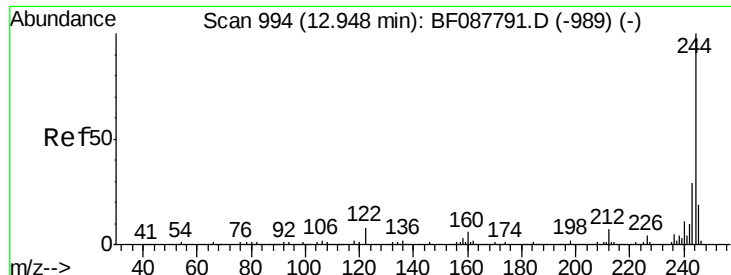
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#77
Pyrene
Concen: 28.21 ng
RT: 12.53 min Scan# 957
Delta R.T. -0.02 min
Lab File: BF088333.D
Acq: 24 Jun 2016 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	440094		
200	21.6	17.4	26.2	
203	18.1	14.5	21.7	





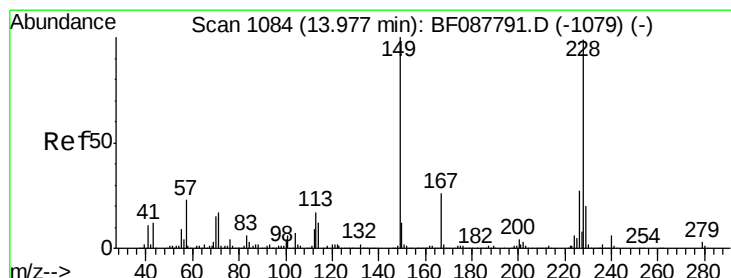
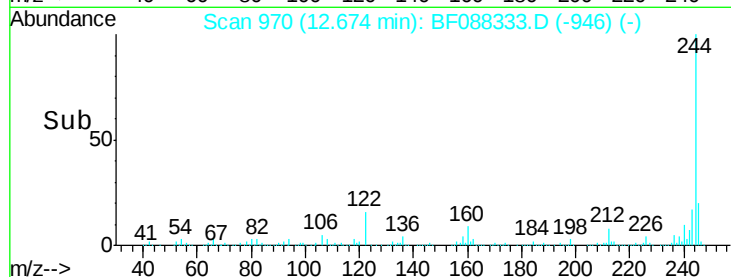
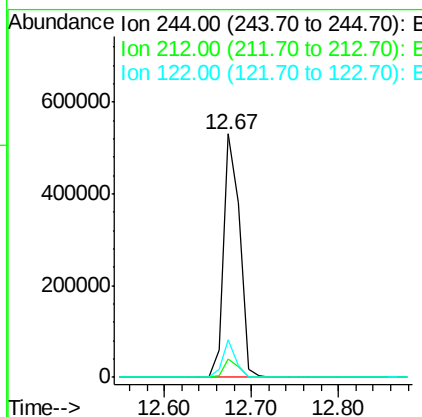
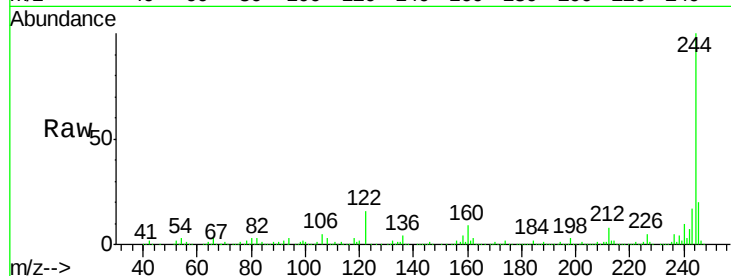
#78
 Terphenyl-d14
 Concen: 74.15 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.02 min
 Lab File: BF088333.D
 Acq: 24 Jun 2016 15:58

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1451(0-4)

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.8	6.0	9.0
122	15.5	11.2	16.8

