

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088430.D
 Acq On : 26 Jun 2016 20:53
 Operator : UM/SJ
 Sample : H3663-03 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-1

Manual Integrations
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Quant Time: Jun 27 18:42:57 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	81844	20.00	ng	-0.06
21) Naphthalene-d8	7.83	136	331975	20.00	ng	-0.07
38) Acenaphthene-d10	9.58	164	152318	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	251772	20.00	ng	-0.07
75) Chrysene-d12	13.68	240	168441	20.00	ng	-0.07
86) Perylene-d12	15.03	264	169513	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	234049	48.89	ng	-0.05
7) Phenol-d6	6.22	99	313000	53.95	ng	-0.05
23) Nitrobenzene-d5	7.12	82	197168	34.68	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	65809	40.92	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	400447	38.25	ng	-0.06
78) Terphenyl-d14	12.63	244	264769	35.77	ng	-0.07
Target Compounds						Qvalue
31) Naphthalene	7.85	128	57887	3.52	ng	98
49) Dimethylphthalate	9.31	163	88827	8.05	ng	99
51) Acenaphthene	9.61	154	67657	6.92	ng	98
54) Dibenzofuran	9.78	168	40704	3.02	ng	92
70) Phenanthrene	11.07	178	499413	37.80	ng	100
71) Anthracene	11.13	178	155345	11.66	ng	98
72) Carbazole	11.29	167	95521	7.66	ng	99
74) Fluoranthene	12.26	202	698426	50.09	ng	99
77) Pyrene	12.49	202	655754	52.46	ng	99
80) Benzo(a)anthracene	13.67	228	398557	41.52	ng	97
82) Chrysene	13.70	228	318589	35.28	ng	97
85) Indeno(1,2,3-cd)pyrene	16.26	276	231646	27.61	ng	# 100
87) Benzo(b)fluoranthene	14.67	252	470422m	39.82	ng	
88) Benzo(k)fluoranthene	14.69	252	226741m	25.44	ng	
89) Benzo(a)pyrene	14.98	252	372551	38.97	ng	97
90) Dibenzo(a,h)anthracene	16.25	278	44298m	4.99	ng	
91) Benzo(g,h,i)perylene	16.63	276	217234	23.79	ng	95

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

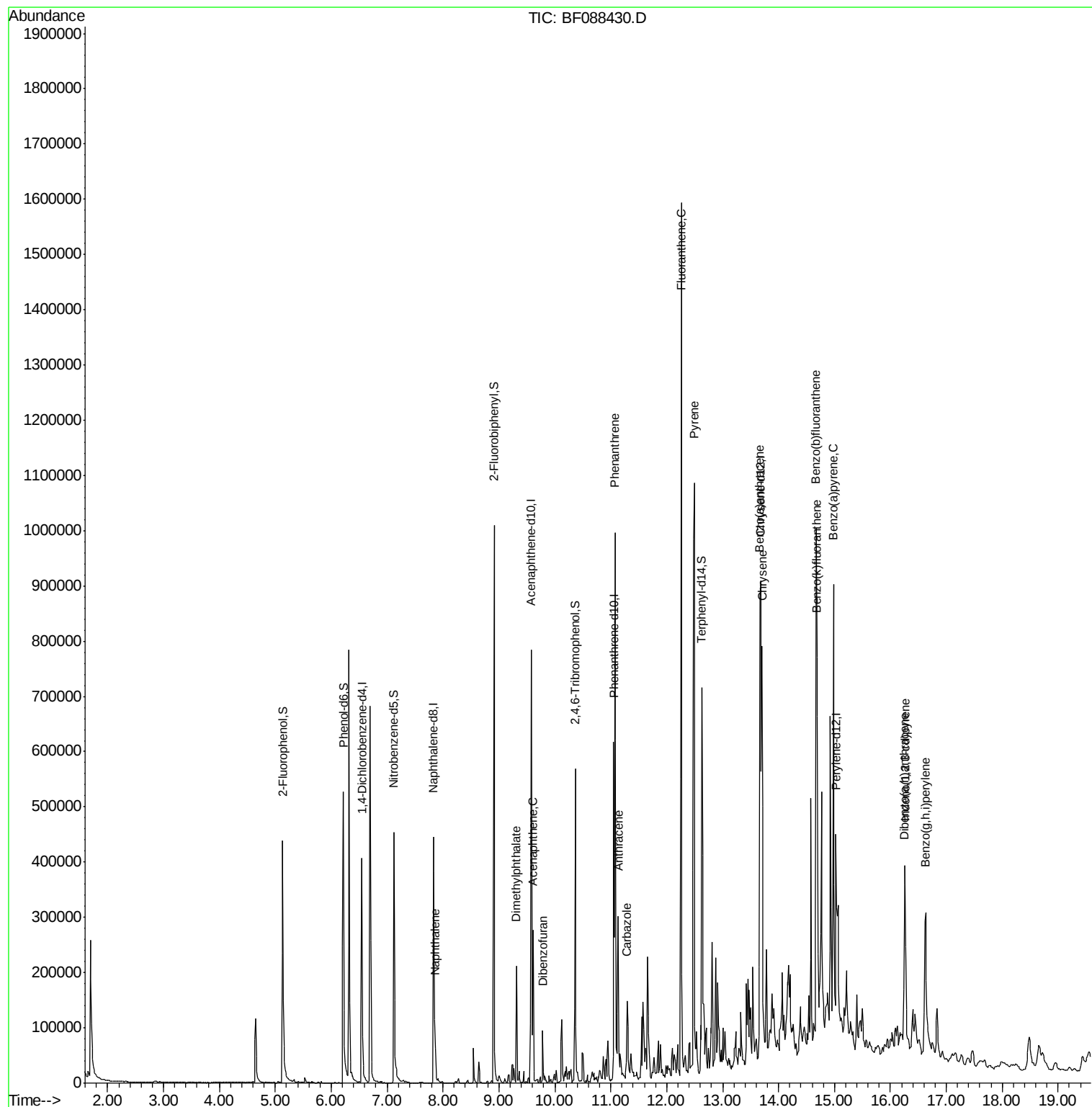
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
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ALS Vial : 20 Sample Multiplier: 1

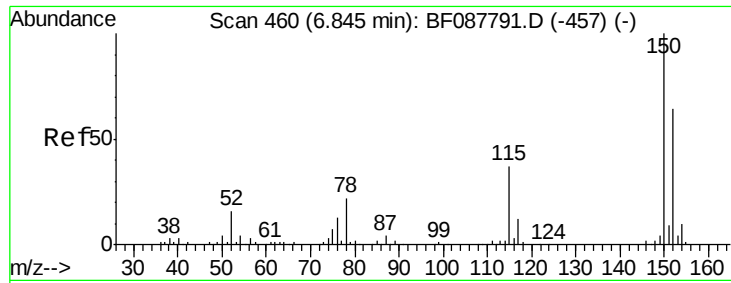
Instrument :
BNA_F
ClientSampleId :
SS-1

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#1

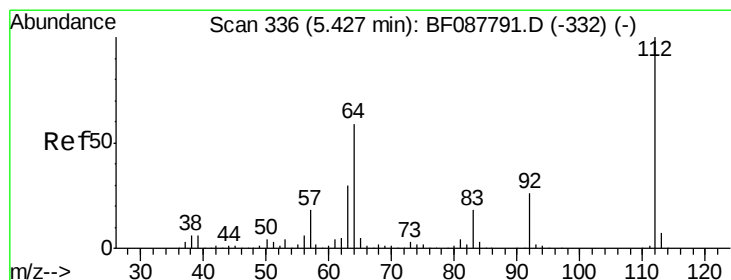
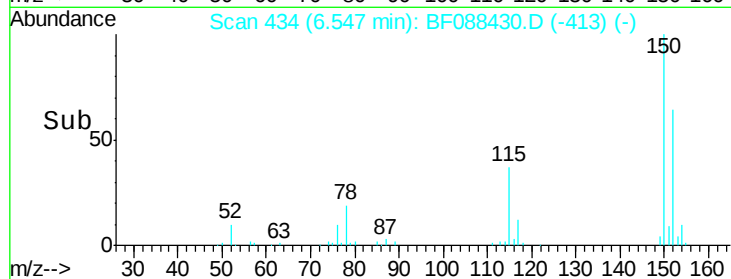
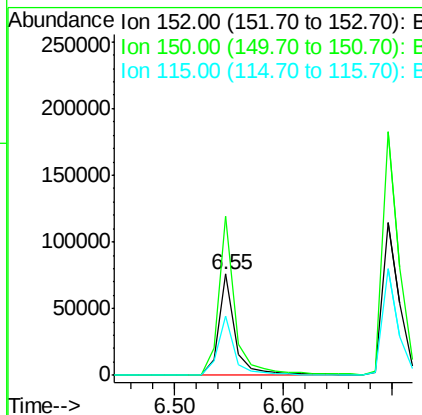
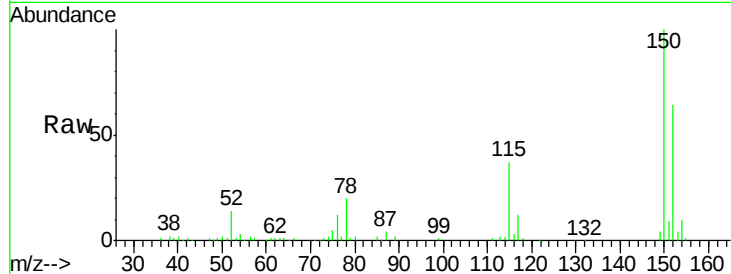
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. -0.06 min
Lab File: BF088430.D
Acq: 26 Jun 2016 20:53

Instrument :
BNA_F
ClientSampled :
SS-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	123.8	185.6
115	58.1	39.6	59.4

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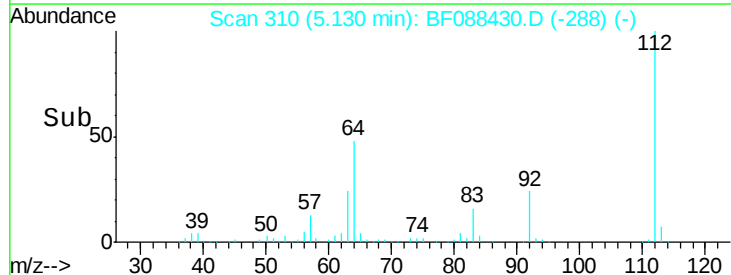
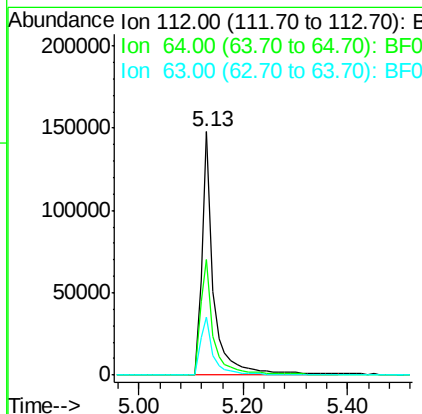
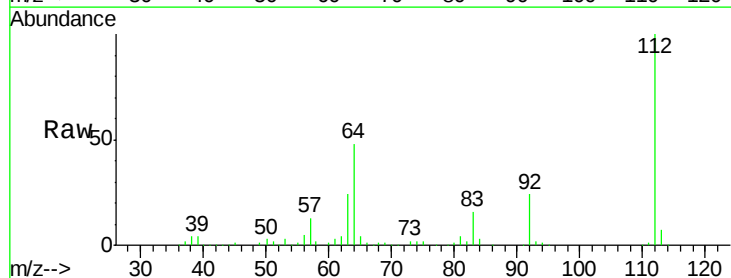
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#5

