

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093219.D
 Acq On : 27 Feb 2017 22:02
 Operator : SJ/MA
 Sample : I2013-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CR-1

Manual Integrations
 APPROVED

mohammad
 2/28/2017 2:35:07 PM

Quant Time: Feb 28 01:10:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 28 00:51:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	160782	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	626956	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	304622	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	511450	20.00	ng	0.00
75) Chrysene-d12	13.99	240	370841	20.00	ng	0.00
86) Perylene-d12	15.41	264	314636	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	159453	17.01	ng	0.01
7) Phenol-d6	6.46	99	1117277	92.66	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1049201	93.19	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	14521	6.59	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	1566266	93.15	ng	0.00
78) Terphenyl-d14	12.93	244	1096613	69.48	ng	0.00
Target Compounds						
10) Phenol	6.48	94	90806	6.44	ng	Qvalue 96
49) Dimethylphthalate	9.57	163	111227	5.42	ng	# 99
70) Phenanthrene	11.37	178	169087	5.77	ng	97
74) Fluoranthene	12.56	202	200215	6.62	ng	95
77) Pyrene	12.79	202	156794	5.65	ng	97
80) Benzo(a)anthracene	13.97	228	56480	2.49	ng	97
82) Chrysene	14.01	228	69455	3.27	ng	97
87) Benzo(b)fluoranthene	15.00	252	70808m	3.42	ng	
89) Benzo(a)pyrene	15.35	252	46347	2.59	ng	# 84
91) Benzo(g,h,i)perylene	17.23	276	30224	2.07	ng	# 86

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

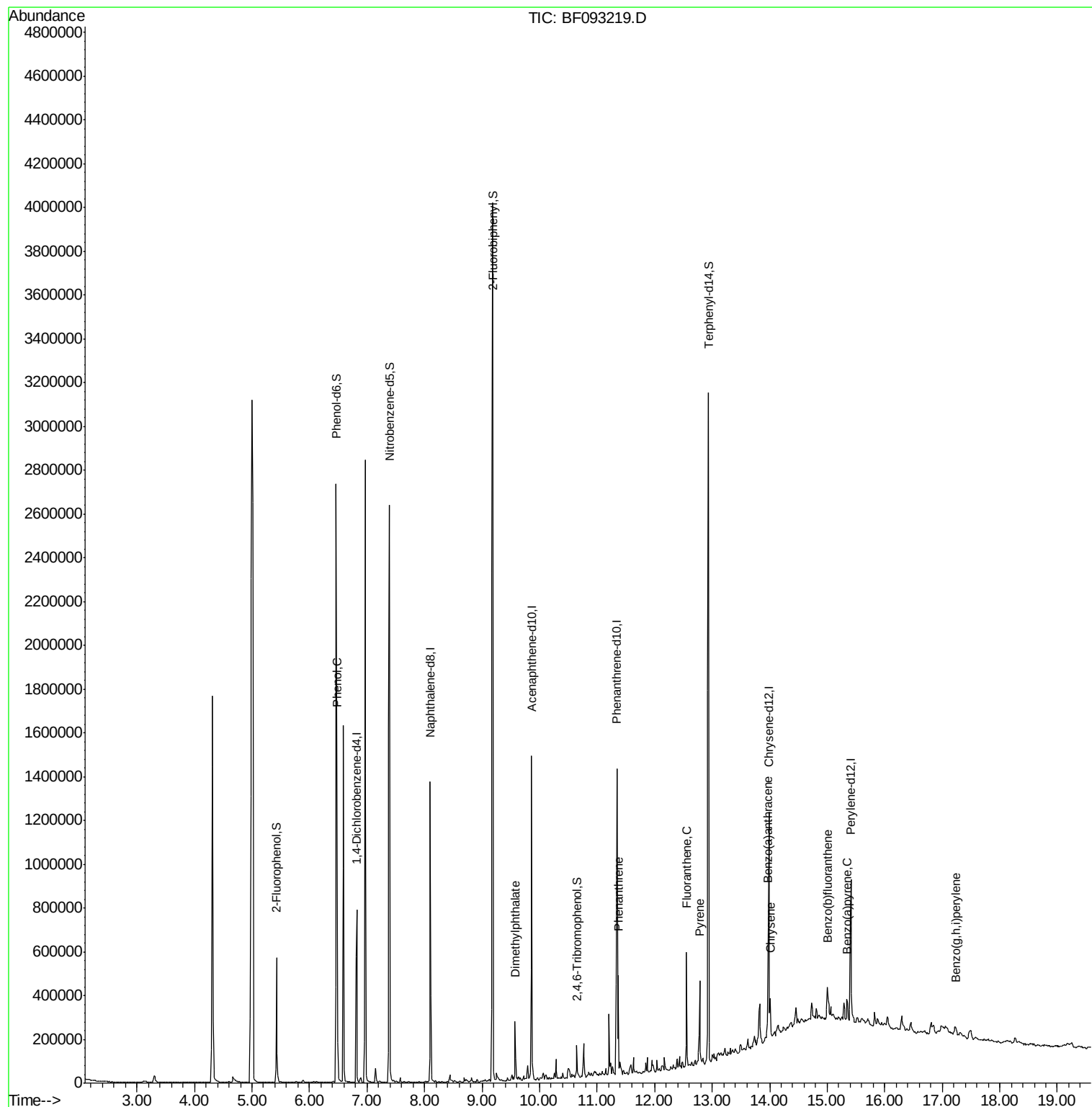
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093219.D
Acq On : 27 Feb 2017 22:02
Operator : SJ/MA
Sample : I2013-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

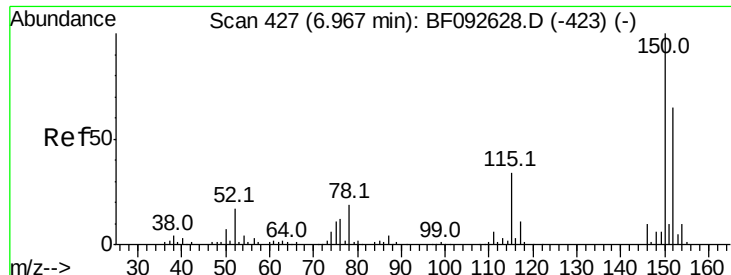
Instrument :
BNA_F
ClientSampleId :
CR-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

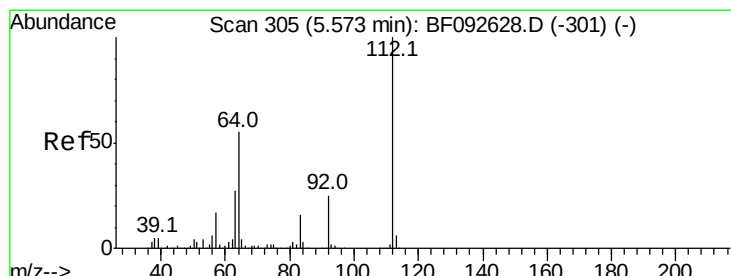
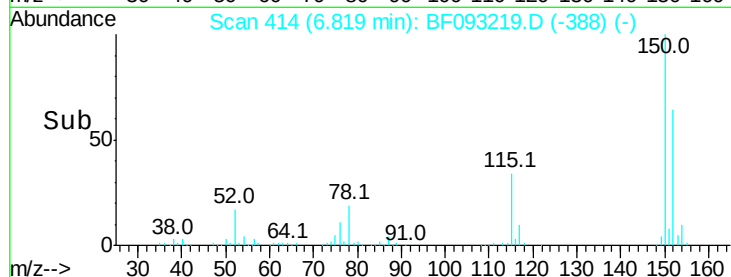
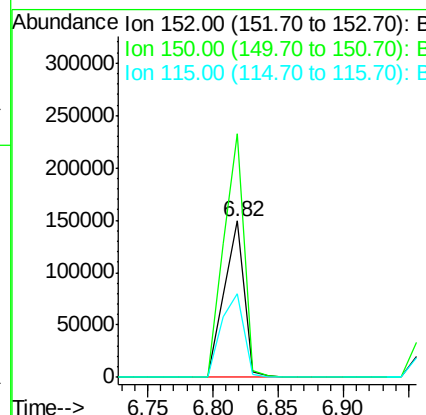
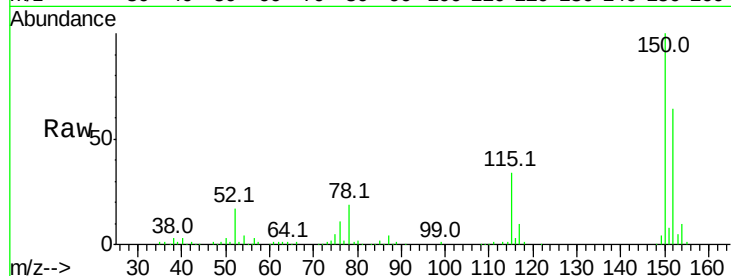
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. 0.00 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Instrument :
BNA_F
ClientSampleId :
CR-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.9	187.3
115	53.1	46.0	69.0

