

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
 Data File : BF095915.D
 Acq On : 14 Jun 2017 2:44
 Operator : SJ/MA
 Sample : I3635-07 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-061217-C

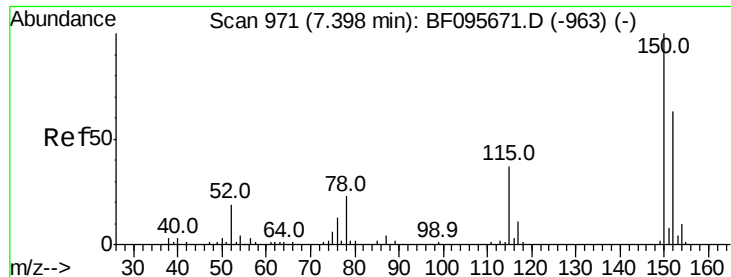
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Quant Time: Jun 14 06:02:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	76465	20.00	ng	-0.05
21) Naphthalene-d8	9.38	136	290645	20.00	ng	-0.05
38) Acenaphthene-d10	12.20	164	117139	20.00	ng	-0.05
63) Phenanthrene-d10	14.60	188	187171	20.00	ng	-0.05
75) Chrysene-d12	18.32	240	143359	20.00	ng	-0.04
86) Perylene-d12	19.99	264	109616	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	70235	14.64	ng	0.00
7) Phenol-d6	6.96	99	87873	15.30	ng	0.00
23) Nitrobenzene-d5	8.28	82	47741	10.20	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	15235	14.70	ng	-0.04
44) 2-Fluorobiphenyl	11.16	172	112610	13.38	ng	-0.05
78) Terphenyl-d14	16.97	244	77566	13.43	ng	-0.05
Target Compounds						Qvalue
70) Phenanthrene	14.64	178	281427	26.06	ng	97
71) Anthracene	14.73	178	26396m	2.34	ng	
72) Carbazole	15.04	167	26313	2.39	ng	98
74) Fluoranthene	16.42	202	577053	53.99	ng	97
77) Pyrene	16.73	202	463247	43.31	ng	98
80) Benzo(a)anthracene	18.31	228	167217	20.06	ng	98
82) Chrysene	18.36	228	218704	26.26	ng	98
85) Indeno(1,2,3-cd)pyrene	21.17	276	82369	11.56	ng	95
87) Benzo(b)fluoranthene	19.59	252	215629m	31.42	ng	
88) Benzo(k)fluoranthene	19.62	252	80856m	12.32	ng	
89) Benzo(a)pyrene	19.94	252	132802	21.05	ng	98
90) Dibenzo(a,h)anthracene	21.16	278	23801	4.45	ng	# 85
91) Benzo(a,h,i)perylene	21.50	276	77494	14.20	ng	96

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



#1

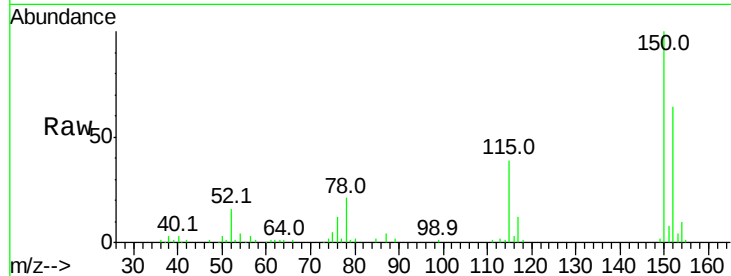
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 980
Delta R.T. -0.05 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-C

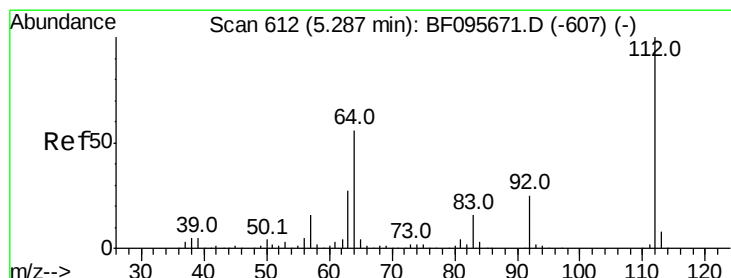
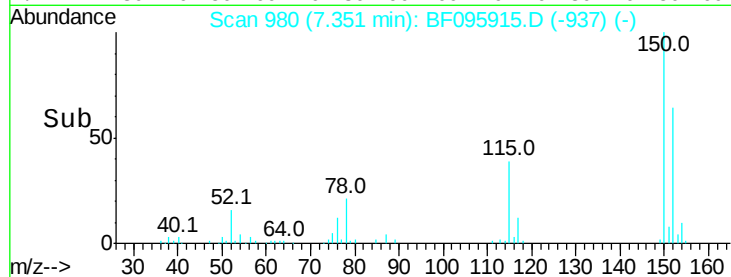
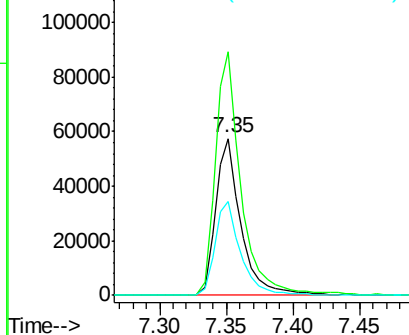
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.2	189.2
115	60.0	52.2	78.2

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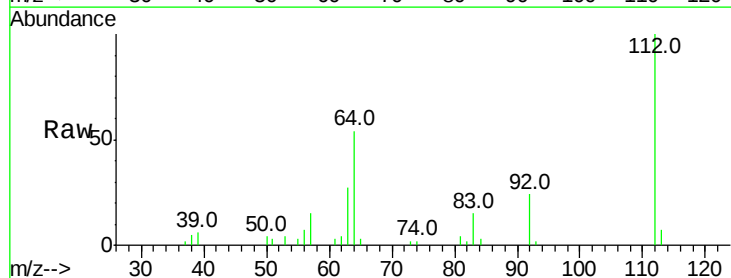
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



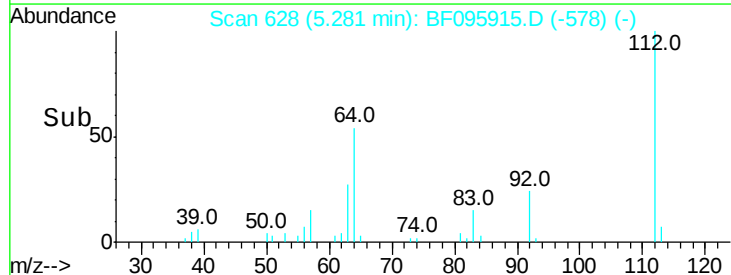
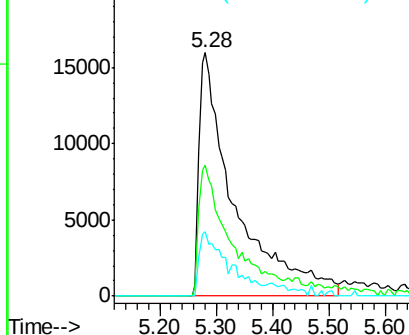
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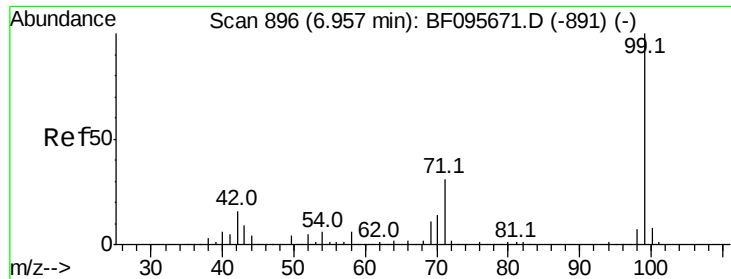
2-Fluorophenol
Concen: 14.64 ng
RT: 5.28 min Scan# 628
Delta R.T. -0.01 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	46.0	69.0
63	26.6	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 15.30 ng

RT: 6.96 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF095915.D

Acq: 14 Jun 2017 2:44

Instrument :

