

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
 Data File : BF089633.D
 Acq On : 5 Aug 2016 16:36
 Operator : UM/SJ
 Sample : H4292-06
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS9-0-2IN

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Quant Time: Aug 05 23:57:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	50190	20.00	ng	-0.01
21) Naphthalene-d8	9.46	136	213101	20.00	ng	-0.01
38) Acenaphthene-d10	12.30	164	96539	20.00	ng	0.00
63) Phenanthrene-d10	14.69	188	160003	20.00	ng	-0.01
75) Chrysene-d12	18.39	240	99294	20.00	ng	0.00
86) Perylene-d12	20.05	264	108822	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	286314	95.61	ng	0.02
7) Phenol-d6	6.99	99	399272	98.29	ng	0.01
23) Nitrobenzene-d5	8.35	82	248945	64.62	ng	-0.01
41) 2,4,6-Tribromophenol	13.58	330	70880	88.97	ng	-0.01
44) 2-Fluorobiphenyl	11.24	172	435763	58.66	ng	-0.01
78) Terphenyl-d14	17.05	244	266973	53.08	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	11.94	163	141690	18.73	ng	99
57) Fluorene	13.19	166	21400	2.93	ng	100
70) Phenanthrene	14.72	178	263518	30.29	ng	99
71) Anthracene	14.81	178	77538	8.31	ng	98
72) Carbazole	15.11	167	15689	2.02	ng	# 96
74) Fluoranthene	16.49	202	305273	34.13	ng	98
77) Pyrene	16.79	202	234783	26.74	ng	# 95
80) Benzo(a)anthracene	18.38	228	106776m	18.72	ng	
82) Chrysene	18.42	228	103399m	17.28	ng	
85) Indeno(1,2,3-cd)pyrene	21.23	276	59297	13.05	ng	# 92
87) Benzo(b)fluoranthene	19.65	252	116246m	17.37	ng	
88) Benzo(k)fluoranthene	19.66	252	58637m	8.68	ng	
89) Benzo(a)pyrene	19.99	252	96223	15.36	ng	# 95
90) Dibenzo(a,h)anthracene	21.23	278	15568	2.66	ng	# 76
91) Benzo(g,h,i)perylene	21.57	276	52811	8.81	ng	97

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

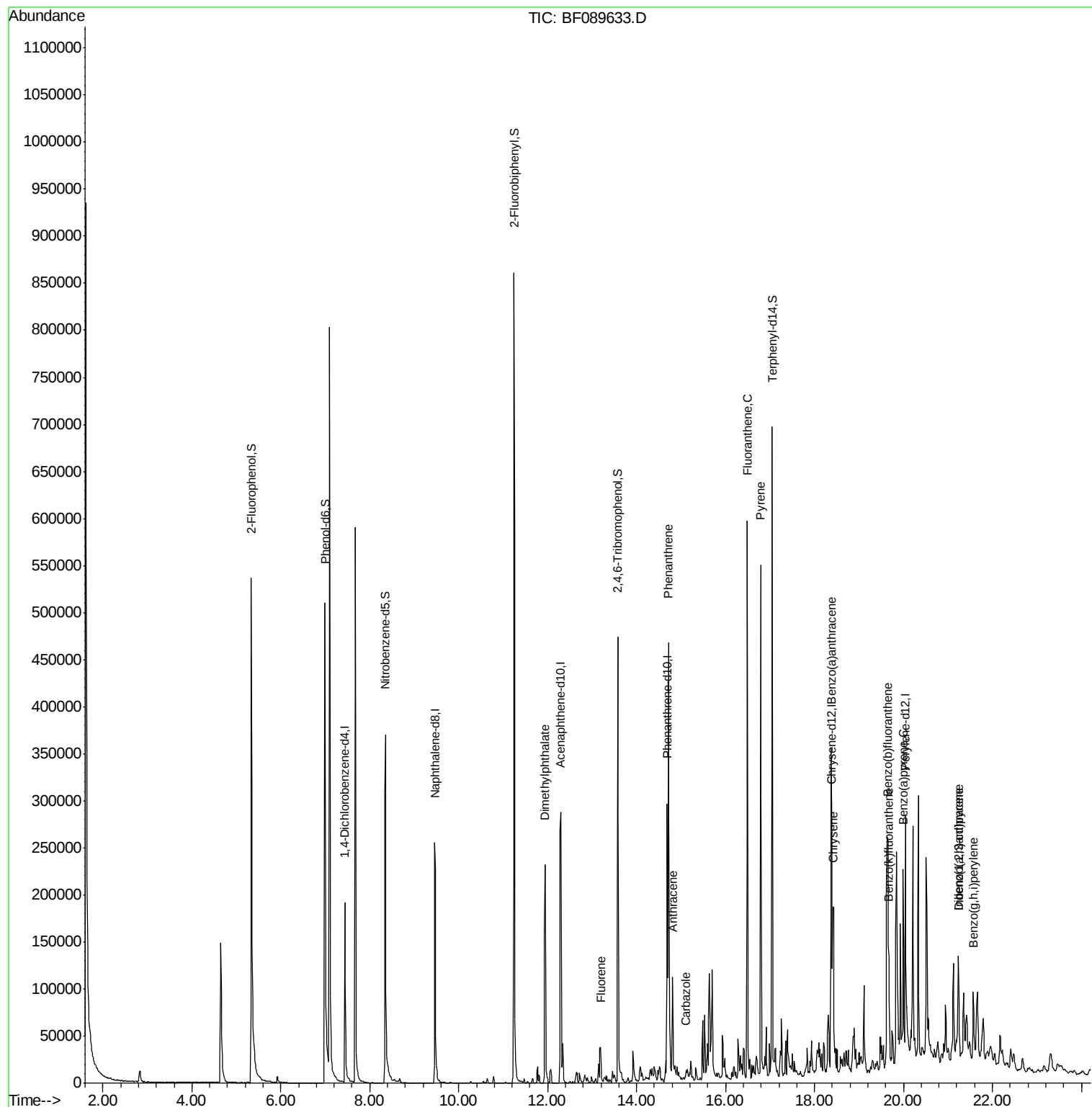
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
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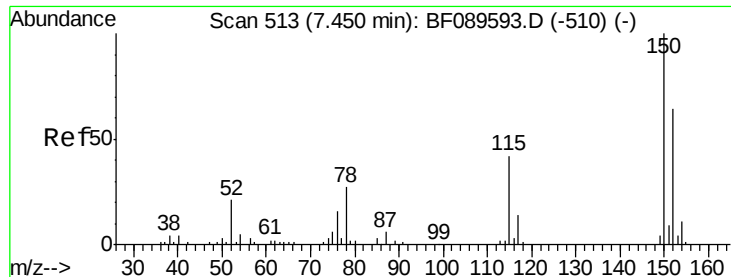
Instrument :
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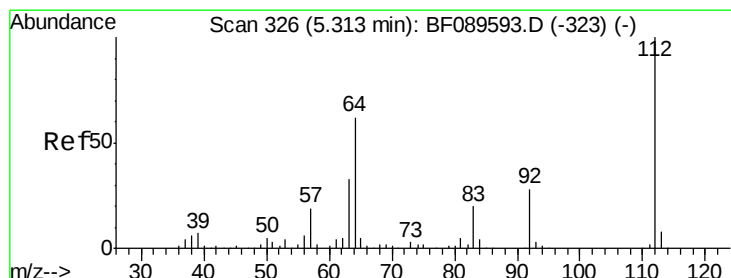
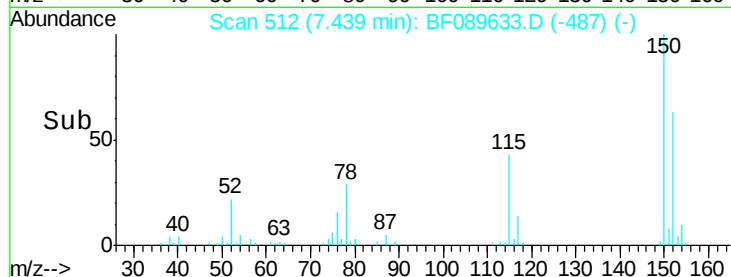
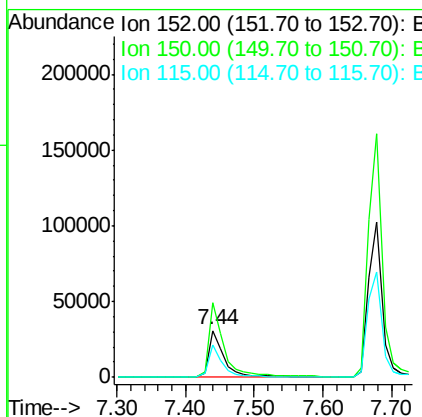
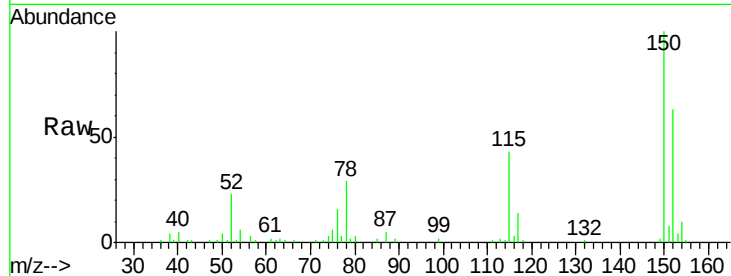
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.44 min Scan# 512
 Delta R.T. -0.01 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Instrument :
 BNA_F
 ClientSampleId :
 SS9-0-2IN

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.2	125.5	188.3
115	68.7	52.0	78.0

