

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
 Data File : BF092815.D
 Acq On : 7 Feb 2017 00:10
 Operator : SJ/MA
 Sample : I1699-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 F-1

Manual Integrations
 APPROVED

mohammad
 2/7/2017 3:14:44 PM

Quant Time: Feb 07 02:04:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 01:19:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	143501	20.00	ng	0.01
21) Naphthalene-d8	8.20	136	586001	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	287097	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	399120	20.00	ng	0.00
75) Chrysene-d12	14.09	240	287556	20.00	ng	0.00
86) Perylene-d12	15.55	264	210963	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	341028	40.77	ng	0.01
7) Phenol-d6	6.56	99	1008544	93.71	ng	0.00
23) Nitrobenzene-d5	7.48	82	753665	71.62	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	13944	6.72	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	1239680	78.23	ng	0.00
78) Terphenyl-d14	13.04	244	921719	75.32	ng	0.01
Target Compounds						Qvalue
10) Phenol	6.57	94	78156	6.21	ng	79
49) Dimethylphthalate	9.68	163	133723	6.92	ng	98
70) Phenanthrene	11.47	178	251874	11.02	ng	97
71) Anthracene	11.52	178	63292	2.76	ng	98
74) Fluoranthene	12.66	202	425669	18.05	ng	95
77) Pyrene	12.89	202	368430	17.12	ng	100
80) Benzo(a)anthracene	14.08	228	140552m	7.99	ng	
82) Chrysene	14.11	228	143851m	8.74	ng	
85) Indeno(1,2,3-cd)pyrene	17.00	276	42992	3.37	ng	# 88
87) Benzo(b)fluoranthene	15.13	252	131399m	9.46	ng	
88) Benzo(k)fluoranthene	15.15	252	41466m	3.46	ng	
89) Benzo(a)pyrene	15.48	252	80035	6.66	ng	# 58
91) Benzo(a,h,i)perylene	17.44	276	39019	3.98	ng	# 61

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

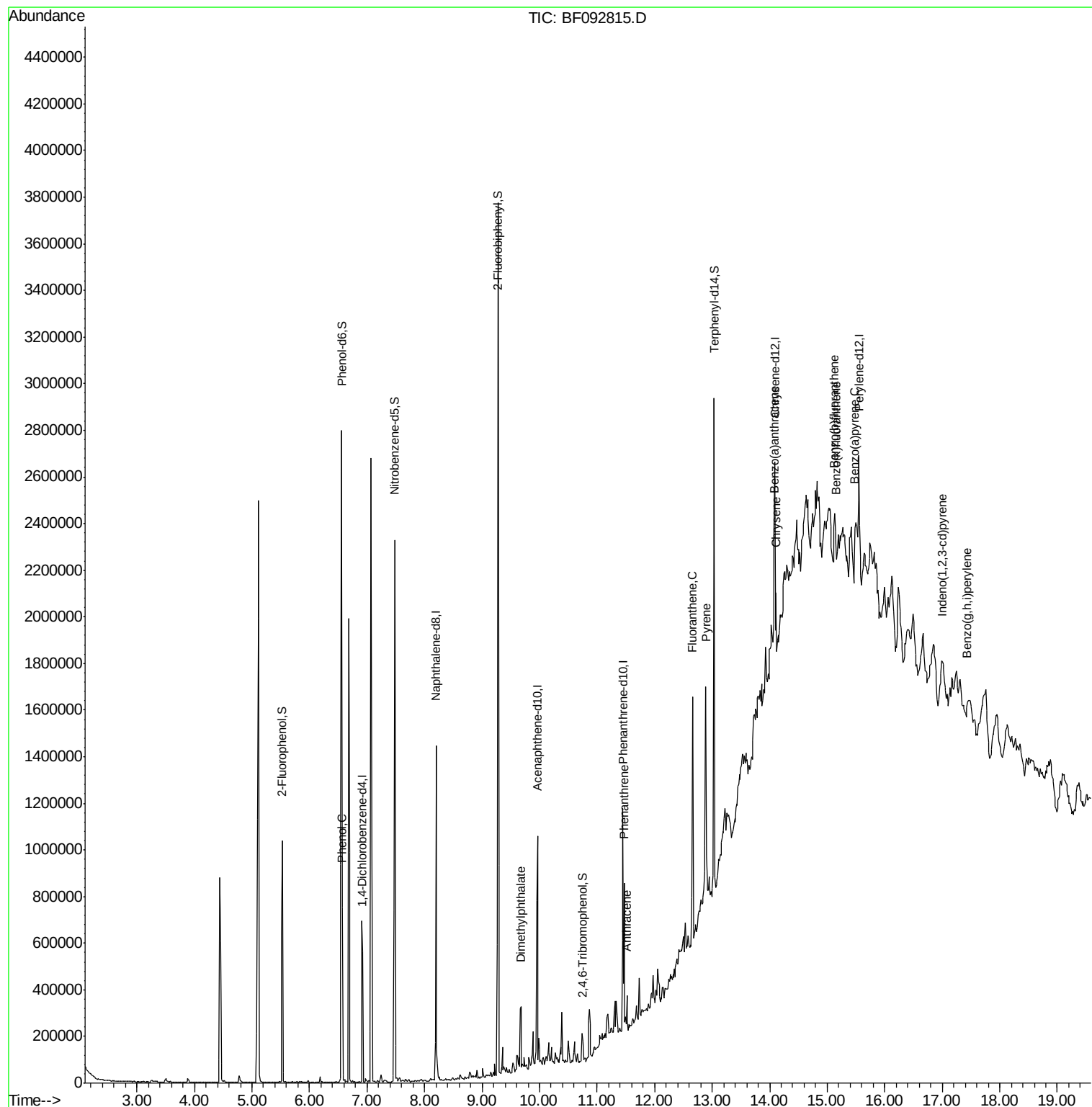
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
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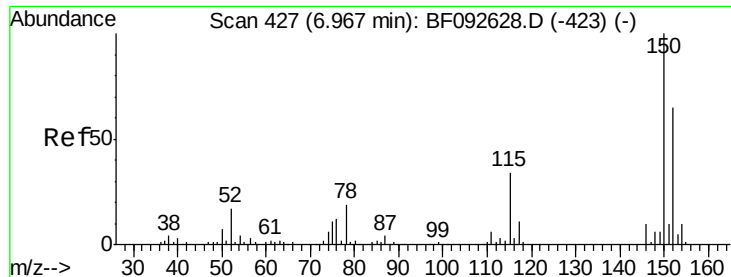
Instrument :
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#1

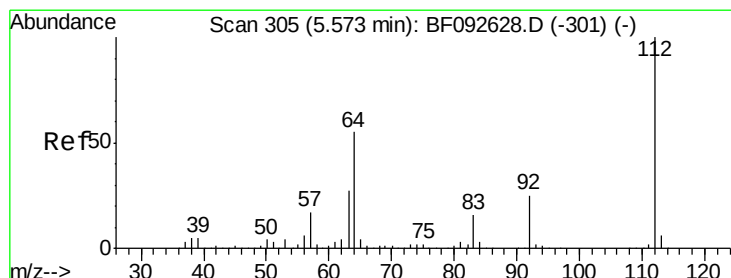
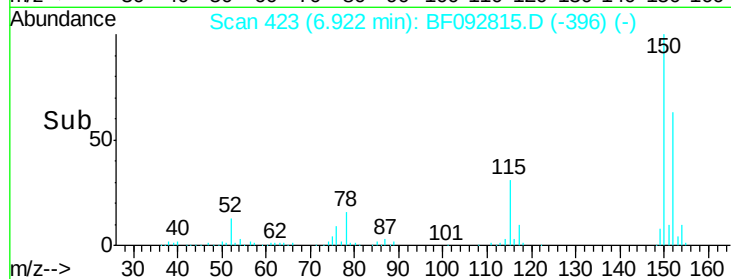
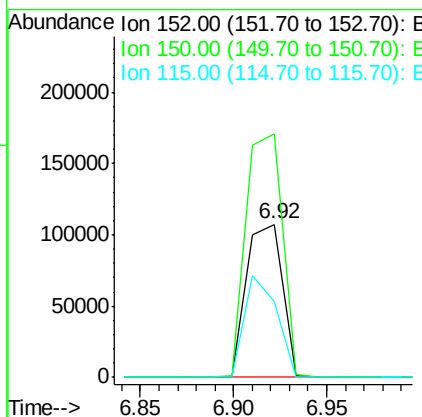
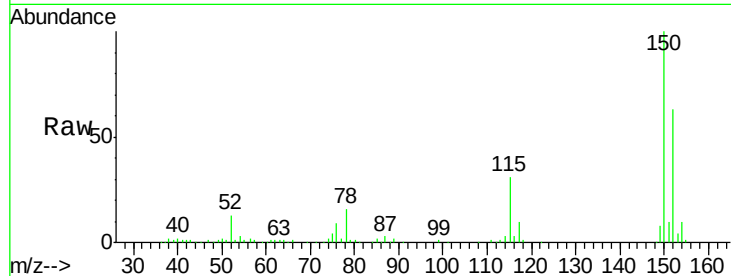
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 423
Delta R.T. 0.01 min
Lab File: BF092815.D
Acq: 7 Feb 2017 00:10

Instrument :
BNA_F
ClientSampled :
F-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.9	187.3
115	49.4	46.0	69.0