BNA_F

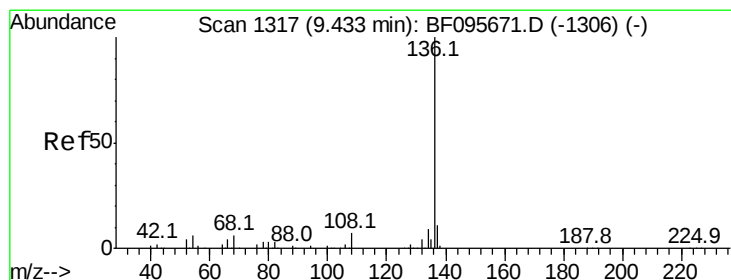
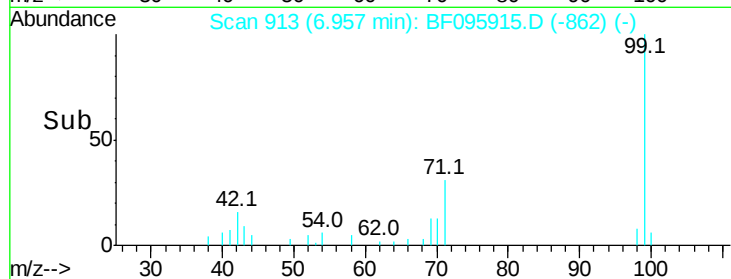
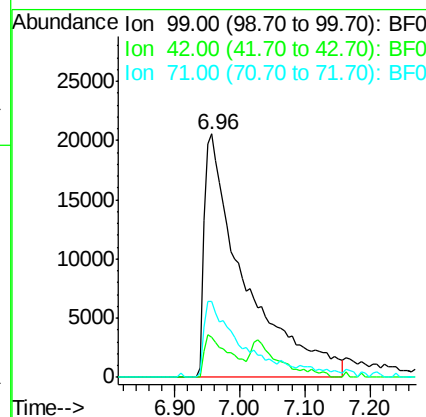
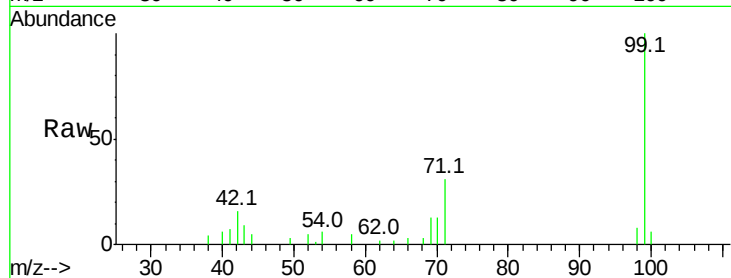
ClientSampleId :

CL-02-061217-C

Tot Ion:	99	Resp:	87873
Ion Ratio	Lower	Upper	
99	100		
42	16.5	13.5	20.3
71	31.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

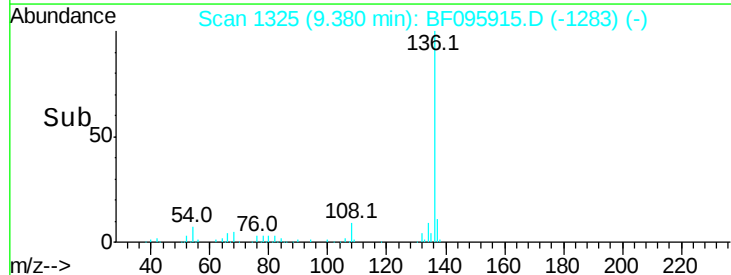
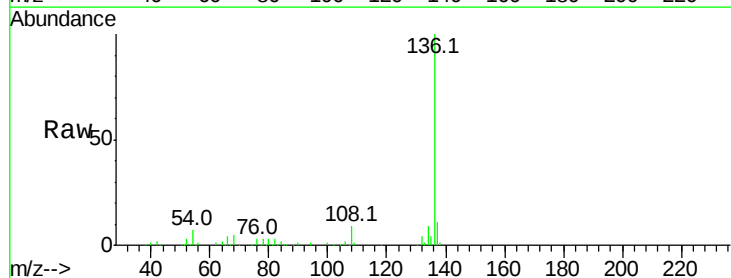
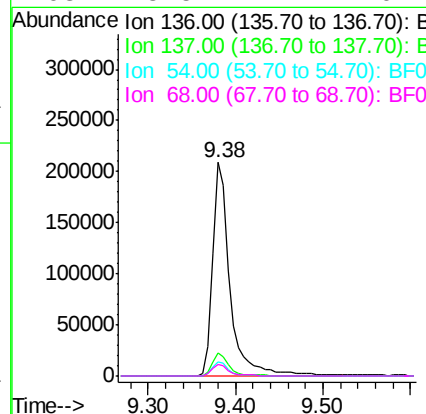
RT: 9.38 min Scan# 1325

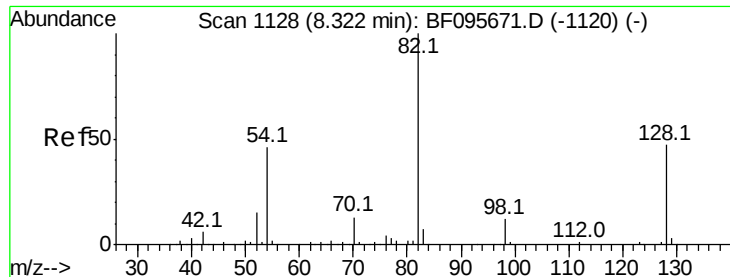
Delta R.T. -0.05 min

Lab File: BF095915.D

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Tgt Ion:	136	Resp:	290645
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	6.8	4.9	7.3
68	5.5	4.1	6.1





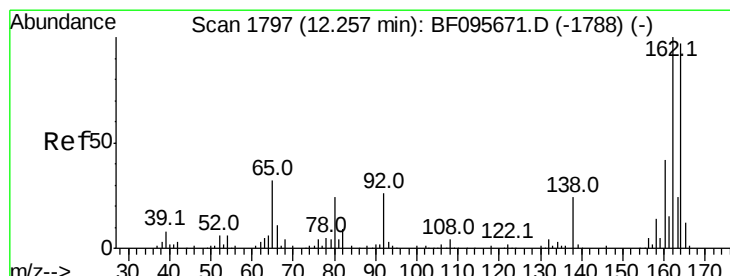
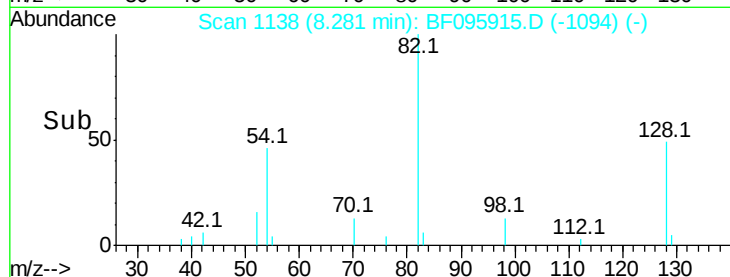
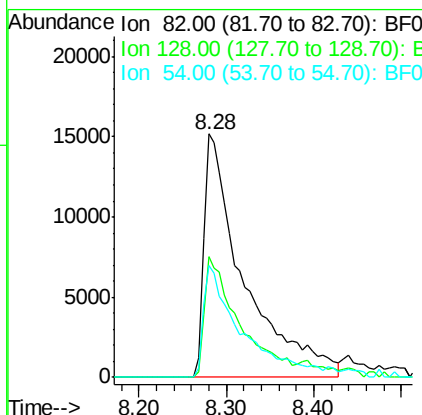
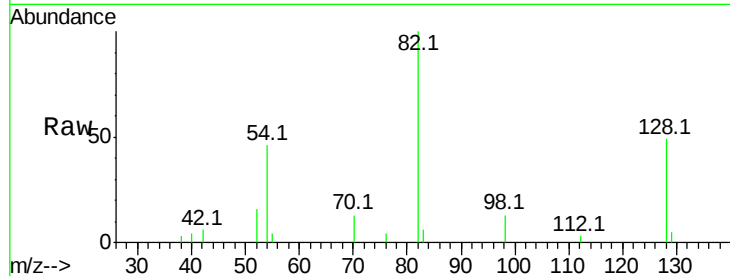
#23
Nitrobenzene-d5
Concen: 10.20 ng
RT: 8.28 min Scan# 1138
Delta R.T. -0.04 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.5	34.0	51.0
54	46.1	42.2	63.2

