

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
 Data File : BF099896.D
 Acq On : 28 Oct 2017 1:04
 Operator : SJ/JU
 Sample : I6029-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-116-6(0-5)

Manual Integrations
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Sohil
 10/30/2017 6:16:50 PM

Quant Time: Oct 28 02:06:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	89625	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	424945	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	169224	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	296030	20.00	ng	0.00
75) Chrysene-d12	13.99	240	166893	20.00	ng	0.00
86) Perylene-d12	15.46	264	178866	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	549331	96.23	ng	0.00
7) Phenol-d6	6.44	99	666293	98.43	ng	0.00
23) Nitrobenzene-d5	7.36	82	378096	57.28	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	143719	93.19	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	767084	69.94	ng	0.00
78) Terphenyl-d14	12.92	244	588859	77.11	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.45	94	35140	4.728	ng	96
31) Naphthalene	8.10	128	63952	3.118	ng	99
37) 2-Methylnaphthalene	8.79	142	138276	10.059	ng	97
49) Dimethylphthalate	9.55	163	138094	10.305	ng	100
51) Acenaphthene	9.87	154	70237	6.713	ng	96
54) Dibenzofuran	10.05	168	96409	6.528	ng	95
57) Fluorene	10.39	166	74643	6.104	ng	99
70) Phenanthrene	11.36	178	699480	41.869	ng	99
71) Anthracene	11.41	178	213559	12.593	ng	98
72) Carbazole	11.57	167	72566	4.550	ng	96
74) Fluoranthene	12.55	202	568035	32.718	ng	98
77) Pyrene	12.78	202	461854	36.394	ng	99
80) Benzo(a)anthracene	13.97	228	177228	16.751	ng	98
82) Chrysene	14.01	228	151701	15.252	ng	98
85) Indeno(1,2,3-cd)pyrene	16.95	276	77217	8.456	ng	99
87) Benzo(b)fluoranthene	15.03	252	162693m	14.405	ng	
88) Benzo(k)fluoranthene	15.06	252	69758m	6.550	ng	
89) Benzo(a)pyrene	15.40	252	130914	12.903	ng	# 96
90) Dibenzo(a,h)anthracene	16.95	278	18278m	2.027	ng	
91) Benzo(a,h,i)perylene	17.40	276	75240	8.531	ng	94

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

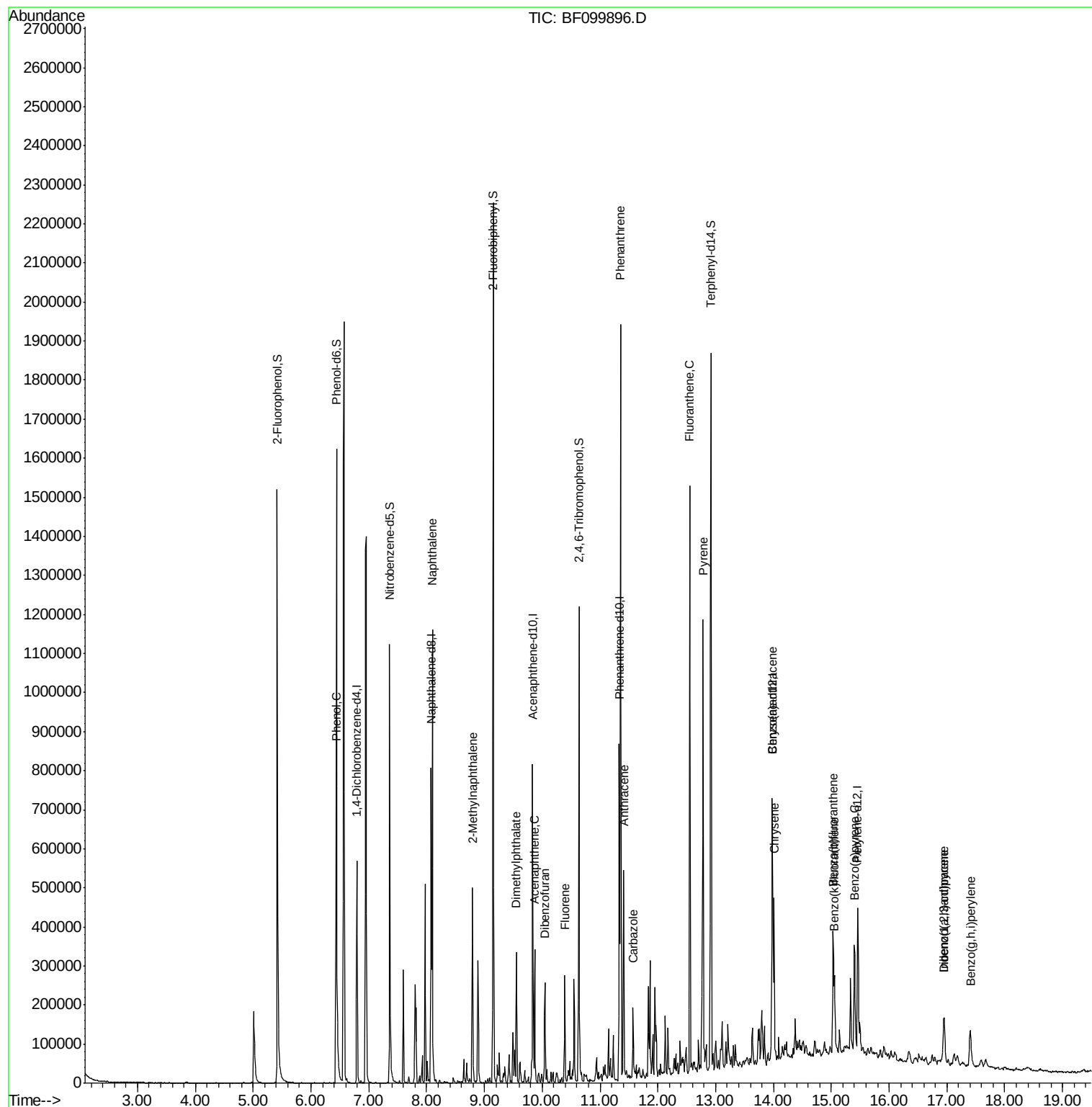
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099896.D
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ALS Vial : 12 Sample Multiplier: 1

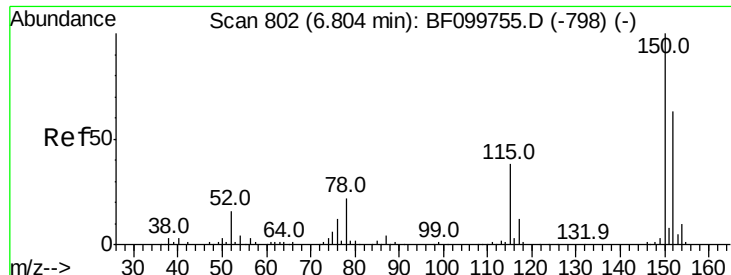
Instrument :
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ENV-116-6(0-5)

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#1

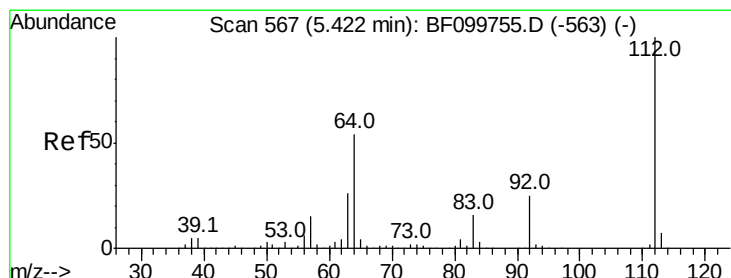
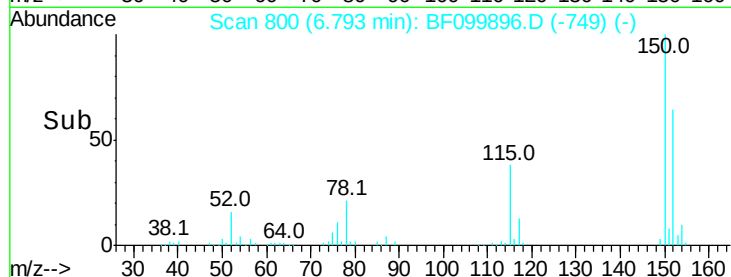
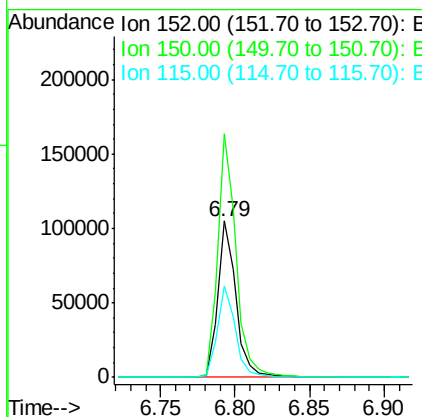
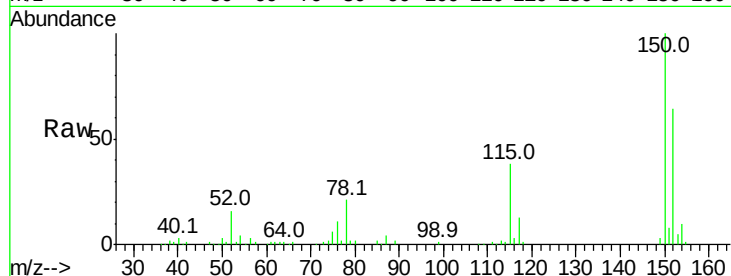
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Instrument :
BNA_F
ClientSampleId :
ENV-116-6(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	58.7	50.1	75.1

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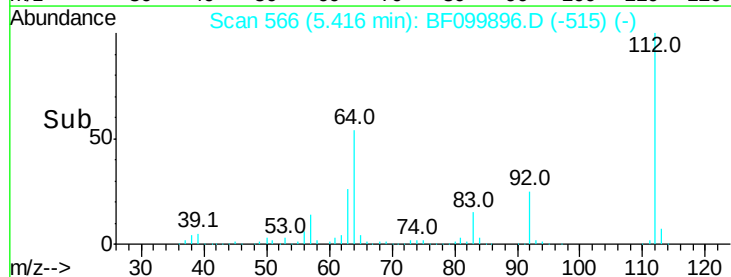
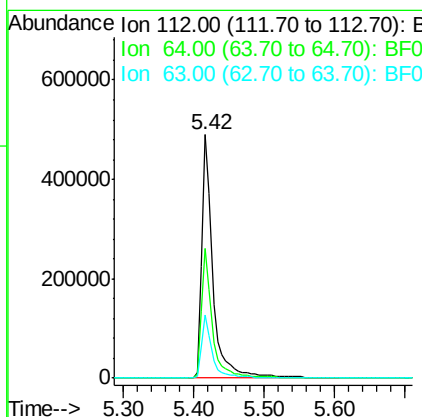
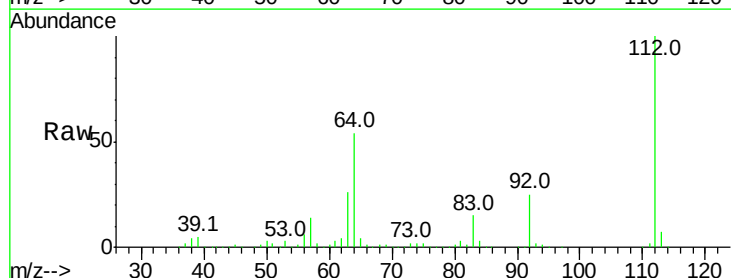
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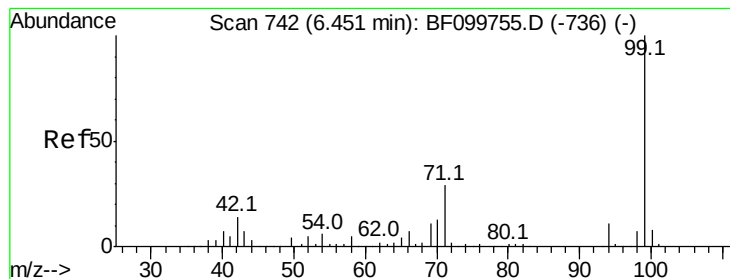