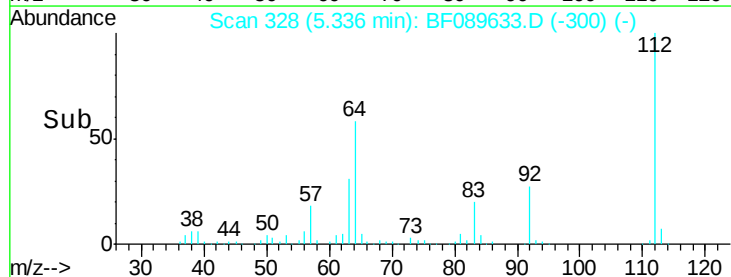
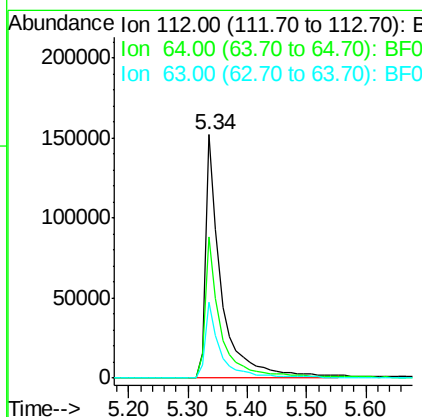
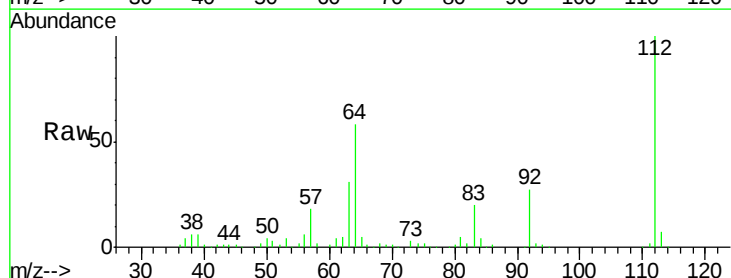
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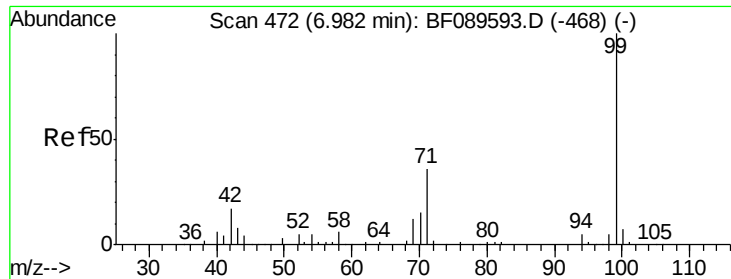
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#5
 2-Fluorophenol
 Concen: 95.61 ng
 RT: 5.34 min Scan# 328
 Delta R.T. 0.02 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	49.9	74.9
63	31.4	26.1	39.1





#7

Phenol-d6

Concen: 98.29 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.01 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

Instrument :

BNA_F

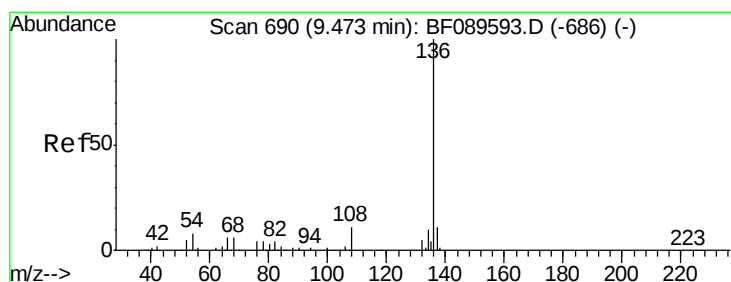
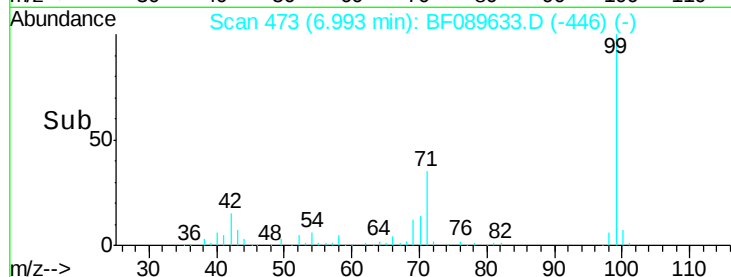
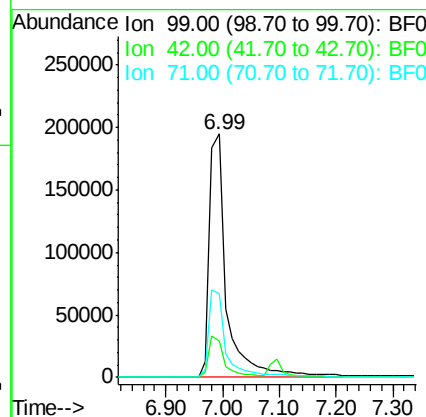
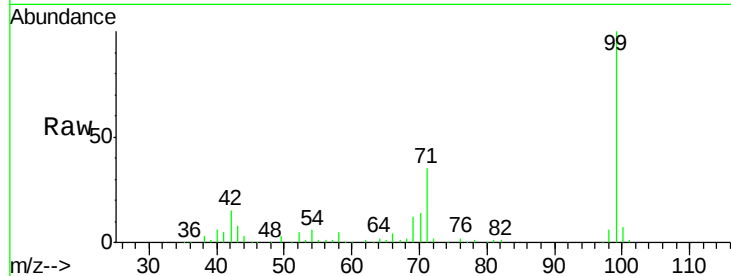
ClientSampled :

SS9-0-2IN

Tgt Ion:	99	Resp:	399272
Ion Ratio	Lower	Upper	
99	100		
42	14.8	13.7	20.5
71	34.6	29.0	43.4

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#21

Naphthalene-d8

Concen: 20.00 ng

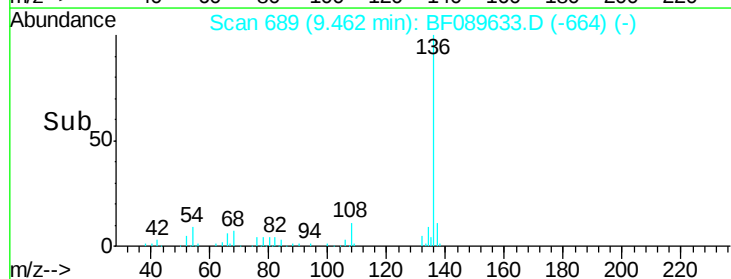
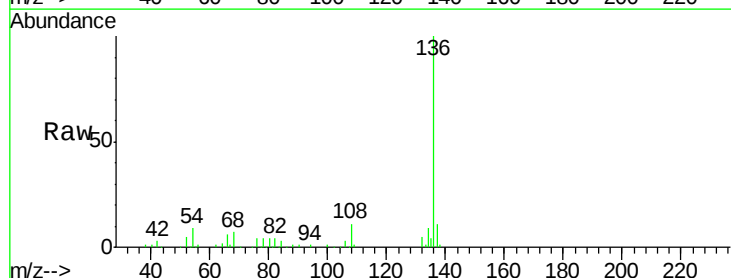
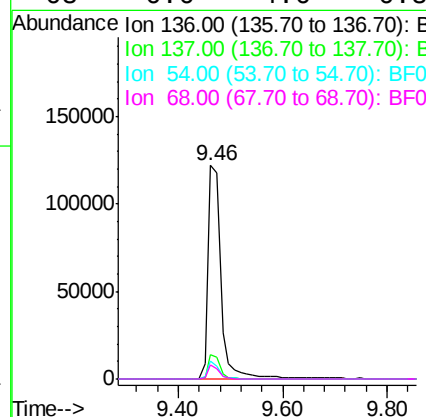
RT: 9.46 min Scan# 689

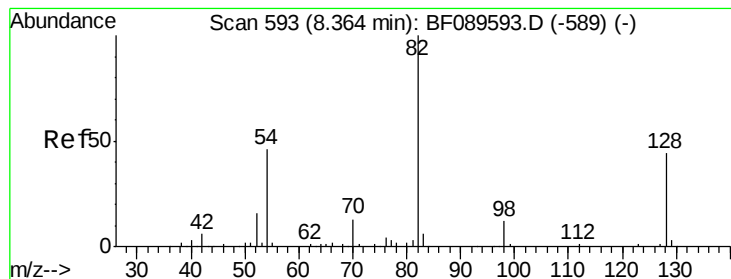
Delta R.T. -0.01 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

Tgt Ion:	136	Resp:	213101
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	12.8
54	8.5	6.0	9.0
68	6.6	4.6	6.8





#23

Nitrobenzene-d5

Concen: 64.62 ng

RT: 8.35 min Scan# 592

Delta R.T. -0.01 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

Instrument :

BNA_F

ClientSampleId :

SS9-0-2IN

Tgt Ion: 82 Resp: 248945
Ion Ratio Lower Upper

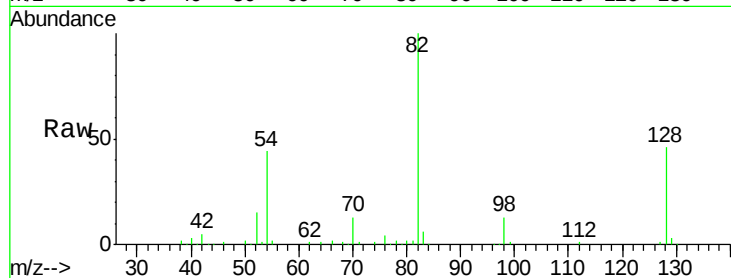
82 100

128 45.7 35.4 53.0

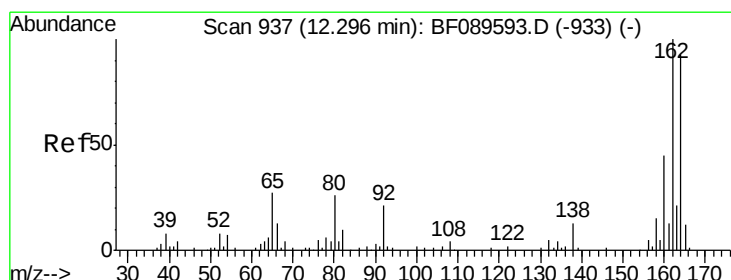
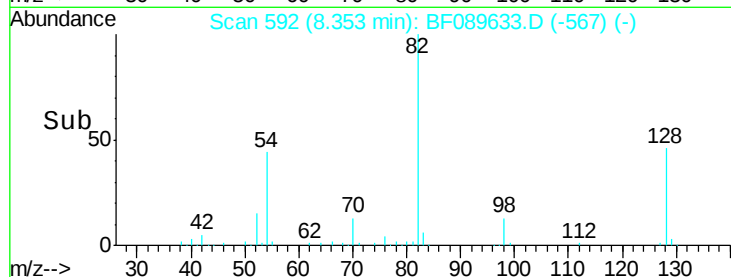
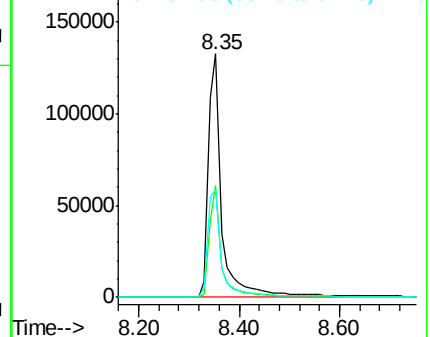
54 44.4 36.4 54.6