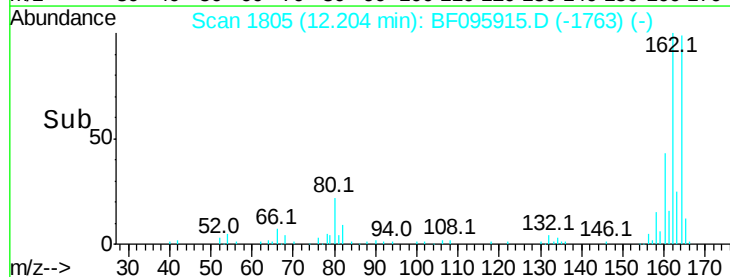
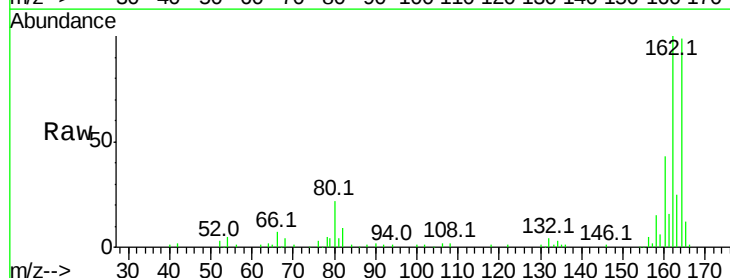
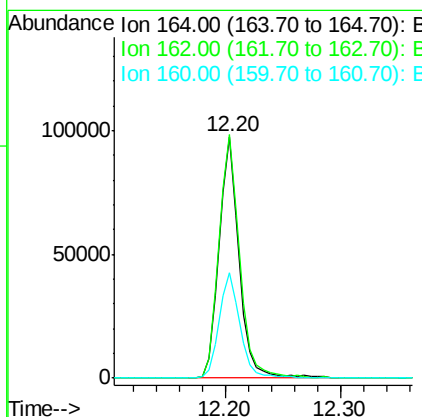
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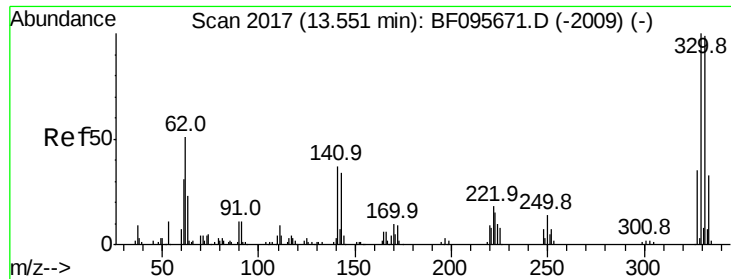
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.20 min Scan# 1805
Delta R.T. -0.05 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.6	123.8
160	43.8	36.2	54.2





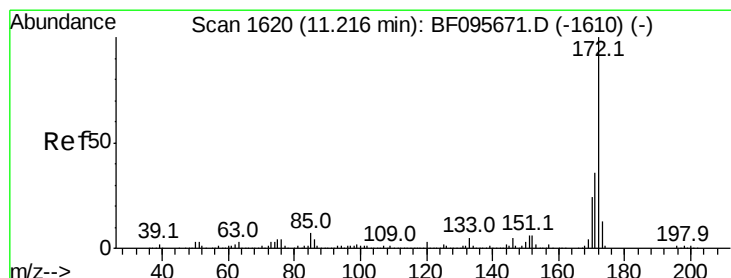
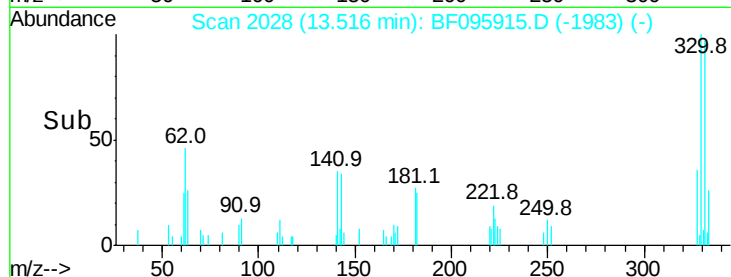
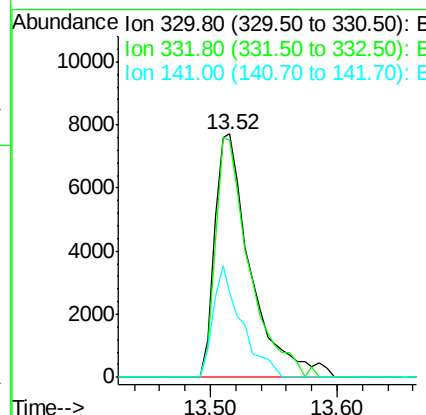
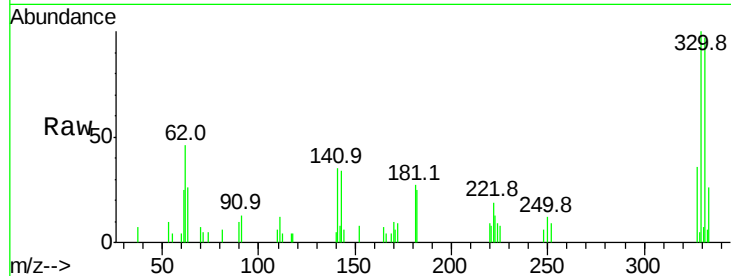
#41
2,4,6-Tribromophenol
Concen: 14.70 ng
RT: 13.52 min Scan# 2028
Delta R.T. -0.04 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.8	76.6	115.0	
141	36.4	31.4	47.2	

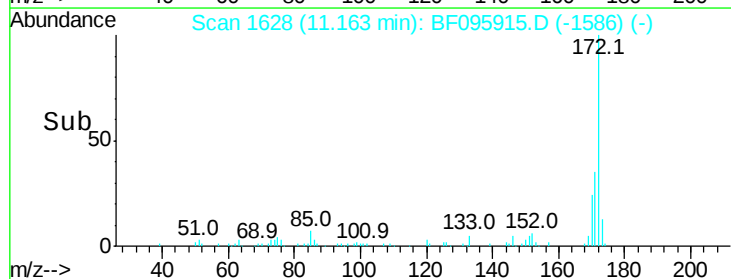
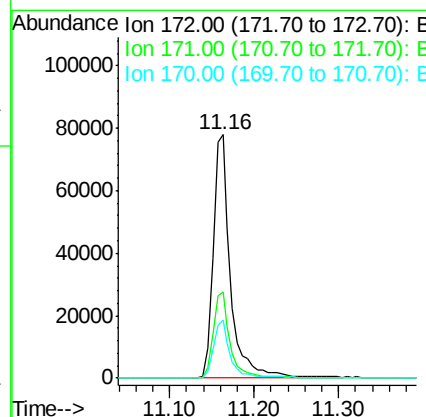
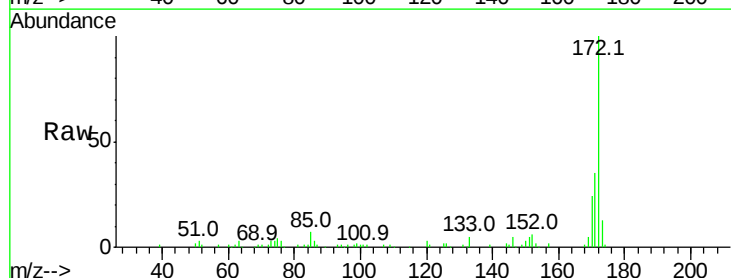
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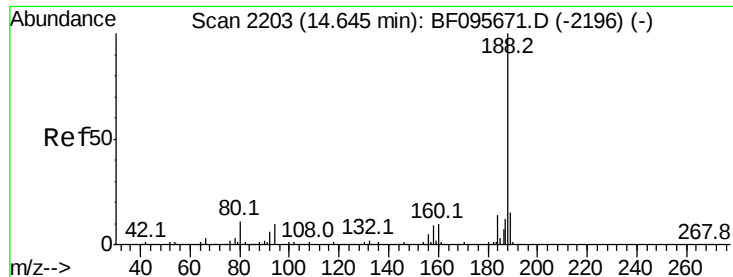
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#44
2-Fluorobiphenyl
Concen: 13.38 ng
RT: 11.16 min Scan# 1628
Delta R.T. -0.05 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	29.6	44.4	
170	23.9	19.8	29.8	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.60 min Scan# 2212

Delta R.T. -0.05 min

Lab File: BF095915.D

Acq: 14 Jun 2017 2:44

Instrument :

BNA_F

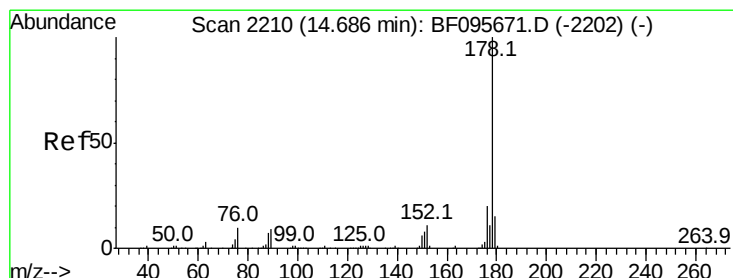
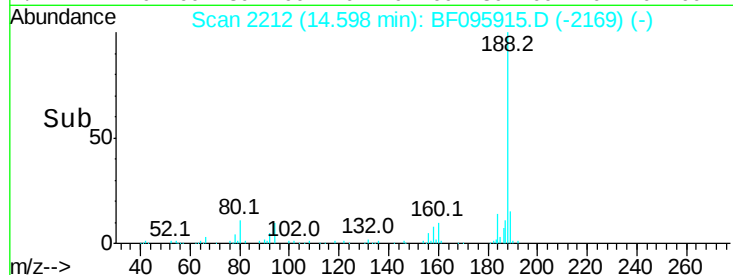
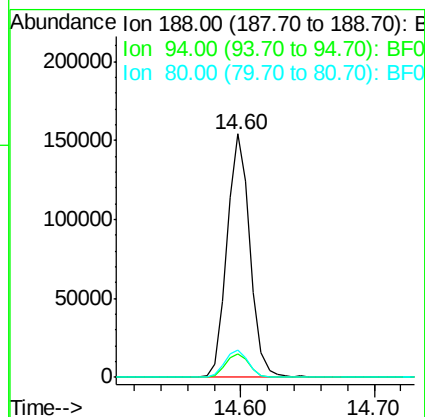
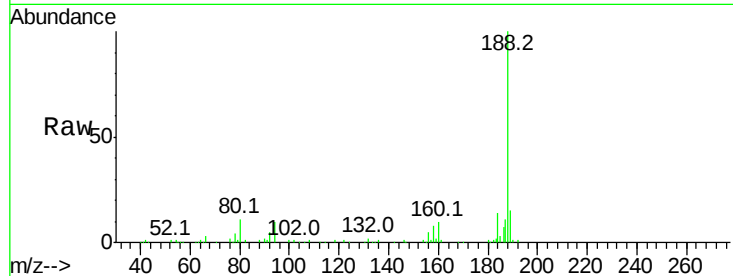
ClientSampleId :