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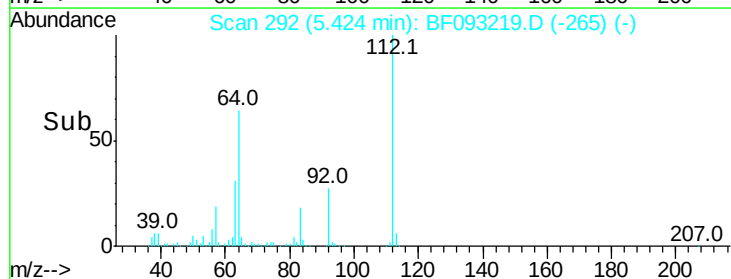
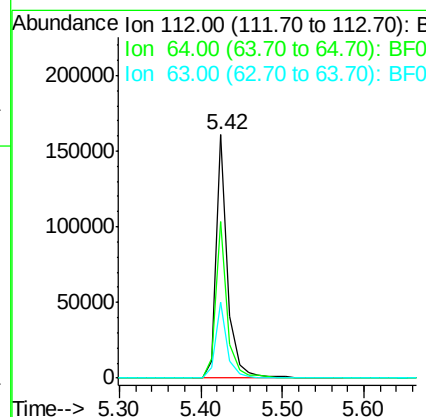
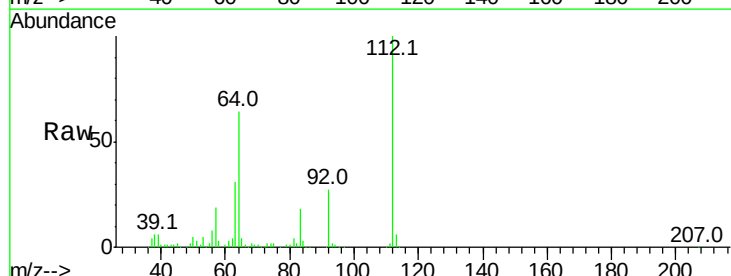
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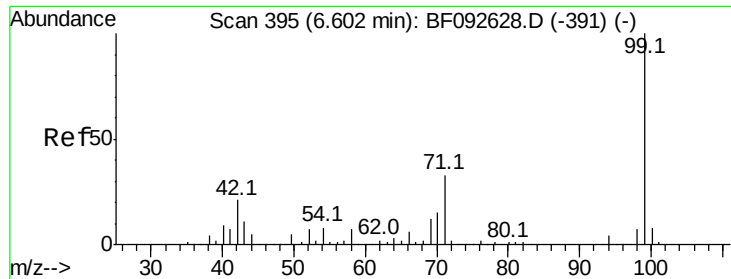


#5

2-Fluorophenol
Concen: 17.01 ng
RT: 5.42 min Scan# 292
Delta R.T. 0.01 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	46.1	69.1
63	31.0	23.8	35.6





#7

Phenol-d6

Concen: 92.66 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

Instrument :

BNA_F

ClientSampleId :

CR-1

Tot Ion: 99 Resp: 1117277

Ion Ratio Lower Upper

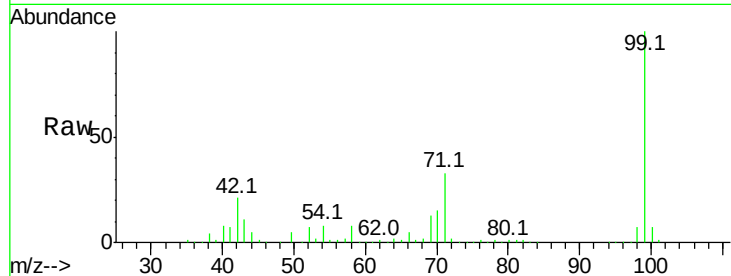
99 100

42 21.0 15.6 23.4

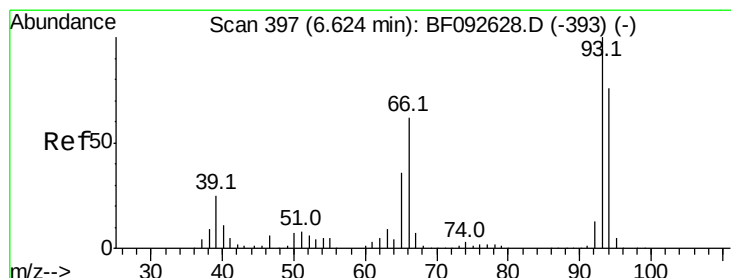
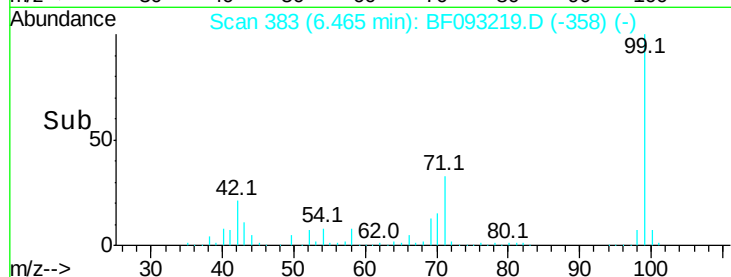
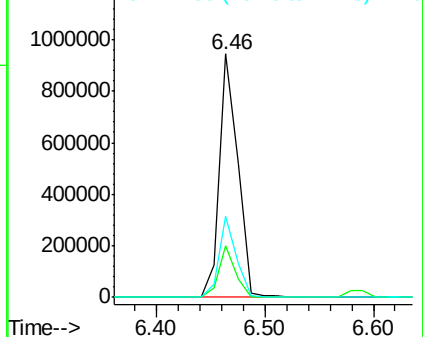
71 33.3 27.5 41.3

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 6.44 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

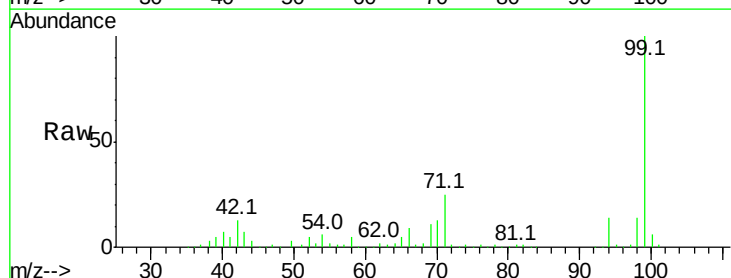
Tgt Ion: 94 Resp: 90806

Ion Ratio Lower Upper

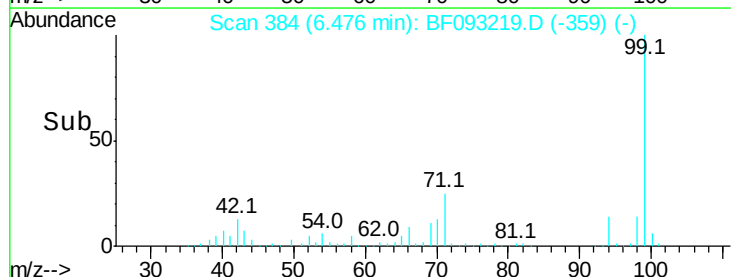
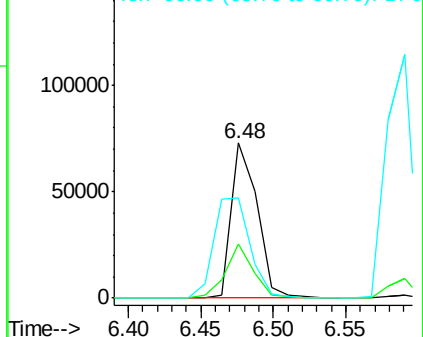
94 100

