

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
 Data File : BF089629.D
 Acq On : 5 Aug 2016 14:21
 Operator : UM/SJ
 Sample : H4292-02
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS6-0-2IN

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Quant Time: Aug 05 23:24:47 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	50369	20.00	ng	-0.01
21) Naphthalene-d8	9.46	136	215320	20.00	ng	-0.01
38) Acenaphthene-d10	12.28	164	97899	20.00	ng	-0.01
63) Phenanthrene-d10	14.69	188	172036	20.00	ng	-0.01
75) Chrysene-d12	18.39	240	100886	20.00	ng	0.00
86) Perylene-d12	20.05	264	101160	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	292728	97.41	ng	0.02
7) Phenol-d6	6.98	99	389312	95.50	ng	0.00
23) Nitrobenzene-d5	8.35	82	248250	63.77	ng	-0.01
41) 2,4,6-Tribromophenol	13.58	330	73513	90.99	ng	-0.01
44) 2-Fluorobiphenyl	11.24	172	455044	60.41	ng	-0.01
78) Terphenyl-d14	17.05	244	309218	60.51	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	11.94	163	81824	10.66	ng	99
70) Phenanthrene	14.72	178	67668	7.23	ng	100
71) Anthracene	14.82	178	24426	2.44	ng	96
74) Fluoranthene	16.49	202	143838	14.96	ng	97
77) Pyrene	16.79	202	121926	13.67	ng	96
80) Benzo(a)anthracene	18.38	228	62612m	10.80	ng	
82) Chrysene	18.42	228	53034	8.72	ng	97
85) Indeno(1,2,3-cd)pyrene	21.23	276	43146	9.34	ng	94
87) Benzo(b)fluoranthene	19.65	252	71341m	11.47	ng	
88) Benzo(k)fluoranthene	19.66	252	38133m	6.08	ng	
89) Benzo(a)pyrene	19.99	252	60392	10.37	ng	# 91
91) Benzo(g,h,i)perylene	21.57	276	40312	7.24	ng	98

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

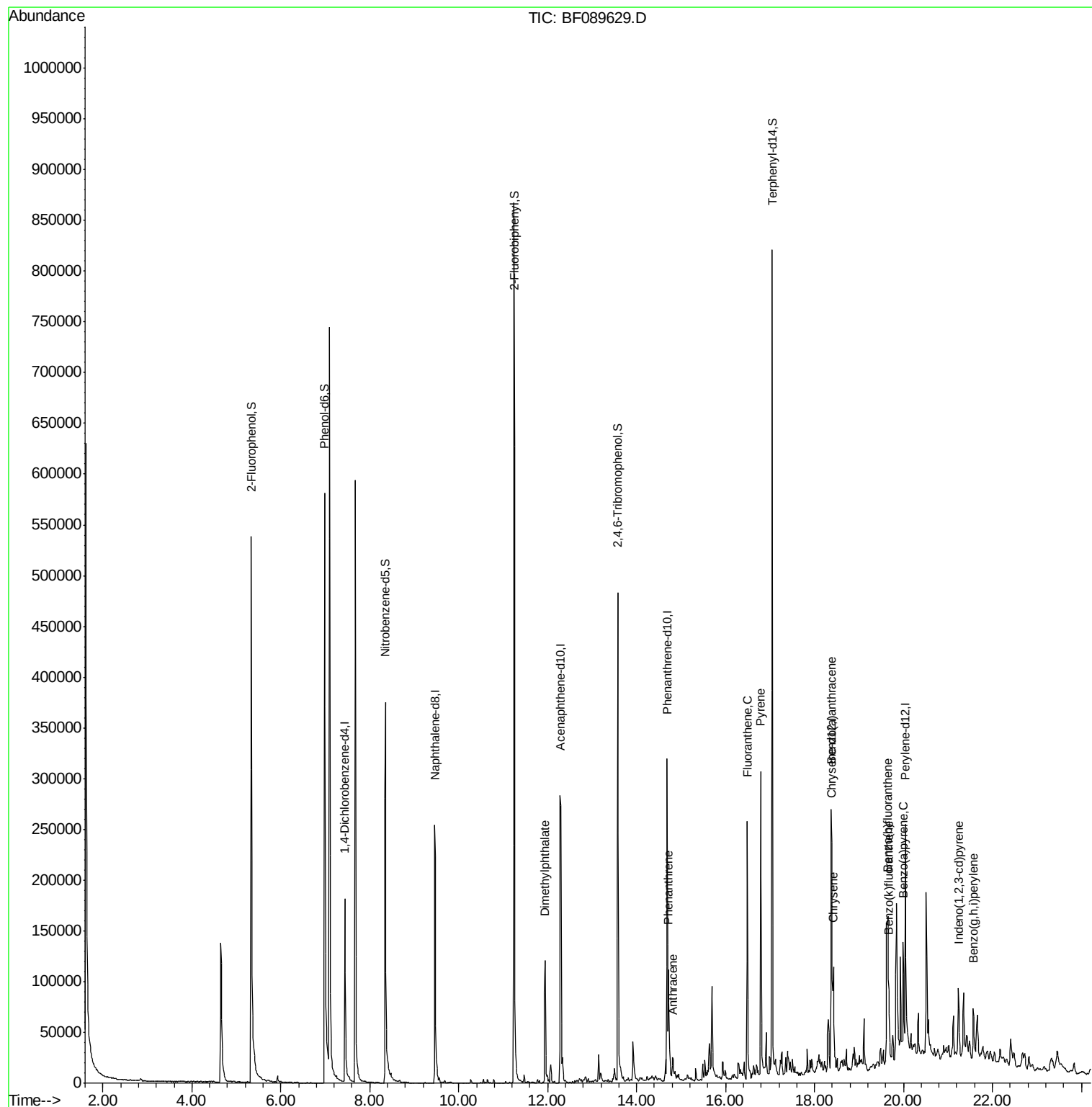
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
Data File : BF089629.D
Acq On : 5 Aug 2016 14:21
Operator : UM/SJ
Sample : H4292-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

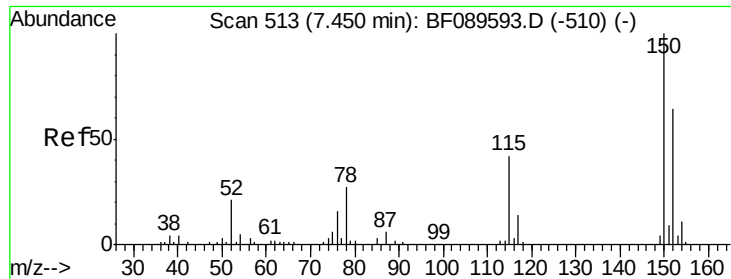
Instrument :
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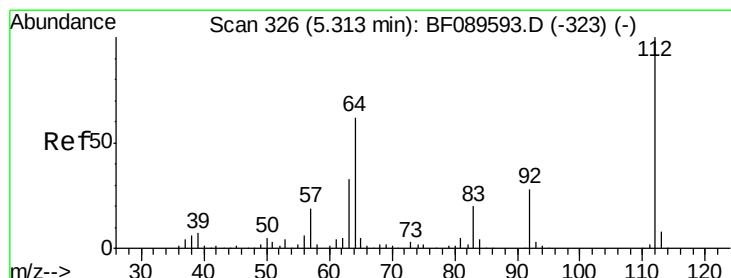
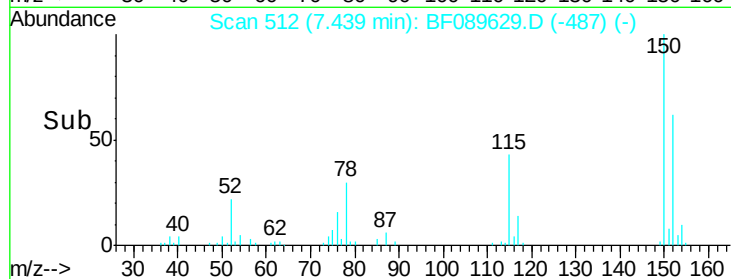
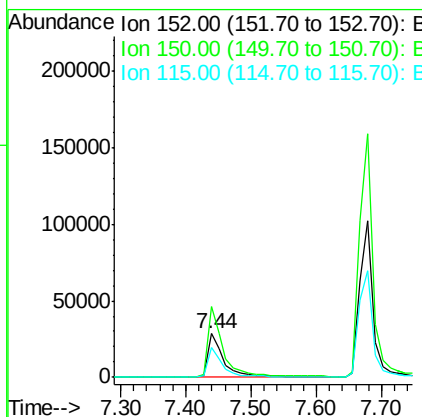
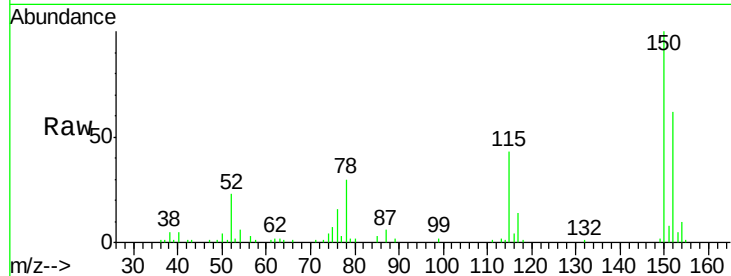
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.44 min Scan# 512
 Delta R.T. -0.01 min
 Lab File: BF089629.D
 Acq: 5 Aug 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 SS6-0-2IN