#5

2-Fluorophenol
Concen: 96.227 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	47.9	71.9
63	25.8	23.7	35.5





#7

Phenol-d6

Concen: 98.434 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF099896.D

Acq: 28 Oct 2017 1:04

Instrument :

BNA_F

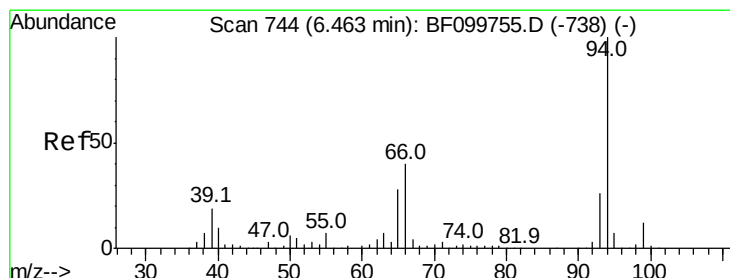
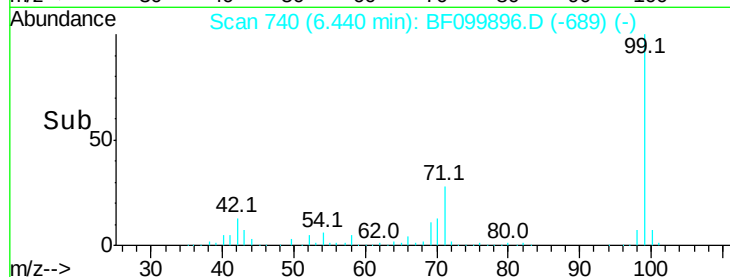
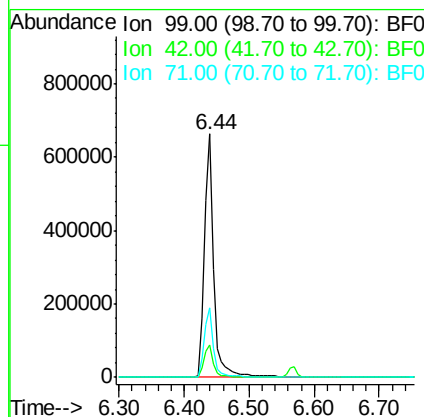
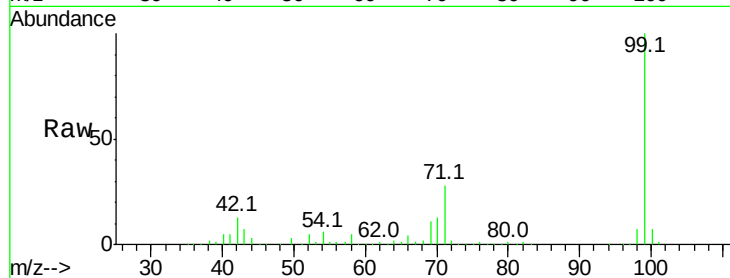
ClientSampleId :

ENV-116-6(0-5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		666293		
42	13.5	14.5	21.7#		
71	28.3	25.4	38.0		

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#10

Phenol

Concen: 4.728 ng

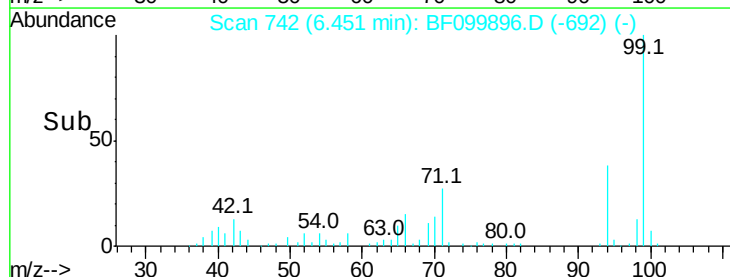
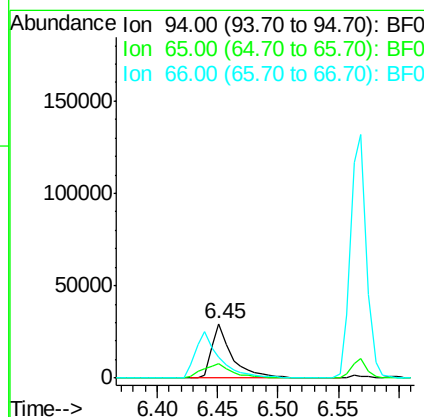
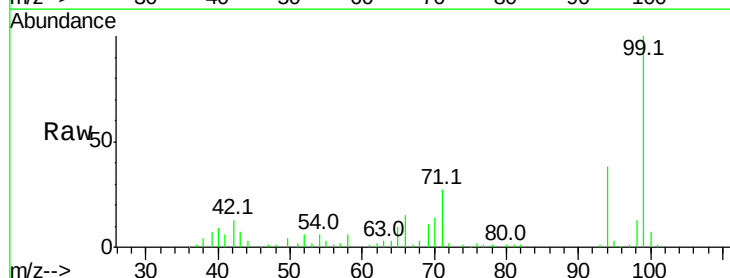
RT: 6.45 min Scan# 742

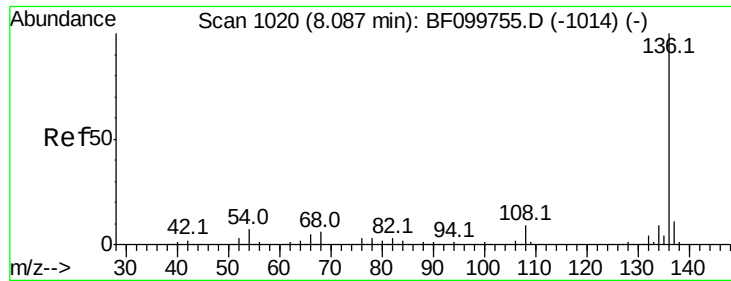
Delta R.T. -0.01 min

Lab File: BF099896.D

Acq: 28 Oct 2017 1:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		35140		
65	27.0	7.9	47.9		
66	39.5	16.2	56.2		





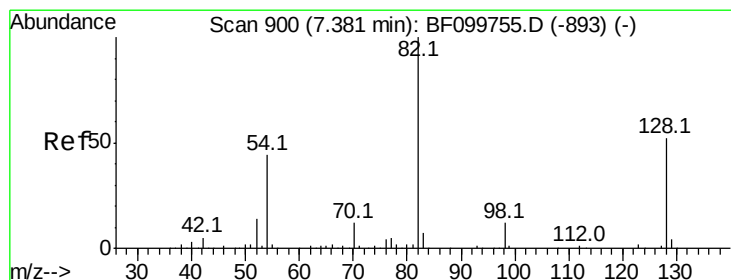
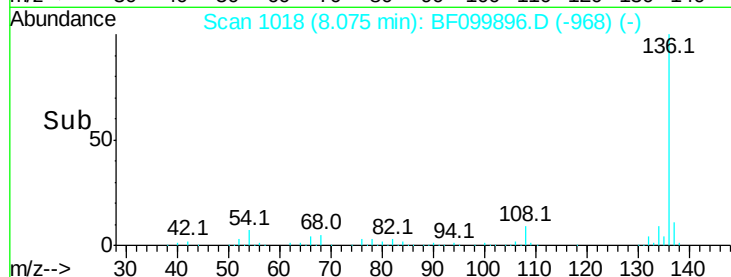
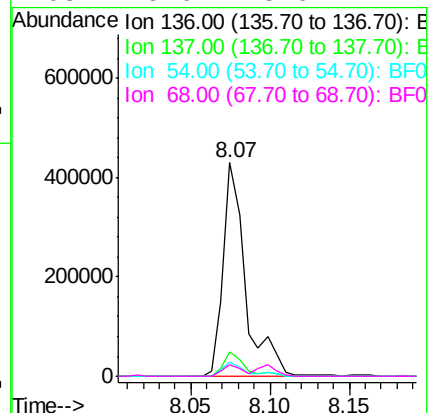
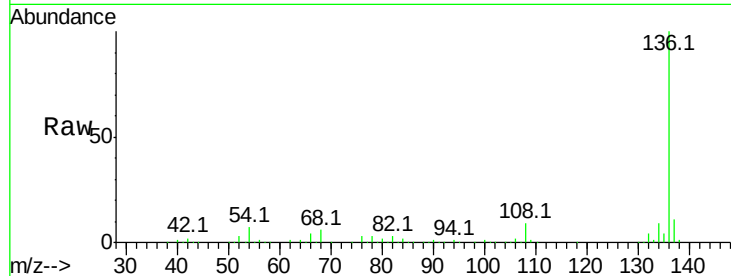
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Instrument :
BNA_F
ClientSampleId :
ENV-116-6(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	6.5	6.6	9.8	
68	5.6	5.0	7.4	

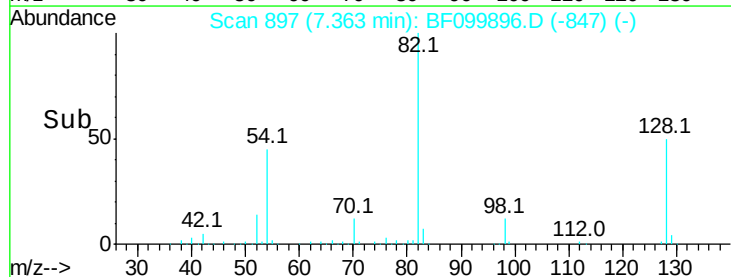
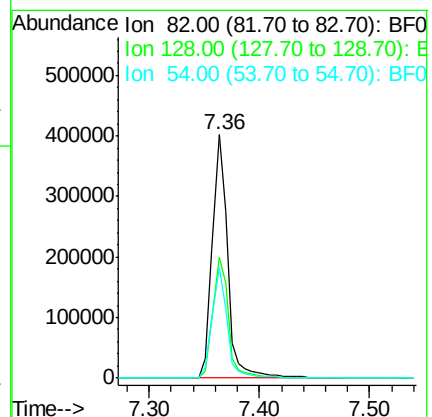
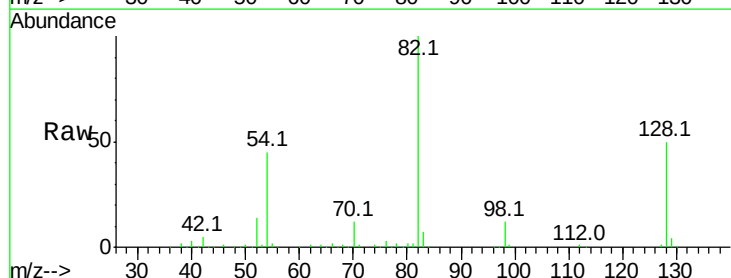
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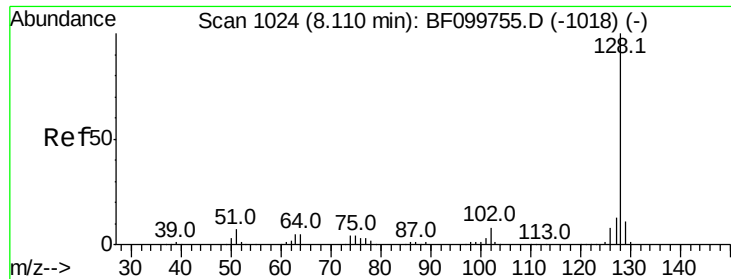
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#23
Nitrobenzene-d5
Concen: 57.283 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.6	36.1	54.1	
54	45.1	41.4	62.2	