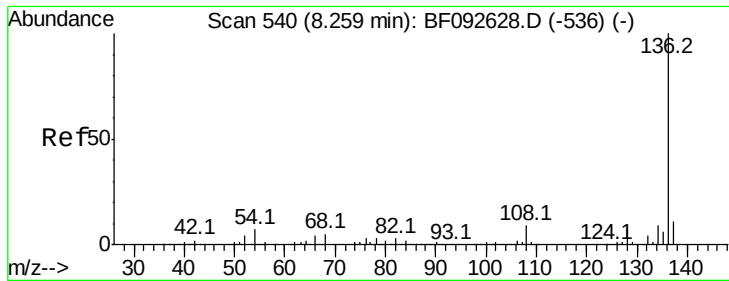
65 35.0 21.4 61.4

66 64.3 44.0 84.0



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





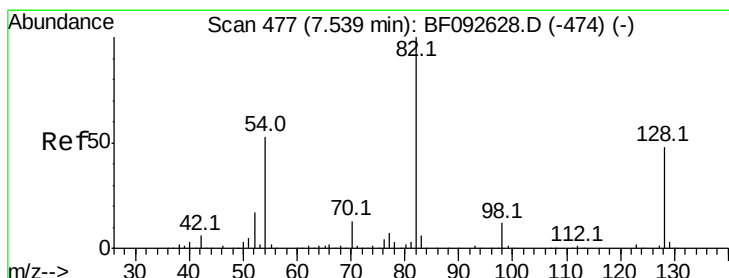
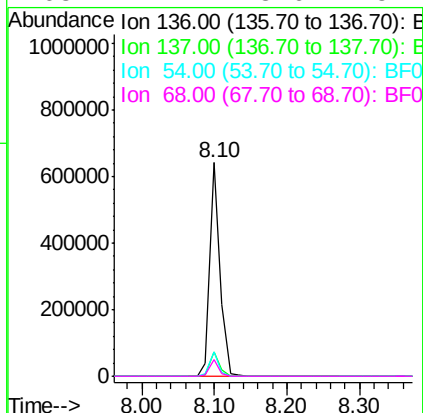
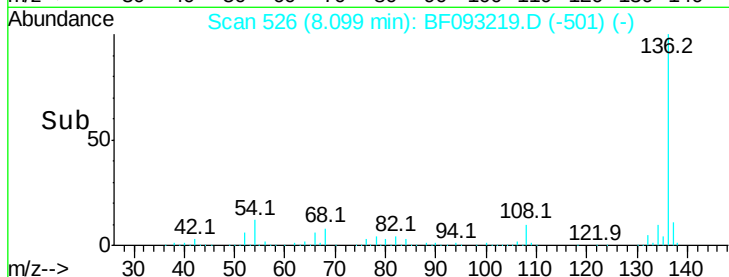
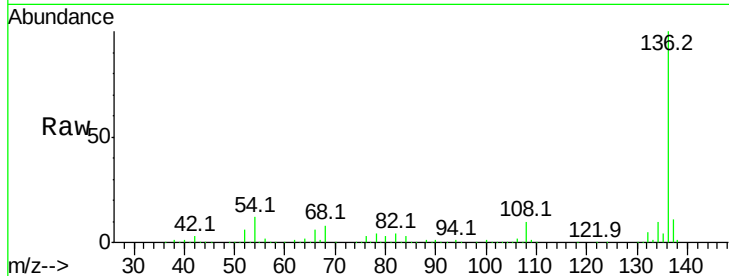
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.01 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Instrument :
BNA_F
ClientSampled :
CR-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	8.4	12.6	
54	11.7	4.5	6.7#	
68	7.7	3.6	5.4#	

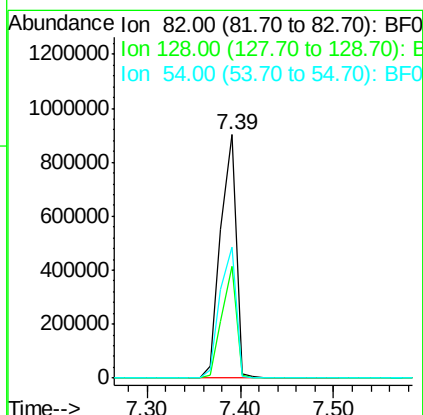
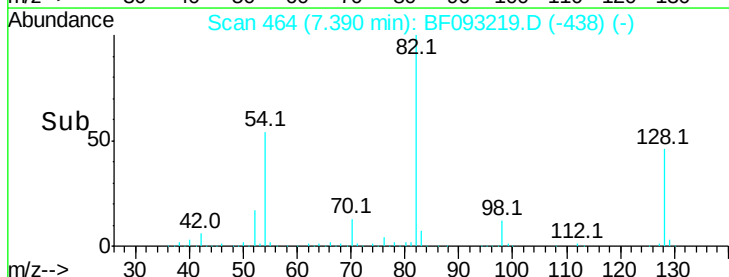
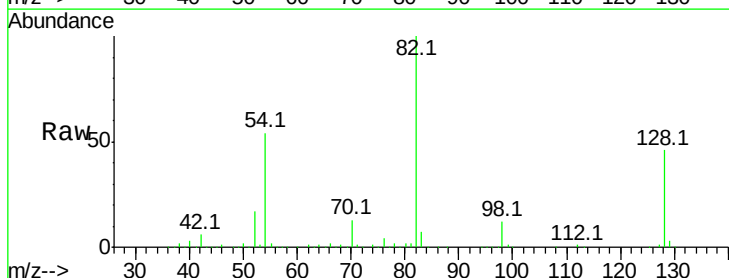
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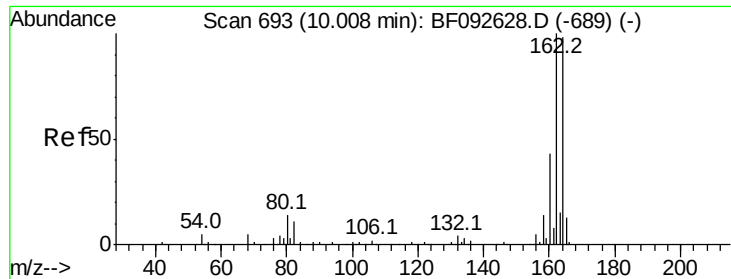
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#23
Nitrobenzene-d5
Concen: 93.19 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.0	34.6	52.0	
54	53.8	39.5	59.3	





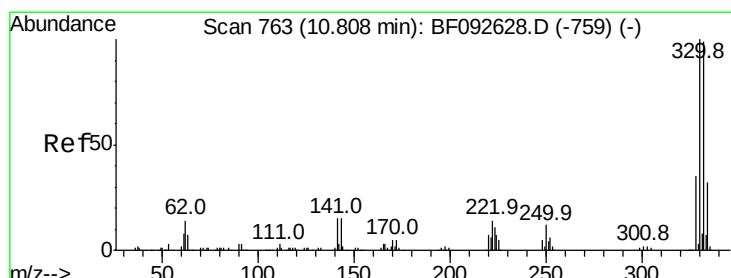
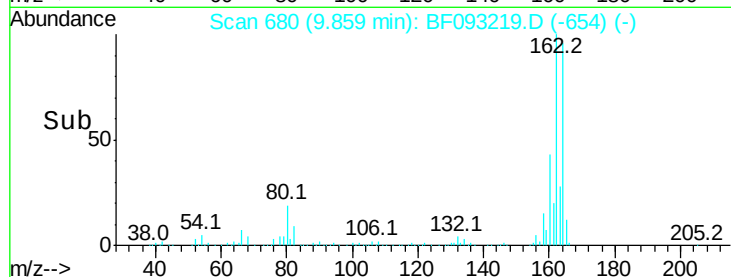
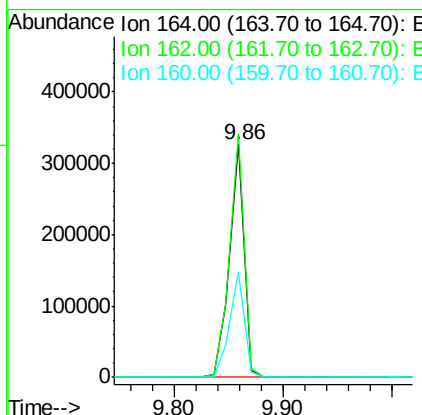
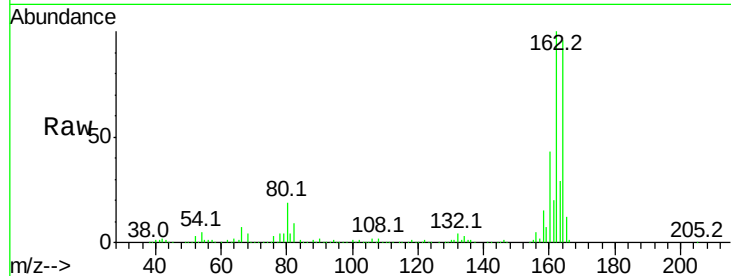
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. 0.00 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Instrument :
BNA_F
ClientSampleId :
CR-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	304622		
162	104.4		80.2	120.2
160	45.0		36.9	55.3

