

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
 Data File : BF089817.D
 Acq On : 20 Aug 2016 00:52
 Operator : UM/SJ
 Sample : H4518-14
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2(0-5)

Manual Integrations
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Quant Time: Aug 22 02:34:41 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	589771	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	1991449	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	862191	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	1324780	20.00	ng	0.00
75) Chrysene-d12	13.86	240	1052508	20.00	ng	-0.01
86) Perylene-d12	15.35	264	1187530	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	3039019	88.37	ng	0.01
7) Phenol-d6	6.32	99	3513642	83.23	ng	0.00
23) Nitrobenzene-d5	7.24	82	2121340	66.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.50	330	722260	88.15	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	3807030	77.61	ng	0.00
78) Terphenyl-d14	12.78	244	2349185	50.49	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	925341	15.24	ng	99
70) Phenanthrene	11.21	178	961644	14.37	ng	98
71) Anthracene	11.27	178	225983	3.32	ng	96
74) Fluoranthene	12.40	202	1101172	17.30	ng	98
77) Pyrene	12.62	202	1009715m	11.78	ng	
80) Benzo(a)anthracene	13.85	228	493893	8.19	ng	98
82) Chrysene	13.89	228	413770	8.01	ng	96
85) Indeno(1,2,3-cd)pyrene	16.63	276	280154	4.25	ng	91
87) Benzo(b)fluoranthene	14.96	252	596140m	9.13	ng	
88) Benzo(k)fluoranthene	14.97	252	244352m	4.12	ng	
89) Benzo(a)pyrene	15.29	252	493402	7.98	ng	# 95
91) Benzo(a,h,i)perylene	17.02	276	288626	4.08	ng	96

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

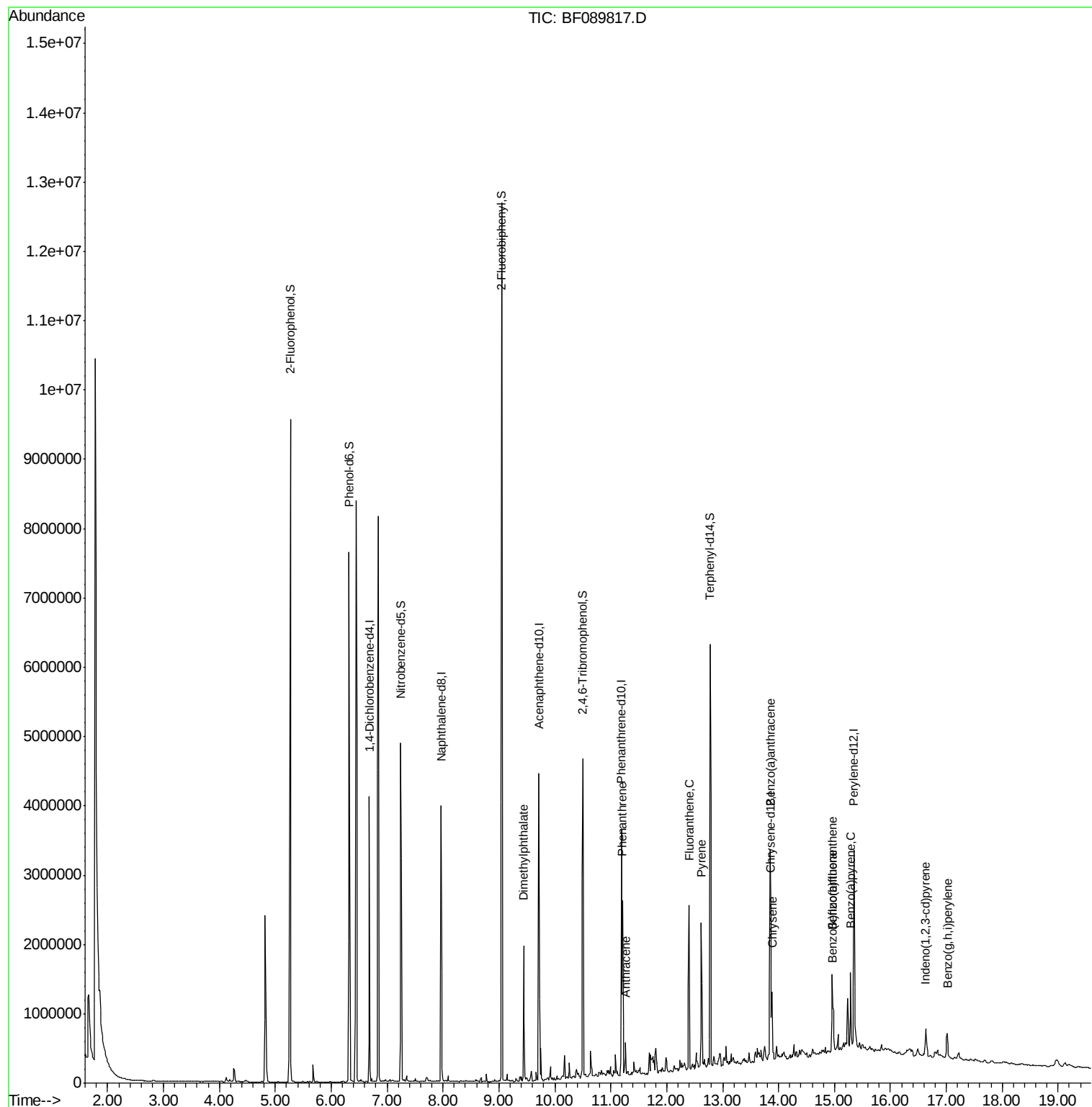
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089817.D
Acq On : 20 Aug 2016 00:52
Operator : UM/SJ
Sample : H4518-14
Misc :
ALS Vial : 33 Sample Multiplier: 1

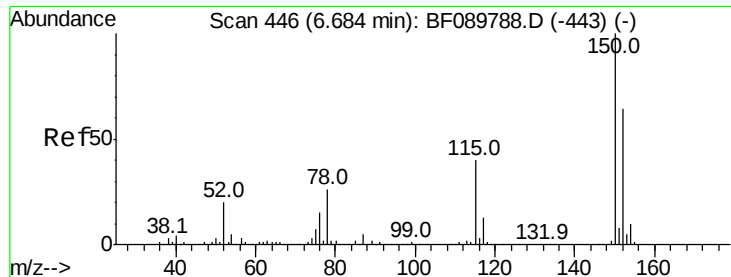
Instrument :
BNA_F
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B-2(0-5)

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#1

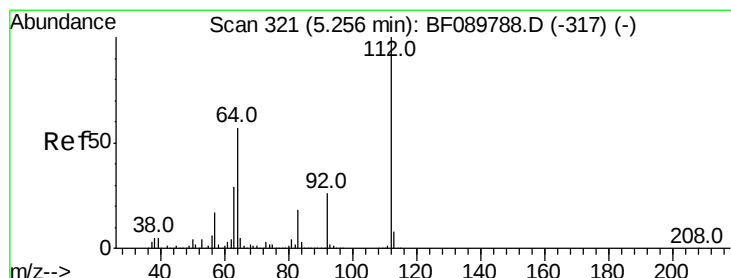
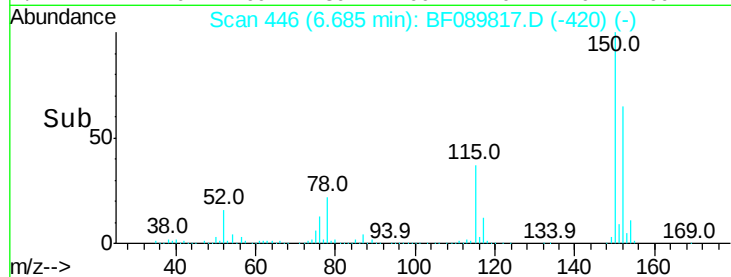
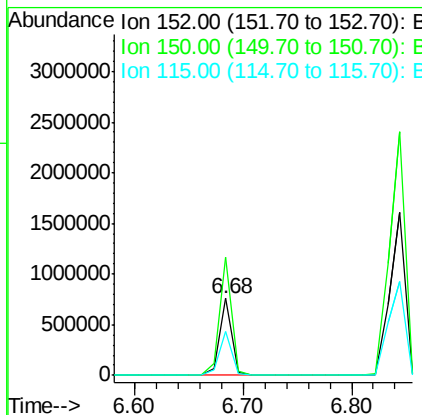
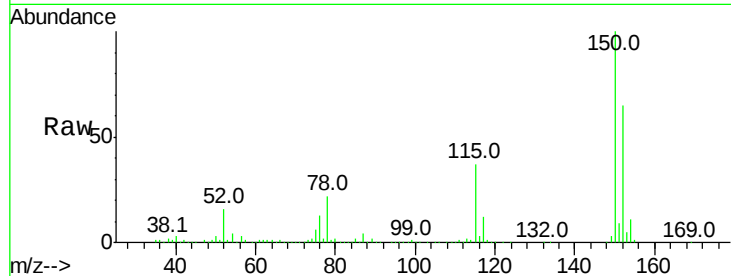
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. 0.00 min
Lab File: BF089817.D
Acq: 20 Aug 2016 00:52