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.30 min Scan# 937

Delta R.T. 0.00 min

Lab File: BF089633.D

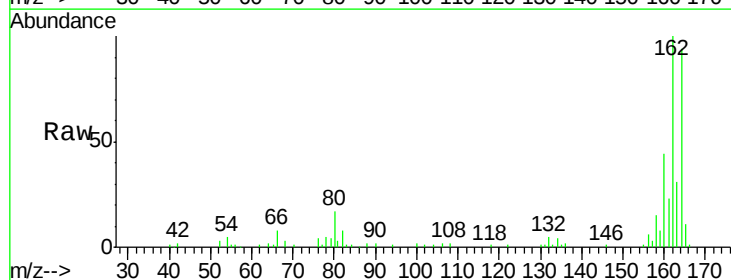
Acq: 5 Aug 2016 16:36

Tgt Ion: 164 Resp: 96539
Ion Ratio Lower Upper

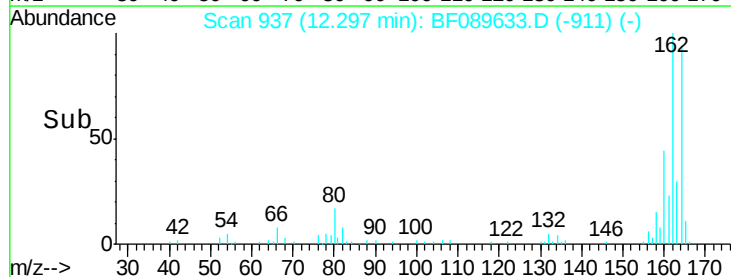
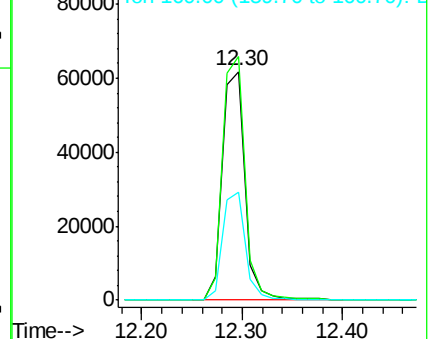
164 100

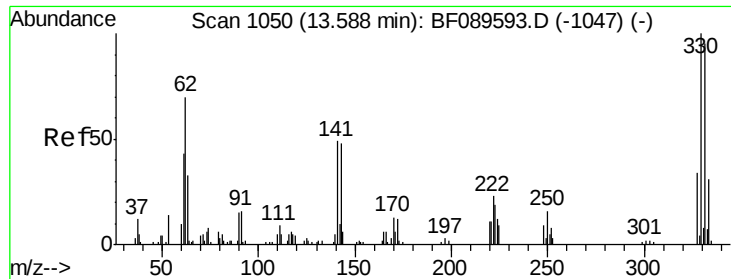
162 106.5 85.7 128.5

160 47.1 38.2 57.4



Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B





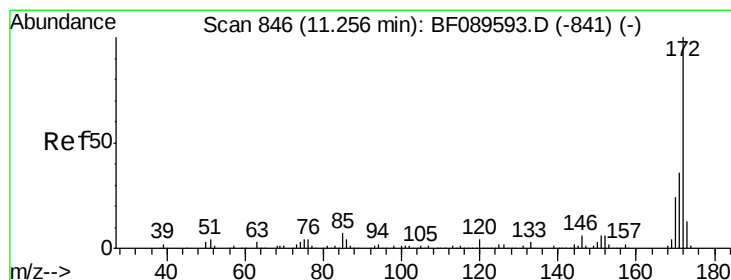
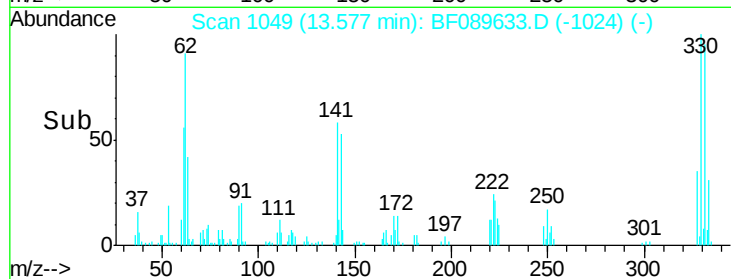
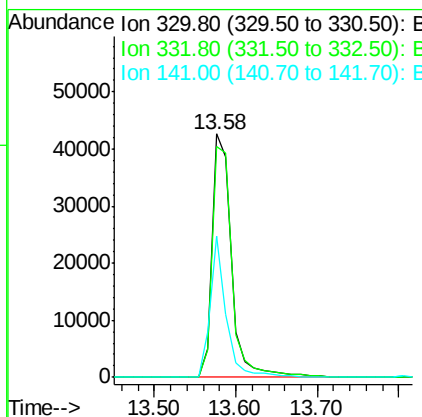
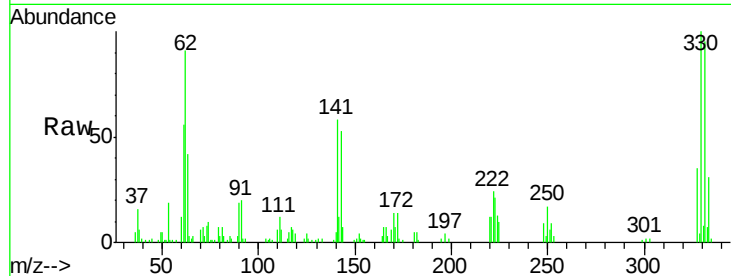
#41
 2,4,6-Tribromophenol
 Concen: 88.97 ng
 RT: 13.58 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Instrument :
 BNA_F
 ClientSampled :
 SS9-0-2IN

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	48.5	38.6	57.8

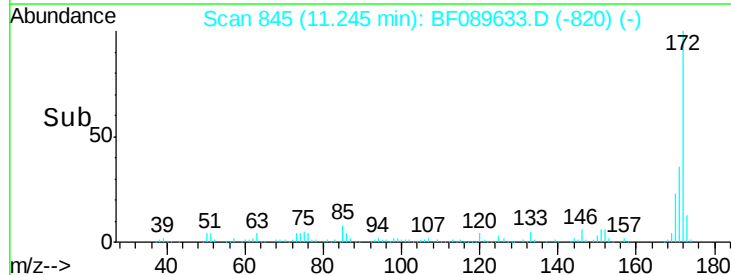
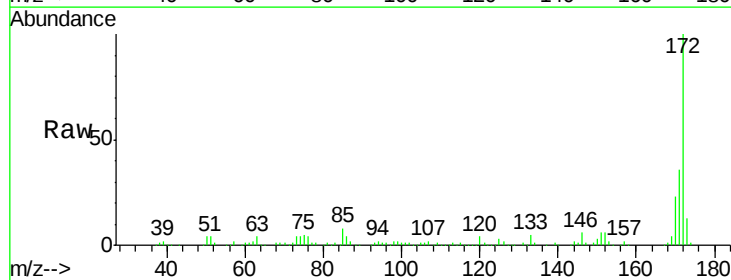
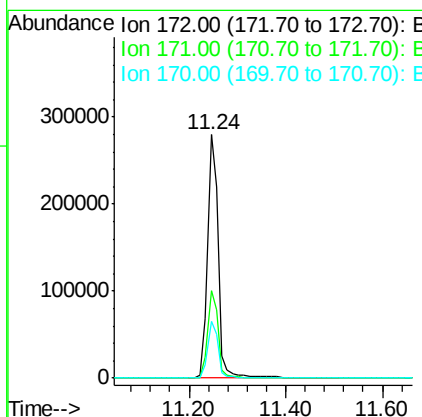
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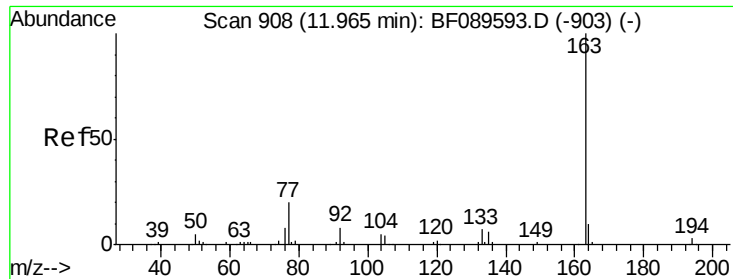
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#44
 2-Fluorobiphenyl
 Concen: 58.66 ng
 RT: 11.24 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.9	43.3
170	23.3	19.0	28.6