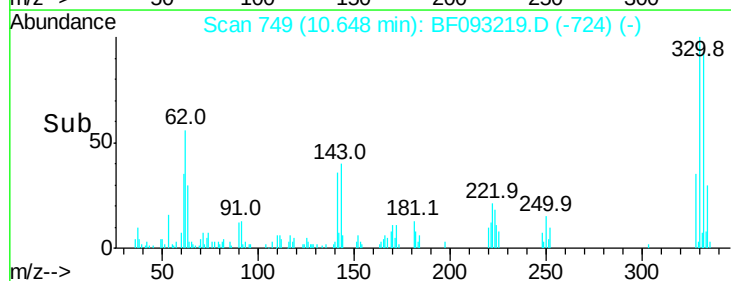
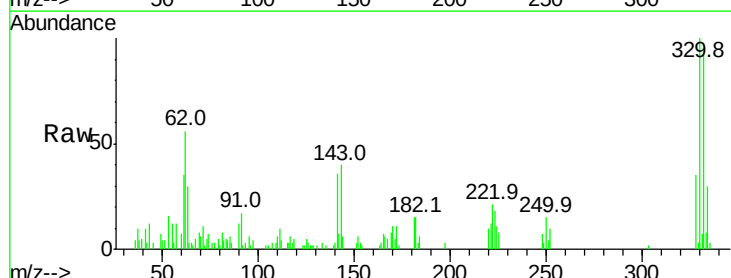
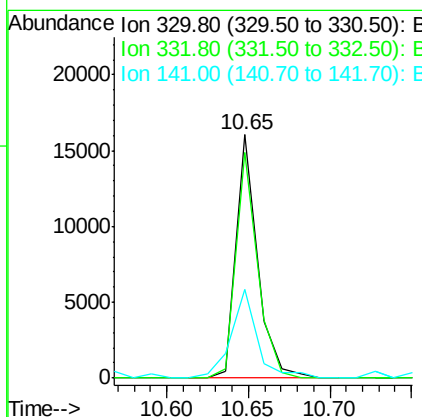
Manual Integrations
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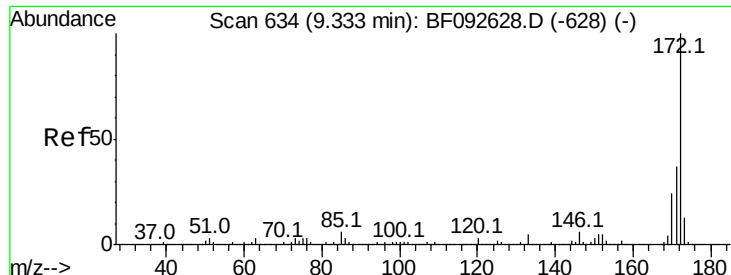
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#41
2,4,6-Tribromophenol
Concen: 6.59 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	14521		
332	93.3		77.4	116.2
141	44.7		34.1	51.1





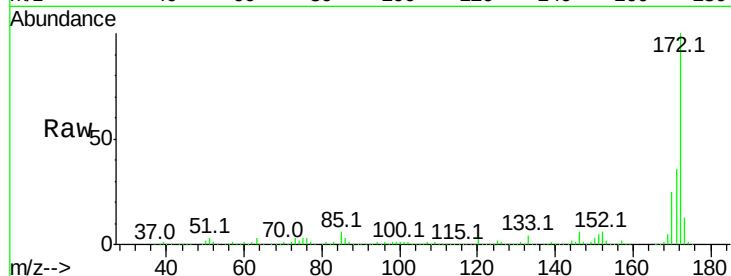
#44
2-Fluorobiphenyl
Concen: 93.15 ng
RT: 9.18 min Scan# 621
Delta R.T. 0.00 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Instrument :
BNA_F
ClientSampleId :
CR-1

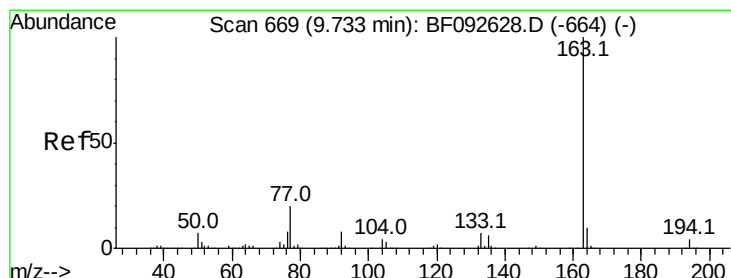
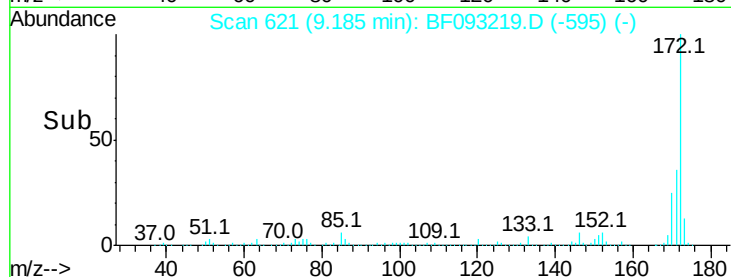
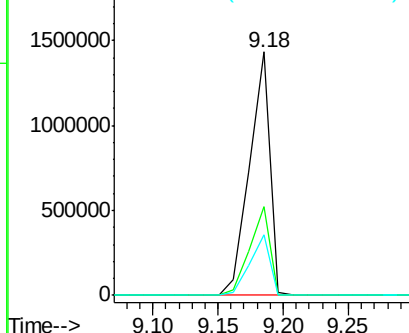
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.8	20.2	30.4

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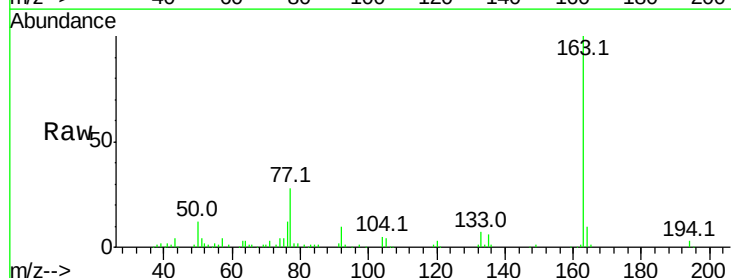