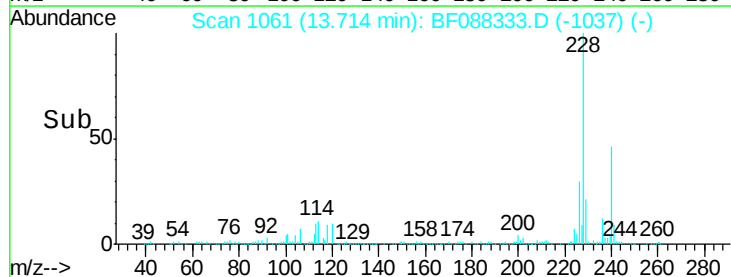
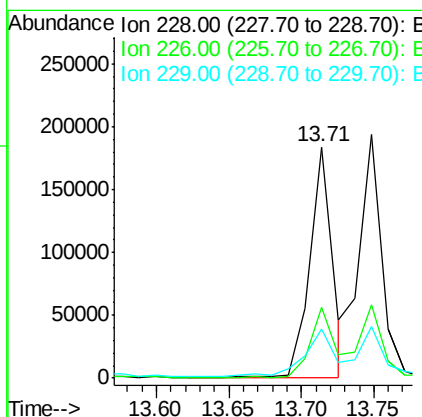
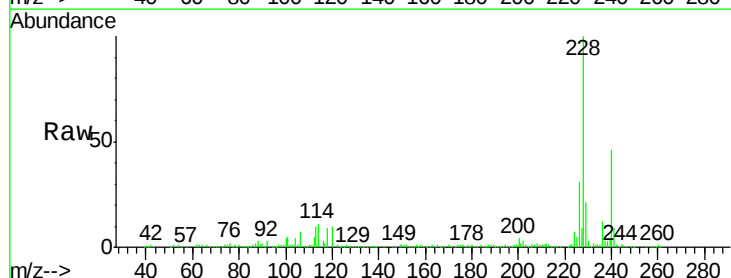
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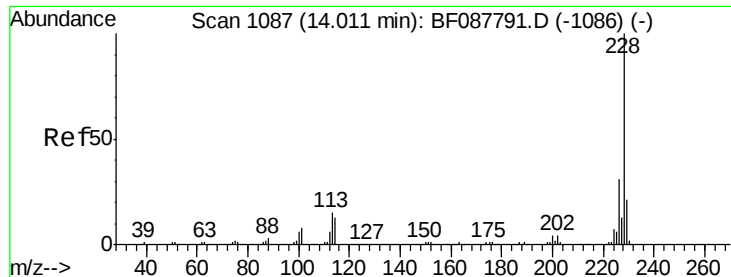
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#80
 Benzo(a)anthracene
 Concen: 16.51 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BF088333.D
 Acq: 24 Jun 2016 15:58

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.6	22.3	33.5
229	21.2	16.0	24.0





#82

Chrysene

Concen: 18.69 ng m

RT: 13.75 min Scan# 1064

Delta R.T. -0.02 min

Lab File: BF088333.D

Acq: 24 Jun 2016 15:58

Instrument :

BNA_F

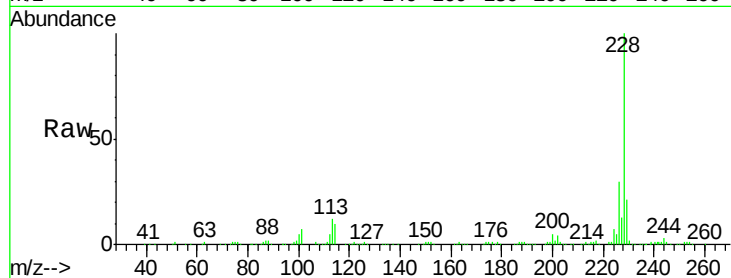
ClientSampleId :

SC-STA-1451(0-4)