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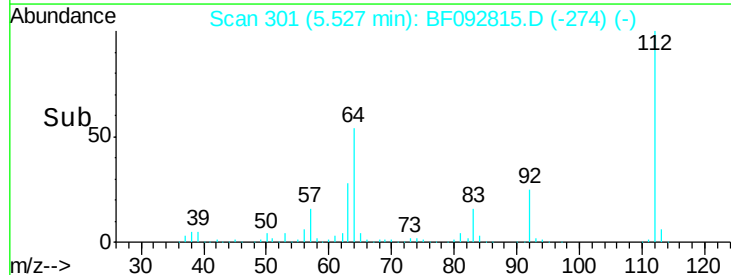
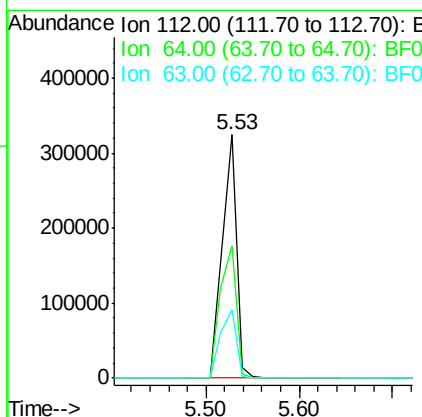
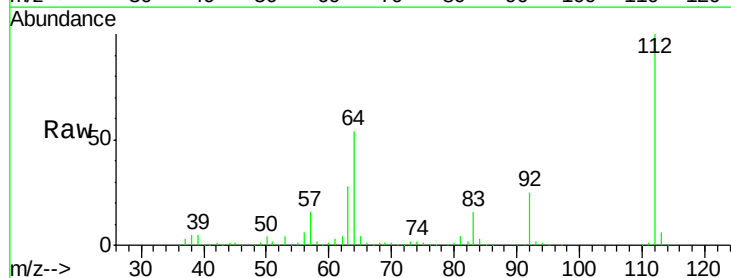
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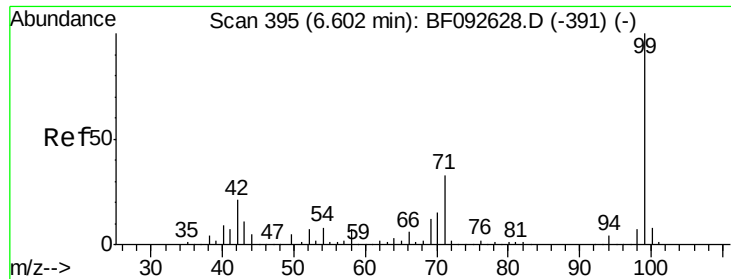


#5

2-Fluorophenol
Concen: 40.77 ng
RT: 5.53 min Scan# 301
Delta R.T. 0.01 min
Lab File: BF092815.D
Acq: 7 Feb 2017 00:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.1	69.1
63	27.9	23.8	35.6





#7

Phenol-d6

Concen: 93.71 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF092815.D

Acq: 7 Feb 2017 00:10

Instrument :

BNA_F

ClientSampled :

F-1

Tot Ion: 99 Resp: 1008544

Ion Ratio Lower Upper

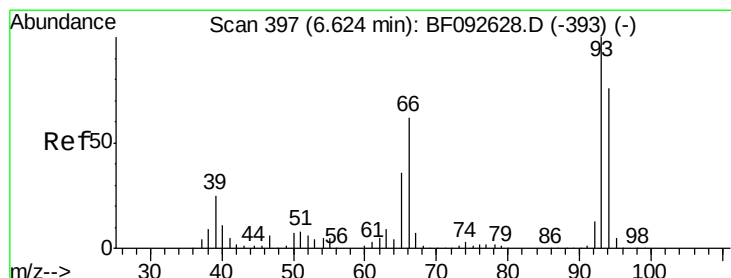
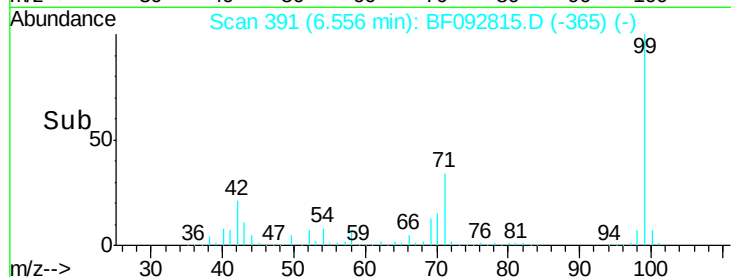
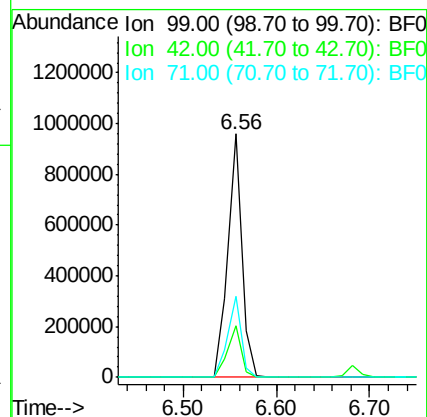
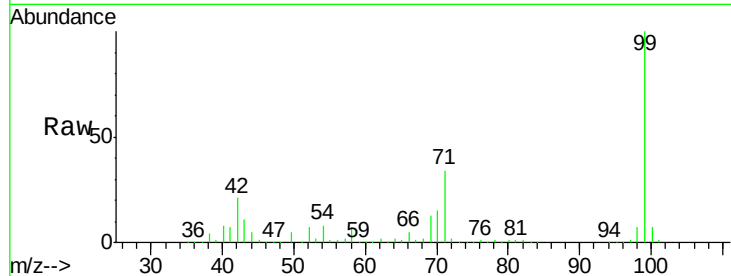
99 100

42 21.3 15.6 23.4

71 33.5 27.5 41.3

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#10

Phenol

Concen: 6.21 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.00 min

Lab File: BF092815.D

Acq: 7 Feb 2017 00:10

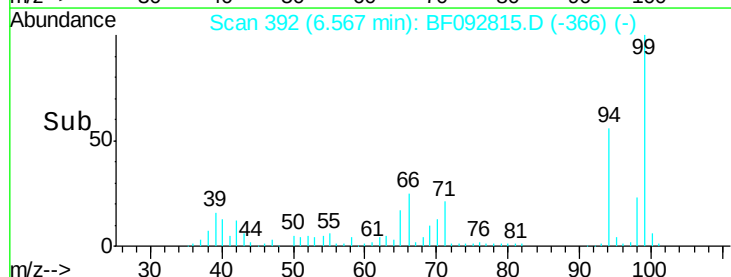
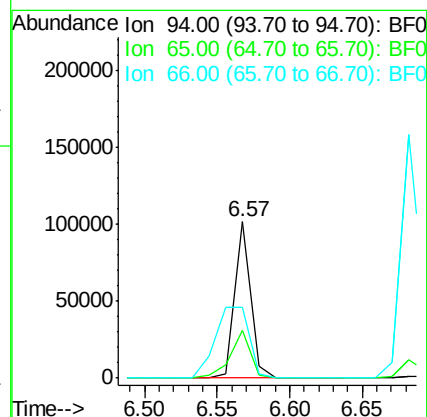
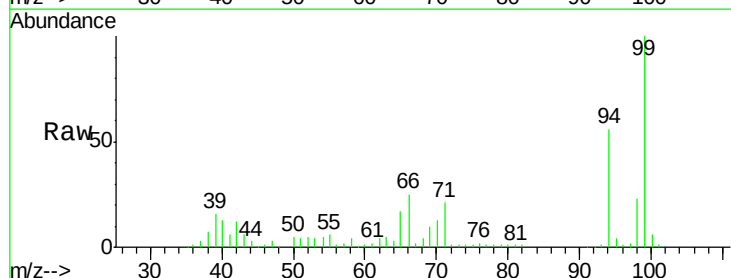
Tgt Ion: 94 Resp: 78156