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

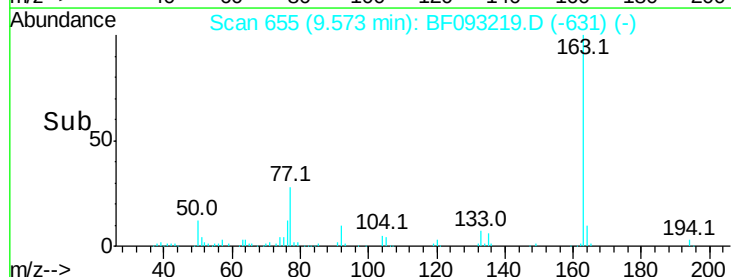
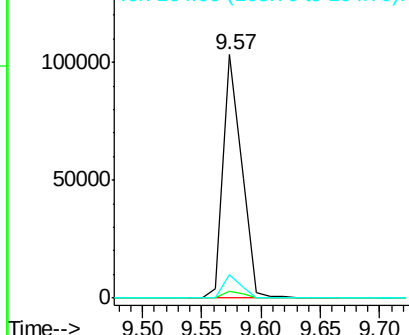


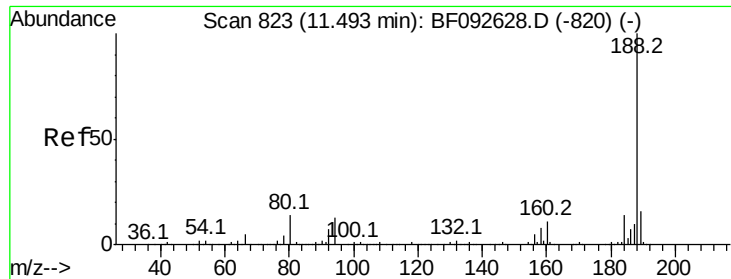
#49
Dimethylphthalate
Concen: 5.42 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.02 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	3.0	4.4#
164	9.9	8.0	12.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

Instrument :

BNA_F

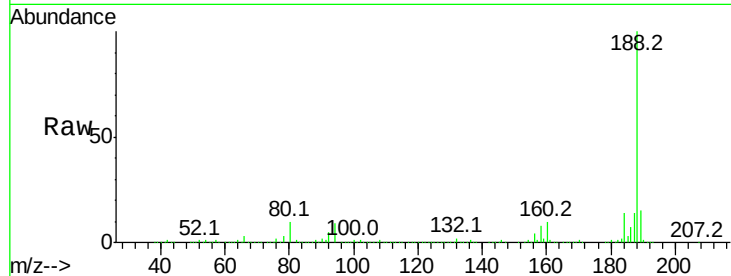
ClientSampled :

CR-1

Tot Ion:	188	Resp:	511450
Ion Ratio	Lower	Upper	
188	100		
94	9.5	10.0	15.0#
80	9.9	11.2	16.8#

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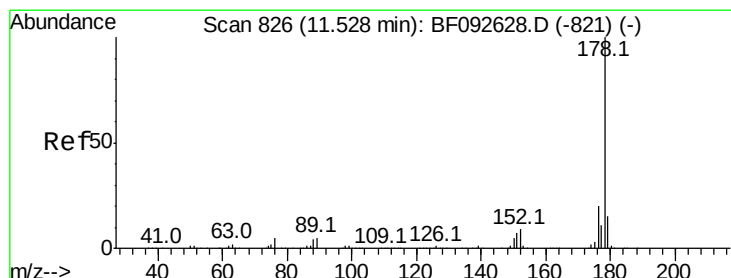
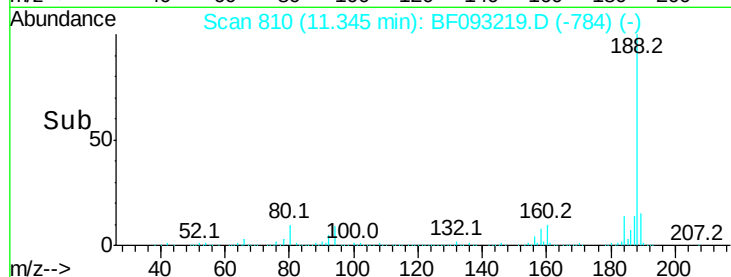
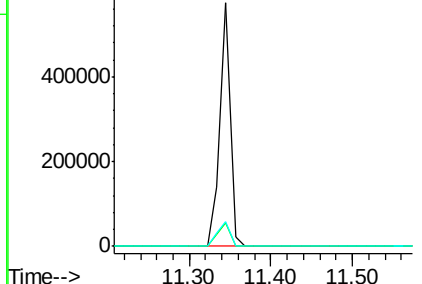
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 5.77 ng

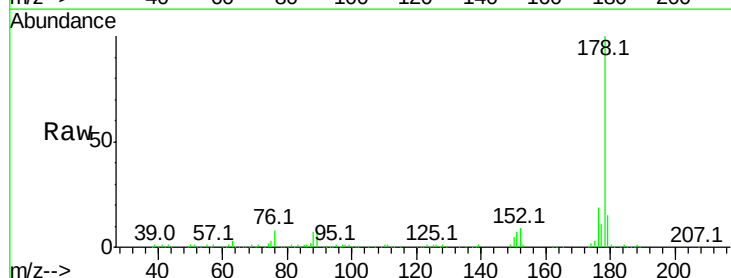
RT: 11.37 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

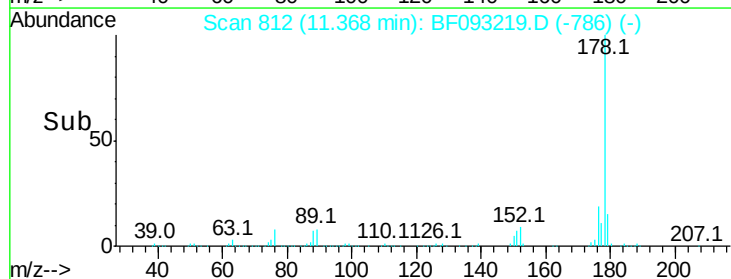
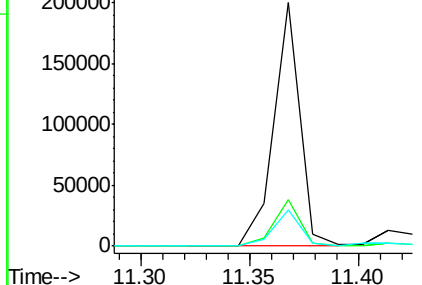
Tgt Ion:	178	Resp:	169087
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.6	25.0
179	15.0	12.8	19.2

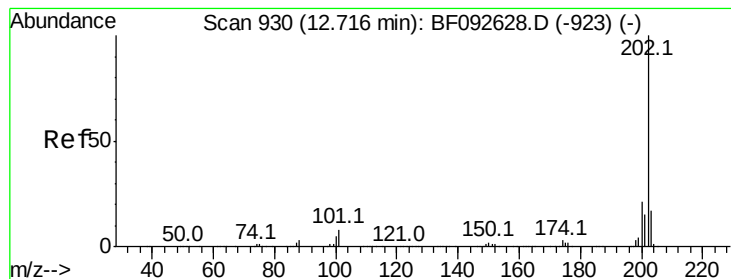


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.62 ng

RT: 12.56 min Scan# 916

Delta R.T. 0.00 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

Instrument :

BNA_F

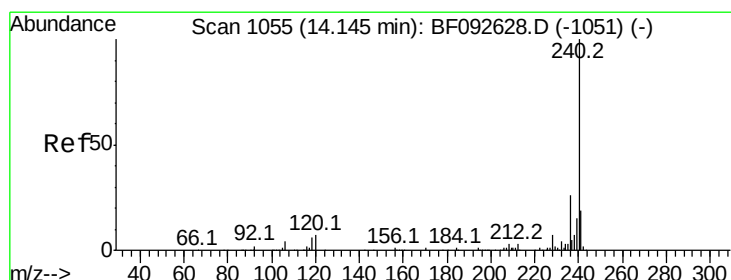
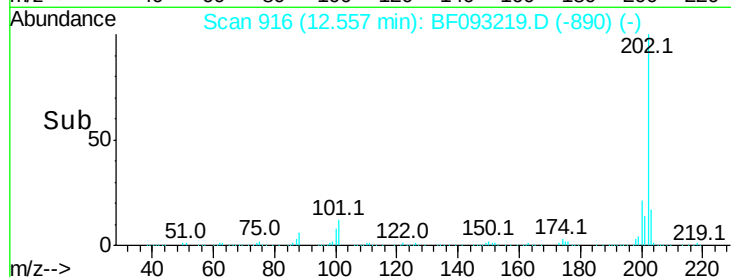
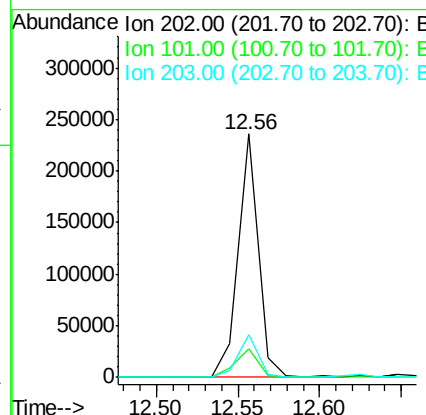
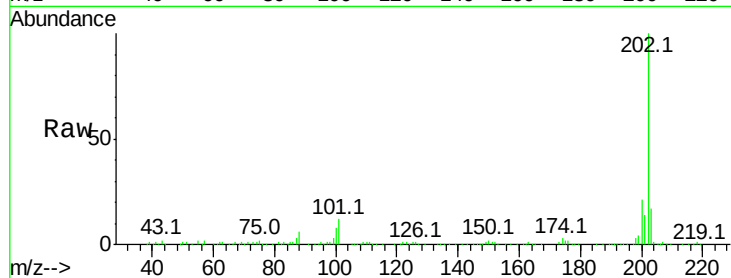
ClientSampleId :