Instrument :
BNA_F
ClientSampleId :
B-2(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	125.3	187.9
115	57.3	40.9	61.3

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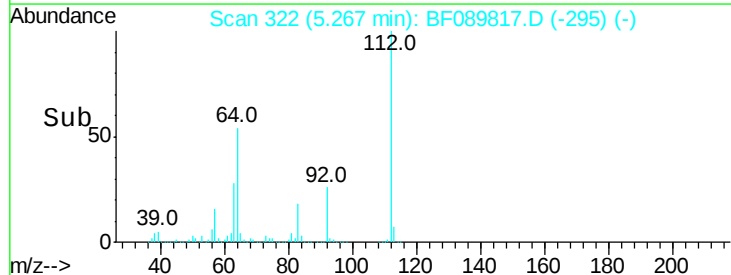
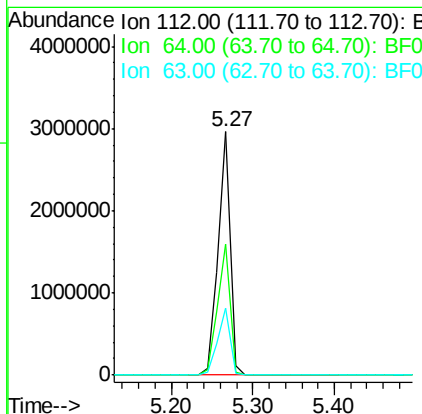
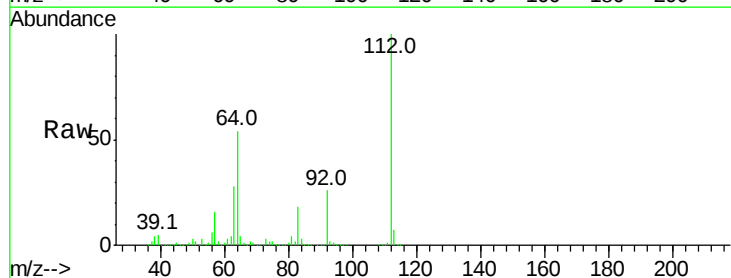
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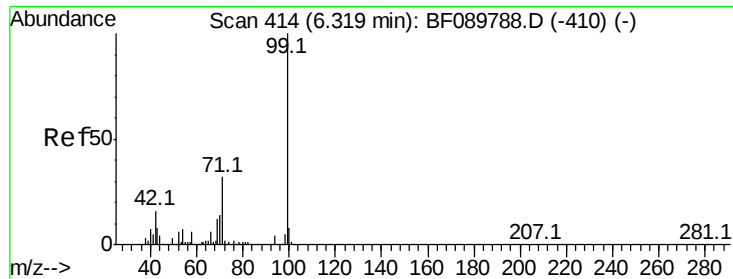


#5

2-Fluorophenol
Concen: 88.37 ng
RT: 5.27 min Scan# 322
Delta R.T. 0.01 min
Lab File: BF089817.D
Acq: 20 Aug 2016 00:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	45.0	67.4
63	27.8	23.1	34.7





#7

Phenol-d6

Concen: 83.23 ng

RT: 6.32 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF089817.D

Acq: 20 Aug 2016 00:52

Instrument :

BNA_F

ClientSampleId :

B-2(0-5)

Tot Ion: 99 Resp: 3513642

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.4

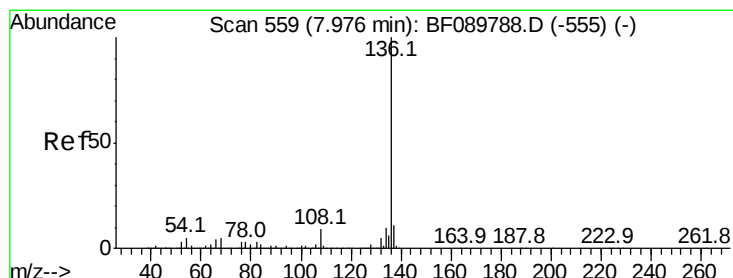
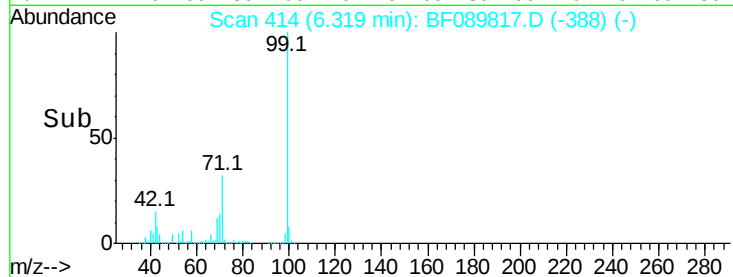
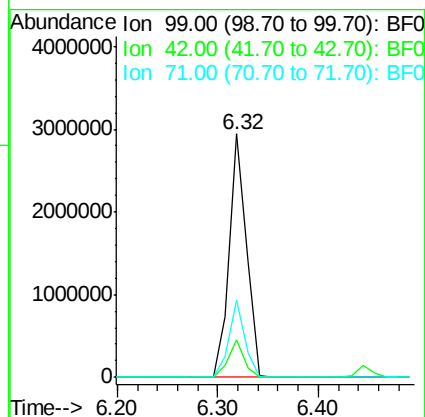
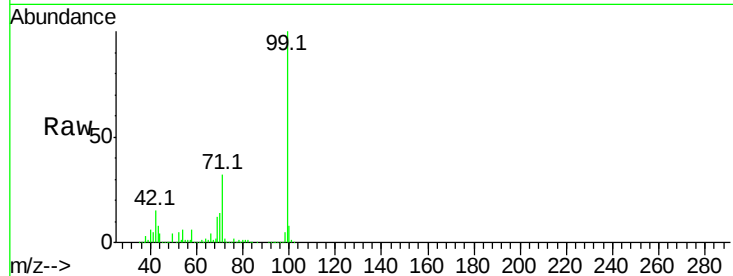
71 31.7 23.8 35.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.01 min

Lab File: BF089817.D

Acq: 20 Aug 2016 00:52

Tgt Ion: 136 Resp: 1991449

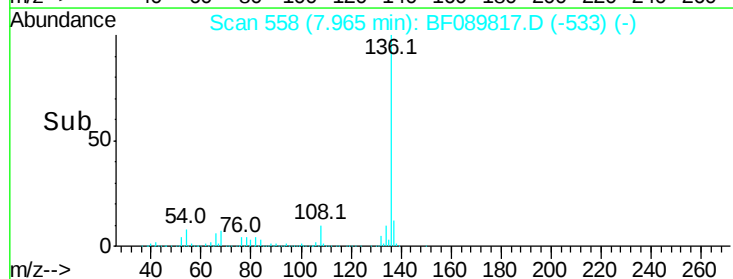
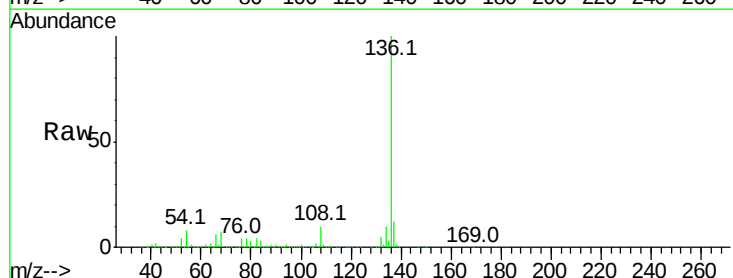
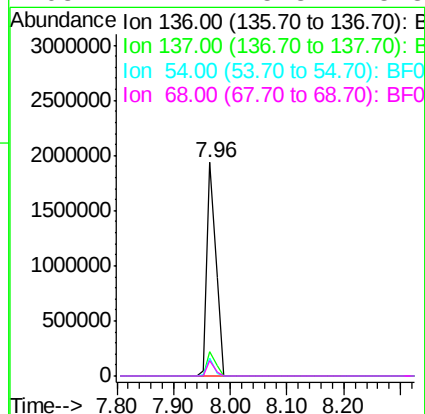
Ion Ratio Lower Upper