2-Fluorophenol
Concen: 48.89 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.05 min
Lab File: BF088430.D
Acq: 26 Jun 2016 20:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.7	42.2	63.2
63	24.0	21.8	32.8





#7

Phenol-d6

Concen: 53.95 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088430.D

Acq: 26 Jun 2016 20:53

Instrument :

BNA_F

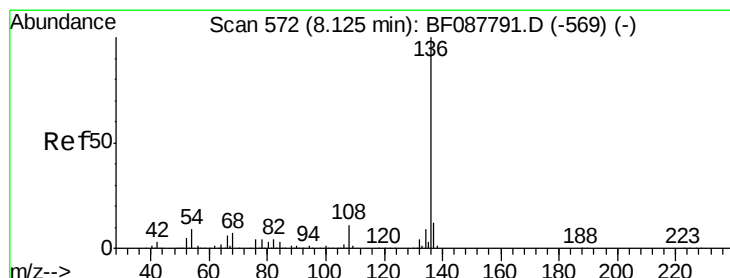
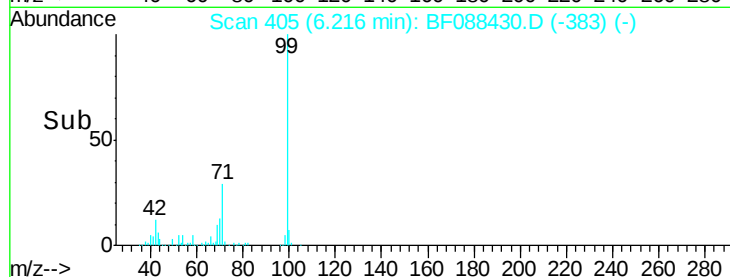
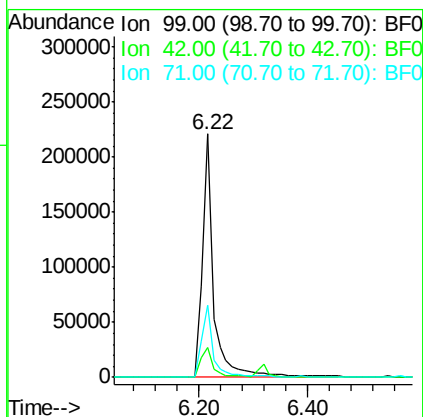
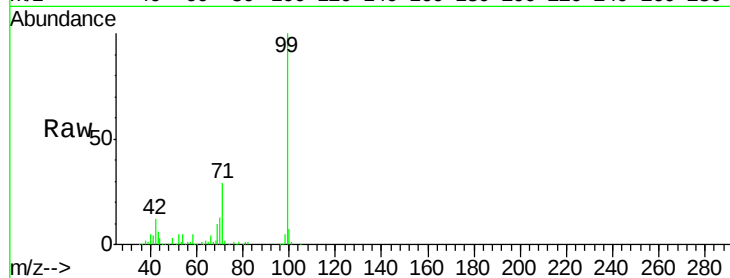
ClientSampled :

SS-1

Tot Ion:	99	Resp:	313000
Ion	Ratio	Lower	Upper
99	100		
42	12.2	12.2	18.2
71	29.4	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

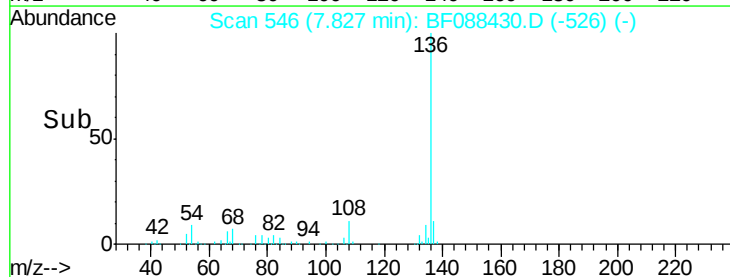
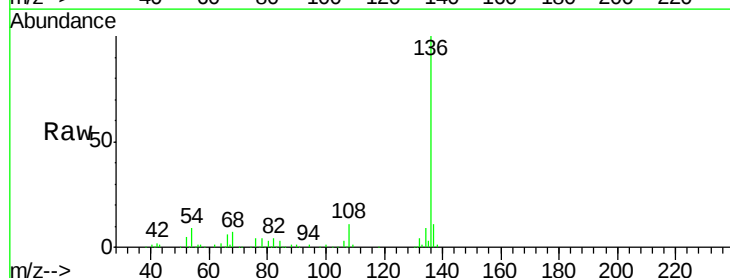
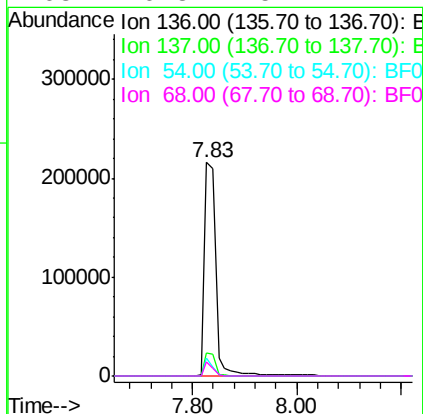
RT: 7.83 min Scan# 546

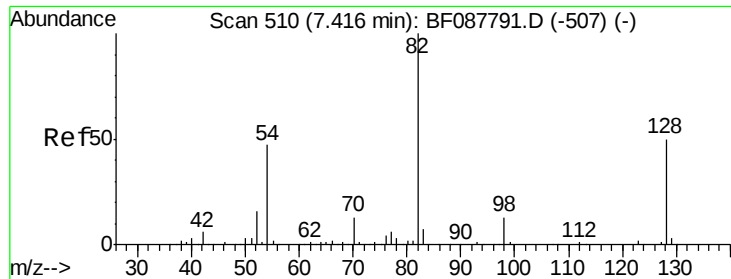
Delta R.T. -0.07 min

Lab File: BF088430.D

Acq: 26 Jun 2016 20:53

Tgt Ion:	136	Resp:	331975
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	8.7	6.6	10.0
68	6.8	5.1	7.7





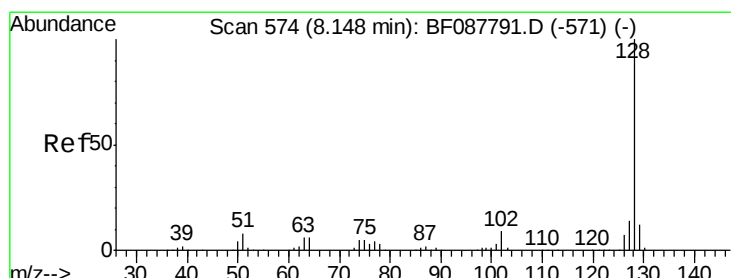
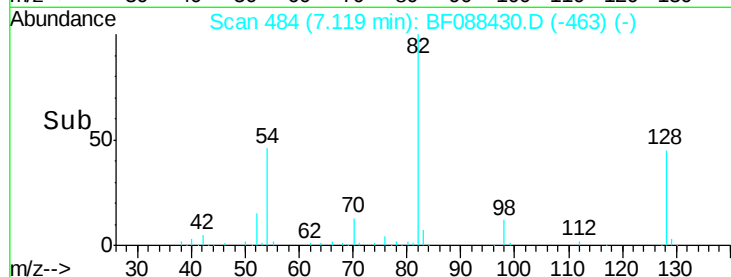
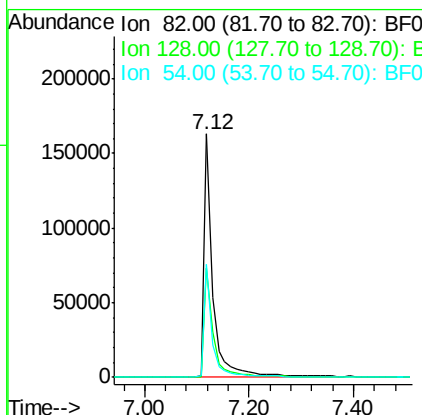
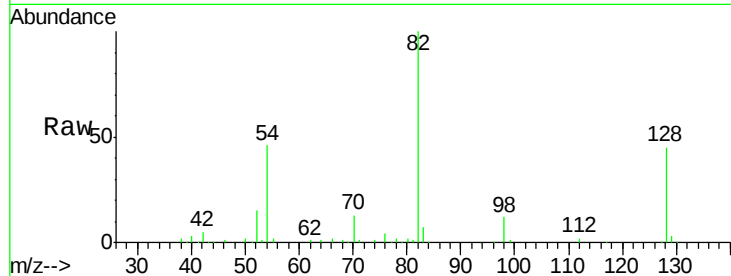
#23
 Nitrobenzene-d5
 Concen: 34.68 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.06 min
 Lab File: BF088430.D
 Acq: 26 Jun 2016 20:53

Instrument :
 BNA_F
 ClientSampled :
 SS-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.9	53.9
54	46.2	40.9	61.3

