

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088332.D
 Acq On : 24 Jun 2016 15:29
 Operator : UM/SJ
 Sample : H3622-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1442(0-4)

Manual Integrations
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Quant Time: Jun 24 18:12:23 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	76600m	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	317586	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	146954	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	280028	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	188479	20.00	ng	-0.02
86) Perylene-d12	15.09	264	167457	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	459161	102.47	ng	0.00
7) Phenol-d6	6.25	99	603214	111.08	ng	-0.01
23) Nitrobenzene-d5	7.15	82	383240	70.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.41	330	144017	92.81	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	701264	74.27	ng	-0.02
78) Terphenyl-d14	12.67	244	565904	68.32	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	9.48	152	51588	3.41	ng	99
49) Dimethylphthalate	9.35	163	102384	9.62	ng	99
70) Phenanthrene	11.12	178	122332	8.33	ng	97
71) Anthracene	11.18	178	51737	3.49	ng	97
74) Fluoranthene	12.30	202	494656	31.90	ng	96
77) Pyrene	12.53	202	471164	33.69	ng	99
80) Benzo(a)anthracene	13.71	228	228279m	21.25	ng	
82) Chrysene	13.75	228	234299m	23.19	ng	
85) Indeno(1,2,3-cd)pyrene	16.33	276	91332	9.73	ng	# 100
87) Benzo(b)fluoranthene	14.72	252	253838m	21.75	ng	
88) Benzo(k)fluoranthene	14.73	252	73205m	8.31	ng	
89) Benzo(a)pyrene	15.03	252	137549	14.57	ng	98
90) Dibenzo(a,h)anthracene	16.33	278	25647	2.92	ng	# 75
91) Benzo(g,h,i)perylene	16.71	276	80740	8.95	ng	98

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

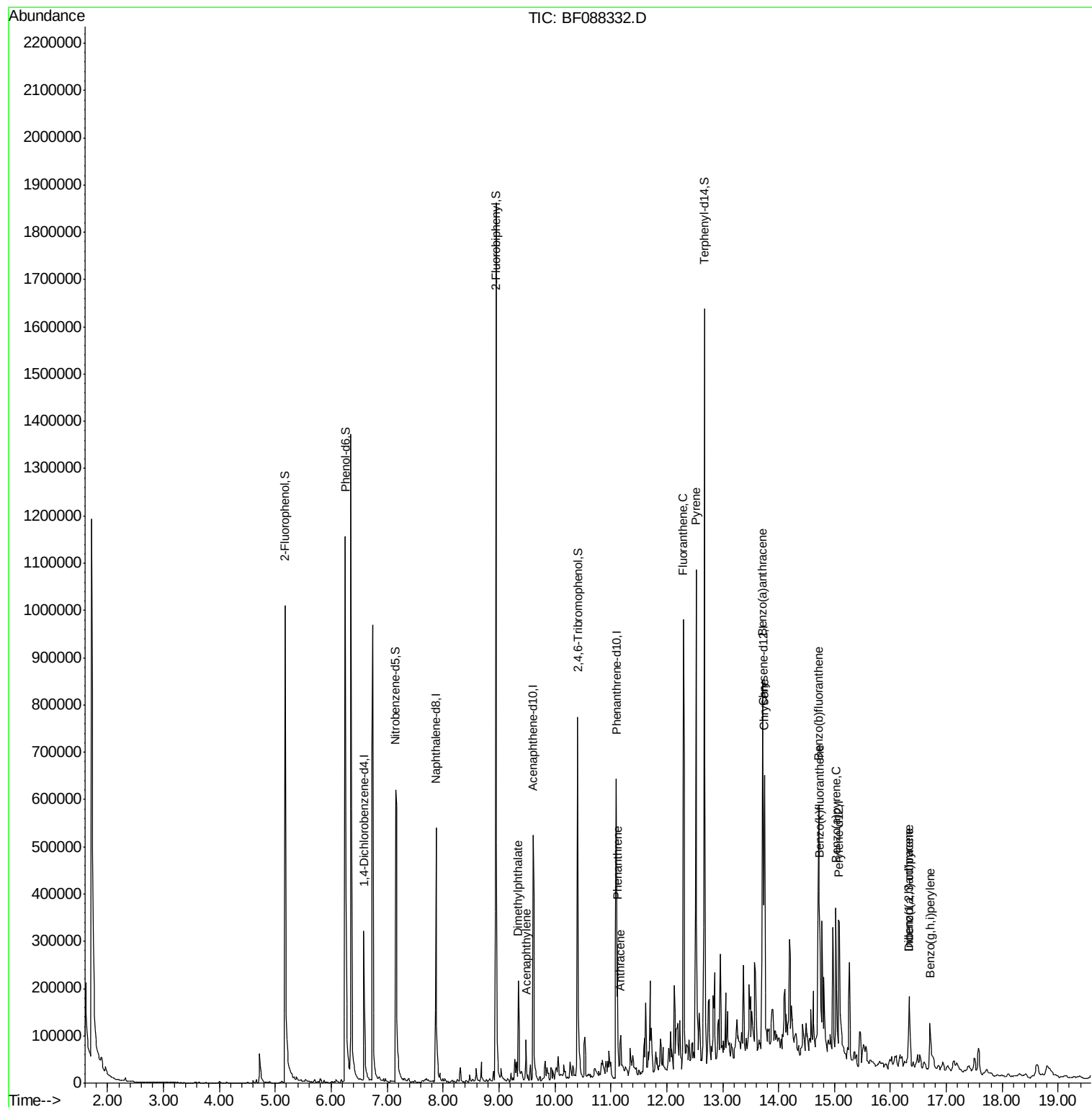
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088332.D
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Misc :
ALS Vial : 3 Sample Multiplier: 1

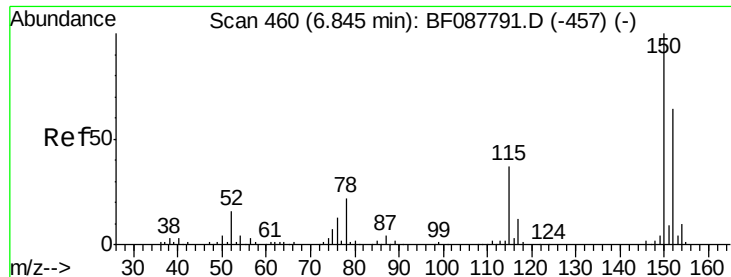
Instrument :
BNA_F
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SC-STA-1442(0-4)

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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#1

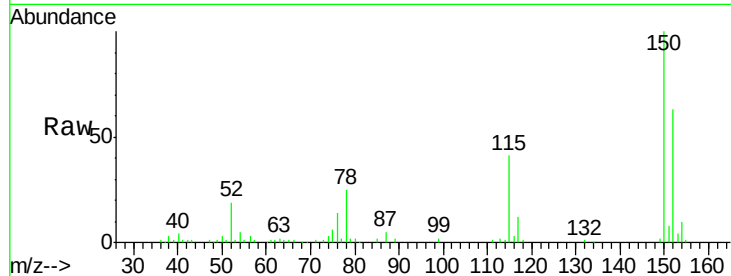
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.58 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF088332.D
Acq: 24 Jun 2016 15:29

Instrument :
BNA_F
ClientSampleId :
SC-STA-1442(0-4)

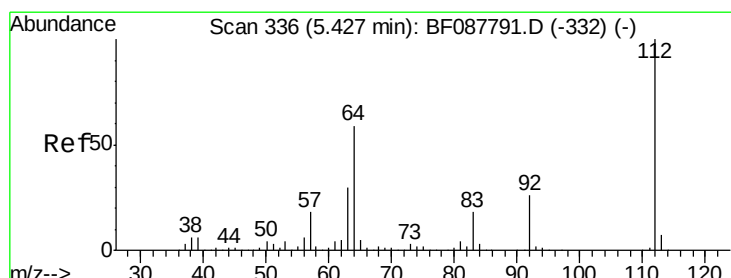
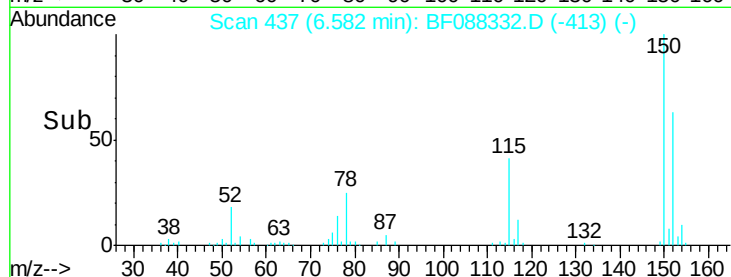
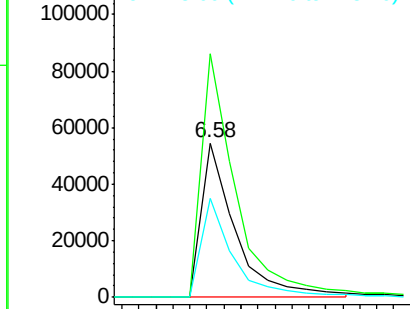
Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.6	123.8	185.6
115	64.2	39.6	59.4

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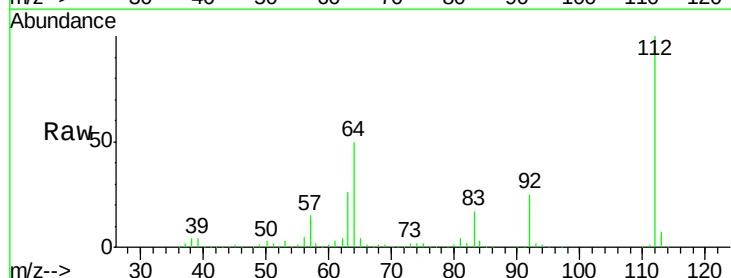
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