CL-02-061217-C

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	9.4	14.2
80	11.2	10.2	15.2

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#70

Phenanthrene

Concen: 26.06 ng

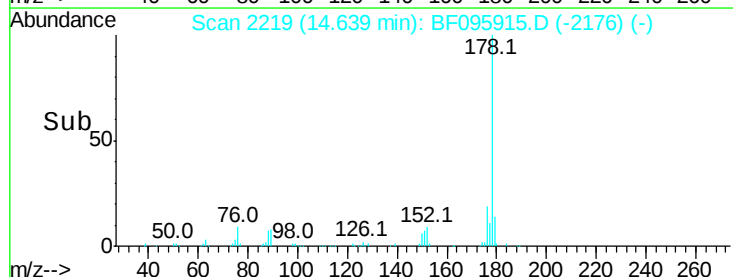
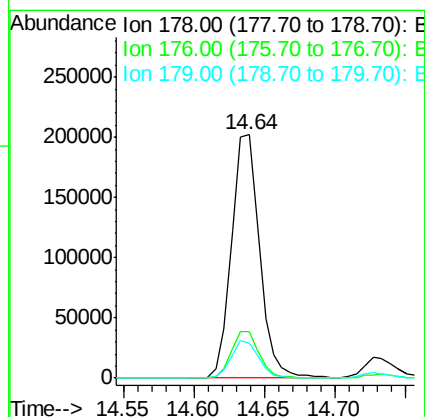
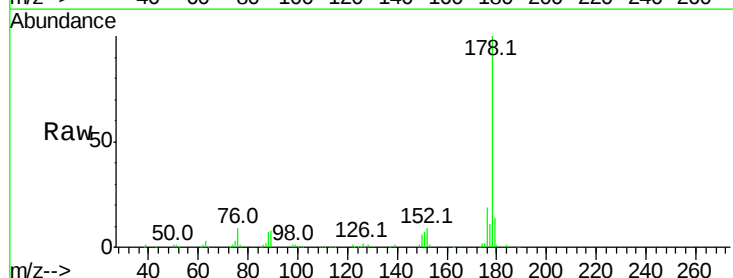
RT: 14.64 min Scan# 2219

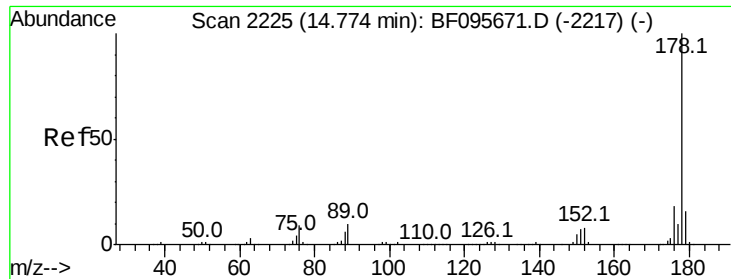
Delta R.T. -0.05 min

Lab File: BF095915.D

Acq: 14 Jun 2017 2:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.0	16.2	24.4
179	14.4	12.6	19.0





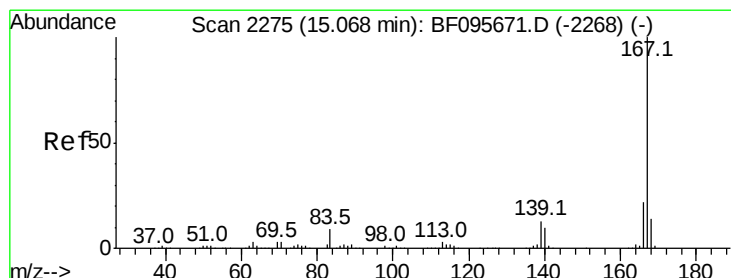
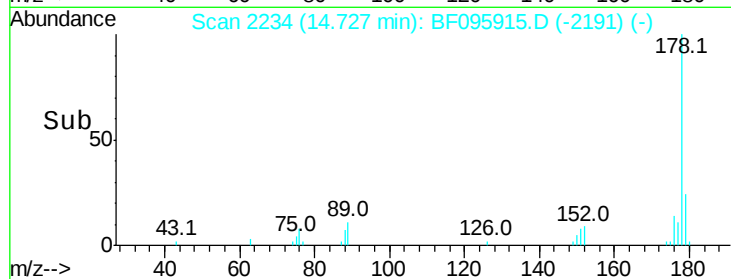
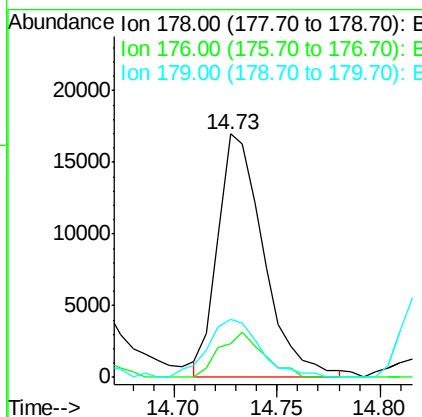
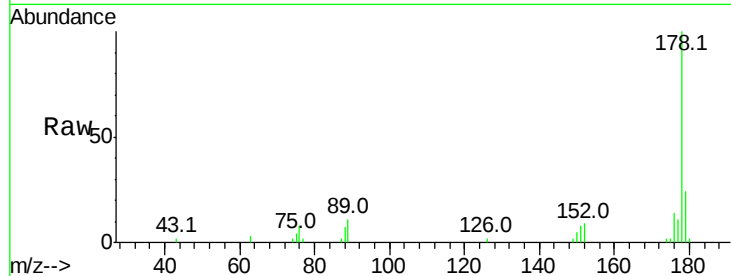
#71
 Anthracene
 Concen: 2.34 ng/ml
 RT: 14.73 min Scan# 2234
 Delta R.T. -0.05 min
 Lab File: BF095915.D
 Acq: 14 Jun 2017 2:44

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-061217-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	13.9	15.8	23.8#
179	24.1	12.7	19.1#

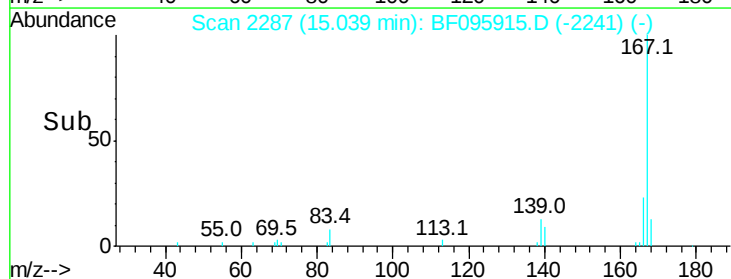
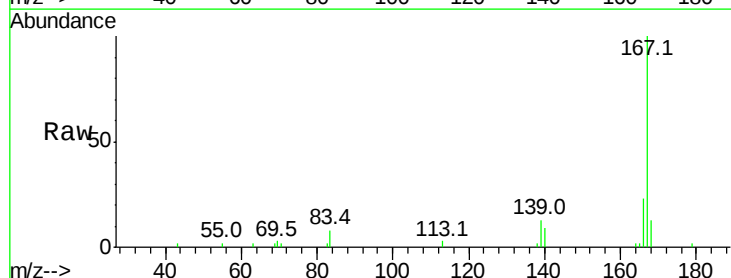
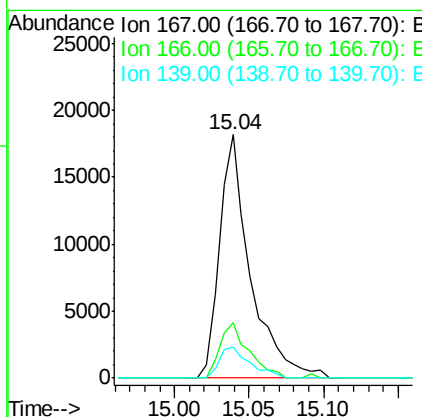
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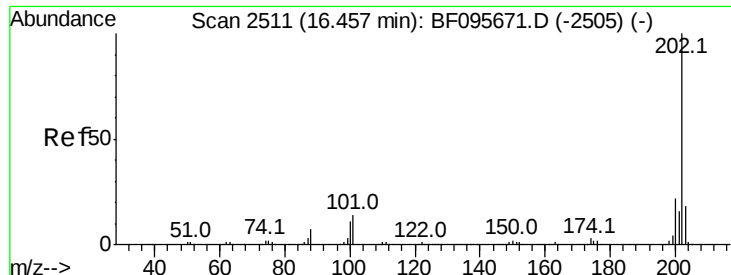
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#72
 Carbazole
 Concen: 2.39 ng/ml
 RT: 15.04 min Scan# 2287
 Delta R.T. -0.03 min
 Lab File: BF095915.D
 Acq: 14 Jun 2017 2:44