CR-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.6	0.0	34.6
203	17.3	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

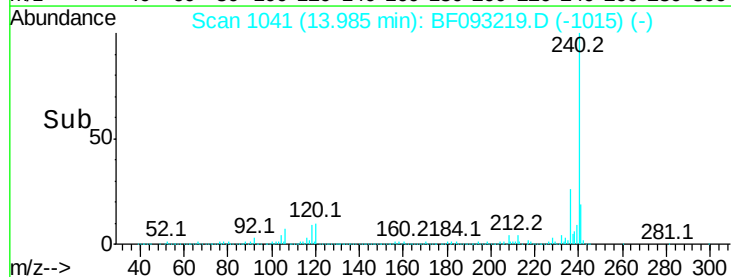
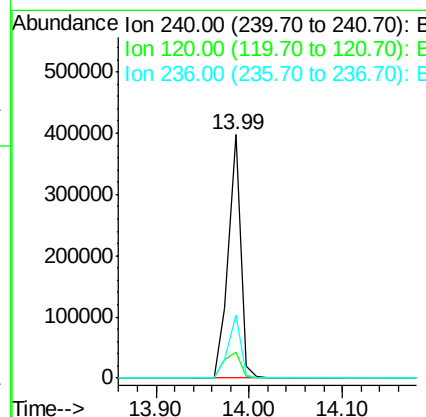
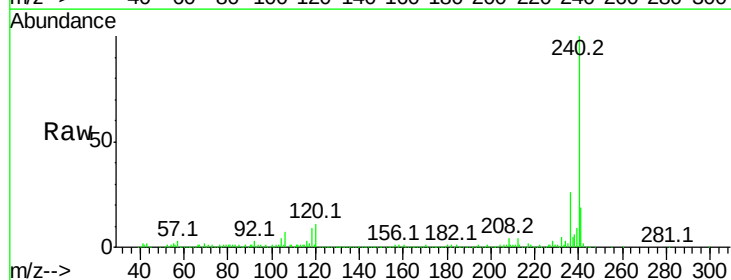
RT: 13.99 min Scan# 1041

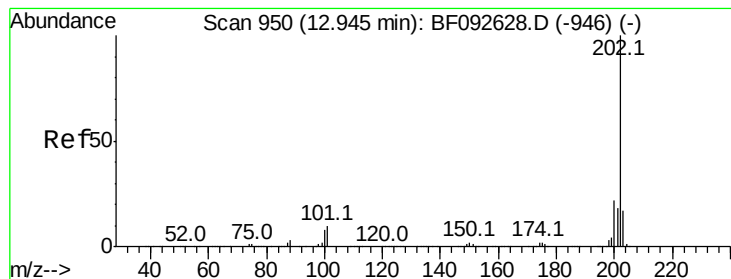
Delta R.T. 0.00 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.6	12.9	19.3#
236	25.8	20.9	31.3





#77

Pvrene

Concen: 5.65 ng

RT: 12.79 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

Instrument :

BNA_F

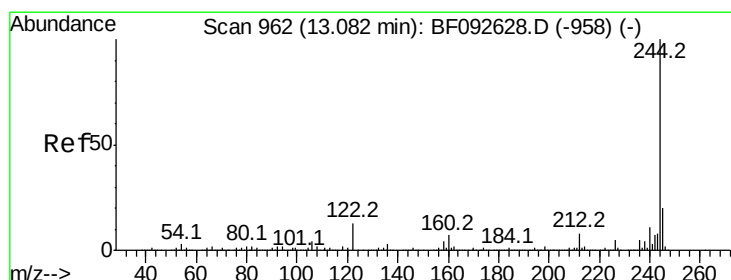
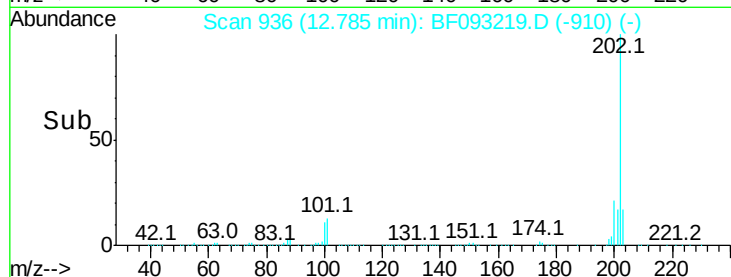
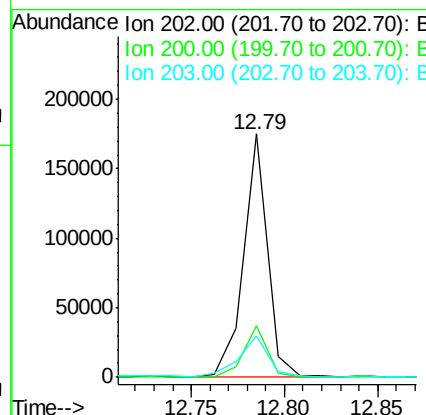
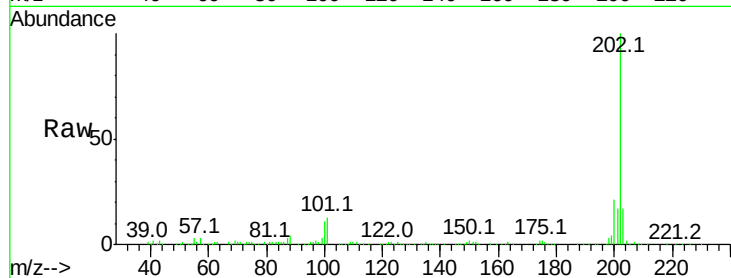
ClientSampleId :

CR-1

Tot Ion:	202	Resp:	156794
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.7	26.5
203	17.0	14.7	22.1

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#78

Terphenyl-d14

Concen: 69.48 ng

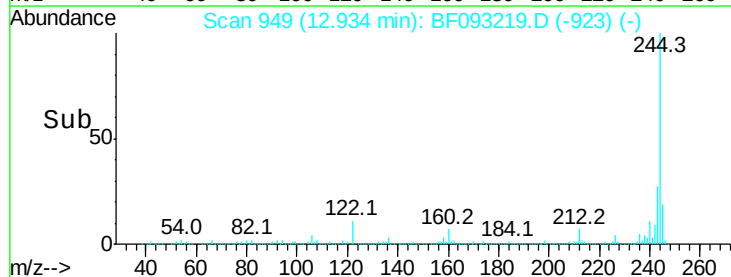
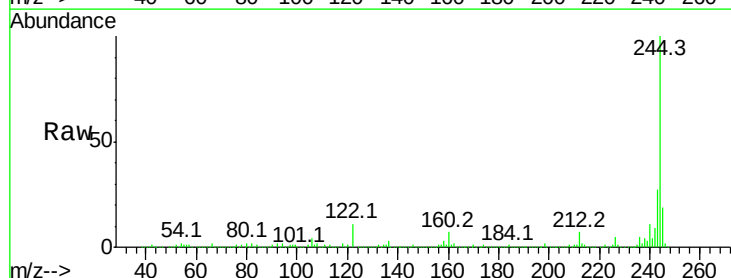
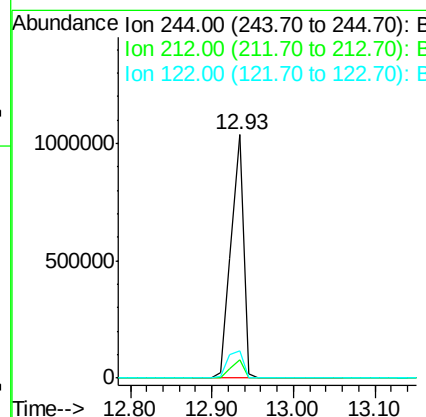
RT: 12.93 min Scan# 949

