

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013017\
 Data File : BF092661.D
 Acq On : 31 Jan 2017 3:55
 Operator : SJ/MA
 Sample : I1531-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S3C3

Manual Integrations
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 1/31/2017 4:46:10 PM

Quant Time: Jan 31 07:00:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	152283	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	567124	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	256492	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	379456	20.00	ng	0.01
75) Chrysene-d12	14.15	240	300940	20.00	ng	0.00
86) Perylene-d12	15.62	264	241194	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	778936	87.76	ng	0.00
7) Phenol-d6	6.60	99	889032	77.84	ng	0.00
23) Nitrobenzene-d5	7.53	82	564733	55.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	143874	77.56	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	964677	68.14	ng	0.00
78) Terphenyl-d14	13.08	244	662150	51.70	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.61	94	46674	3.49	ng	80
31) Naphthalene	8.27	128	79264	2.76	ng	# 88
37) 2-Methylnaphthalene	8.97	142	62864	3.41	ng	96
49) Dimethylphthalate	9.72	163	124018	7.18	ng	# 92
51) Acenaphthene	10.04	154	53985	3.60	ng	93
54) Dibenzofuran	10.21	168	48580	2.42	ng	# 74
57) Fluorene	10.56	166	63615	4.12	ng	# 93
70) Phenanthrene	11.53	178	263794	12.13	ng	98
71) Anthracene	11.57	178	171128	7.84	ng	99
74) Fluoranthene	12.72	202	467422	20.84	ng	94
77) Pyrene	12.95	202	495780	22.01	ng	99
80) Benzo(a)anthracene	14.13	228	203790	11.07	ng	# 88
82) Chrysene	14.17	228	180882m	10.50	ng	
83) Bis(2-ethylhexyl)phthalate	14.11	149	139081	11.12	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.11	276	107757	8.07	ng	97
87) Benzo(b)fluoranthene	15.19	252	296372m	18.67	ng	
88) Benzo(k)fluoranthene	15.21	252	55476m	4.05	ng	
89) Benzo(a)pyrene	15.56	252	164181	11.96	ng	# 90
90) Dibenzo(a,h)anthracene	17.12	278	28828	2.60	ng	# 57
91) Benzo(a,h,i)perylene	17.56	276	113204	10.10	ng	# 89

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

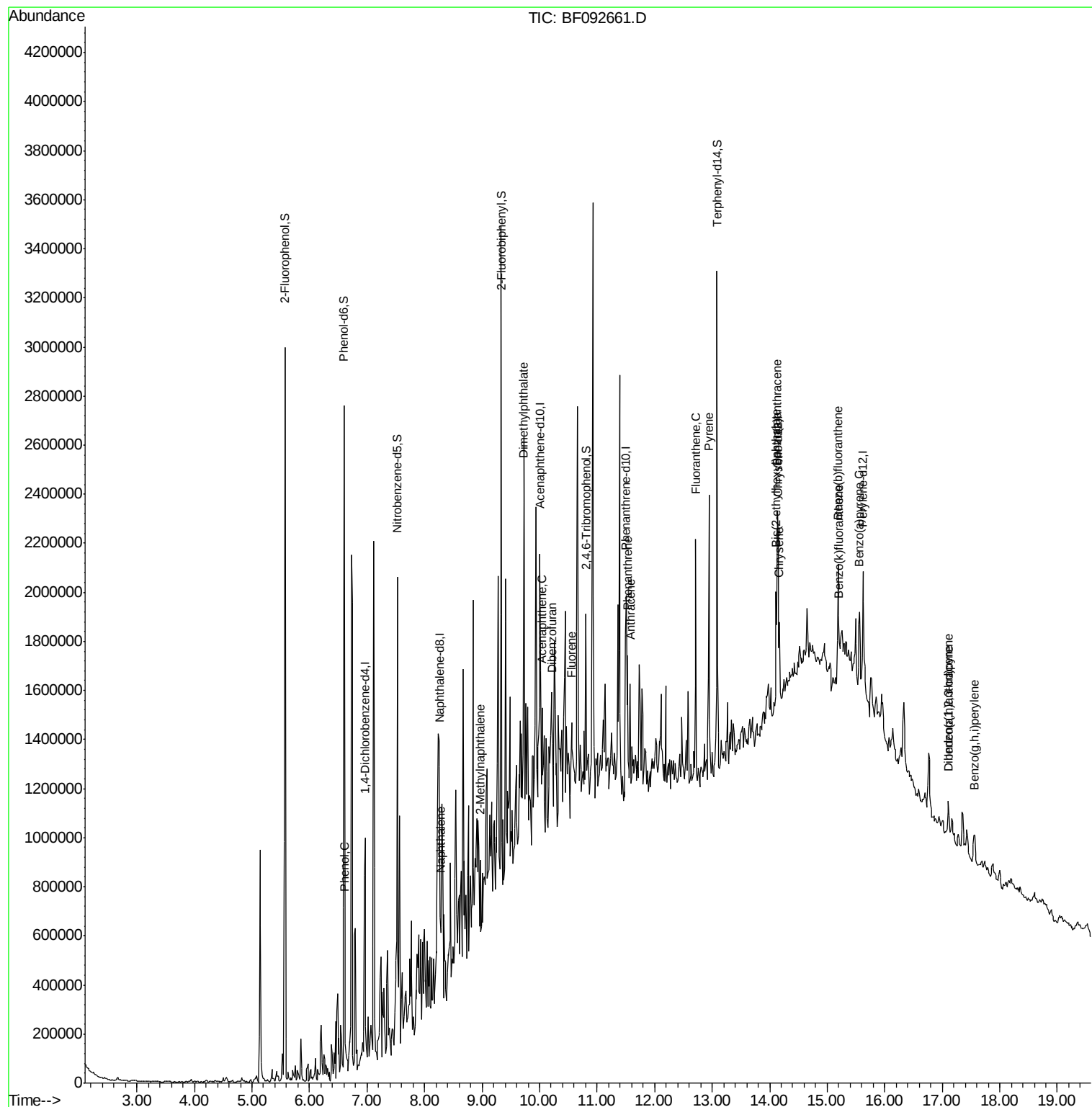
Data Path : Z:\HPCHEM1\BNA F\DATA\BF013017\
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ALS Vial : 22 Sample Multiplier: 1

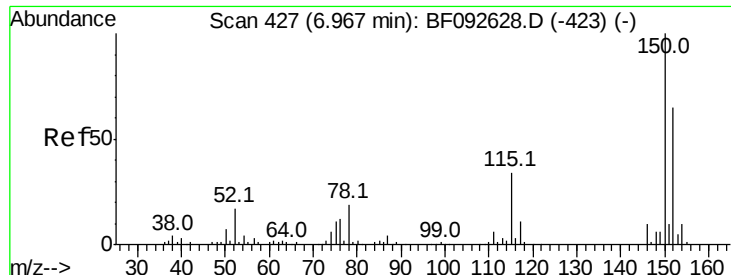
Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S3C3

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Quant Time: Jan 31 07:00:59 2017
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#1

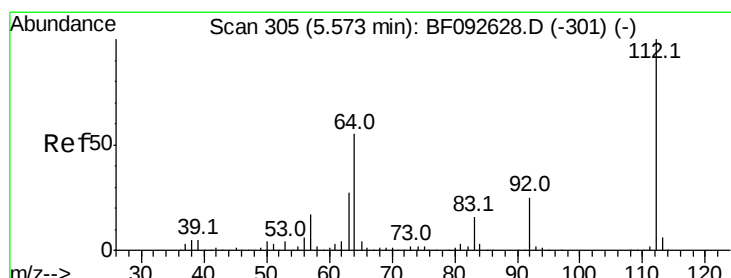
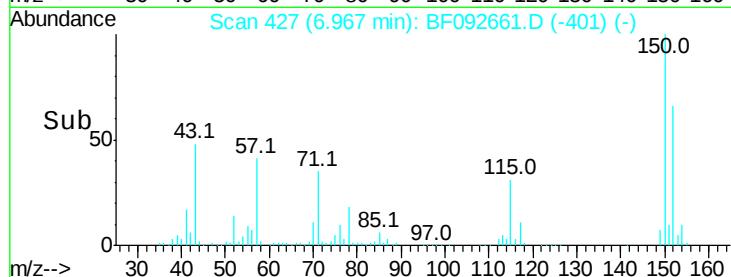
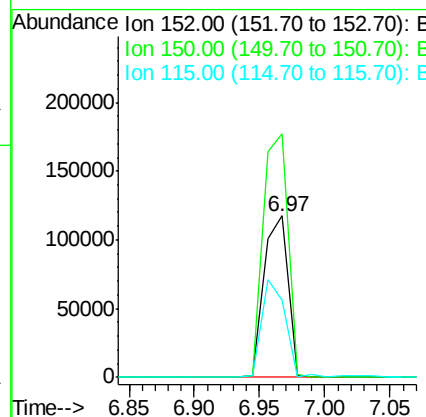
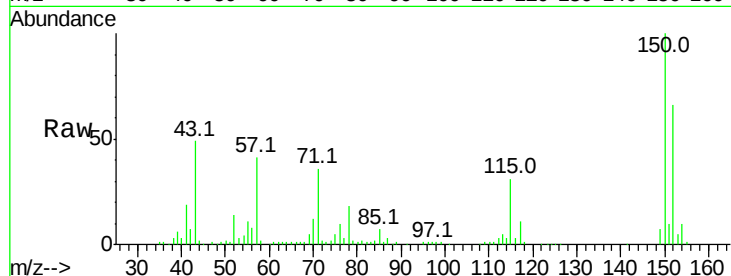
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092661.D
Acq: 31 Jan 2017 3:55

Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S3C3

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.8	124.9	187.3
115	47.4	46.0	69.0

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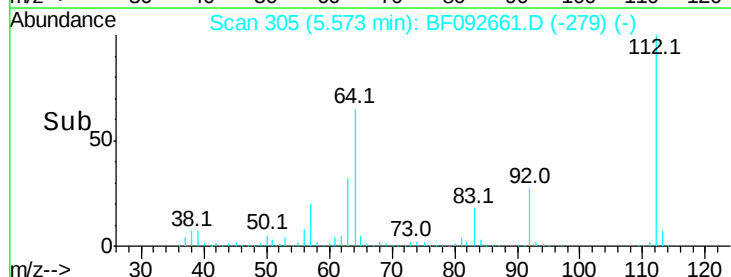
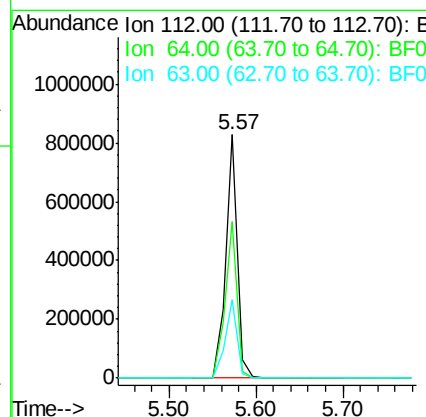
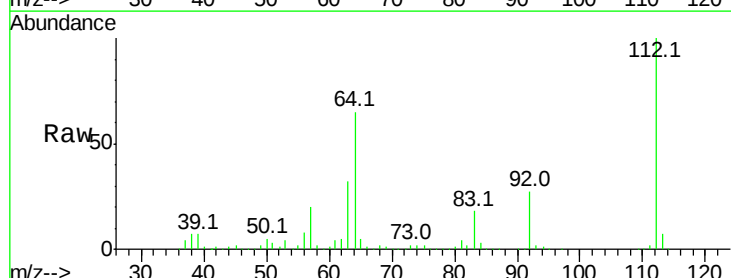
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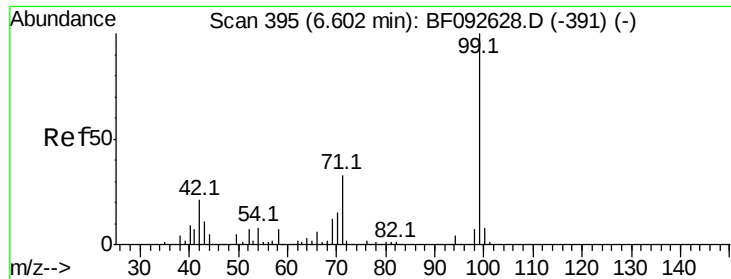