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.1	125.5	188.3
115	68.7	52.0	78.0

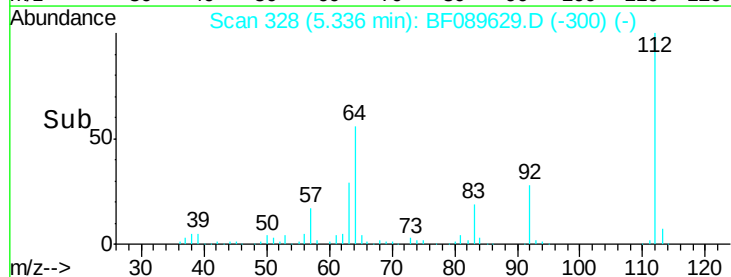
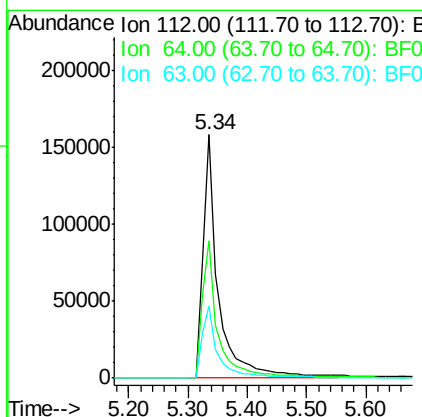
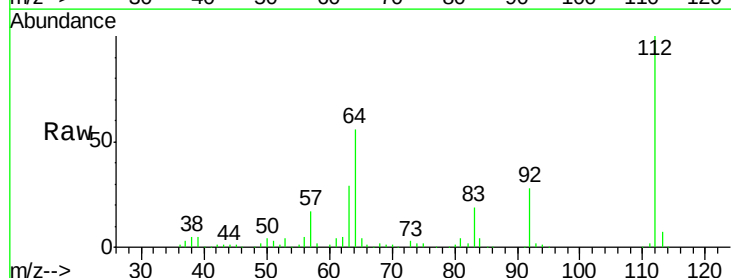
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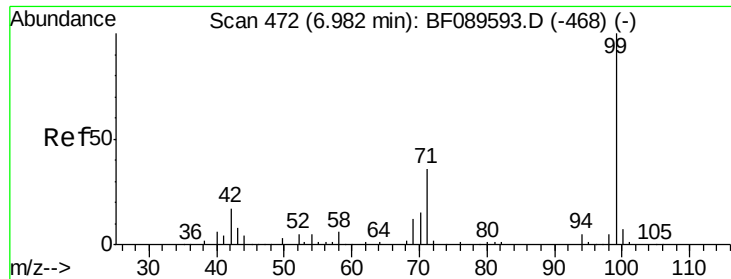
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#5
 2-Fluorophenol
 Concen: 97.41 ng
 RT: 5.34 min Scan# 328
 Delta R.T. 0.02 min
 Lab File: BF089629.D
 Acq: 5 Aug 2016 14:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	49.9	74.9
63	29.5	26.1	39.1





#7

Phenol-d6

Concen: 95.50 ng

RT: 6.98 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF089629.D

Acq: 5 Aug 2016 14:21

Instrument :

BNA_F

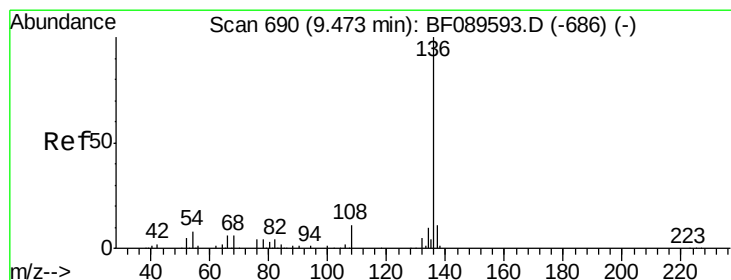
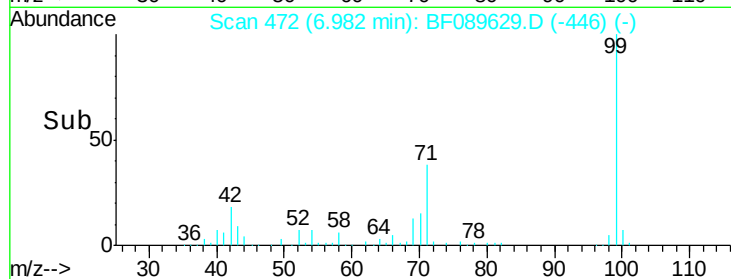
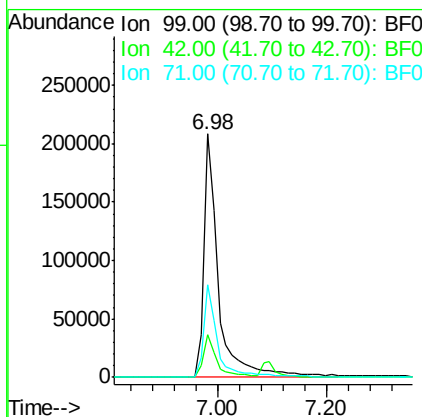
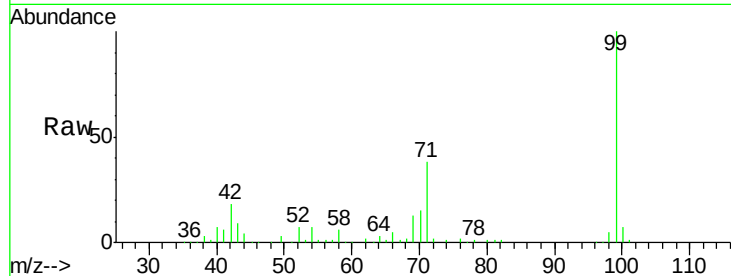
ClientSampled :

SS6-0-2IN

Tgt Ion:	99	Resp:	389312
Ion Ratio	Lower	Upper	
99	100		
42	17.8	13.7	20.5
71	38.1	29.0	43.4

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#21

Naphthalene-d8

Concen: 20.00 ng

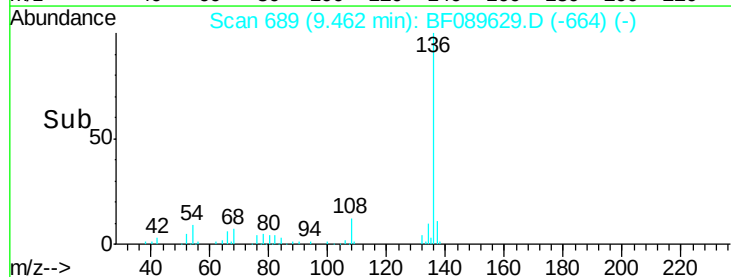
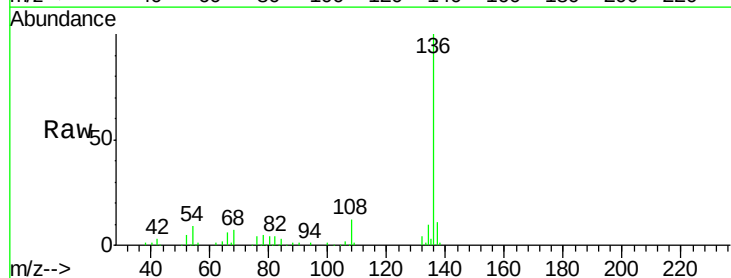
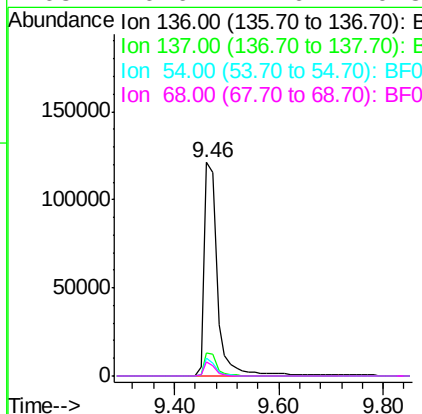
RT: 9.46 min Scan# 689

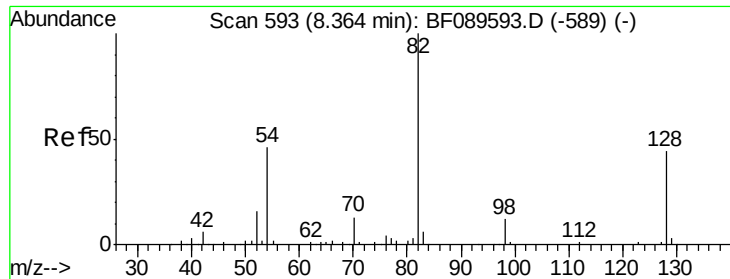
Delta R.T. -0.01 min

Lab File: BF089629.D

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Tgt Ion:	136	Resp:	215320
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	12.8
54	8.6	6.0	9.0
68	6.6	4.6	6.8