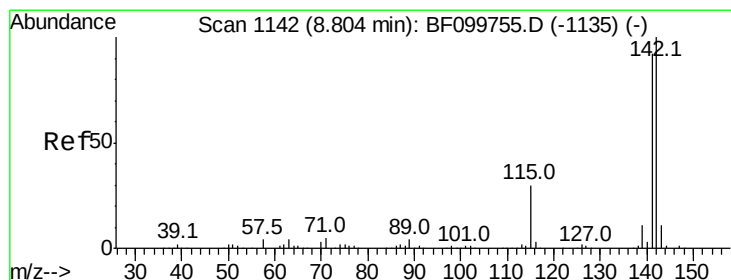
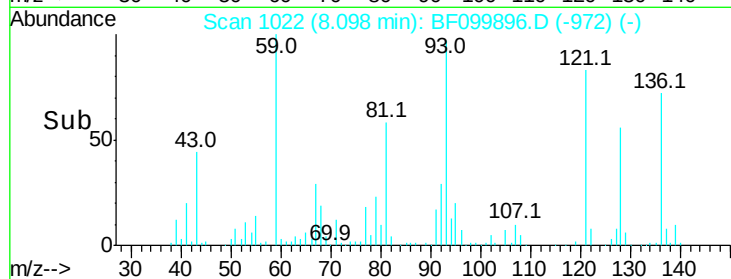
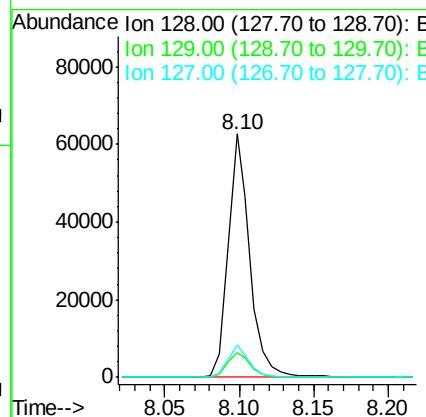
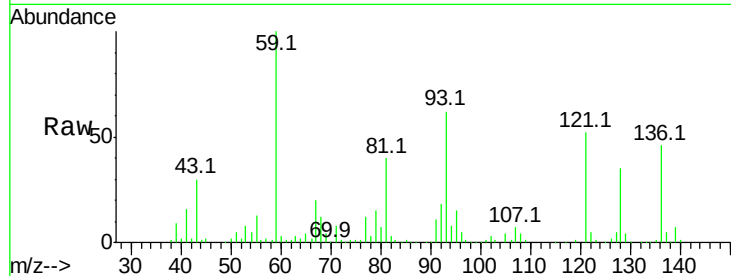
#31
Naphthalene
Concen: 3.118 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Instrument :
BNA_F
ClientSampleId :
ENV-116-6(0-5)

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	13.5	10.9	16.3

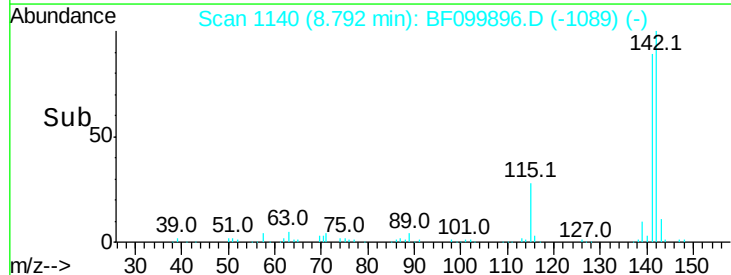
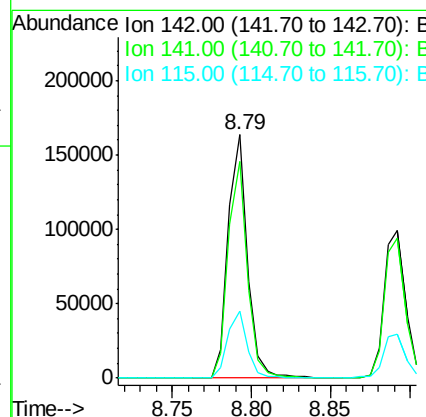
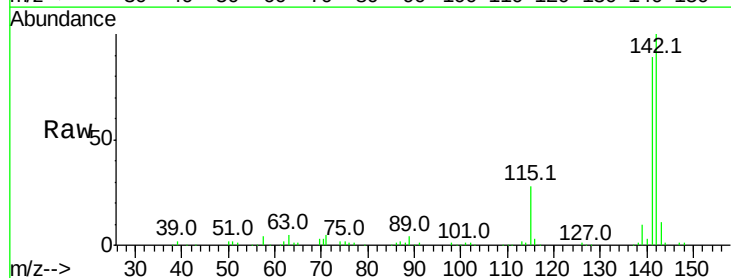
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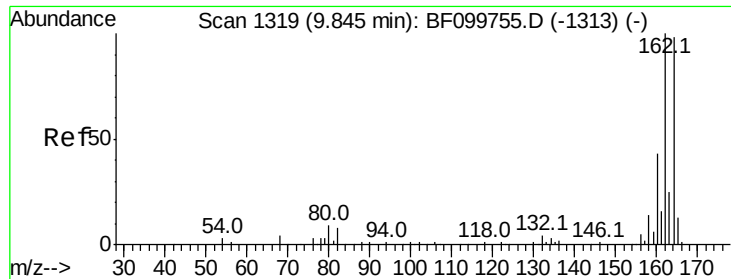
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#37
2-Methylnaphthalene
Concen: 10.059 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.8	106.2
115	27.7	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF099896.D

Acq: 28 Oct 2017 1:04

Instrument :

BNA_F

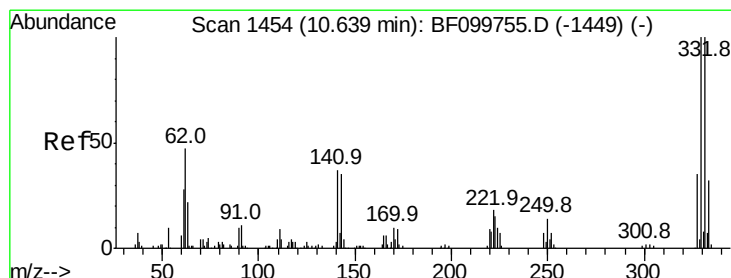
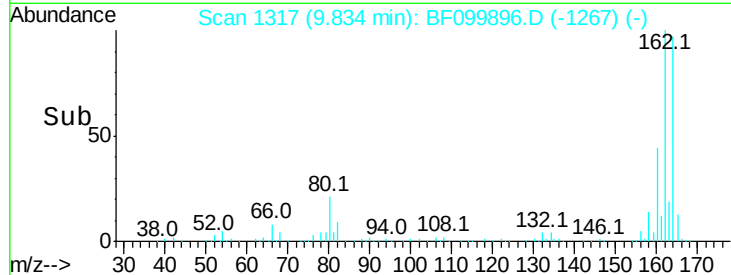
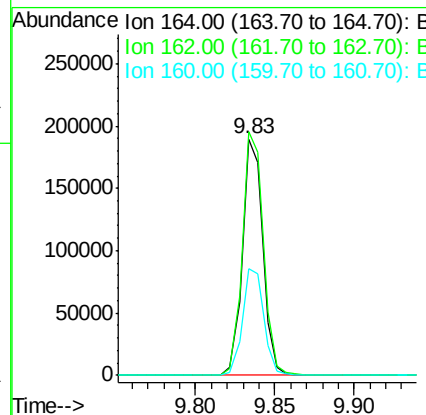
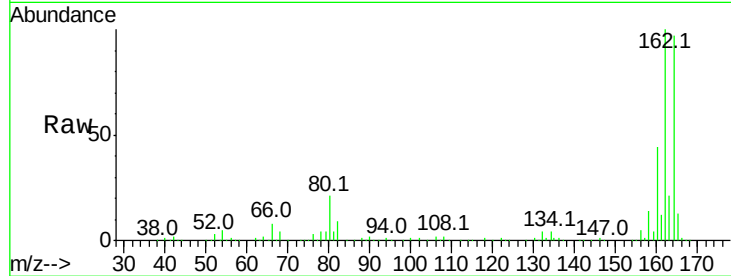
ClientSampleId :

ENV-116-6(0-5)

Tot Ion:	164	Resp:	169224
Ion Ratio	Lower	Upper	
164	100		
162	103.0	86.1	129.1
160	44.9	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 93.193 ng

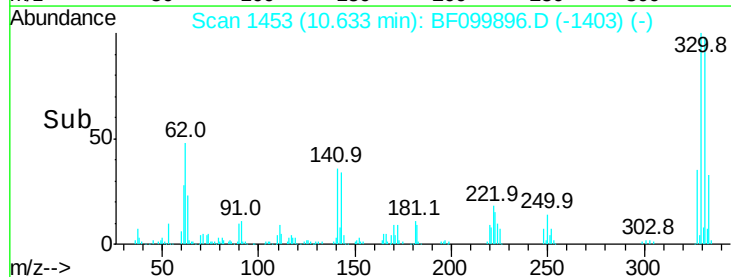
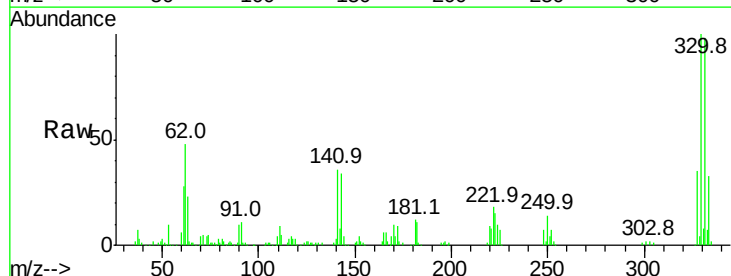
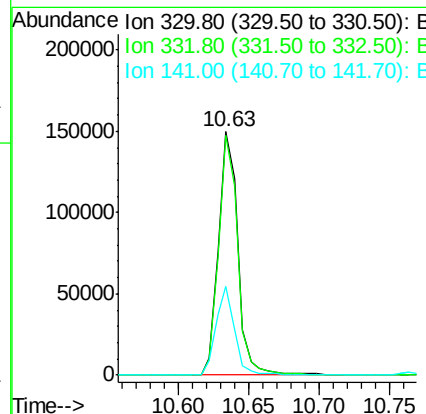
RT: 10.63 min Scan# 1453

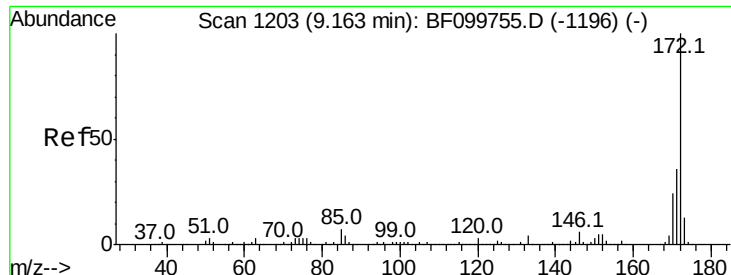
Delta R.T. -0.01 min

Lab File: BF099896.D

Acq: 28 Oct 2017 1:04

Tgt Ion:	330	Resp:	143719
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.0	115.6
141	35.0	29.9	44.9