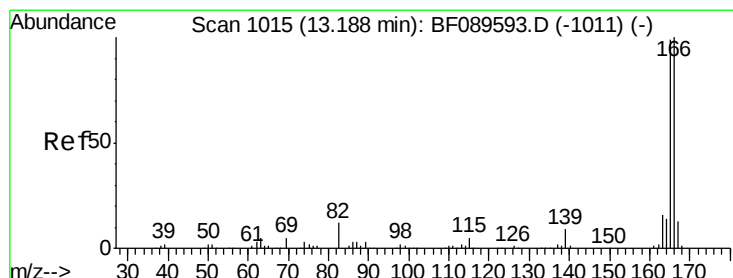
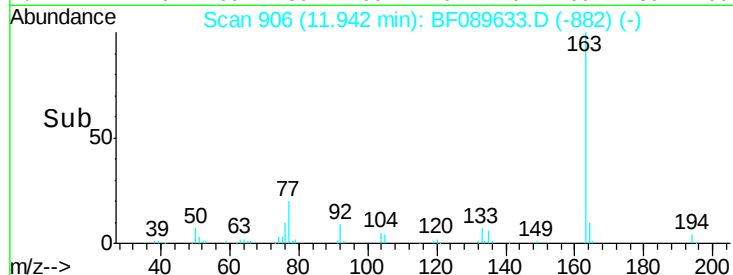
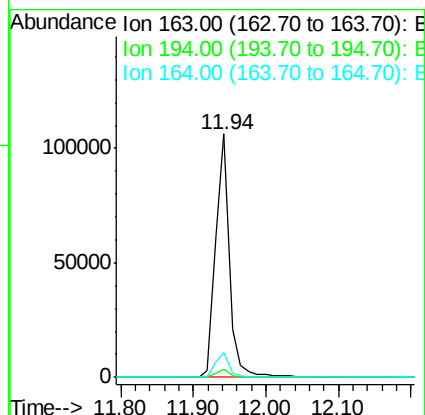
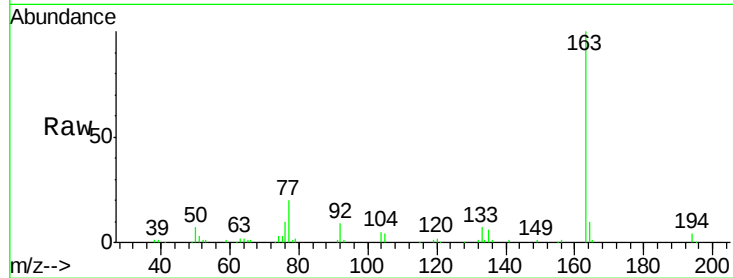
#49
Dimethylphthalate
Concen: 18.73 ng
RT: 11.94 min Scan# 906
Delta R.T. -0.02 min
Lab File: BF089633.D
Acq: 5 Aug 2016 16:36

Instrument :
BNA_F
ClientSampleId :
SS9-0-2IN

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.5	2.7	4.1
164	10.1	7.8	11.6

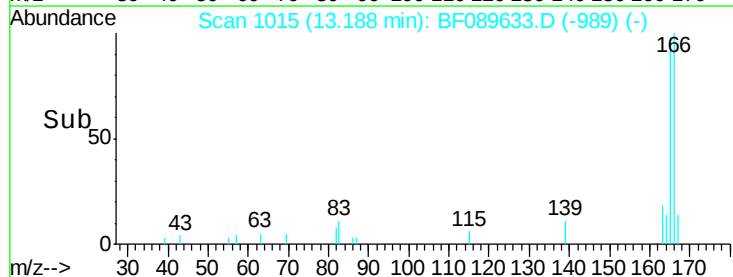
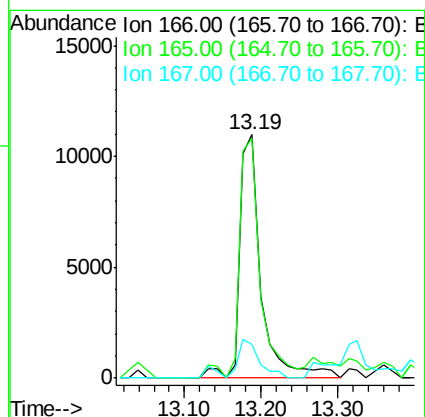
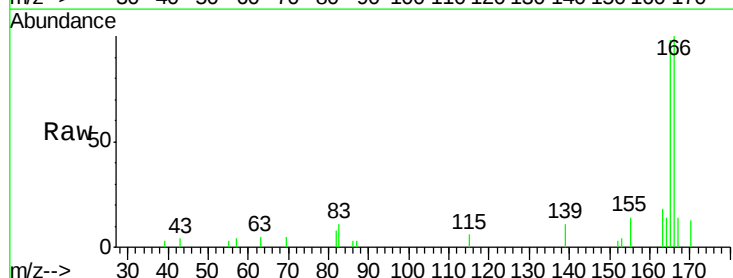
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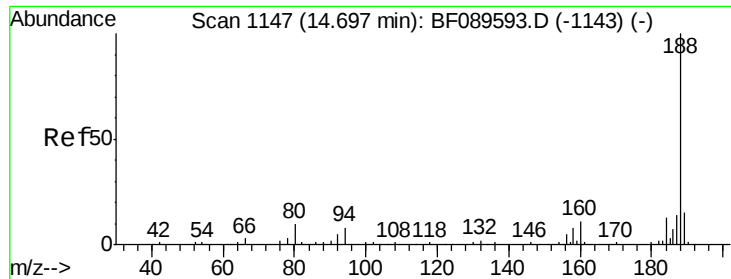
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#57
Fluorene
Concen: 2.93 ng
RT: 13.19 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BF089633.D
Acq: 5 Aug 2016 16:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	98.4	78.9	118.3
167	13.8	10.4	15.6





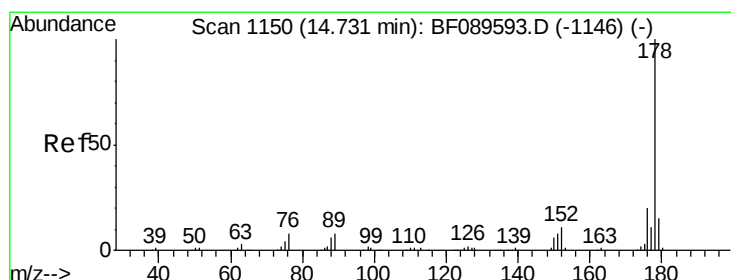
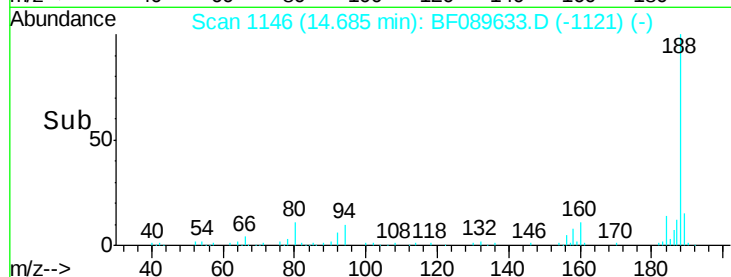
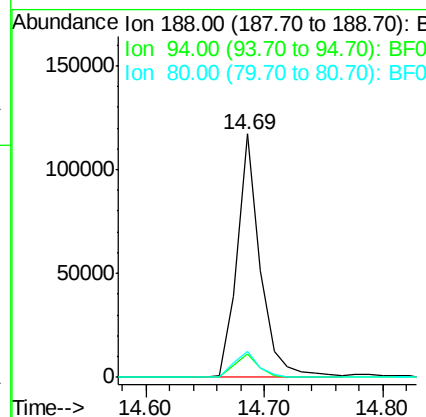
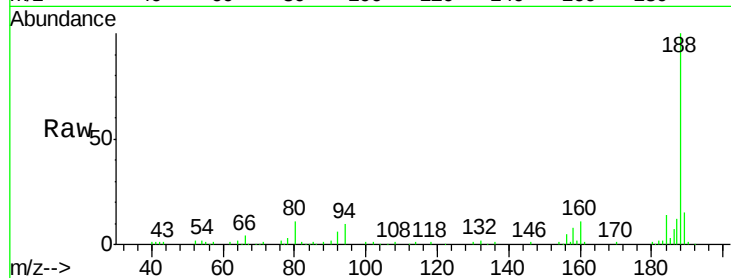
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Phenanthrene-d10
Concen: 20.00 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF089633.D
Acq: 5 Aug 2016 16:36

Instrument :
BNA_F
ClientSampleId :
SS9-0-2IN

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	160003		
94	9.7	6.5	9.7	
80	10.8	8.0	12.0	

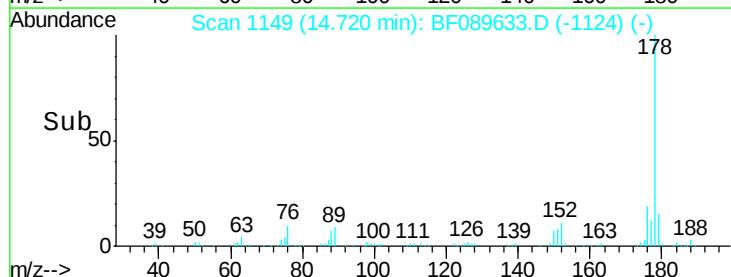
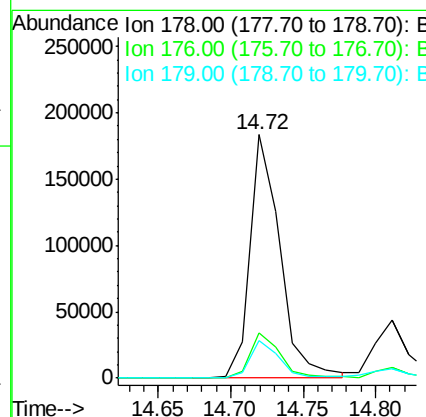
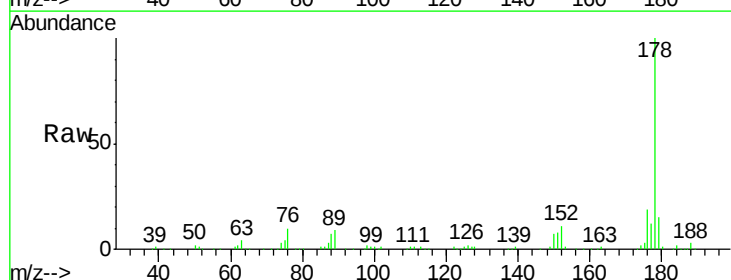
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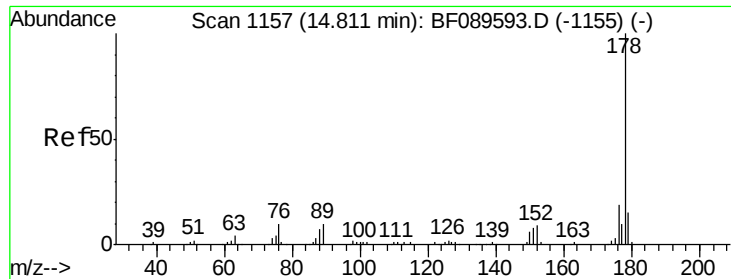
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#70
Phenanthrene
Concen: 30.29 ng
RT: 14.72 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF089633.D
Acq: 5 Aug 2016 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	263518		
176	18.8	15.7	23.5	
179	15.3	12.2	18.2	