#5

2-Fluorophenol
Concen: 87.76 ng
RT: 5.57 min Scan# 305
Delta R.T. 0.00 min
Lab File: BF092661.D
Acq: 31 Jan 2017 3:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	46.1	69.1
63	32.4	23.8	35.6





#7

Phenol-d6

Concen: 77.84 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF092661.D

Acq: 31 Jan 2017 3:55

Instrument :

BNA_F

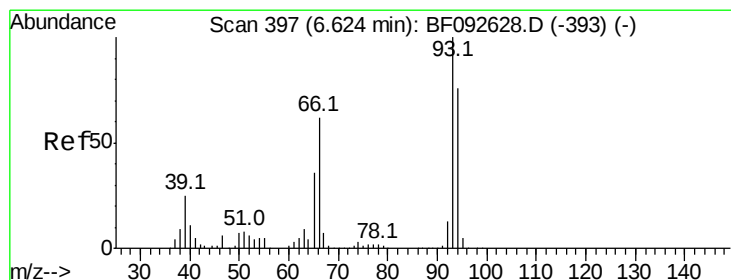
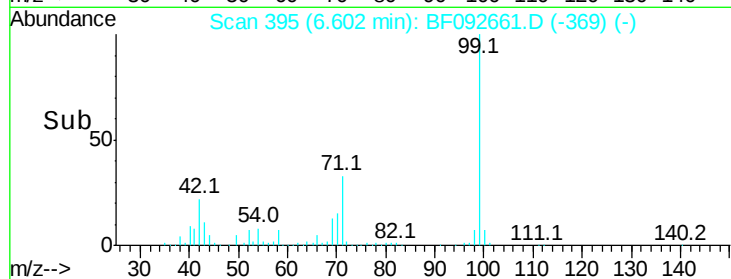
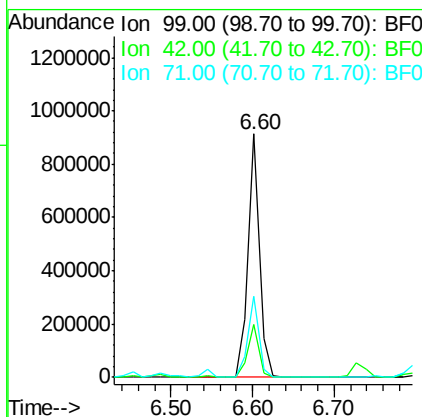
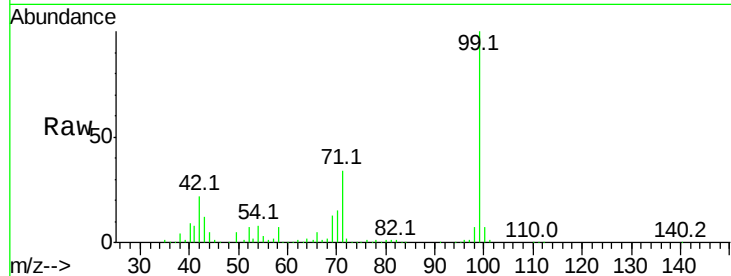
ClientSampleId :

EDC-HPRR-S3C3

Tot Ion:	99	Resp:	889032
Ion Ratio	Lower	Upper	
99	100		
42	21.8	15.6	23.4
71	33.5	27.5	41.3

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#10

Phenol

Concen: 3.49 ng

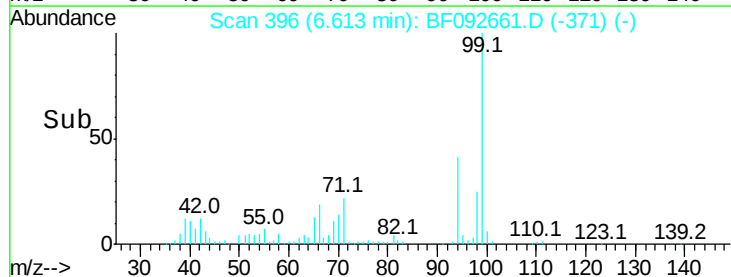
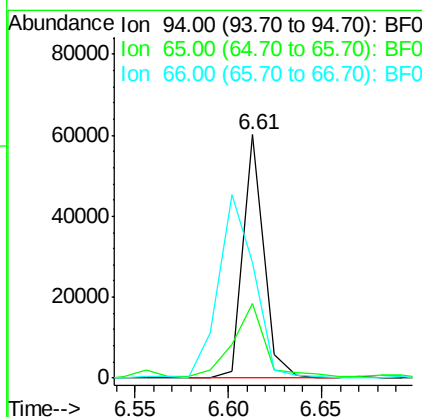
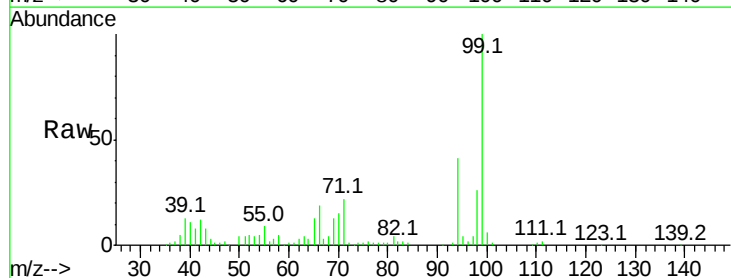
RT: 6.61 min Scan# 396

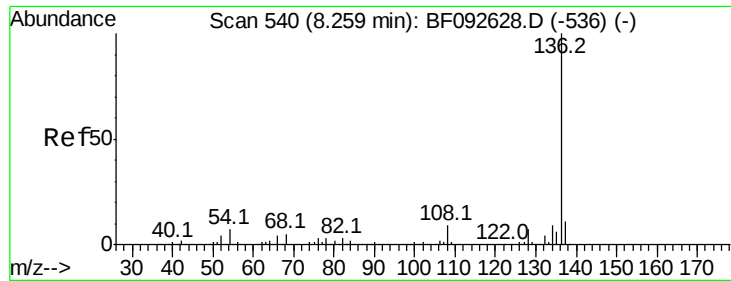
Delta R.T. -0.01 min

Lab File: BF092661.D

Acq: 31 Jan 2017 3:55

Tgt Ion:	94	Resp:	46674
Ion Ratio	Lower	Upper	
94	100		
65	30.5	21.4	61.4
66	47.2	44.0	84.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. 0.00 min

Lab File: BF092661.D

Acq: 31 Jan 2017 3:55

Instrument :

BNA_F

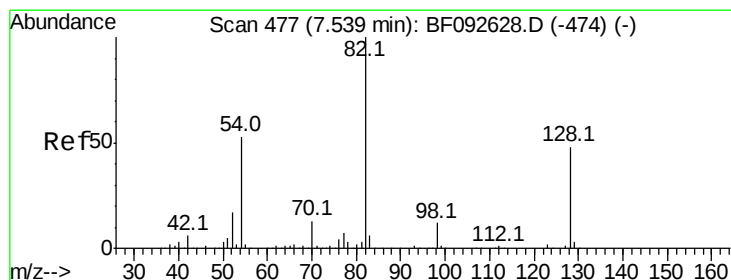
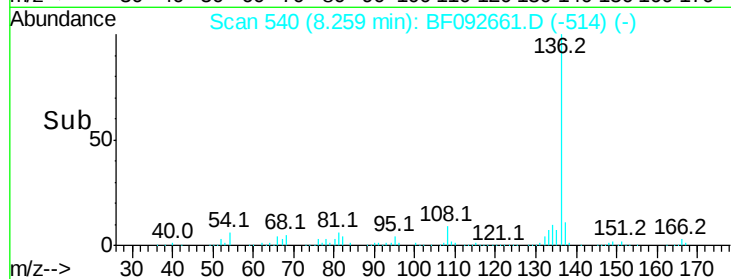
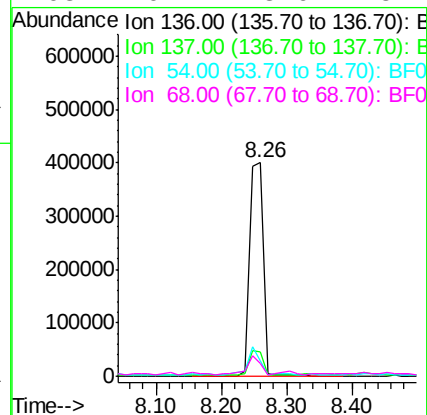
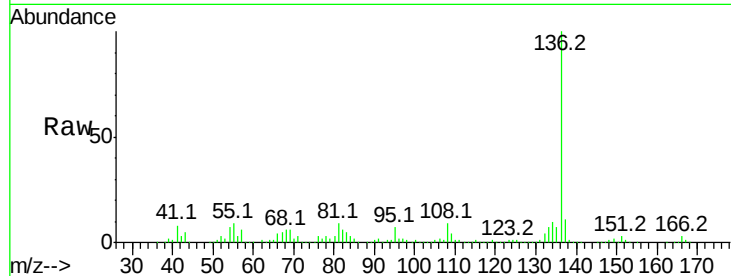
ClientSampleId :

EDC-HPRR-S3C3

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.4	12.6	
54	7.2	4.5	6.7#	
68	6.1	3.6	5.4#	

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#23

Nitrobenzene-d5

Concen: 55.45 ng

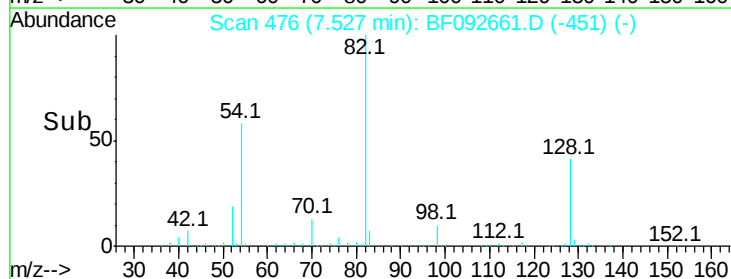
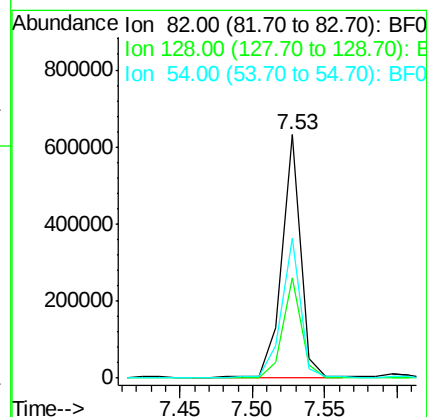
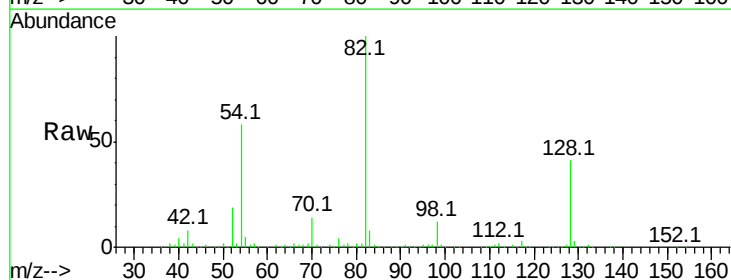
RT: 7.53 min Scan# 476

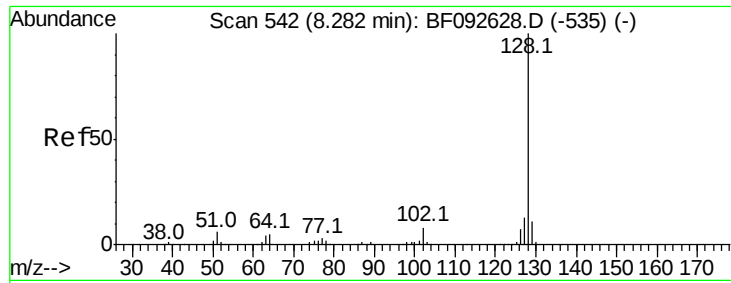
Delta R.T. -0.01 min

Lab File: BF092661.D

Acq: 31 Jan 2017 3:55

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.2	34.6	52.0	
54	57.6	39.5	59.3	