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.1	27.1
139	13.0	11.7	17.5





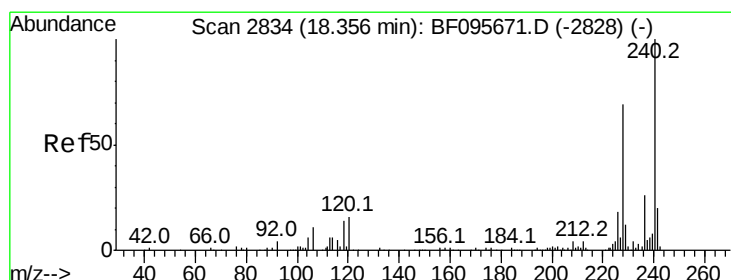
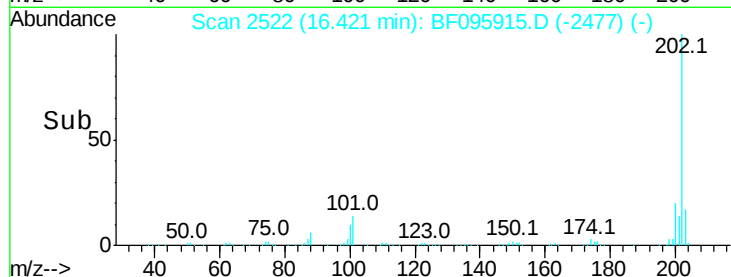
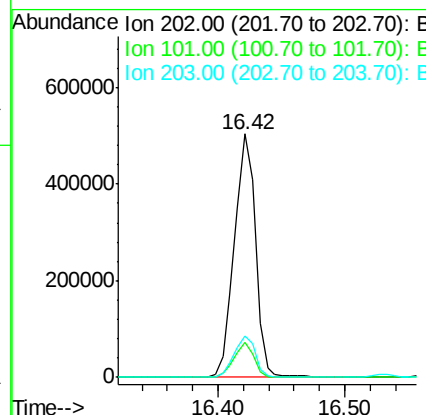
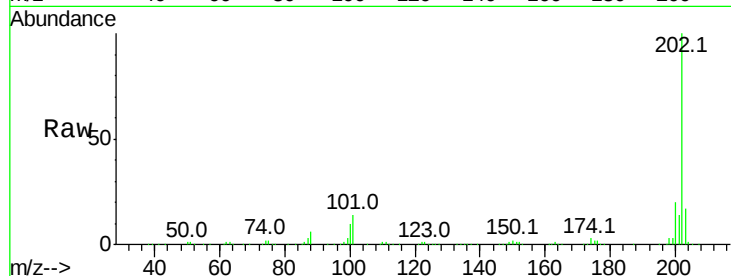
#74
Fluoranthene
Concen: 53.99 ng
RT: 16.42 min Scan# 2522
Delta R.T. -0.04 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.2	0.0	33.2
203	16.8	0.0	38.1

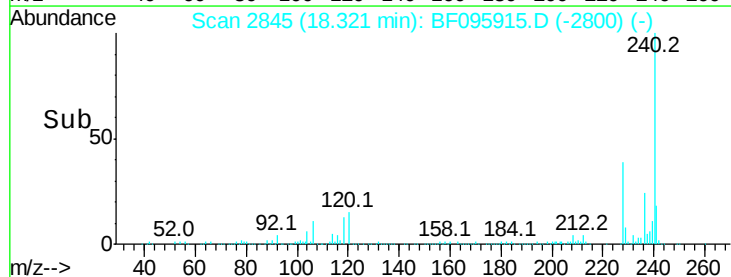
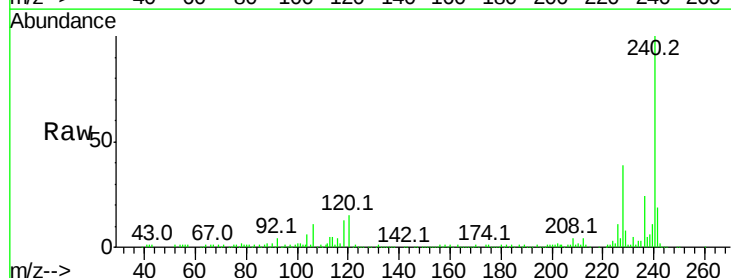
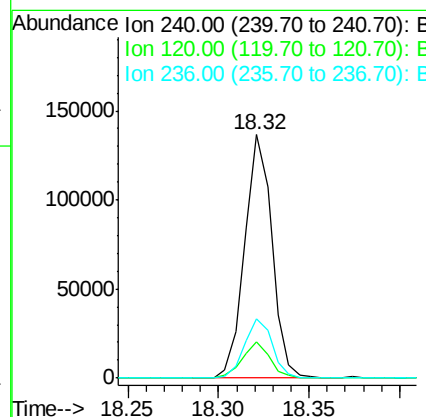
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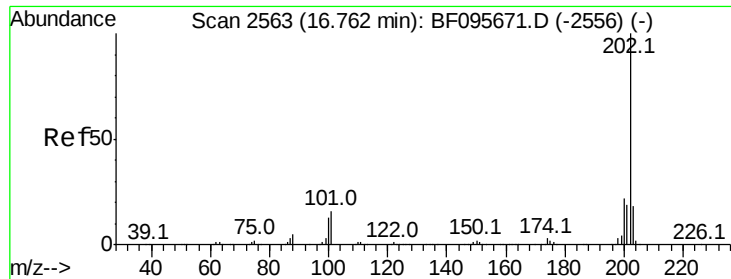
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.32 min Scan# 2845
Delta R.T. -0.04 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.9	5.8	8.8#
236	24.4	20.5	30.7





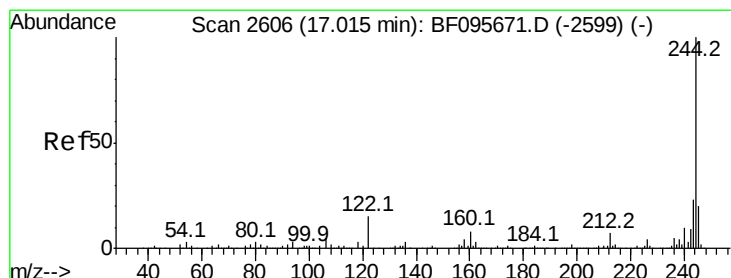
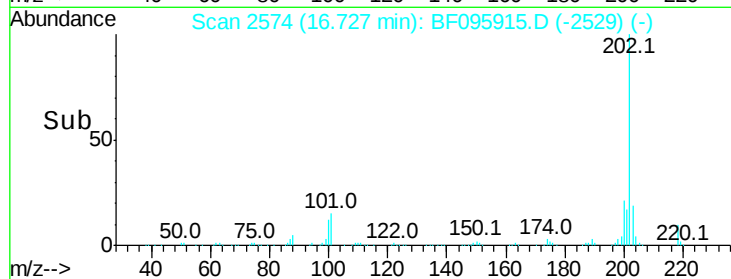
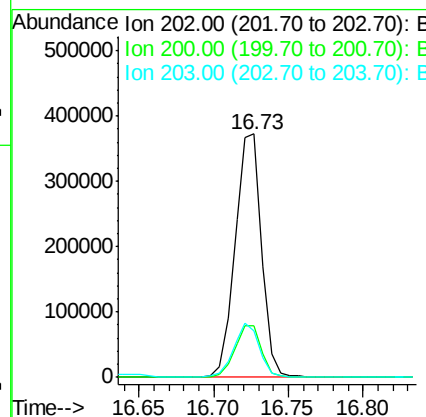
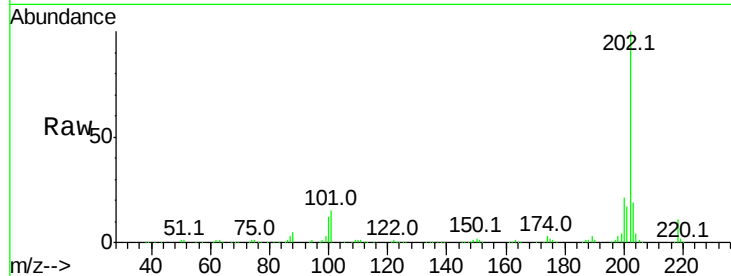
#77
Pvrene
Concen: 43.31 ng
RT: 16.73 min Scan# 2574
Delta R.T. -0.04 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-C