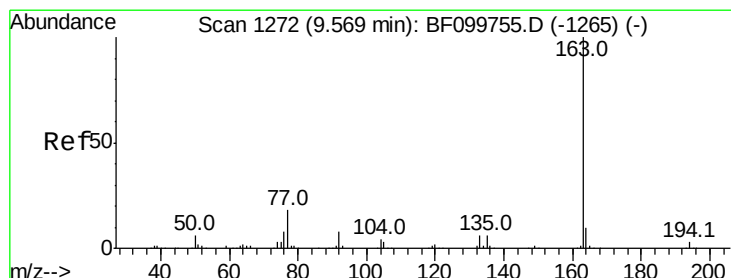
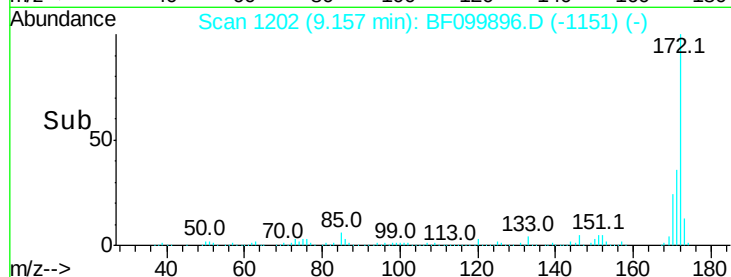
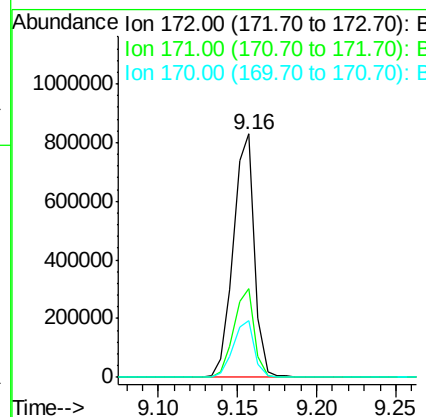
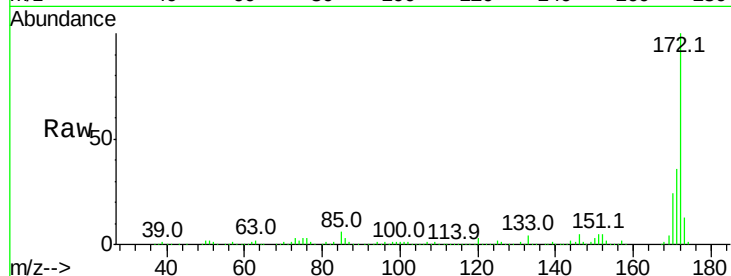
#44
2-Fluorobiphenyl
Concen: 69.936 ng
RT: 9.16 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Instrument :
BNA_F
ClientSampleId :
ENV-116-6(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	767084		
171	36.3		29.7	44.5
170	23.5		19.6	29.4

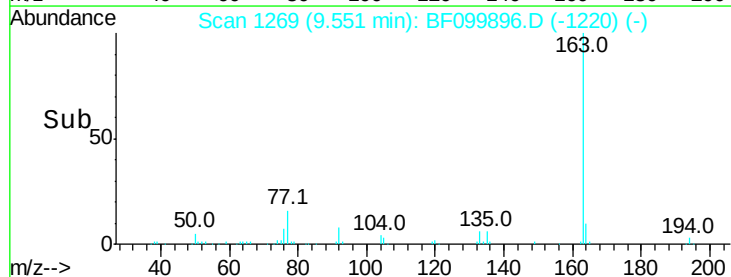
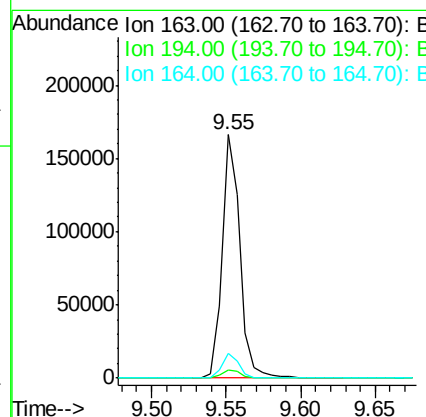
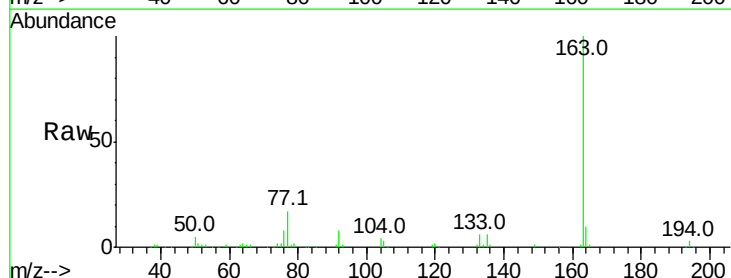
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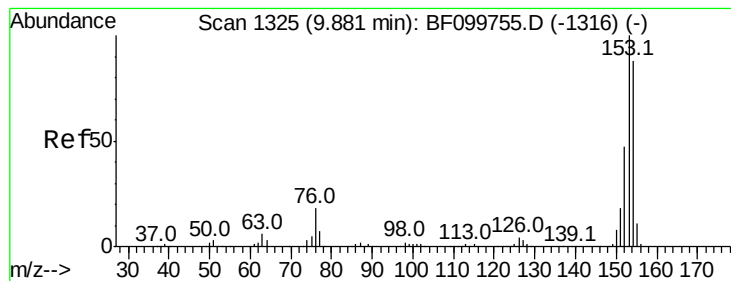
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#49
Dimethylphthalate
Concen: 10.305 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	138094		
194	3.4		2.7	4.1
164	10.0		8.2	12.2





#51

Acenaphthene

Concen: 6.713 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF099896.D

Acq: 28 Oct 2017 1:04

Instrument :

BNA_F

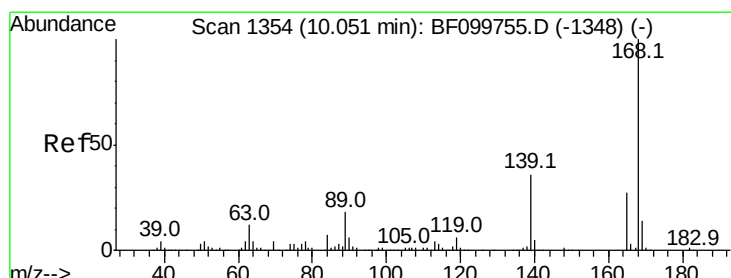
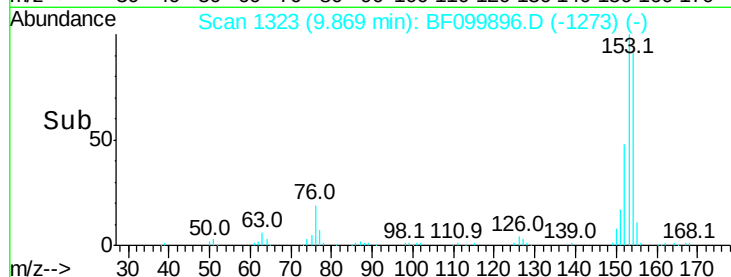
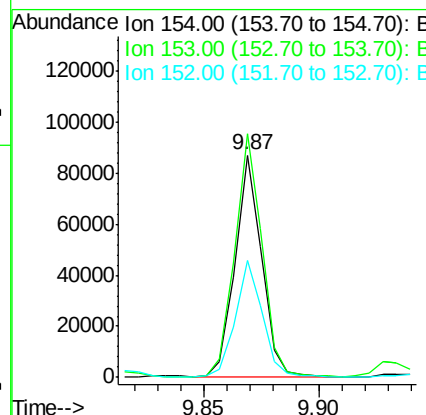
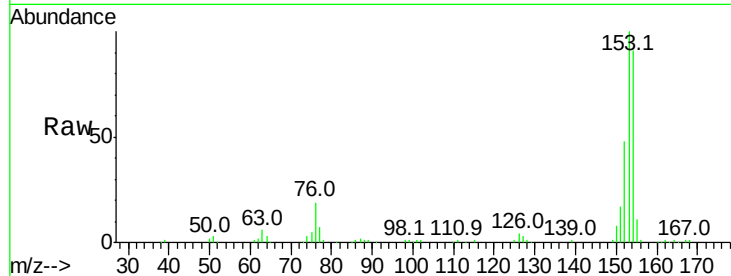
ClientSampleId :

ENV-116-6(0-5)

Tot Ion:154	Resp:	70237
Ion Ratio	Lower	Upper
154	100	
153	109.7	91.2 136.8
152	52.9	43.8 65.8

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#54

Dibenzofuran

Concen: 6.528 ng

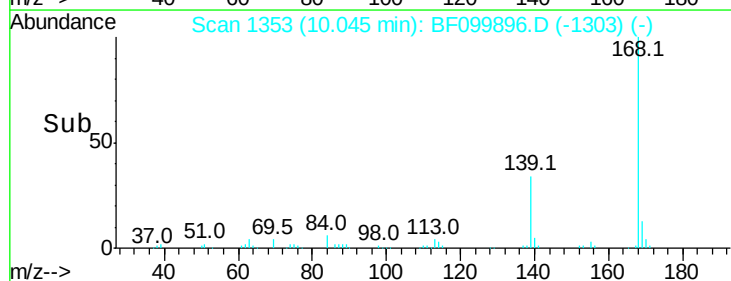
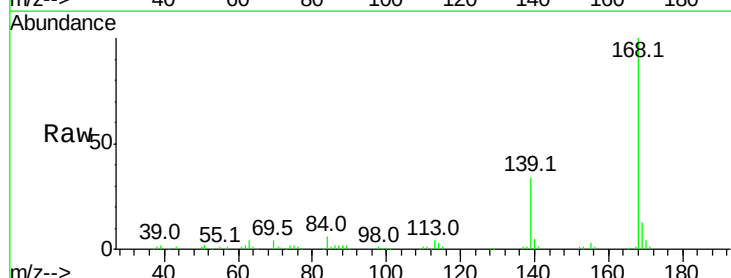
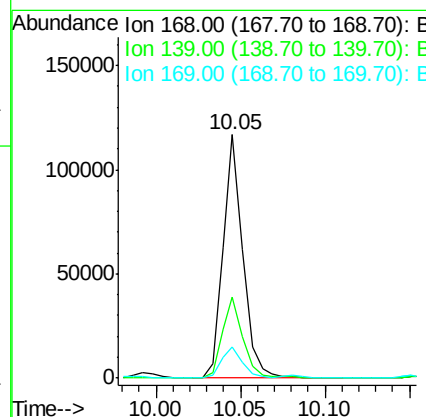
RT: 10.05 min Scan# 1353

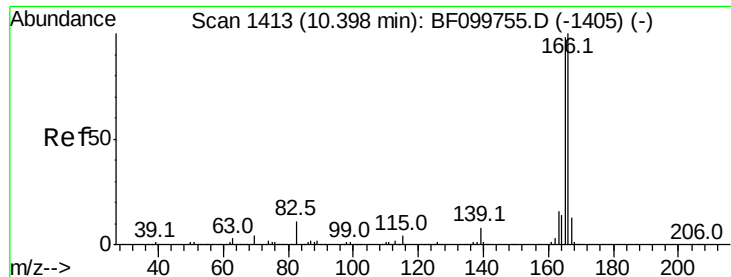
Delta R.T. -0.01 min

Lab File: BF099896.D

Acq: 28 Oct 2017 1:04

Tgt Ion:168	Resp:	96409
Ion Ratio	Lower	Upper
168	100	
139	33.6	30.1 45.1
169	13.0	10.9 16.3





#57

Fluorene

Concen: 6.104 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF099896.D

Acq: 28 Oct 2017 1:04

Instrument :