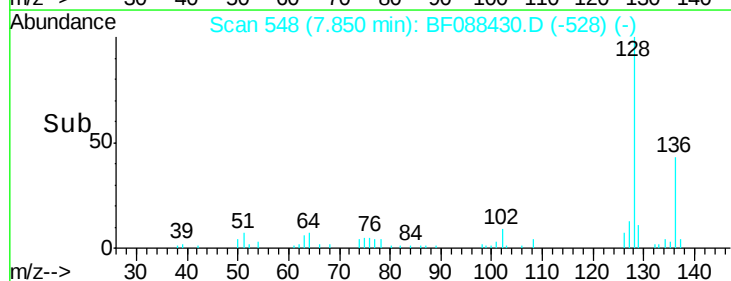
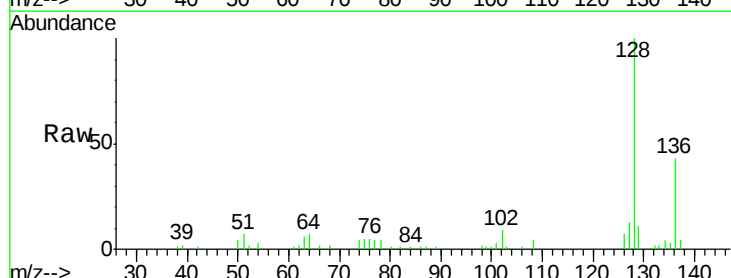
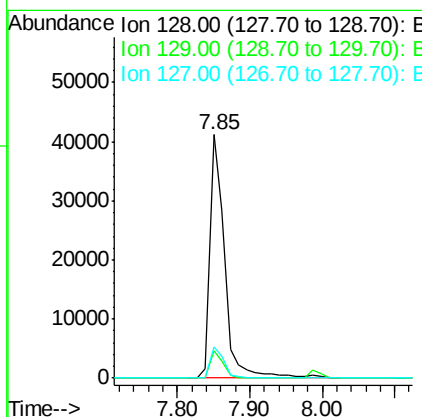
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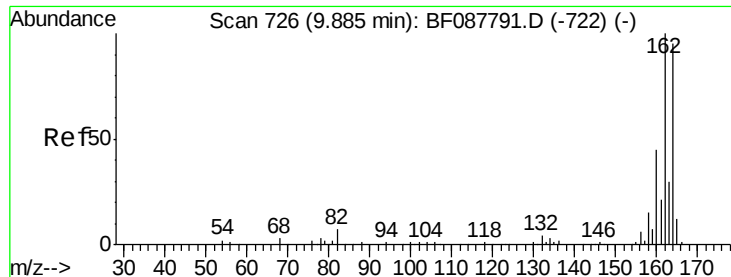
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#31
 Naphthalene
 Concen: 3.52 ng
 RT: 7.85 min Scan# 548
 Delta R.T. -0.07 min
 Lab File: BF088430.D
 Acq: 26 Jun 2016 20:53

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.4	14.2
127	12.6	10.9	16.3





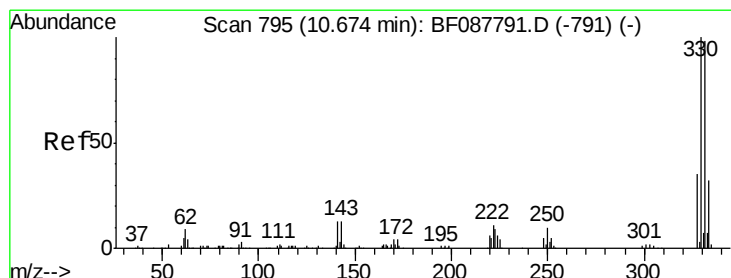
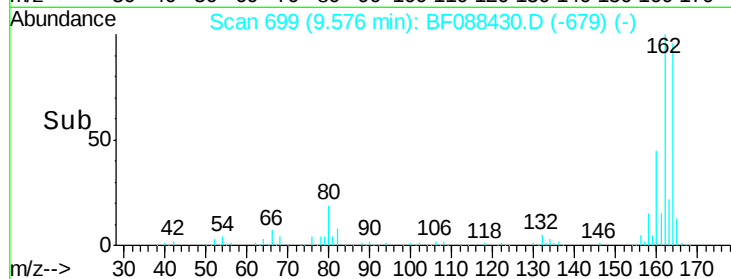
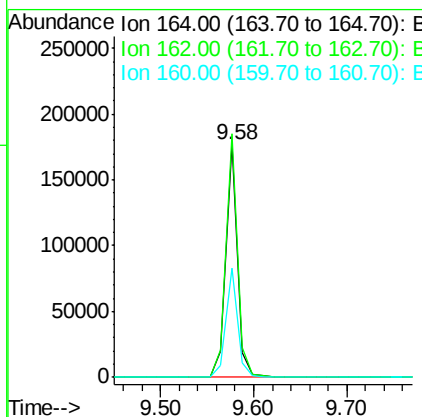
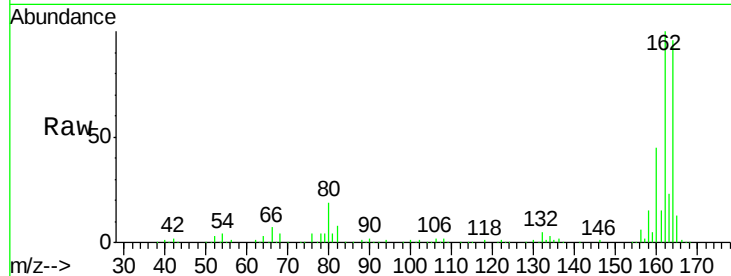
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.07 min
Lab File: BF088430.D
Acq: 26 Jun 2016 20:53

Instrument :
BNA_F
ClientSampled :
SS-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.4	85.4	128.2
160	46.7	39.5	59.3

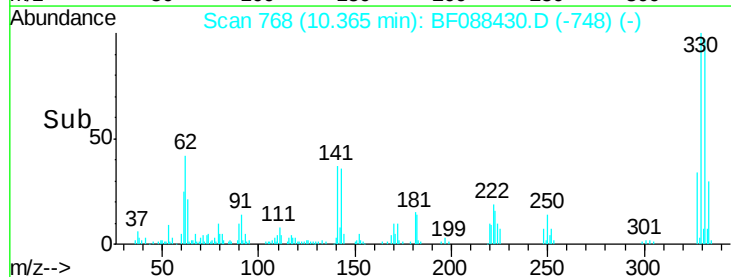
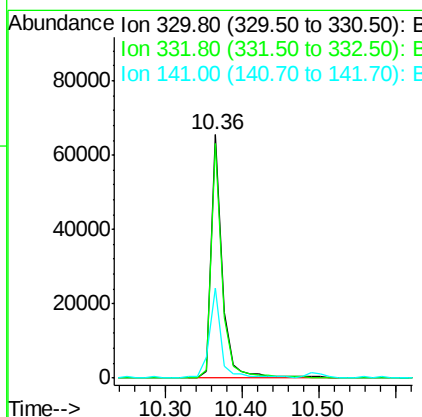
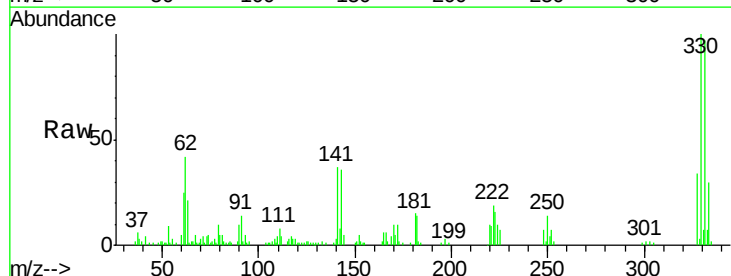
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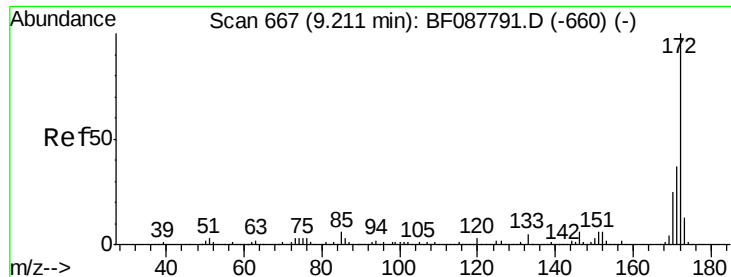
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#41
2,4,6-Tribromophenol
Concen: 40.92 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.07 min
Lab File: BF088430.D
Acq: 26 Jun 2016 20:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	0.0	0.0#
141	40.2	0.0	0.0#





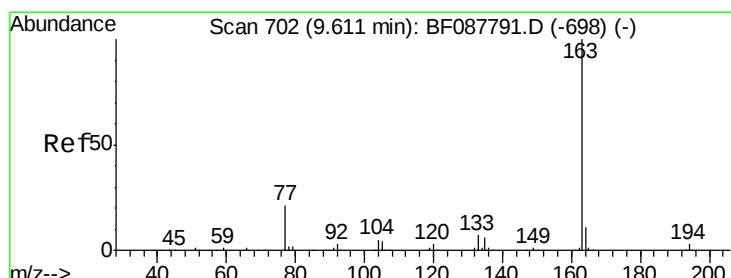
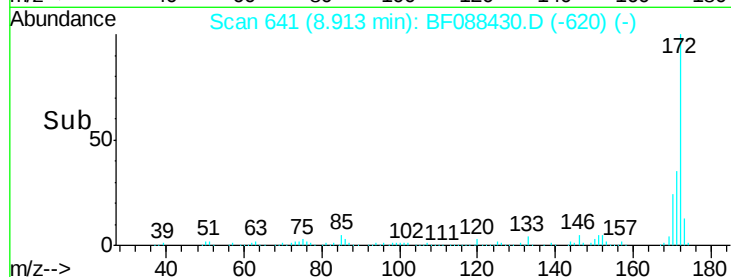
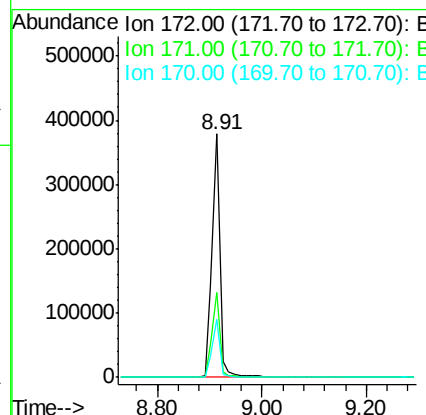
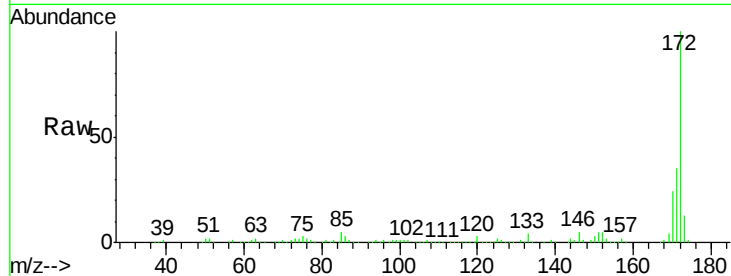
#44
2-Fluorobiphenyl
Concen: 38.25 ng
RT: 8.91 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF088430.D
Acq: 26 Jun 2016 20:53

Instrument :
BNA_F
ClientSampled :
SS-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.6	19.2	28.8