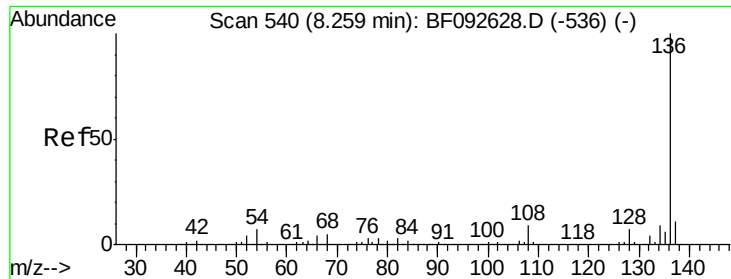
Ion Ratio Lower Upper

94 100

65 30.5 21.4 61.4

66 45.1 44.0 84.0





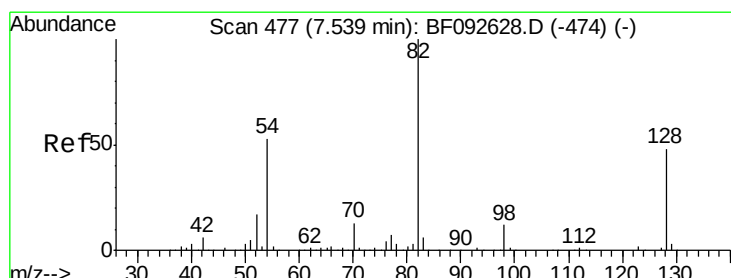
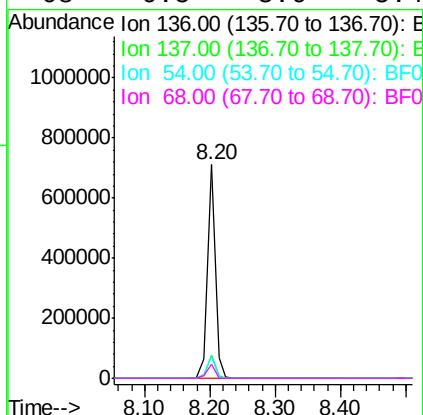
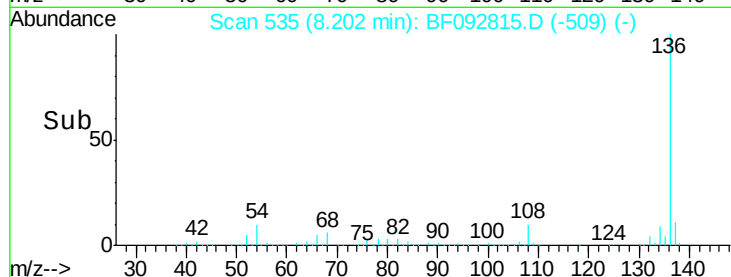
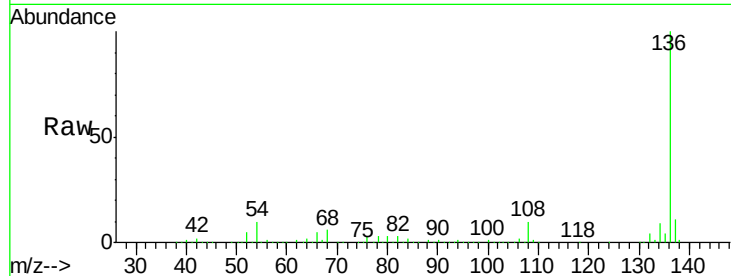
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF092815.D
Acq: 7 Feb 2017 00:10

Instrument :
BNA_F
ClientSampled :
F-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100	586001		
137	11.0		8.4	12.6
54	10.1		4.5	6.7#
68	6.5		3.6	5.4#

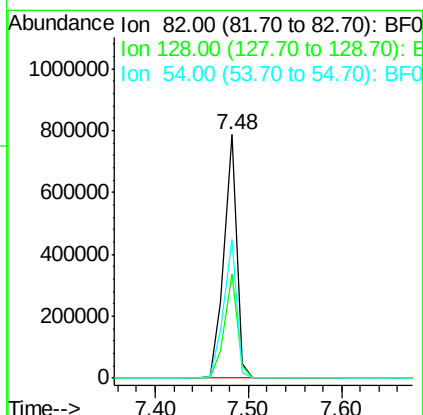
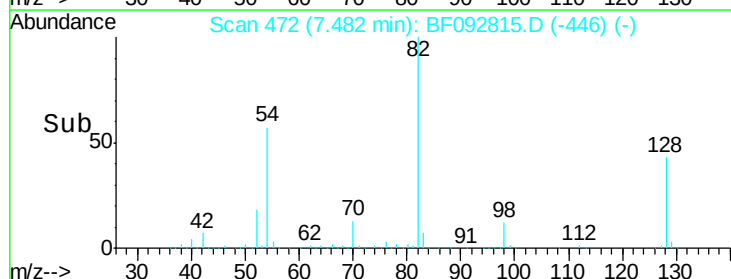
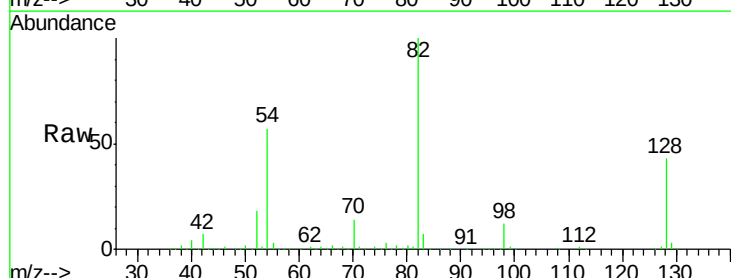
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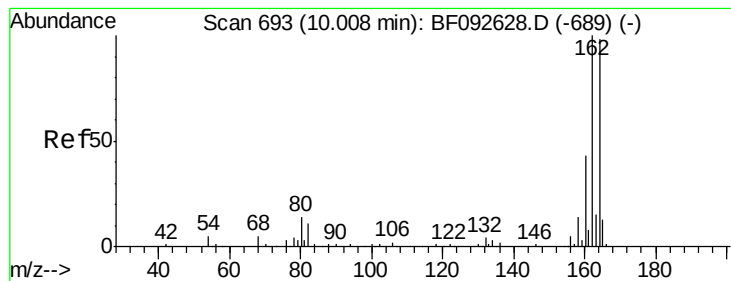
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#23
Nitrobenzene-d5
Concen: 71.62 ng
RT: 7.48 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF092815.D
Acq: 7 Feb 2017 00:10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	753665		
128	42.8		34.6	52.0
54	57.0		39.5	59.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 689

Delta R.T. 0.00 min

Lab File: BF092815.D

Acq: 7 Feb 2017 00:10

Instrument :

BNA_F

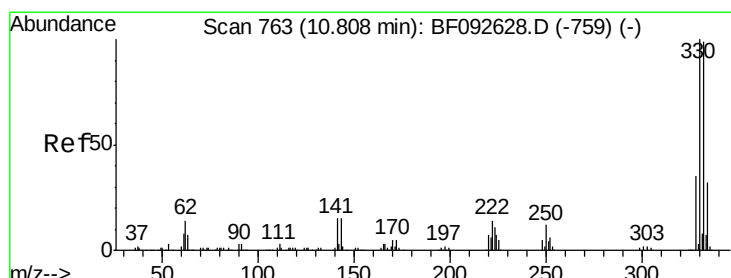
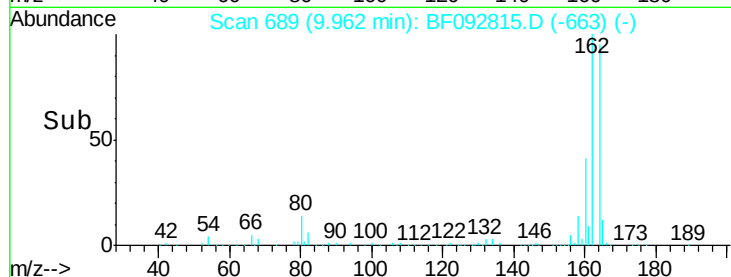
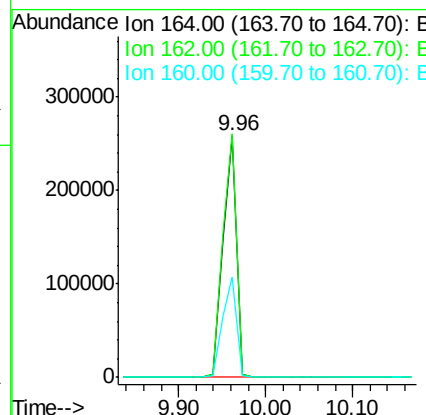
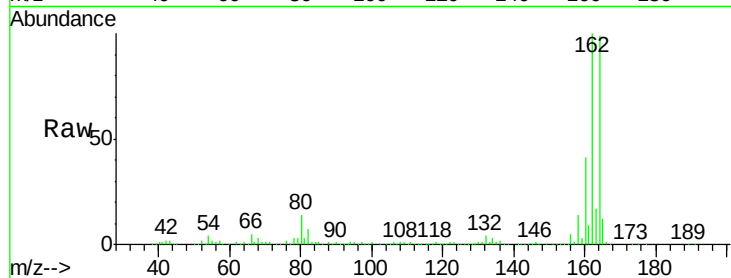
ClientSampleId :

F-1

Tot Ion:	164	Resp:	287097
Ion Ratio	Lower	Upper	
164	100		
162	100.8	80.2	120.2
160	41.5	36.9	55.3

Manual Integrations
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#41

2,4,6-Tribromophenol

Concen: 6.72 ng

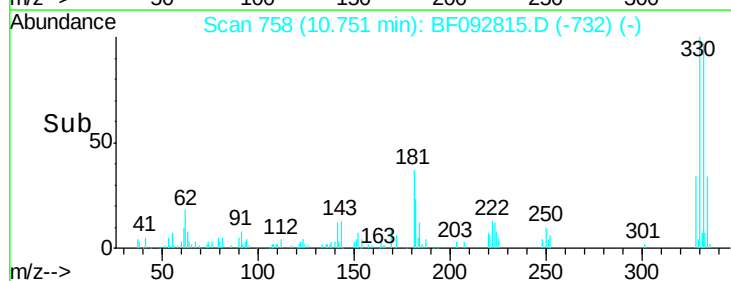
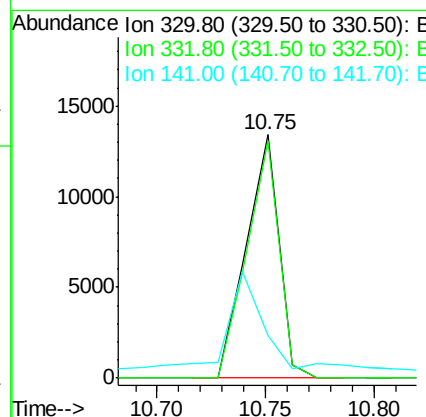
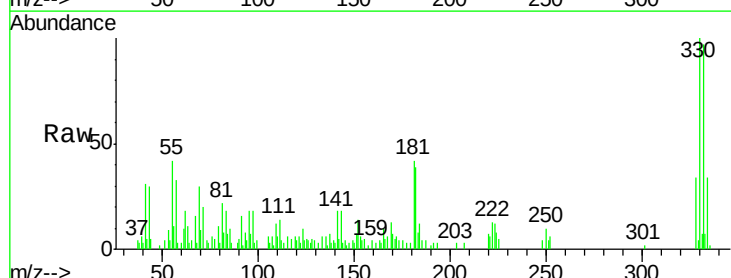
RT: 10.75 min Scan# 758