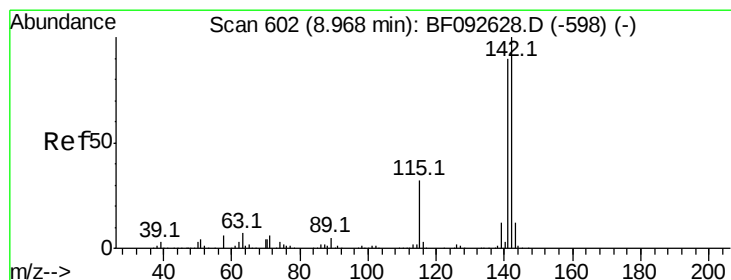
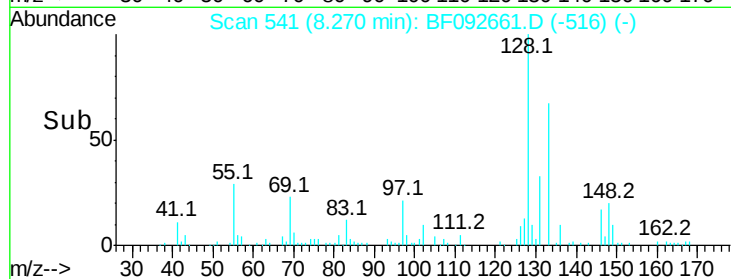
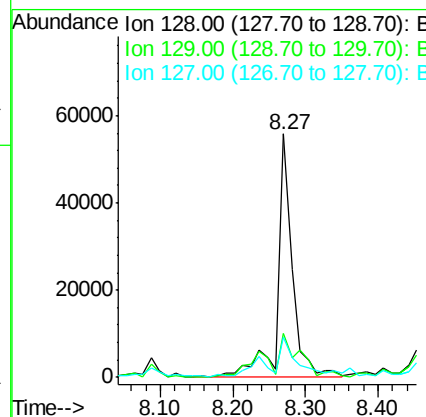
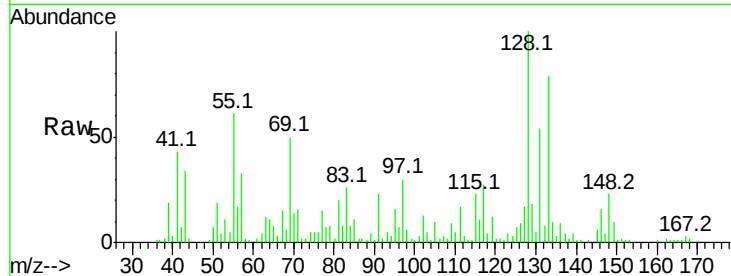
#31
Naphthalene
Concen: 2.76 ng
RT: 8.27 min Scan# 541
Delta R.T. -0.01 min
Lab File: BF092661.D
Acq: 31 Jan 2017 3:55

Instrument :
BNA_F
ClientSampled :
EDC-HPRR-S3C3

Tot Ion	Ratio	Lower	Upper
128	100		
129	18.0	9.5	14.3#
127	16.7	10.8	16.2#

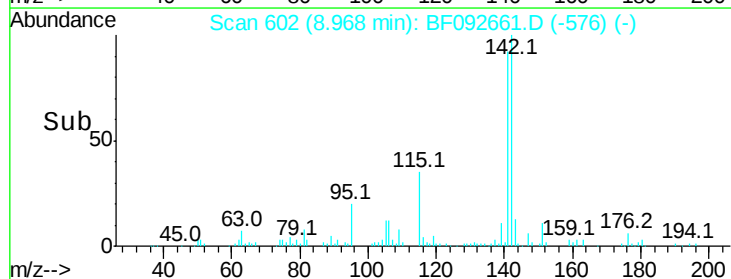
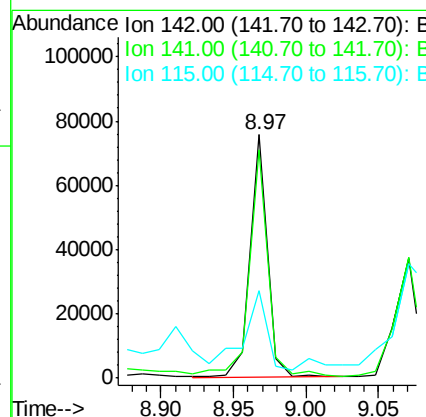
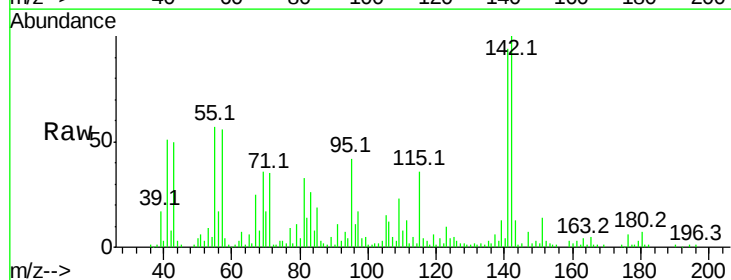
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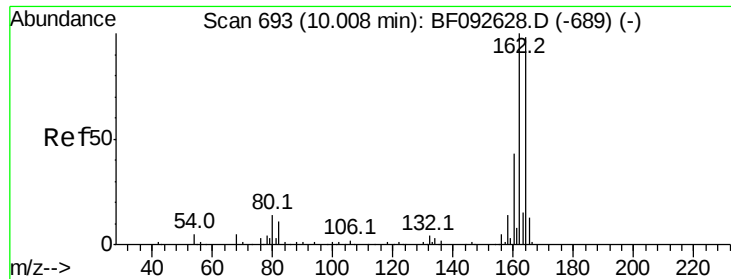
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#37
2-Methylnaphthalene
Concen: 3.41 ng
RT: 8.97 min Scan# 602
Delta R.T. 0.00 min
Lab File: BF092661.D
Acq: 31 Jan 2017 3:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.9	71.0	106.6
115	35.8	28.3	42.5





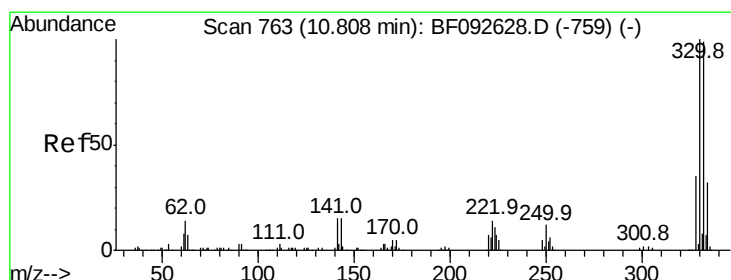
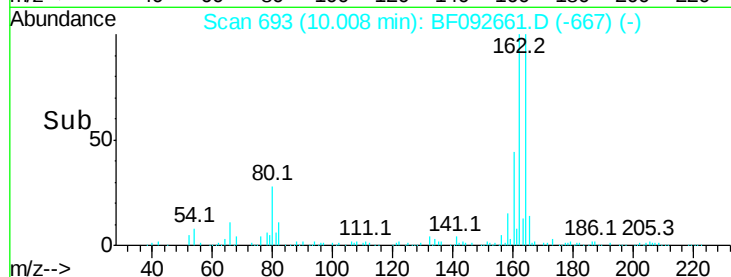
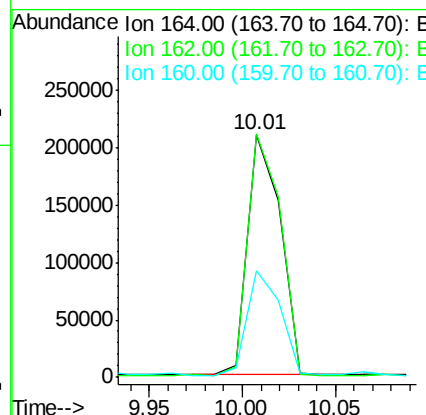
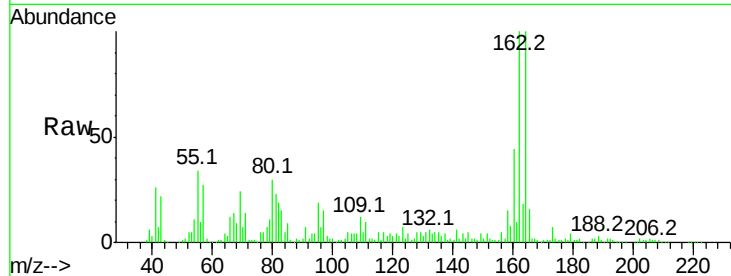
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF092661.D
Acq: 31 Jan 2017 3:55

Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S3C3

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.2	120.2
160	43.8	36.9	55.3

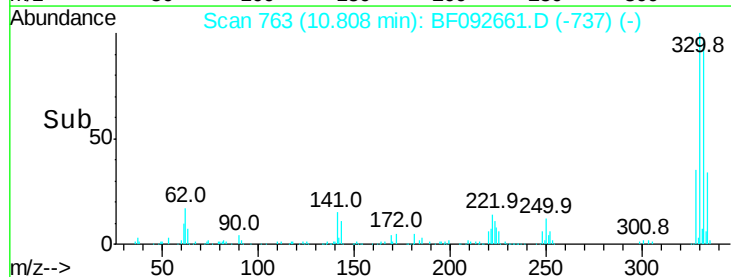
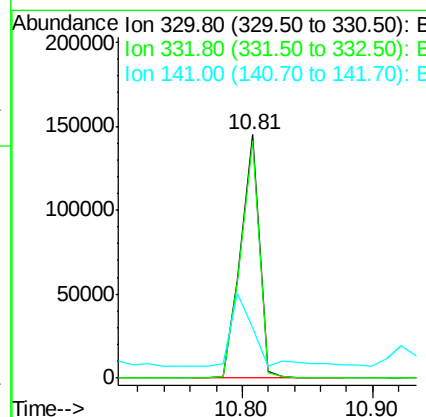
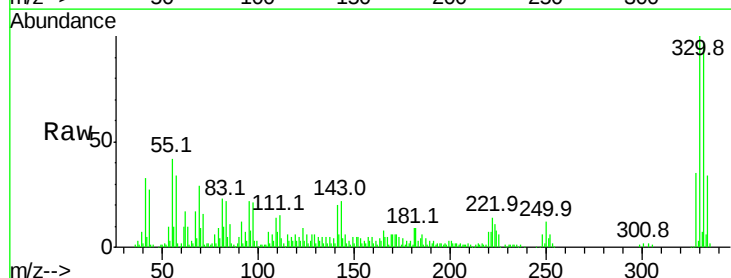
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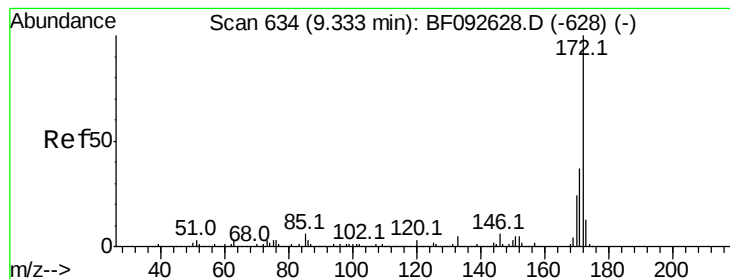
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#41
2,4,6-Tribromophenol
Concen: 77.56 ng
RT: 10.81 min Scan# 763
Delta R.T. 0.00 min
Lab File: BF092661.D
Acq: 31 Jan 2017 3:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.4	116.2
141	35.3	34.1	51.1