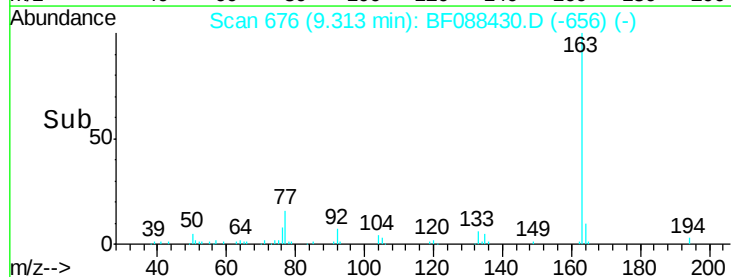
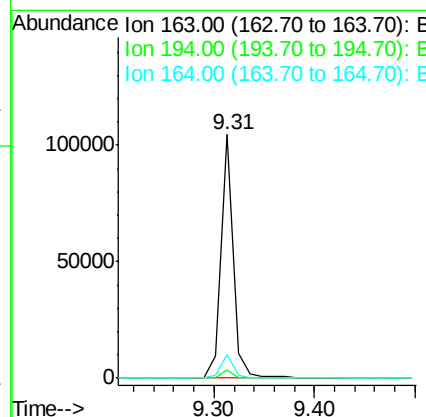
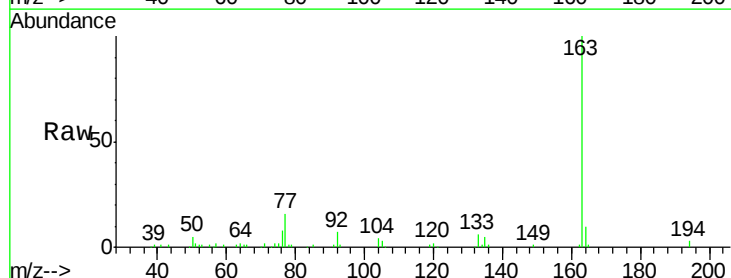
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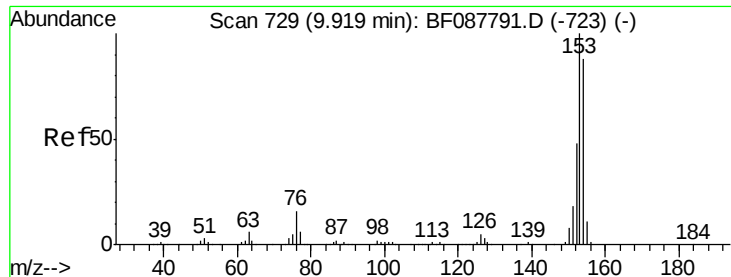
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#49
Dimethylphthalate
Concen: 8.05 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.07 min
Lab File: BF088430.D
Acq: 26 Jun 2016 20:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	9.9	8.3	12.5





#51

Acenaphthene

Concen: 6.92 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.07 min

Lab File: BF088430.D

Acq: 26 Jun 2016 20:53

Instrument :

BNA_F

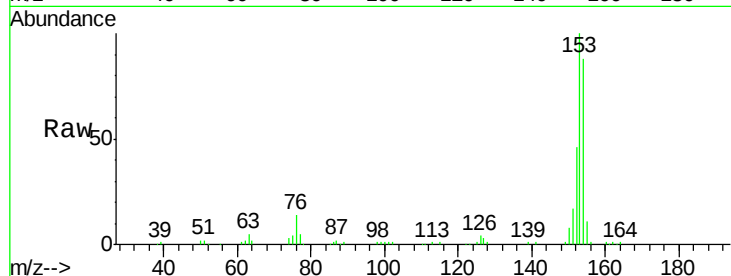
ClientSampled :

SS-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.1	89.5	134.3
152	52.9	42.7	64.1

Manual Integrations
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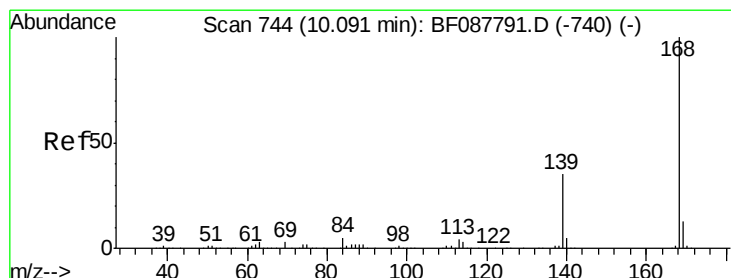
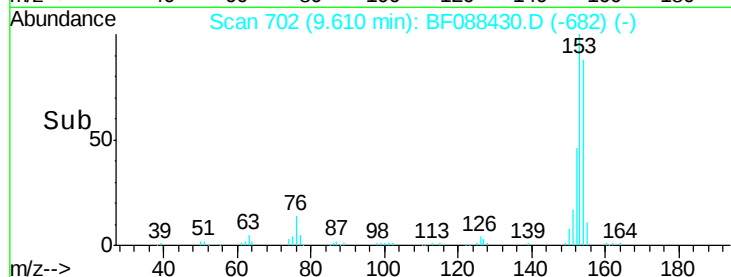
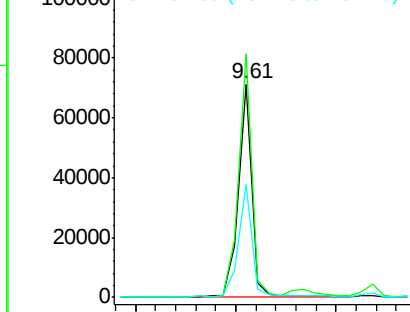
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.02 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.07 min

Lab File: BF088430.D

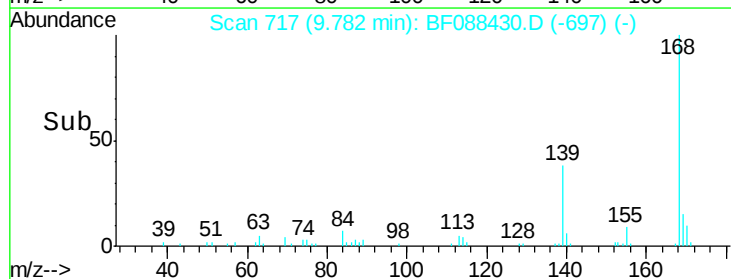
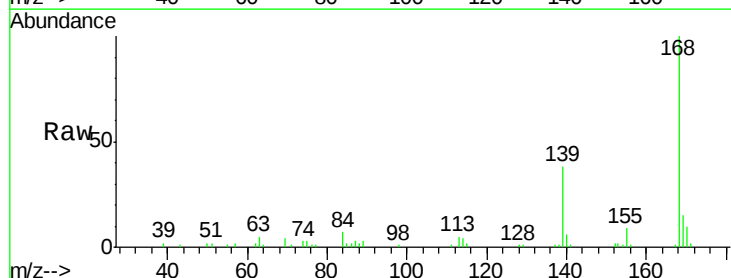
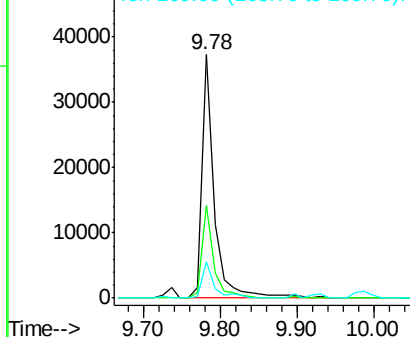
Acq: 26 Jun 2016 20:53

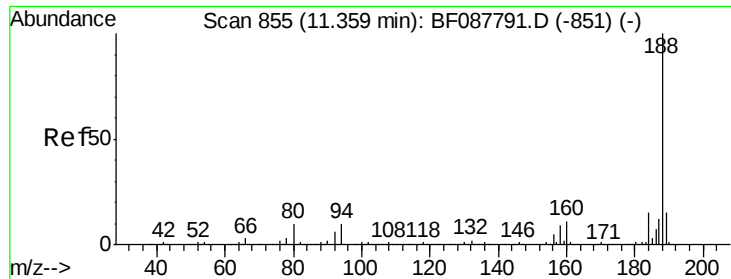
Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.8	26.4	39.6
169	15.0	10.4	15.6

Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





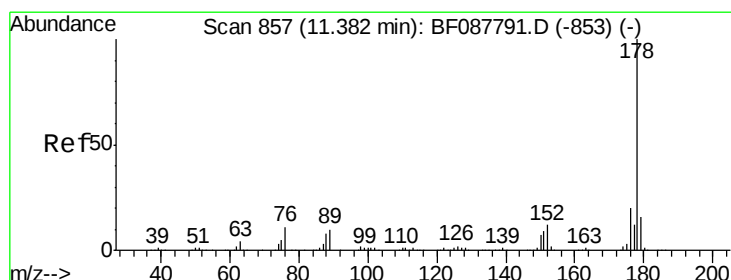
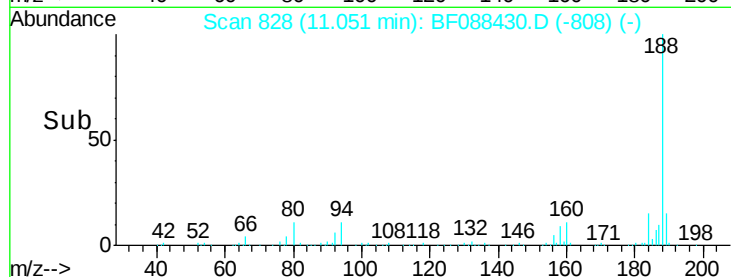
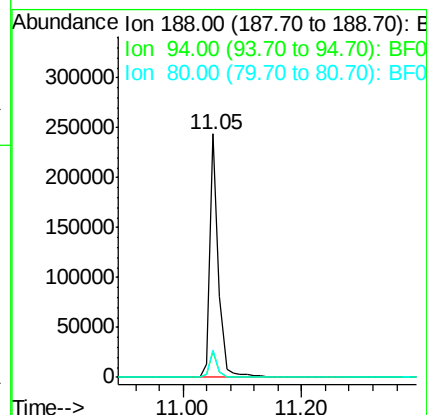
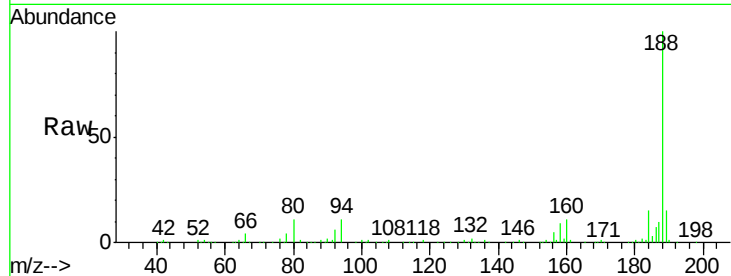
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.07 min
Lab File: BF088430.D
Acq: 26 Jun 2016 20:53

Instrument :
BNA_F
ClientSampleId :
SS-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	251772		
94	10.7		9.0	13.6
80	11.5		10.0	15.0