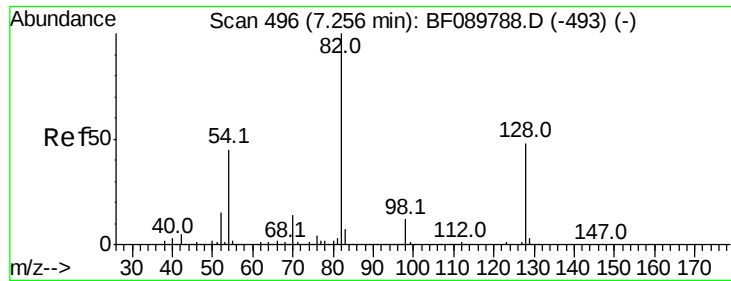
136 100

137 11.6 9.2 13.8

54 8.3 7.2 10.8

68 7.2 5.8 8.8





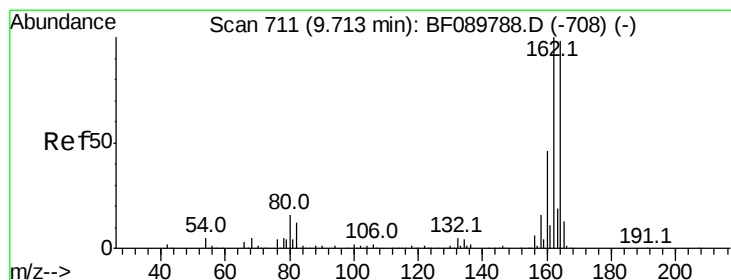
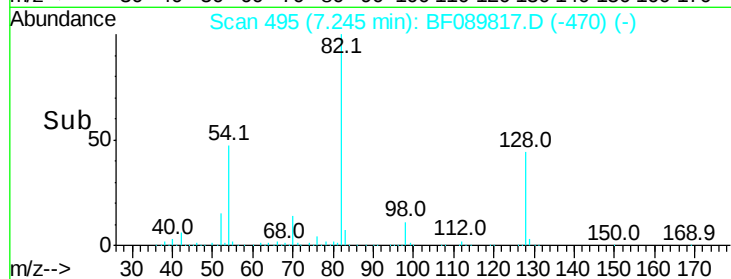
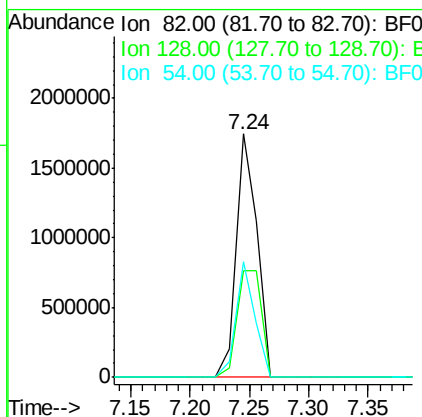
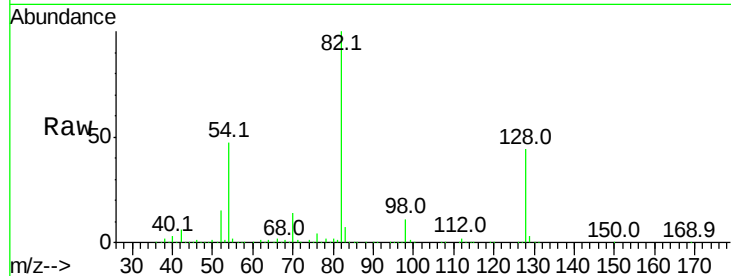
#23
Nitrobenzene-d5
Concen: 66.18 ng
RT: 7.24 min Scan# 495
Delta R.T. -0.01 min
Lab File: BF089817.D
Acq: 20 Aug 2016 00:52

Instrument :
BNA_F
ClientSampled :
B-2(0-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.4	51.6
54	47.3	40.3	60.5

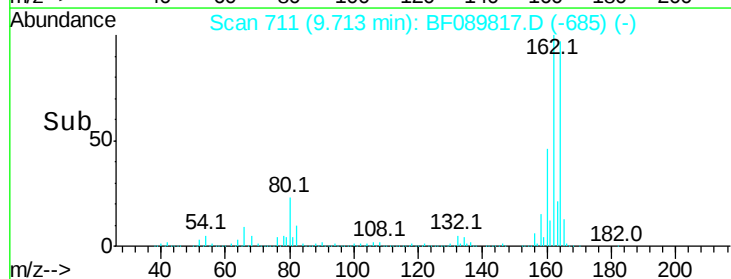
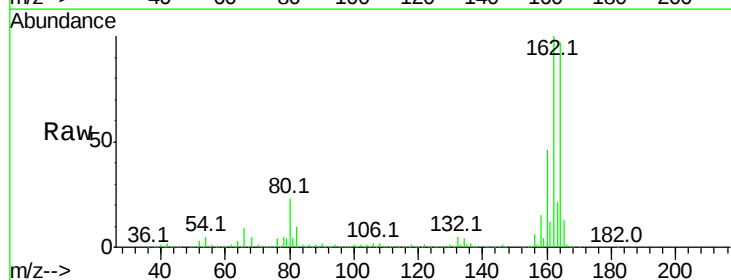
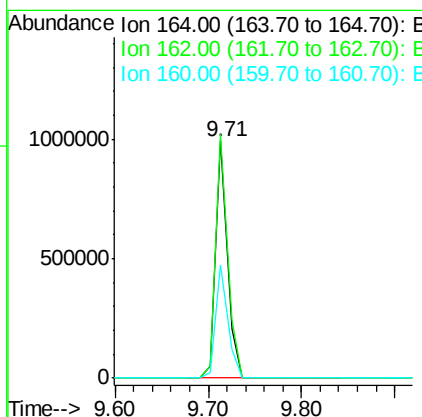
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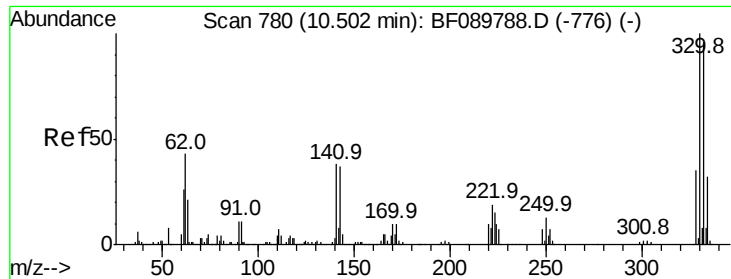
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 711
Delta R.T. 0.00 min
Lab File: BF089817.D
Acq: 20 Aug 2016 00:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.4	122.2
160	47.7	37.8	56.6





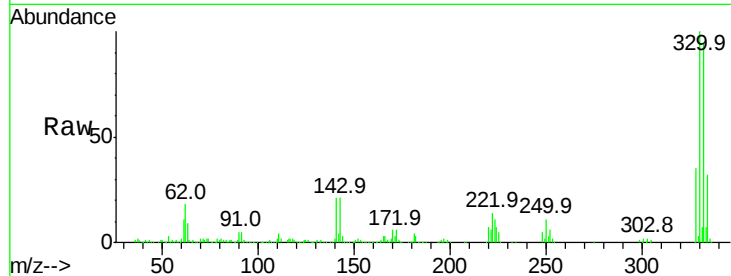
#41
 2,4,6-Tribromophenol
 Concen: 88.15 ng
 RT: 10.50 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF089817.D
 Acq: 20 Aug 2016 00:52

Instrument :
 BNA_F
 ClientSampled :
 B-2(0-5)

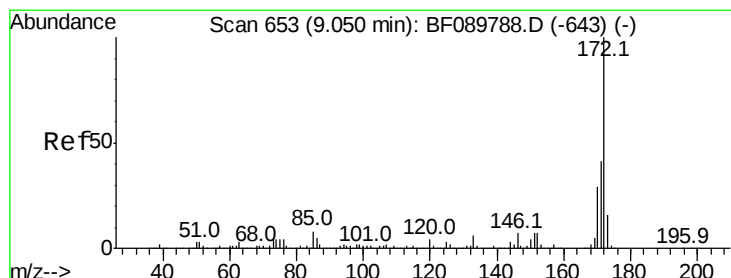
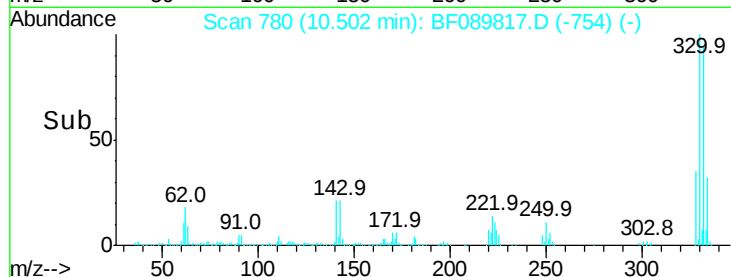
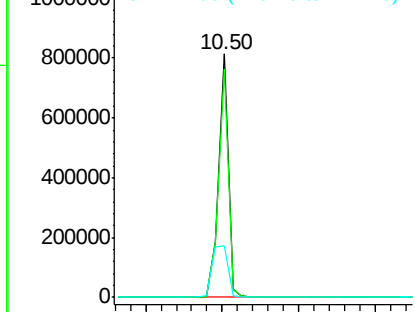
Tot Ion	Ratio	Resp	Lower	Upper
330	100	722260		
332	94.8	76.7	115.1	
141	33.6	30.2	45.2	

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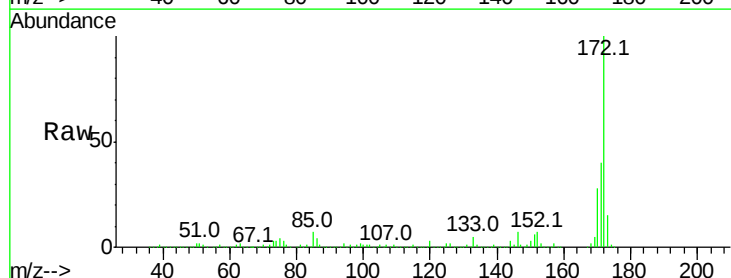