BNA_F

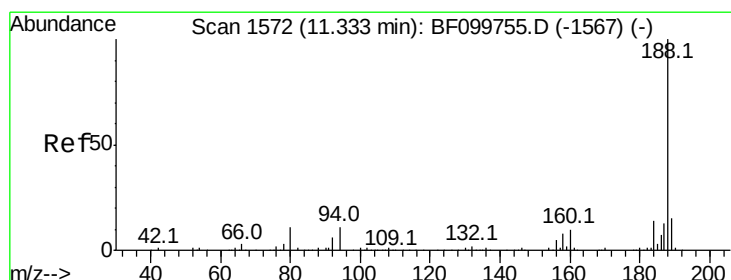
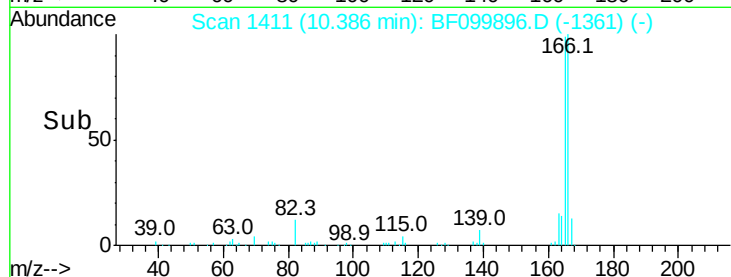
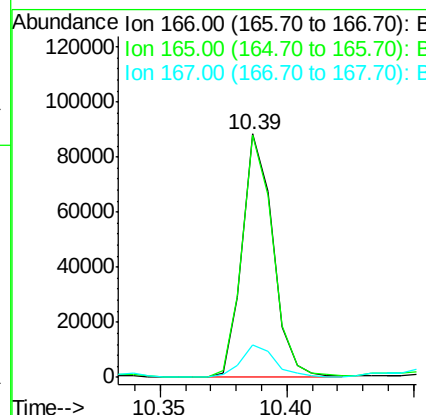
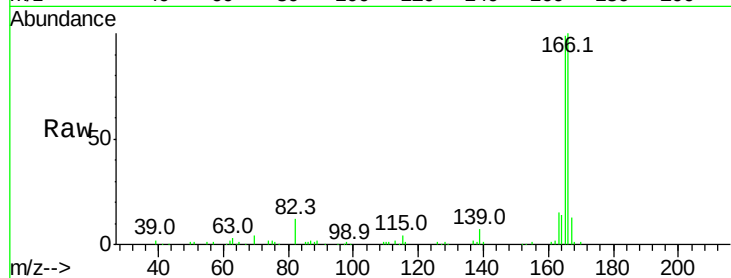
ClientSampleId :

ENV-116-6(0-5)

Tot Ion:	166	Resp:	74643
Ion Ratio	Lower	Upper	
166	100		
165	99.3	79.8	119.8
167	13.4	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

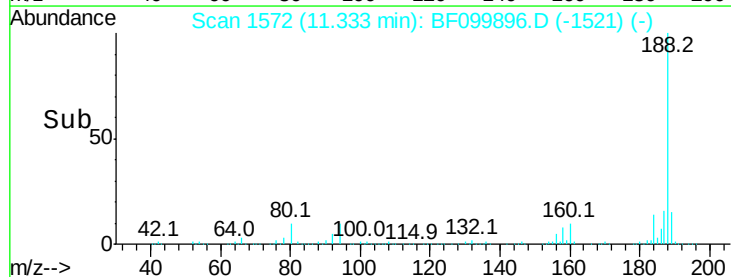
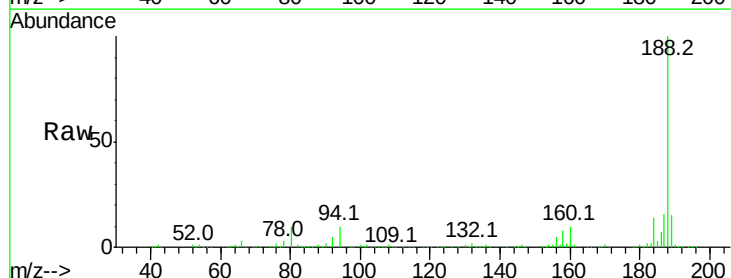
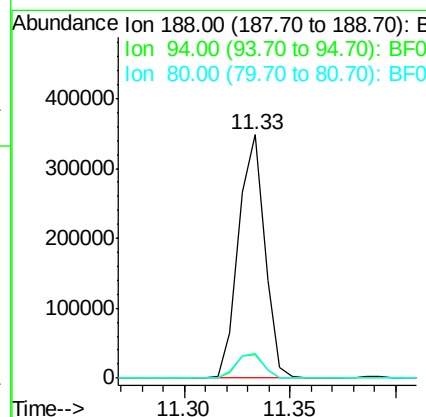
RT: 11.33 min Scan# 1572

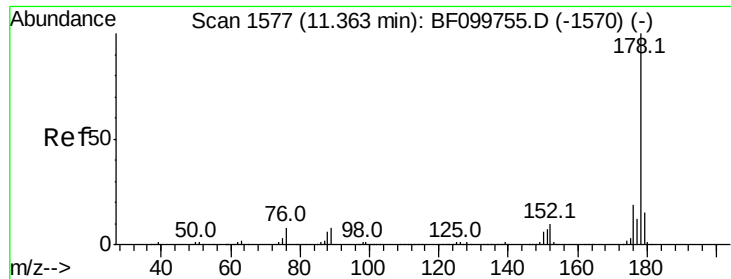
Delta R.T. 0.00 min

Lab File: BF099896.D

Acq: 28 Oct 2017 1:04

Tgt Ion:	188	Resp:	296030
Ion Ratio	Lower	Upper	
188	100		
94	9.8	8.5	12.7
80	10.0	9.2	13.8





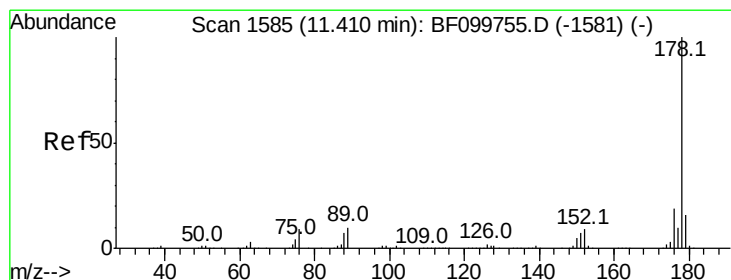
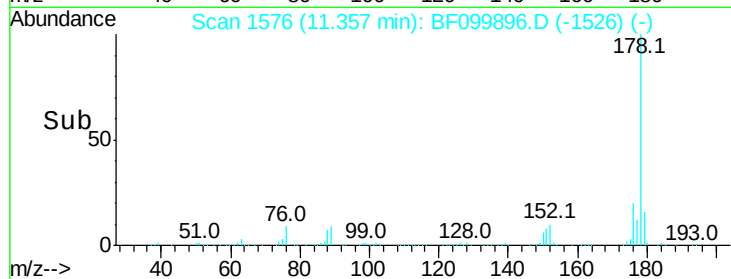
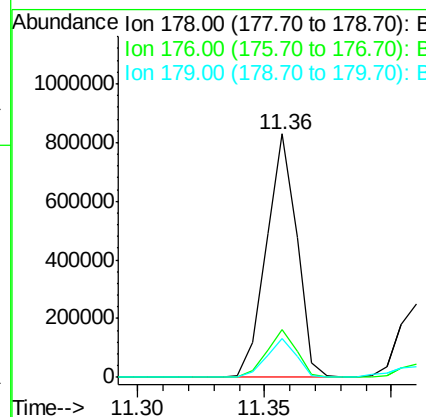
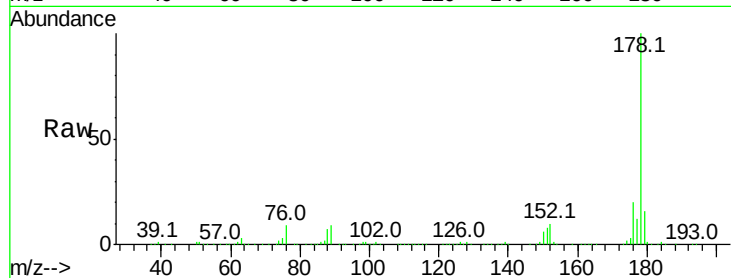
#70
Phenanthrene
Concen: 41.869 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Instrument :
BNA_F
ClientSampleId :
ENV-116-6(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.8	13.0	19.6

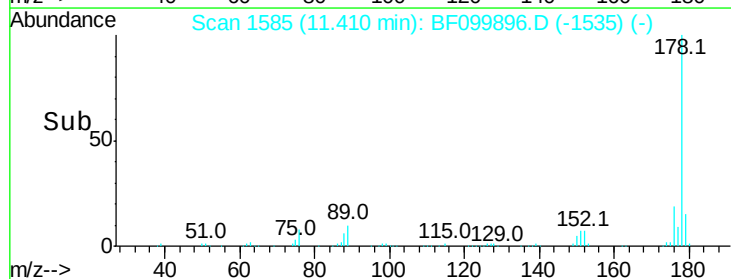
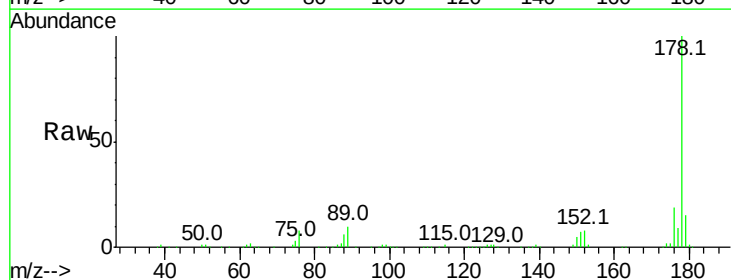
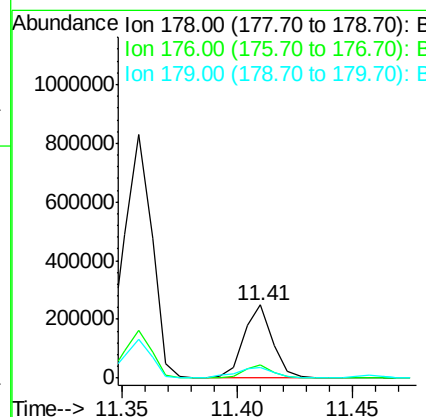
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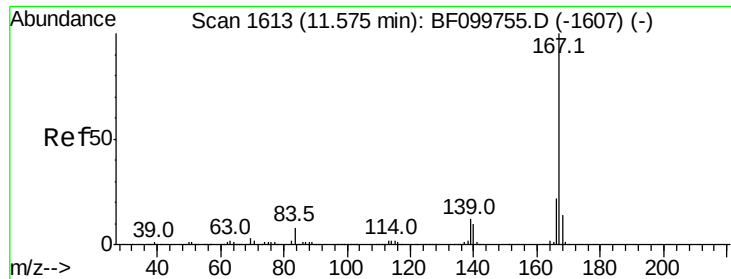
Sohil
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#71
Anthracene
Concen: 12.593 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.1	12.6	19.0





#72

Carbazole

Concen: 4.550 ng

RT: 11.57 min Scan# 1613

Delta R.T. 0.00 min

Lab File: BF099896.D

Acq: 28 Oct 2017 1:04

Instrument :

BNA_F

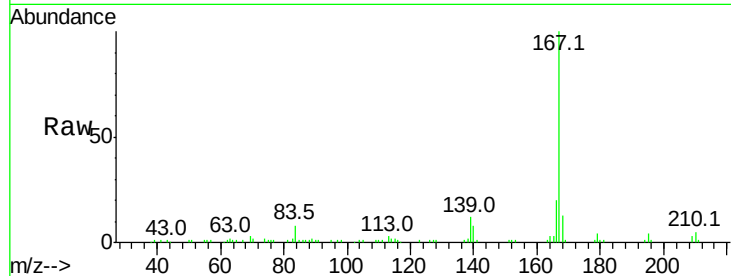
ClientSampleId :

ENV-116-6(0-5)