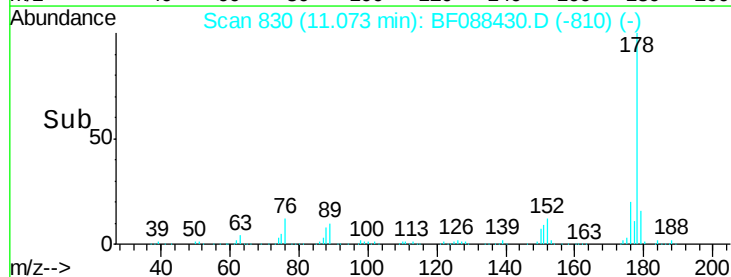
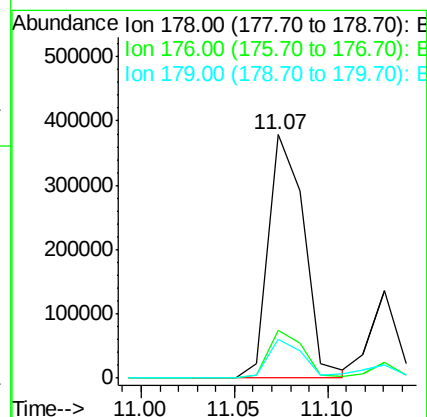
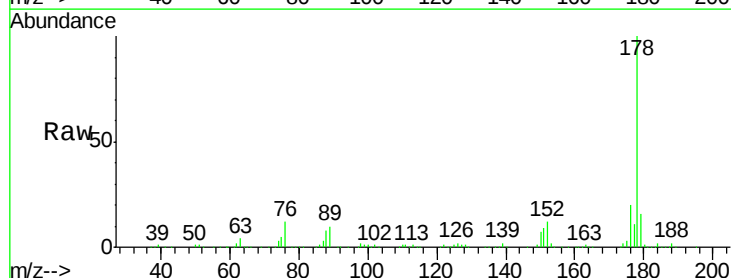
Manual Integrations
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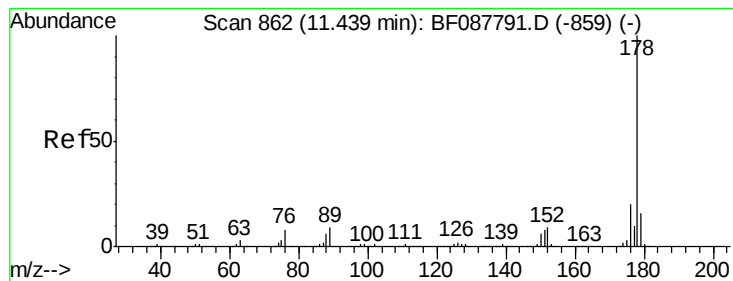
sohil
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#70
Phenanthrene
Concen: 37.80 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.07 min
Lab File: BF088430.D
Acq: 26 Jun 2016 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	499413		
176	19.7		15.8	23.6
179	15.9		13.0	19.4





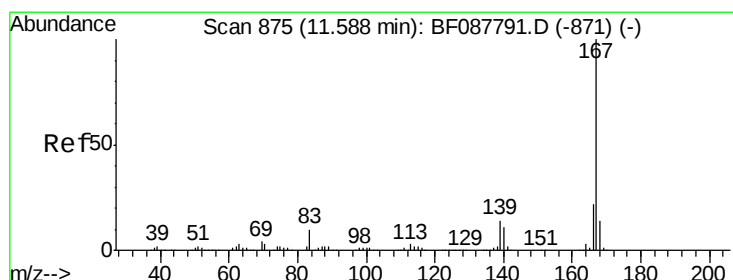
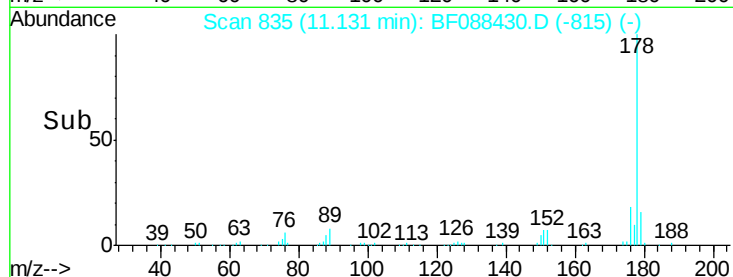
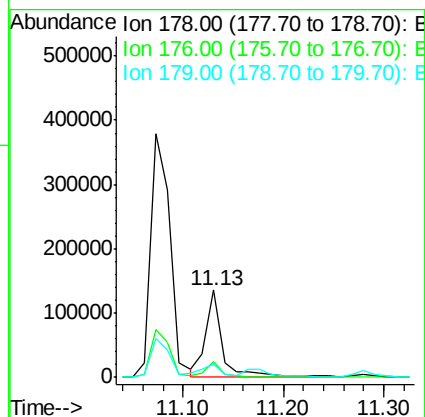
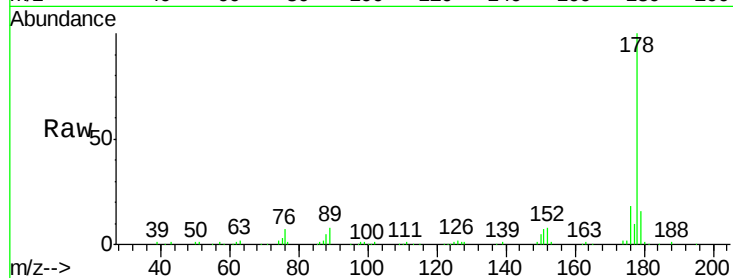
#71
 Anthracene
 Concen: 11.66 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.07 min
 Lab File: BF088430.D
 Acq: 26 Jun 2016 20:53

Instrument :
 BNA_F
 ClientSampled :
 SS-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.6	23.4
179	15.7	12.8	19.2

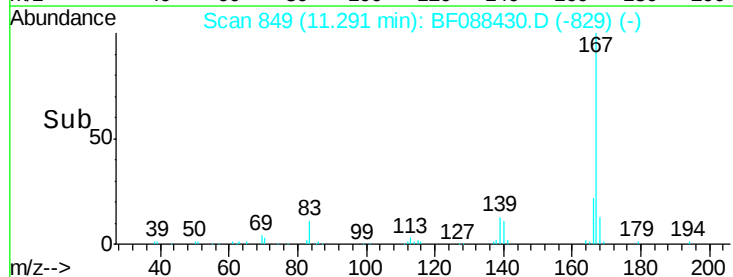
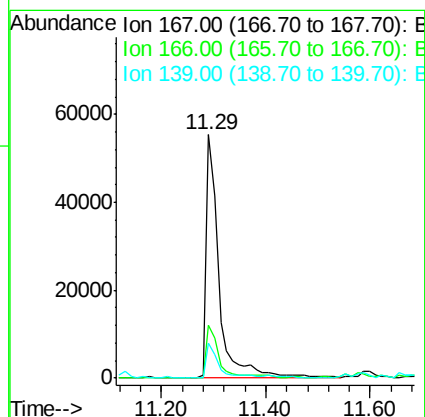
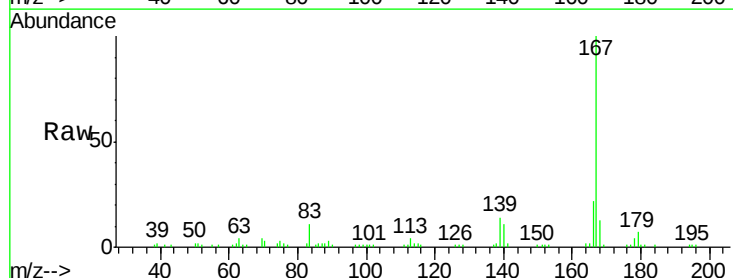
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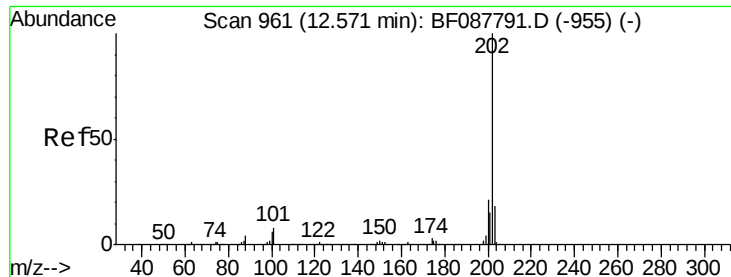
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#72
 Carbazole
 Concen: 7.66 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.07 min
 Lab File: BF088430.D
 Acq: 26 Jun 2016 20:53

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.8	26.6
139	14.2	11.2	16.8





#74

Fluoranthene

Concen: 50.09 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.06 min

Lab File: BF088430.D

Acq: 26 Jun 2016 20:53

Instrument :

BNA_F

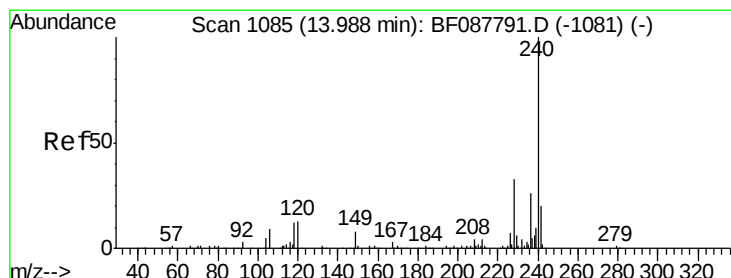
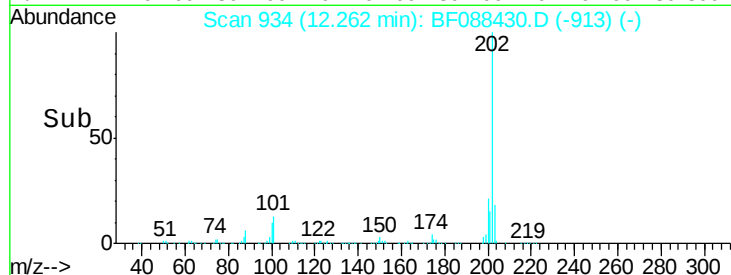
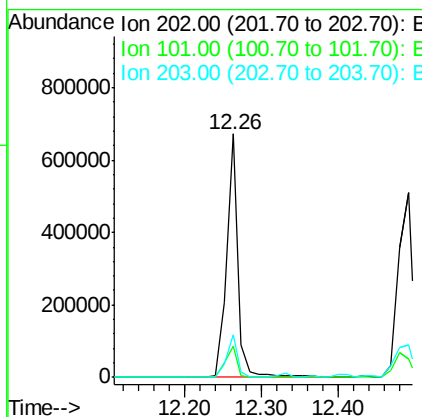
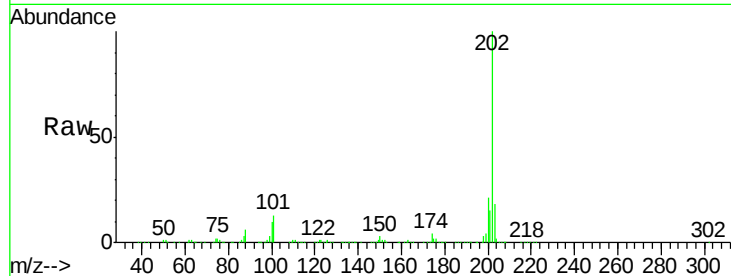
ClientSampleId :

SS-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		698426		
101	12.9	0.0	33.1		
203	17.8	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

