

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092527.D
 Acq On : 26 Jan 2017 15:55
 Operator : SJ/MA
 Sample : I1312-04 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-101-0-2

Manual Integrations
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 1/27/2017 5:33:16 PM

Quant Time: Jan 27 14:55:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	154454m	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	577777	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	267121	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	393181	20.00	ng	-0.01
75) Chrysene-d12	14.17	240	255112	20.00	ng	0.00
86) Perylene-d12	15.67	264	184698	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	561817	56.59	ng	0.01
7) Phenol-d6	6.59	99	680558	53.82	ng	0.00
23) Nitrobenzene-d5	7.54	82	392295	37.09	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	100047	54.96	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	620339	42.94	ng	-0.01
78) Terphenyl-d14	13.11	244	441595	46.09	ng	-0.01
Target Compounds						
10) Phenol	6.60	94	36970m	2.42	ng	Qvalue
37) 2-Methylnaphthalene	8.98	142	40229	2.15	ng	99
49) Dimethylphthalate	9.74	163	120592	7.10	ng	# 99
70) Phenanthrene	11.54	178	63215	2.92	ng	98
74) Fluoranthene	12.74	202	128294	6.06	ng	93
77) Pyrene	12.97	202	122794	6.64	ng	97
80) Benzo(a)anthracene	14.16	228	43328	3.16	ng	# 88
82) Chrysene	14.19	228	56407	3.85	ng	# 93
85) Indeno(1,2,3-cd)pyrene	17.16	276	26578	2.45	ng	95
87) Benzo(b)fluoranthene	15.22	252	68838m	5.81	ng	
91) Benzo(g,h,i)perylene	17.62	276	25551	3.11	ng	# 62

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

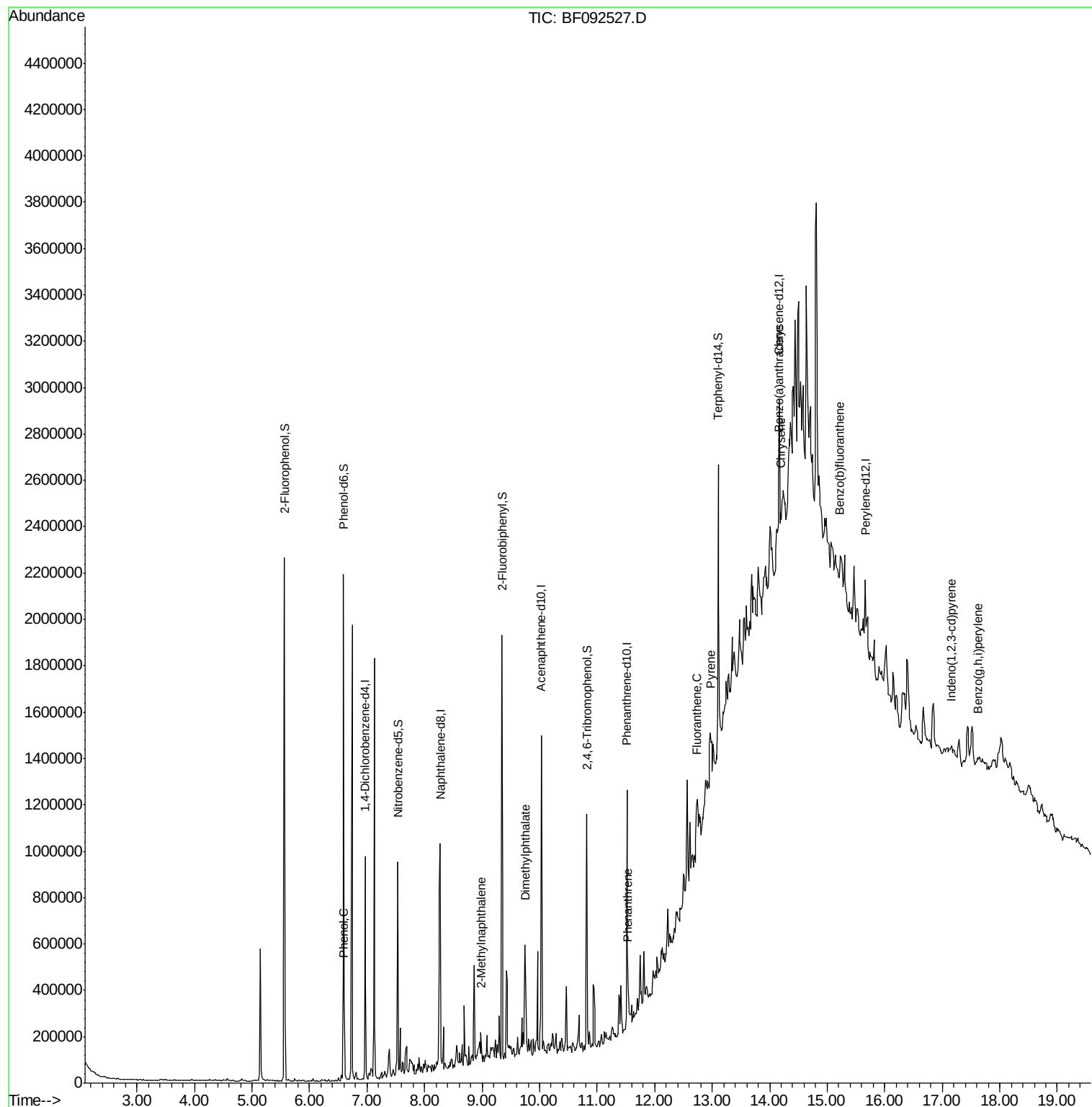
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092527.D
Acq On : 26 Jan 2017 15:55
Operator : SJ/MA
Sample : I1312-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

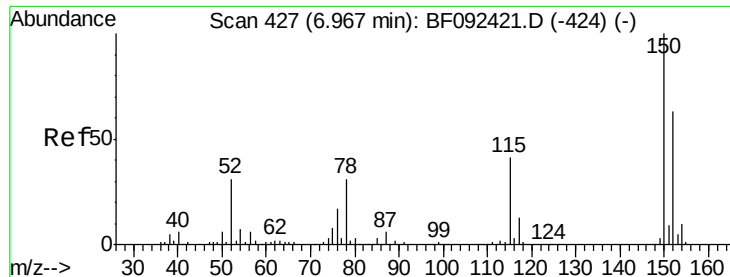
Instrument :
BNA_F
ClientSampleId :
CAS-SB-101-0-2

Manual Integrations
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Quant Time: Jan 27 14:55:23 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

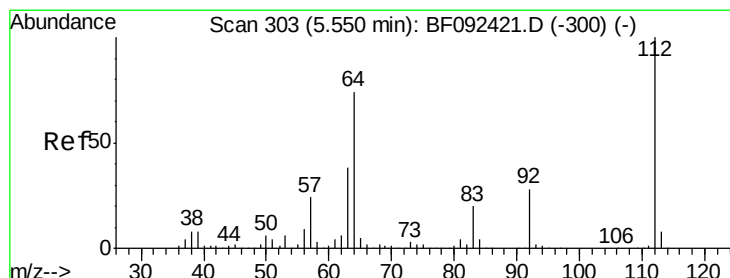
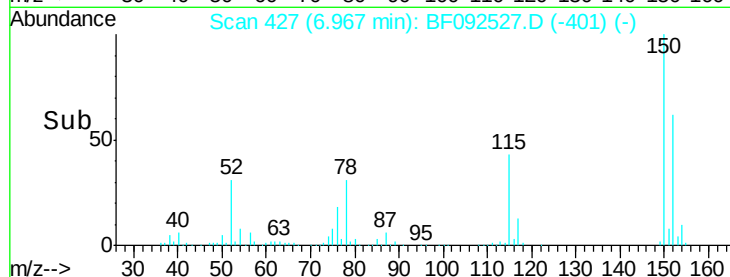
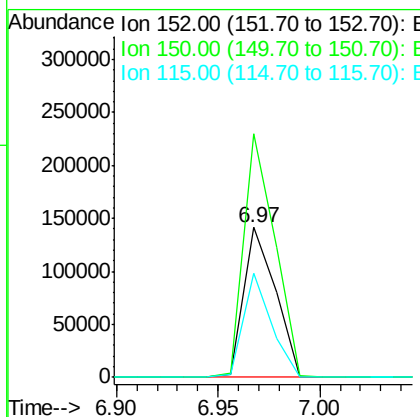
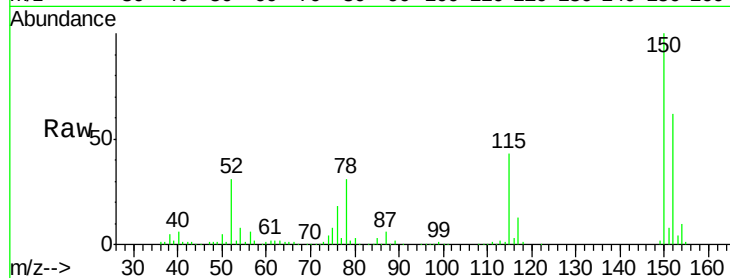
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Instrument :
BNA_F
ClientSampleId :
CAS-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.5	124.9	187.3
115	69.7	46.0	69.0