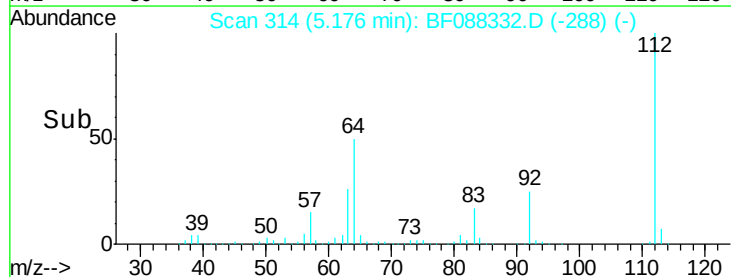
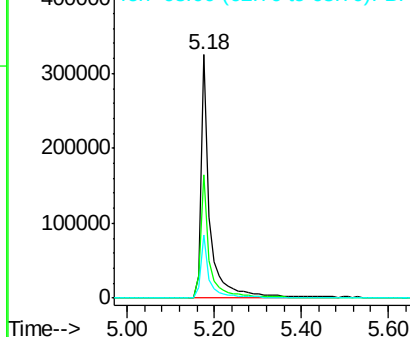
#5

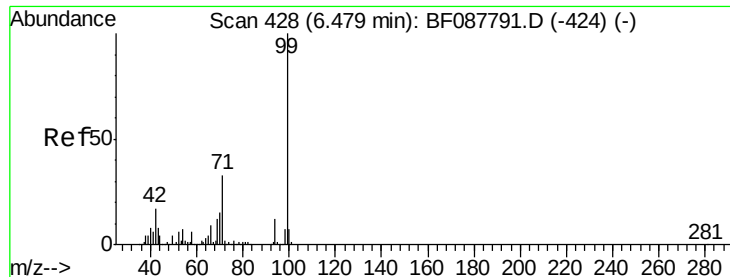
2-Fluorophenol
Concen: 102.47 ng
RT: 5.18 min Scan# 314
Delta R.T. 0.00 min
Lab File: BF088332.D
Acq: 24 Jun 2016 15:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.4	42.2	63.2
63	25.8	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: 111.08 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088332.D

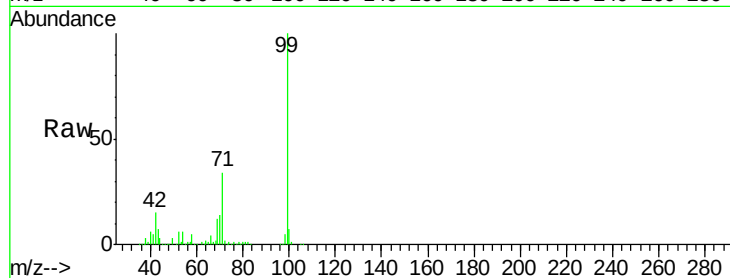
Acq: 24 Jun 2016 15:29

Instrument :

BNA_F

ClientSampleId :

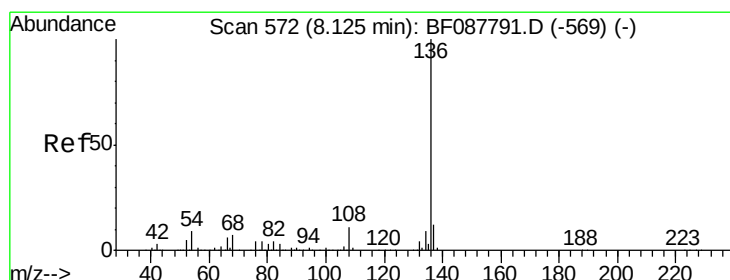
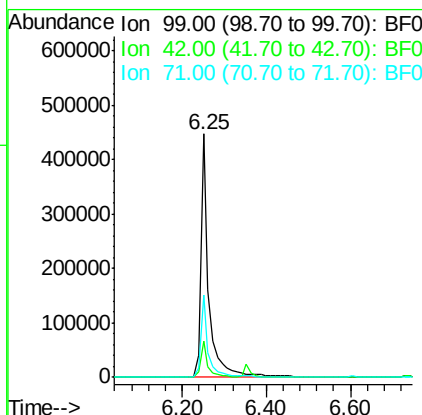
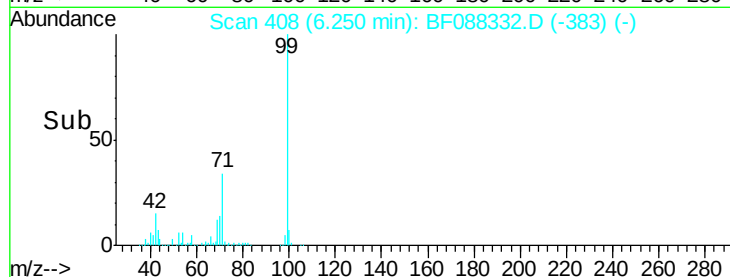
SC-STA-1442(0-4)



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		603214		
42	14.9	12.2	18.2		
71	33.6	23.4	35.0		

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#21

Naphthalene-d8

Concen: 20.00 ng

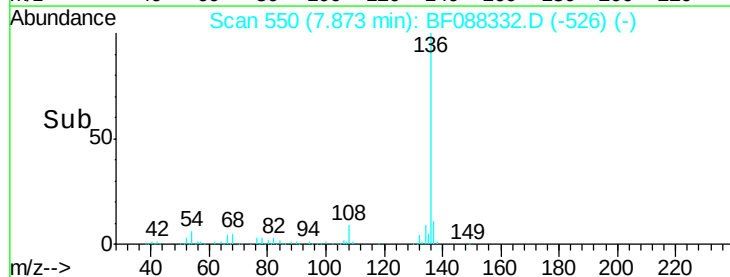
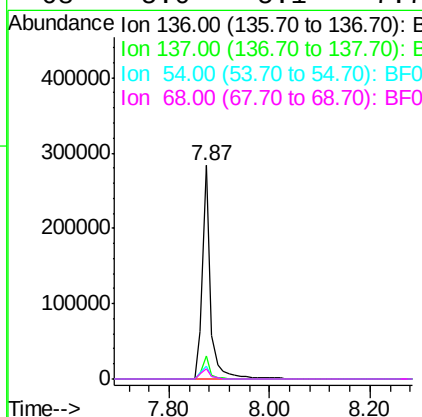
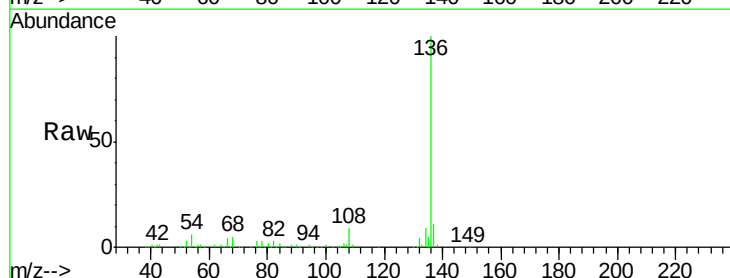
RT: 7.87 min Scan# 550

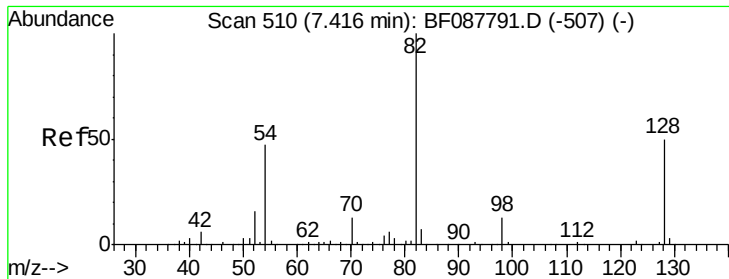
Delta R.T. -0.02 min

Lab File: BF088332.D

Acq: 24 Jun 2016 15:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		317586		
137	10.7	9.1	13.7		
54	5.7	6.6	10.0#		
68	5.0	5.1	7.7#		





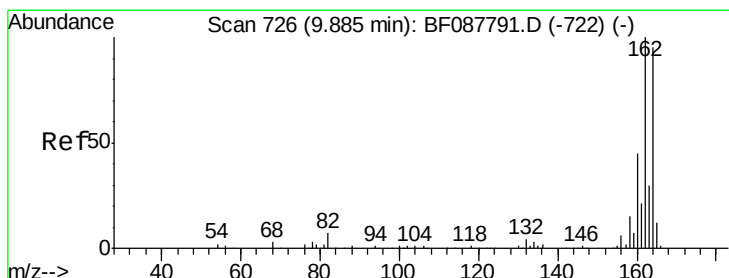
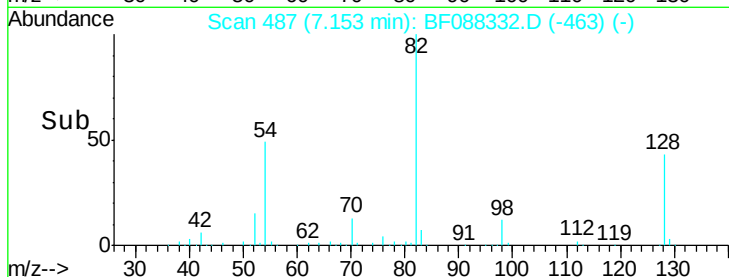
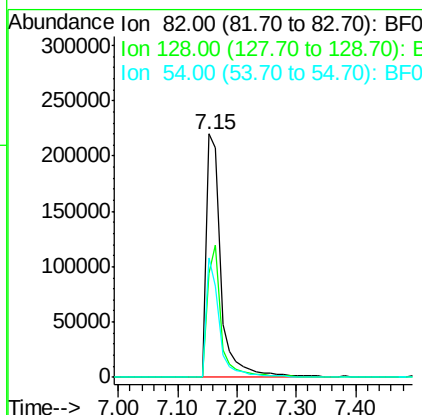
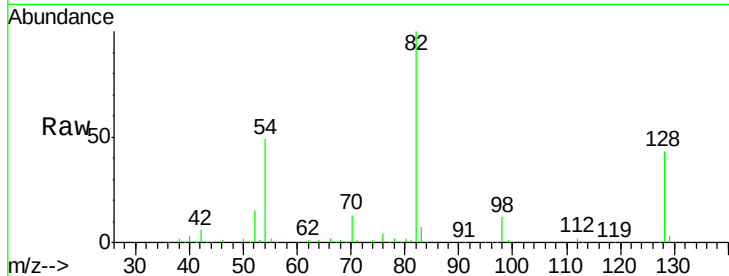
#23
Nitrobenzene-d5
Concen: 70.47 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.02 min
Lab File: BF088332.D
Acq: 24 Jun 2016 15:29