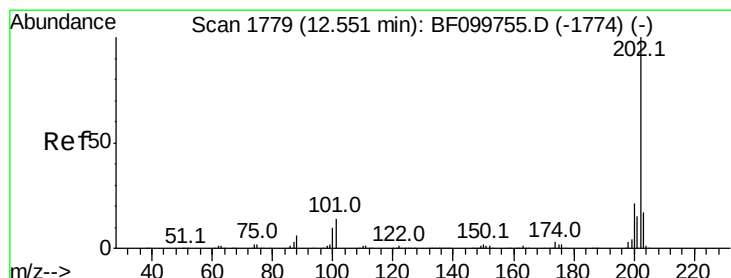
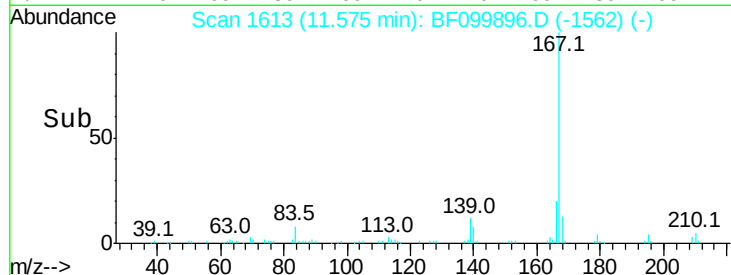
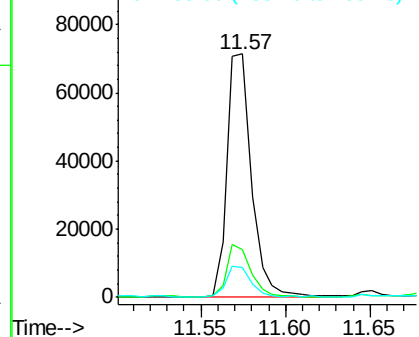
Tot Ion:	167	Resp:	72566
Ion Ratio	Lower	Upper	
167	100		
166	19.5	17.6	26.4
139	12.2	10.9	16.3

Manual Integrations
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 32.718 ng

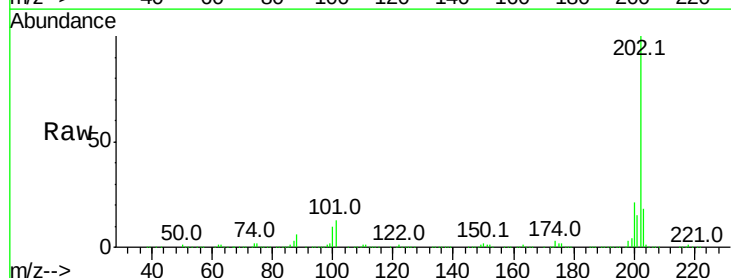
RT: 12.55 min Scan# 1779

Delta R.T. 0.00 min

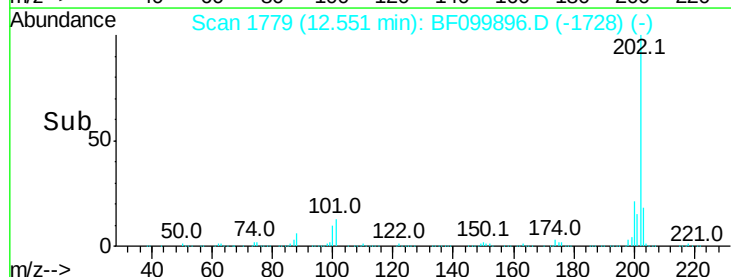
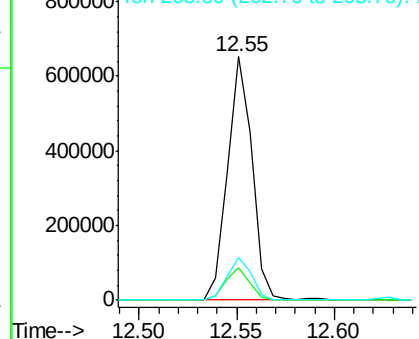
Lab File: BF099896.D

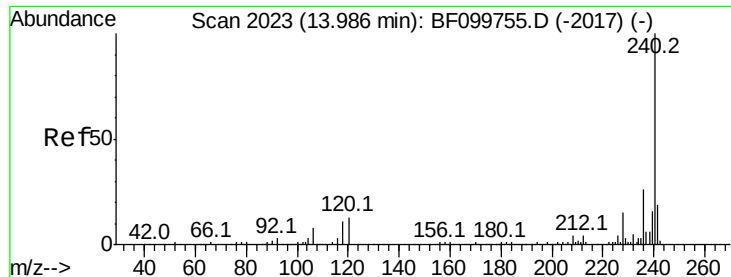
Acq: 28 Oct 2017 1:04

Tgt Ion:	202	Resp:	568035
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	34.1
203	17.7	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF099896.D

Acq: 28 Oct 2017 1:04

Instrument :

BNA_F

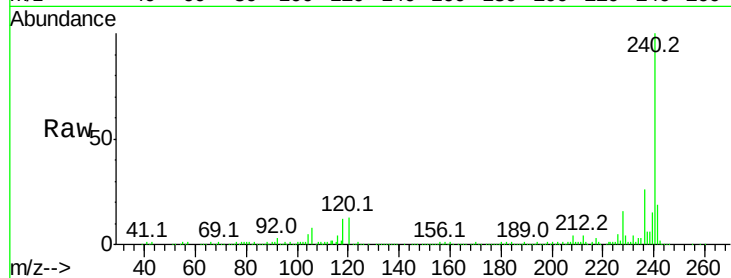
ClientSampled :

ENV-116-6(0-5)

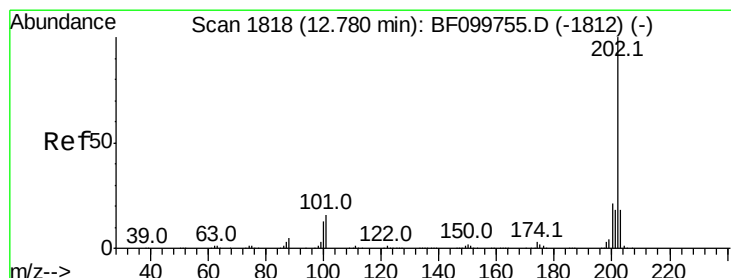
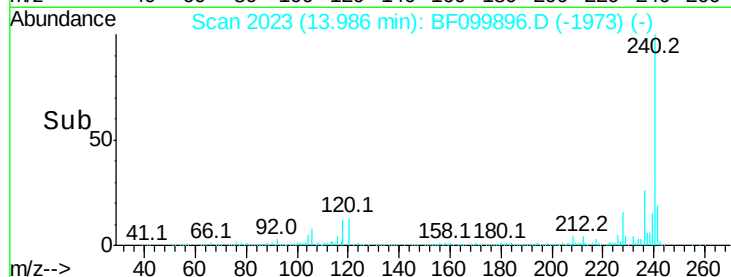
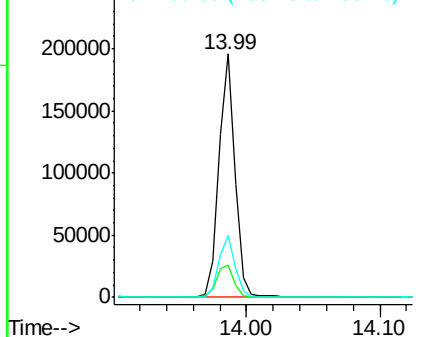
Tot Ion:	240	Resp:	166893
Ion Ratio	Lower	Upper	
240	100		
120	13.4	9.5	14.3
236	25.5	20.7	31.1

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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: 36.394 ng

RT: 12.78 min Scan# 1818

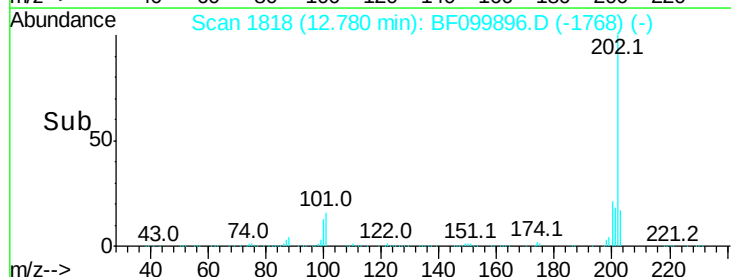
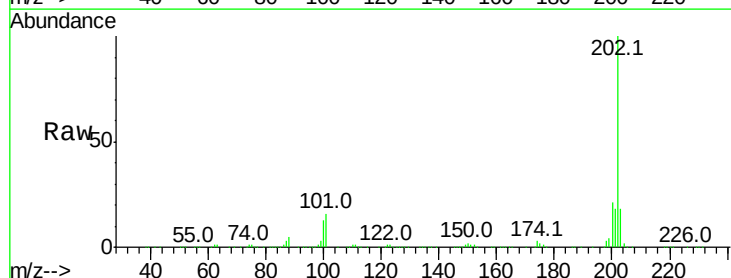
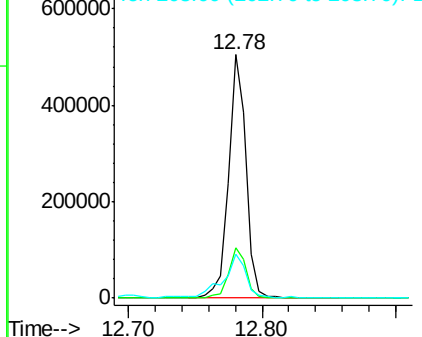
Delta R.T. -0.01 min

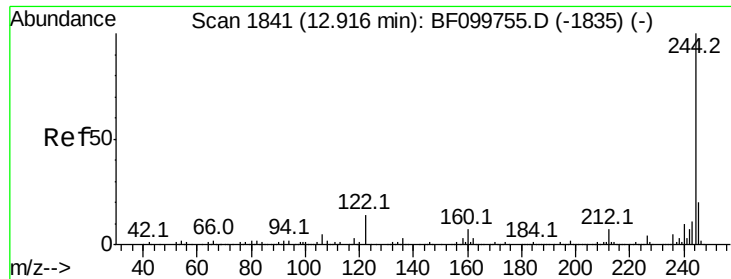
Lab File: BF099896.D

Acq: 28 Oct 2017 1:04

Tgt Ion:	202	Resp:	461854
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.8	14.3	21.5

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





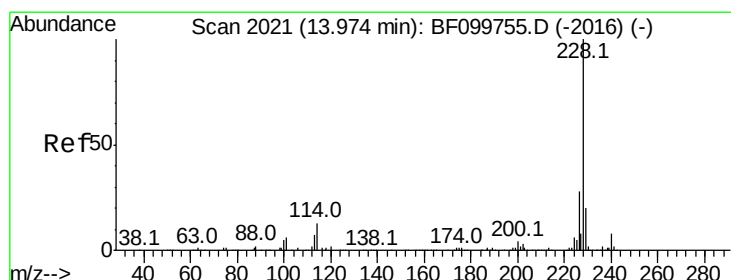
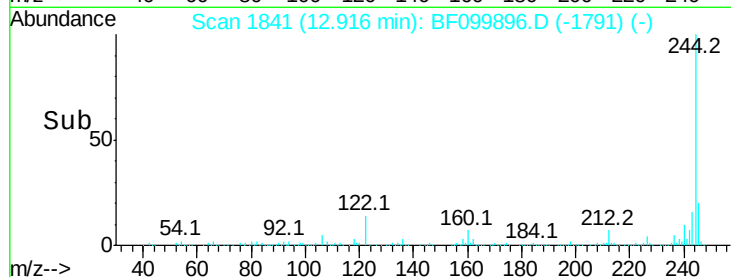
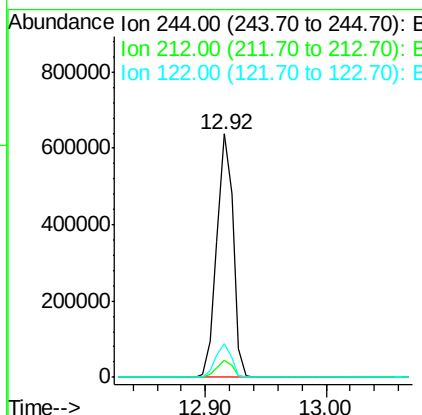
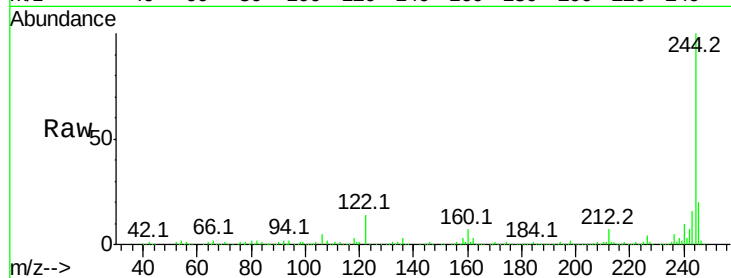
#78
 Terphenyl-d14
 Concen: 77.108 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF099896.D
 Acq: 28 Oct 2017 1:04