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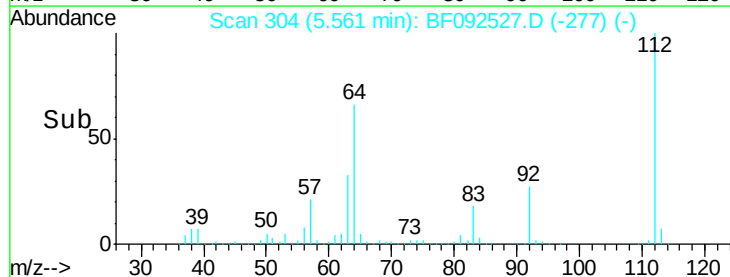
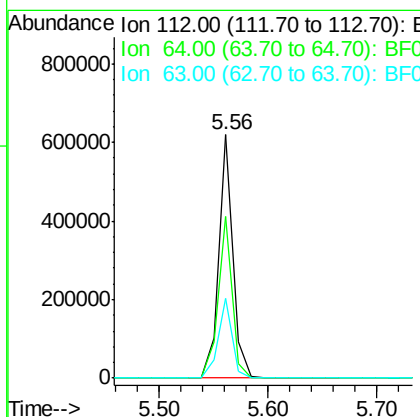
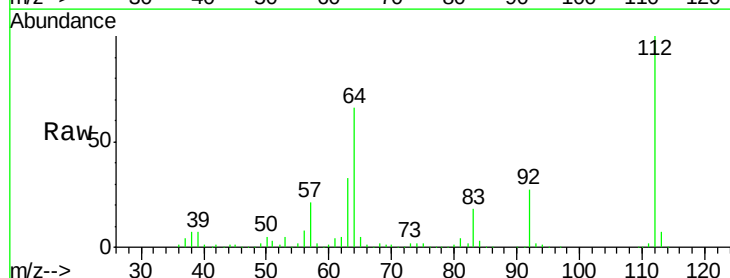
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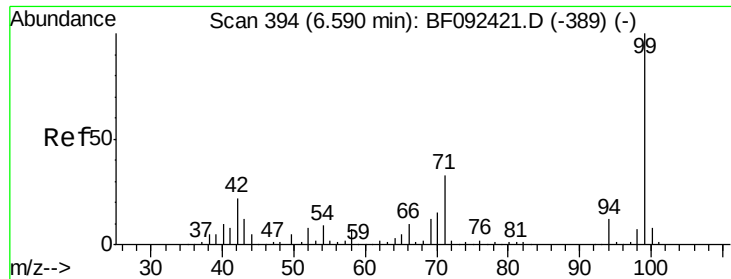


#5

2-Fluorophenol
Concen: 56.59 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	46.1	69.1
63	33.0	23.8	35.6





#7

Phenol-d6

Concen: 53.82 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Instrument :

BNA_F

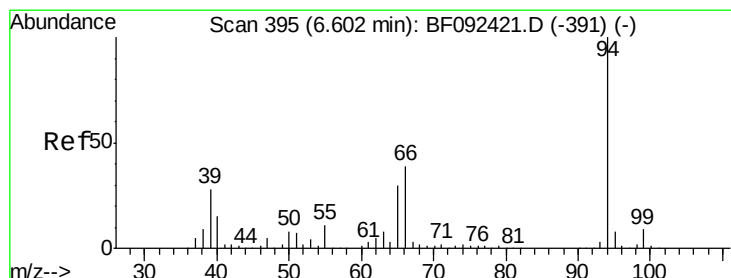
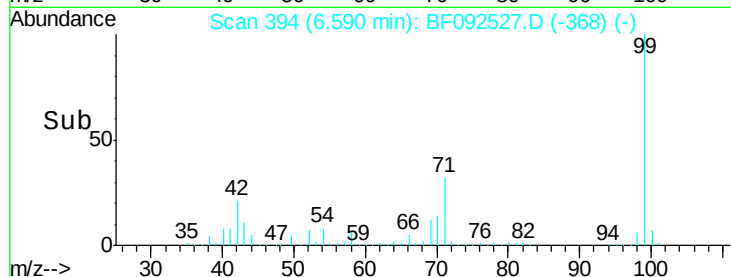
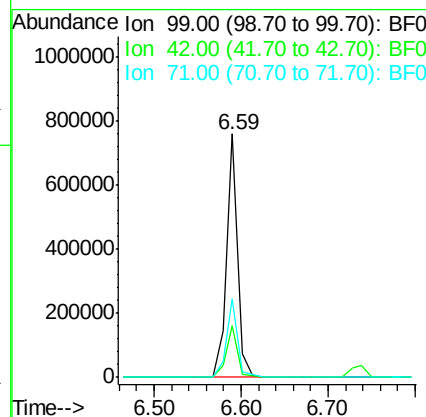
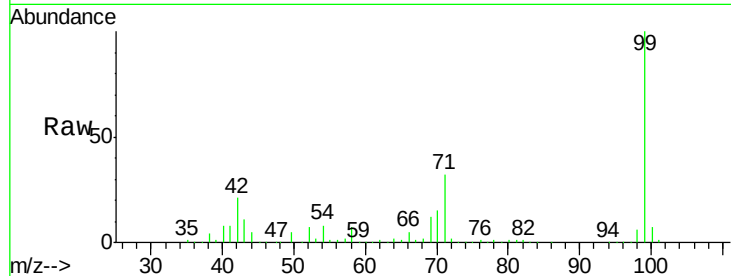
ClientSampleId :

CAS-SB-101-0-2

Tot Ion:	99	Resp:	680558
Ion	Ratio	Lower	Upper
99	100		
42	21.2	15.6	23.4
71	32.4	27.5	41.3

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#10

Phenol

Concen: 2.42 ng m

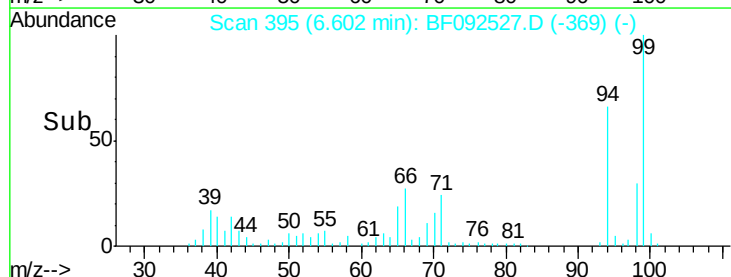
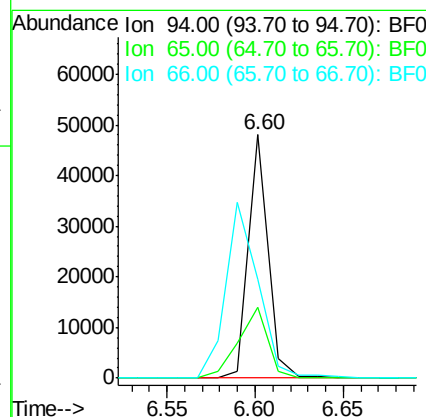
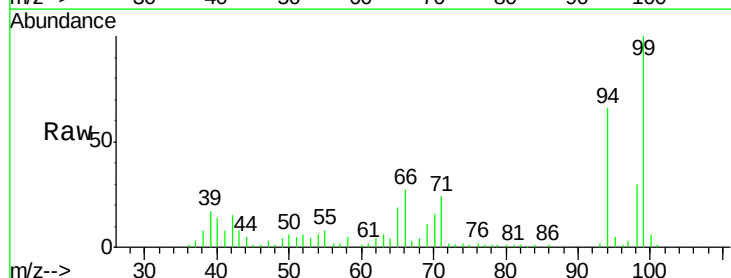
RT: 6.60 min Scan# 395

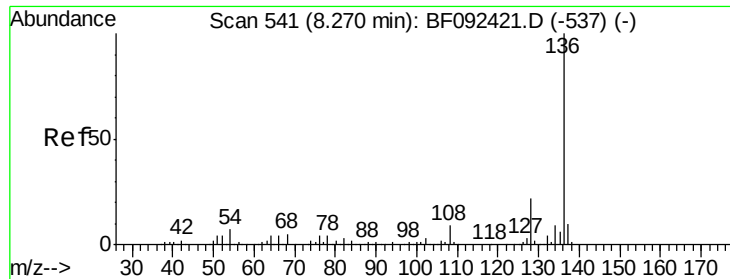
Delta R.T. 0.00 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Tgt Ion:	94	Resp:	36970
Ion	Ratio	Lower	Upper
94	100		
65	29.2	21.4	61.4
66	40.5	44.0	84.0#