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	19.2	14.4	21.6

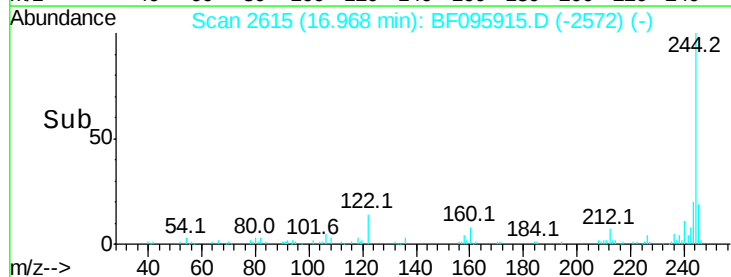
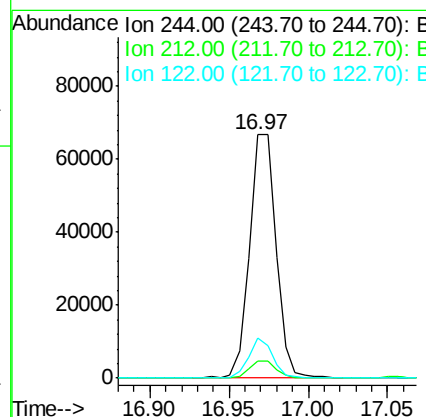
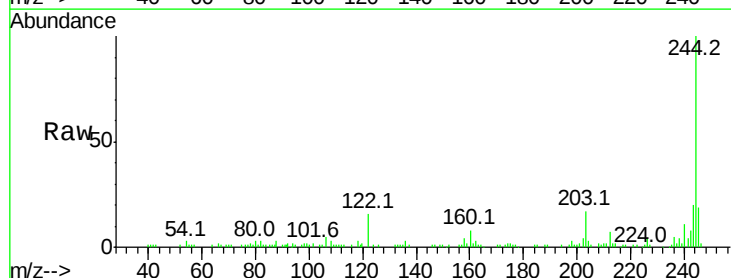
Manual Integrations
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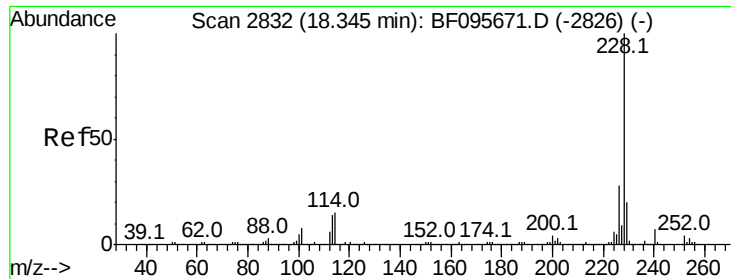
mohammad
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#78
Terphenyl-d14
Concen: 13.43 ng
RT: 16.97 min Scan# 2615
Delta R.T. -0.05 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	16.3	10.3	15.5#





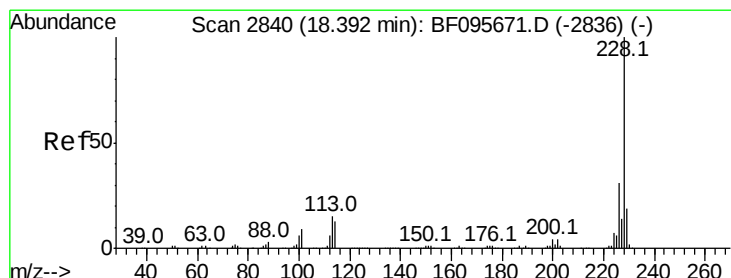
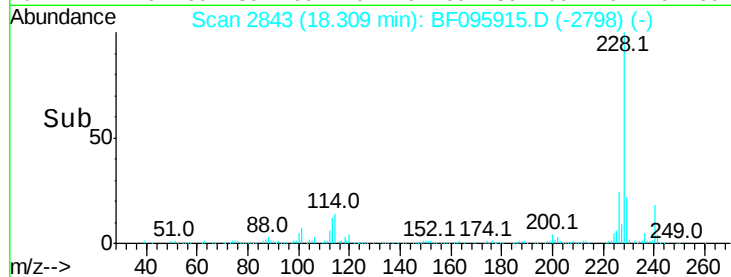
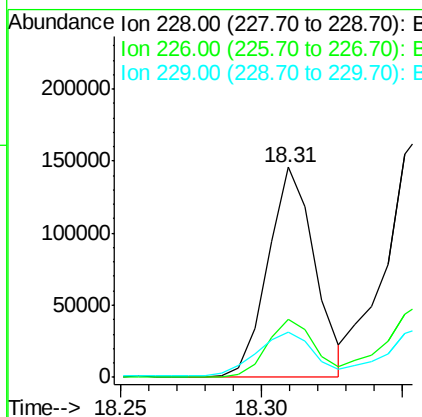
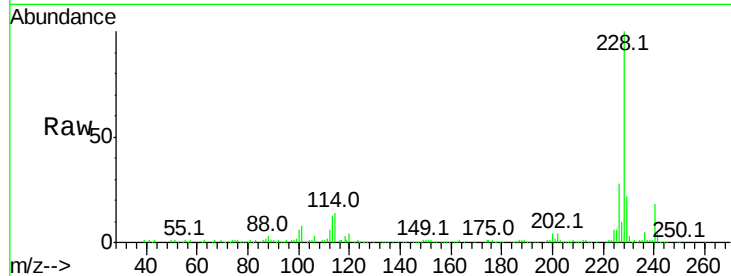
#80
Benzo(a)anthracene
Concen: 20.06 ng
RT: 18.31 min Scan# 2843
Delta R.T. -0.04 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	21.7	16.3	24.5

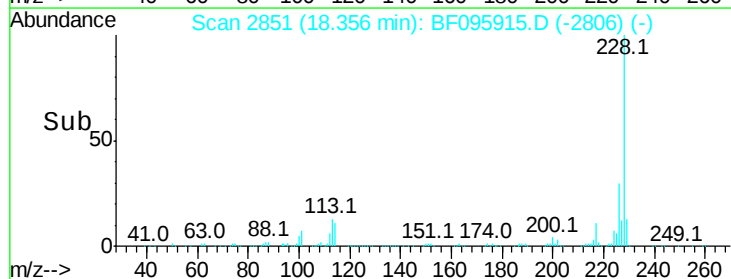
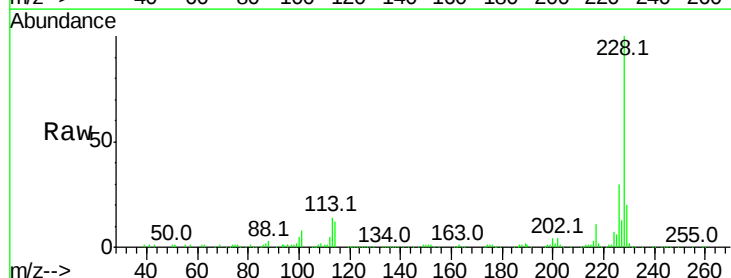
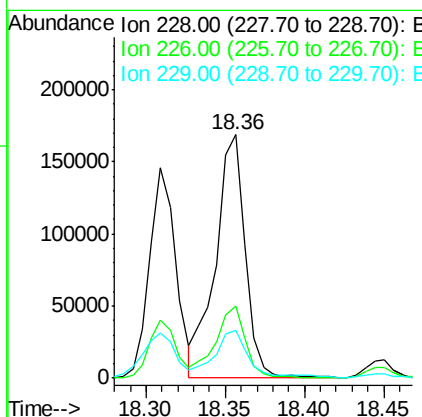
Manual Integrations
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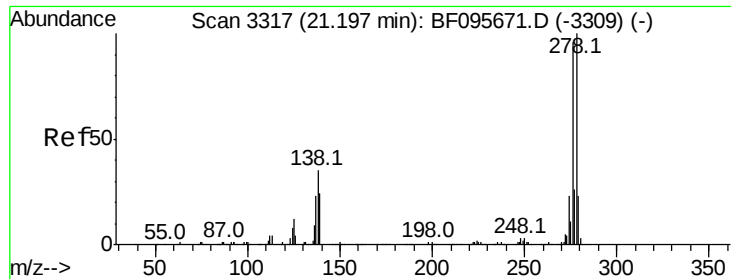
mohammad
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#82
Chrysene
Concen: 26.26 ng
RT: 18.36 min Scan# 2851
Delta R.T. -0.04 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	19.6	15.8	23.6