Instrument :
 BNA_F
 ClientSampleId :
 ENV-116-6(0-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	14.0	11.0	16.4

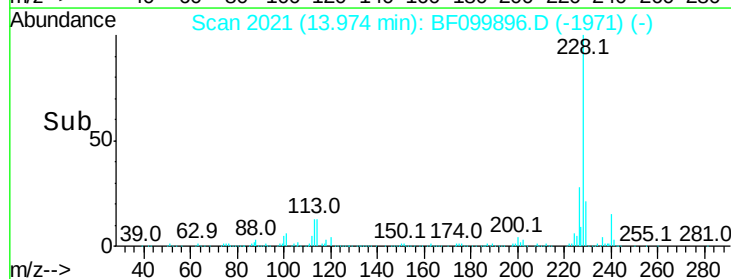
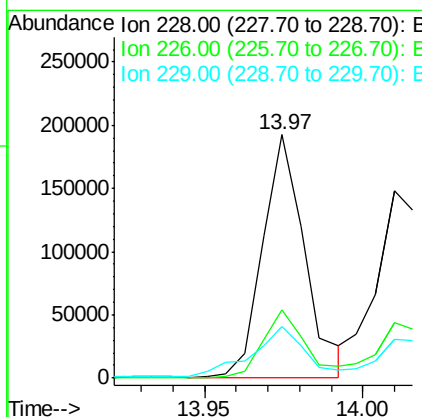
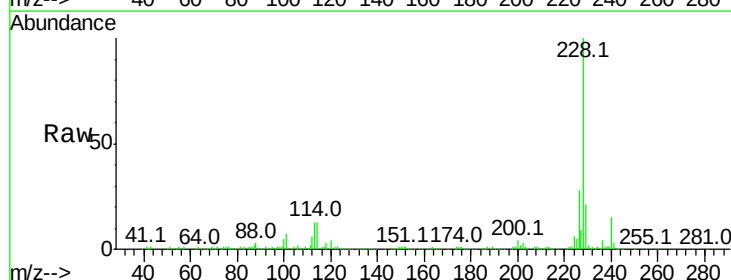
Manual Integrations
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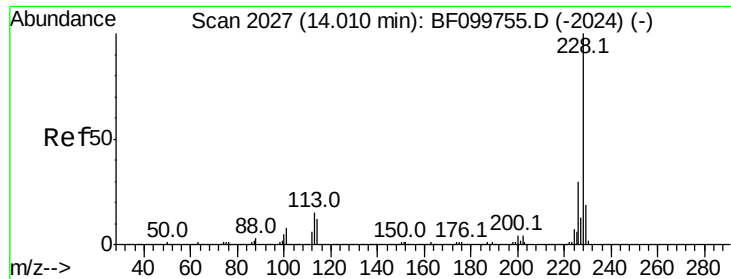
Sohil
 10/30/2017 6:16:50 PM



#80
 Benzo(a)anthracene
 Concen: 16.751 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF099896.D
 Acq: 28 Oct 2017 1:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	21.2	15.8	23.6





#82

Chrysene

Concen: 15.252 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF099896.D

Acq: 28 Oct 2017 1:04

Instrument :

BNA_F

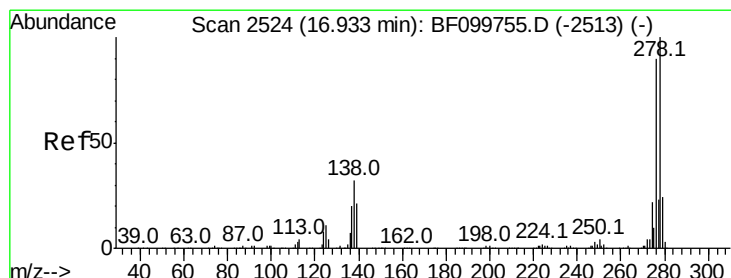
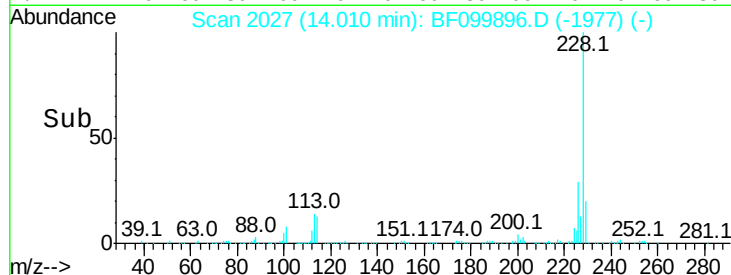
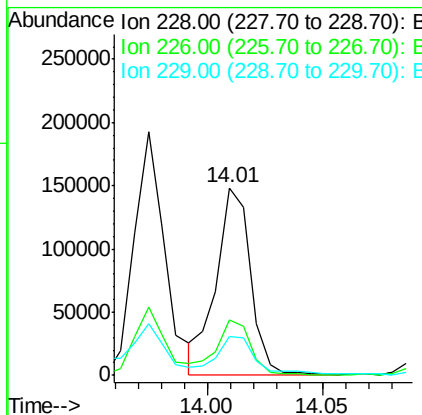
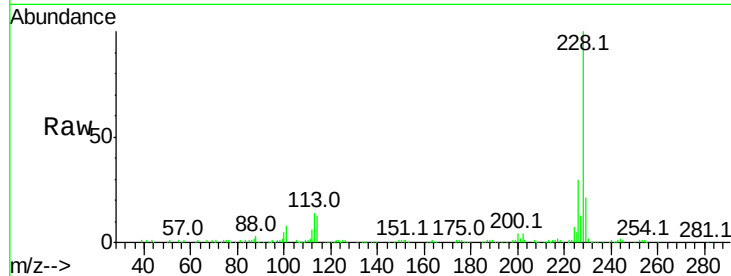
ClientSampleId :

ENV-116-6(0-5)

Tot Ion:	228	Resp:	151701
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.0	37.6
229	21.0	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.456 ng

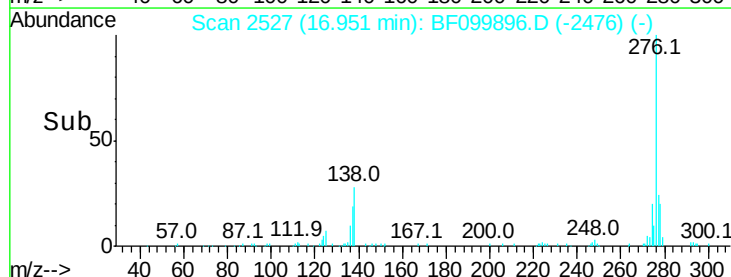
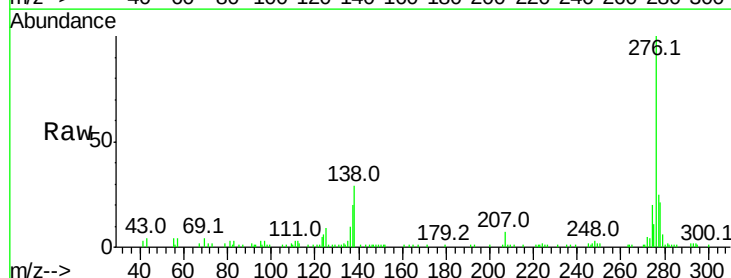
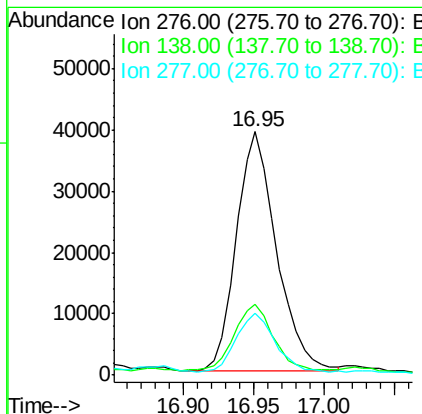
RT: 16.95 min Scan# 2527

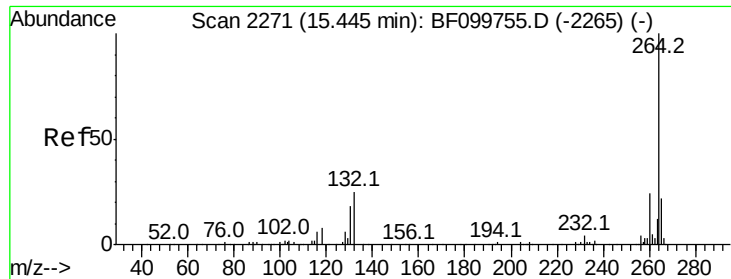
Delta R.T. 0.00 min

Lab File: BF099896.D

Acq: 28 Oct 2017 1:04

Tgt Ion:	276	Resp:	77217
Ion Ratio	Lower	Upper	
276	100		
138	30.4	25.0	37.6
277	25.2	20.1	30.1





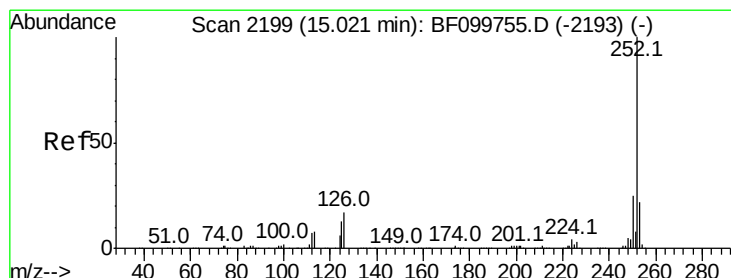
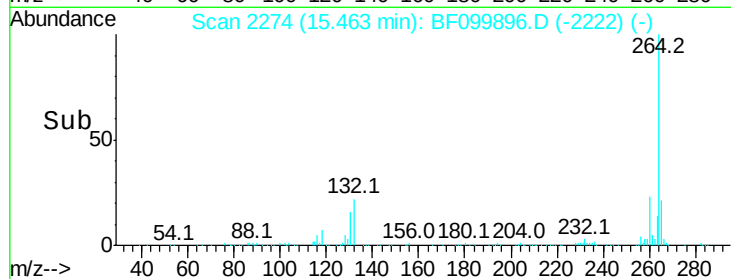
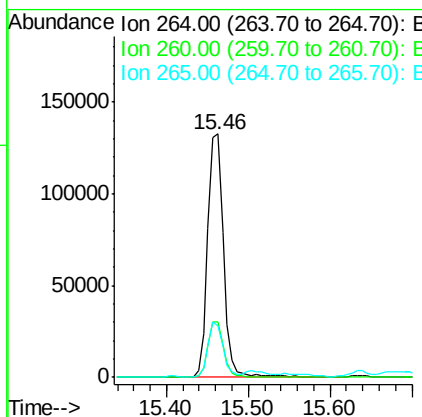
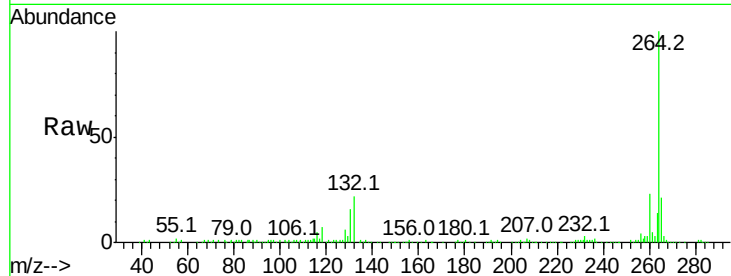
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Instrument :
BNA_F
ClientSampleId :
ENV-116-6(0-5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.4	17.5	26.3