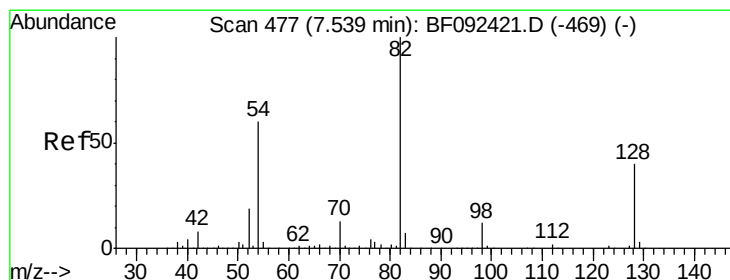
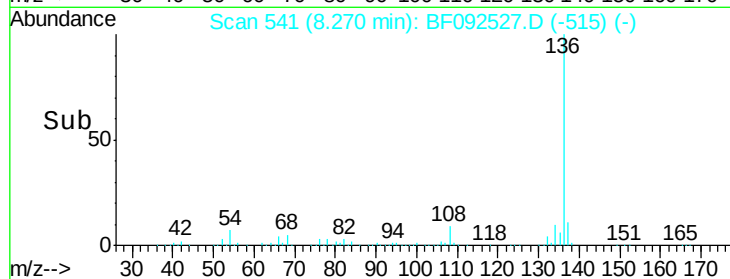
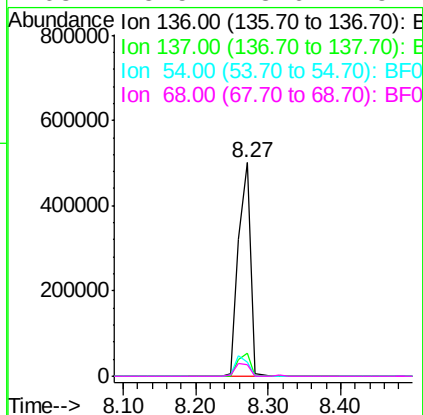
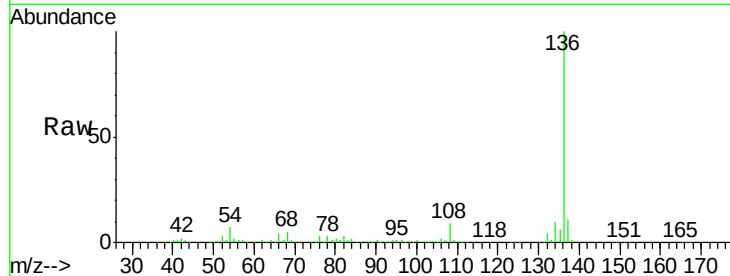
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Instrument :
BNA_F
ClientSampleId :
CAS-SB-101-0-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100	577777		
137	10.8		8.4	12.6
54	6.9		4.5	6.7#
68	5.5		3.6	5.4#

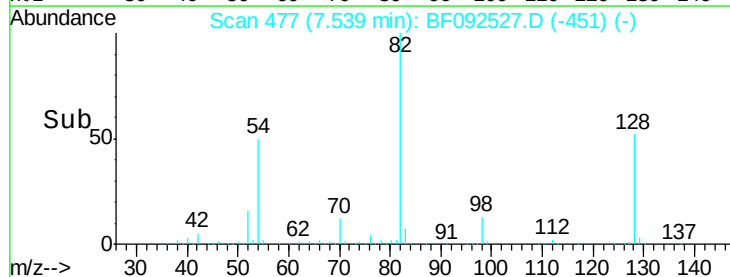
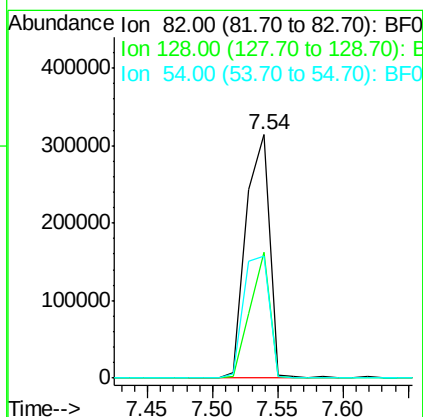
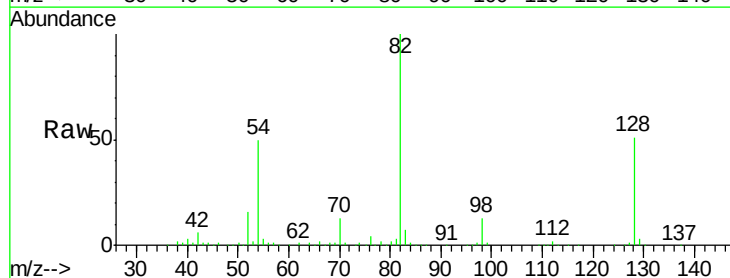
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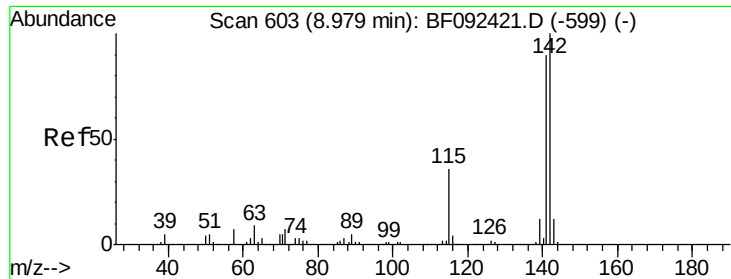
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#23
Nitrobenzene-d5
Concen: 37.09 ng
RT: 7.54 min Scan# 477
Delta R.T. -0.00 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	392295		
128	51.5		34.6	52.0
54	49.9		39.5	59.3





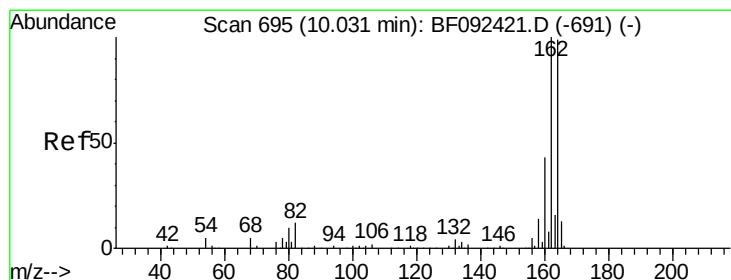
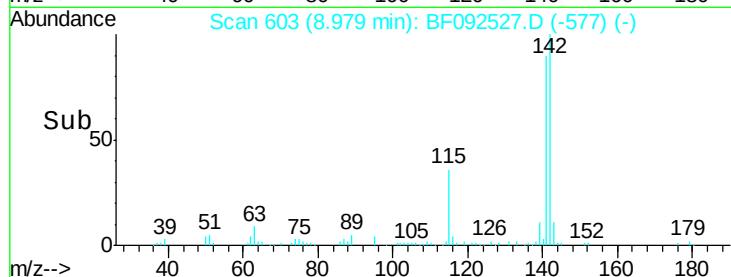
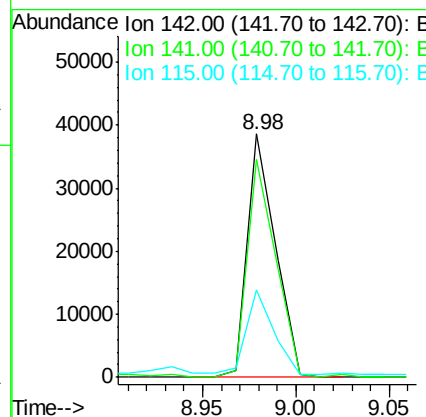
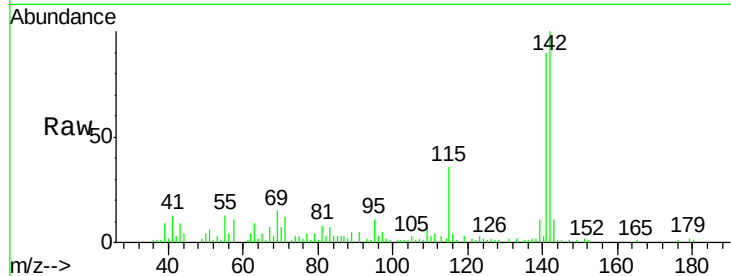
#37
2-Methylnaphthalene
Concen: 2.15 ng
RT: 8.98 min Scan# 603
Delta R.T. -0.00 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Instrument :
BNA_F
ClientSampleId :
CAS-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.0	106.6
115	35.7	28.3	42.5