Instrument :
BNA_F
ClientSampleId :
SC-STA-1442(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	383240		
128	42.6	35.9	53.9	
54	48.9	40.9	61.3	

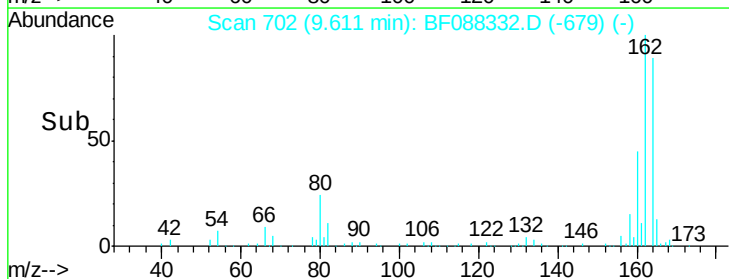
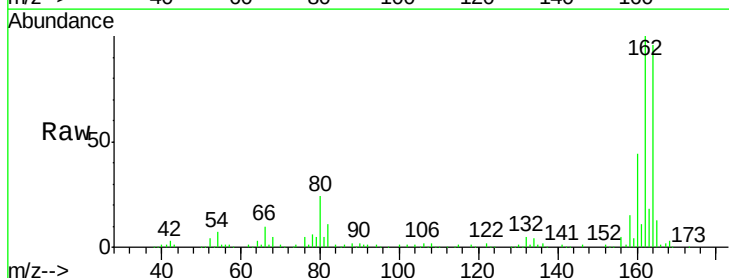
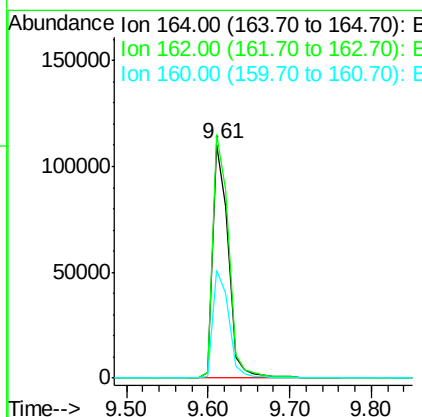
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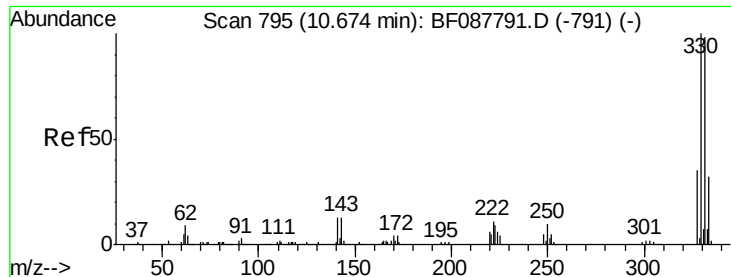
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.03 min
Lab File: BF088332.D
Acq: 24 Jun 2016 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	146954		
162	104.2	85.4	128.2	
160	46.1	39.5	59.3	





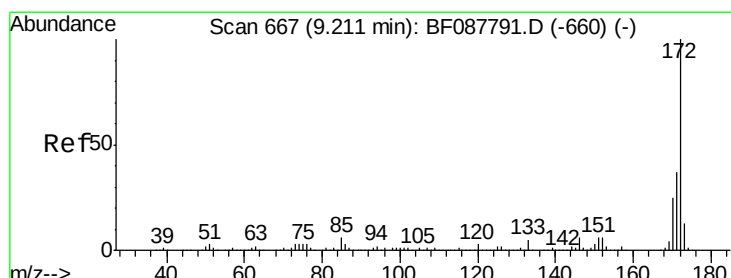
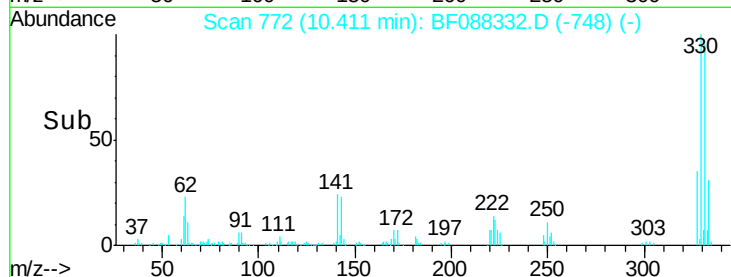
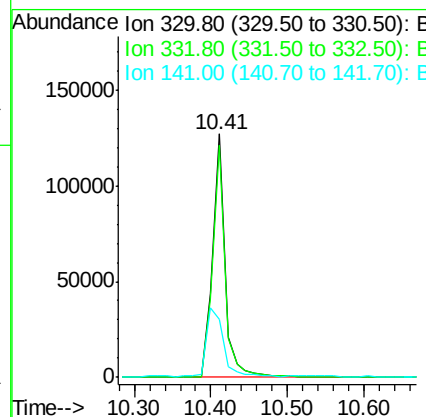
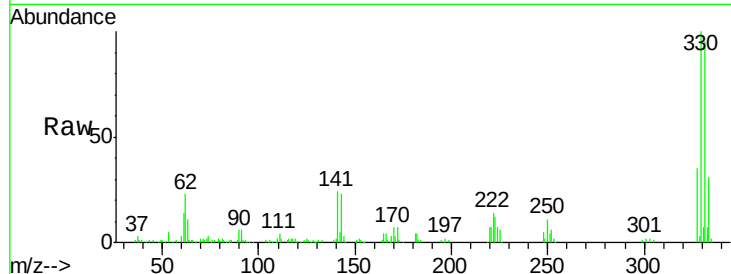
#41
 2,4,6-Tribromophenol
 Concen: 92.81 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF088332.D
 Acq: 24 Jun 2016 15:29

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1442(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	95.4	0.0	0.0#
141	38.1	0.0	0.0#

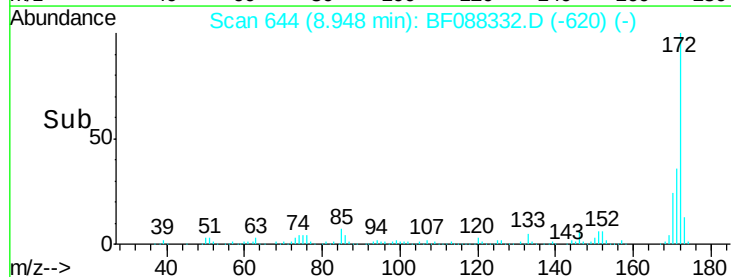
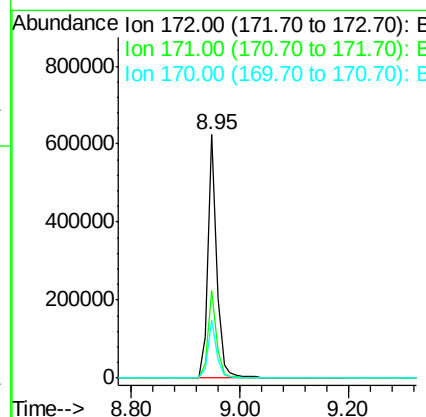
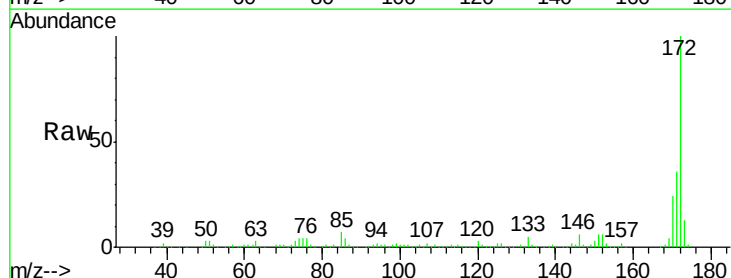
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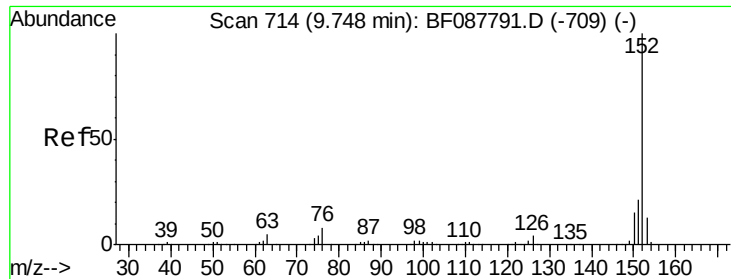
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#44
 2-Fluorobiphenyl
 Concen: 74.27 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF088332.D
 Acq: 24 Jun 2016 15:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.8	28.6	43.0
170	23.8	19.2	28.8