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

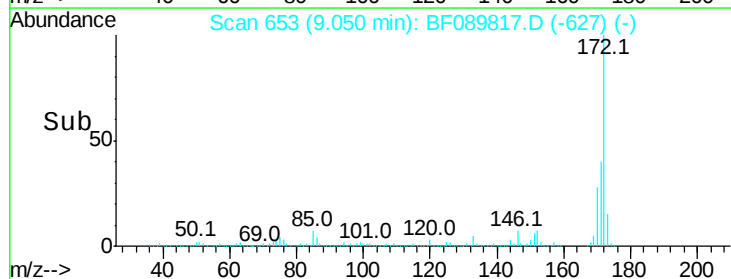
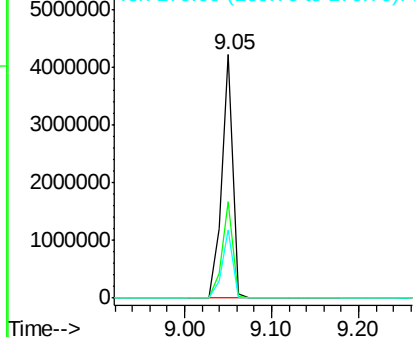


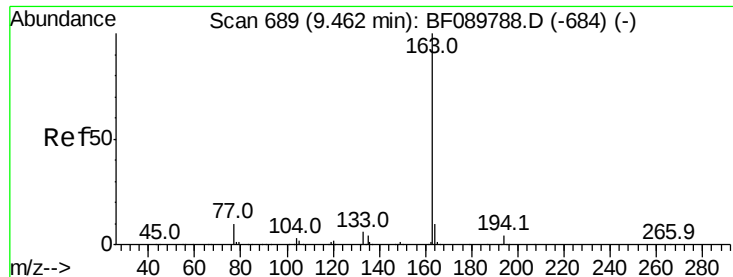
#44
 2-Fluorobiphenyl
 Concen: 77.61 ng
 RT: 9.05 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: BF089817.D
 Acq: 20 Aug 2016 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	3807030		
171	39.9	30.5	45.7	
170	27.9	20.6	31.0	



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: 15.24 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF089817.D

Acq: 20 Aug 2016 00:52

Instrument :

BNA_F

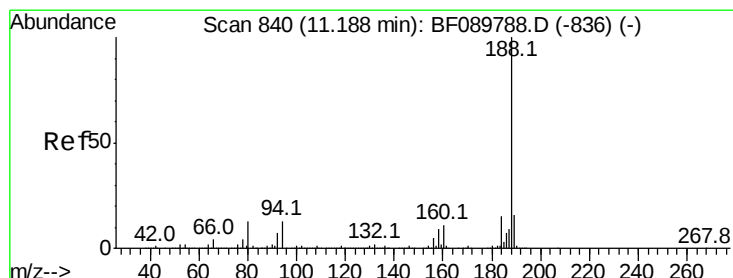
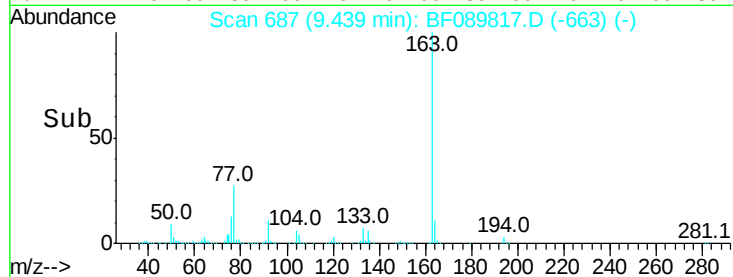
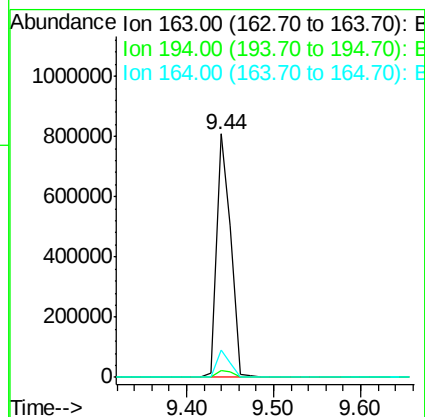
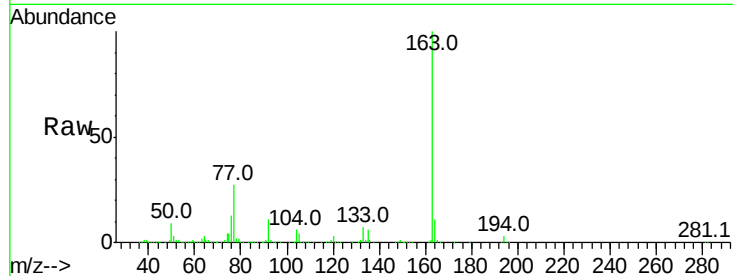
ClientSampled :

B-2(0-5)

Tot Ion:	163	Resp:	925341
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.6	3.8
164	11.0	8.6	12.8

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#63

Phenanthrene-d10

Concen: 20.00 ng

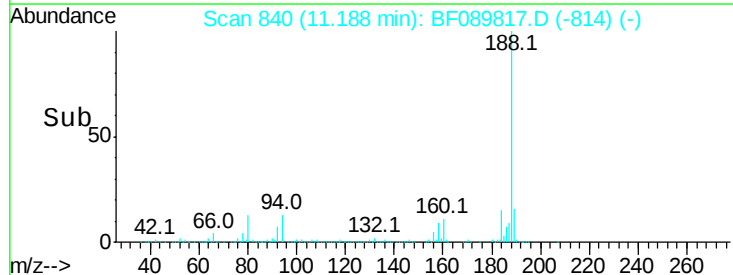
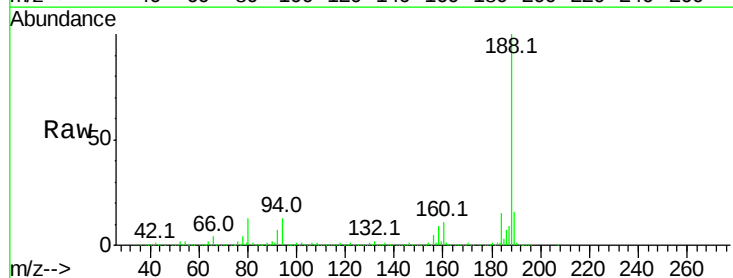
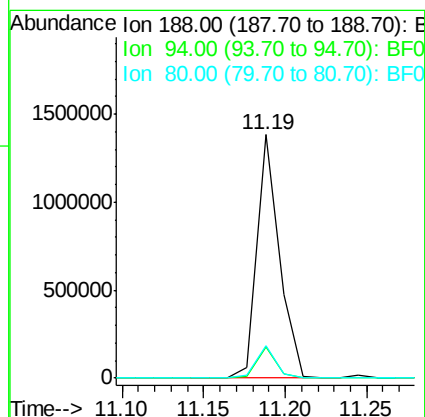
RT: 11.19 min Scan# 840

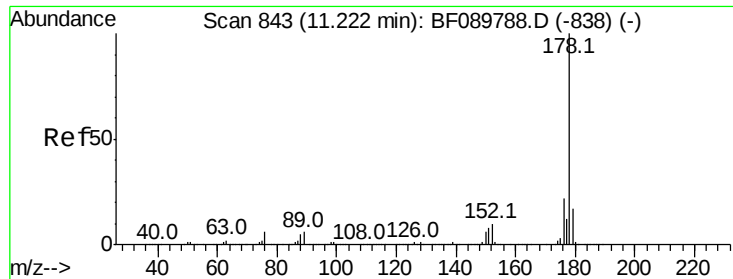
Delta R.T. 0.00 min

Lab File: BF089817.D

Acq: 20 Aug 2016 00:52

Tgt Ion:	188	Resp:	1324780
Ion Ratio	Lower	Upper	
188	100		
94	12.6	10.2	15.2
80	13.3	10.9	16.3





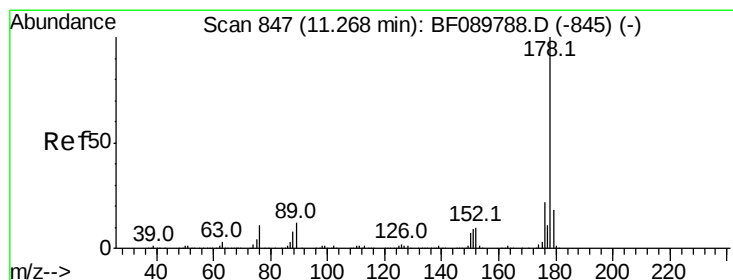
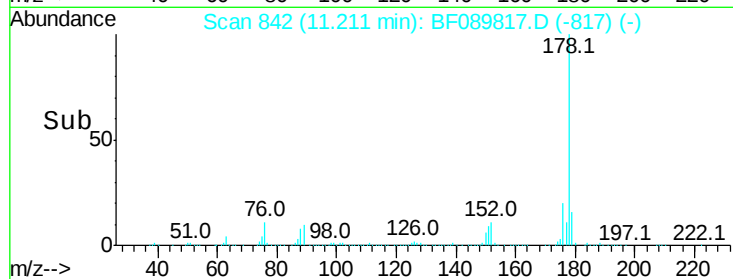
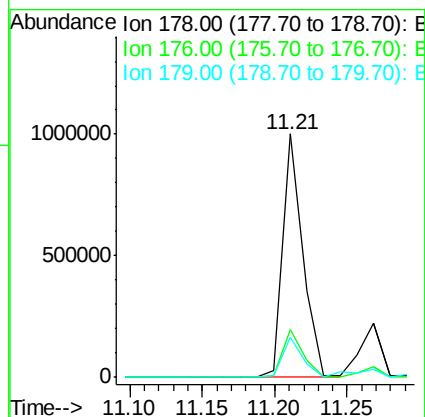
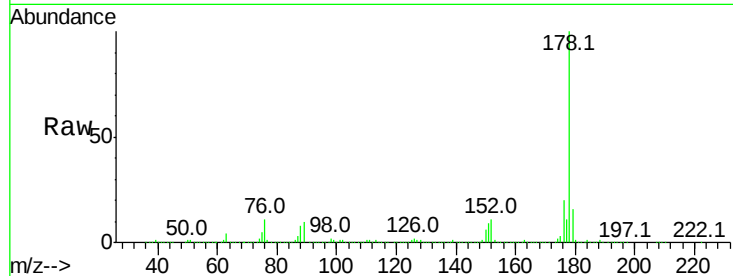
#70
Phenanthrene
Concen: 14.37 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF089817.D
Acq: 20 Aug 2016 00:52