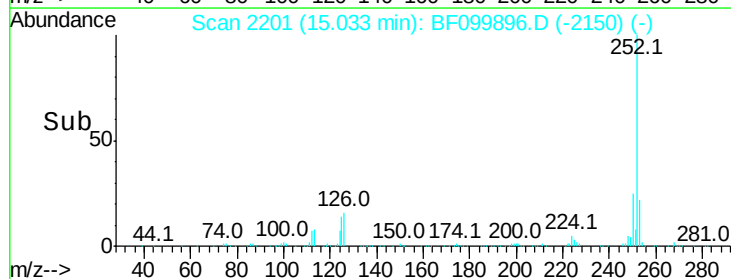
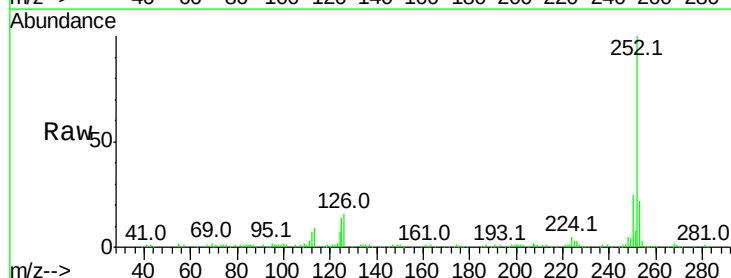
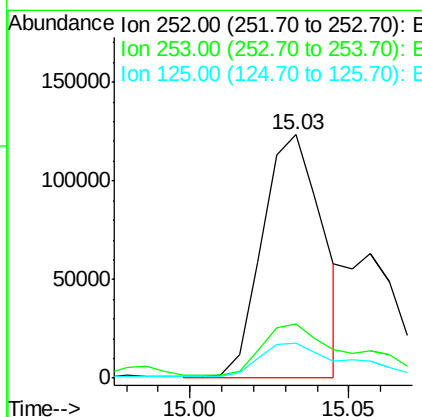
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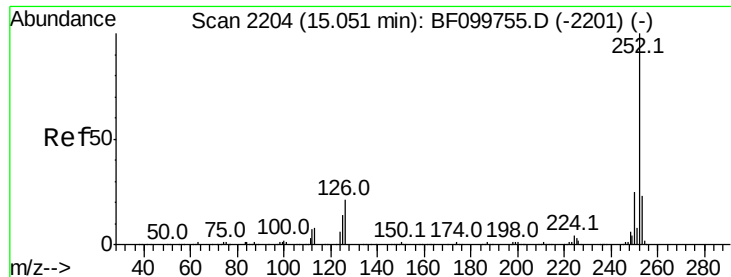
Sohil
10/30/2017 6:16:50 PM



#87
Benzo(b)fluoranthene
Concen: 14.405 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	14.5	9.0	13.6





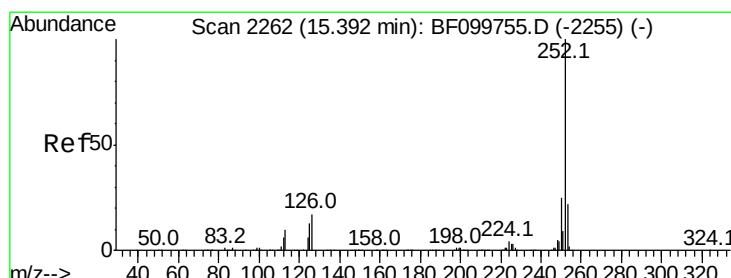
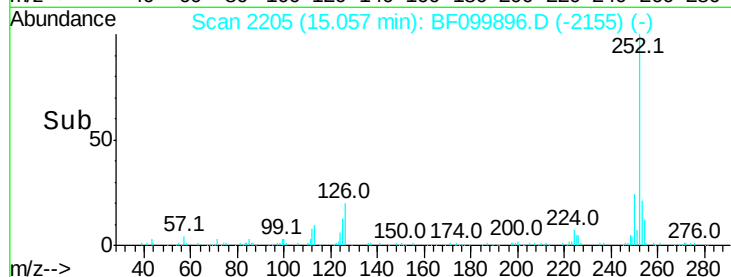
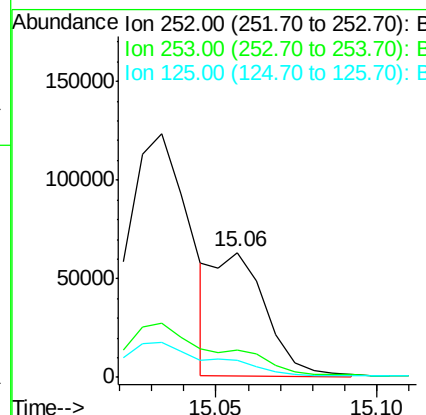
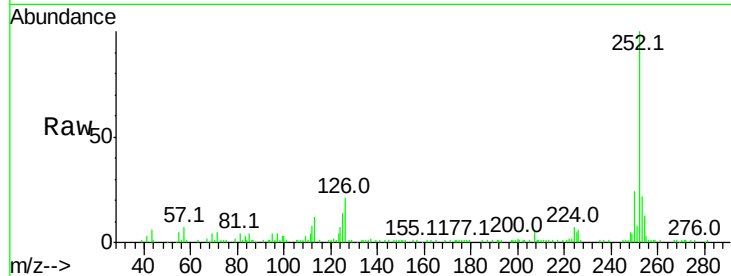
#88
Benzo(k)fluoranthene
Concen: 6.550 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Instrument :
BNA_F
ClientSampleId :
ENV-116-6(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	13.9	10.2	15.2

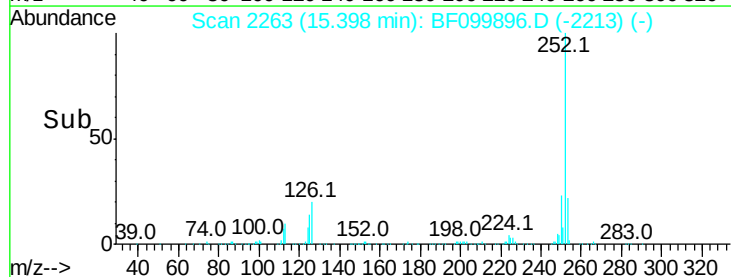
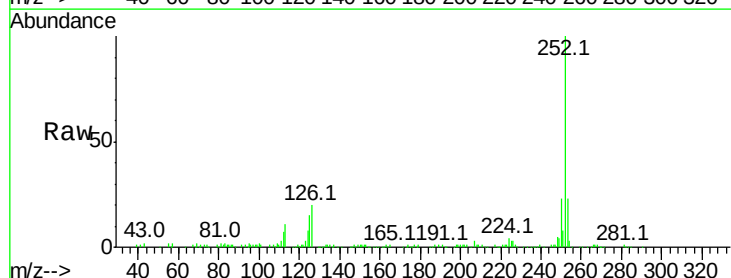
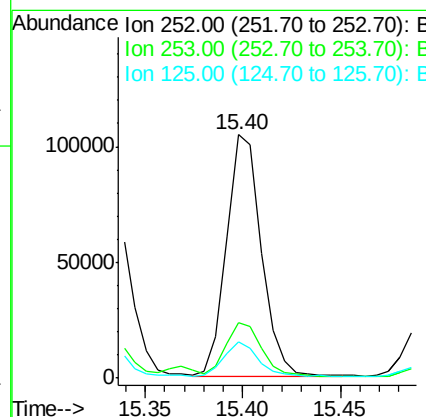
Manual Integrations
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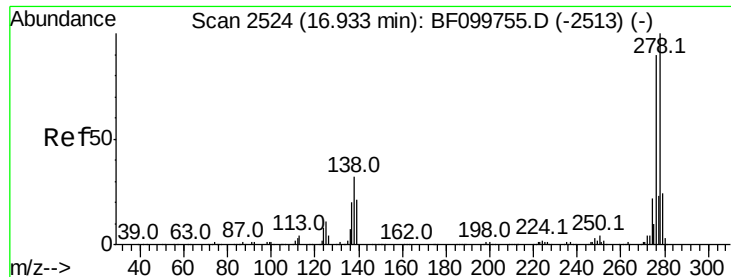
Sohil
10/30/2017 6:16:50 PM



#89
Benzo(a)pyrene
Concen: 12.903 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	14.8	9.8	14.6





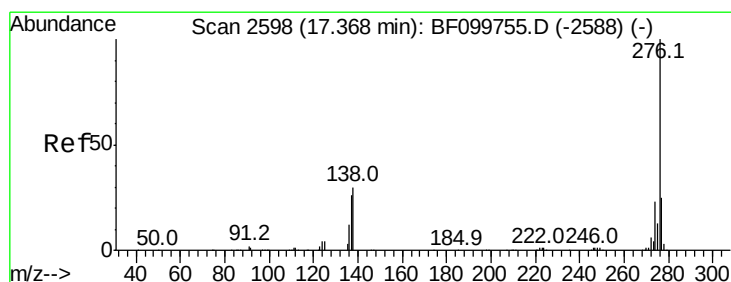
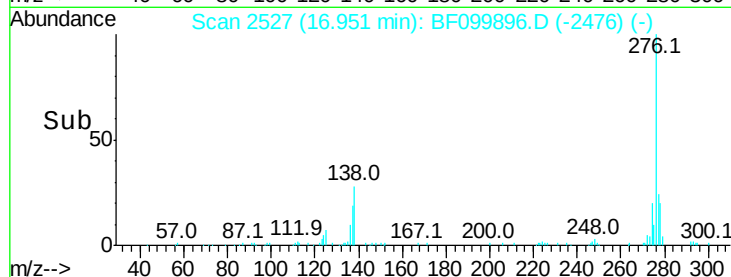
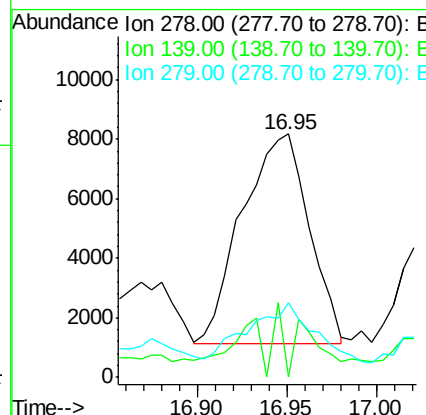
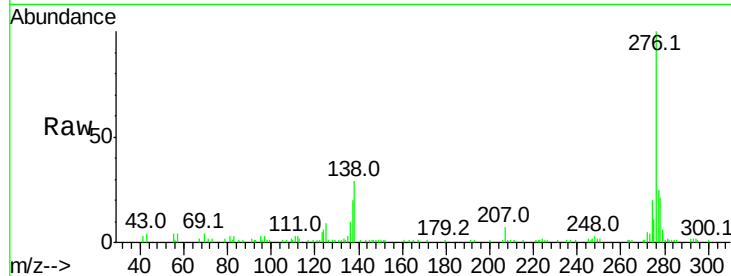
#90
Dibenzo(a,h)anthracene
Concen: 2.027 ng/mL
RT: 16.95 min Scan# 2527
Delta R.T. 0.00 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Instrument :
BNA_F
ClientSampleId :
ENV-116-6(0-5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	30.6	19.0	28.4#

Manual Integrations
APPROVED

Sohil
10/30/2017 6:16:50 PM



#91
Benzo(g,h,i)perylene
Concen: 8.531 ng/mL
RT: 17.40 min Scan# 2603
Delta R.T. 0.00 min
Lab File: BF099896.D
Acq: 28 Oct 2017 1:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	31.4	21.8	32.8