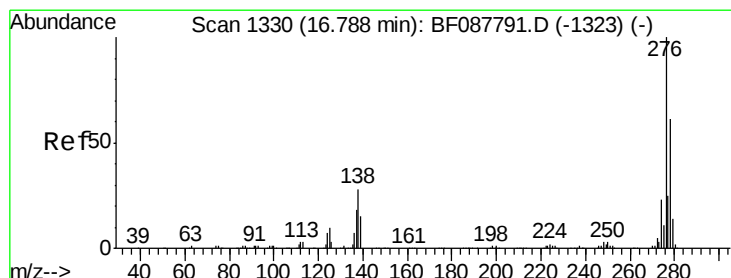
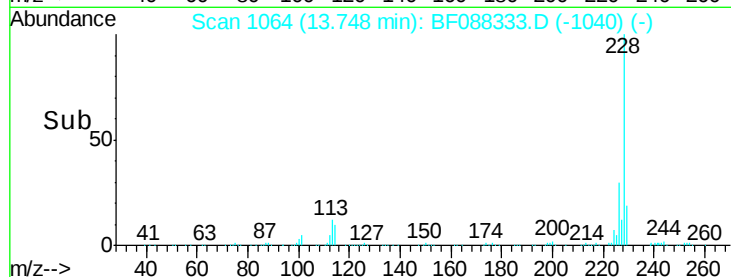
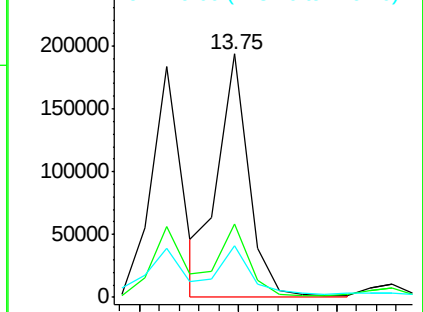
Tgt Ion:	228	Resp:	210704
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.4	38.2
229	21.0	16.3	24.5

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.47 ng

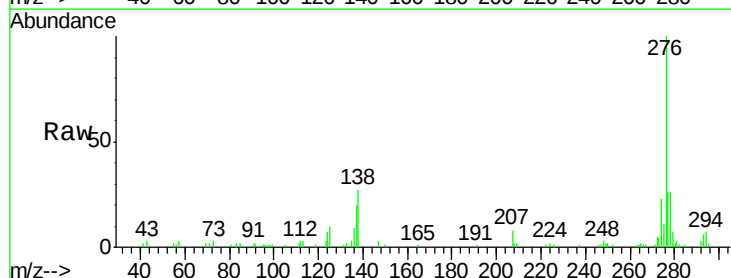
RT: 16.33 min Scan# 1290

Delta R.T. -0.03 min

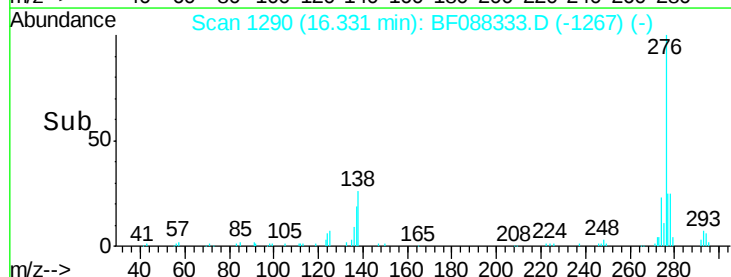
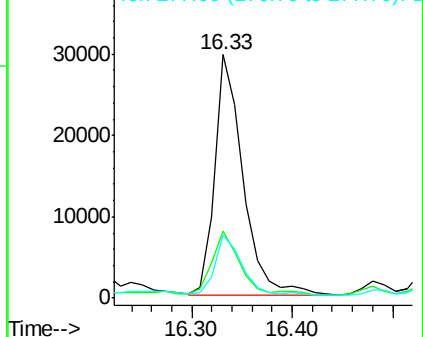
Lab File: BF088333.D

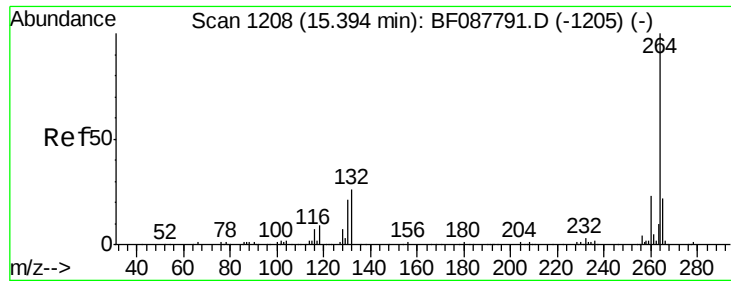
Acq: 24 Jun 2016 15:58

Tgt Ion:	276	Resp:	57291
Ion Ratio	Lower	Upper	
276	100		
138	27.4	0.0	0.0#
277	24.2	0.0	0.0#