#48

Acenaphthylene

Concen: 3.41 ng

RT: 9.48 min Scan# 691

Delta R.T. -0.02 min

Lab File: BF088332.D

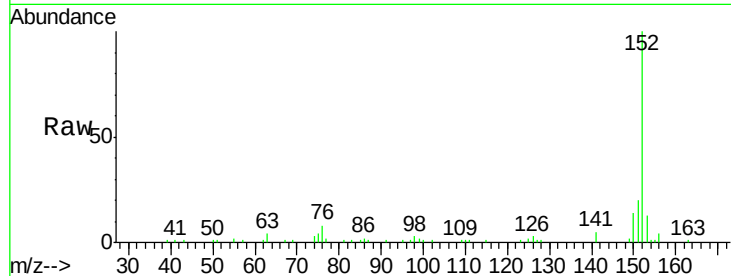
Acq: 24 Jun 2016 15:29

Instrument :

BNA_F

ClientSampleId :

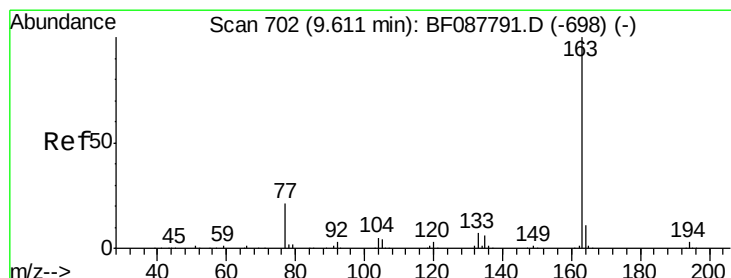
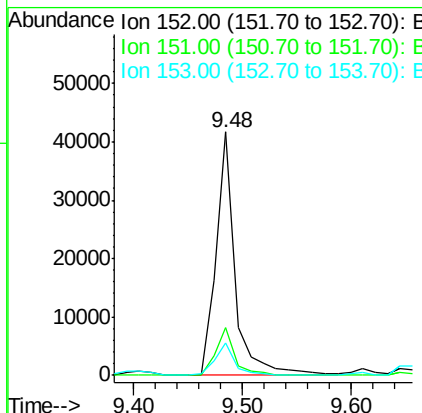
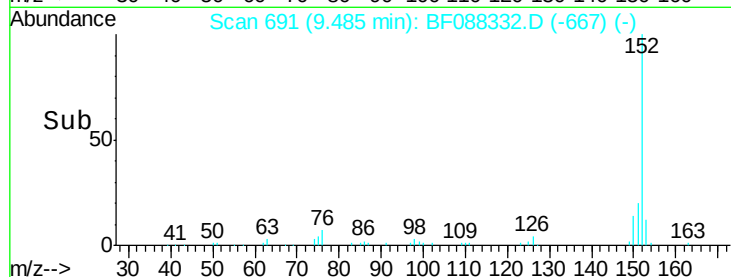
SC-STA-1442(0-4)



Tgt Ion:	152	Resp:	51588
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.2	24.4
153	13.4	11.0	16.6

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#49

Dimethylphthalate

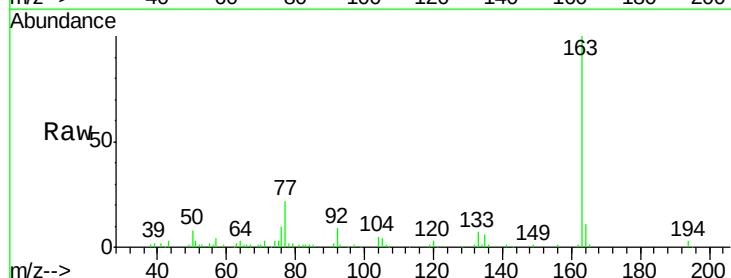
Concen: 9.62 ng

RT: 9.35 min Scan# 679

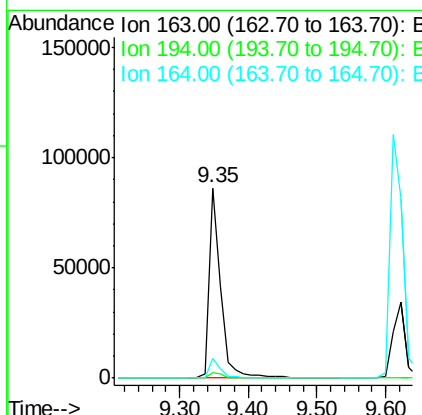
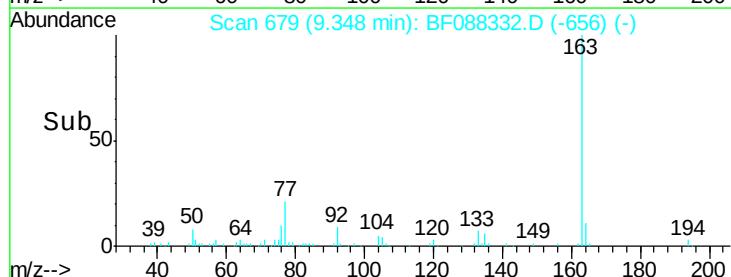
Delta R.T. -0.03 min

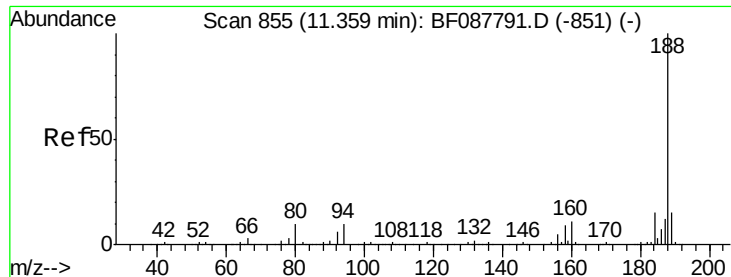
Lab File: BF088332.D

Acq: 24 Jun 2016 15:29



Tgt Ion:	163	Resp:	102384
Ion Ratio	Lower	Upper	
163	100		
194	2.8	2.8	4.2
164	10.6	8.3	12.5





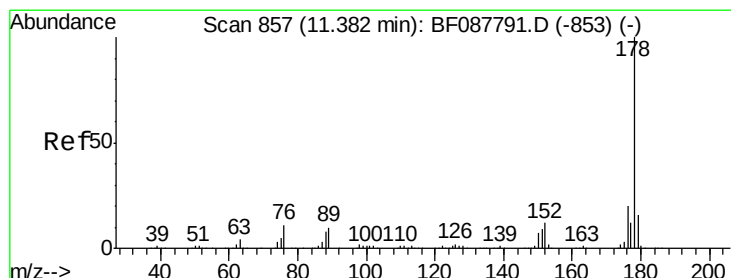
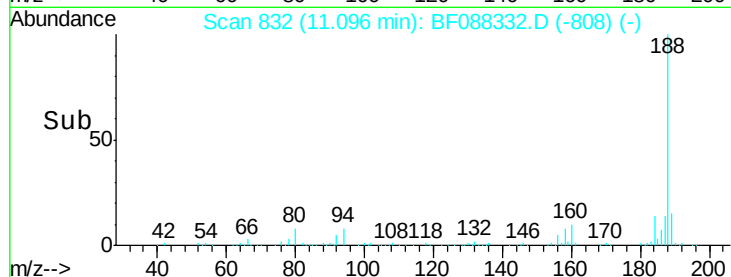
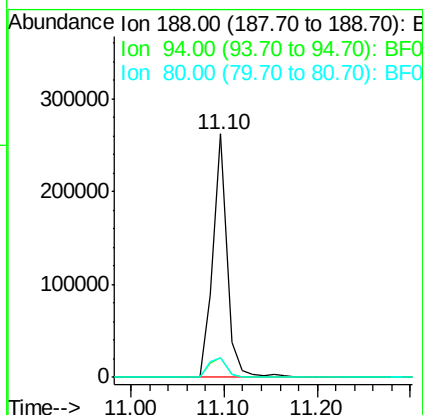
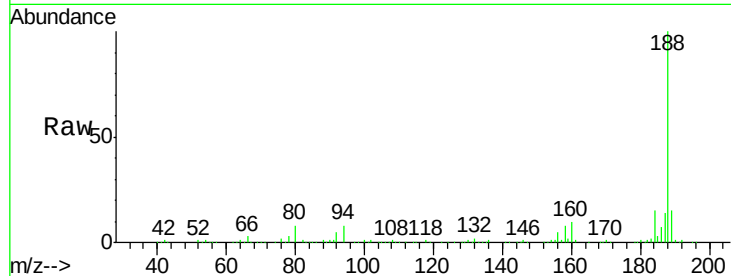
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 832
 Delta R.T. -0.02 min
 Lab File: BF088332.D
 Acq: 24 Jun 2016 15:29

Instrument :
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 SC-STA-1442(0-4)