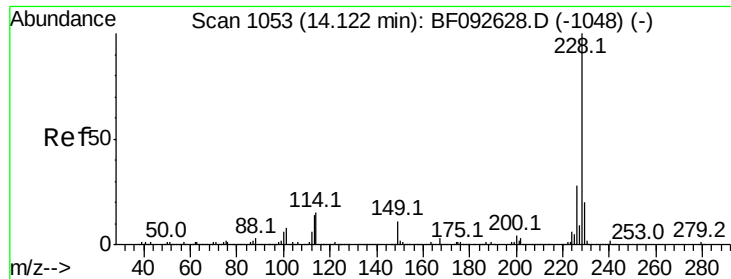
Delta R.T. 0.00 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

Tgt Ion:	244	Resp:	1096613
Ion Ratio		Lower	Upper
244	100		
212	7.3	6.2	9.2
122	11.3	11.4	17.2#





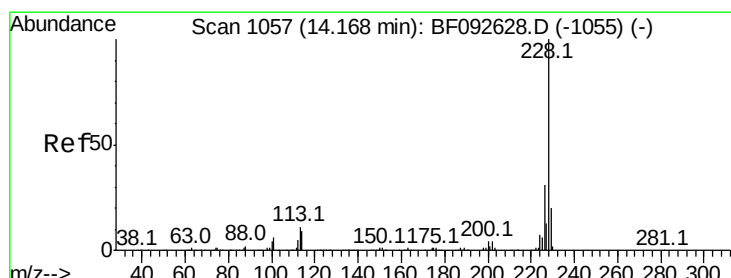
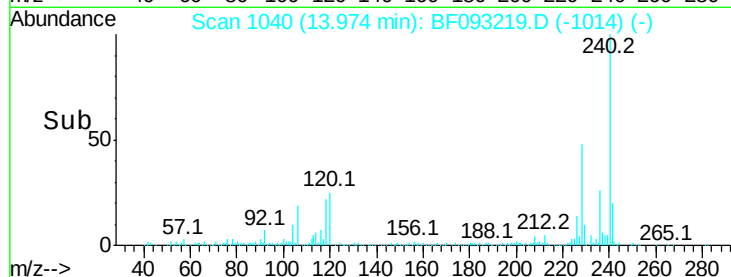
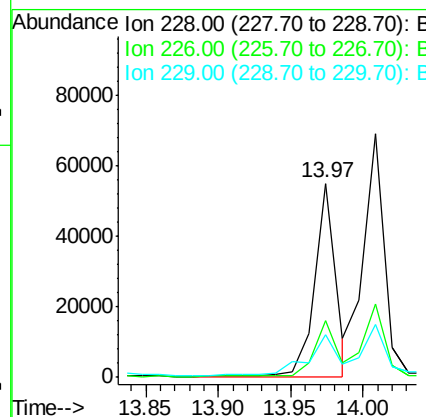
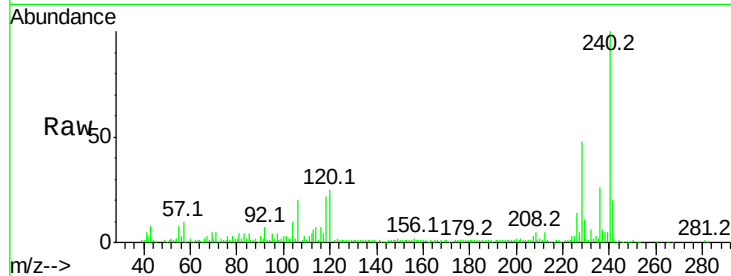
#80
Benzo(a)anthracene
Concen: 2.49 ng
RT: 13.97 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Instrument :
BNA_F
ClientSampleId :
CR-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.4	33.6
229	21.8	16.2	24.4

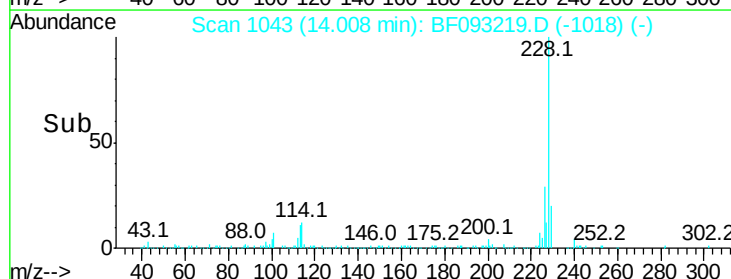
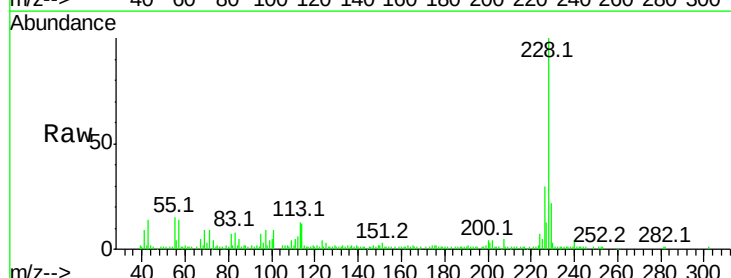
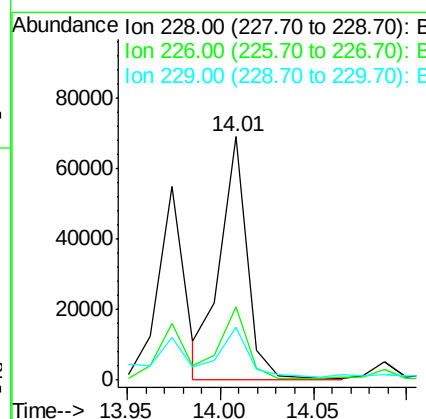
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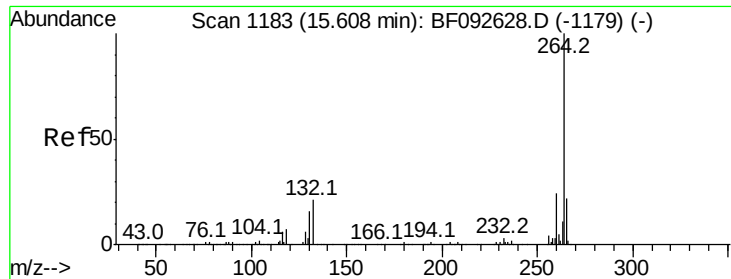
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#82
Chrysene
Concen: 3.27 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.0
229	21.8	16.2	24.2