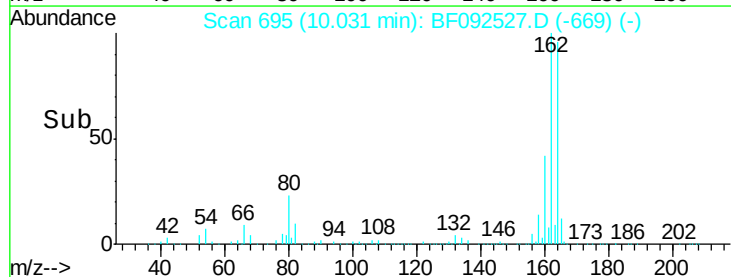
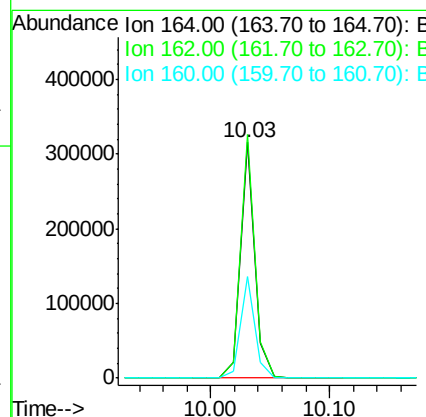
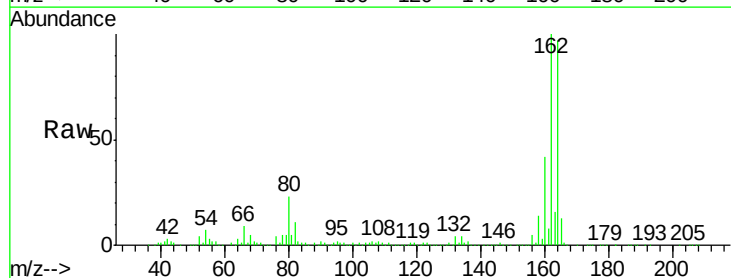
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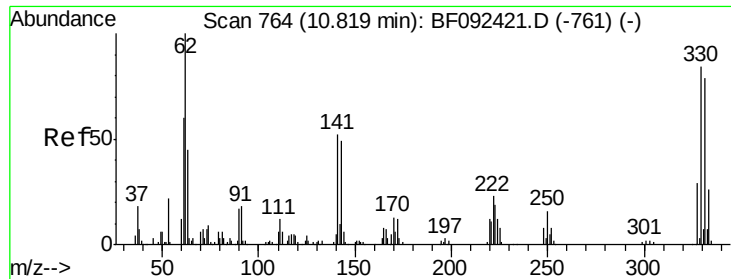
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	80.2	120.2
160	43.2	36.9	55.3





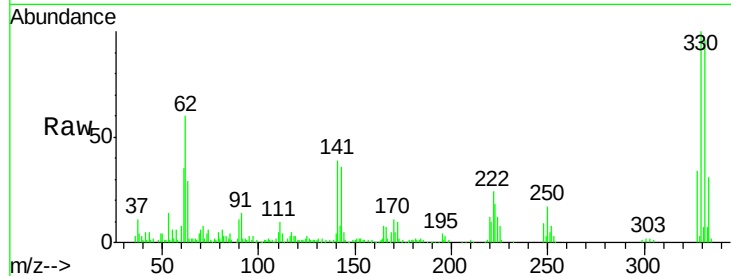
#41
 2,4,6-Tribromophenol
 Concen: 54.96 ng
 RT: 10.82 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BF092527.D
 Acq: 26 Jan 2017 15:55

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.2
141	43.3	34.1	51.1

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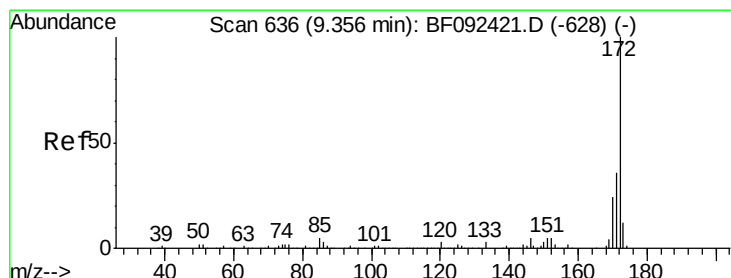
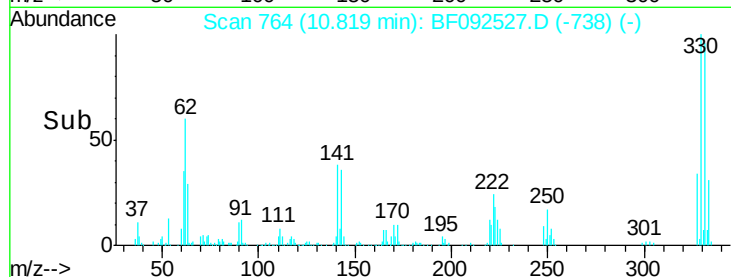
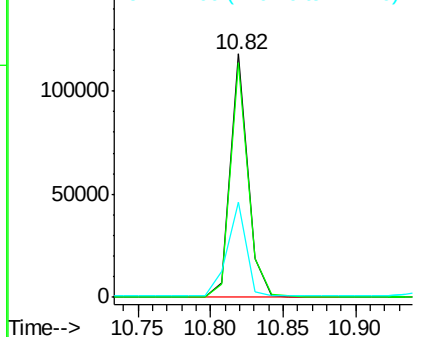


Abundance

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: 42.94 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092527.D
 Acq: 26 Jan 2017 15:55

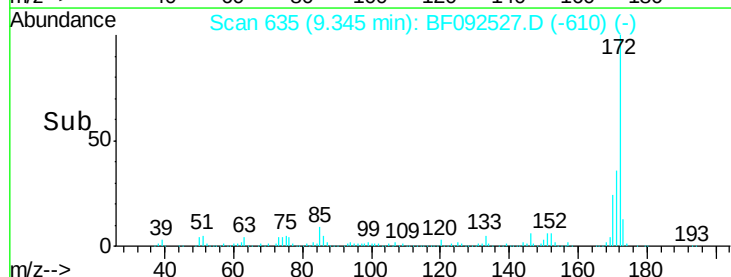
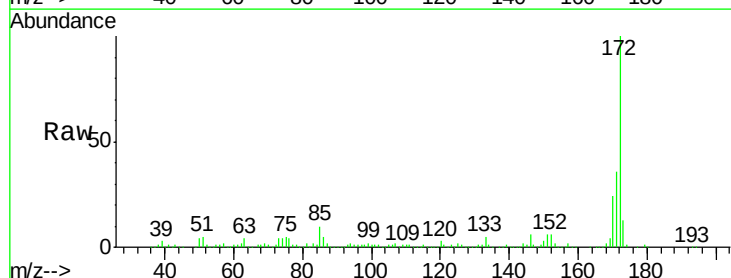
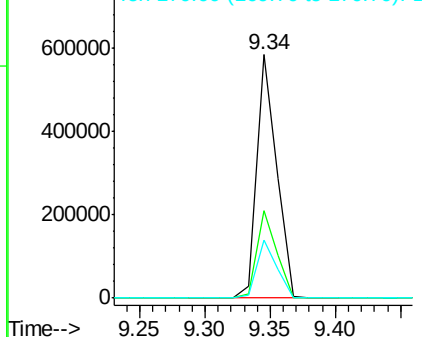
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	23.9	20.2	30.4

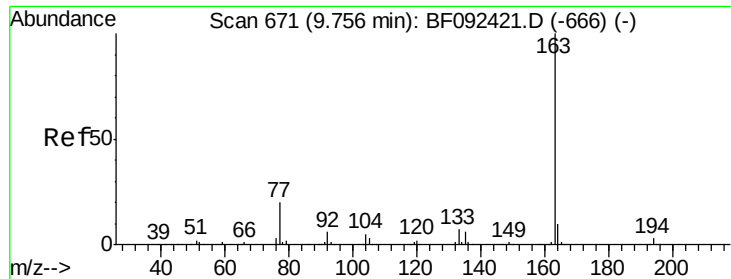
Abundance

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





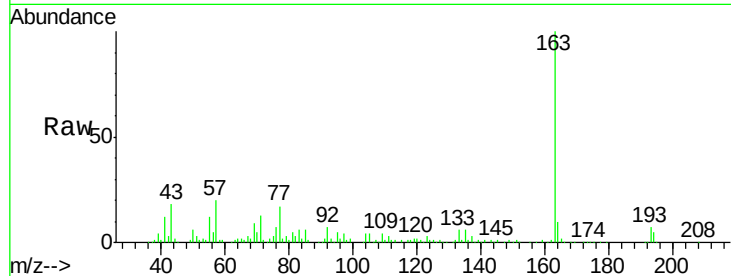
#49
Dimethylphthalate
Concen: 7.10 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Instrument :
BNA_F
ClientSampleId :
CAS-SB-101-0-2