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

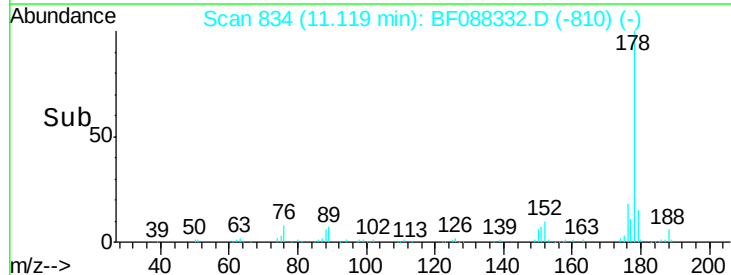
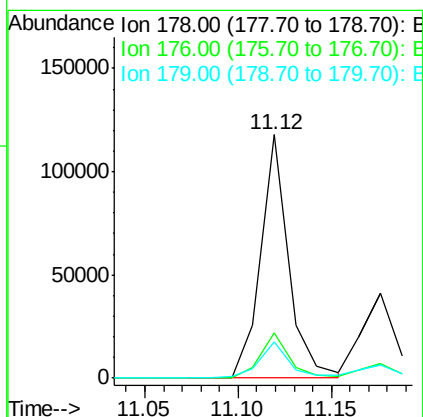
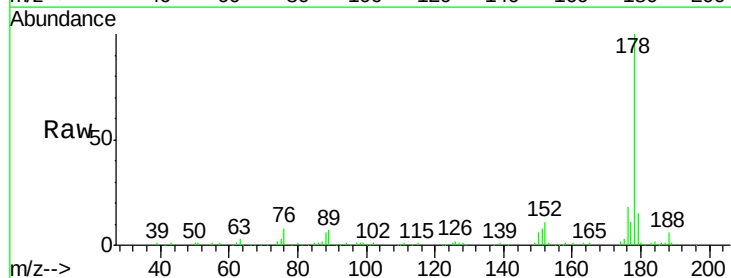
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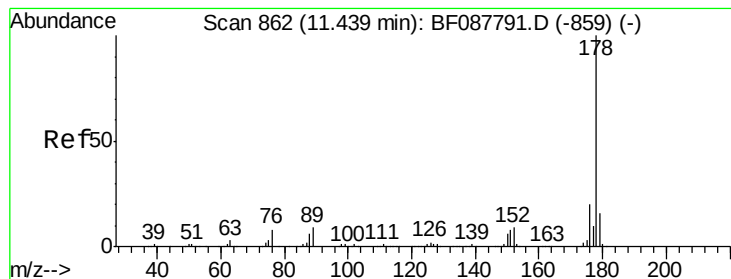
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#70
 Phenanthrene
 Concen: 8.33 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.02 min
 Lab File: BF088332.D
 Acq: 24 Jun 2016 15:29

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	15.8	23.6
179	15.0	13.0	19.4





#71

Anthracene

Concen: 3.49 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.02 min

Lab File: BF088332.D

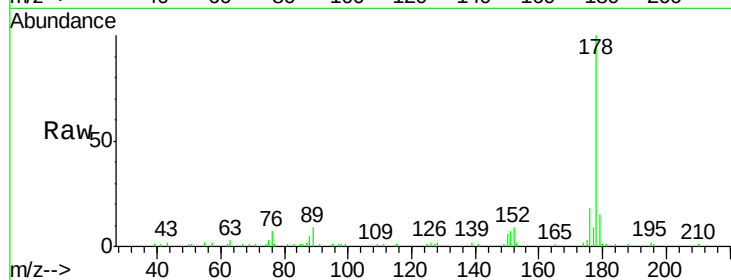
Acq: 24 Jun 2016 15:29

Instrument :

BNA_F

ClientSampleId :

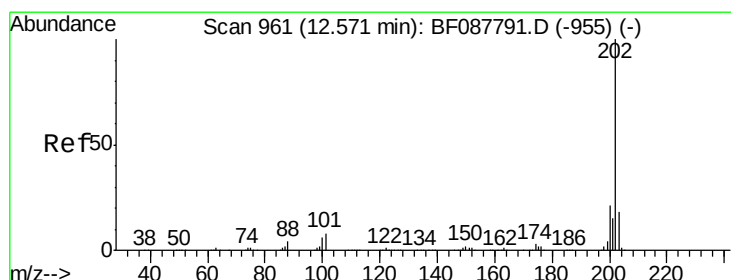
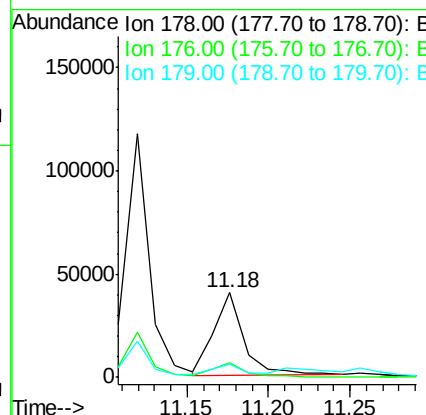
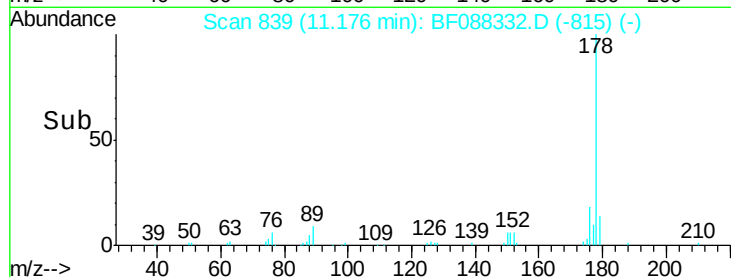
SC-STA-1442(0-4)



Tgt Ion:	178	Resp:	51737
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.6	23.4
179	15.2	12.8	19.2

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#74

Fluoranthene

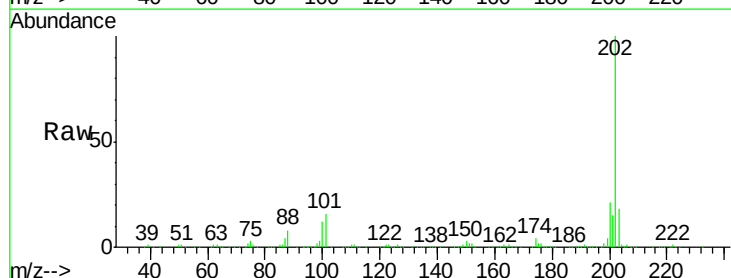
Concen: 31.90 ng

RT: 12.30 min Scan# 937

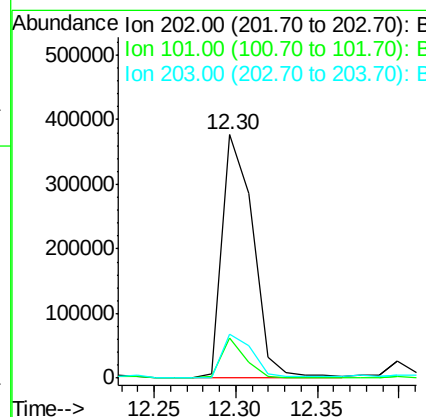
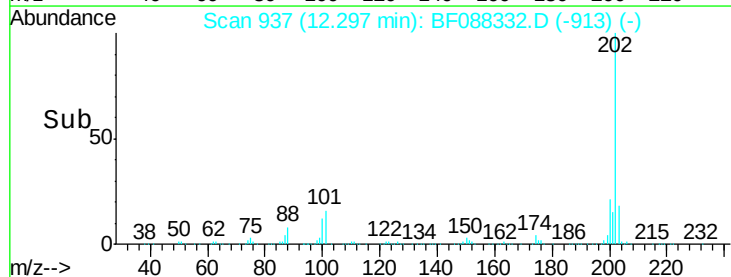
Delta R.T. -0.02 min

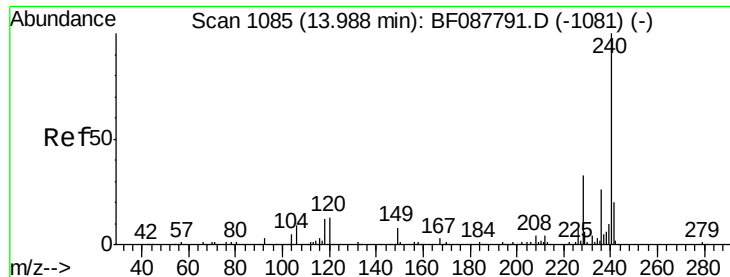
Lab File: BF088332.D

Acq: 24 Jun 2016 15:29



Tgt Ion:	202	Resp:	494656
Ion Ratio	Lower	Upper	
202	100		
101	16.2	0.0	33.1
203	17.8	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: BF088332.D

Acq: 24 Jun 2016 15:29

Instrument :

BNA_F

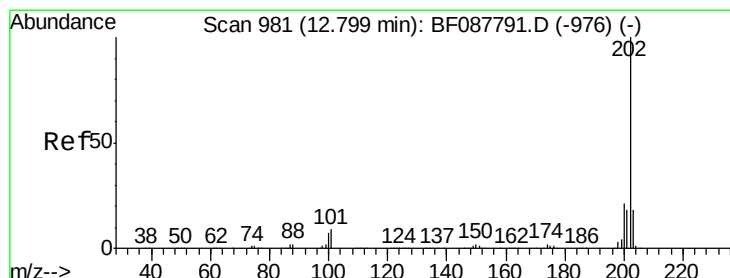
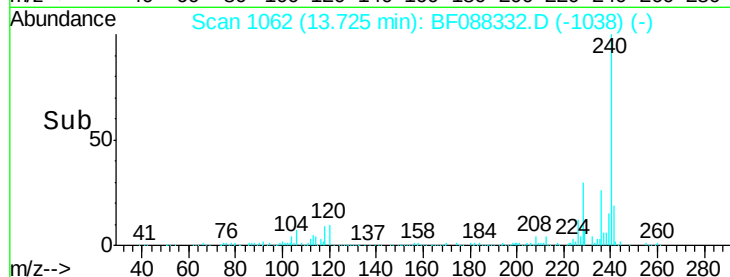
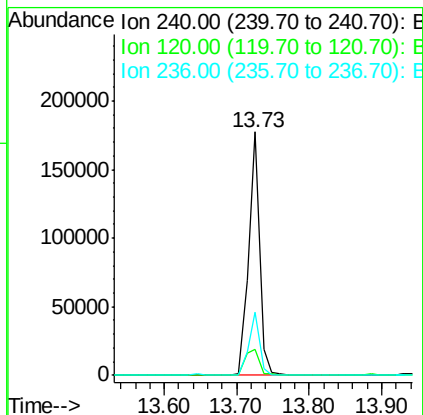
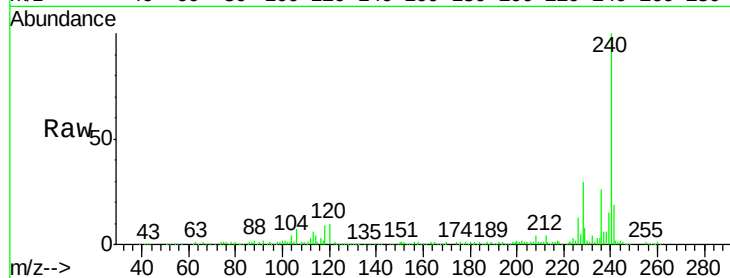
ClientSampleId :