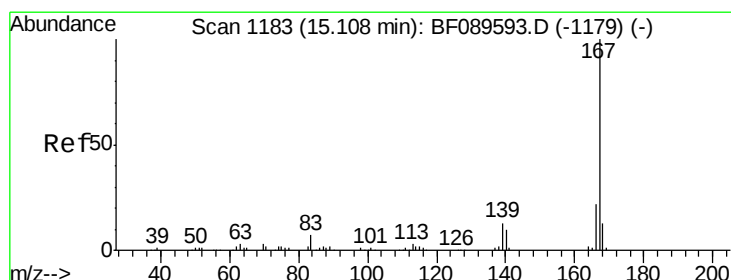
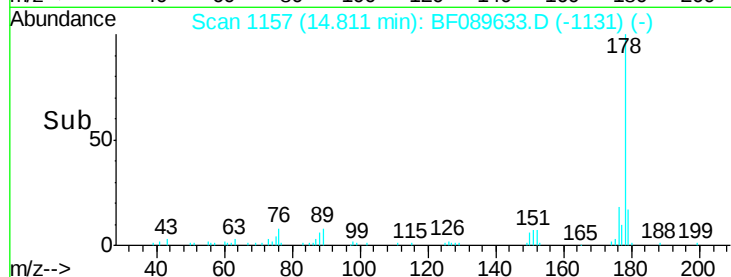
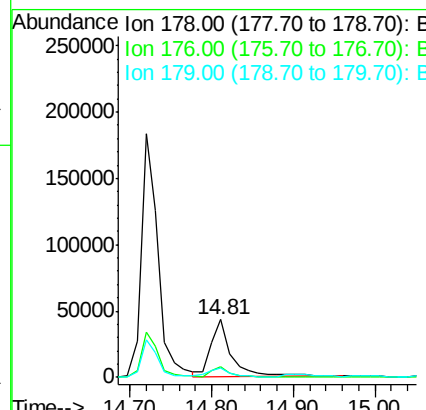
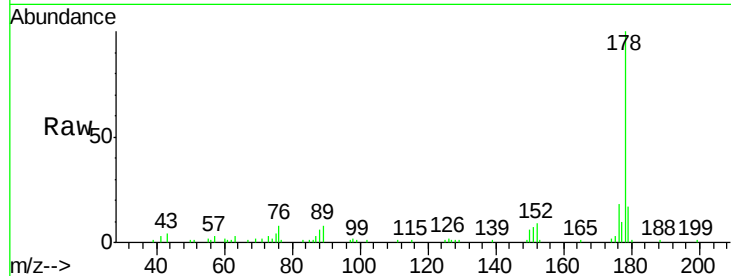
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 Anthracene
 Concen: 8.31 ng
 RT: 14.81 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Instrument :
 BNA_F
 ClientSampleId :
 SS9-0-2IN

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	17.0	12.4	18.6

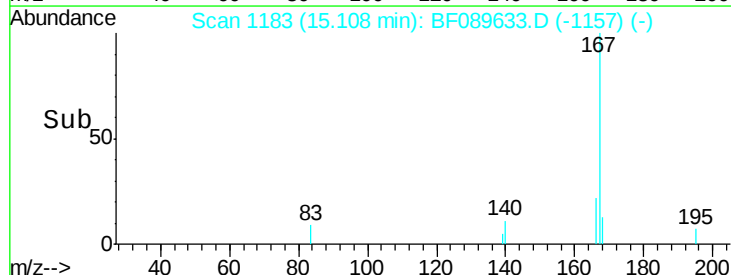
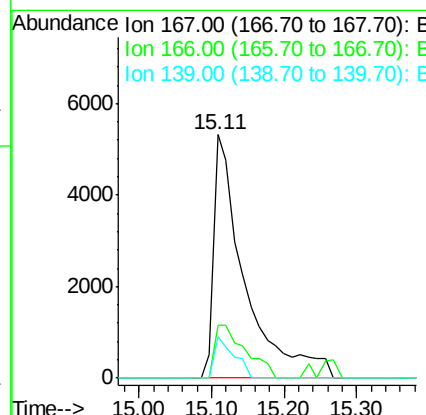
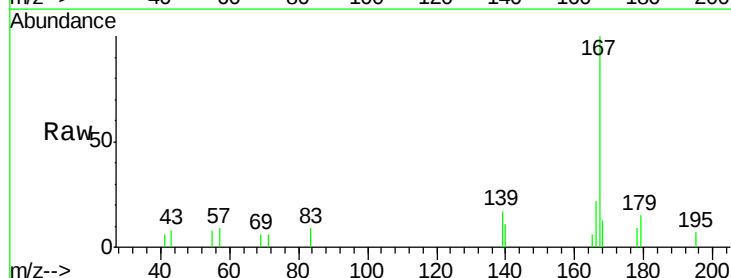
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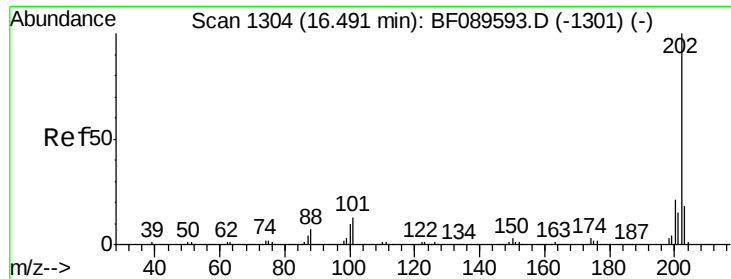
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#72
 Carbazole
 Concen: 2.02 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	16.8	10.4	15.6





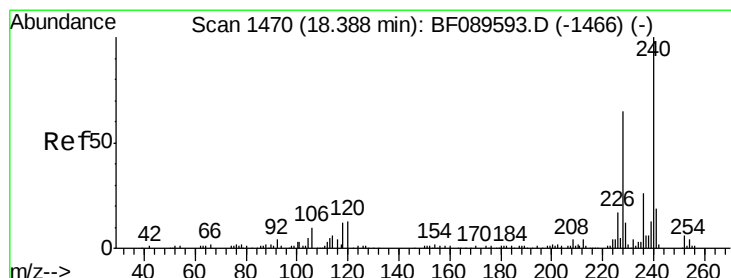
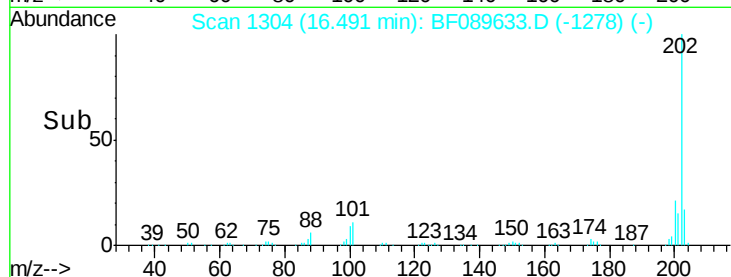
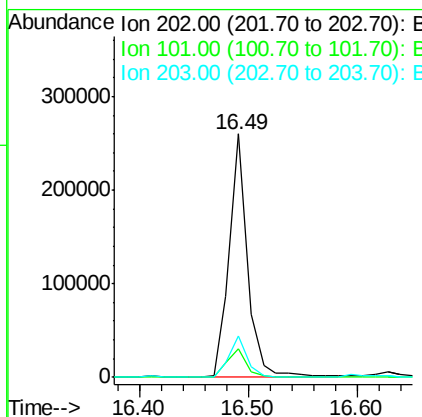
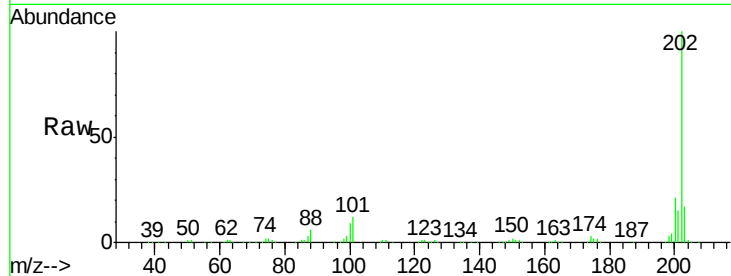
#74
 Fluoranthene
 Concen: 34.13 ng
 RT: 16.49 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Instrument :
 BNA_F
 ClientSampleId :
 SS9-0-2IN

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.6	0.0	32.7
203	17.1	0.0	37.8