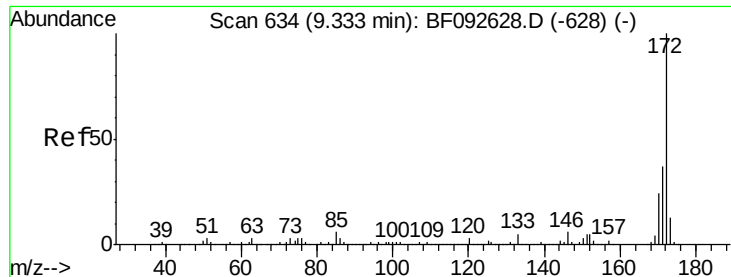
Delta R.T. 0.00 min

Lab File: BF092815.D

Acq: 7 Feb 2017 00:10

Tgt Ion:	330	Resp:	13944
Ion Ratio	Lower	Upper	
330	100		
332	96.6	77.4	116.2
141	45.4	34.1	51.1





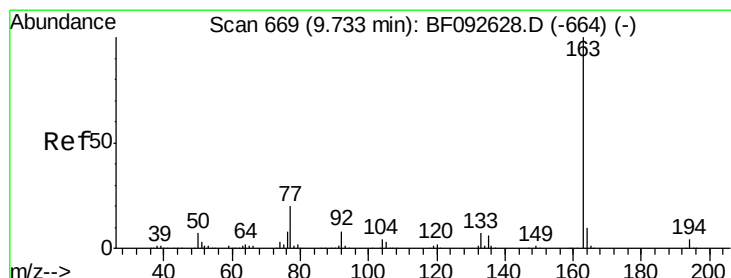
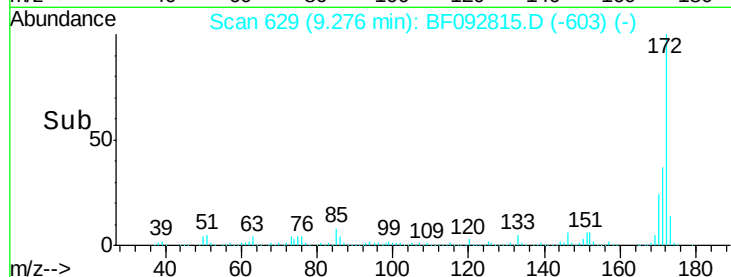
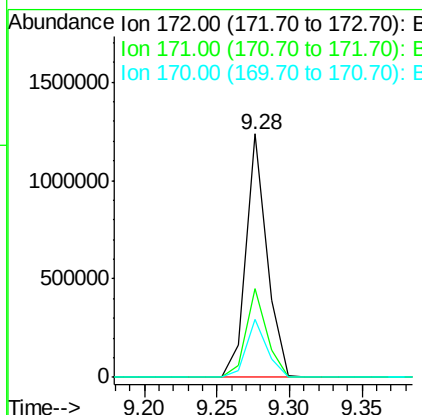
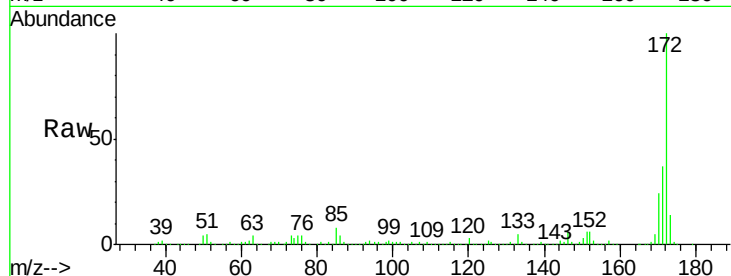
#44
2-Fluorobiphenyl
Concen: 78.23 ng
RT: 9.28 min Scan# 629
Delta R.T. 0.00 min
Lab File: BF092815.D
Acq: 7 Feb 2017 00:10

Instrument :
BNA_F
ClientSampleId :
F-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	23.8	20.2	30.4

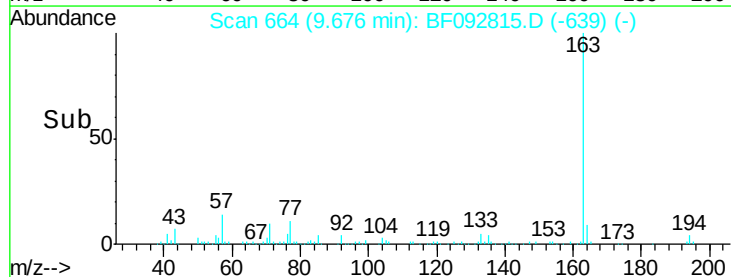
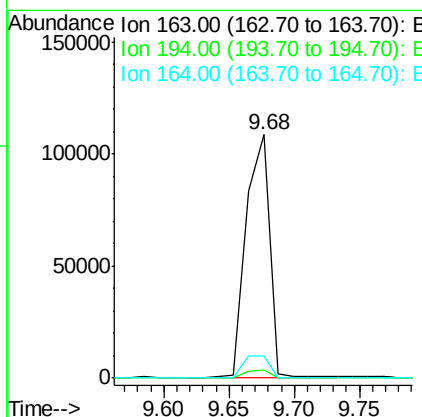
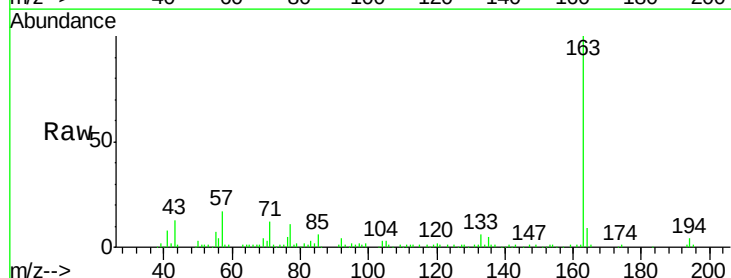
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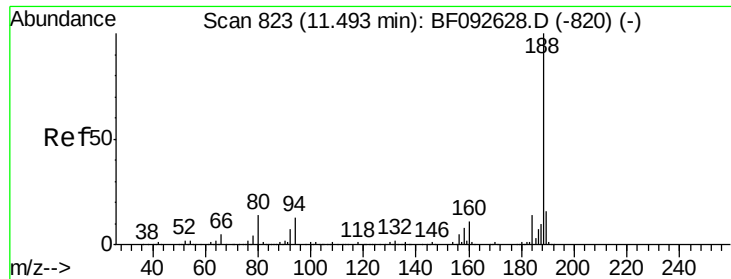
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#49
Dimethylphthalate
Concen: 6.92 ng
RT: 9.68 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF092815.D
Acq: 7 Feb 2017 00:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	9.1	8.0	12.0





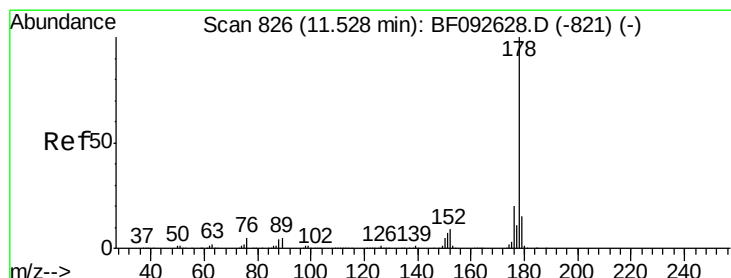
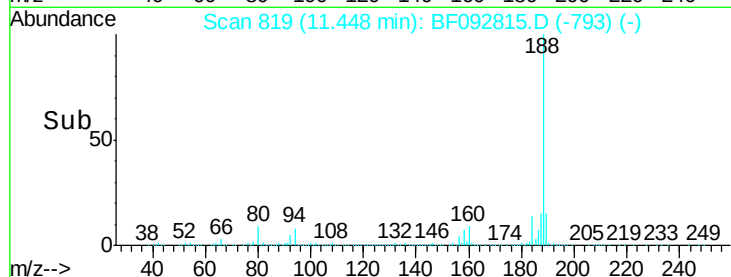
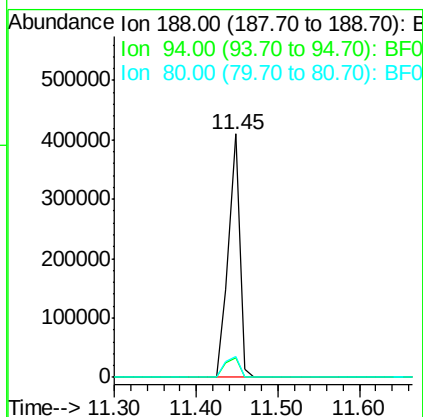
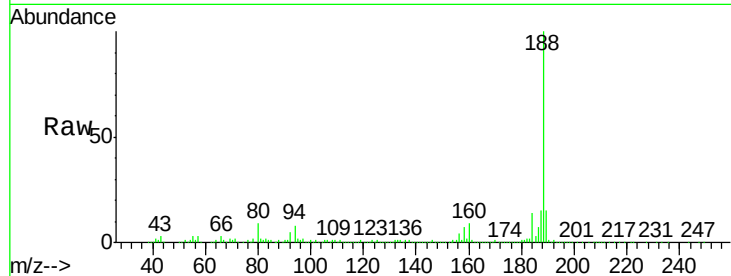
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Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF092815.D
Acq: 7 Feb 2017 00:10