SC-STA-1442(0-4)

Tgt Ion:	240	Resp:	188479
Ion Ratio		Lower	Upper
240	100		
120	10.5	6.8	10.2#
236	25.9	20.2	30.2

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#77

Pyrene

Concen: 33.69 ng

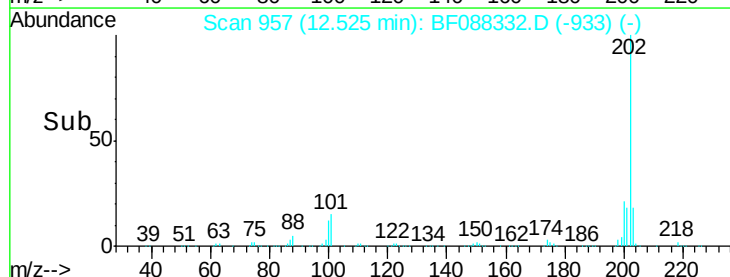
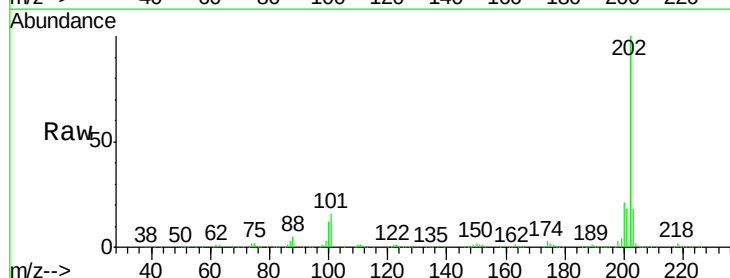
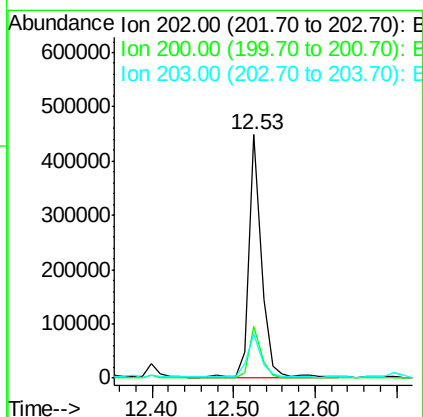
RT: 12.53 min Scan# 957

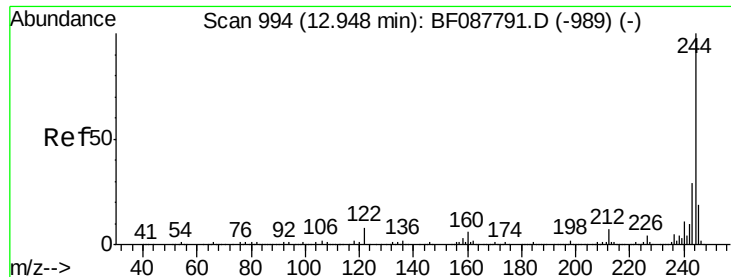
Delta R.T. -0.02 min

Lab File: BF088332.D

Acq: 24 Jun 2016 15:29

Tgt Ion:	202	Resp:	471164
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.8	14.5	21.7





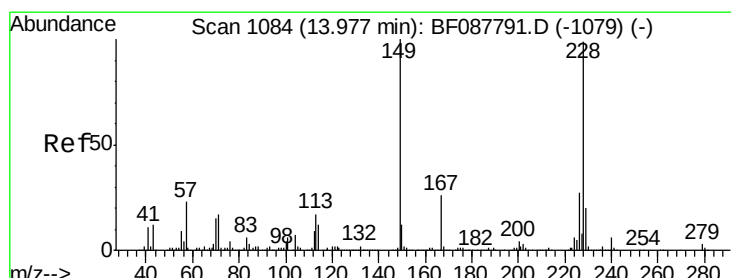
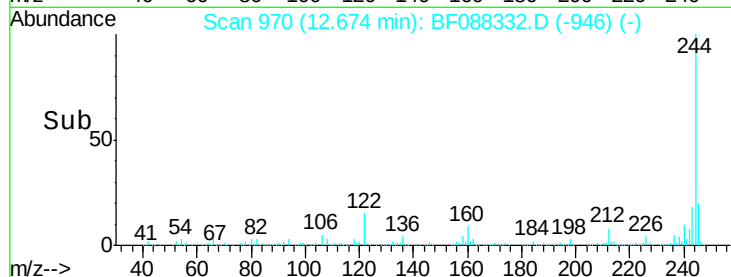
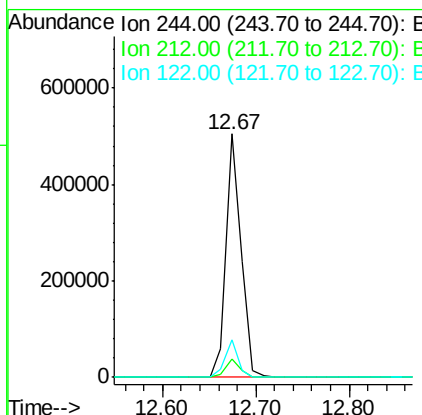
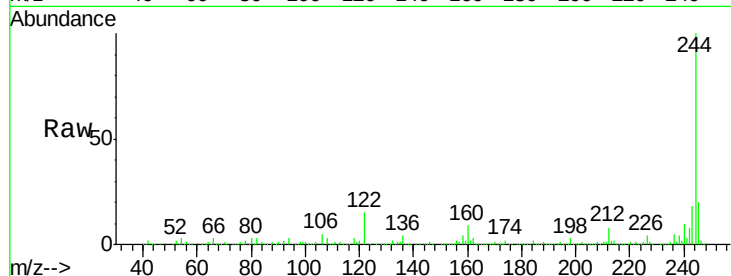
#78
 Terphenyl-d14
 Concen: 68.32 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.02 min
 Lab File: BF088332.D
 Acq: 24 Jun 2016 15:29

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1442(0-4)

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.8	6.0	9.0
122	15.2	11.2	16.8

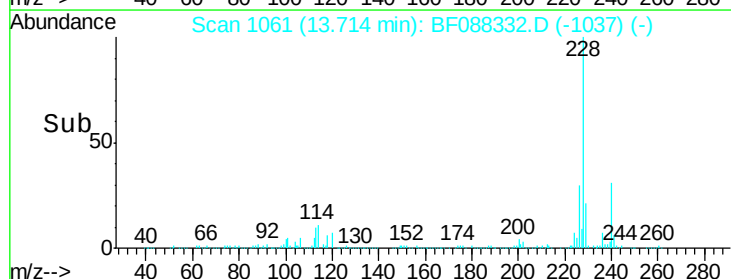
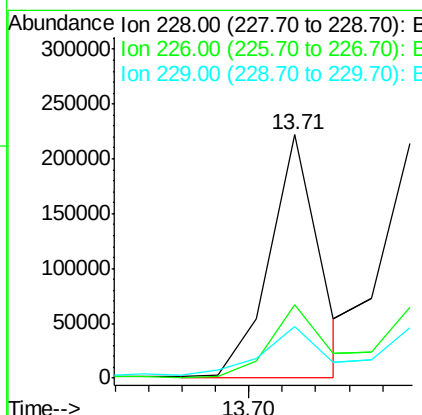
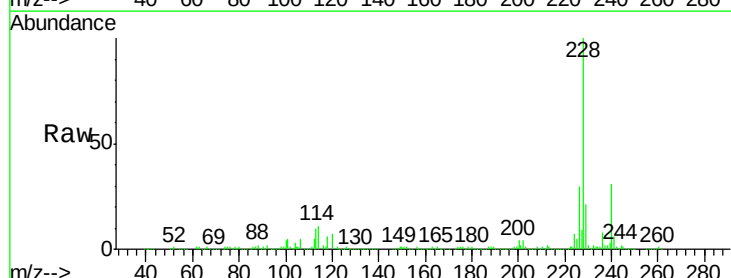
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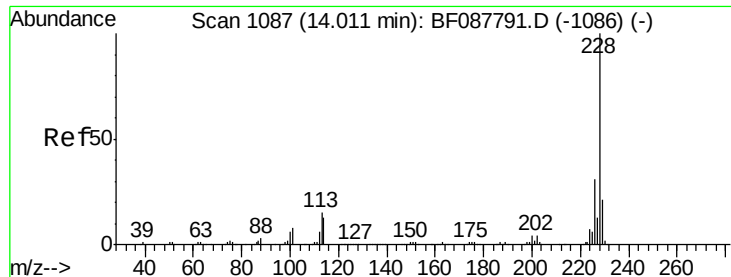
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#80
 Benzo(a)anthracene
 Concen: 21.25 ng m
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BF088332.D
 Acq: 24 Jun 2016 15:29

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.2	22.3	33.5
229	21.0	16.0	24.0





#82

Chrysene

Concen: 23.19 ng m

RT: 13.75 min Scan# 1064

Delta R.T. -0.02 min

Lab File: BF088332.D

Acq: 24 Jun 2016 15:29

Instrument :