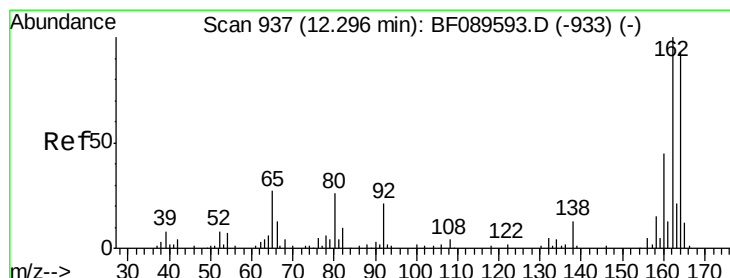
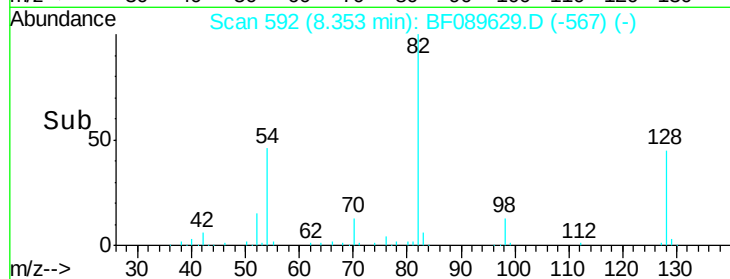
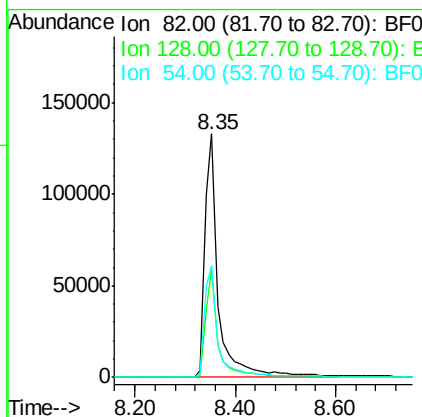
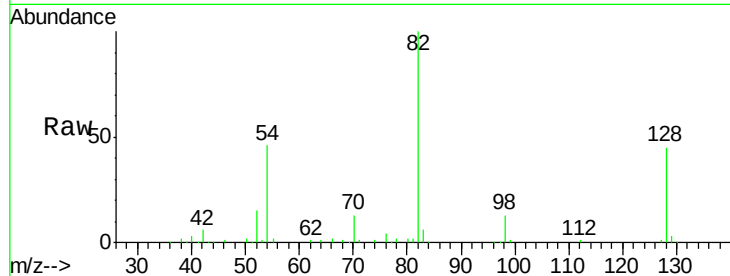
#23
Nitrobenzene-d5
Concen: 63.77 ng
RT: 8.35 min Scan# 592
Delta R.T. -0.01 min
Lab File: BF089629.D
Acq: 5 Aug 2016 14:21

Instrument :
BNA_F
ClientSampleId :
SS6-0-2IN

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	248250		
128	44.6	35.4	53.0	
54	45.9	36.4	54.6	

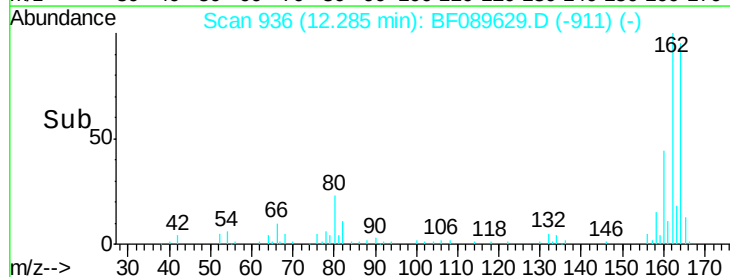
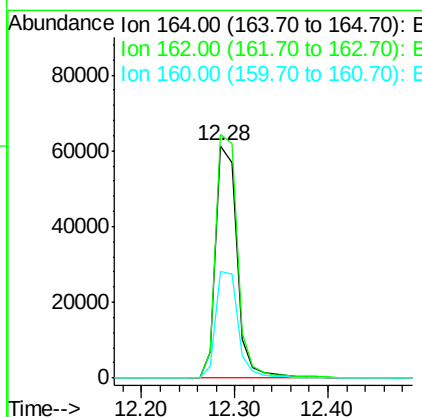
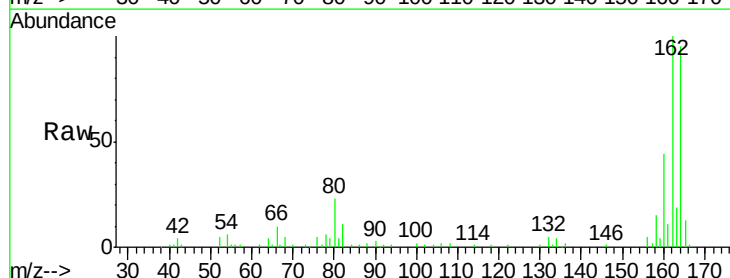
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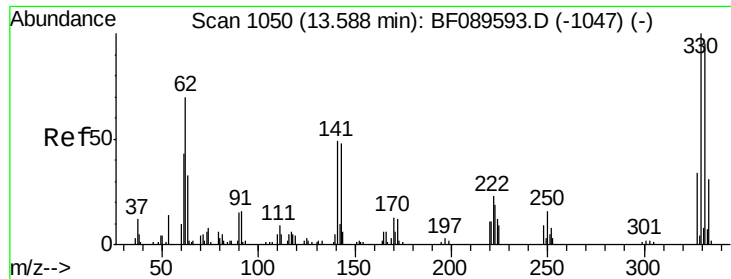
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.28 min Scan# 936
Delta R.T. -0.01 min
Lab File: BF089629.D
Acq: 5 Aug 2016 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97899		
162	104.8	85.7	128.5	
160	46.1	38.2	57.4	





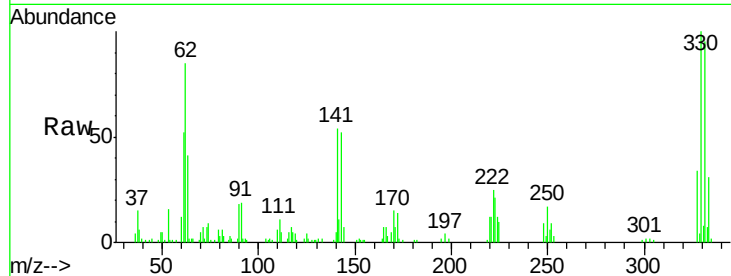
#41
 2,4,6-Tribromophenol
 Concen: 90.99 ng
 RT: 13.58 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BF089629.D
 Acq: 5 Aug 2016 14:21

Instrument :
 BNA_F
 ClientSampled :
 SS6-0-2IN

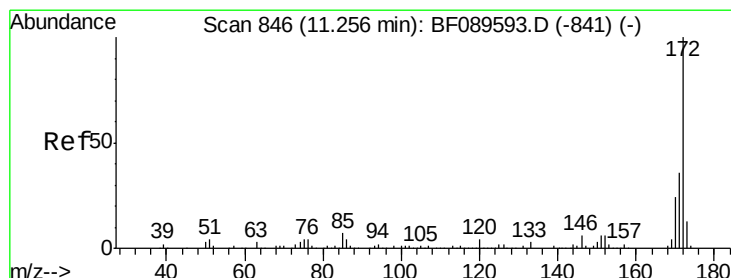
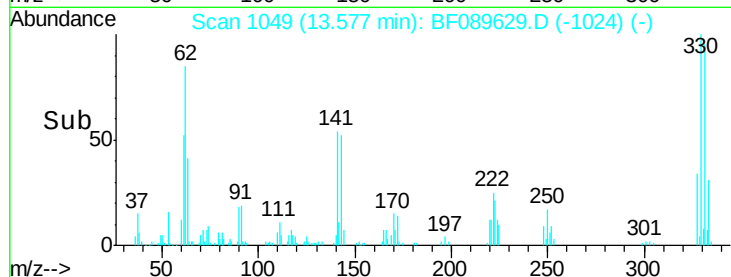
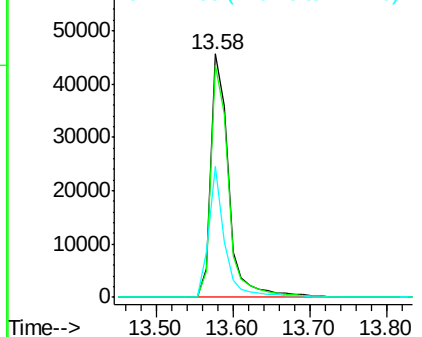
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	48.1	38.6	57.8