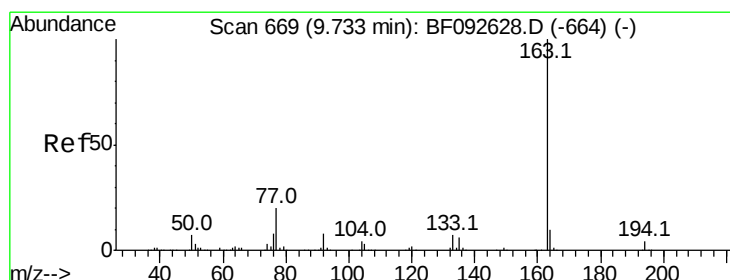
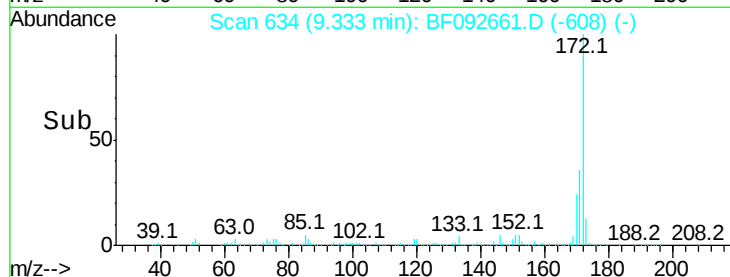
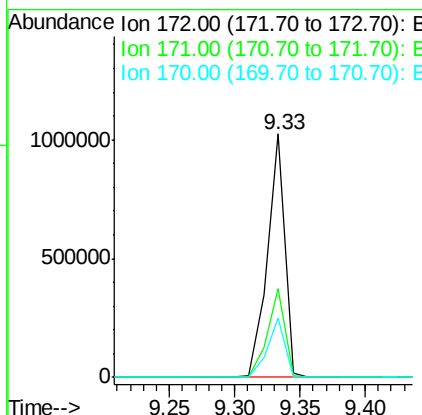
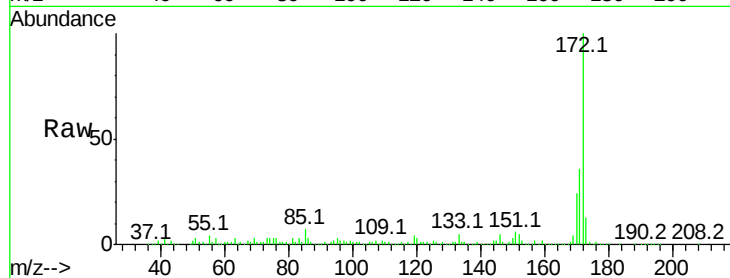
#44
2-Fluorobiphenyl
Concen: 68.14 ng
RT: 9.33 min Scan# 634
Delta R.T. 0.00 min
Lab File: BF092661.D
Acq: 31 Jan 2017 3:55

Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S3C3

Tot Ion	Ratio	Resp	Lower	Upper
172	100	964677		
171	36.4		29.4	44.0
170	24.1		20.2	30.4

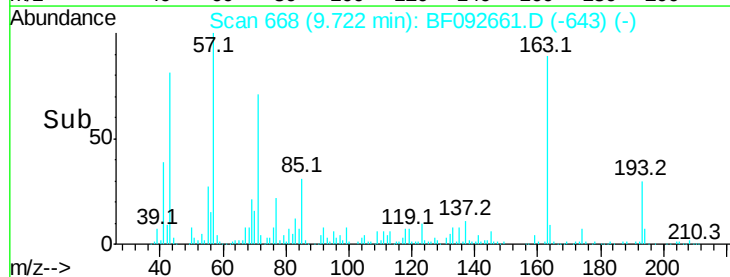
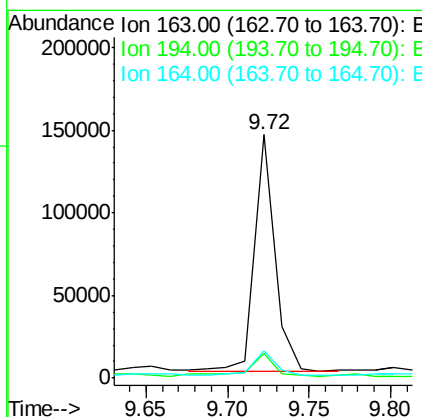
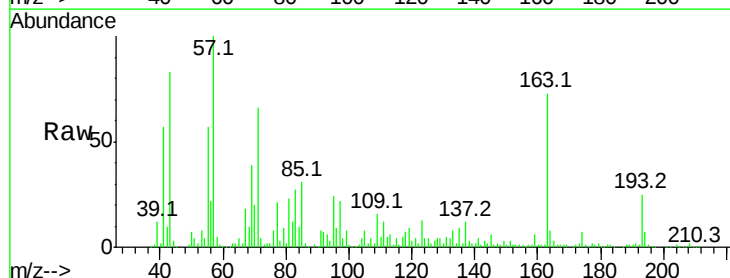
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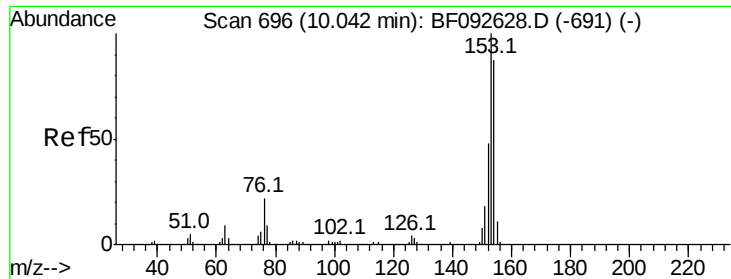
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#49
Dimethylphthalate
Concen: 7.18 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF092661.D
Acq: 31 Jan 2017 3:55

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	124018		
194	10.0		3.0	4.4#
164	11.3		8.0	12.0





#51

Acenaphthene

Concen: 3.60 ng

RT: 10.04 min Scan# 696

Delta R.T. 0.00 min

Lab File: BF092661.D

Acq: 31 Jan 2017 3:55

Instrument :

BNA_F

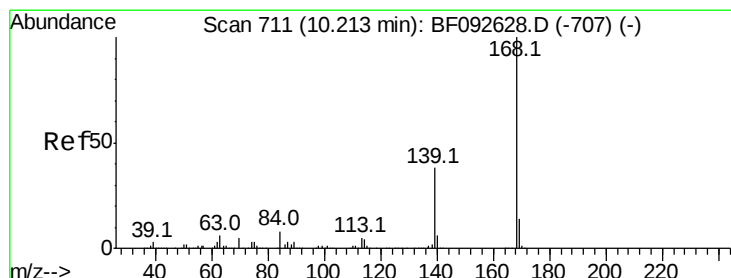
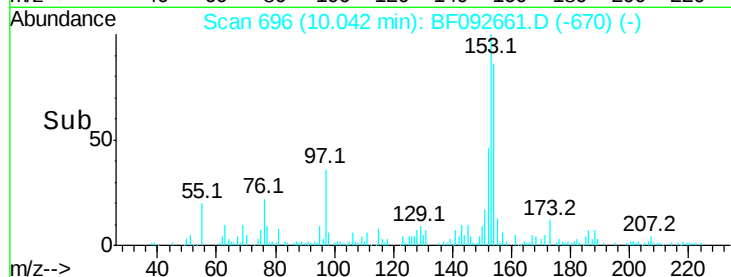
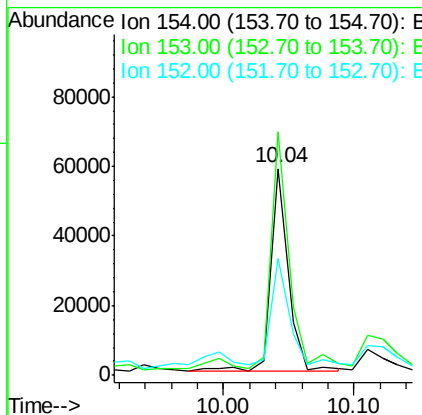
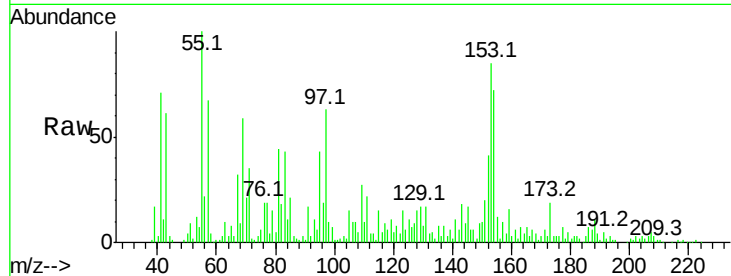
ClientSampleId :

EDC-HPRR-S3C3

Tot Ion:154 Resp: 53985
 Ion Ratio Lower Upper
 154 100
 153 117.7 88.6 133.0
 152 56.7 41.6 62.4

Manual Integrations
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#54

Dibenzofuran

Concen: 2.42 ng

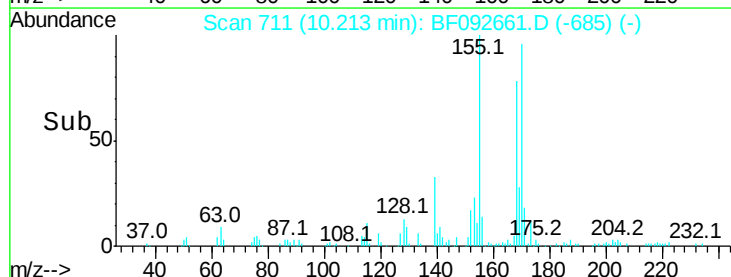
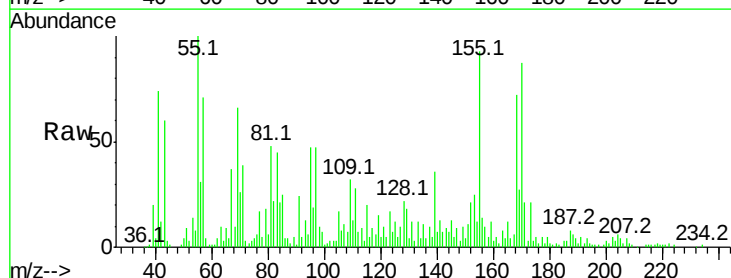
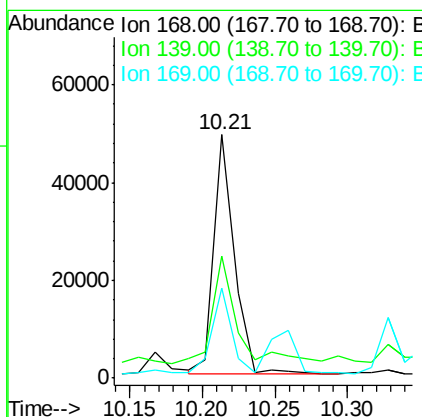
RT: 10.21 min Scan# 711

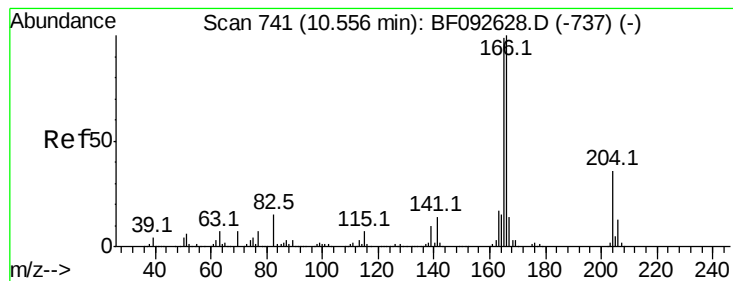
Delta R.T. 0.00 min

Lab File: BF092661.D

Acq: 31 Jan 2017 3:55

Tgt Ion:168 Resp: 48580
 Ion Ratio Lower Upper
 168 100
 139 50.1 32.6 49.0#
 169 37.1 11.3 16.9#





#57

Fluorene

Concen: 4.12 ng

RT: 10.56 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF092661.D

Acq: 31 Jan 2017 3:55

Instrument :