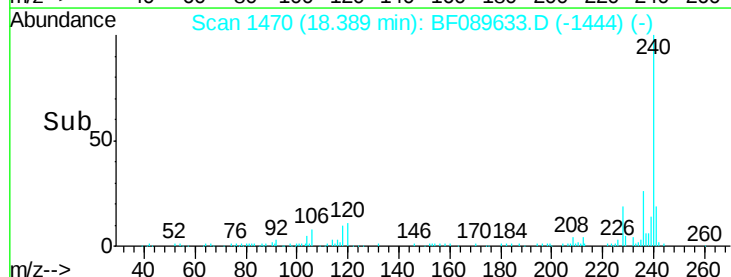
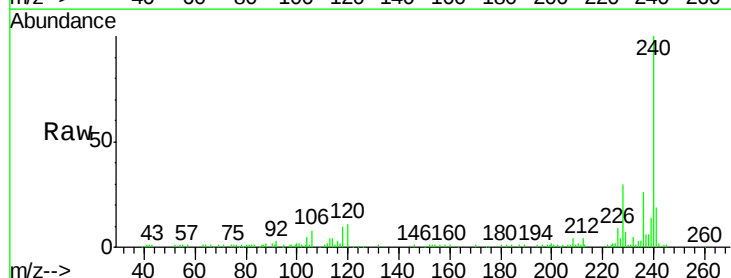
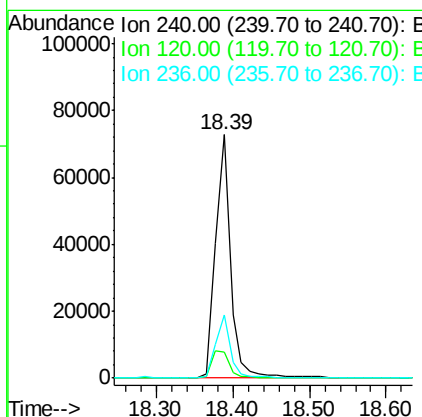
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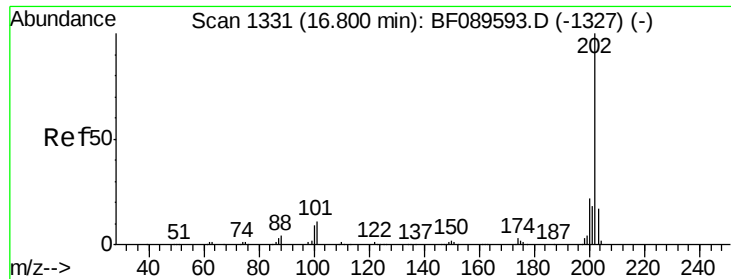
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.39 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.7	10.6	15.8
236	26.1	20.6	30.8





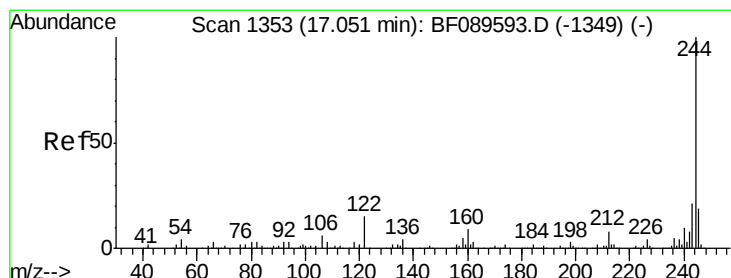
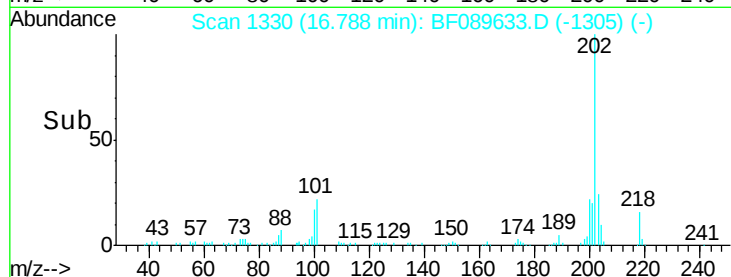
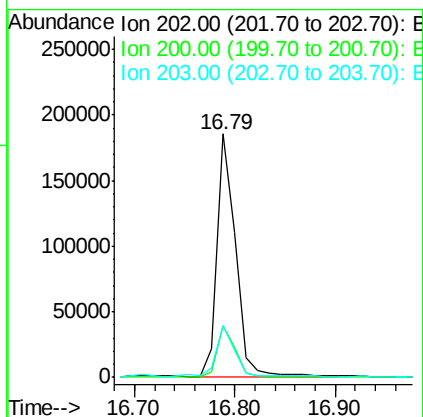
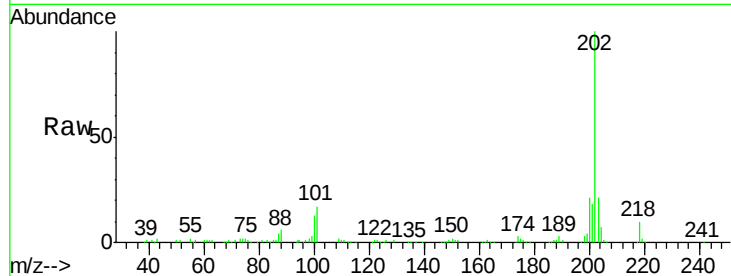
#77
 Pyrene
 Concen: 26.74 ng
 RT: 16.79 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Instrument :
 BNA_F
 ClientSampleId :
 SS9-0-2IN

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.3	17.4	26.0
203	21.4	13.6	20.4

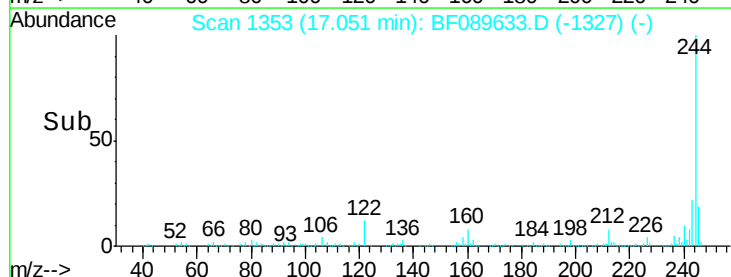
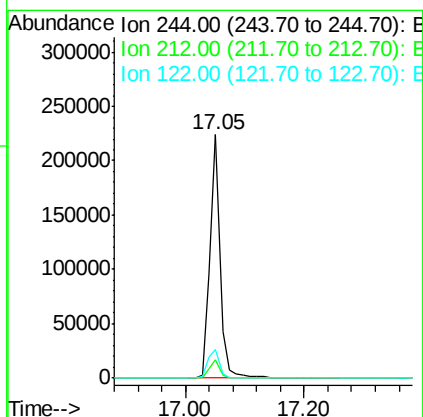
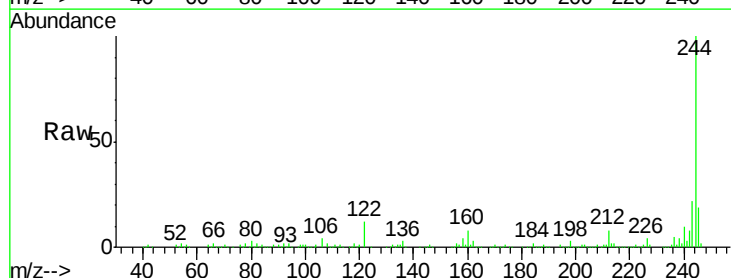
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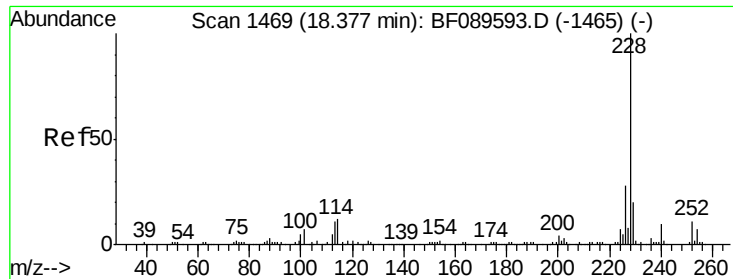
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#78
 Terphenyl-d14
 Concen: 53.08 ng
 RT: 17.05 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.8	6.4	9.6
122	11.9	12.2	18.2





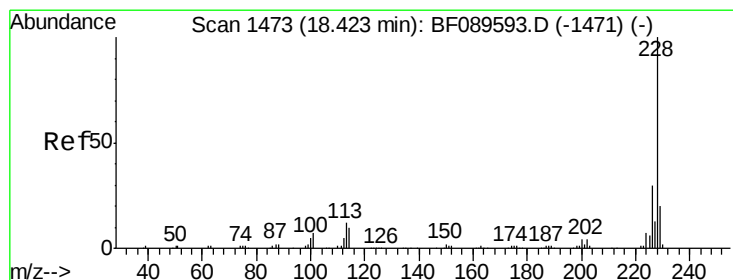
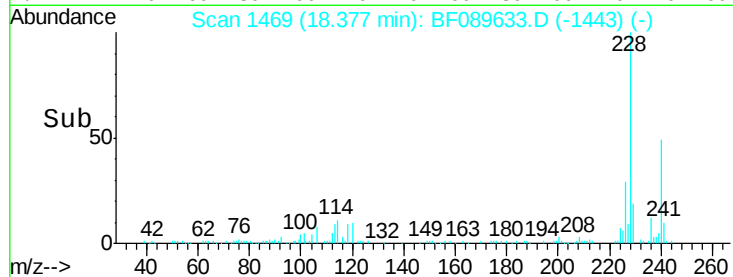
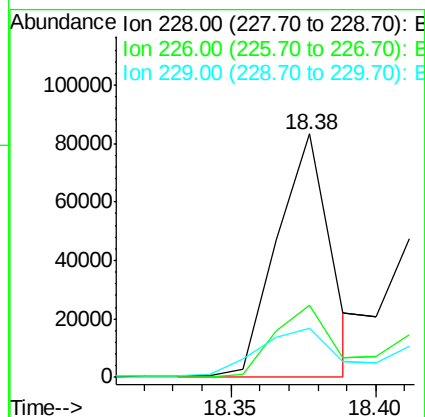
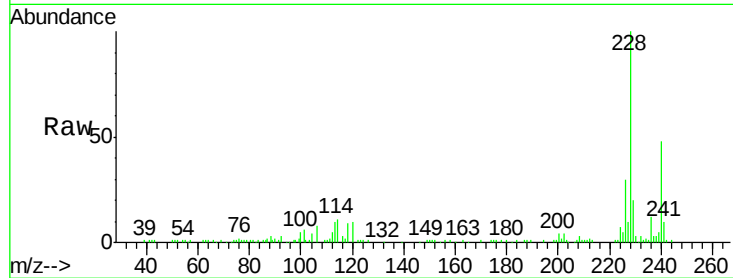
#80
Benzo(a)anthracene
Concen: 18.72 ng m
RT: 18.38 min Scan# 1469
Delta R.T. 0.00 min
Lab File: BF089633.D
Acq: 5 Aug 2016 16:36