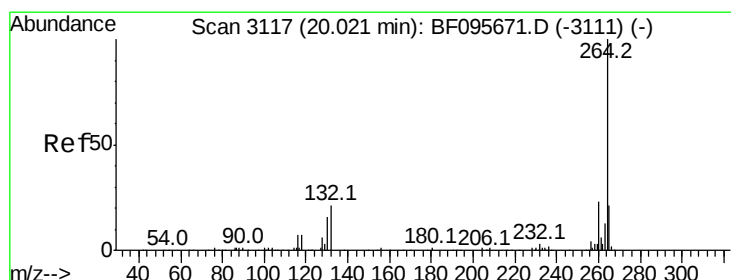
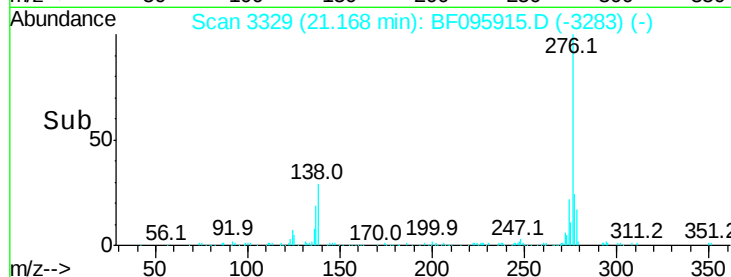
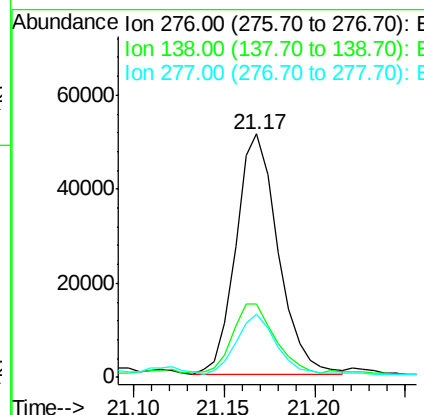
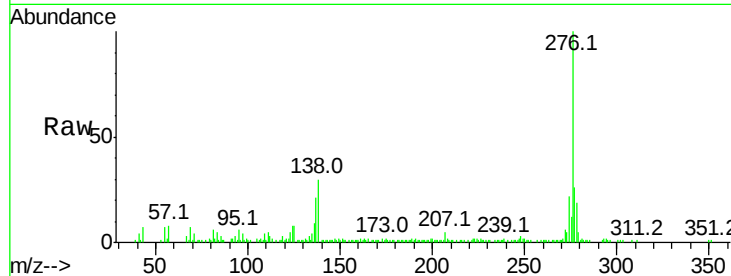
#85
Indeno(1,2,3-cd)pyrene
Concen: 11.56 ng
RT: 21.17 min Scan# 3329
Delta R.T. -0.03 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-C

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	30.1	27.8	41.6	
277	24.6	20.2	30.4	

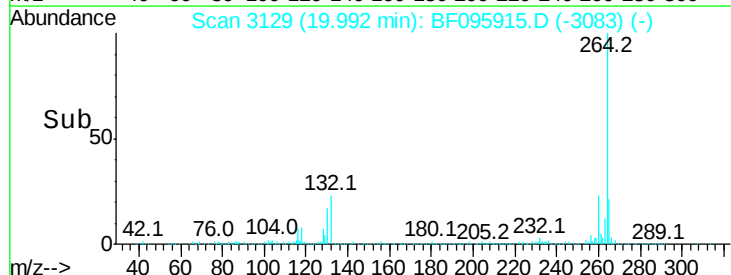
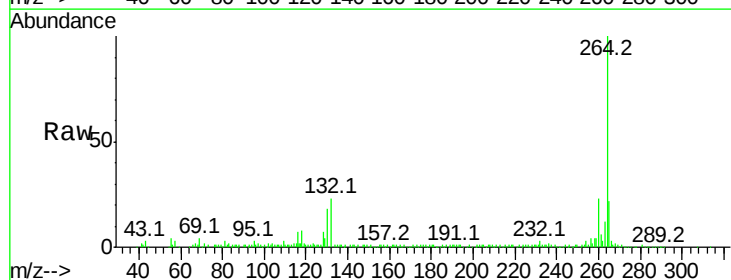
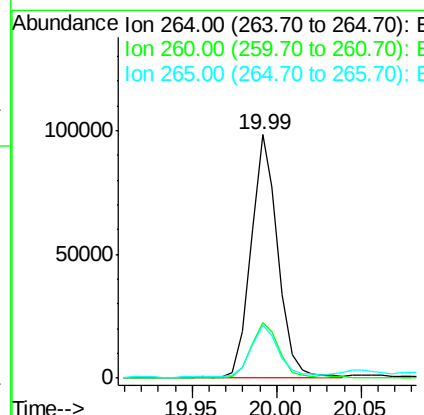
Manual Integrations
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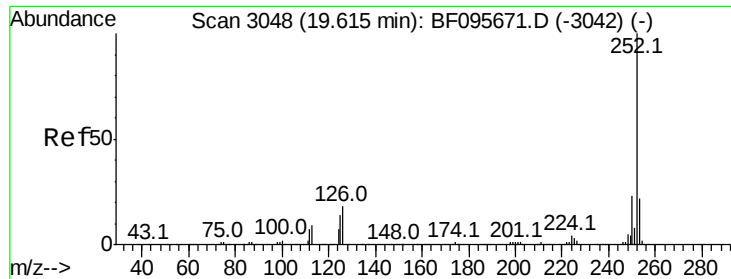
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 19.99 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	22.7	19.5	29.3	
265	21.7	17.2	25.8	





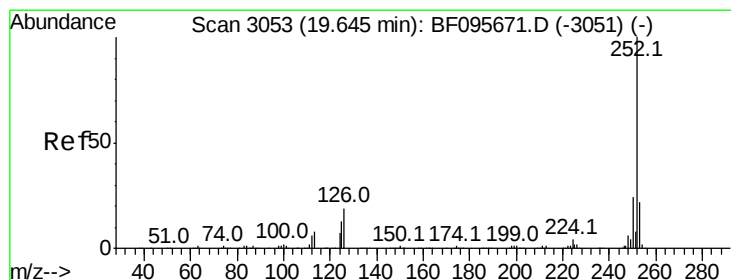
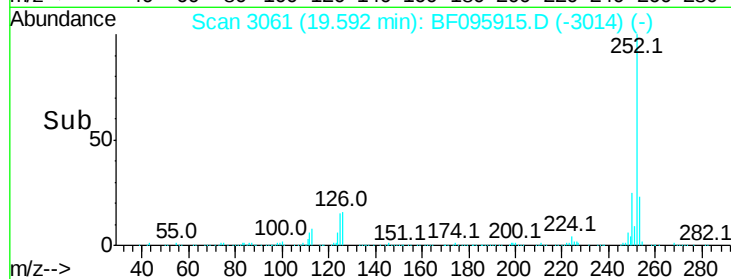
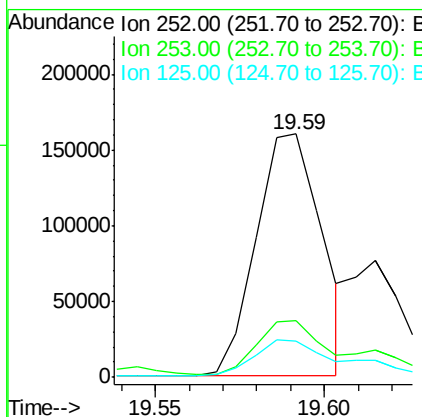
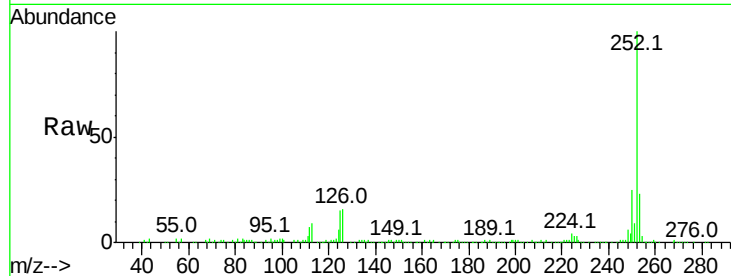
#87
Benzo(b)fluoranthene
Concen: 31.42 ng m
RT: 19.59 min Scan# 3061
Delta R.T. -0.02 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	15.1	9.8	14.8