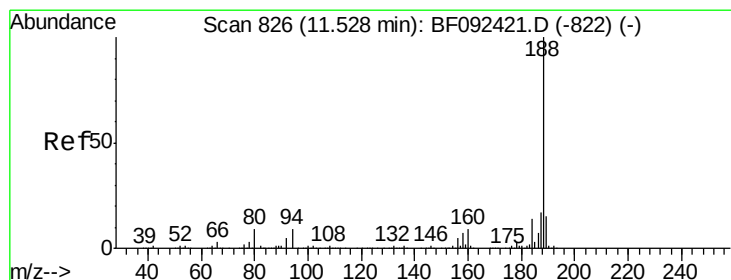
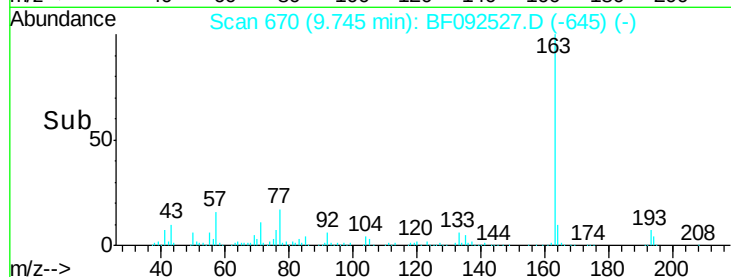
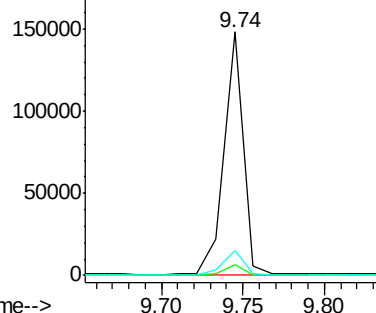
Tot Ion	Ratio	Resp	Lower	Upper
163	100	120592		
194	4.6		3.0	4.4#
164	10.2		8.0	12.0

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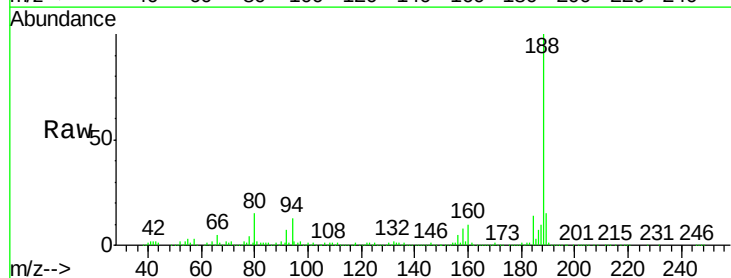


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

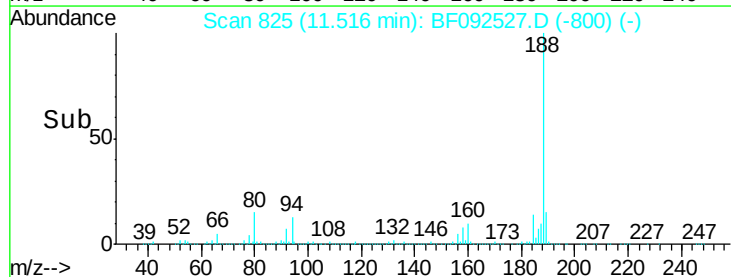
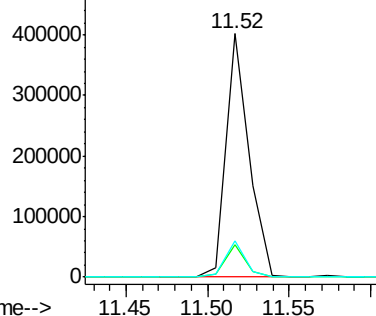


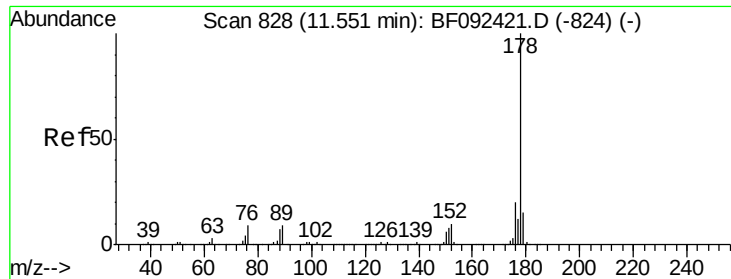
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	393181		
94	13.5		10.0	15.0
80	14.9		11.2	16.8



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





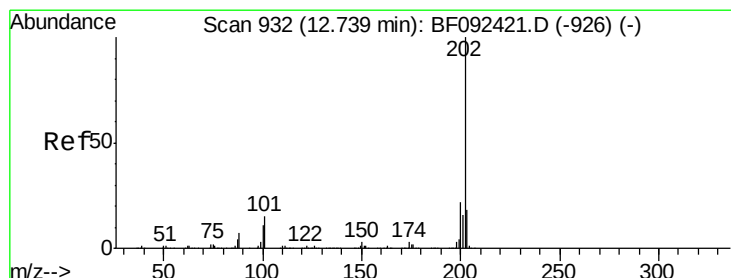
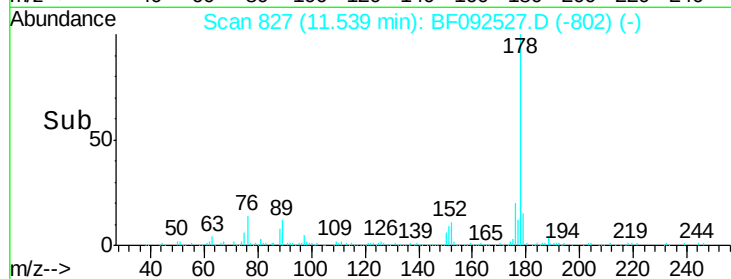
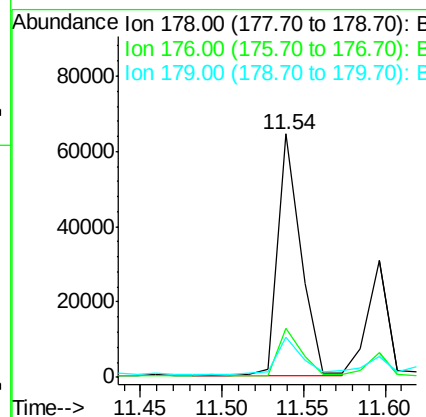
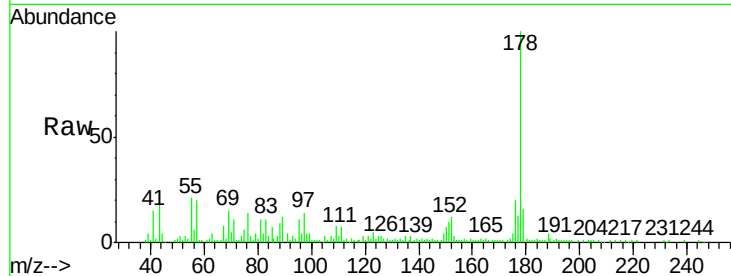
#70
Phenanthrene
Concen: 2.92 ng
RT: 11.54 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Instrument :
BNA_F
ClientSampleId :
CAS-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.6	25.0
179	16.5	12.8	19.2