Instrument :
BNA_F
ClientSampleId :
SS9-0-2IN

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.3	33.5
229	20.1	15.9	23.9

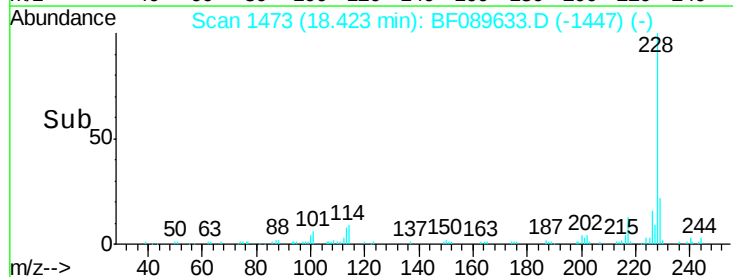
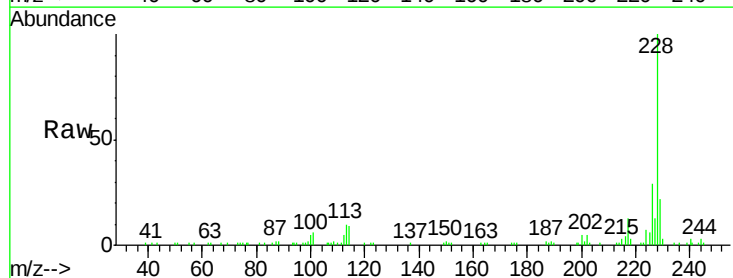
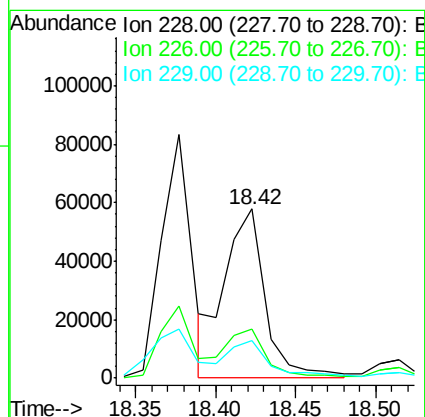
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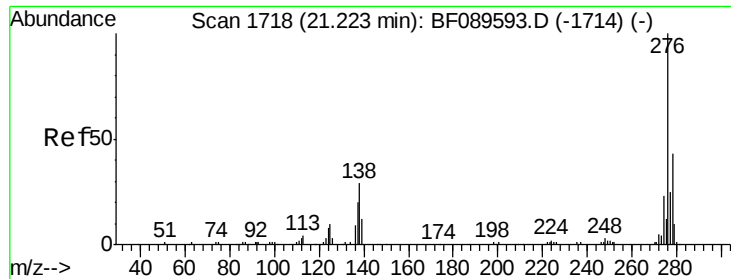
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#82
Chrysene
Concen: 17.28 ng m
RT: 18.42 min Scan# 1473
Delta R.T. 0.00 min
Lab File: BF089633.D
Acq: 5 Aug 2016 16:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.2	36.2
229	22.2	16.0	24.0





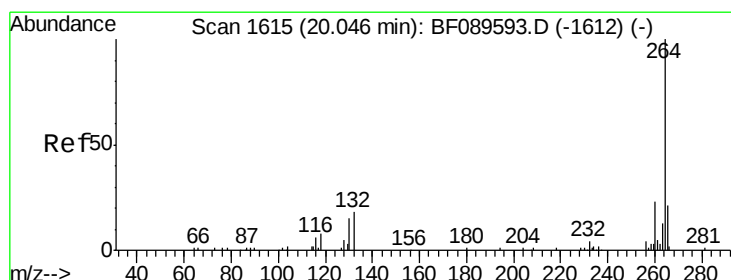
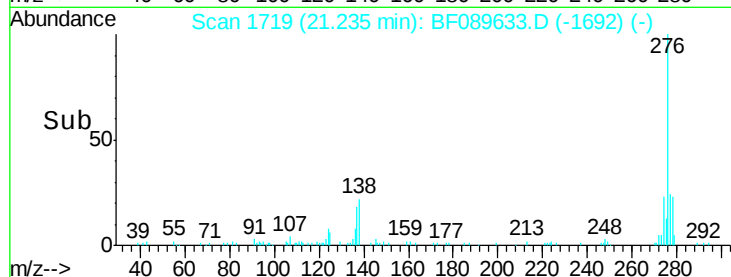
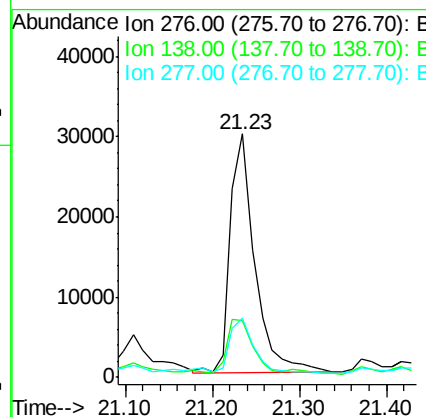
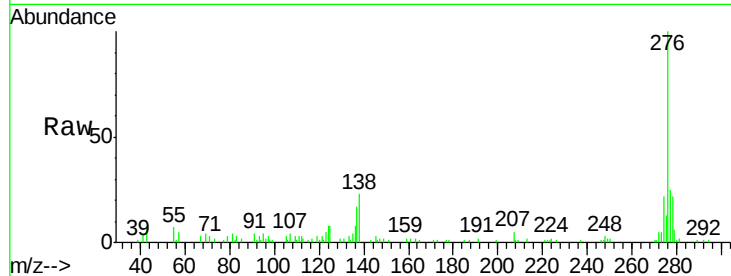
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.05 ng
 RT: 21.23 min Scan# 1719
 Delta R.T. 0.01 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Instrument :
 BNA_F
 ClientSampleId :
 SS9-0-2IN

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	23.8	35.8#
277	25.6	20.3	30.5

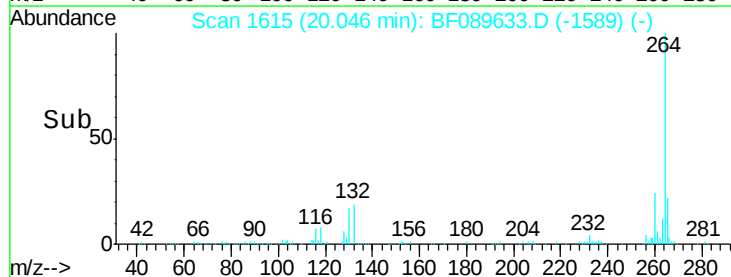
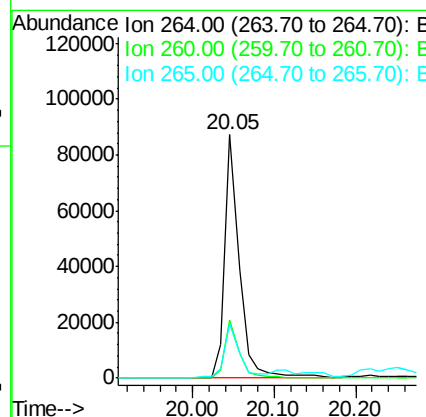
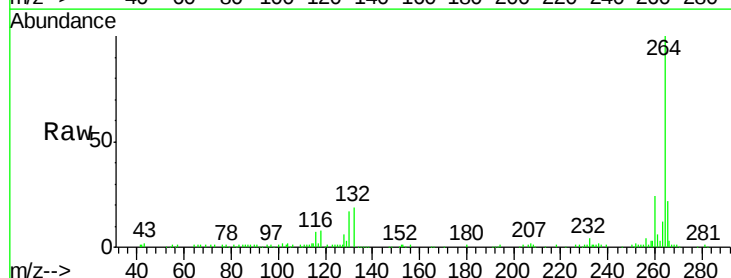
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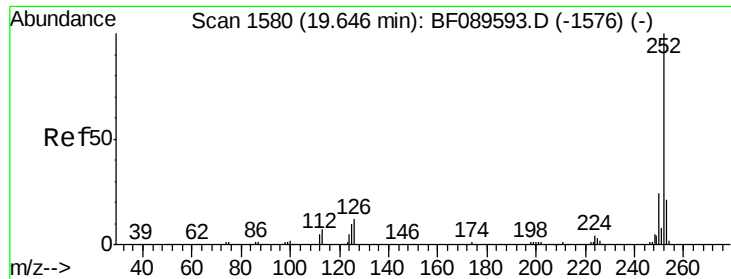
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.05 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.1	16.5	24.7





#87

Benzo(b)fluoranthene

Concen: 17.37 ng m

RT: 19.65 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

Instrument :

BNA_F

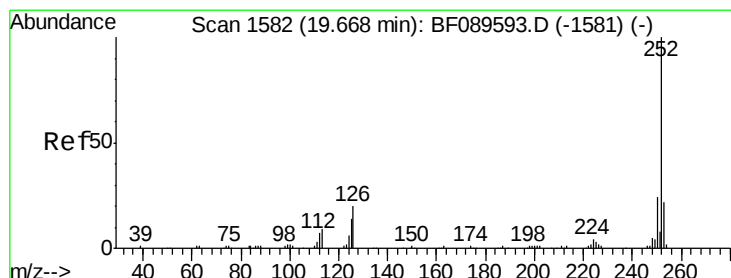
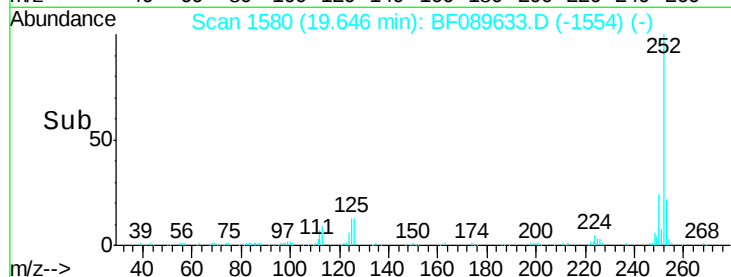
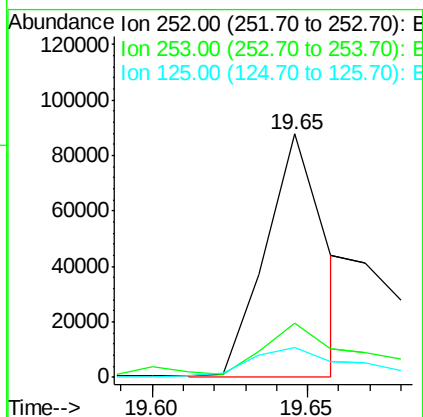
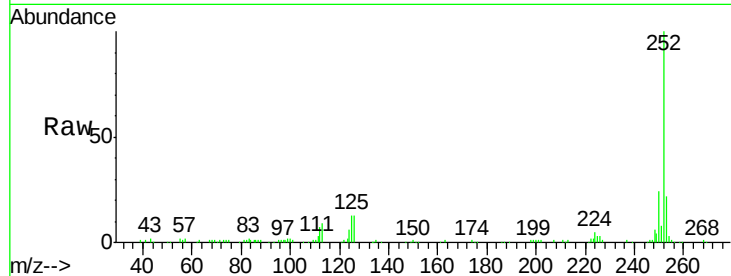
ClientSampleId :