BNA_F

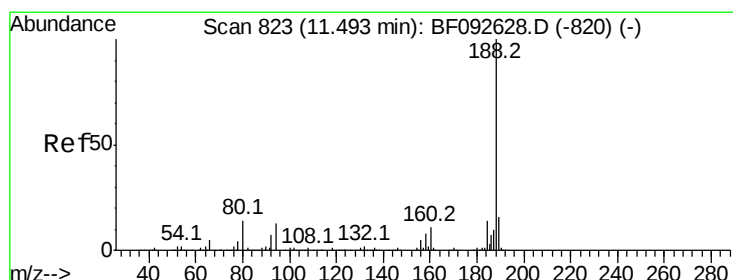
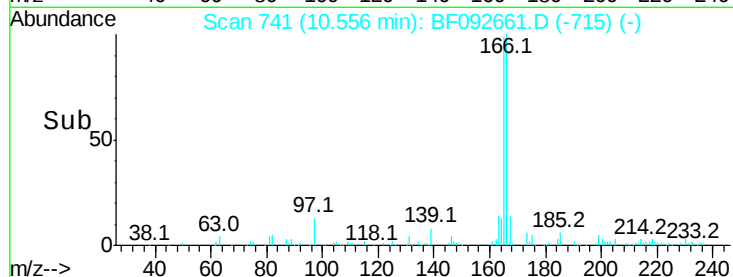
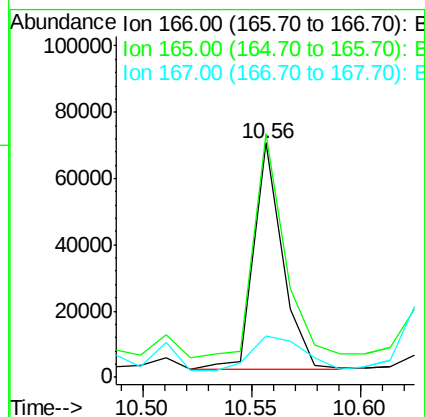
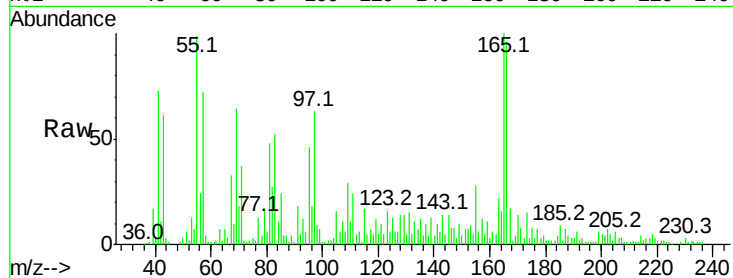
ClientSampleId :

EDC-HPRR-S3C3

Tot Ion:	166	Resp:	63615
Ion Ratio	Lower	Upper	
166	100		
165	103.8	77.8	116.8
167	17.7	10.8	16.2#

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

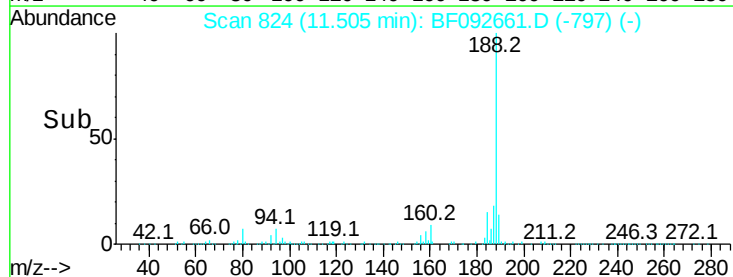
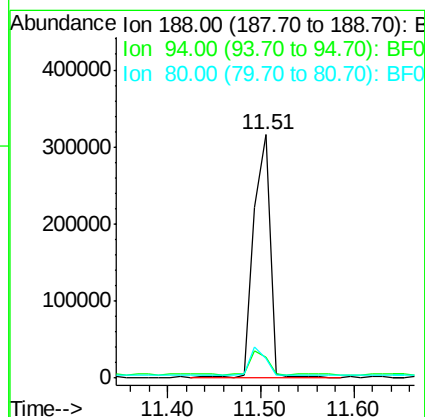
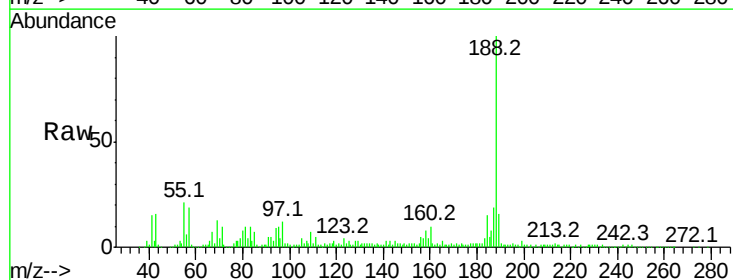
RT: 11.51 min Scan# 824

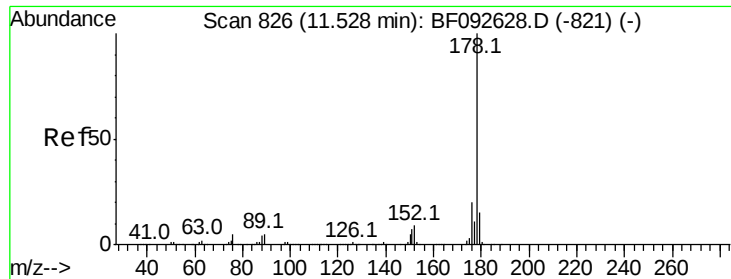
Delta R.T. 0.01 min

Lab File: BF092661.D

Acq: 31 Jan 2017 3:55

Tgt Ion:	188	Resp:	379456
Ion Ratio	Lower	Upper	
188	100		
94	8.6	10.0	15.0#
80	8.1	11.2	16.8#





#70

Phenanthrene

Concen: 12.13 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF092661.D

Acq: 31 Jan 2017 3:55

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S3C3

Tot Ion:178 Resp: 263794

Ion Ratio Lower Upper

178 100

176 19.7 16.6 25.0

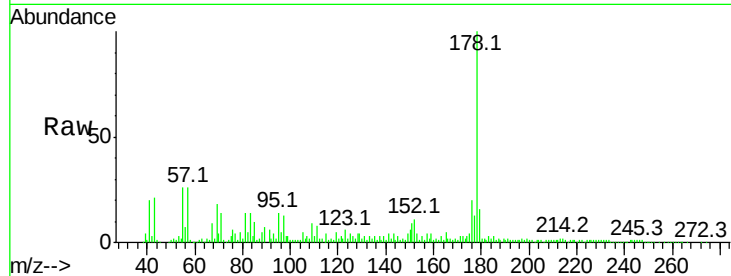
179 16.3 12.8 19.2

Manual Integrations

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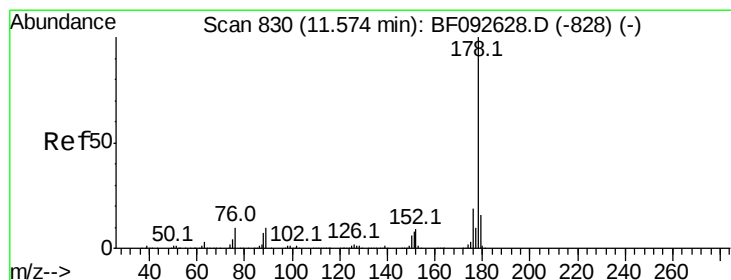
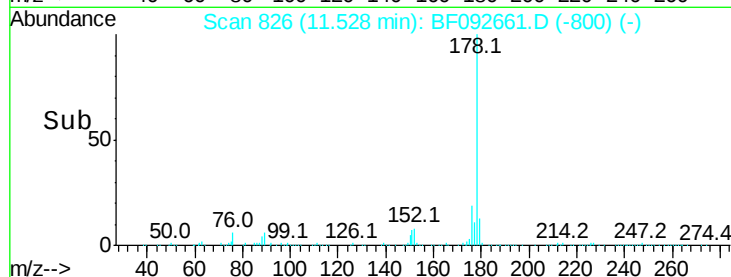
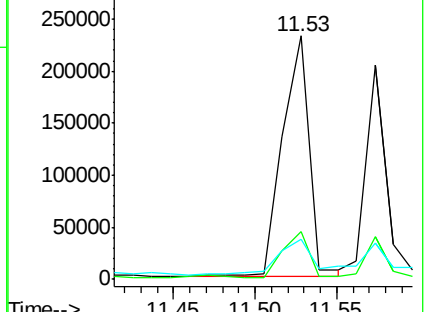
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 7.84 ng

RT: 11.57 min Scan# 830

Delta R.T. 0.00 min

Lab File: BF092661.D

Acq: 31 Jan 2017 3:55

Tgt Ion:178 Resp: 171128

Ion Ratio Lower Upper

178 100

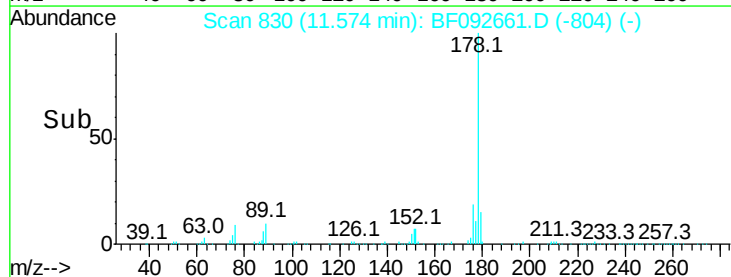
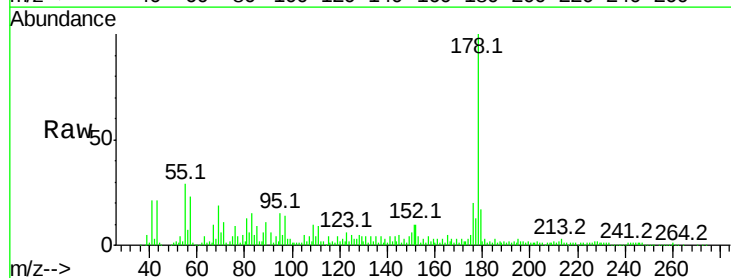
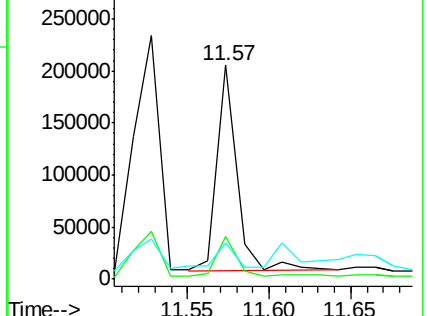
176 19.7 15.9 23.9

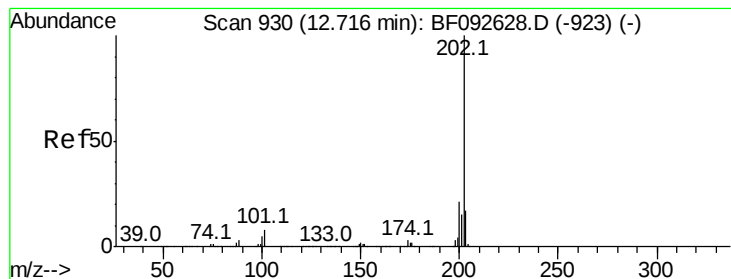
179 16.8 13.2 19.8

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





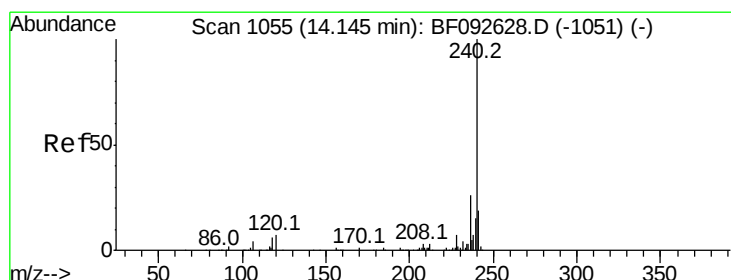
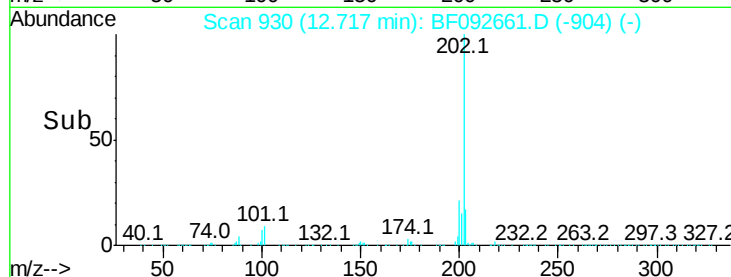
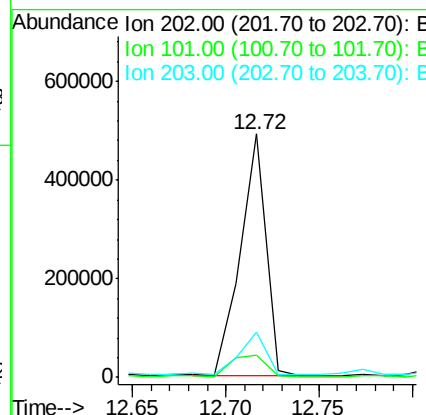
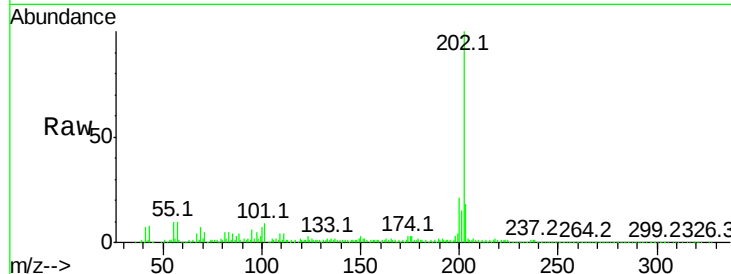
#74
 Fluoranthene
 Concen: 20.84 ng
 RT: 12.72 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: BF092661.D
 Acq: 31 Jan 2017 3:55

Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S3C3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.2	0.0	34.6
203	18.4	0.0	38.7

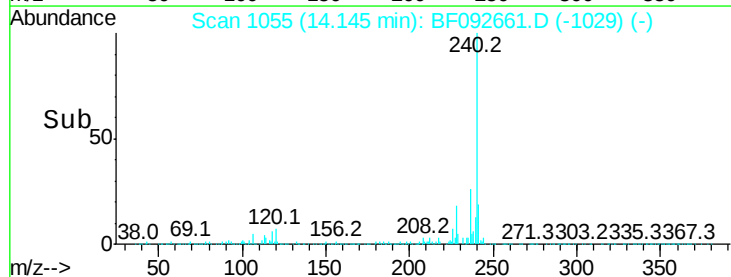
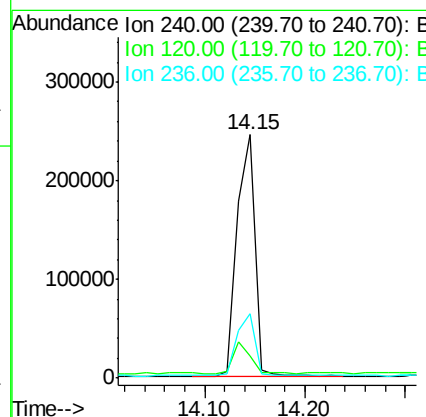
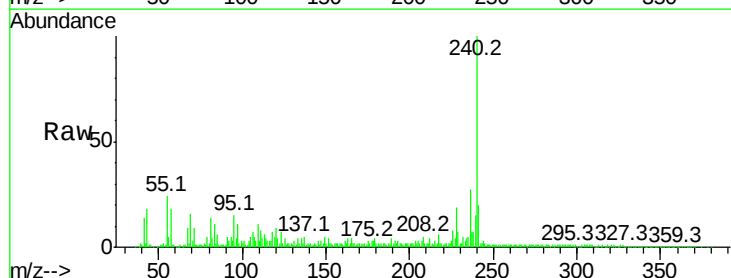
Manual Integrations
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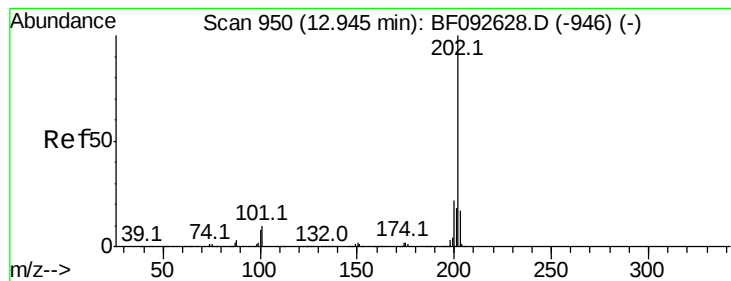
mohammad
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.15 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: BF092661.D
 Acq: 31 Jan 2017 3:55

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.1	12.9	19.3#
236	26.7	20.9	31.3





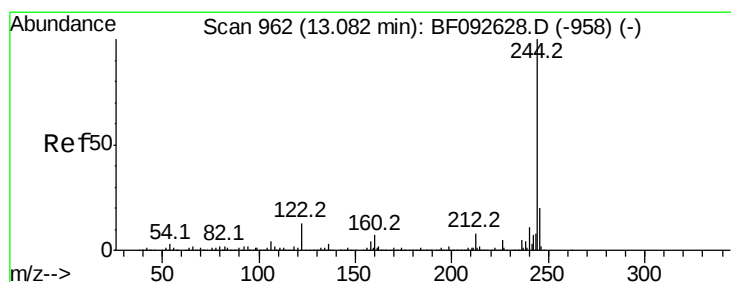
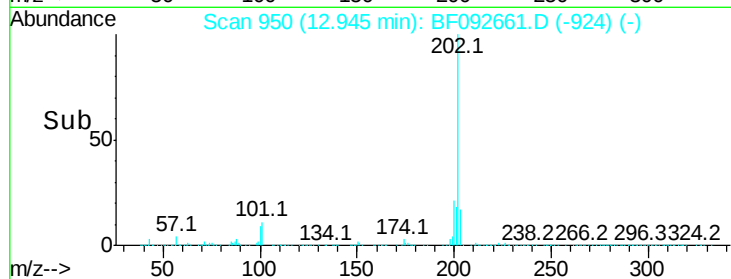
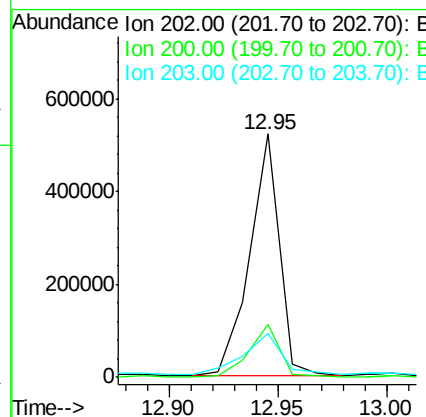
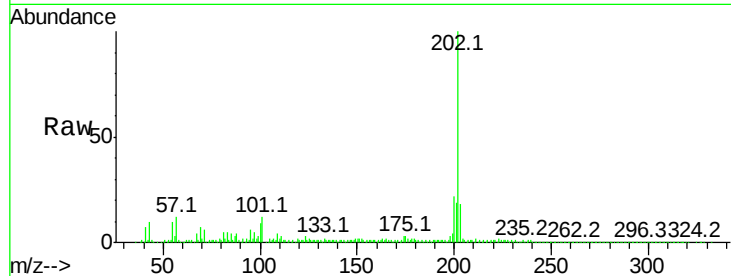
#77
Pvrene
Concen: 22.01 ng
RT: 12.95 min Scan# 950
Delta R.T. 0.00 min
Lab File: BF092661.D
Acq: 31 Jan 2017 3:55

Instrument :
BNA_F
ClientSampled :
EDC-HPRR-S3C3

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.7	26.5
203	18.2	14.7	22.1

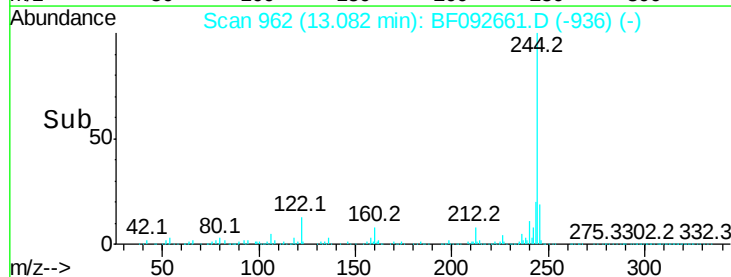
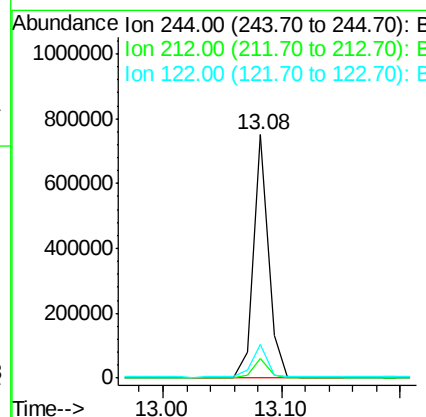
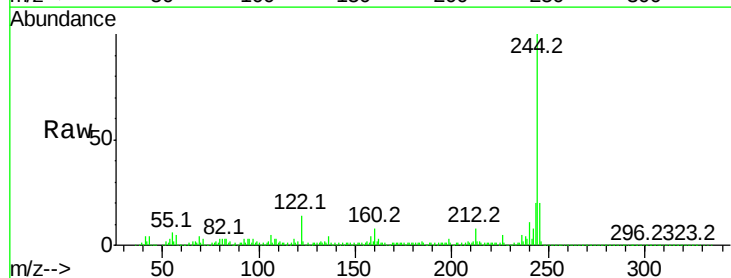
Manual Integrations
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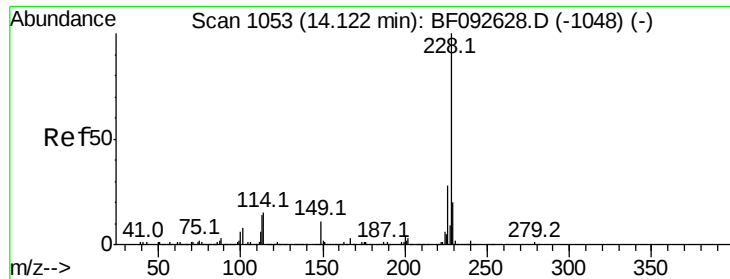
mohammad
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#78
Terphenyl-d14
Concen: 51.70 ng
RT: 13.08 min Scan# 962
Delta R.T. 0.00 min
Lab File: BF092661.D
Acq: 31 Jan 2017 3:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.2
122	13.8	11.4	17.2





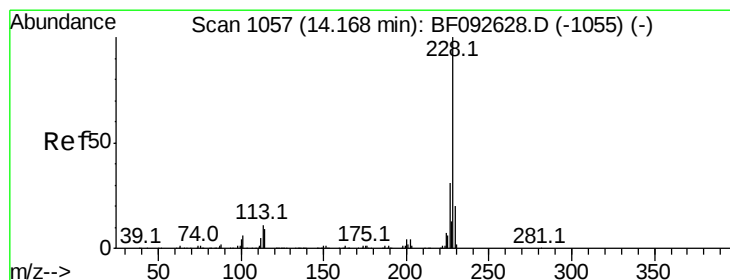
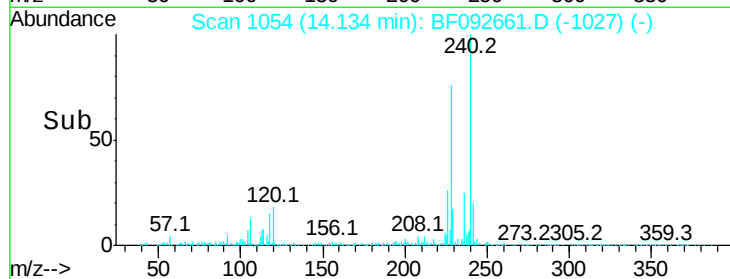
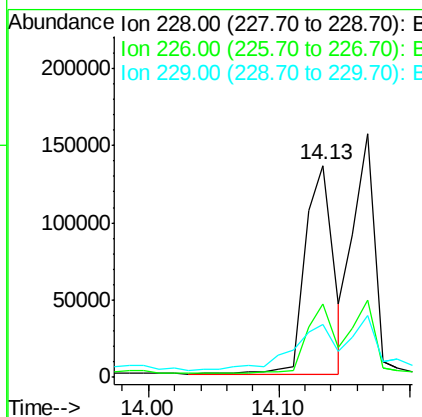
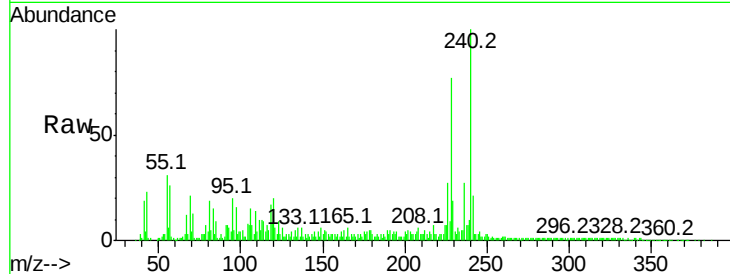
#80
Benzo(a)anthracene
Concen: 11.07 ng
RT: 14.13 min Scan# 1054
Delta R.T. 0.01 min
Lab File: BF092661.D
Acq: 31 Jan 2017 3:55

Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S3C3

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.7	22.4	33.6#
229	25.0	16.2	24.4#

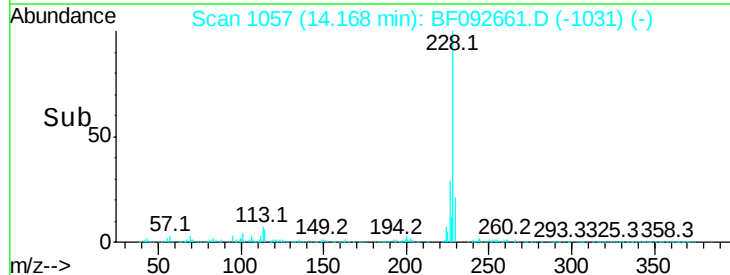
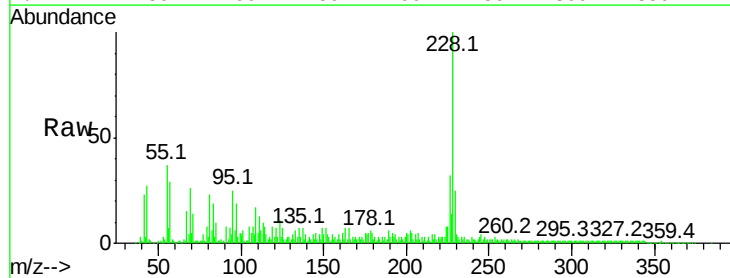
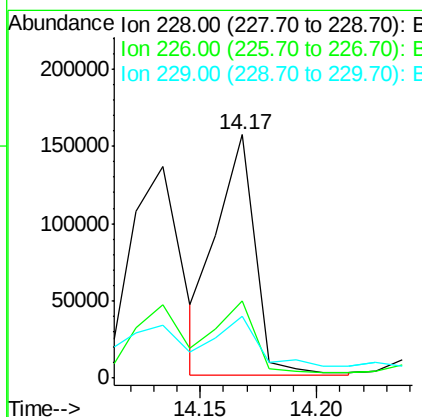
Manual Integrations
APPROVED

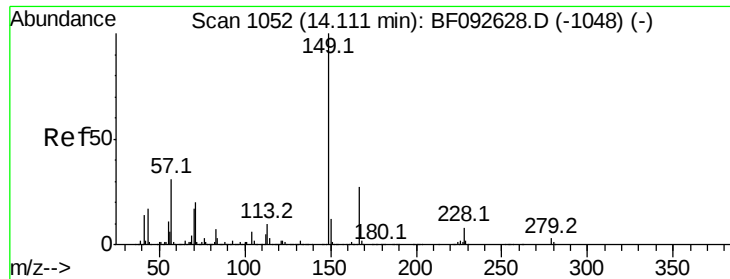
mohammad
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#82
Chrysene
Concen: 10.50 ng m
RT: 14.17 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BF092661.D
Acq: 31 Jan 2017 3:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.4	38.0
229	25.2	16.2	24.2#





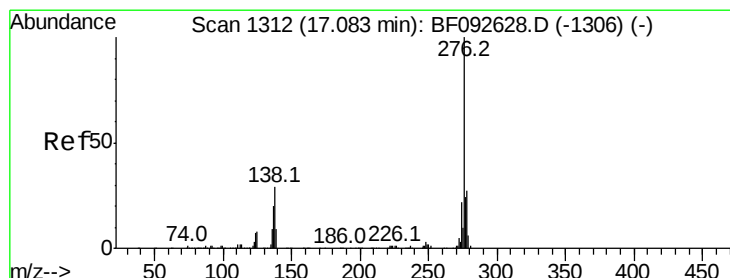
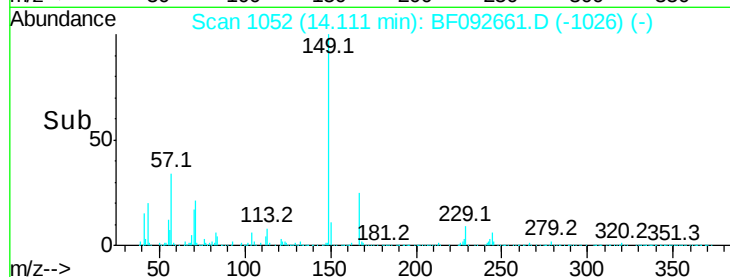
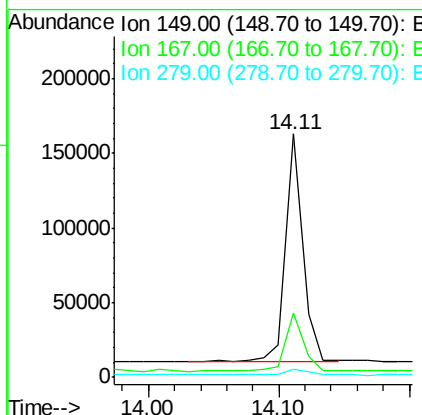
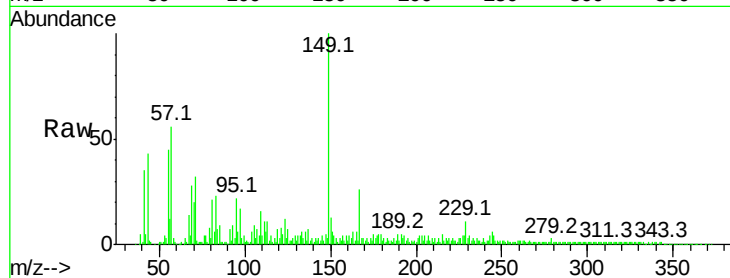
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 11.12 ng
 RT: 14.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: BF092661.D
 Acq: 31 Jan 2017 3:55

Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S3C3

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.2	30.4
279	3.1	1.8	2.8

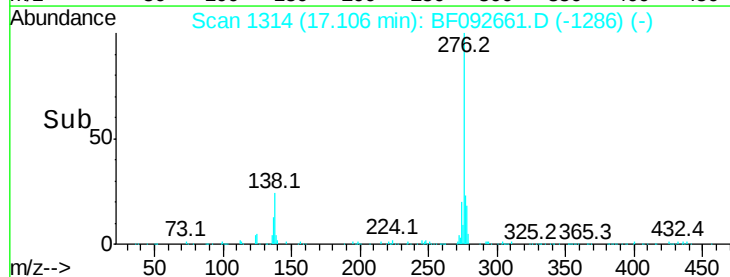
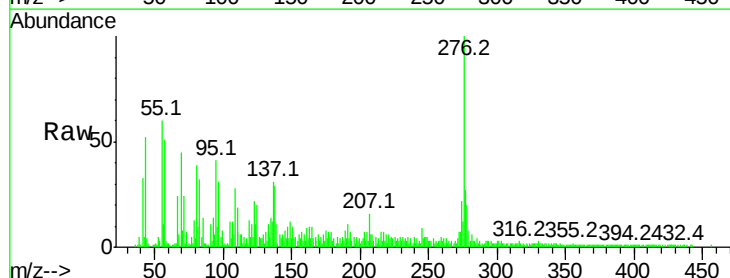
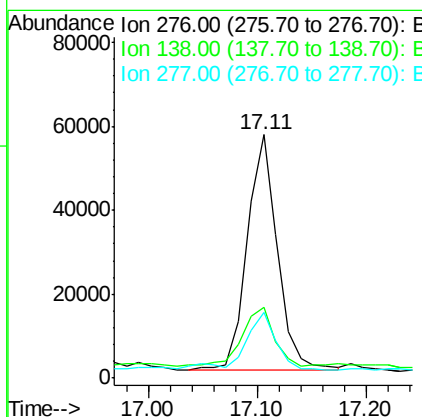
Manual Integrations
 APPROVED

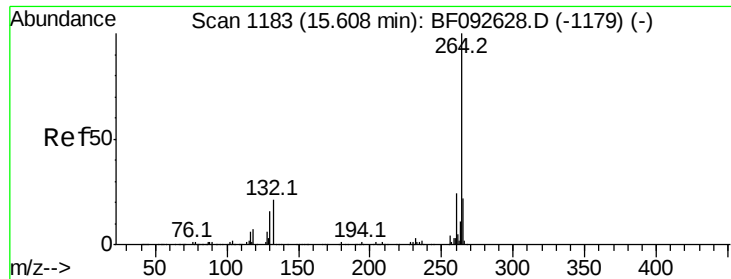
mohammad
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.07 ng
 RT: 17.11 min Scan# 1314
 Delta R.T. 0.02 min
 Lab File: BF092661.D
 Acq: 31 Jan 2017 3:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.8	21.8	32.6
277	27.6	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.62 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BF092661.D

Acq: 31 Jan 2017 3:55

Instrument :

BNA_F

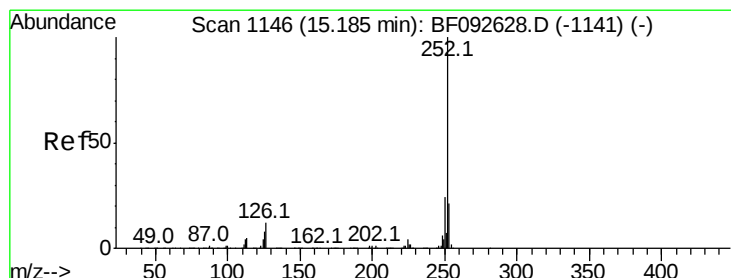
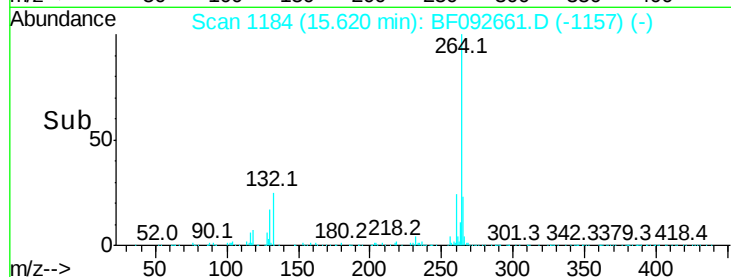
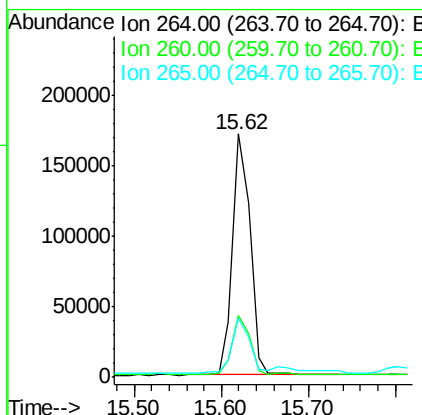
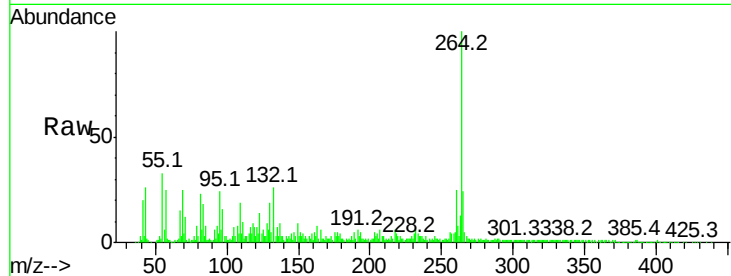
ClientSampleId :

EDC-HPRR-S3C3

Tot Ion:	264	Resp:	241194
Ion Ratio	Lower	Upper	
264	100		
260	25.2	19.2	28.8
265	24.2	17.4	26.0