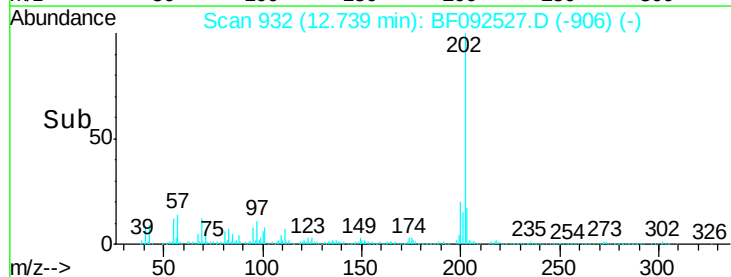
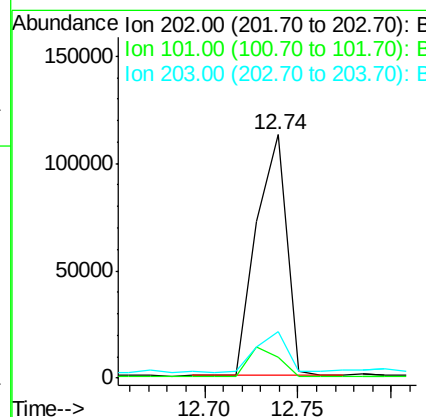
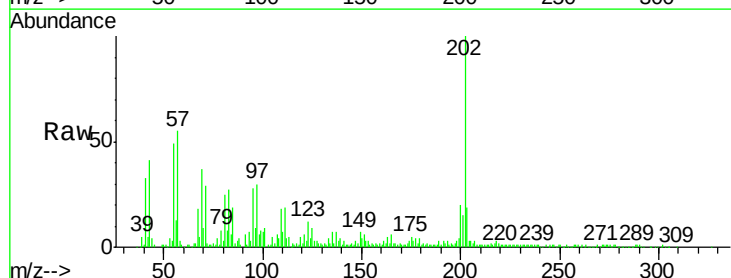
Manual Integrations
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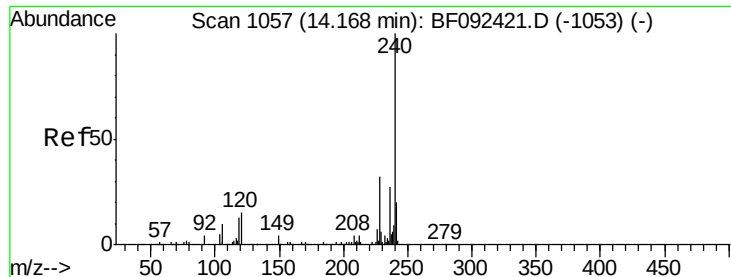
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#74
Fluoranthene
Concen: 6.06 ng
RT: 12.74 min Scan# 932
Delta R.T. 0.00 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	34.6
203	19.0	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.17 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Instrument :

BNA_F

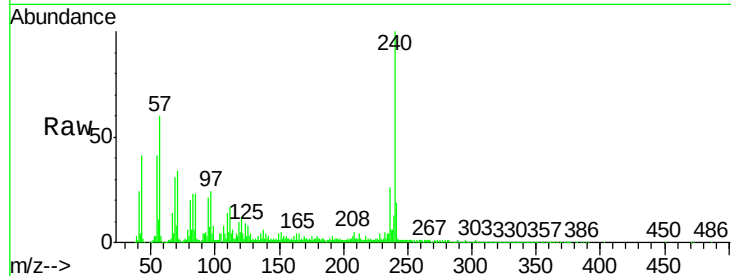
ClientSampleId :

CAS-SB-101-0-2

Tot Ion:	240	Resp:	255112
Ion Ratio	Lower	Upper	
240	100		
120	12.2	12.9	19.3#
236	26.5	20.9	31.3

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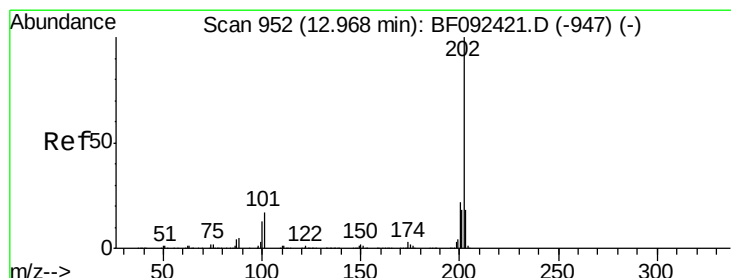
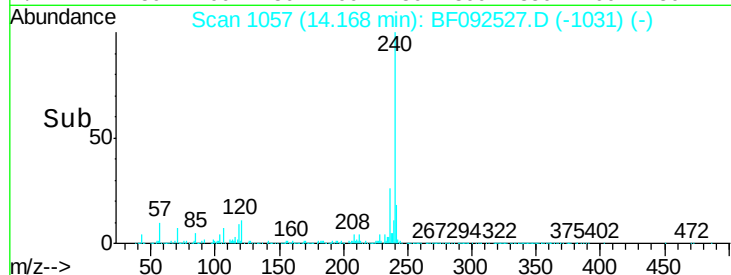
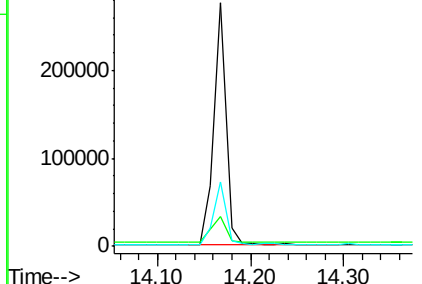
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.64 ng

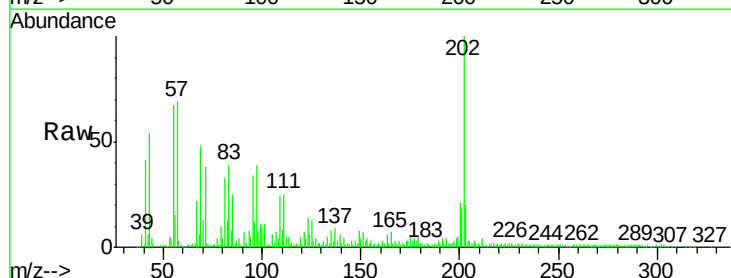
RT: 12.97 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

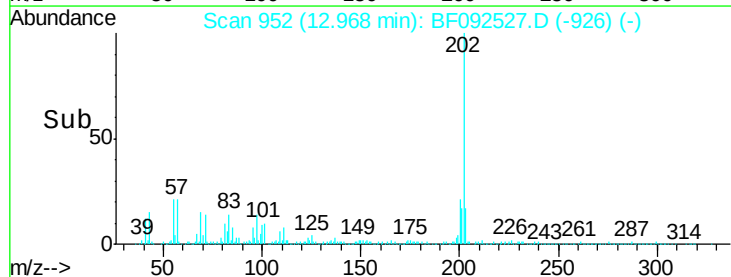
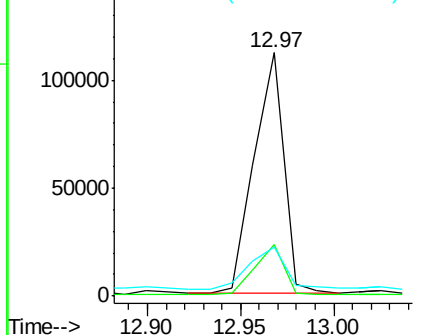
Tgt Ion:	202	Resp:	122794
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.7	26.5
203	19.9	14.7	22.1

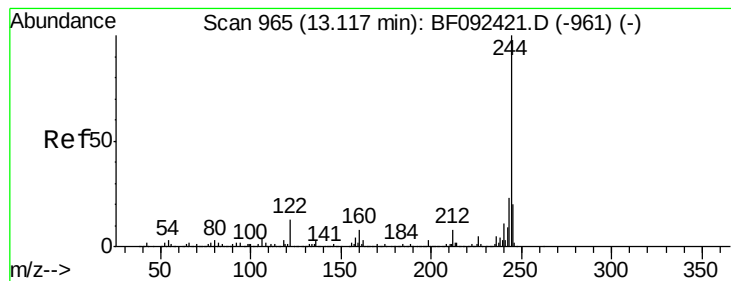


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 46.09 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Instrument :

BNA_F

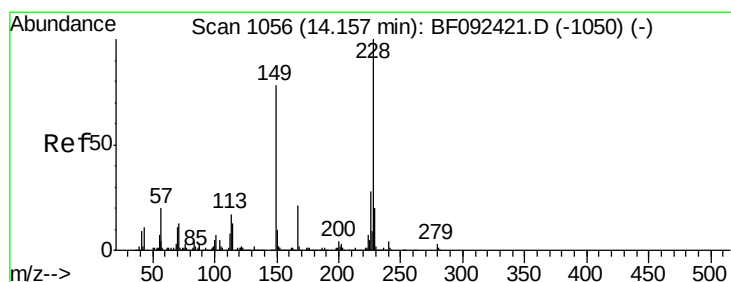
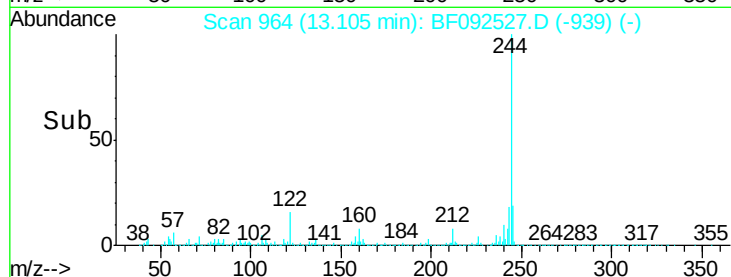
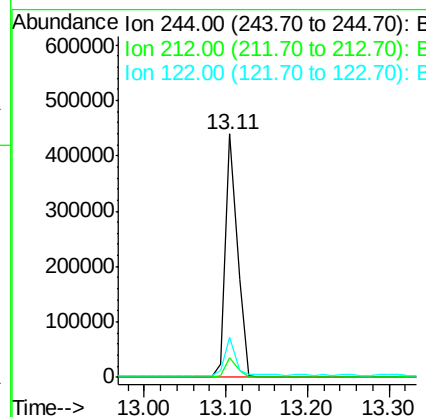
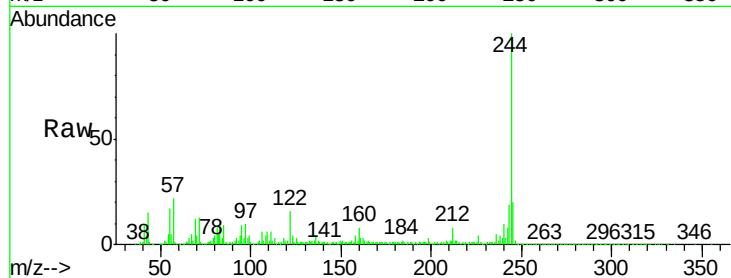
ClientSampleId :