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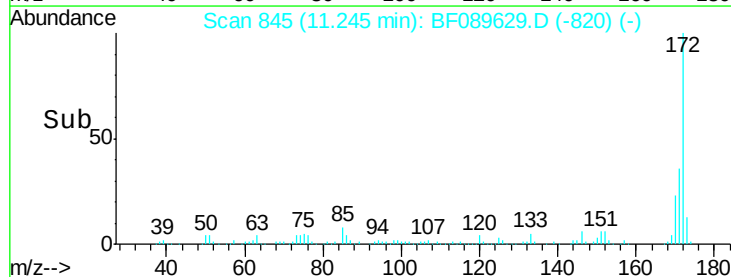
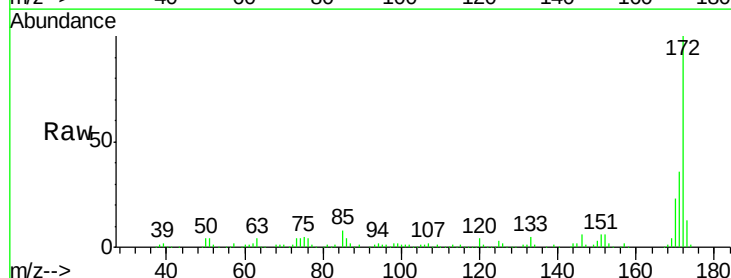
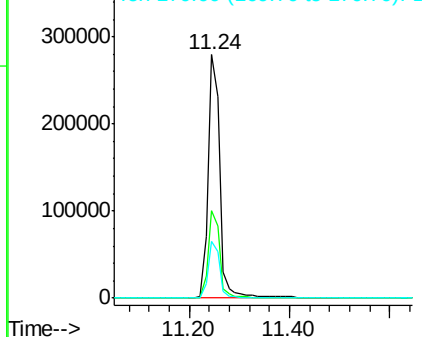
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

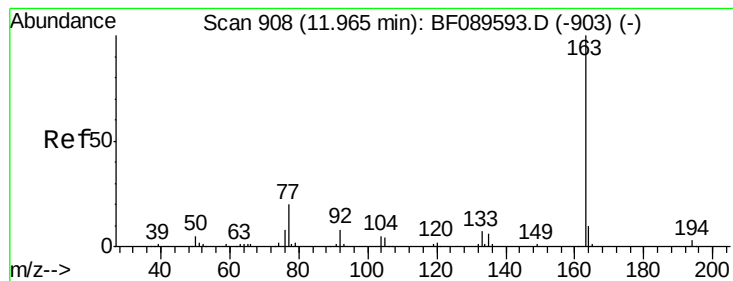


#44
 2-Fluorobiphenyl
 Concen: 60.41 ng
 RT: 11.24 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BF089629.D
 Acq: 5 Aug 2016 14:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.9	43.3
170	23.2	19.0	28.6

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 10.66 ng

RT: 11.94 min Scan# 906

Delta R.T. -0.02 min

Lab File: BF089629.D

Acq: 5 Aug 2016 14:21

Instrument :

BNA_F

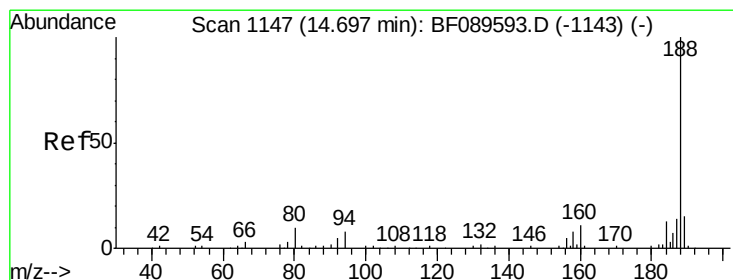
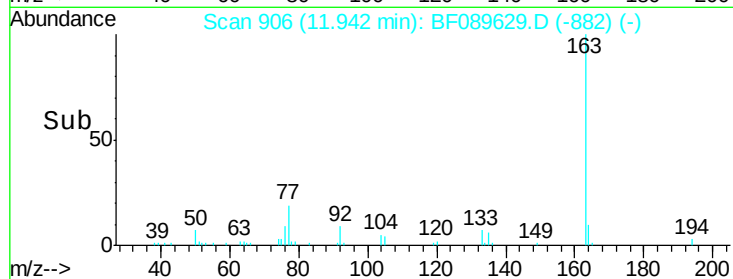
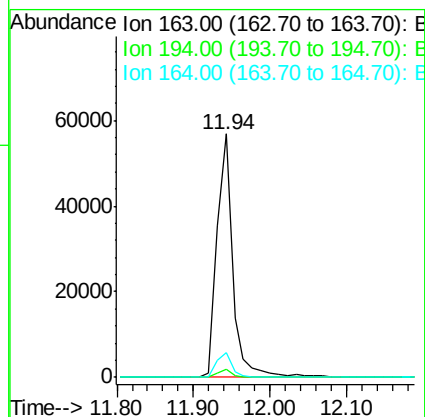
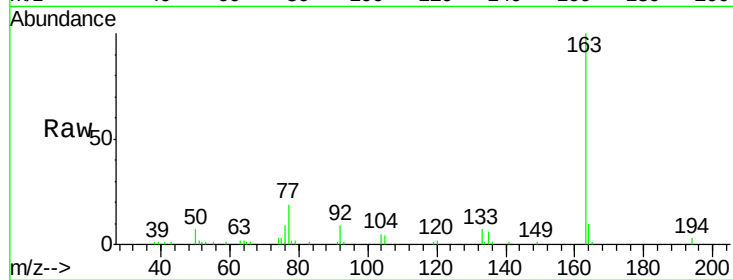
ClientSampleId :

SS6-0-2IN

Tgt Ion:	163	Resp:	81824
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	9.9	7.8	11.6

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#63

Phenanthrene-d10

Concen: 20.00 ng

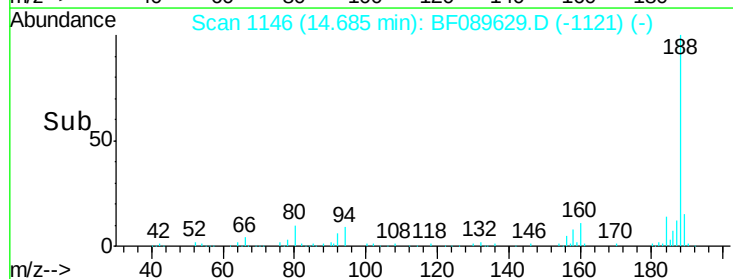
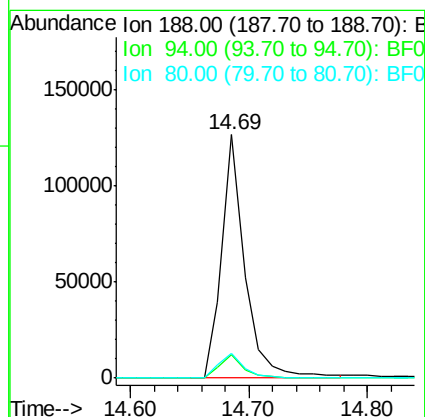
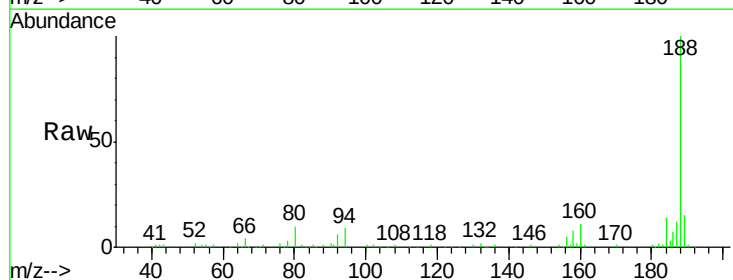
RT: 14.69 min Scan# 1146

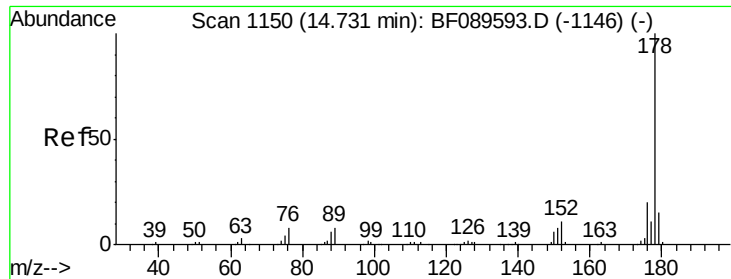
Delta R.T. -0.01 min

Lab File: BF089629.D

Acq: 5 Aug 2016 14:21

Tgt Ion:	188	Resp:	172036
Ion Ratio	Lower	Upper	
188	100		
94	9.4	6.5	9.7
80	10.4	8.0	12.0