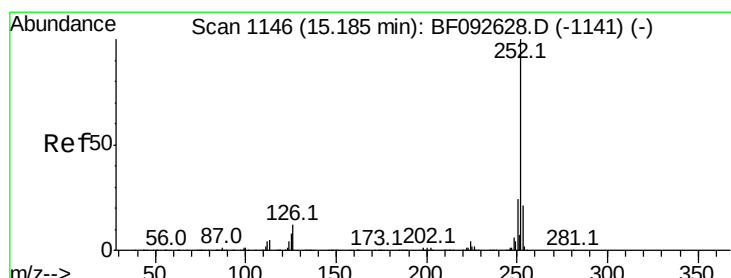
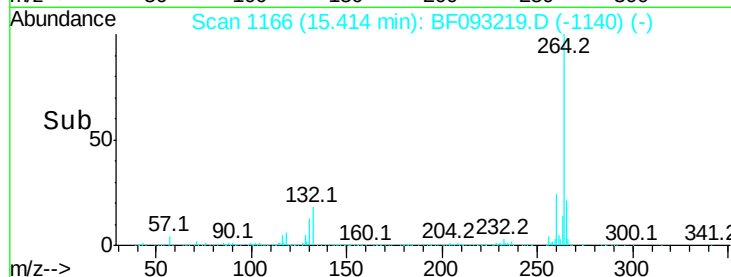
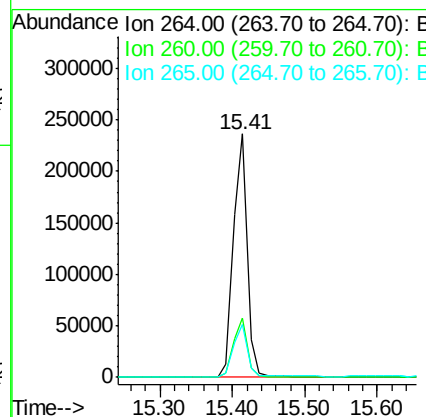
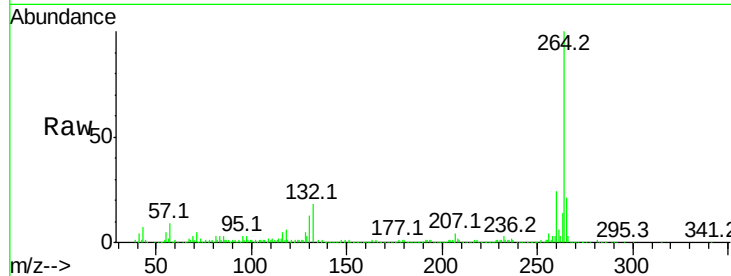
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Instrument :
BNA_F
ClientSampleId :
CR-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.5	17.4	26.0

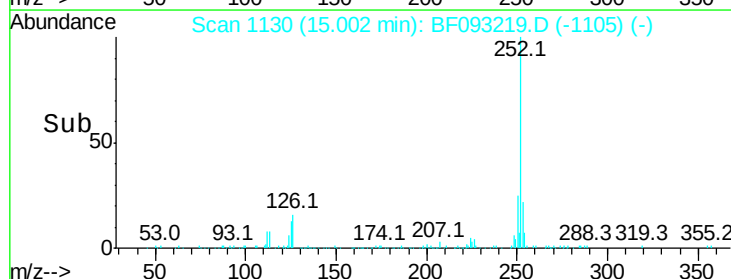
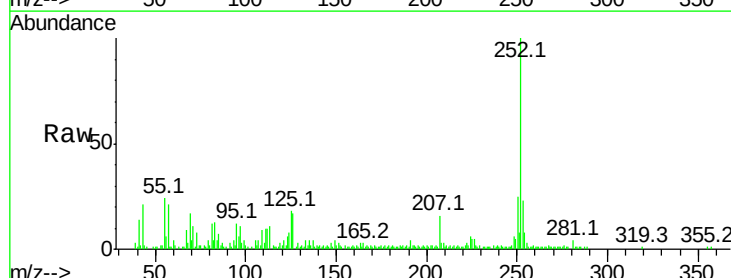
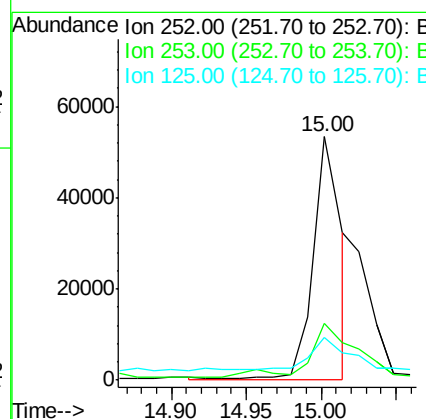
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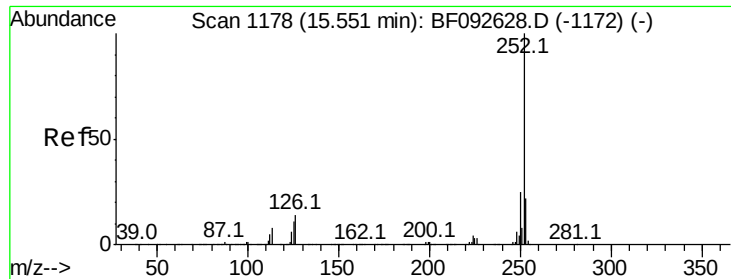
mohammad
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#87
Benzo(b)fluoranthene
Concen: 3.42 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	17.7	9.8	14.6





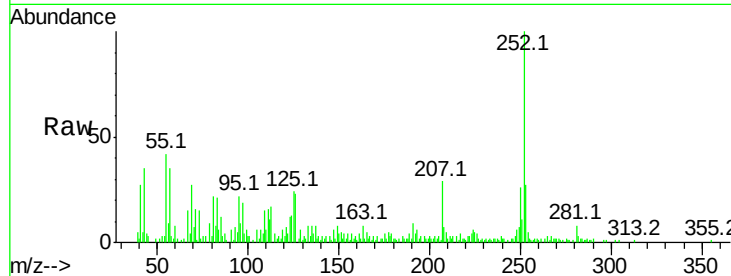
#89
Benzo(a)pyrene
Concen: 2.59 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Instrument :
BNA_F
ClientSampled :
CR-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.2	27.2#
125	23.7	10.0	15.0#

Manual Integrations
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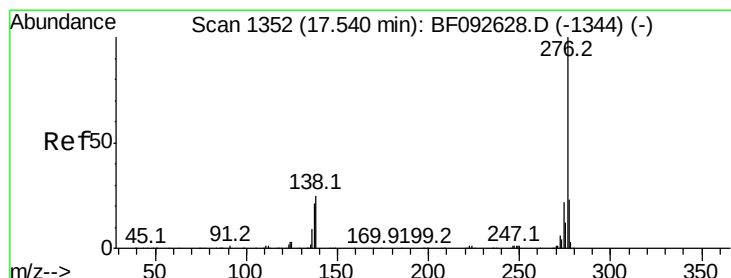
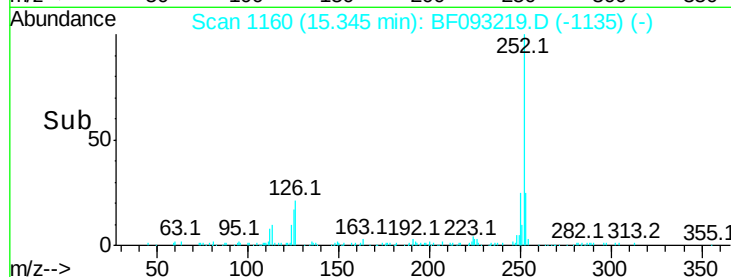
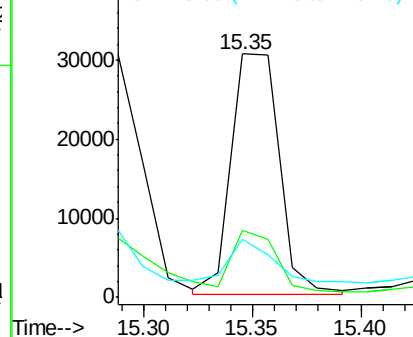


Abundance

Ion 252.00 (251.70 to 252.70): E

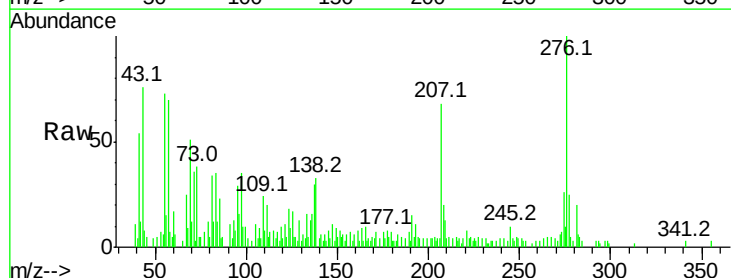
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.07 ng
RT: 17.23 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.2	28.8
138	33.2	16.0	24.0#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