CAS-SB-101-0-2

Tot Ion:	244	Resp:	441595
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.2	9.2
122	16.3	11.4	17.2

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#80

Benzo(a)anthracene

Concen: 3.16 ng

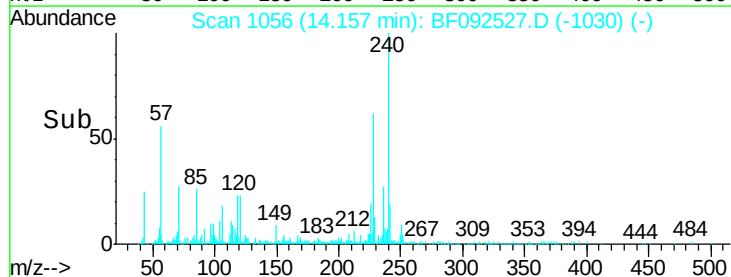
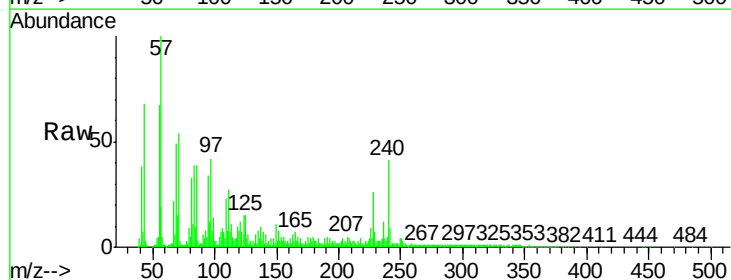
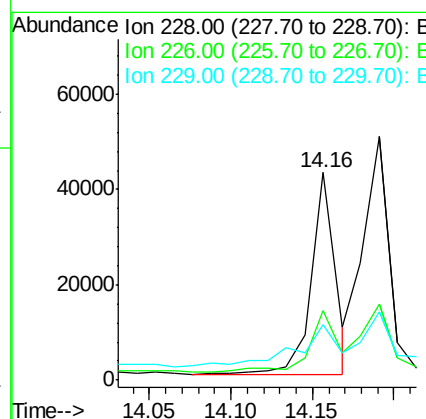
RT: 14.16 min Scan# 1056

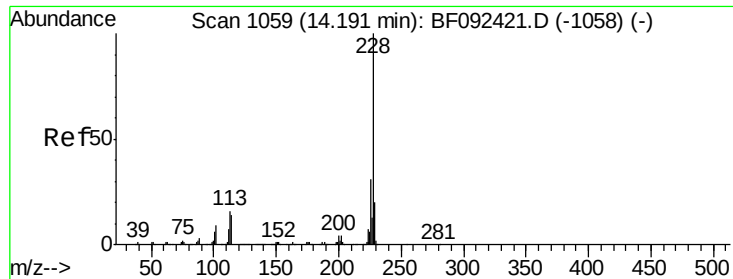
Delta R.T. 0.00 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Tgt Ion:	228	Resp:	43328
Ion Ratio	Lower	Upper	
228	100		
226	33.3	22.4	33.6
229	26.9	16.2	24.4#





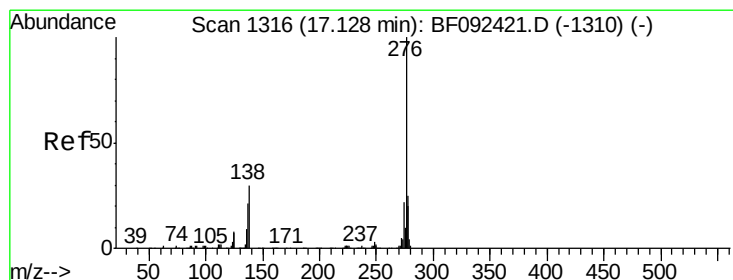
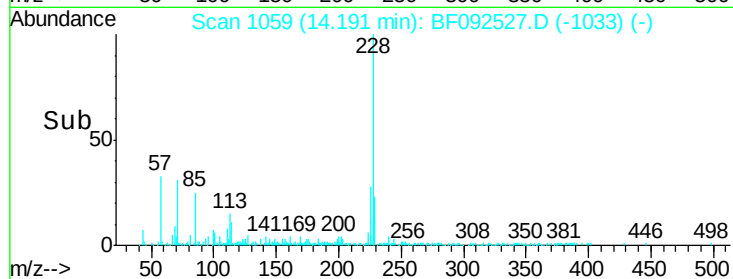
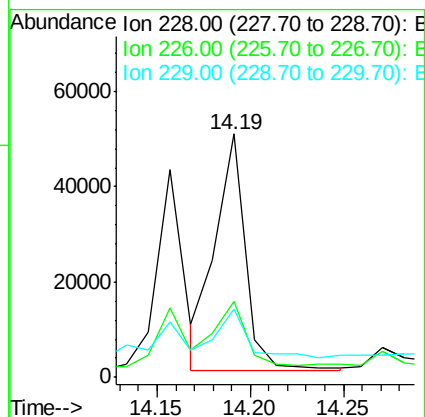
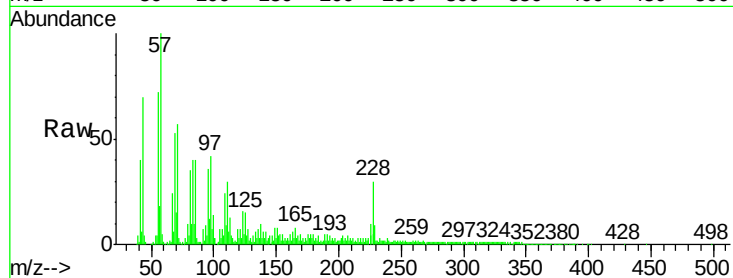
#82
Chrysene
Concen: 3.85 ng
RT: 14.19 min Scan# 1059
Delta R.T. -0.00 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Instrument :
BNA_F
ClientSampled :
CAS-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.4	38.0
229	28.2	16.2	24.2

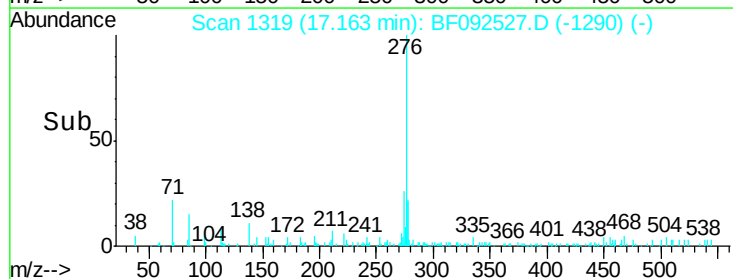
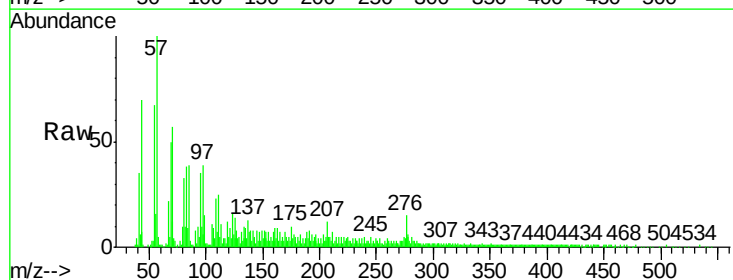
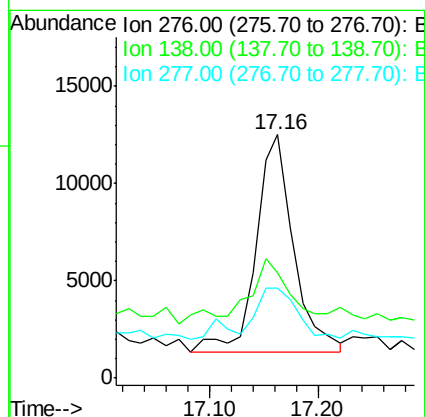
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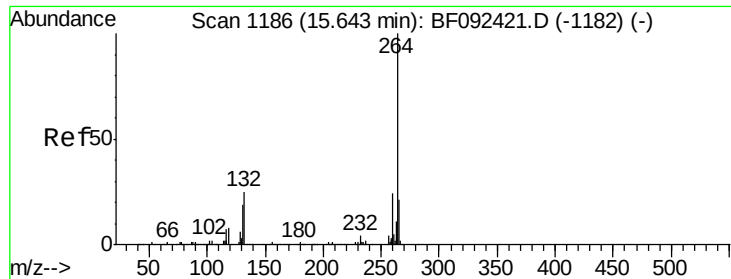
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.45 ng
RT: 17.16 min Scan# 1319
Delta R.T. 0.03 min
Lab File: BF092527.D
Acq: 26 Jan 2017 15:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.7	21.8	32.6
277	23.4	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.67 min Scan# 1188