BNA_F

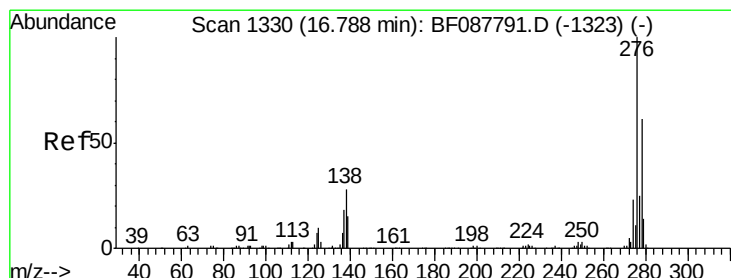
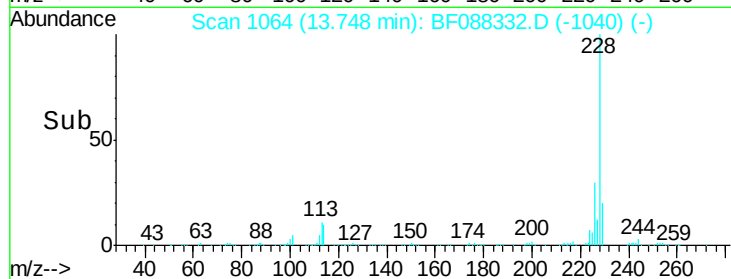
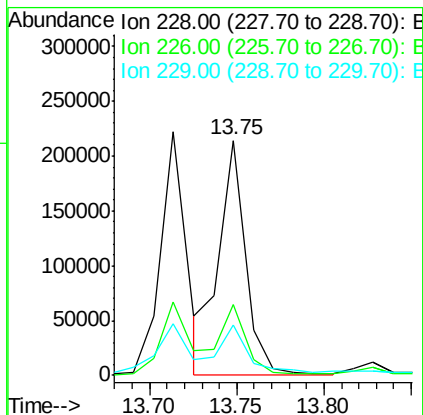
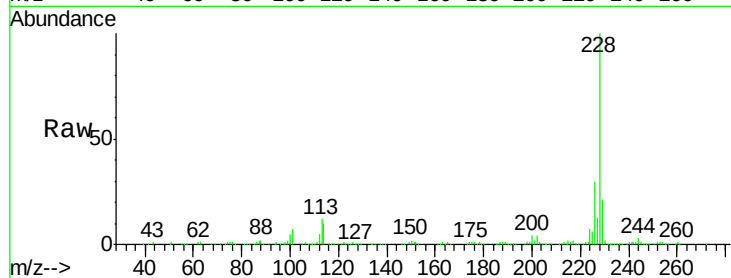
ClientSampleId :

SC-STA-1442(0-4)

Tgt Ion:	228	Resp:	234299
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.4	38.2
229	21.3	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.73 ng

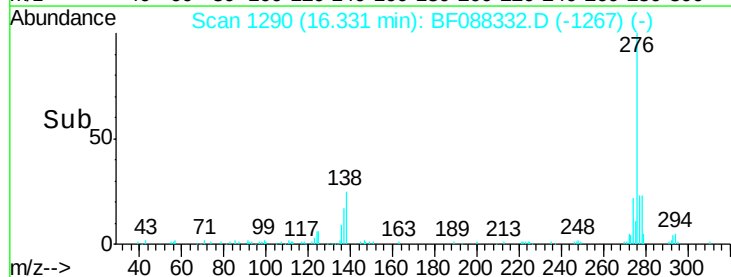
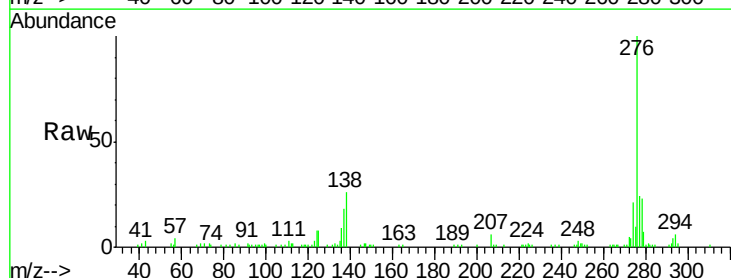
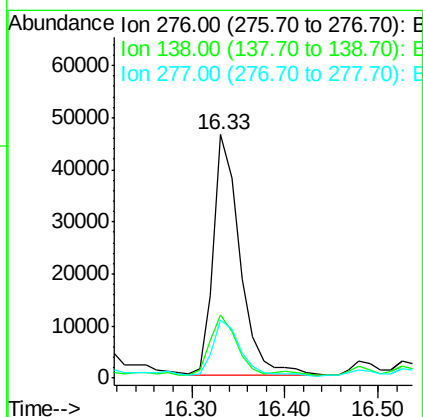
RT: 16.33 min Scan# 1290

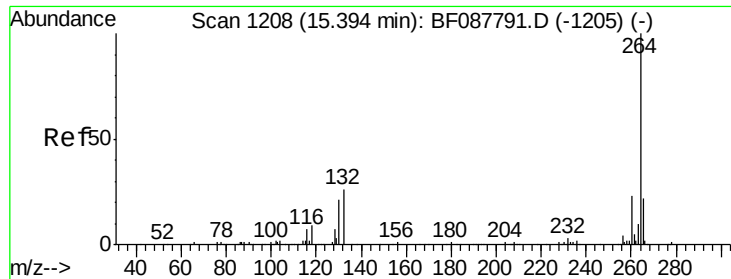
Delta R.T. -0.03 min

Lab File: BF088332.D

Acq: 24 Jun 2016 15:29

Tgt Ion:	276	Resp:	91332
Ion Ratio	Lower	Upper	
276	100		
138	24.6	0.0	0.0#
277	24.3	0.0	0.0#





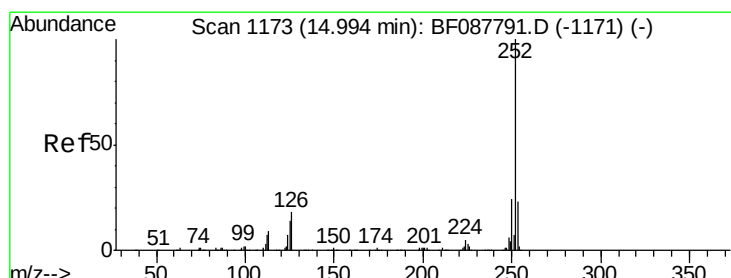
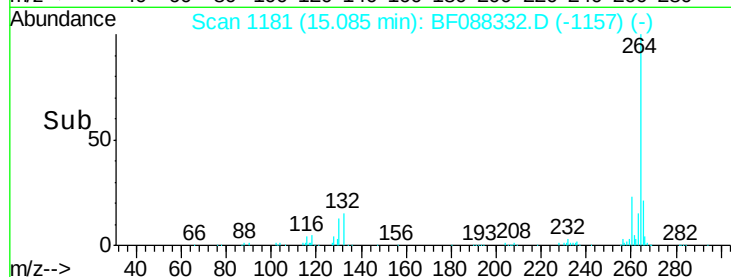
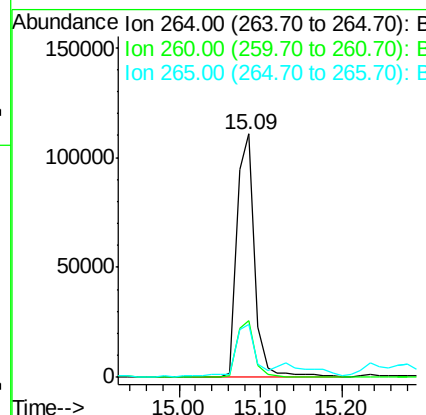
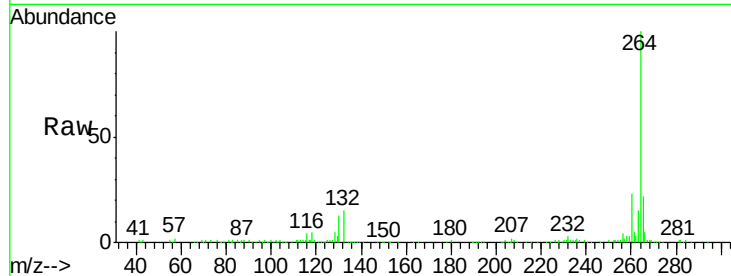
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF088332.D
 Acq: 24 Jun 2016 15:29

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1442(0-4)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.6	16.9	25.3

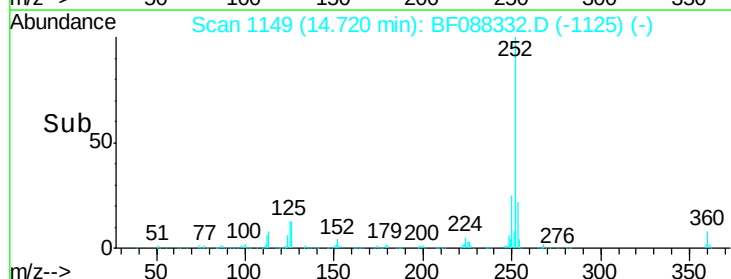
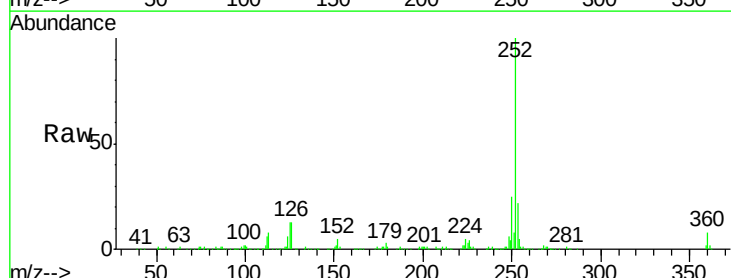
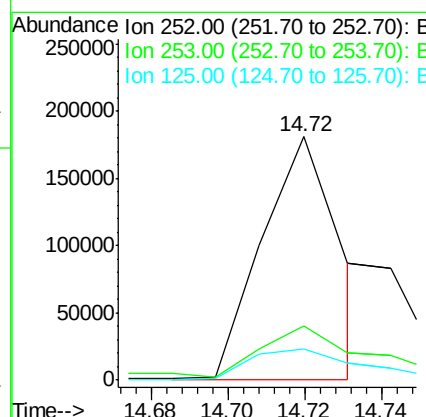
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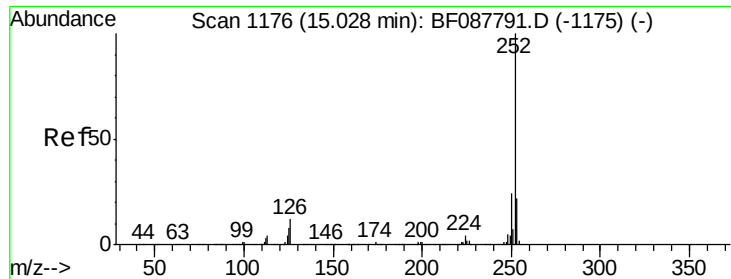
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#87
 Benzo(b)fluoranthene
 Concen: 21.75 ng m
 RT: 14.72 min Scan# 1149
 Delta R.T. -0.02 min
 Lab File: BF088332.D
 Acq: 24 Jun 2016 15:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	12.8	7.1	10.7#