Instrument :
BNA_F
ClientSampled :
F-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	399120		
94	8.2		10.0	15.0#
80	8.7		11.2	16.8#

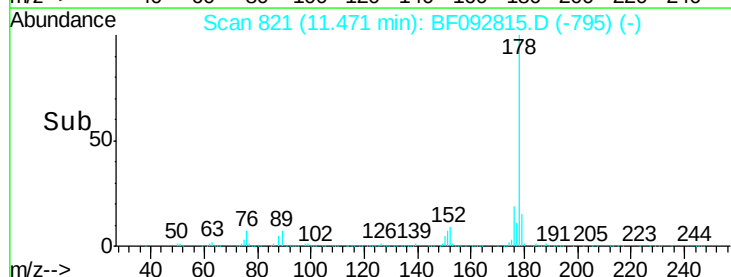
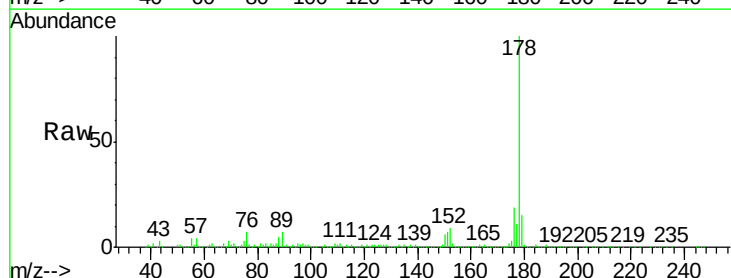
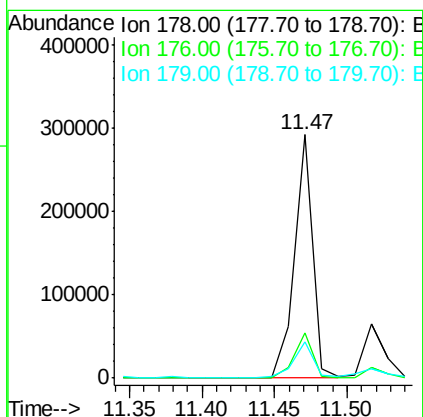
Manual Integrations
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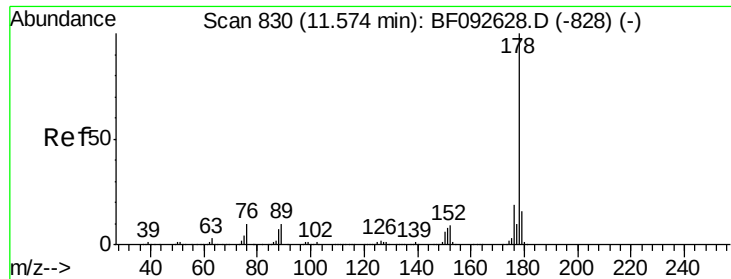
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#70
Phenanthrene
Concen: 11.02 ng
RT: 11.47 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF092815.D
Acq: 7 Feb 2017 00:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	251874		
176	18.7		16.6	25.0
179	15.0		12.8	19.2





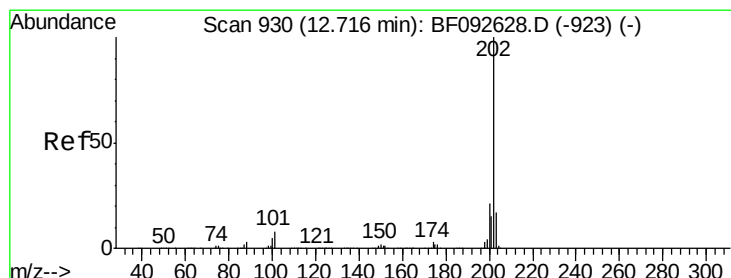
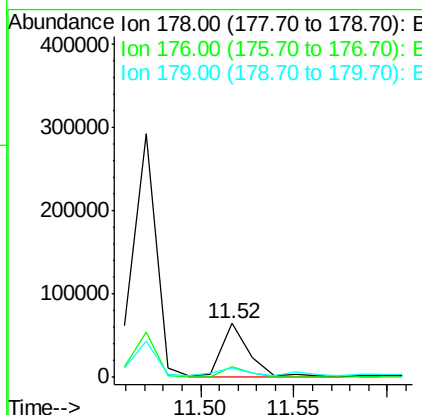
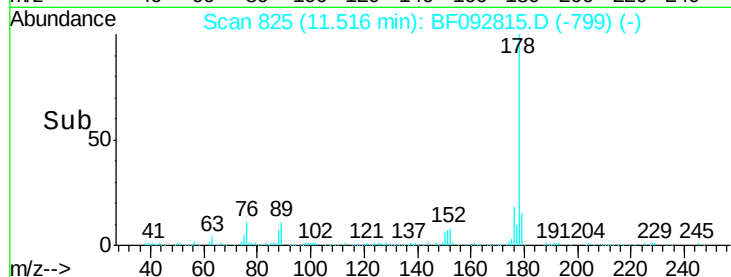
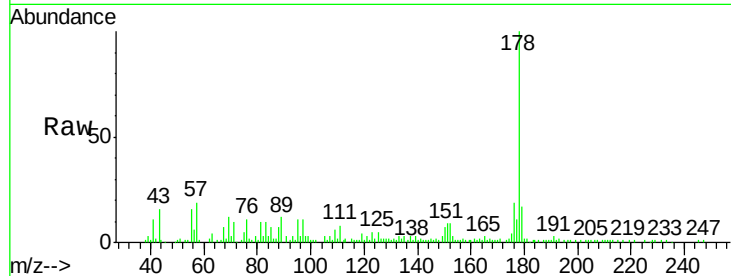
#71
 Anthracene
 Concen: 2.76 ng
 RT: 11.52 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BF092815.D
 Acq: 7 Feb 2017 00:10

Instrument :
 BNA_F
 ClientSampleId :
 F-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.9	23.9
179	17.1	13.2	19.8

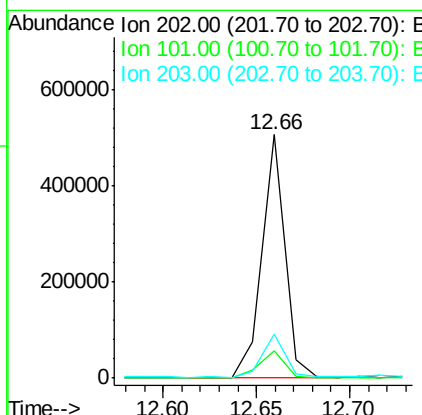
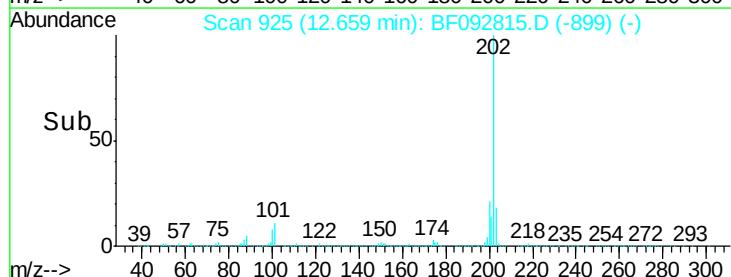
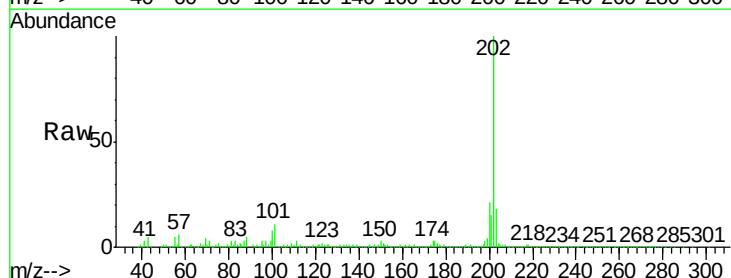
Manual Integrations
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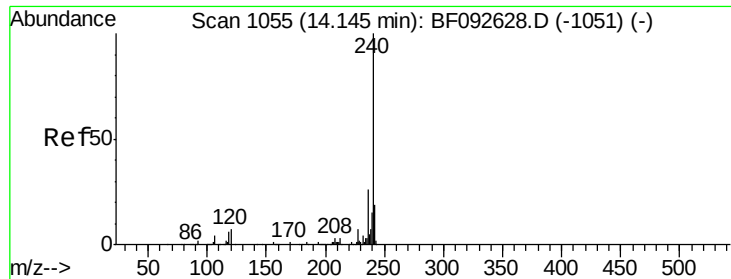
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#74
 Fluoranthene
 Concen: 18.05 ng
 RT: 12.66 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: BF092815.D
 Acq: 7 Feb 2017 00:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	34.6
203	17.9	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF092815.D

Acq: 7 Feb 2017 00:10

Instrument :