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 18.67 ng m

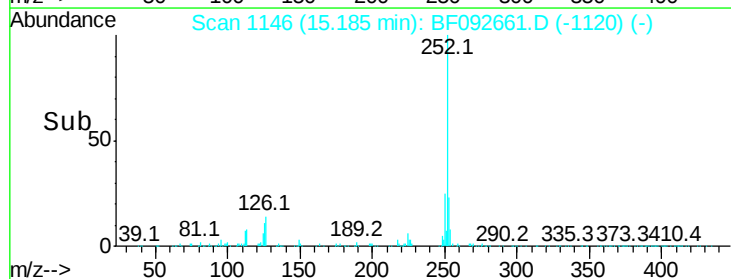
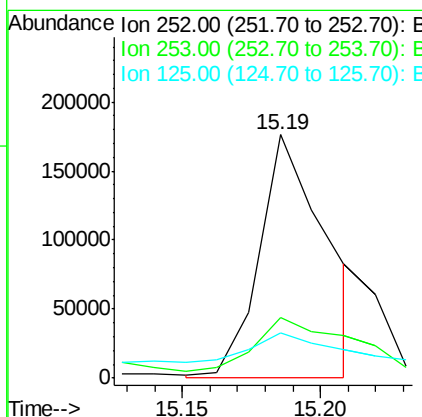
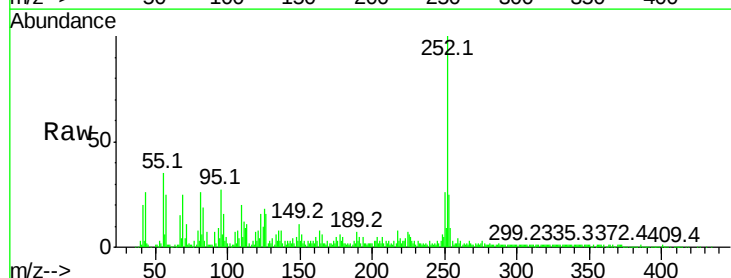
RT: 15.19 min Scan# 1146

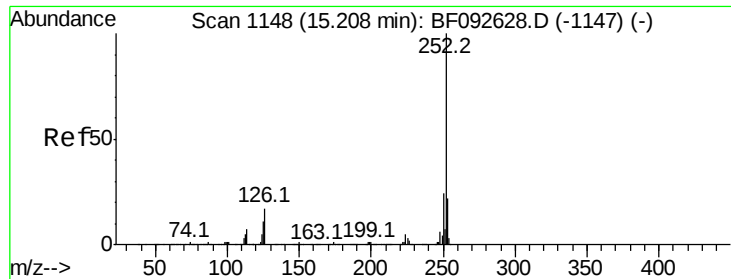
Delta R.T. 0.00 min

Lab File: BF092661.D

Acq: 31 Jan 2017 3:55

Tgt Ion:	252	Resp:	296372
Ion Ratio	Lower	Upper	
252	100		
253	24.9	18.2	27.4
125	18.4	9.8	14.6#





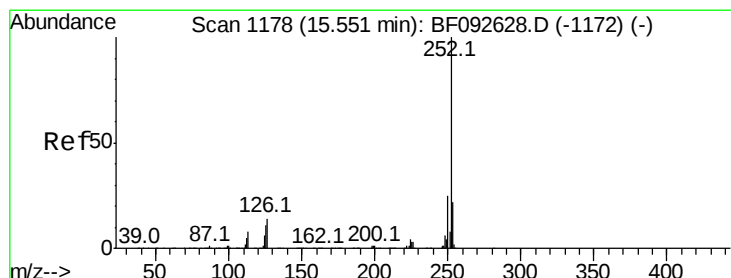
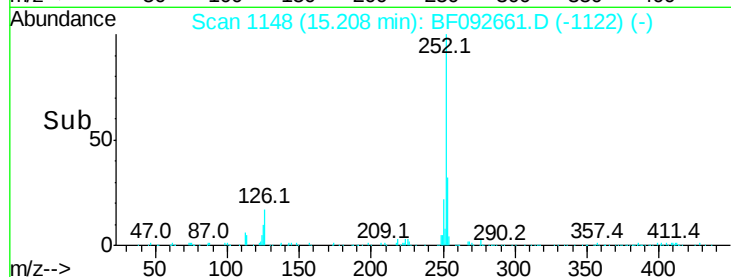
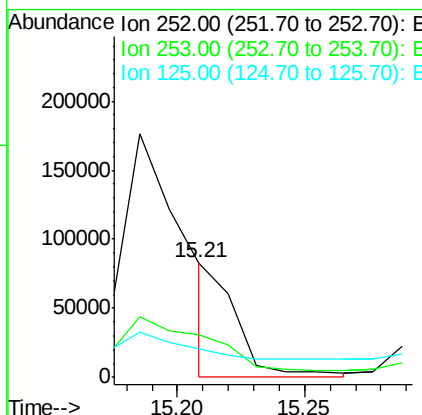
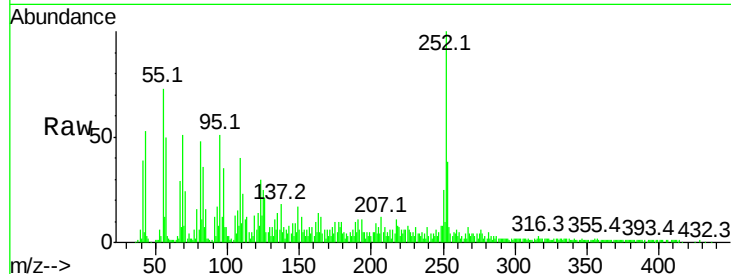
#88
Benzo(k)fluoranthene
Concen: 4.05 ng m
RT: 15.21 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF092661.D
Acq: 31 Jan 2017 3:55

Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S3C3

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.7	18.5	27.7#
125	24.9	8.9	13.3#

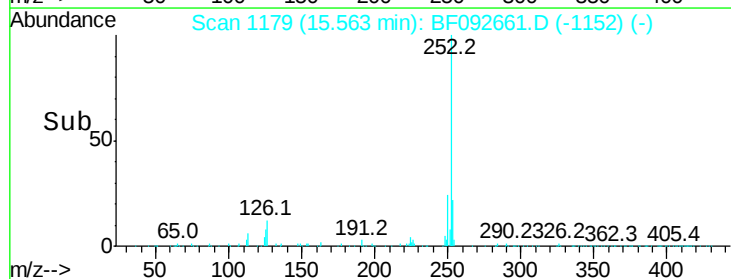
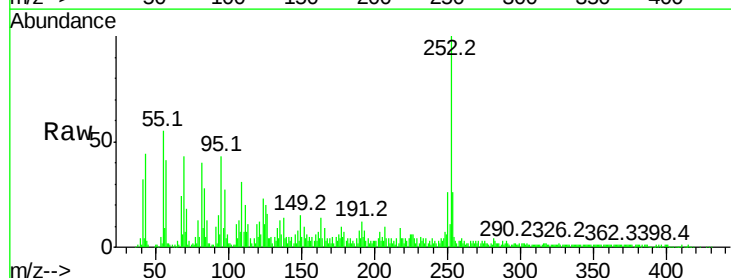
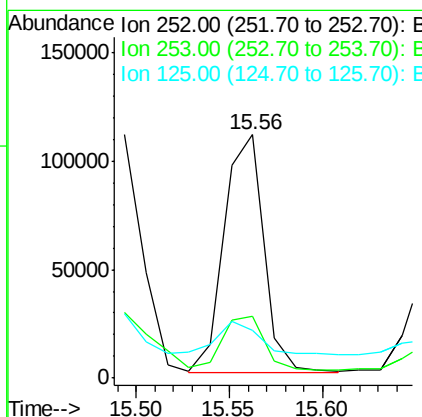
Manual Integrations
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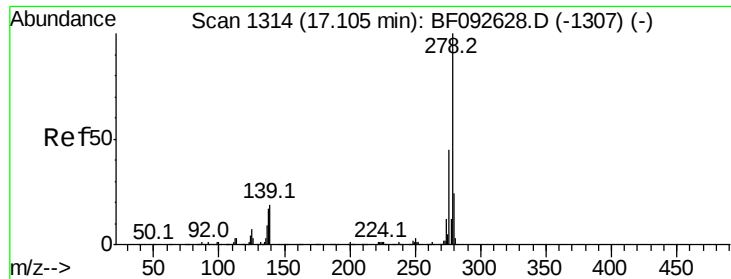
mohammad
1/31/2017 4:46:10 PM



#89
Benzo(a)pyrene
Concen: 11.96 ng
RT: 15.56 min Scan# 1179
Delta R.T. 0.01 min
Lab File: BF092661.D
Acq: 31 Jan 2017 3:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.2
125	19.6	10.0	15.0#





#90

Dibenzo(a,h)anthracene

Concen: 2.60 ng

RT: 17.12 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF092661.D

Acq: 31 Jan 2017 3:55

Instrument :

BNA_F

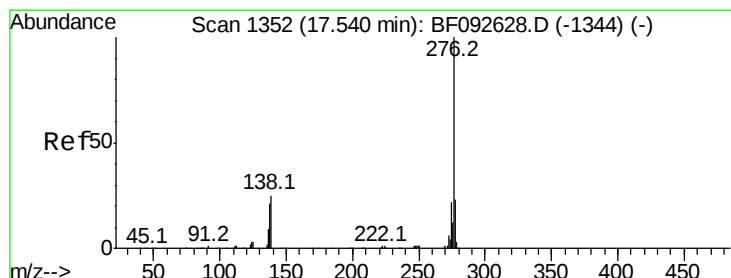
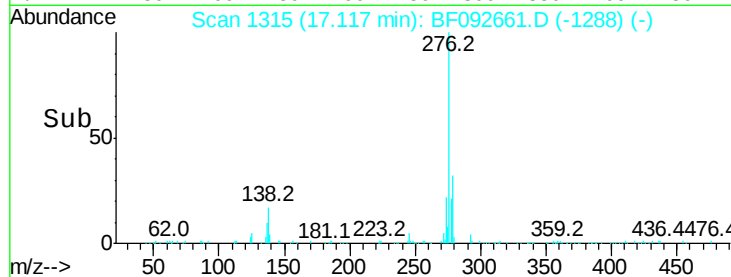
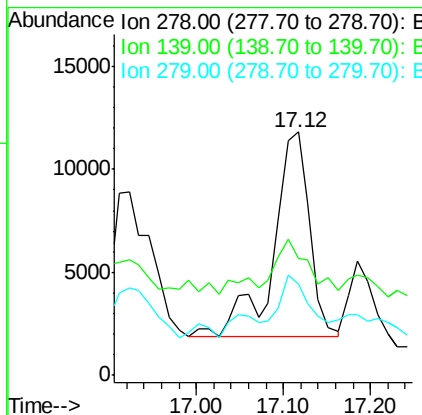
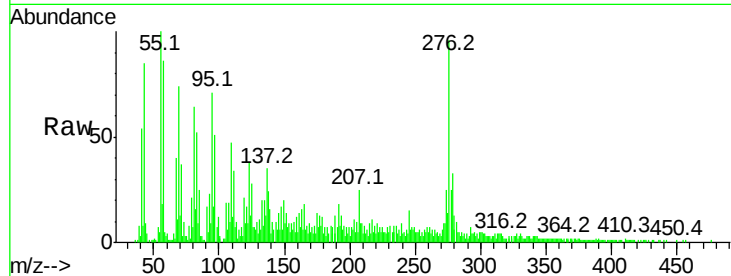
ClientSampled :

EDC-HPRR-S3C3

Tot Ion	Ratio	Lower	Upper
278	100		
139	48.0	14.8	22.2#
279	37.7	19.8	29.6#

Manual Integrations
APPROVED

mohammad
1/31/2017 4:46:10 PM



#91

Benzo(g,h,i)perylene

Concen: 10.10 ng

RT: 17.56 min Scan# 1354

Delta R.T. 0.02 min

Lab File: BF092661.D

Acq: 31 Jan 2017 3:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.2	28.8
138	28.0	16.0	24.0#