SS9-0-2IN

Tgt Ion:	252	Resp:	116246
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.1	25.7
125	12.5	7.8	11.8#

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#88

Benzo(k)fluoranthene

Concen: 8.68 ng m

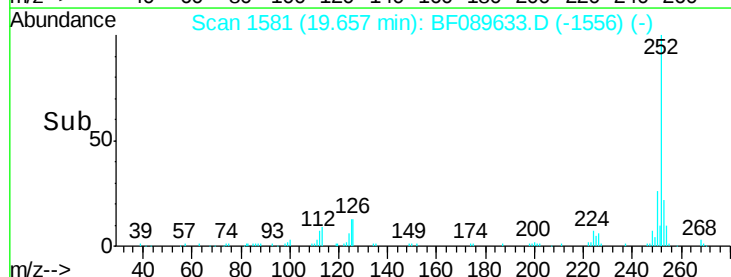
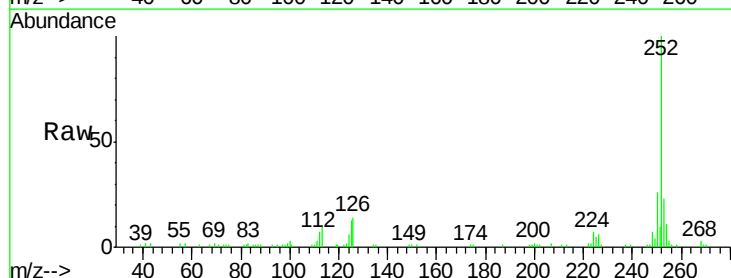
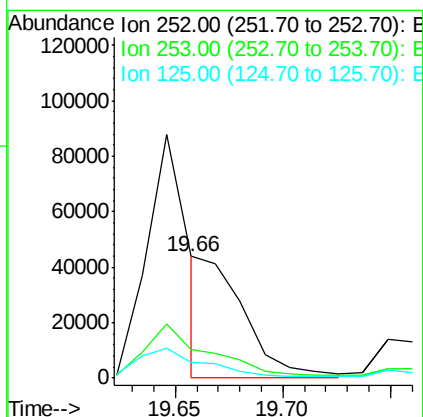
RT: 19.66 min Scan# 1581

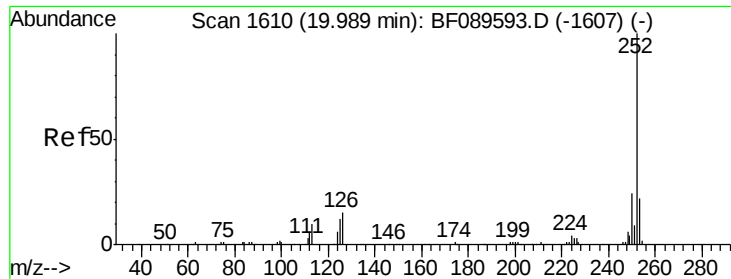
Delta R.T. -0.01 min

Lab File: BF089633.D

Acq: 5 Aug 2016 16:36

Tgt Ion:	252	Resp:	58637
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.3	25.9
125	13.4	11.0	16.6





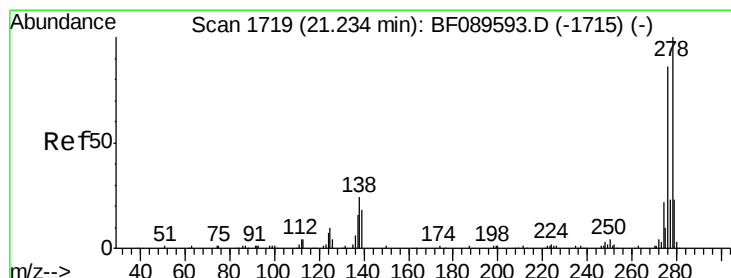
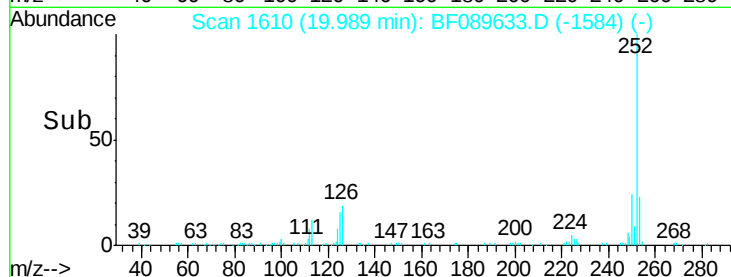
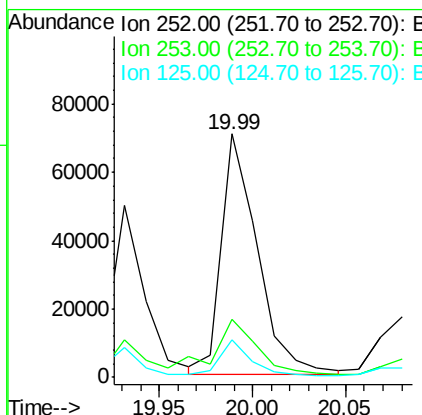
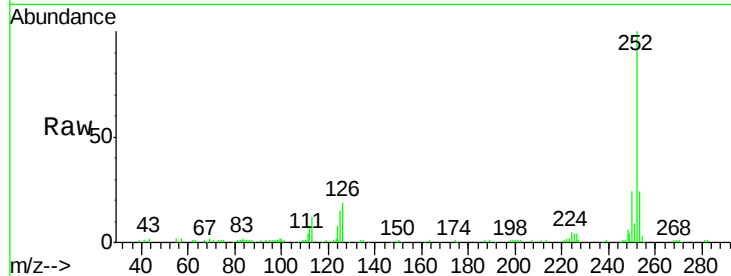
#89
Benzo(a)pyrene
Concen: 15.36 ng
RT: 19.99 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF089633.D
Acq: 5 Aug 2016 16:36

Instrument :
BNA_F
ClientSampleId :
SS9-0-2IN

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	15.2	9.9	14.9

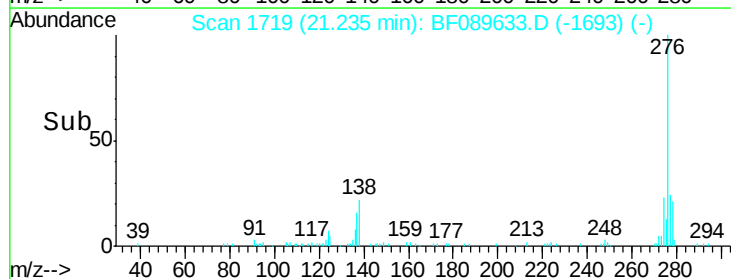
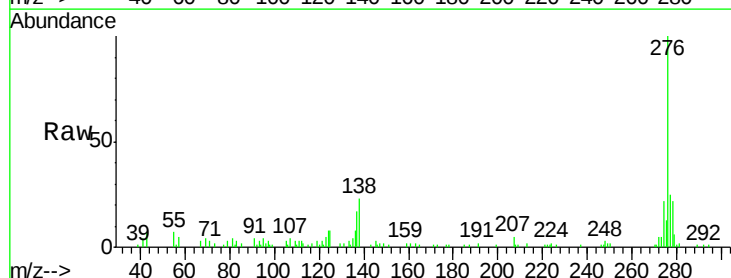
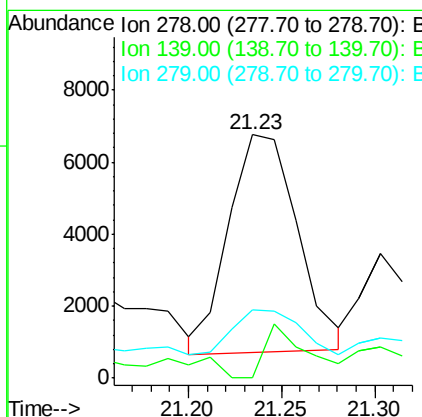
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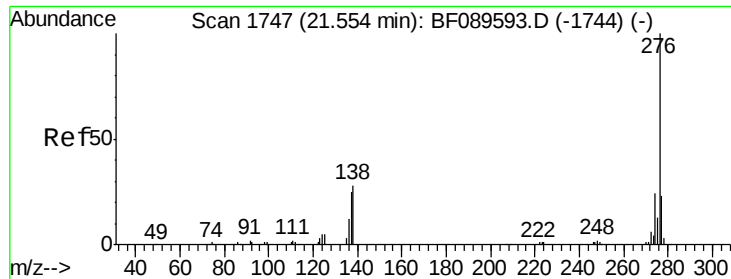
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#90
Dibenzo(a,h)anthracene
Concen: 2.66 ng
RT: 21.23 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BF089633.D
Acq: 5 Aug 2016 16:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.6	21.8
279	27.8	18.4	27.6





#91
 Benzo(g,h,i)perylene
 Concen: 8.81 ng
 RT: 21.57 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: BF089633.D
 Acq: 5 Aug 2016 16:36

Instrument :
 BNA_F
 ClientSampleId :
 SS9-0-2IN

Tgt Ion:	276	Resp:	52811
Ion Ratio		Lower	Upper
276	100		
277	25.5	18.6	28.0
138	27.1	22.6	33.8

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