BNA_F

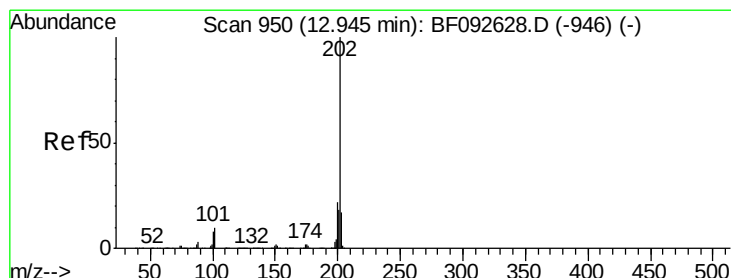
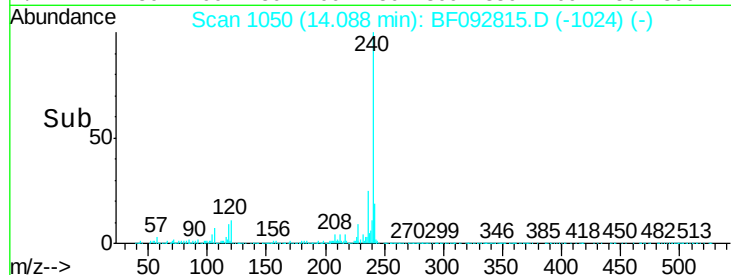
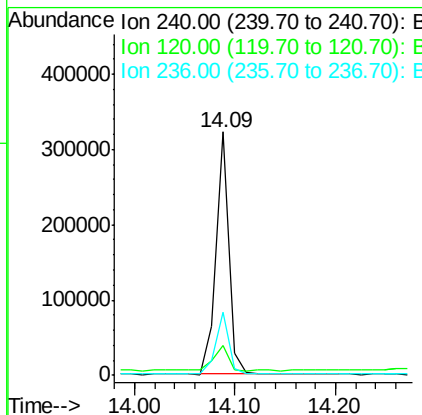
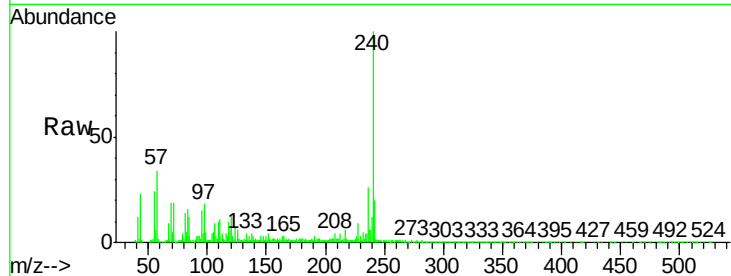
ClientSampleId :

F-1

Tot Ion:	240	Resp:	287556
Ion Ratio	Lower	Upper	
240	100		
120	12.5	12.9	19.3#
236	25.7	20.9	31.3

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#77

Pyrene

Concen: 17.12 ng

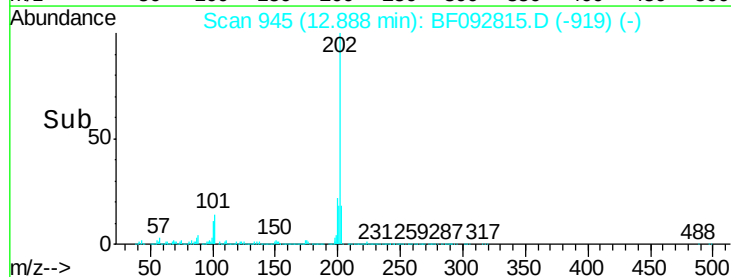
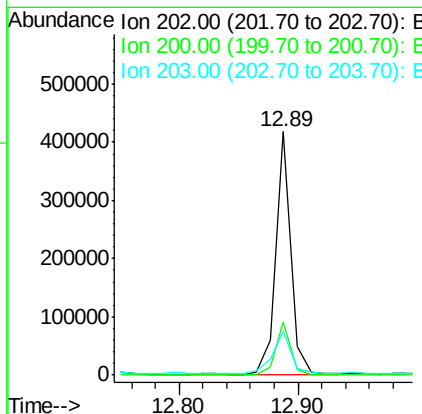
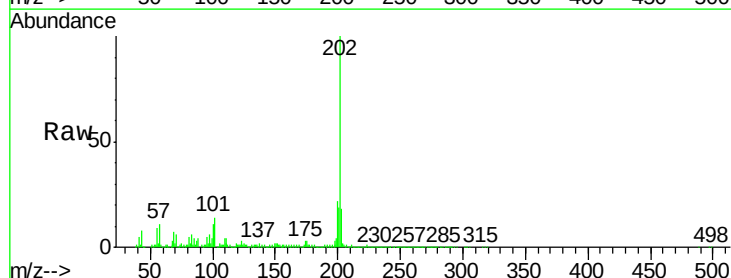
RT: 12.89 min Scan# 945

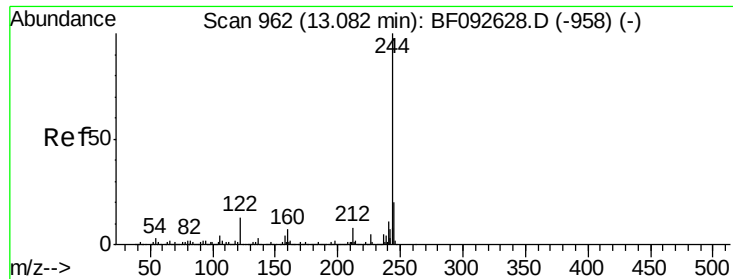
Delta R.T. 0.00 min

Lab File: BF092815.D

Acq: 7 Feb 2017 00:10

Tgt Ion:	202	Resp:	368430
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.7	26.5
203	18.3	14.7	22.1





#78

Terphenyl-d14

Concen: 75.32 ng

RT: 13.04 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF092815.D

Acq: 7 Feb 2017 00:10

Instrument :

BNA_F

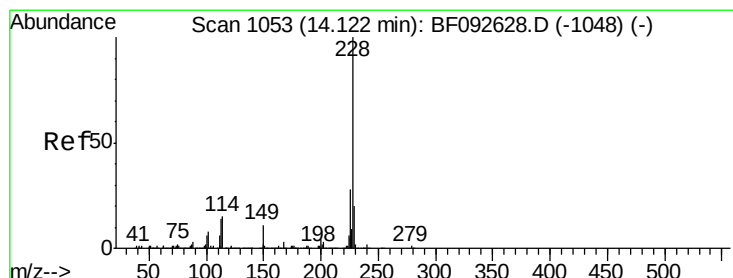
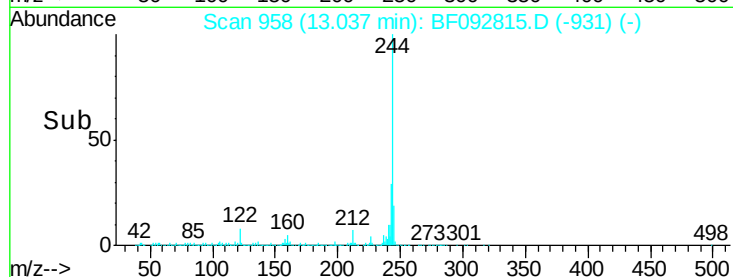
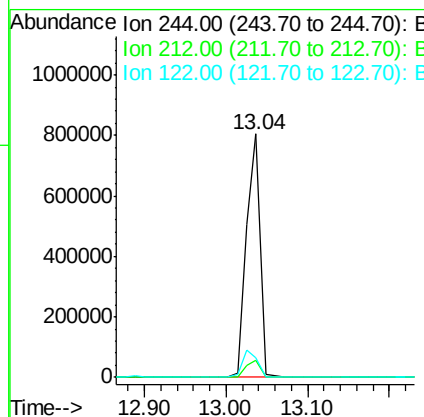
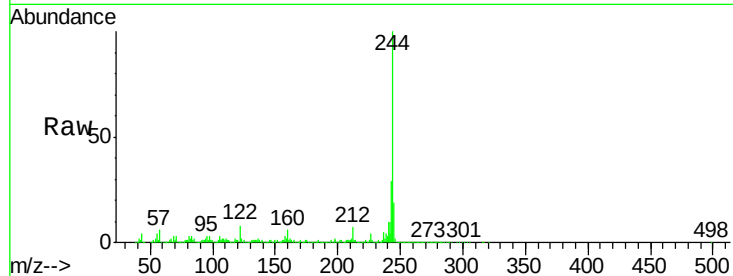
ClientSampled :

F-1

Tot Ion:	244	Resp:	921719
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.2	9.2
122	8.1	11.4	17.2#

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#80

Benzo(a)anthracene

Concen: 7.99 ng m

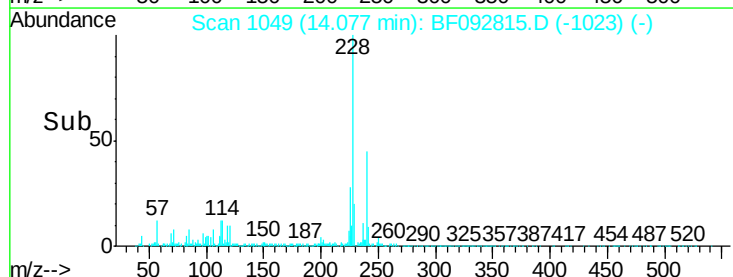
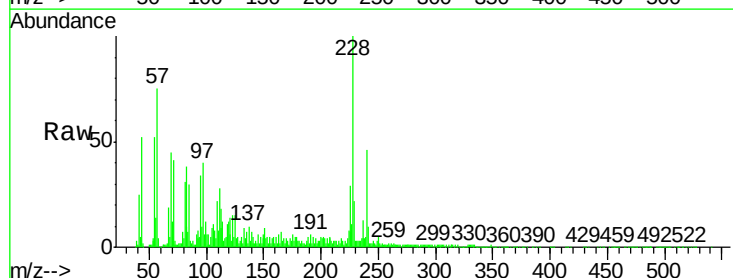
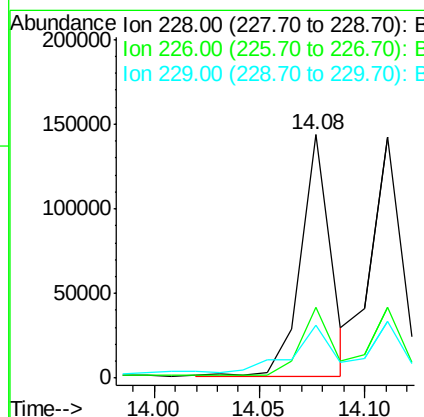
RT: 14.08 min Scan# 1049