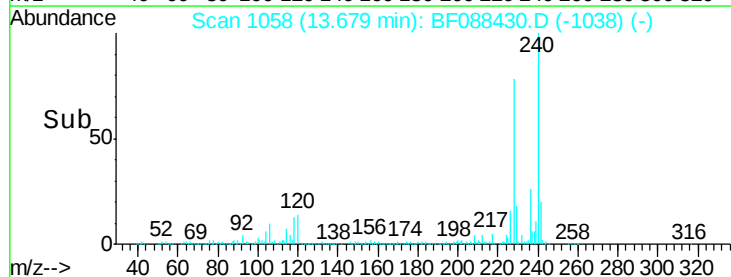
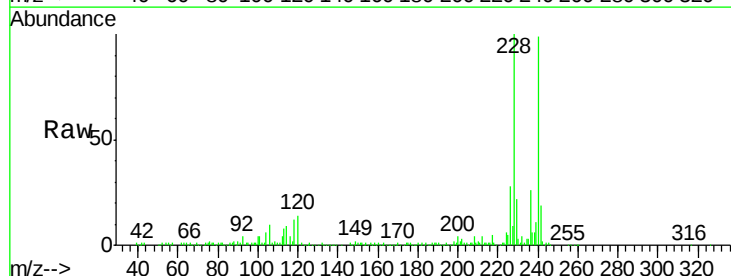
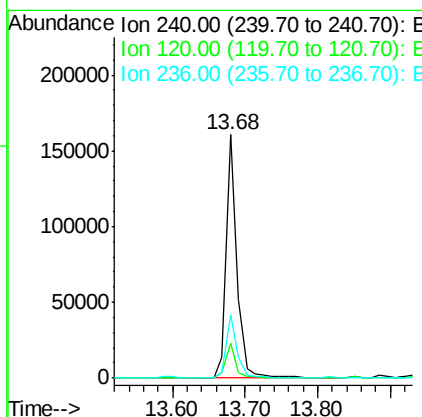
RT: 13.68 min Scan# 1058

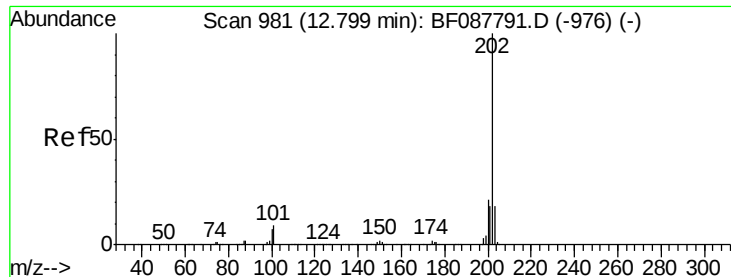
Delta R.T. -0.07 min

Lab File: BF088430.D

Acq: 26 Jun 2016 20:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		168441		
120	14.3	6.8	10.2#		
236	25.9	20.2	30.2		





#77

Pvrene

Concen: 52.46 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.06 min

Lab File: BF088430.D

Acq: 26 Jun 2016 20:53

Instrument :

BNA_F

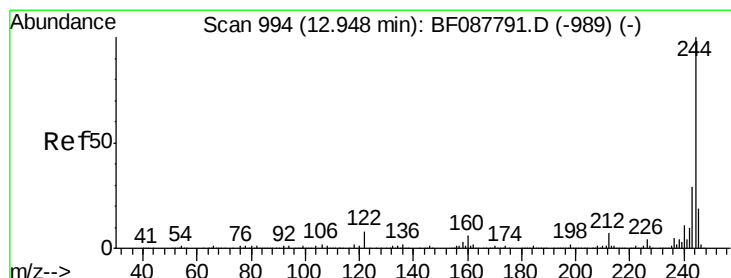
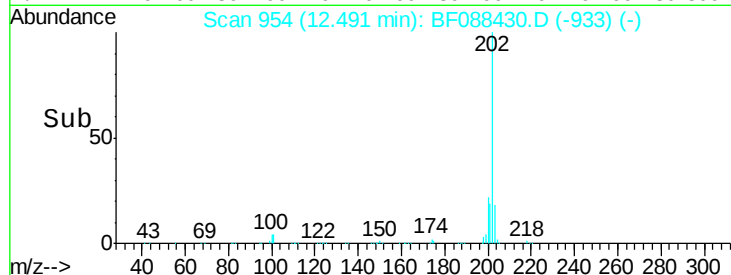
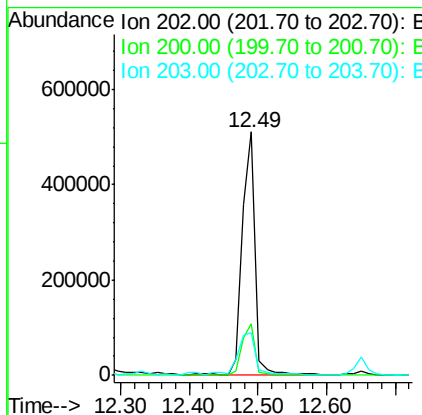
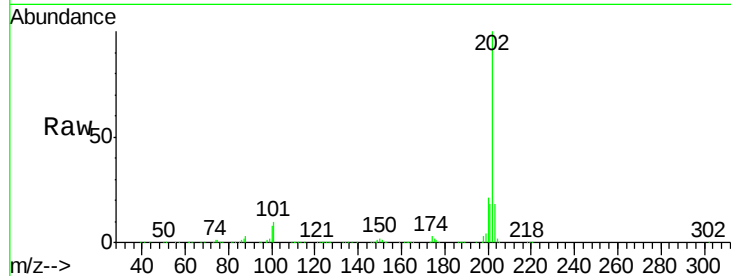
ClientSampleId :

SS-1

Tot Ion:	202	Resp:	655754
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.6	14.5	21.7

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#78

Terphenyl-d14

Concen: 35.77 ng

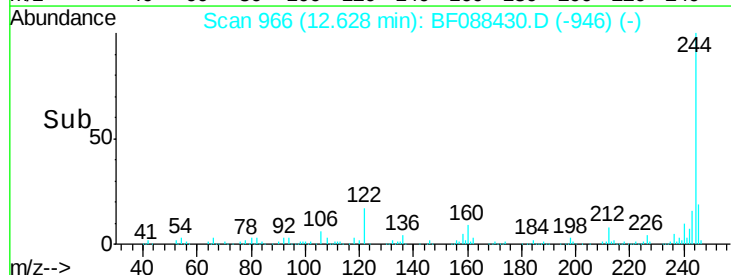
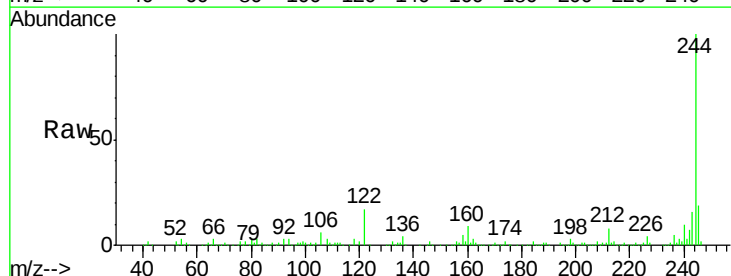
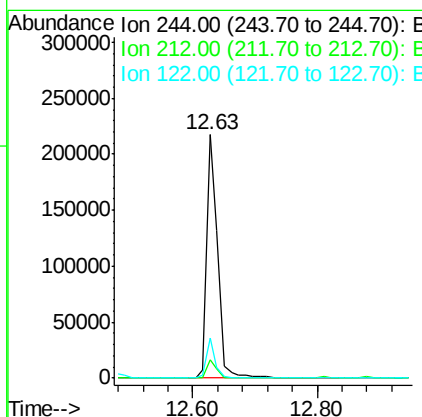
RT: 12.63 min Scan# 966

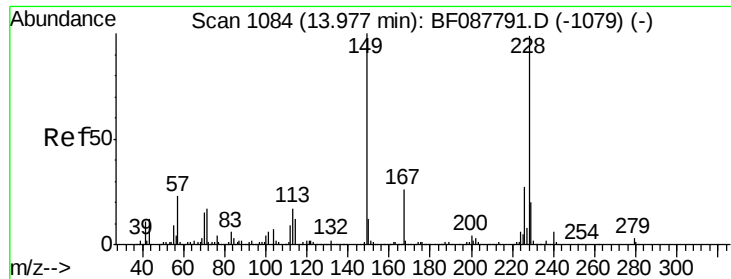
Delta R.T. -0.07 min

Lab File: BF088430.D

Acq: 26 Jun 2016 20:53

Tgt Ion:	244	Resp:	264769
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.0	9.0
122	16.7	11.2	16.8





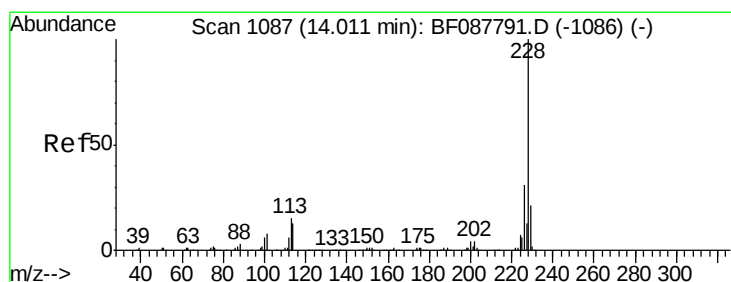
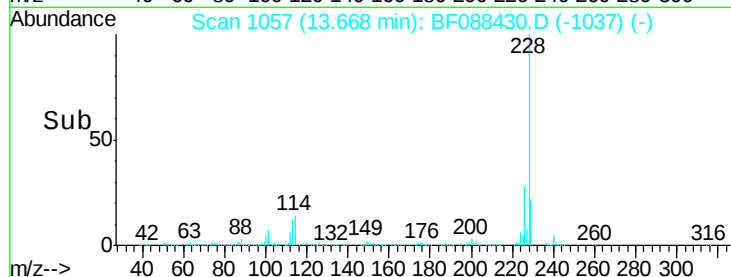
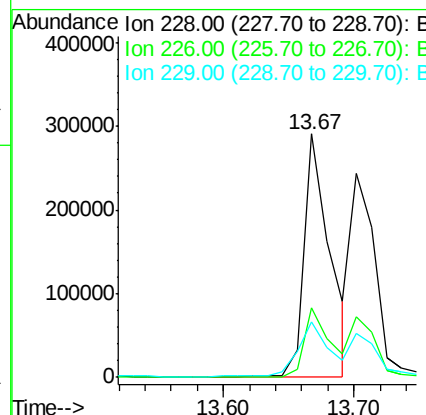
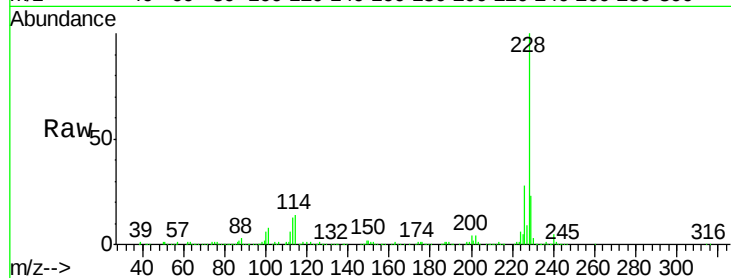
#80
Benzo(a)anthracene
Concen: 41.52 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.07 min
Lab File: BF088430.D
Acq: 26 Jun 2016 20:53