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: 15.07 min Scan# 1180

Delta R.T. -0.03 min

Lab File: BF088333.D

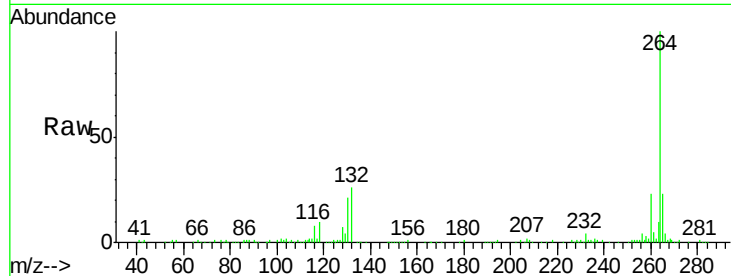
Acq: 24 Jun 2016 15:58

Instrument :

BNA_F

ClientSampleId :

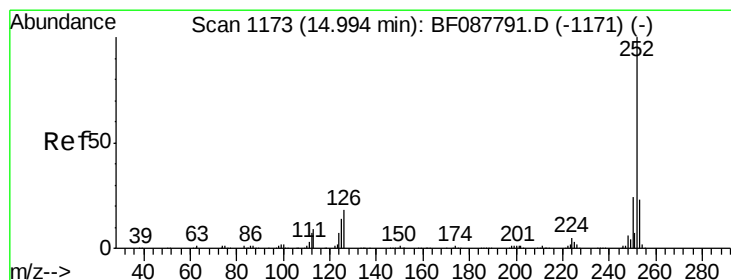
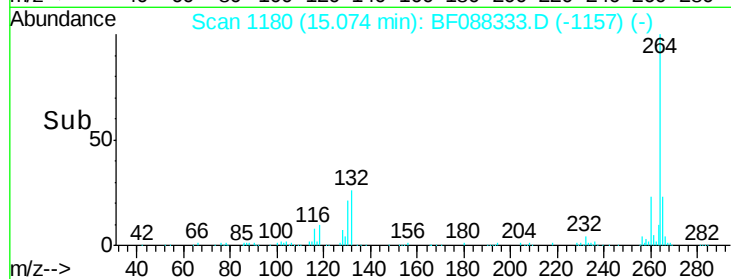
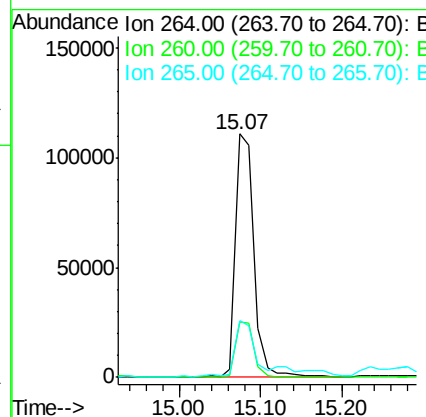
SC-STA-1451(0-4)



Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	23.1	16.9	25.3

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#87

Benzo(b)fluoranthene

Concen: 16.30 ng m

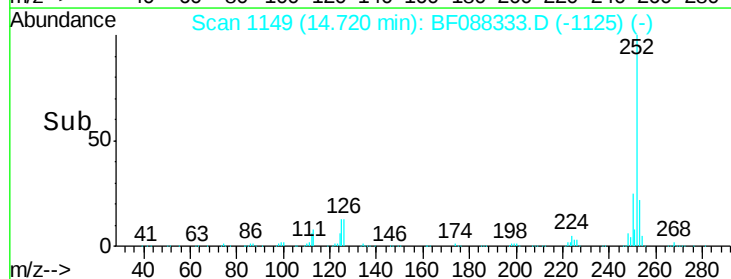
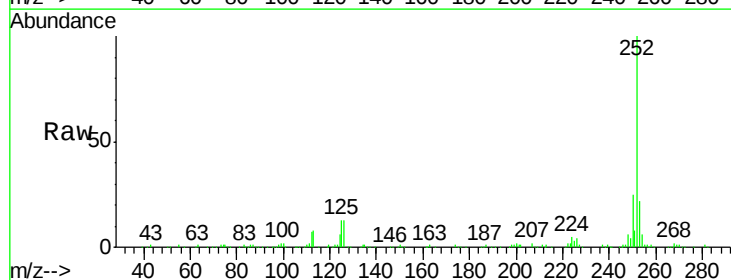
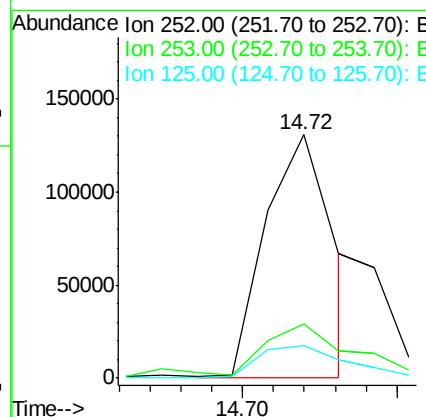
RT: 14.72 min Scan# 1149

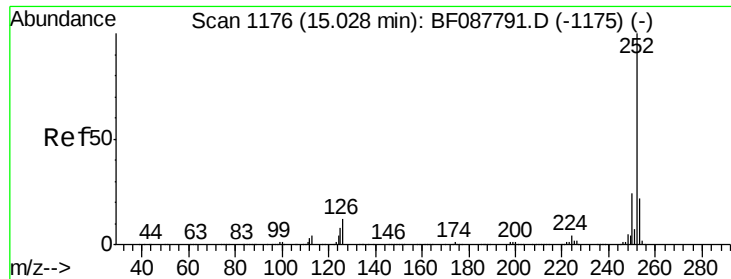
Delta R.T. -0.02 min

Lab File: BF088333.D

Acq: 24 Jun 2016 15:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	13.2	7.1	10.7#





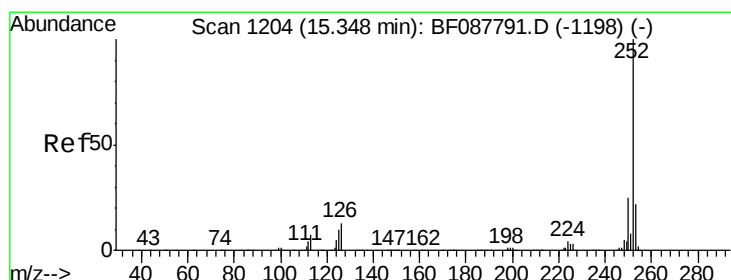
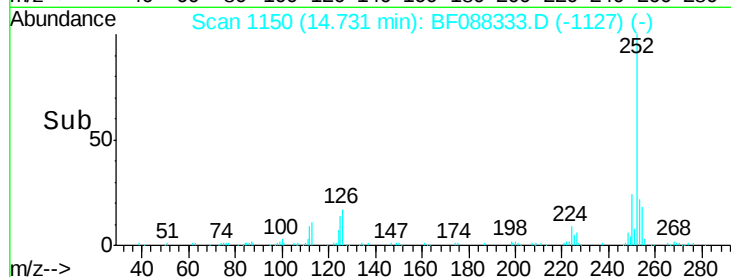
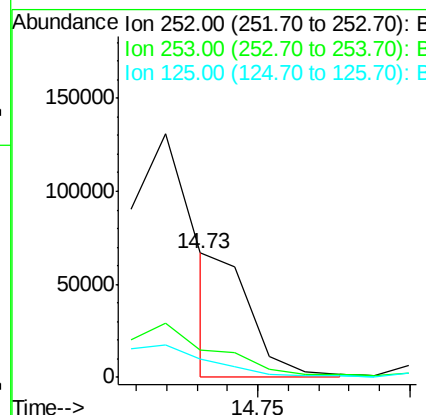
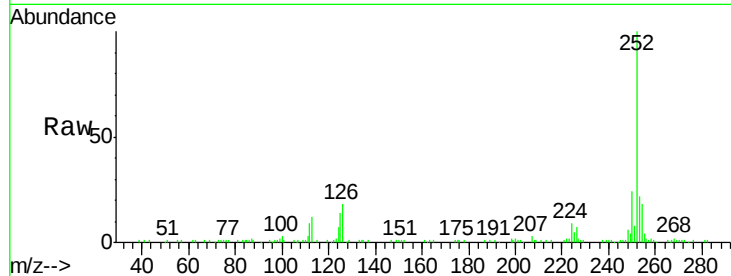
#88
Benzo(k)fluoranthene
Concen: 5.59 ng m
RT: 14.73 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF088333.D
Acq: 24 Jun 2016 15:58