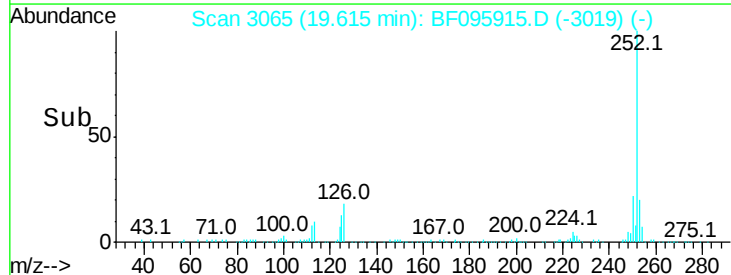
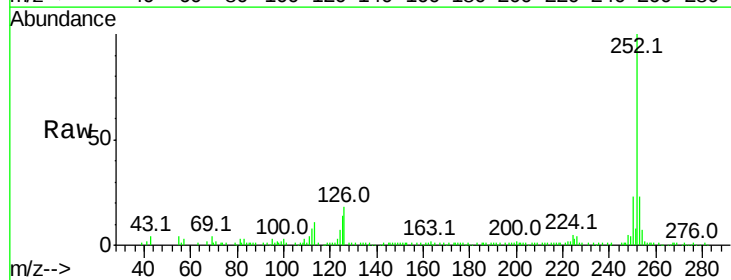
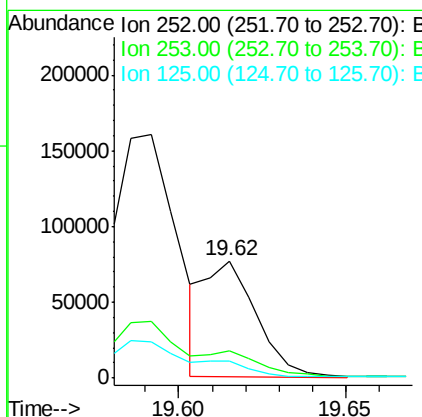
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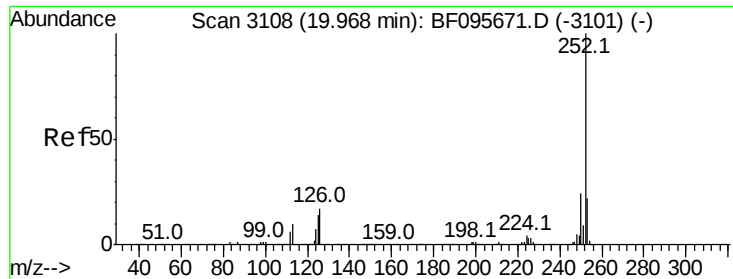
mohammad
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#88
Benzo(k)fluoranthene
Concen: 12.32 ng m
RT: 19.62 min Scan# 3065
Delta R.T. -0.03 min
Lab File: BF095915.D
Acq: 14 Jun 2017 2:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	14.2	13.1	19.7





#89

Benzo(a)pyrene

Concen: 21.05 ng

RT: 19.94 min Scan# 3120

Delta R.T. -0.03 min

Lab File: BF095915.D

Acq: 14 Jun 2017 2:44

Instrument :

BNA_F

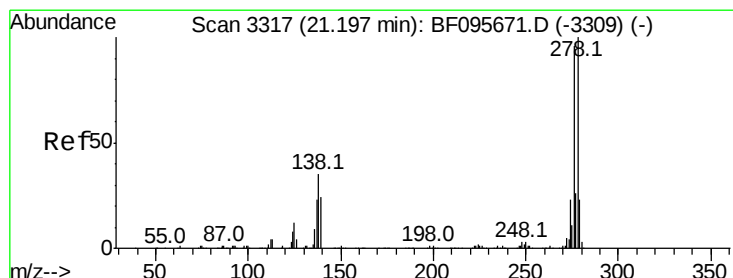
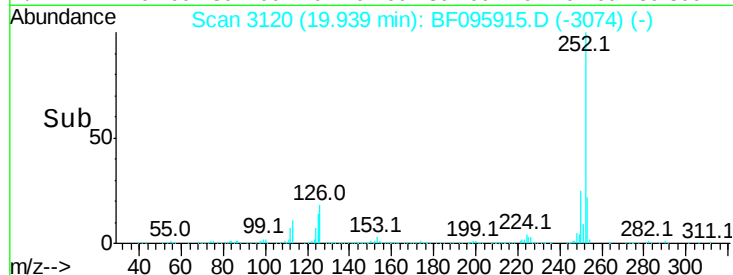
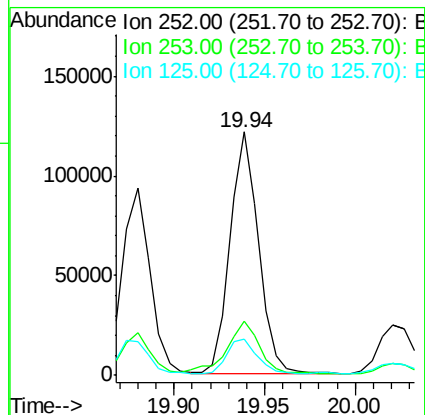
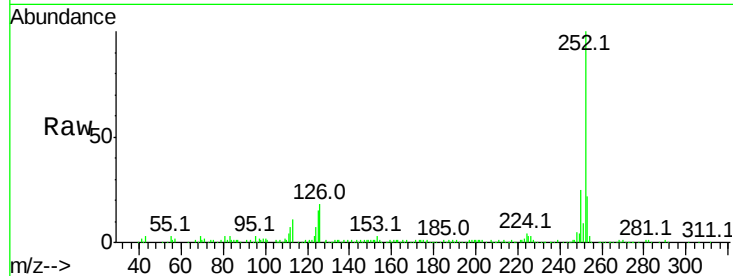
ClientSampleId :

CL-02-061217-C

Tot Ion:	252	Resp:	132802
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.5	26.3
125	15.1	11.0	16.4

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 4.45 ng

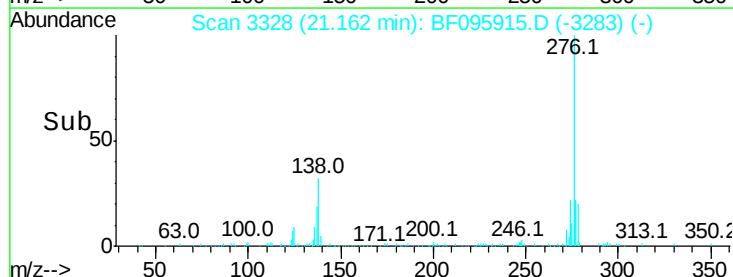
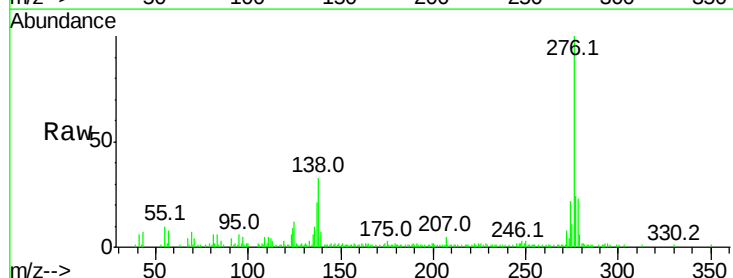
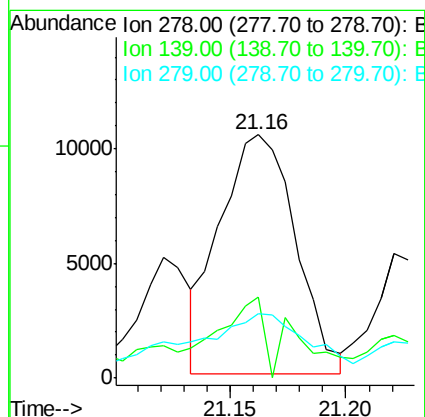
RT: 21.16 min Scan# 3328

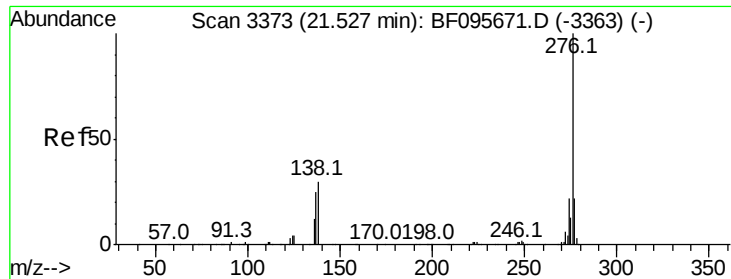
Delta R.T. -0.04 min

Lab File: BF095915.D

Acq: 14 Jun 2017 2:44

Tgt Ion:	278	Resp:	23801
Ion Ratio	Lower	Upper	
278	100		
139	33.3	16.6	24.8#
279	26.4	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 14.20 ng
 RT: 21.50 min Scan# 3386
 Delta R.T. -0.02 min
 Lab File: BF095915.D
 Acq: 14 Jun 2017 2:44

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-061217-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	29.3	25.4	38.0

Manual Integrations
 APPROVED

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