Instrument :
BNA_F
ClientSampled :
B-2(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.4	24.6
179	16.3	12.5	18.7

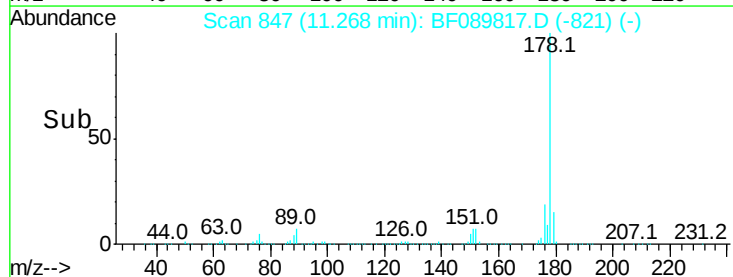
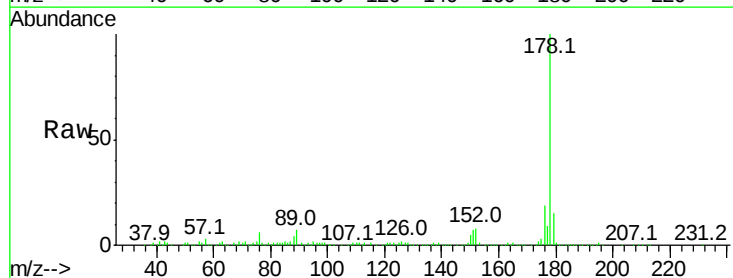
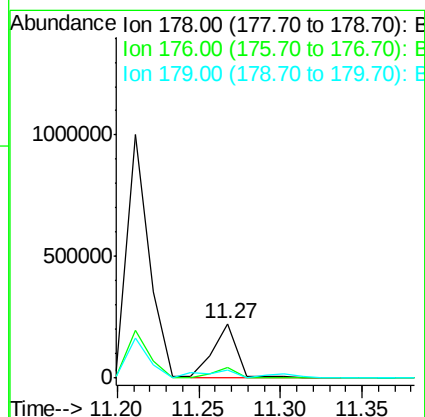
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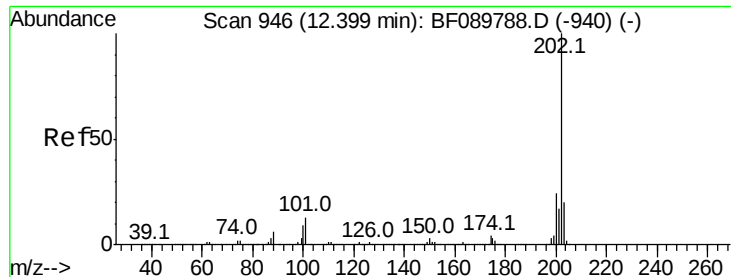
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#71
Anthracene
Concen: 3.32 ng
RT: 11.27 min Scan# 847
Delta R.T. 0.00 min
Lab File: BF089817.D
Acq: 20 Aug 2016 00:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.4	24.6
179	15.1	13.1	19.7





#74

Fluoranthene

Concen: 17.30 ng

RT: 12.40 min Scan# 946

Delta R.T. 0.00 min

Lab File: BF089817.D

Acq: 20 Aug 2016 00:52

Instrument :

BNA_F

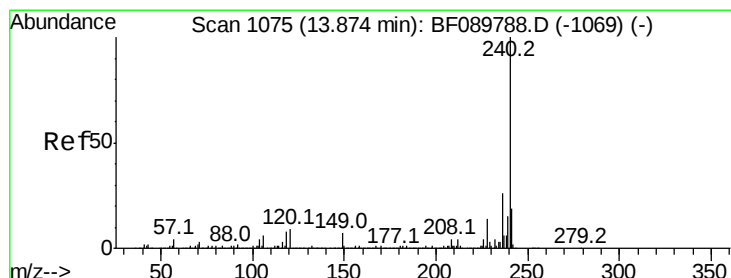
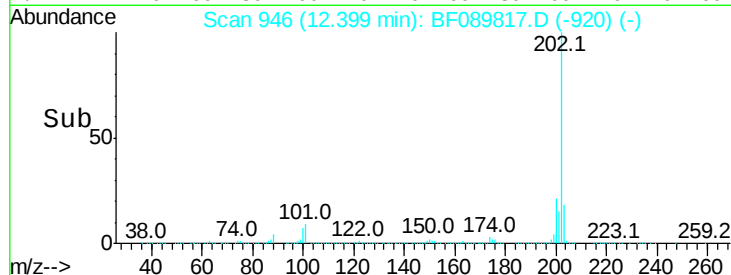
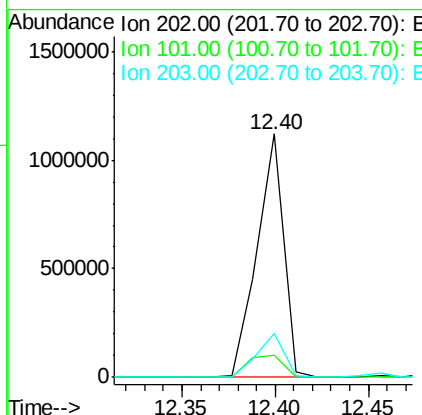
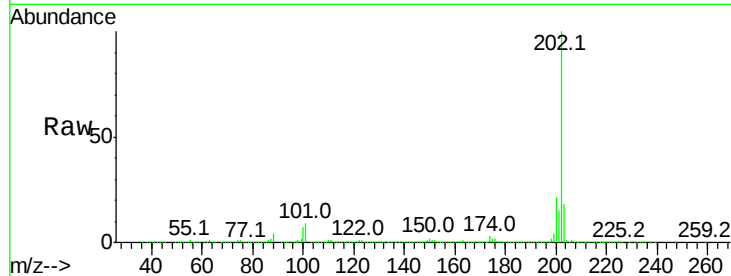
ClientSampleId :

B-2(0-5)

Tot Ion:	202	Resp:	1101172
Ion Ratio	Lower	Upper	
202	100		
101	9.2	0.0	31.2
203	18.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

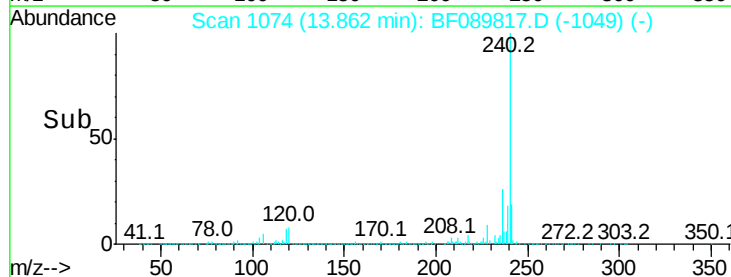
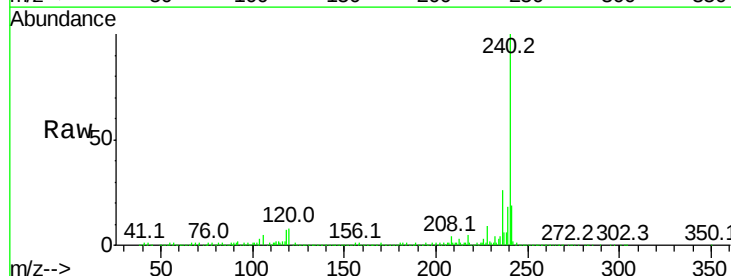
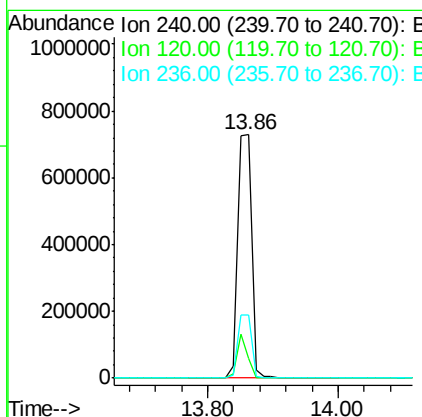
RT: 13.86 min Scan# 1074