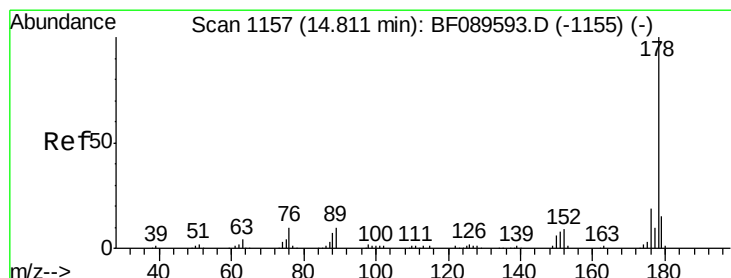
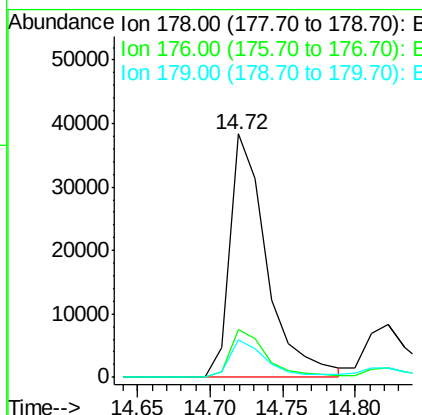
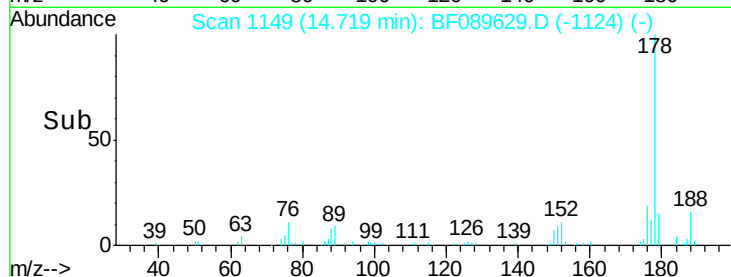
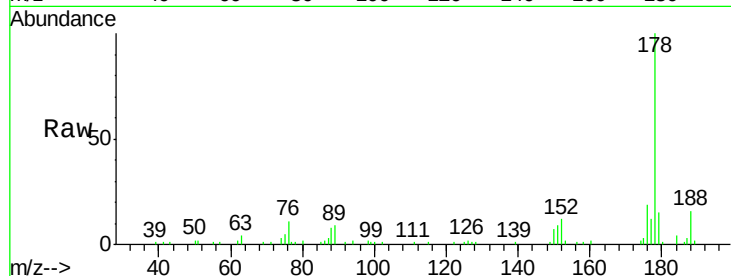
#70
Phenanthrene
Concen: 7.23 ng
RT: 14.72 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF089629.D
Acq: 5 Aug 2016 14:21

Instrument :
BNA_F
ClientSampleId :
SS6-0-2IN

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.5	12.2	18.2

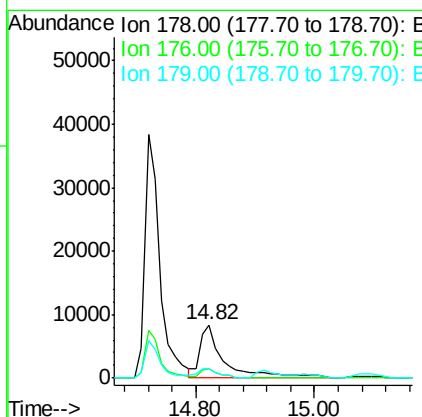
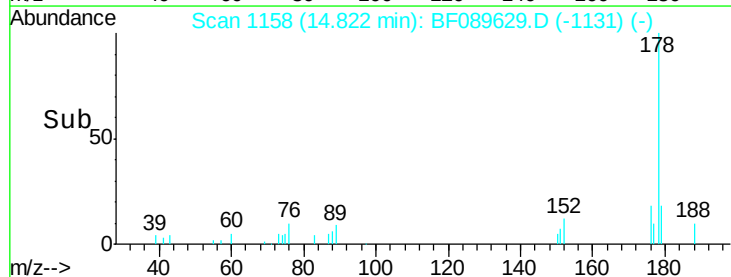
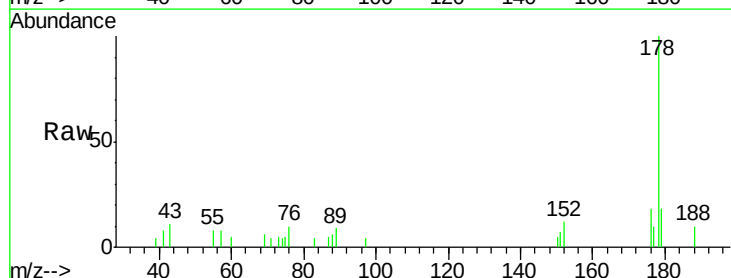
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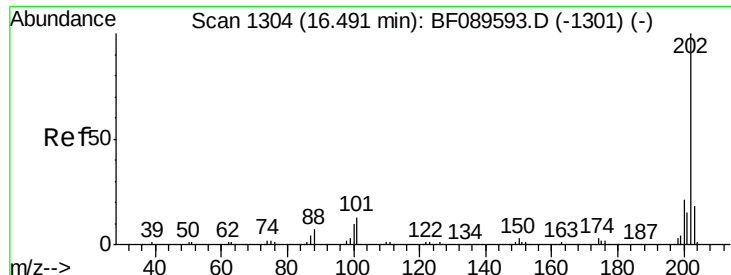
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#71
Anthracene
Concen: 2.44 ng
RT: 14.82 min Scan# 1158
Delta R.T. 0.01 min
Lab File: BF089629.D
Acq: 5 Aug 2016 14:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.0	22.4
179	18.1	12.4	18.6





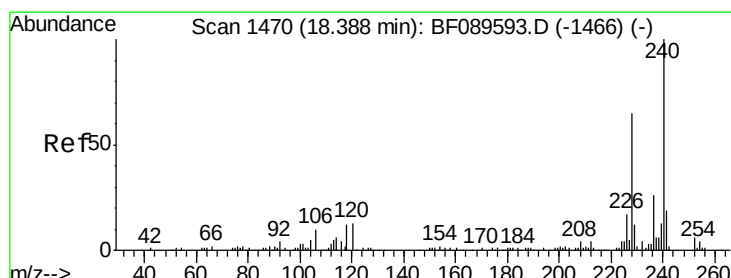
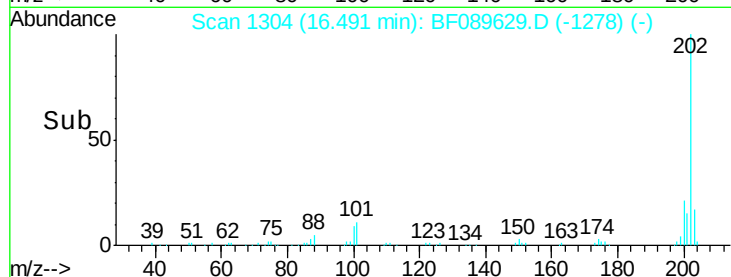
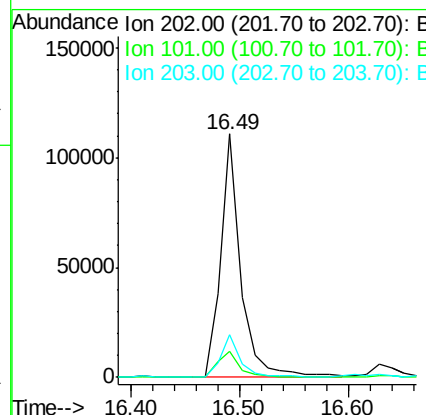
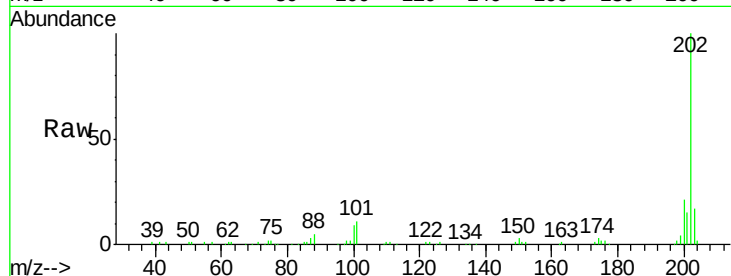
#74
 Fluoranthene
 Concen: 14.96 ng
 RT: 16.49 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF089629.D
 Acq: 5 Aug 2016 14:21

Instrument :
 BNA_F
 ClientSampled :
 SS6-0-2IN

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.9	0.0	32.7
203	17.3	0.0	37.8