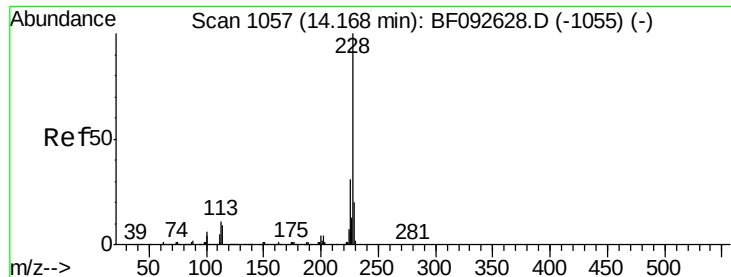
Delta R.T. 0.00 min

Lab File: BF092815.D

Acq: 7 Feb 2017 00:10

Tgt Ion:	228	Resp:	140552
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.4	33.6
229	21.6	16.2	24.4





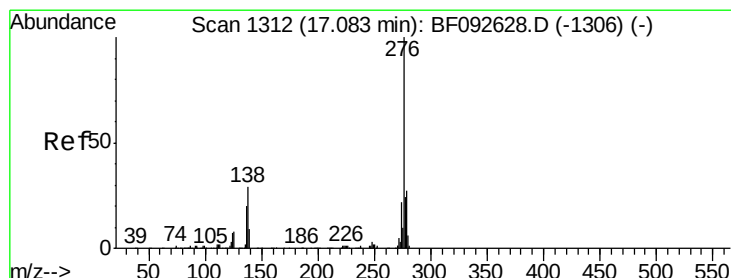
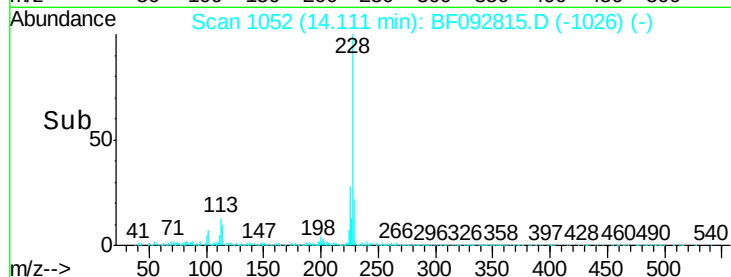
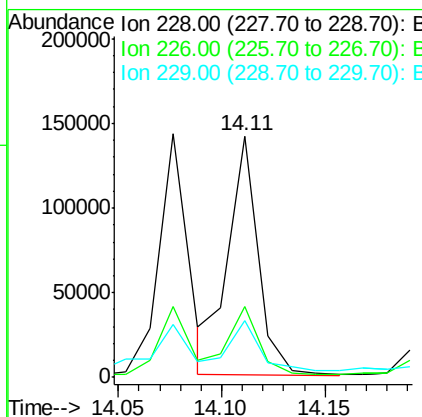
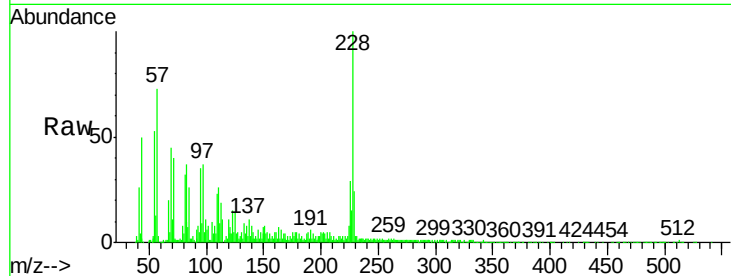
#82
Chrysene
Concen: 8.74 ng/mL
RT: 14.11 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF092815.D
Acq: 7 Feb 2017 00:10

Instrument :
BNA_F
ClientSampleId :
F-1

Tot Ion:	228	Resp:	143851
Ion Ratio	Lower	Upper	
228	100		
226	29.5	25.4	38.0
229	23.7	16.2	24.2

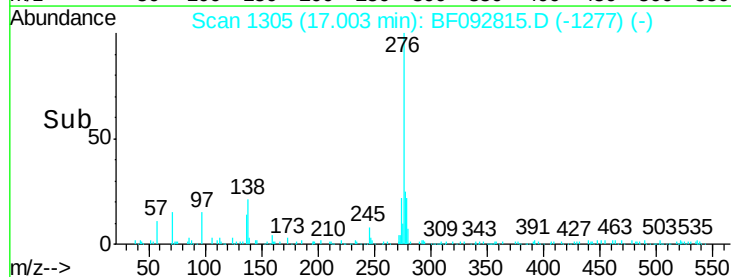
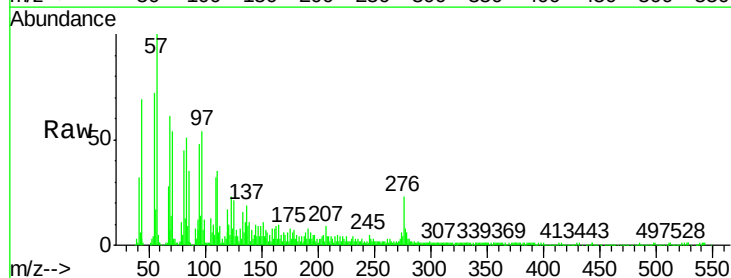
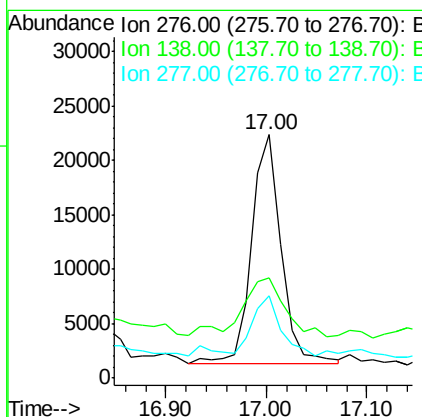
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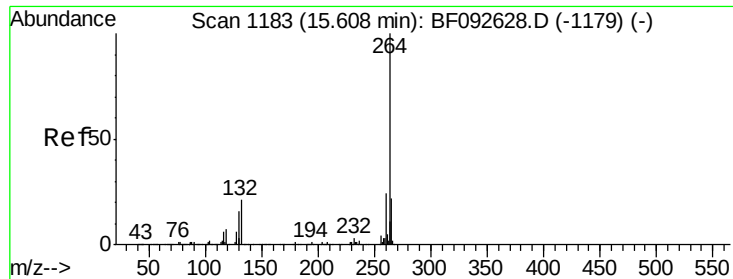
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.37 ng/mL
RT: 17.00 min Scan# 1305
Delta R.T. 0.02 min
Lab File: BF092815.D
Acq: 7 Feb 2017 00:10

Tgt Ion:	276	Resp:	42992
Ion Ratio	Lower	Upper	
276	100		
138	38.1	21.8	32.6#
277	24.4	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.55 min Scan# 1178

Delta R.T. 0.02 min

Lab File: BF092815.D

Acq: 7 Feb 2017 00:10

Instrument :

BNA_F

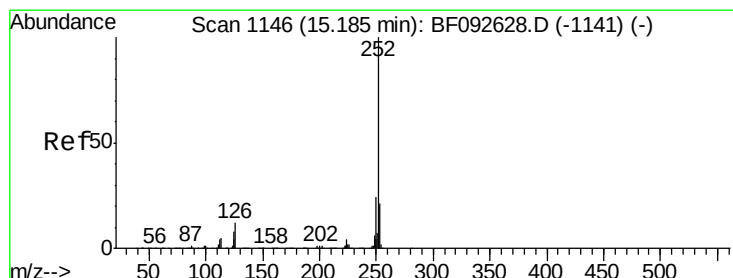
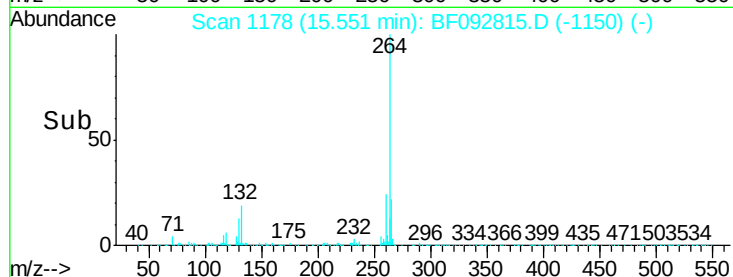
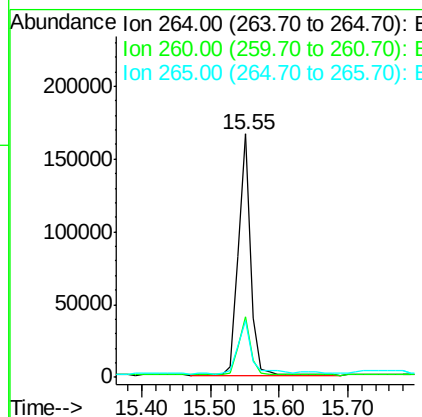
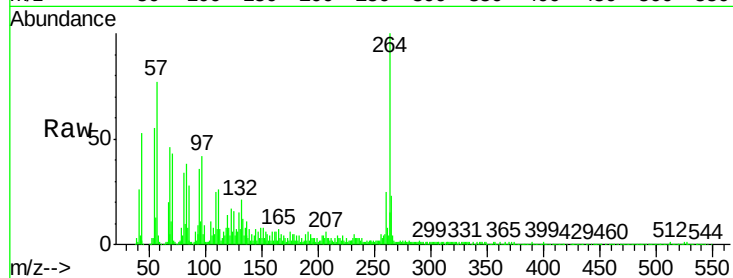
ClientSampleId :