Instrument :
BNA_F
ClientSampleId :
SS-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.3	33.5
229	22.5	16.0	24.0

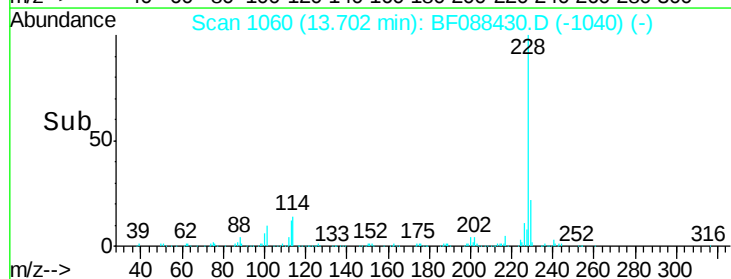
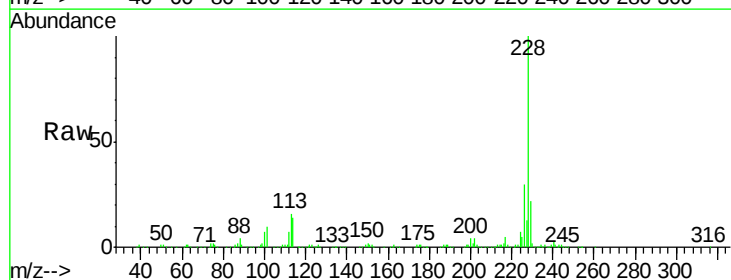
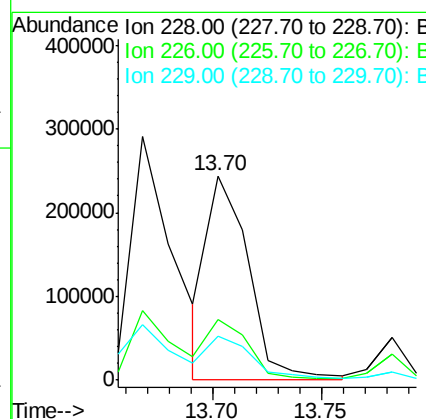
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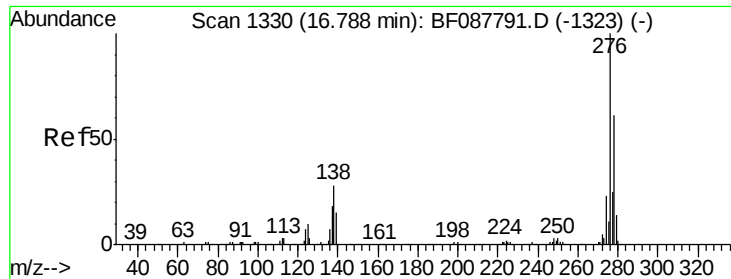
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#82
Chrysene
Concen: 35.28 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.07 min
Lab File: BF088430.D
Acq: 26 Jun 2016 20:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.2
229	21.8	16.3	24.5





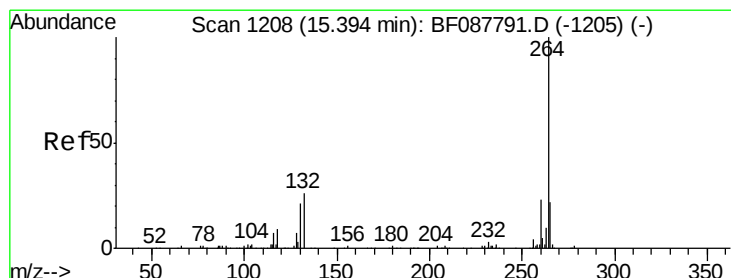
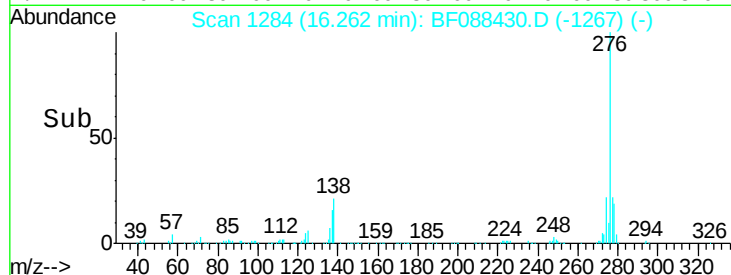
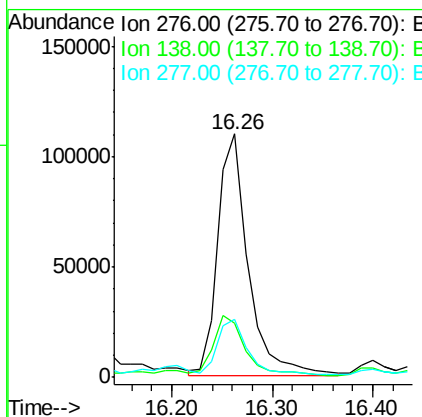
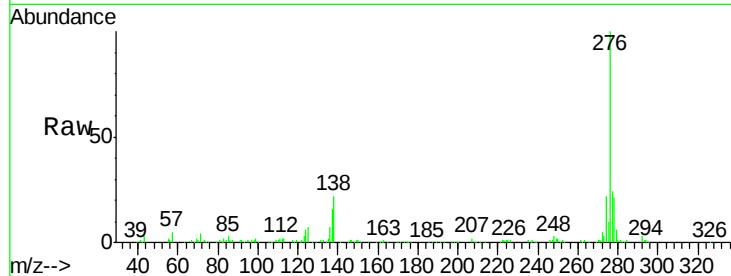
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 27.61 ng
 RT: 16.26 min Scan# 1284
 Delta R.T. -0.10 min
 Lab File: BF088430.D
 Acq: 26 Jun 2016 20:53

Instrument :
 BNA_F
 ClientSampled :
 SS-1

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	25.1	0.0	0.0#
277	23.0	0.0	0.0#

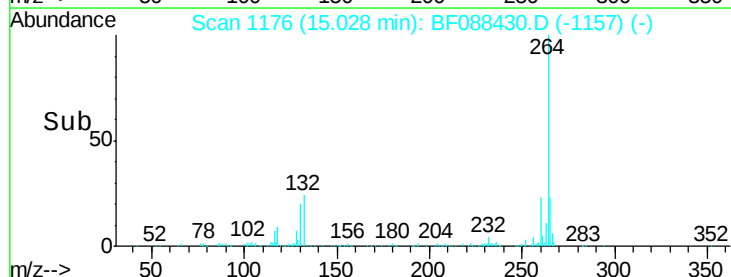
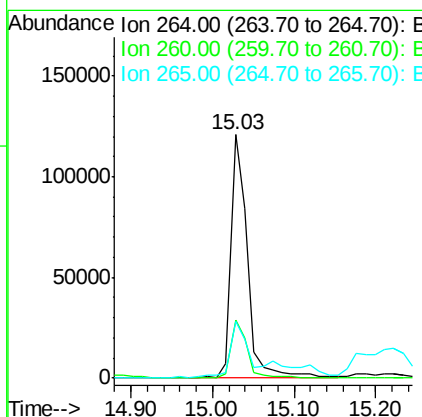
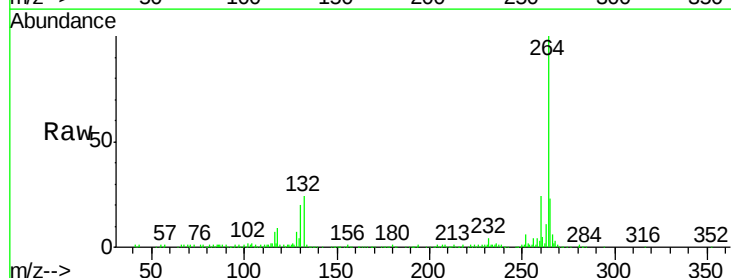
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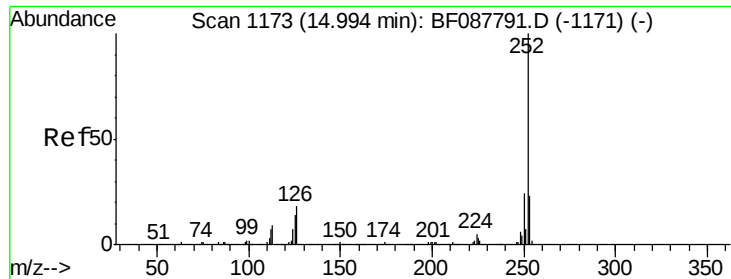
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.08 min
 Lab File: BF088430.D
 Acq: 26 Jun 2016 20:53

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.9	19.2	28.8
265	23.2	16.9	25.3





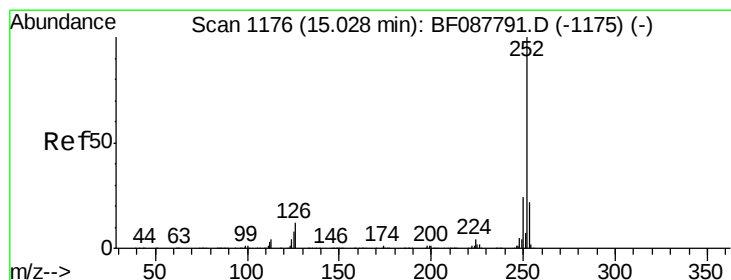
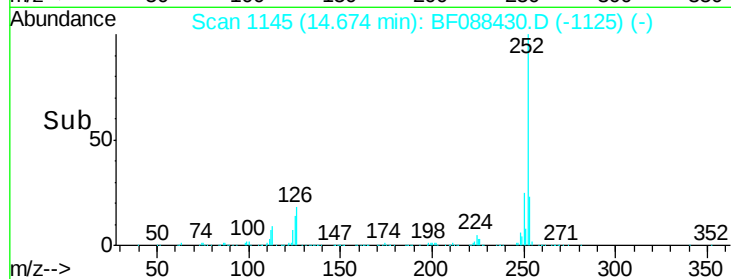
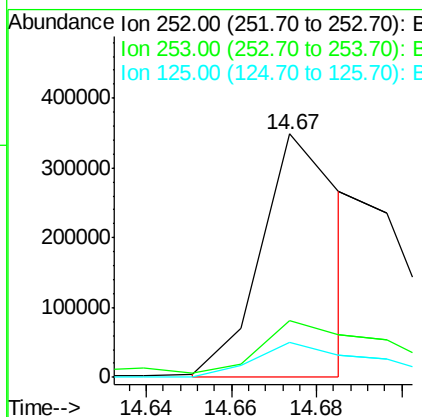
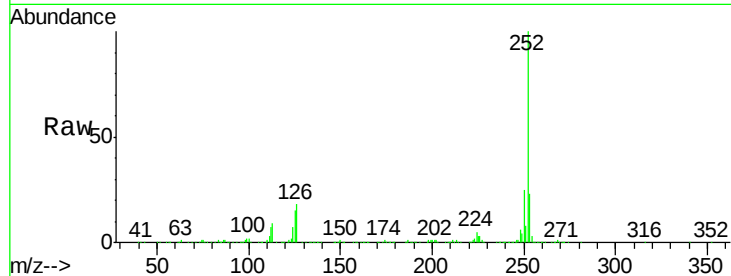
#87
Benzo(b)fluoranthene
Concen: 39.82 ng m
RT: 14.67 min Scan# 1145
Delta R.T. -0.07 min
Lab File: BF088430.D
Acq: 26 Jun 2016 20:53