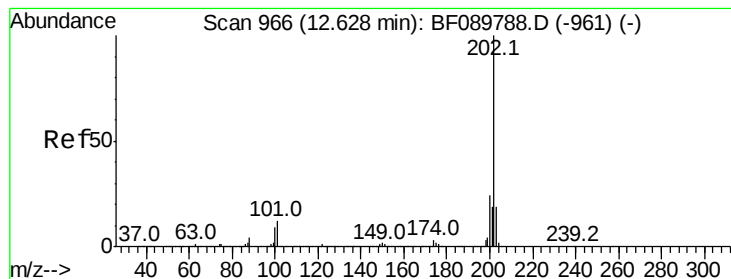
Delta R.T. -0.01 min

Lab File: BF089817.D

Acq: 20 Aug 2016 00:52

Tgt Ion:	240	Resp:	1052508
Ion Ratio	Lower	Upper	
240	100		
120	7.9	8.3	12.5#
236	26.0	21.3	31.9





#77

Pvrene

Concen: 11.78 ng/mL

RT: 12.62 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF089817.D

Acq: 20 Aug 2016 00:52

Instrument :

BNA_F

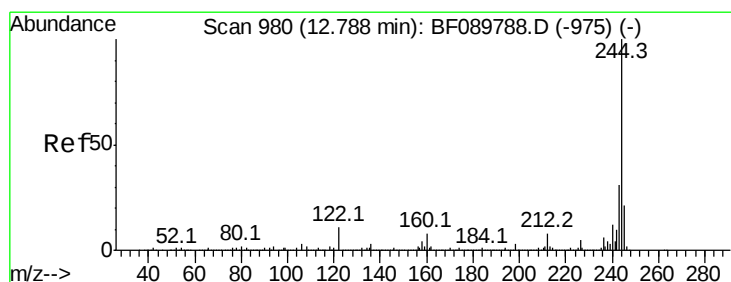
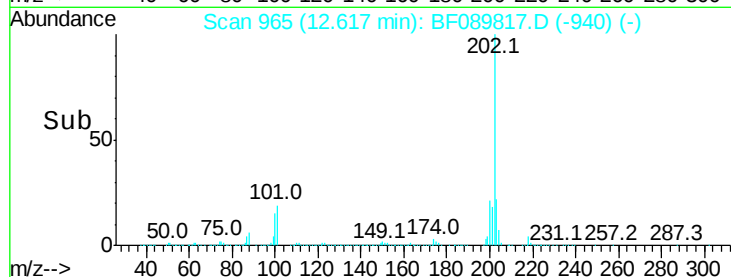
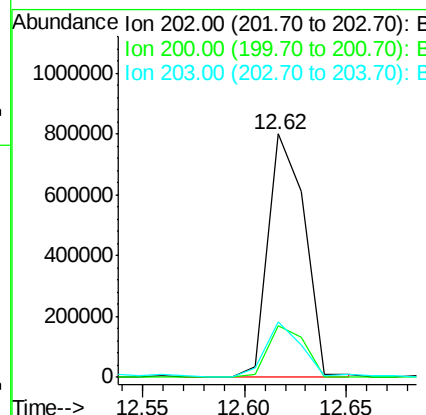
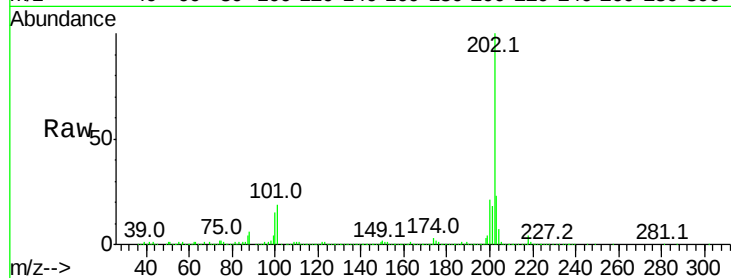
ClientSampled :

B-2(0-5)

Tot Ion:	202	Resp:	1009715
Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.8	26.6
203	22.8	14.2	21.4

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#78

Terphenyl-d14

Concen: 50.49 ng

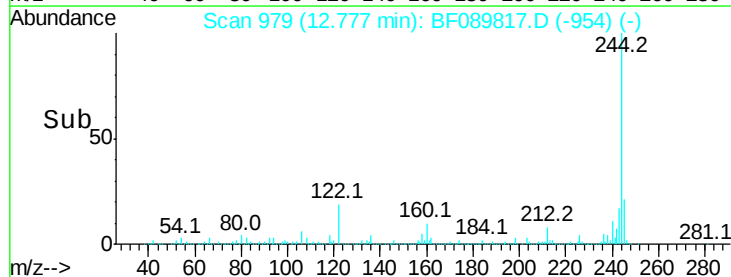
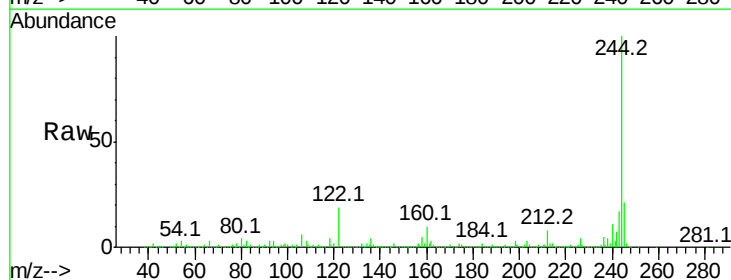
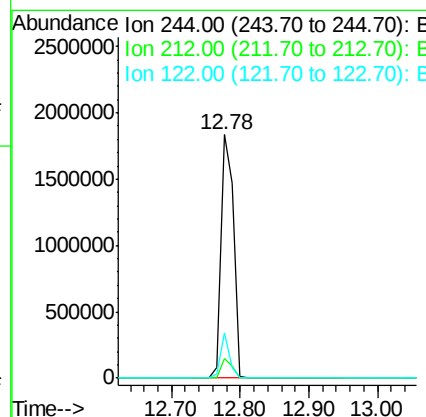
RT: 12.78 min Scan# 979

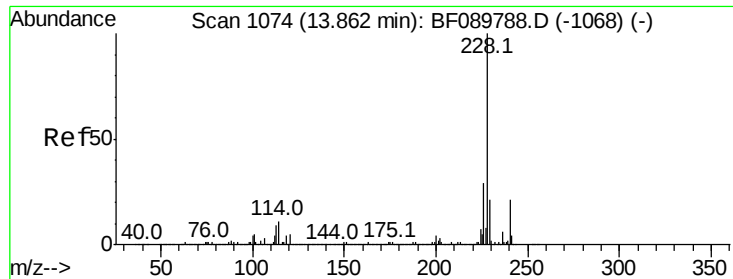
Delta R.T. -0.01 min

Lab File: BF089817.D

Acq: 20 Aug 2016 00:52

Tgt Ion:	244	Resp:	2349185
Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.3	9.5
122	18.8	12.0	18.0





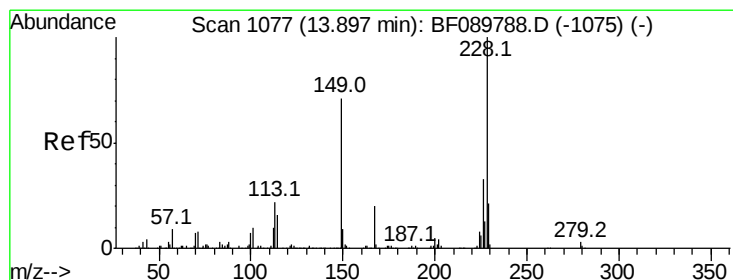
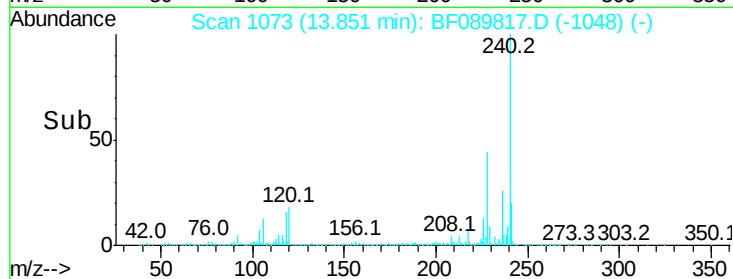
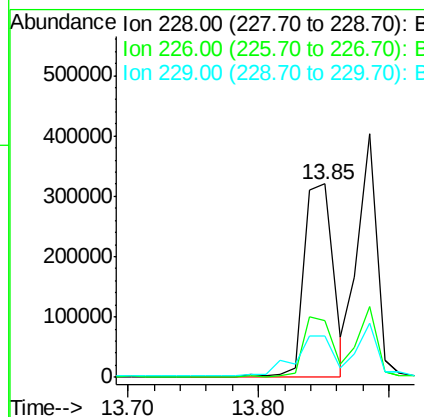
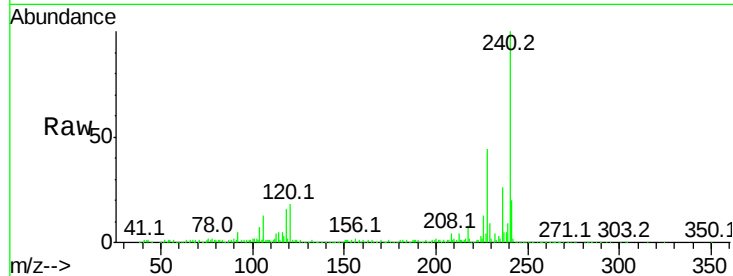
#80
Benzo(a)anthracene
Concen: 8.19 ng
RT: 13.85 min Scan# 1073
Delta R.T. -0.01 min
Lab File: BF089817.D
Acq: 20 Aug 2016 00:52