Instrument :
BNA_F
ClientSampleId :
SC-STA-1451(0-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	14.4	11.2	16.8

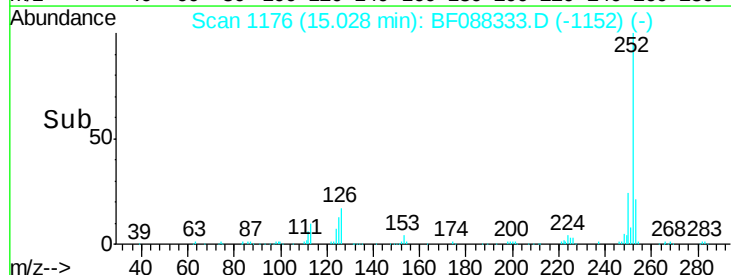
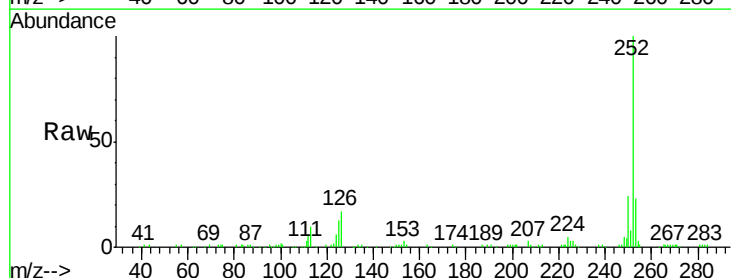
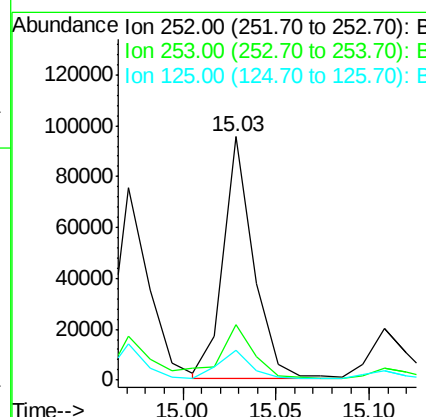
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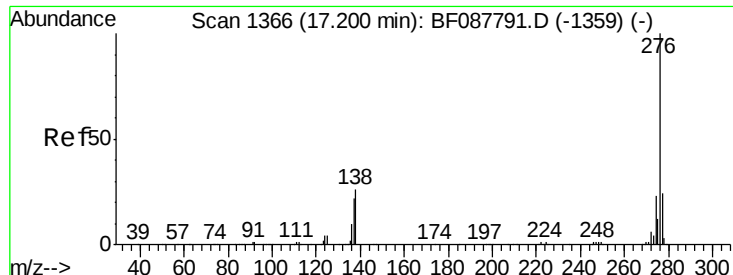
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#89
Benzo(a)pyrene
Concen: 10.91 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF088333.D
Acq: 24 Jun 2016 15:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	12.5	12.5	18.7





#91
 Benzo(g,h,i)perylene
 Concen: 5.72 ng
 RT: 16.71 min Scan# 1323
 Delta R.T. -0.03 min
 Lab File: BF088333.D
 Acq: 24 Jun 2016 15:58

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1451(0-4)

Tgt Ion:	276	Resp:	53979
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.9	28.3
138	27.1	21.4	32.2

Manual Integrations
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