Delta R.T. 0.02 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Instrument :

BNA_F

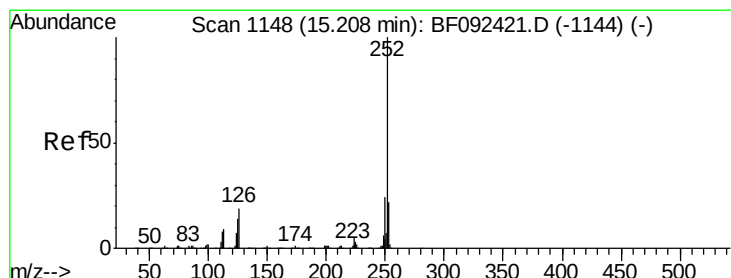
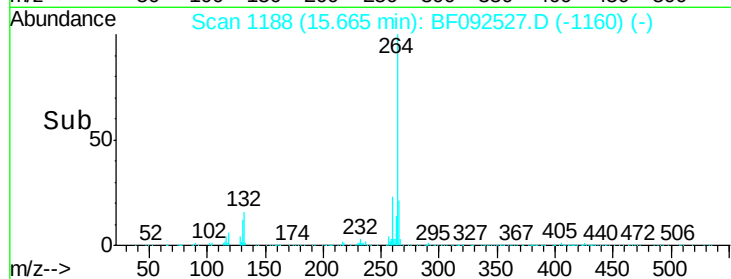
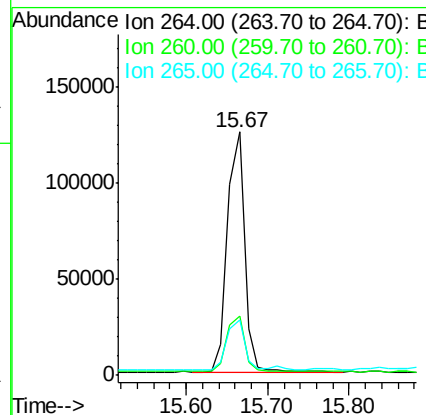
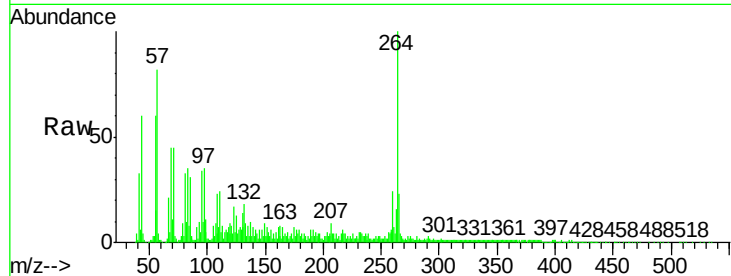
ClientSampleId :

CAS-SB-101-0-2

Tot Ion:	264	Resp:	184698
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.2	28.8
265	22.9	17.4	26.0

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 5.81 ng m

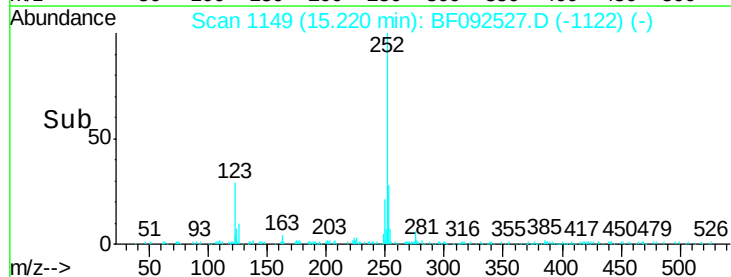
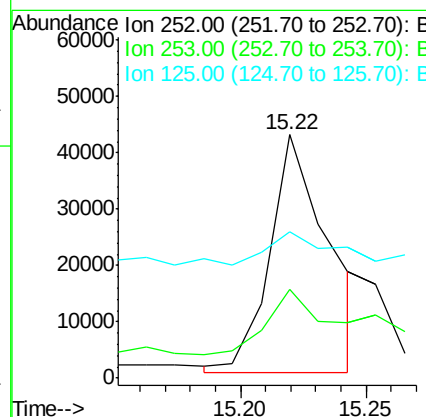
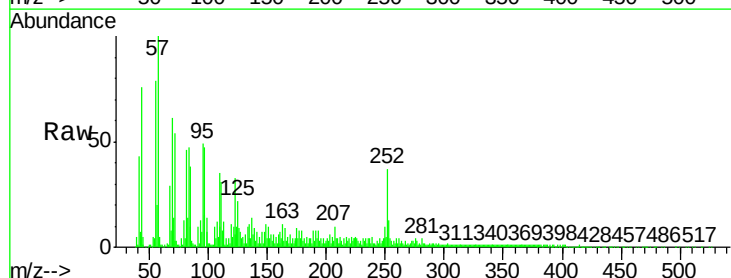
RT: 15.22 min Scan# 1149

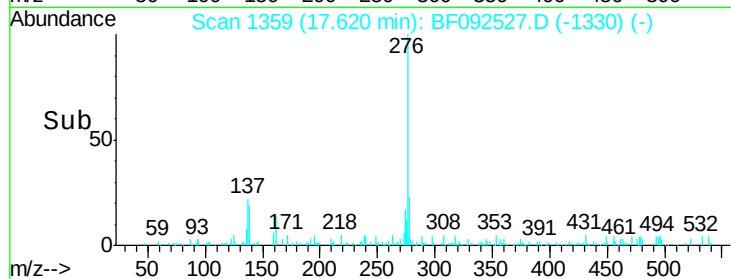
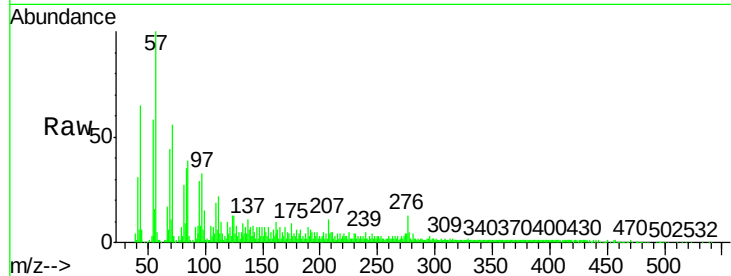
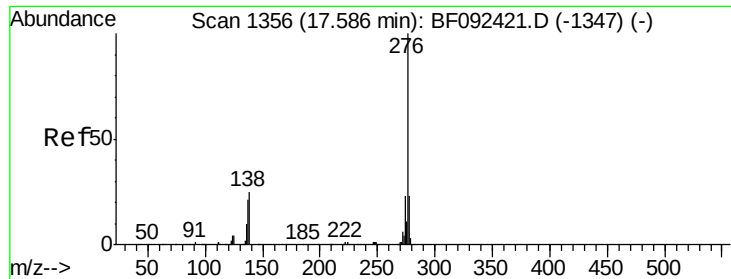
Delta R.T. 0.01 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Tgt Ion:	252	Resp:	68838
Ion Ratio	Lower	Upper	
252	100		
253	36.2	18.2	27.4#
125	60.2	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.11 ng

RT: 17.62 min Scan# 1359

Delta R.T. 0.03 min

Lab File: BF092527.D

Acq: 26 Jan 2017 15:55

Instrument :

BNA_F

ClientSampleId :

CAS-SB-101-0-2

Tot Ion:	276	Resp:	25551
Ion Ratio	Lower	Upper	
276	100		
277	38.1	19.2	28.8#
138	43.0	16.0	24.0#

Manual Integrations
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