Instrument :
BNA_F
ClientSampled :
B-2(0-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	21.3	16.2	24.4

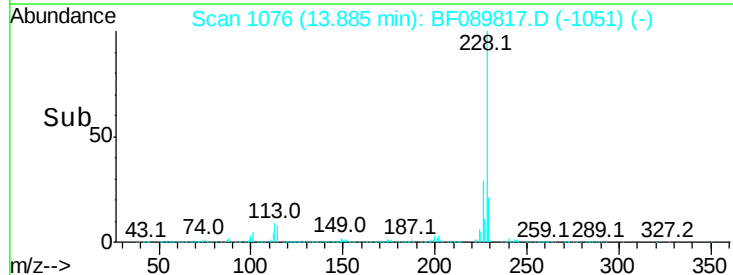
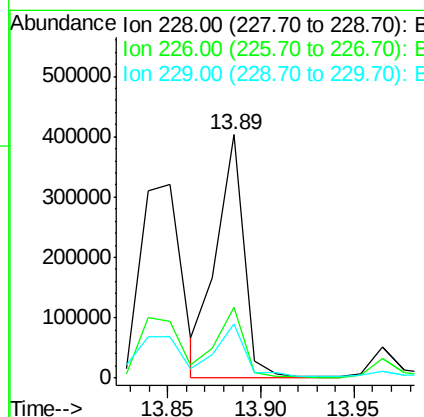
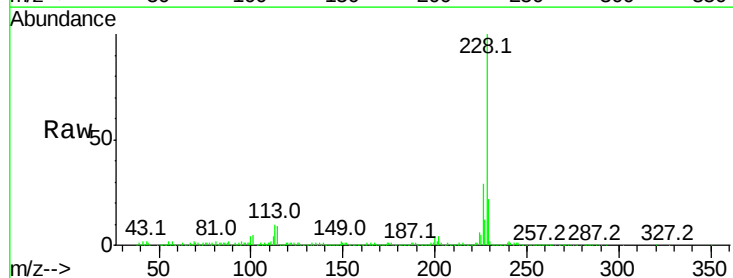
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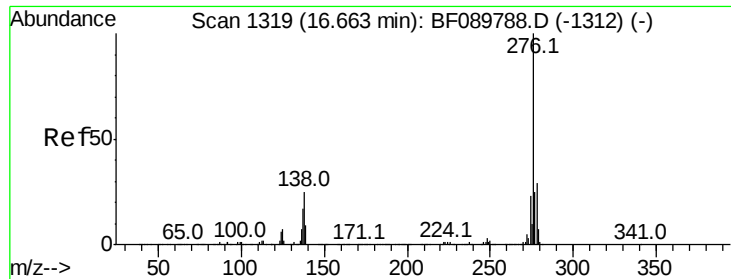
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#82
Chrysene
Concen: 8.01 ng
RT: 13.89 min Scan# 1076
Delta R.T. -0.01 min
Lab File: BF089817.D
Acq: 20 Aug 2016 00:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.4	38.0
229	22.1	16.5	24.7





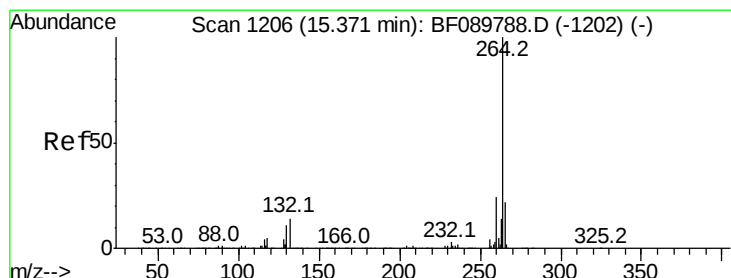
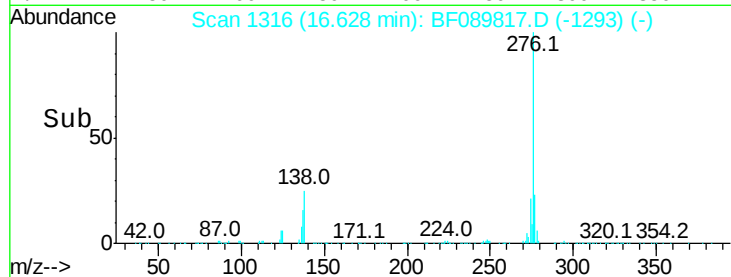
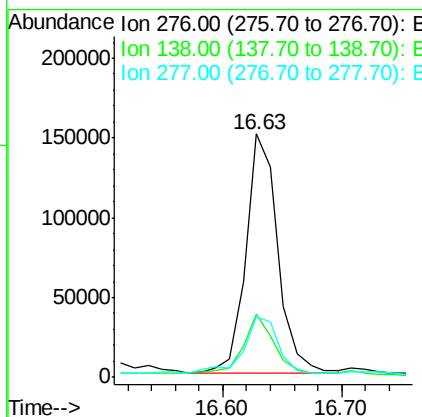
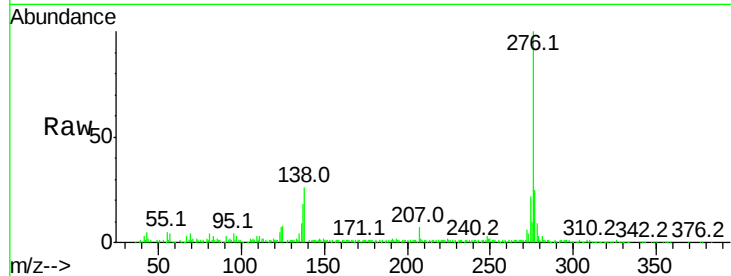
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.25 ng
 RT: 16.63 min Scan# 1316
 Delta R.T. -0.03 min
 Lab File: BF089817.D
 Acq: 20 Aug 2016 00:52

Instrument :
 BNA_F
 ClientSampleId :
 B-2(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.6	24.6	36.8
277	29.7	20.4	30.6

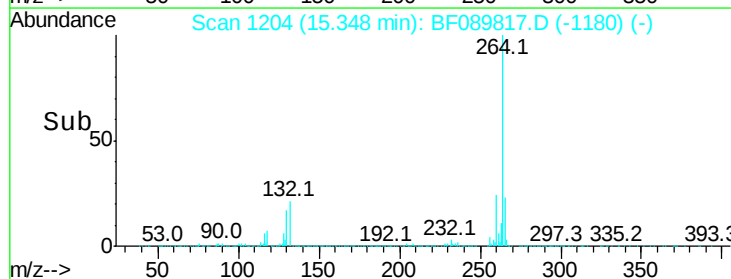
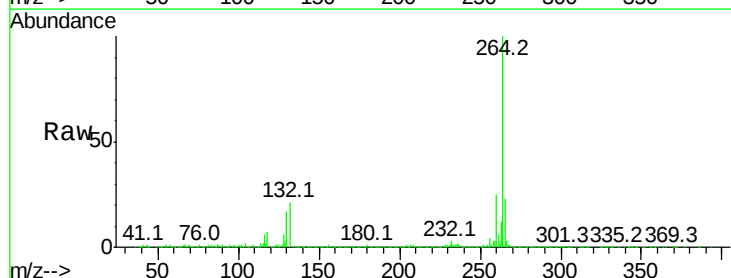
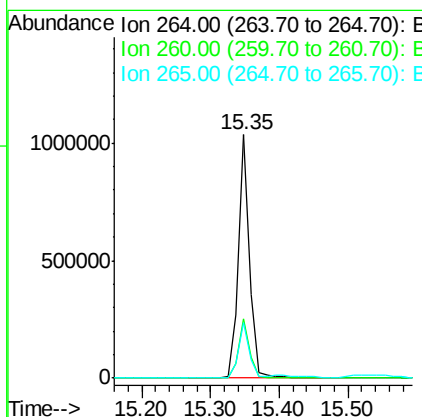
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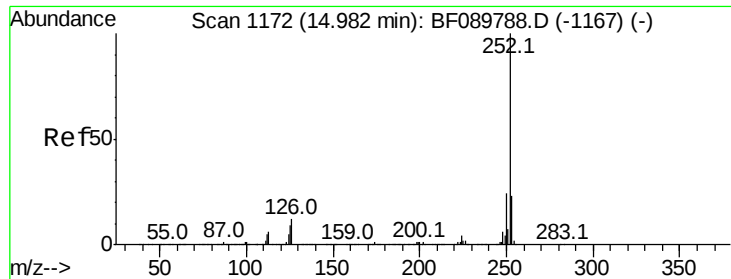
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: BF089817.D
 Acq: 20 Aug 2016 00:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.2	30.2
265	22.6	17.4	26.2