F-1

Tot Ion:	264	Resp:	210963
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.2	28.8
265	23.4	17.4	26.0

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#87

Benzo(b)fluoranthene

Concen: 9.46 ng m

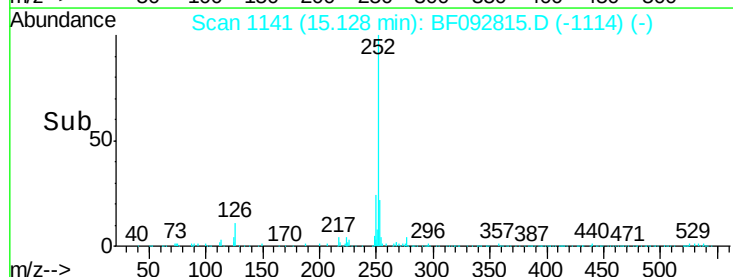
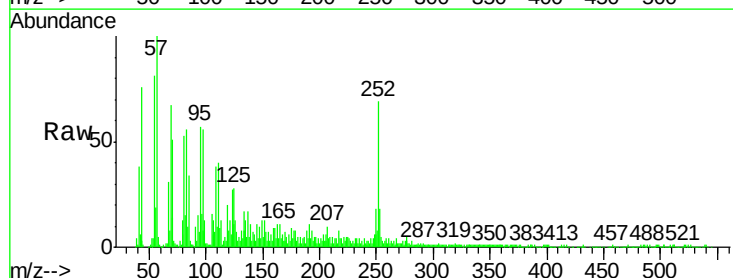
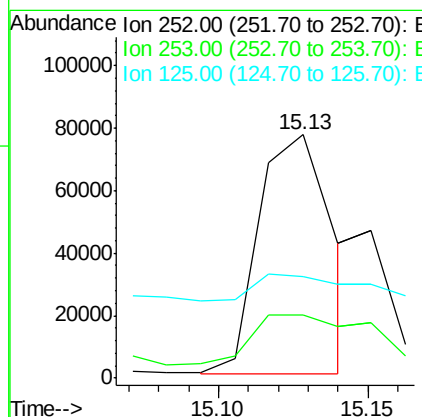
RT: 15.13 min Scan# 1141

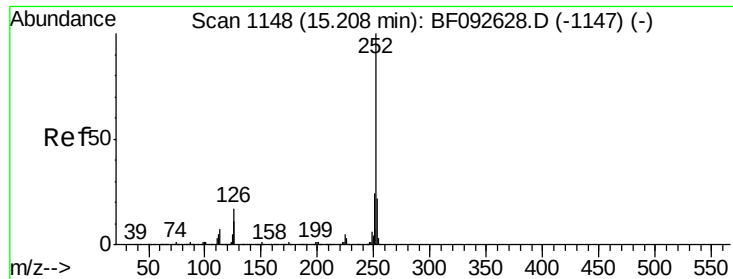
Delta R.T. 0.01 min

Lab File: BF092815.D

Acq: 7 Feb 2017 00:10

Tgt Ion:	252	Resp:	131399
Ion Ratio	Lower	Upper	
252	100		
253	26.0	18.2	27.4
125	41.5	9.8	14.6#





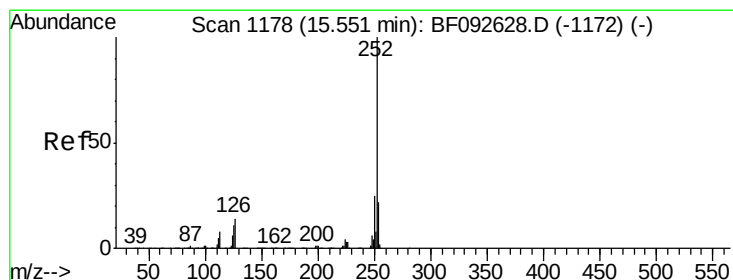
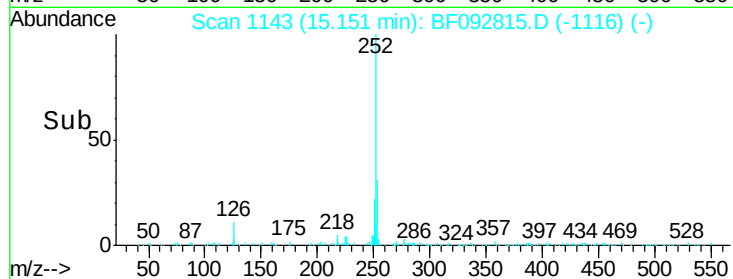
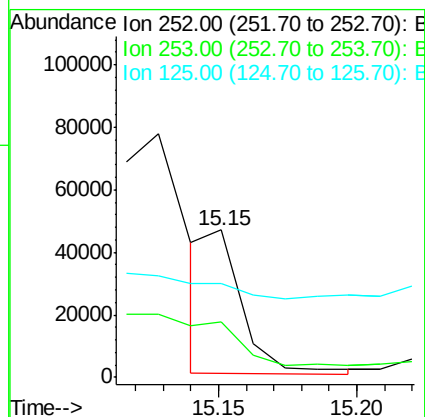
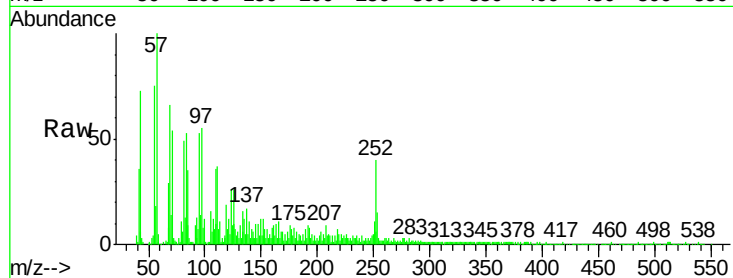
#88
Benzo(k)fluoranthene
Concen: 3.46 ng m
RT: 15.15 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF092815.D
Acq: 7 Feb 2017 00:10

Instrument :
BNA_F
ClientSampleId :
F-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.4	18.5	27.7#
125	63.8	8.9	13.3#

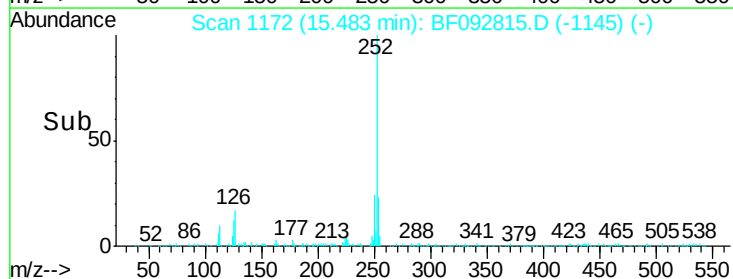
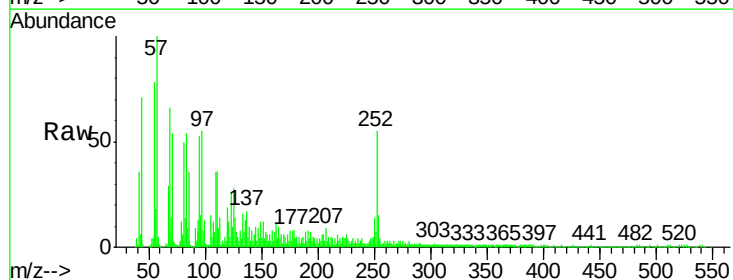
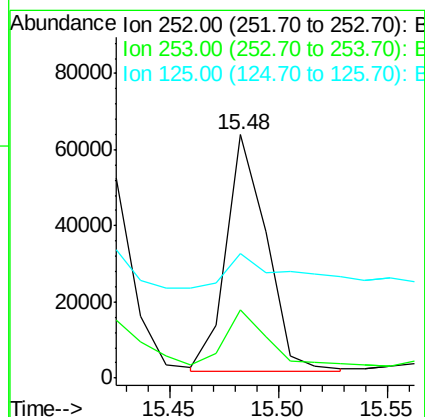
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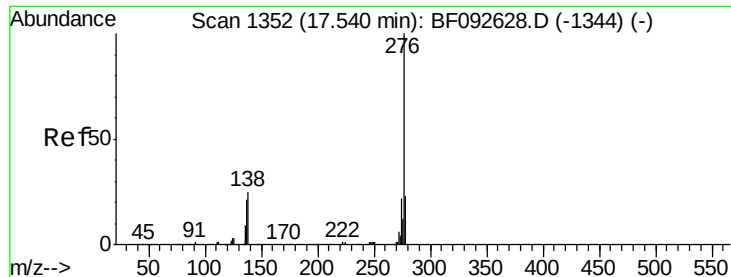
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#89
Benzo(a)pyrene
Concen: 6.66 ng
RT: 15.48 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BF092815.D
Acq: 7 Feb 2017 00:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	18.2	27.2#
125	51.3	10.0	15.0#





#91
 Benzo(a,h,i)perylene
 Concen: 3.98 ng
 RT: 17.44 min Scan# 1343
 Delta R.T. 0.01 min
 Lab File: BF092815.D
 Acq: 7 Feb 2017 00:10

Instrument :
 BNA_F
 ClientSampleId :
 F-1

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	34.4	19.2	28.8#	
138	48.1	16.0	24.0#	

Manual Integrations
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