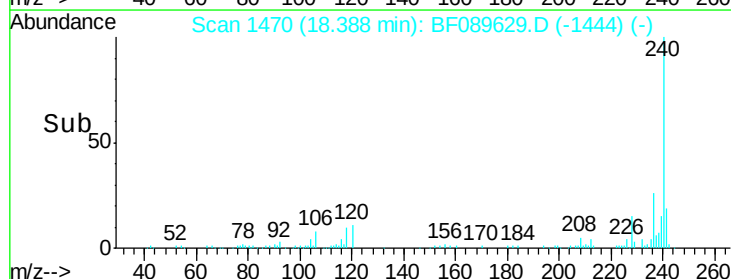
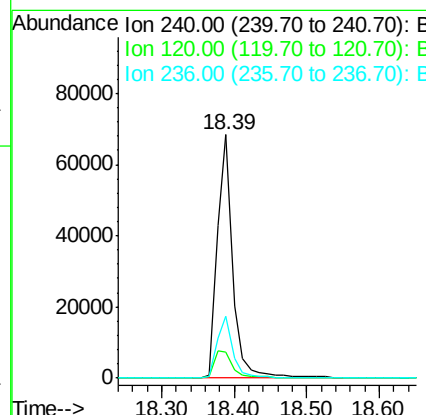
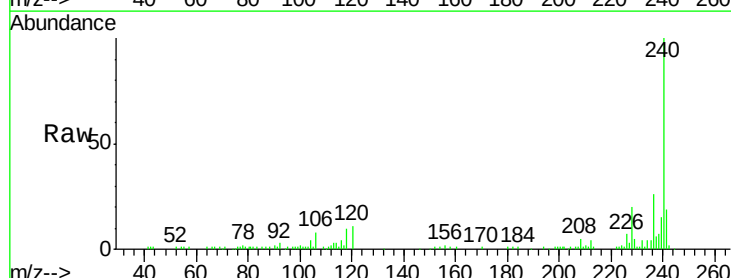
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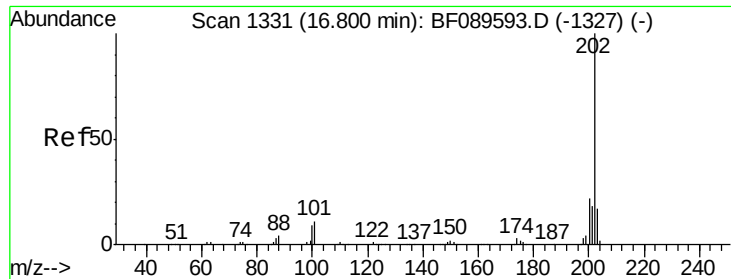
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.39 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: BF089629.D
 Acq: 5 Aug 2016 14:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.8	10.6	15.8
236	25.6	20.6	30.8





#77

Pyrene

Concen: 13.67 ng

RT: 16.79 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF089629.D

Acq: 5 Aug 2016 14:21

Instrument :

BNA_F

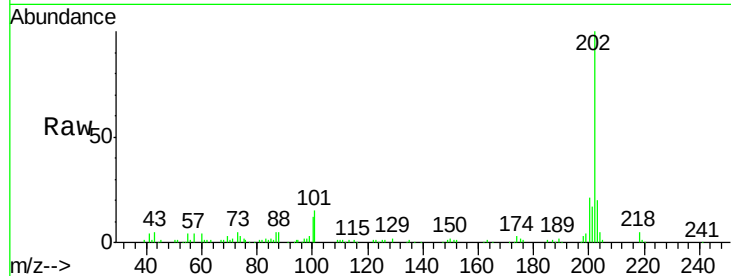
ClientSampleId :

SS6-0-2IN

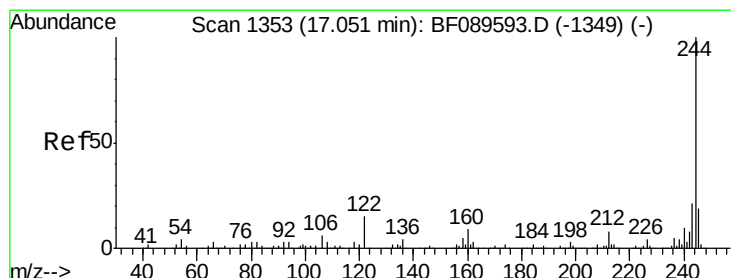
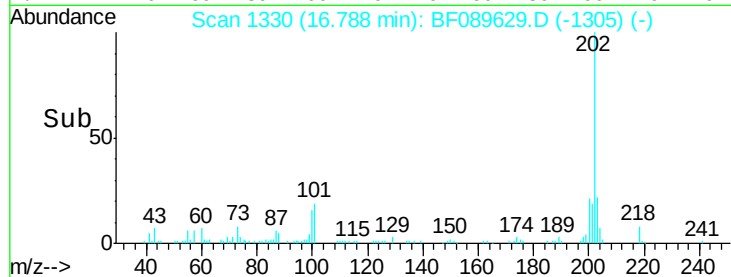
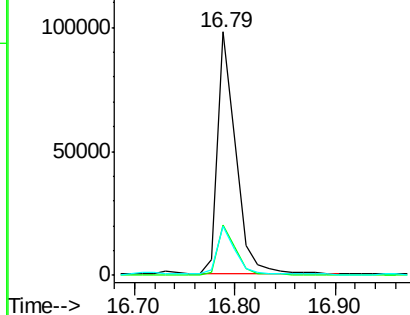
Tgt Ion:	202	Resp:	121926
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.4	26.0
203	20.0	13.6	20.4

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 60.51 ng

RT: 17.05 min Scan# 1353

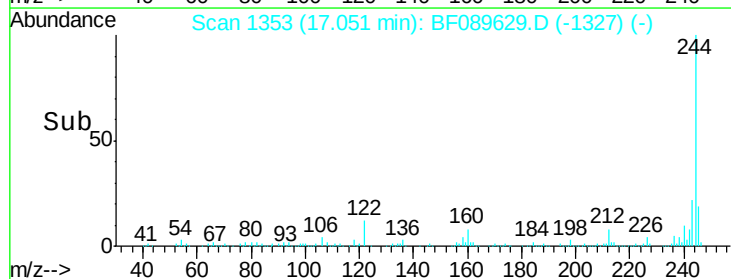
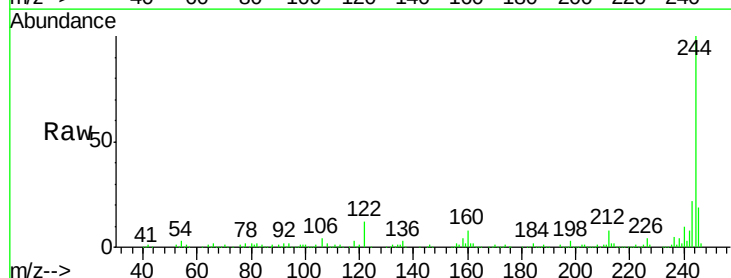
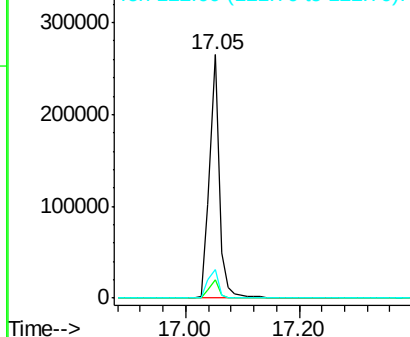
Delta R.T. 0.00 min

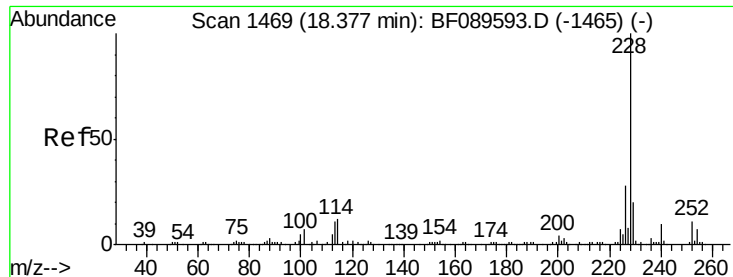
Lab File: BF089629.D

Acq: 5 Aug 2016 14:21

Tgt Ion:	244	Resp:	309218
Ion Ratio		Lower	Upper
244	100		
212	7.8	6.4	9.6
122	11.6	12.2	18.2#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





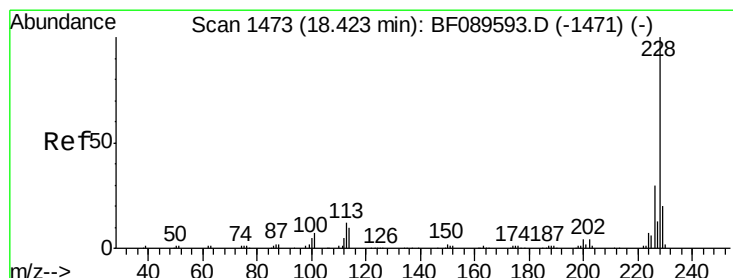
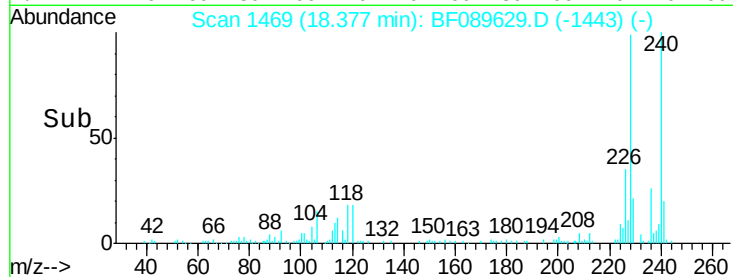
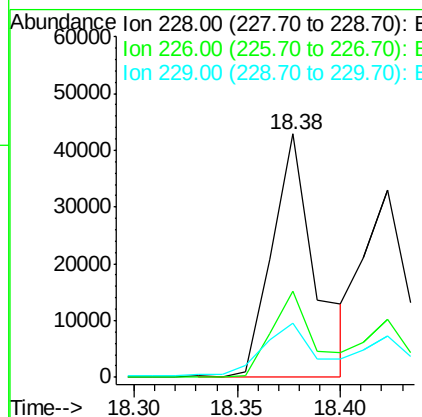
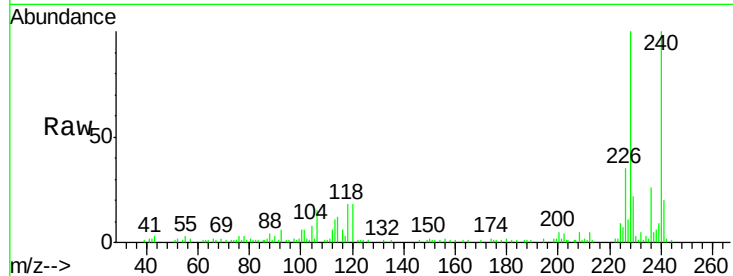
#80
Benzo(a)anthracene
Concen: 10.80 ng m
RT: 18.38 min Scan# 1469
Delta R.T. 0.00 min
Lab File: BF089629.D
Acq: 5 Aug 2016 14:21