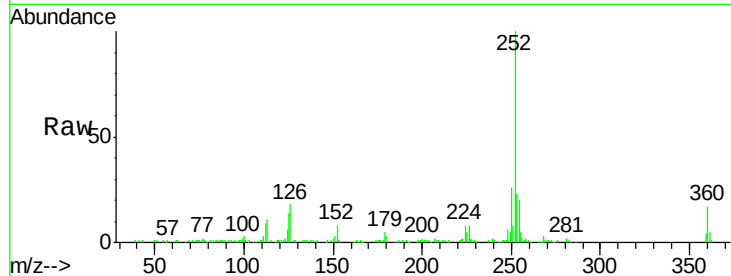
#88
Benzo(k)fluoranthene
Concen: 8.31 ng m
RT: 14.73 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF088332.D
Acq: 24 Jun 2016 15:29

Instrument :
BNA_F
ClientSampleId :
SC-STA-1442(0-4)

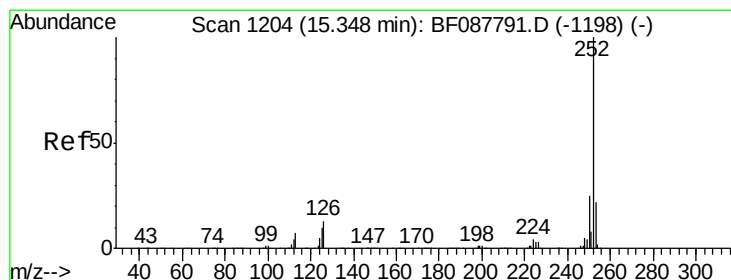
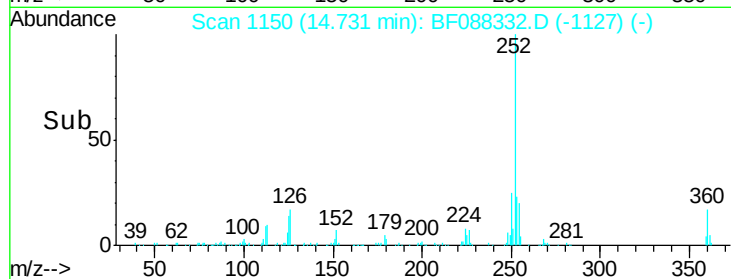
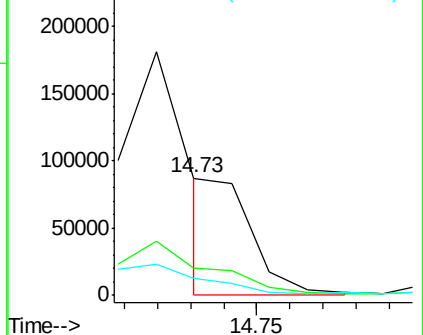
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	14.3	11.2	16.8

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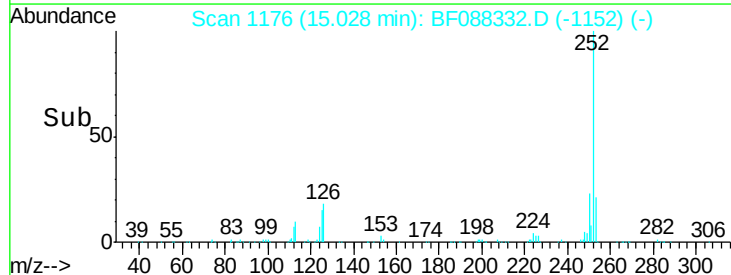
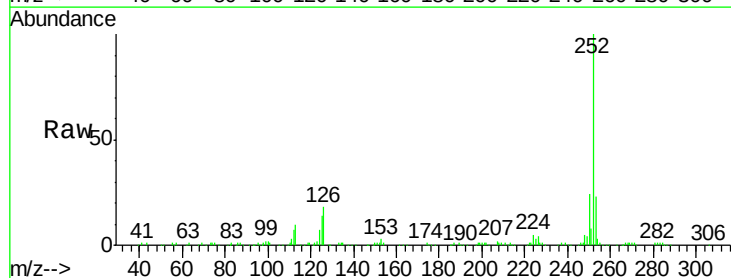
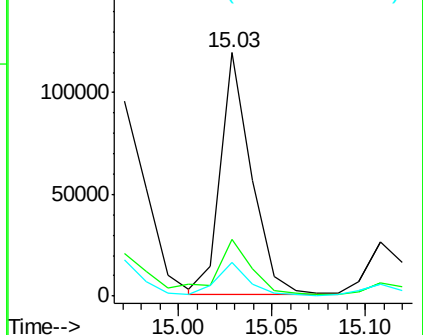
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

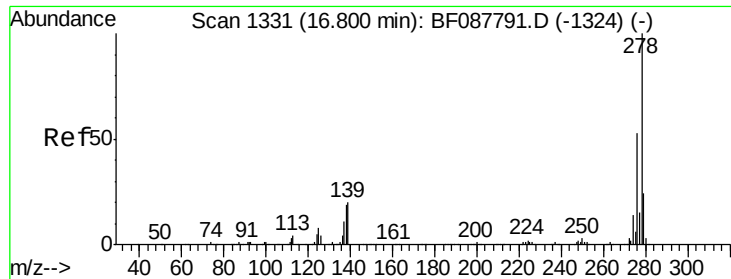


#89
Benzo(a)pyrene
Concen: 14.57 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF088332.D
Acq: 24 Jun 2016 15:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	14.0	12.5	18.7

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





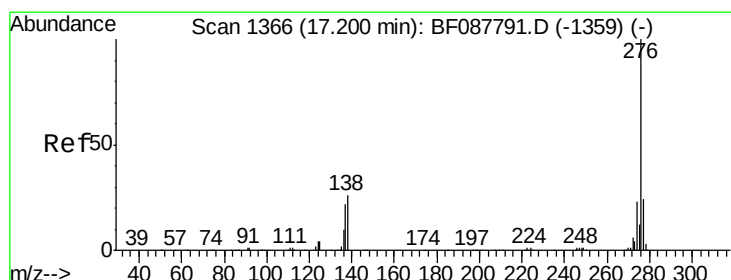
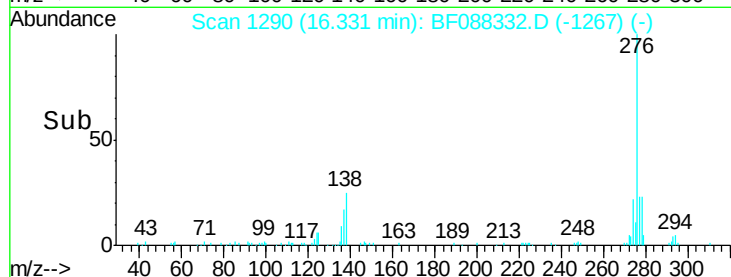
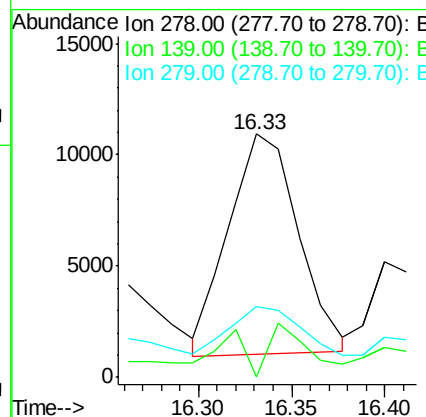
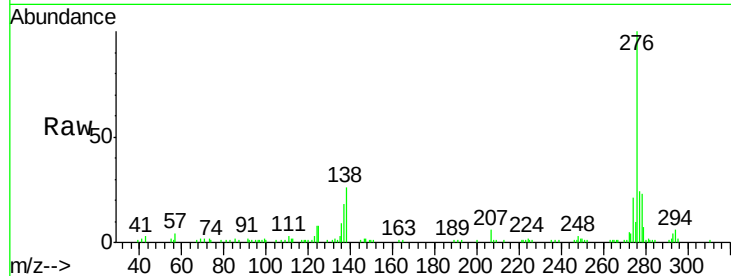
#90
Dibenzo(a,h)anthracene
Concen: 2.92 ng
RT: 16.33 min Scan# 1290
Delta R.T. -0.03 min
Lab File: BF088332.D
Acq: 24 Jun 2016 15:29

Instrument :
BNA_F
ClientSampleId :
SC-STA-1442(0-4)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	29.3	19.4	29.2#

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#91
Benzo(g,h,i)perylene
Concen: 8.95 ng
RT: 16.71 min Scan# 1323
Delta R.T. -0.03 min
Lab File: BF088332.D
Acq: 24 Jun 2016 15:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.9	28.3
138	27.2	21.4	32.2