#87

Benzo(b)fluoranthene

Concen: 9.13 ng m

RT: 14.96 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF089817.D

Acq: 20 Aug 2016 00:52

Instrument :

BNA_F

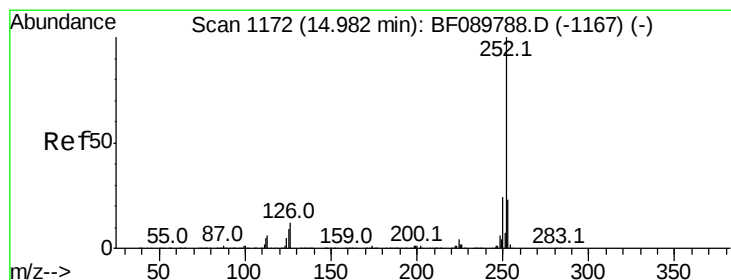
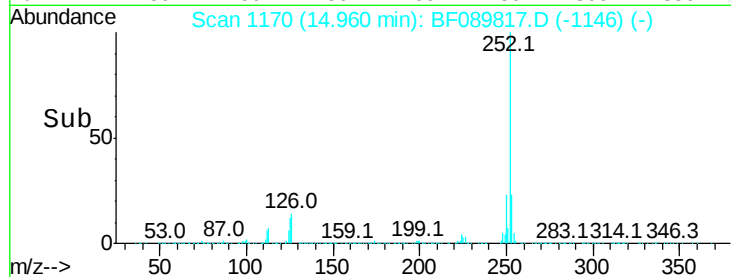
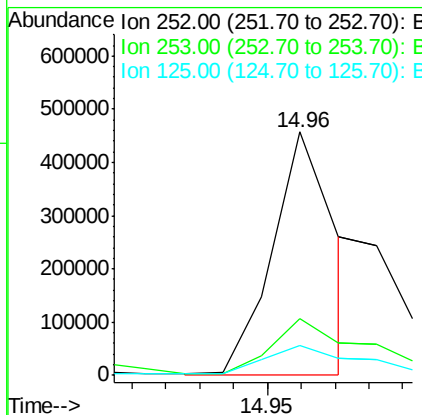
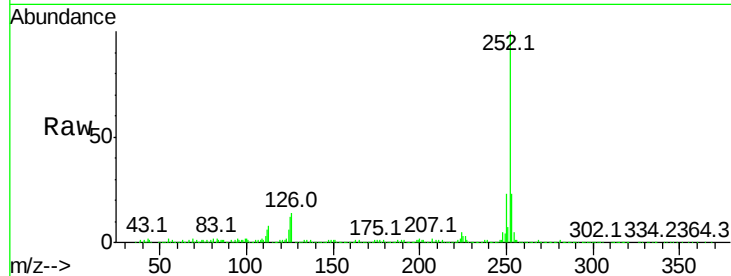
ClientSampleId :

B-2(0-5)

Tot Ion:	252	Resp:	596140
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.8
125	12.3	11.4	17.2

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#88

Benzo(k)fluoranthene

Concen: 4.12 ng m

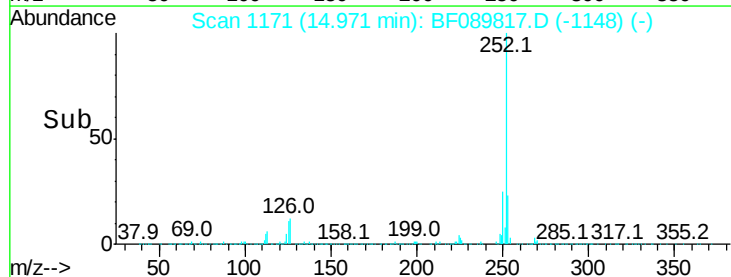
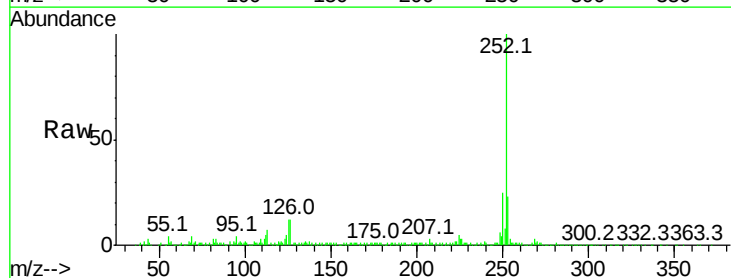
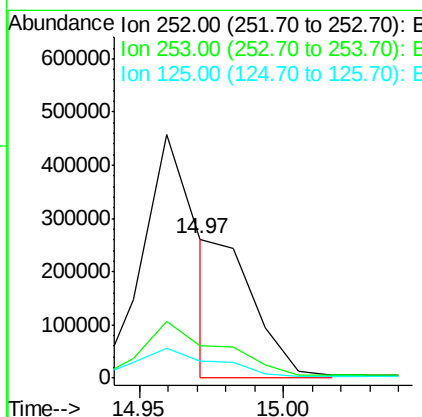
RT: 14.97 min Scan# 1171

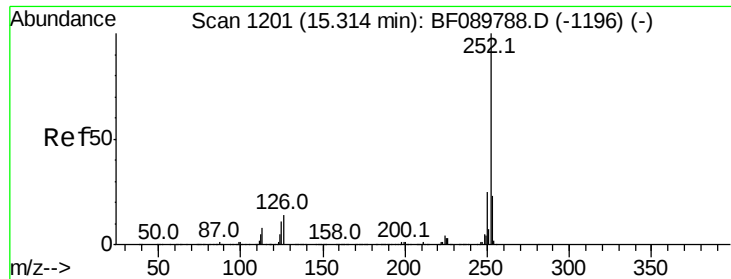
Delta R.T. -0.03 min

Lab File: BF089817.D

Acq: 20 Aug 2016 00:52

Tgt Ion:	252	Resp:	244352
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.4	27.6
125	12.0	9.8	14.6





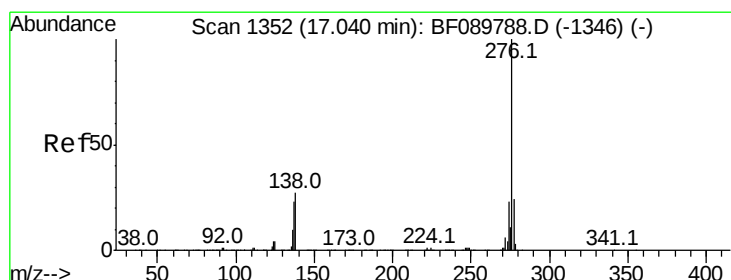
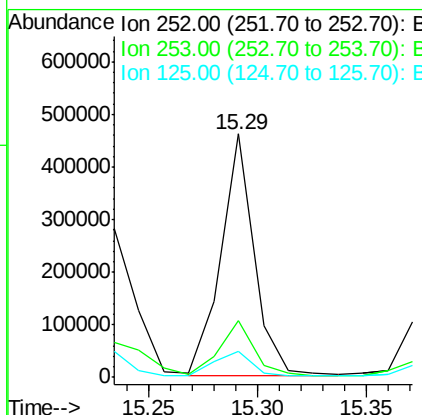
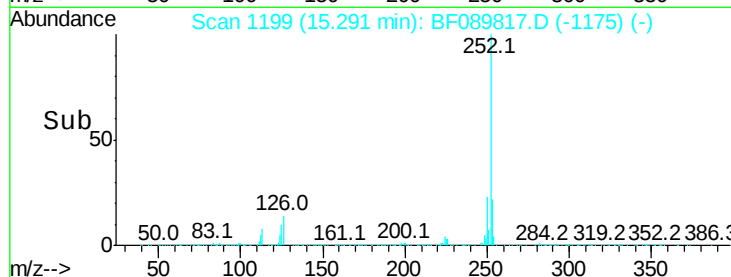
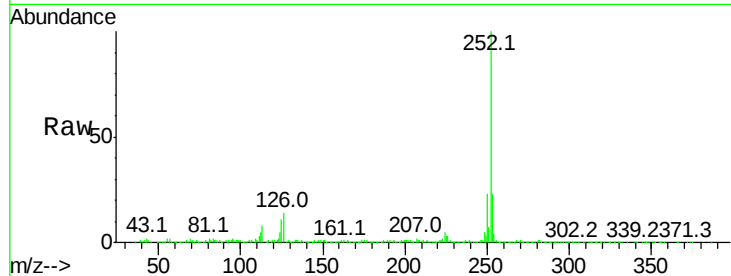
#89
Benzo(a)pyrene
Concen: 7.98 ng
RT: 15.29 min Scan# 1199
Delta R.T. -0.02 min
Lab File: BF089817.D
Acq: 20 Aug 2016 00:52

Instrument :
BNA_F
ClientSampleId :
B-2(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	10.8	11.7	17.5

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.08 ng
RT: 17.02 min Scan# 1350
Delta R.T. -0.02 min
Lab File: BF089817.D
Acq: 20 Aug 2016 00:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	24.3	22.1	33.1