Instrument :
BNA_F
ClientSampleId :
SS6-0-2IN

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.6	22.3	33.5#
229	22.0	15.9	23.9

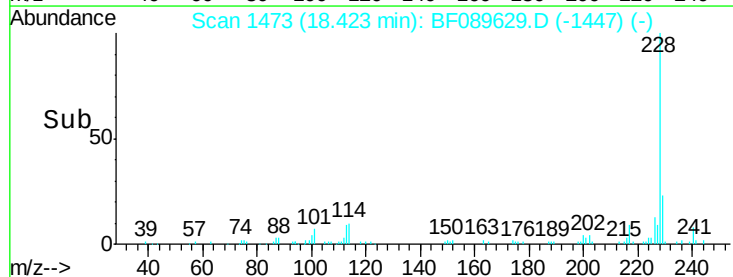
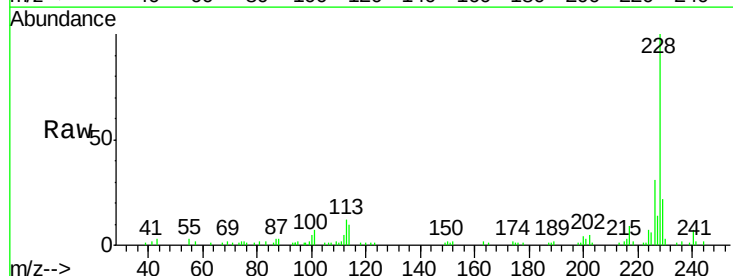
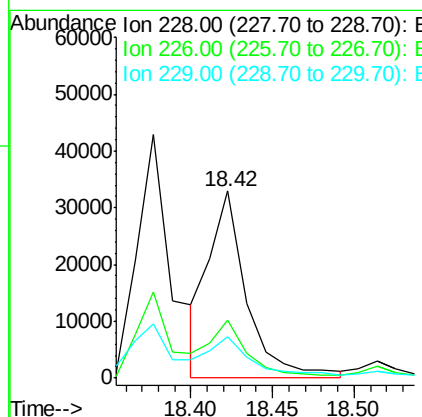
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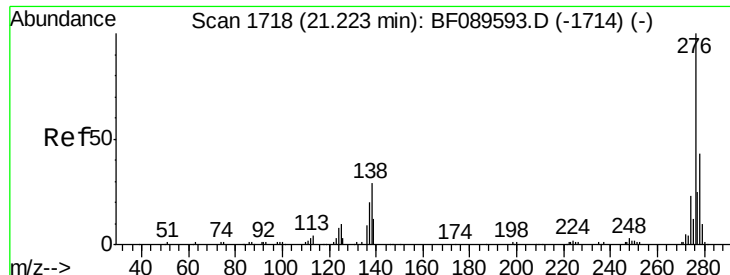
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#82
Chrysene
Concen: 8.72 ng
RT: 18.42 min Scan# 1473
Delta R.T. 0.00 min
Lab File: BF089629.D
Acq: 5 Aug 2016 14:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.2	36.2
229	22.2	16.0	24.0





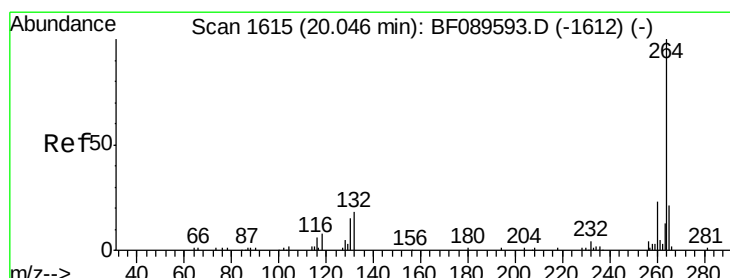
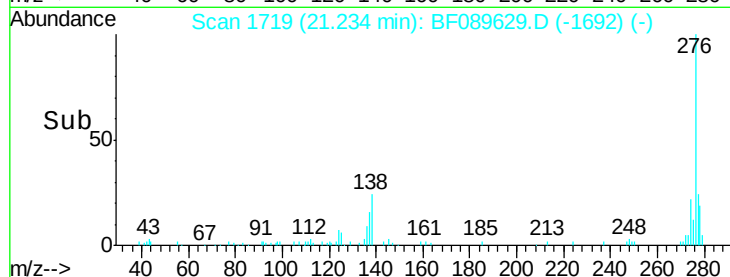
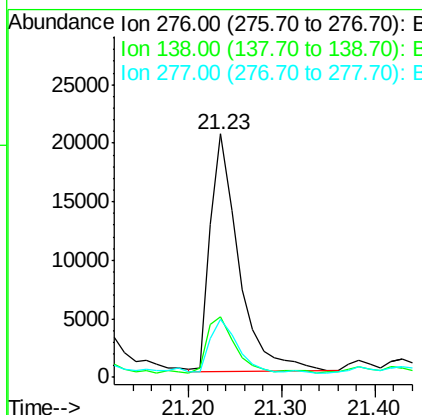
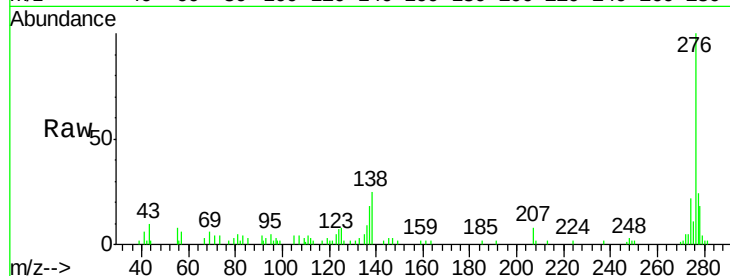
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.34 ng
 RT: 21.23 min Scan# 1719
 Delta R.T. 0.01 min
 Lab File: BF089629.D
 Acq: 5 Aug 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 SS6-0-2IN

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.5	23.8	35.8
277	22.3	20.3	30.5

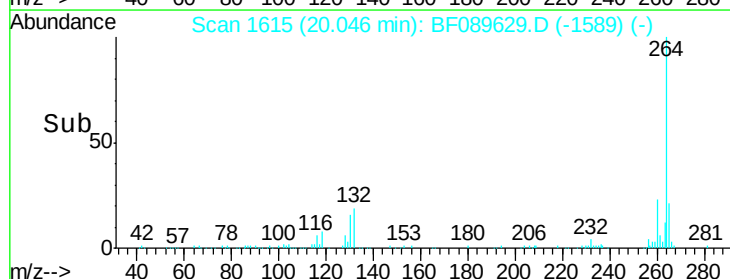
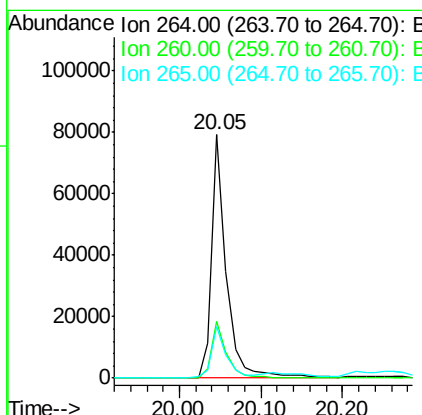
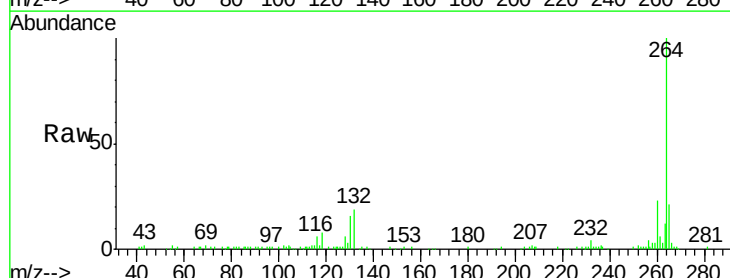
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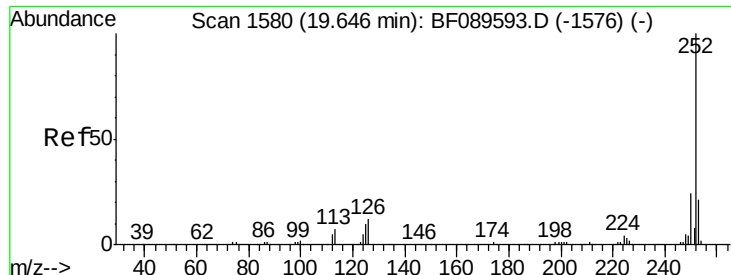
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.05 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF089629.D
 Acq: 5 Aug 2016 14:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.4	16.5	24.7