Instrument :
BNA_F
ClientSampleId :
SS-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	14.6	7.1	10.7

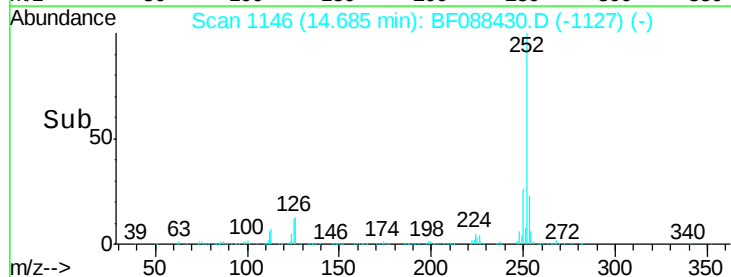
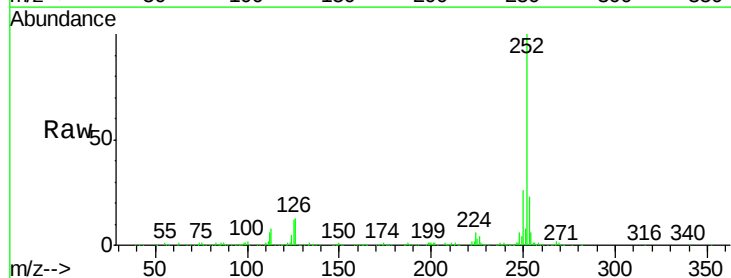
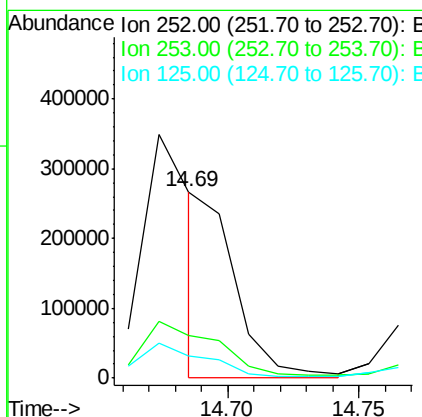
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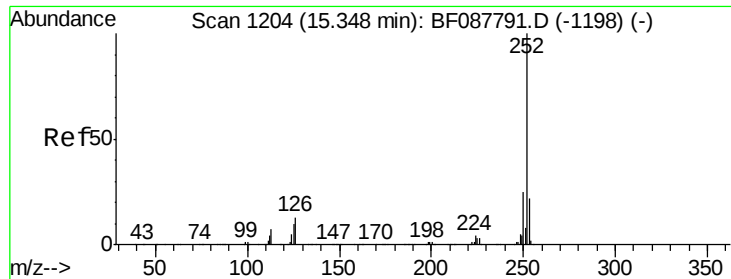
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#88
Benzo(k)fluoranthene
Concen: 25.44 ng m
RT: 14.69 min Scan# 1146
Delta R.T. -0.08 min
Lab File: BF088430.D
Acq: 26 Jun 2016 20:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	12.0	11.2	16.8





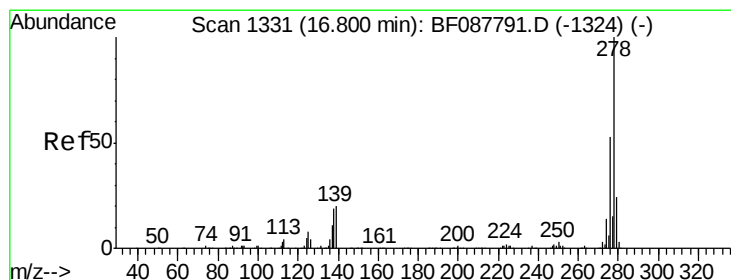
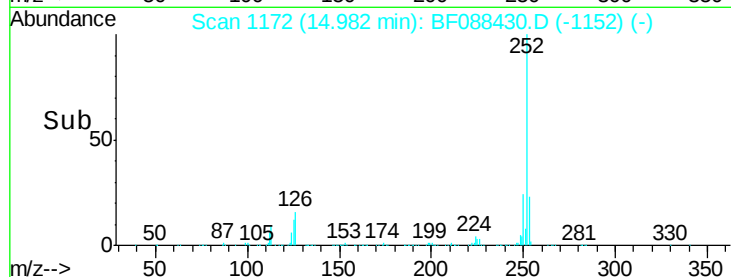
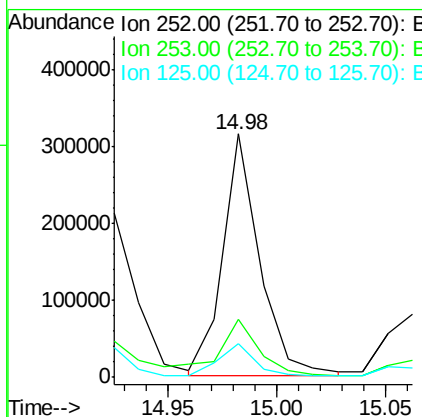
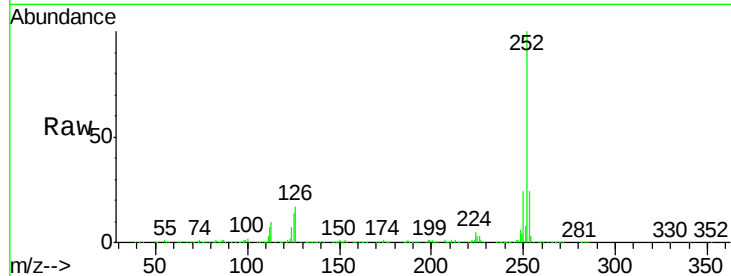
#89
Benzo(a)pyrene
Concen: 38.97 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.07 min
Lab File: BF088430.D
Acq: 26 Jun 2016 20:53

Instrument :
BNA_F
ClientSampled :
SS-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	13.6	12.5	18.7

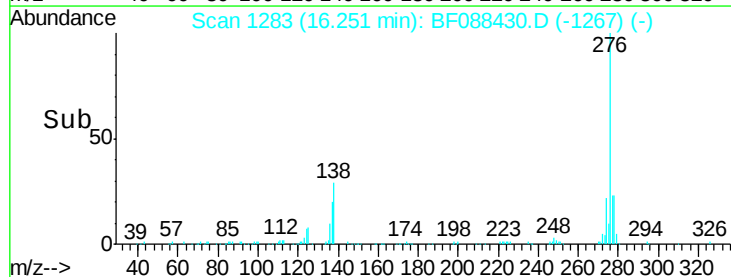
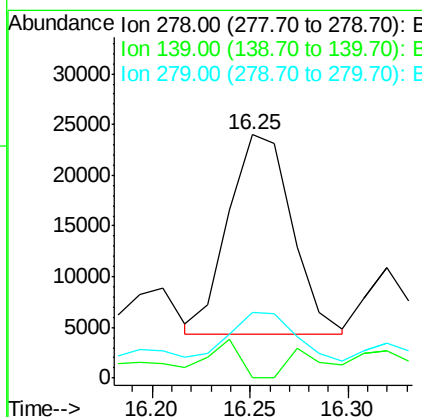
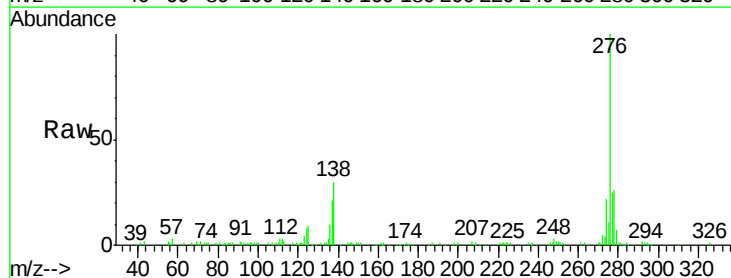
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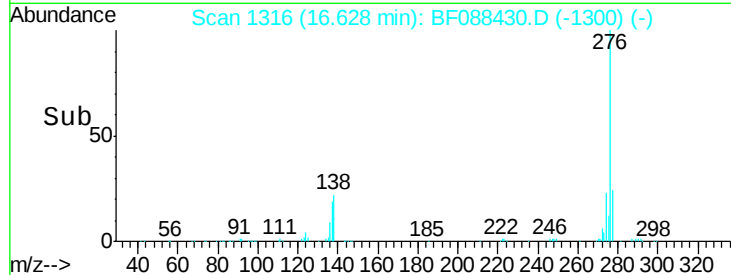
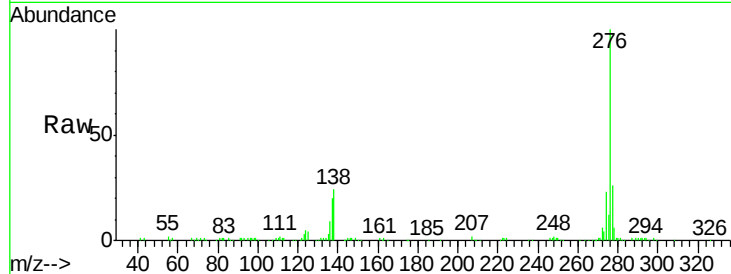
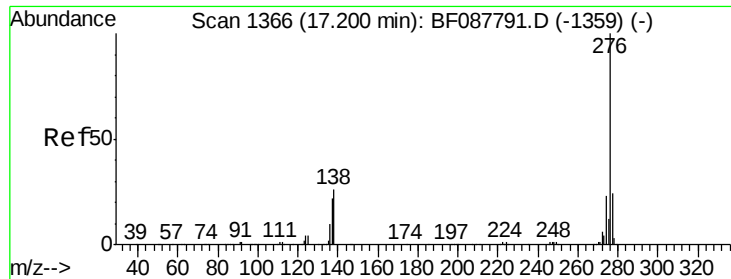
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#90
Dibenzo(a,h)anthracene
Concen: 4.99 ng m
RT: 16.25 min Scan# 1283
Delta R.T. -0.11 min
Lab File: BF088430.D
Acq: 26 Jun 2016 20:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	27.0	19.4	29.2





#91
Benzo(a,h,i)perylene
Concen: 23.79 ng
RT: 16.63 min Scan# 1316
Delta R.T. -0.11 min
Lab File: BF088430.D
Acq: 26 Jun 2016 20:53

Tot Ion	Ratio	Resp	Lower	Upper
276	100	217234		
277	25.9	18.9	28.3	
138	24.3	21.4	32.2	

Instrument :
BNA_F
ClientSampleId :
SS-1

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