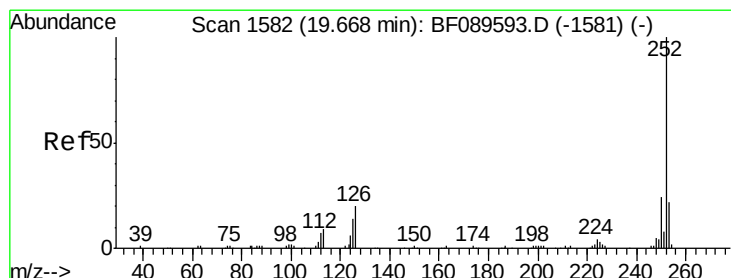
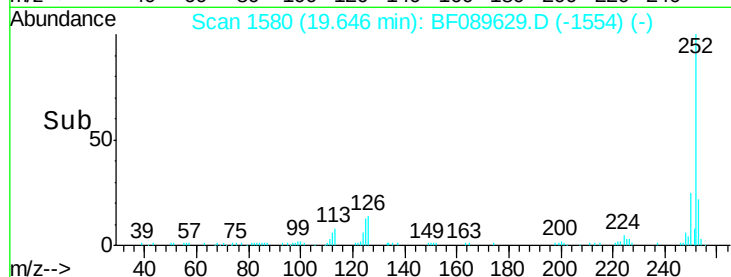
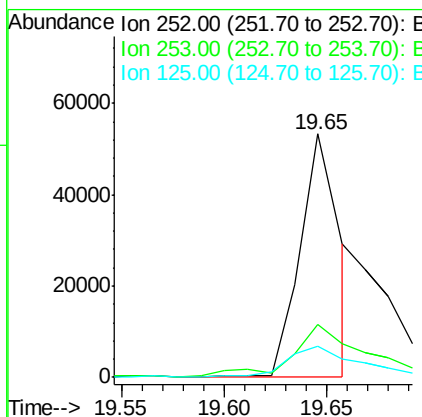
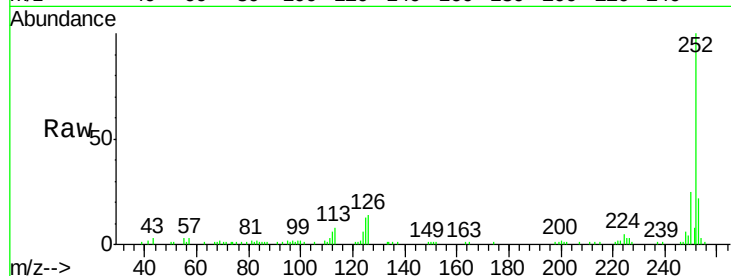
#87
Benzo(b)fluoranthene
Concen: 11.47 ng m
RT: 19.65 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF089629.D
Acq: 5 Aug 2016 14:21

Instrument :
BNA_F
ClientSampleId :
SS6-0-2IN

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	12.7	7.8	11.8

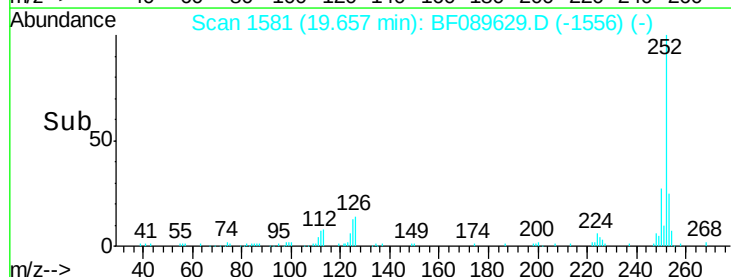
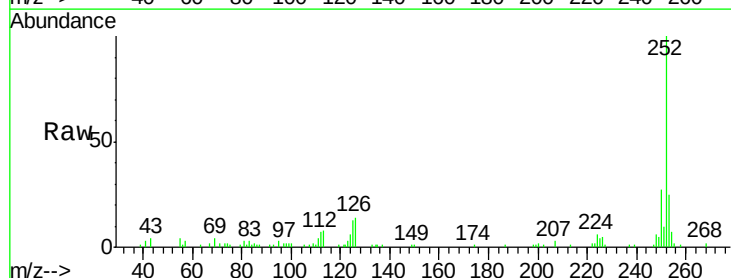
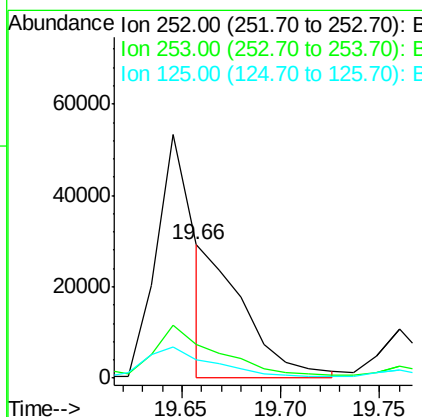
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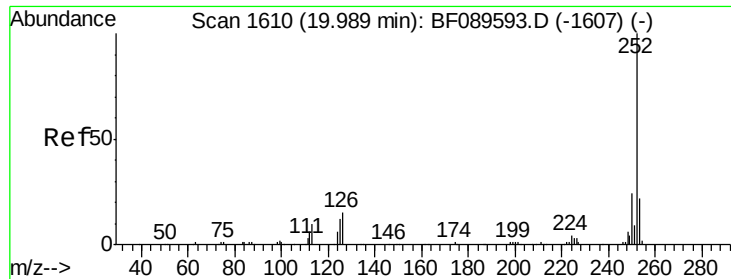
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#88
Benzo(k)fluoranthene
Concen: 6.08 ng m
RT: 19.66 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF089629.D
Acq: 5 Aug 2016 14:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.3	25.9
125	13.4	11.0	16.6





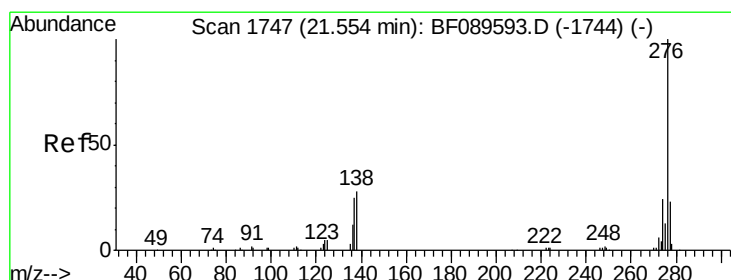
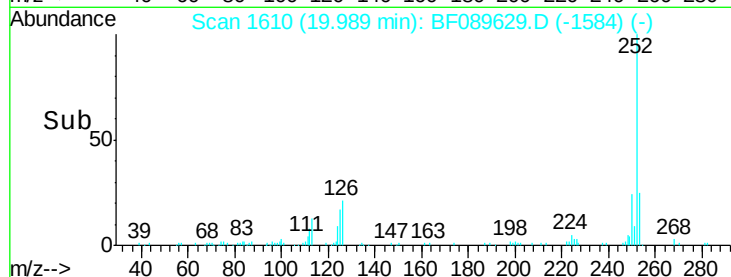
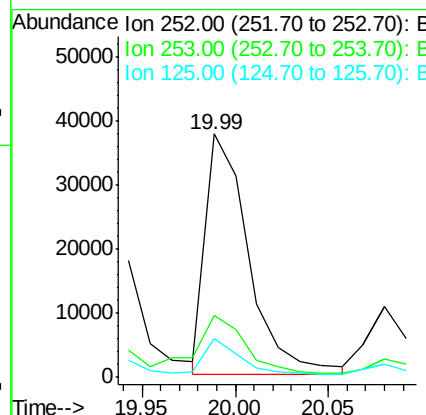
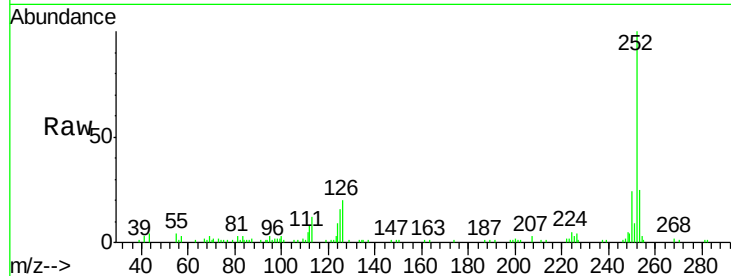
#89
Benzo(a)pyrene
Concen: 10.37 ng
RT: 19.99 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF089629.D
Acq: 5 Aug 2016 14:21

Instrument :
BNA_F
ClientSampleID :
SS6-0-2IN

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.4	26.0
125	16.2	9.9	14.9

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#91
Benzo(g,h,i)perylene
Concen: 7.24 ng
RT: 21.57 min Scan# 1748
Delta R.T. 0.01 min
Lab File: BF089629.D
Acq: 5 Aug 2016 14:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	28.0
138	28.5	22.6	33.8

