

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099311.D
 Acq On : 10 Oct 2017 20:25
 Operator : SJ/JU
 Sample : I5691-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-117-1(0-5)

Manual Integrations
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Sohil
 10/11/2017 7:24:00 PM

Quant Time: Oct 11 01:31:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	94688	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	362524	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	143199	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	204433	20.00	ng	0.00
75) Chrysene-d12	14.03	240	185502	20.00	ng	0.00
86) Perylene-d12	15.50	264	160191	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	679929	114.31	ng	0.01
7) Phenol-d6	6.50	99	806951	109.97	ng	0.00
23) Nitrobenzene-d5	7.43	82	468517	82.88	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	123255	105.19	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	788895	91.97	ng	0.00
78) Terphenyl-d14	12.97	244	513058	62.90	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	145574	13.469	ng	100
51) Acenaphthene	9.93	154	21145	2.360	ng	99
57) Fluorene	10.45	166	20661	2.155	ng	100
70) Phenanthrene	11.41	178	237334	21.689	ng	98
71) Anthracene	11.46	178	78427	7.005	ng	97
74) Fluoranthene	12.60	202	322049	29.064	ng	97
77) Pyrene	12.83	202	302457	21.382	ng	98
80) Benzo(a)anthracene	14.02	228	148074	13.183	ng	98
82) Chrysene	14.05	228	135043	12.628	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	41537	4.856	ng	97
87) Benzo(b)fluoranthene	15.07	252	123565m	12.546	ng	
88) Benzo(k)fluoranthene	15.10	252	49159m	5.053	ng	
89) Benzo(a)pyrene	15.44	252	96338	10.656	ng	# 97
91) Benzo(a,h,i)perylene	17.44	276	38801	5.425	ng	# 90

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

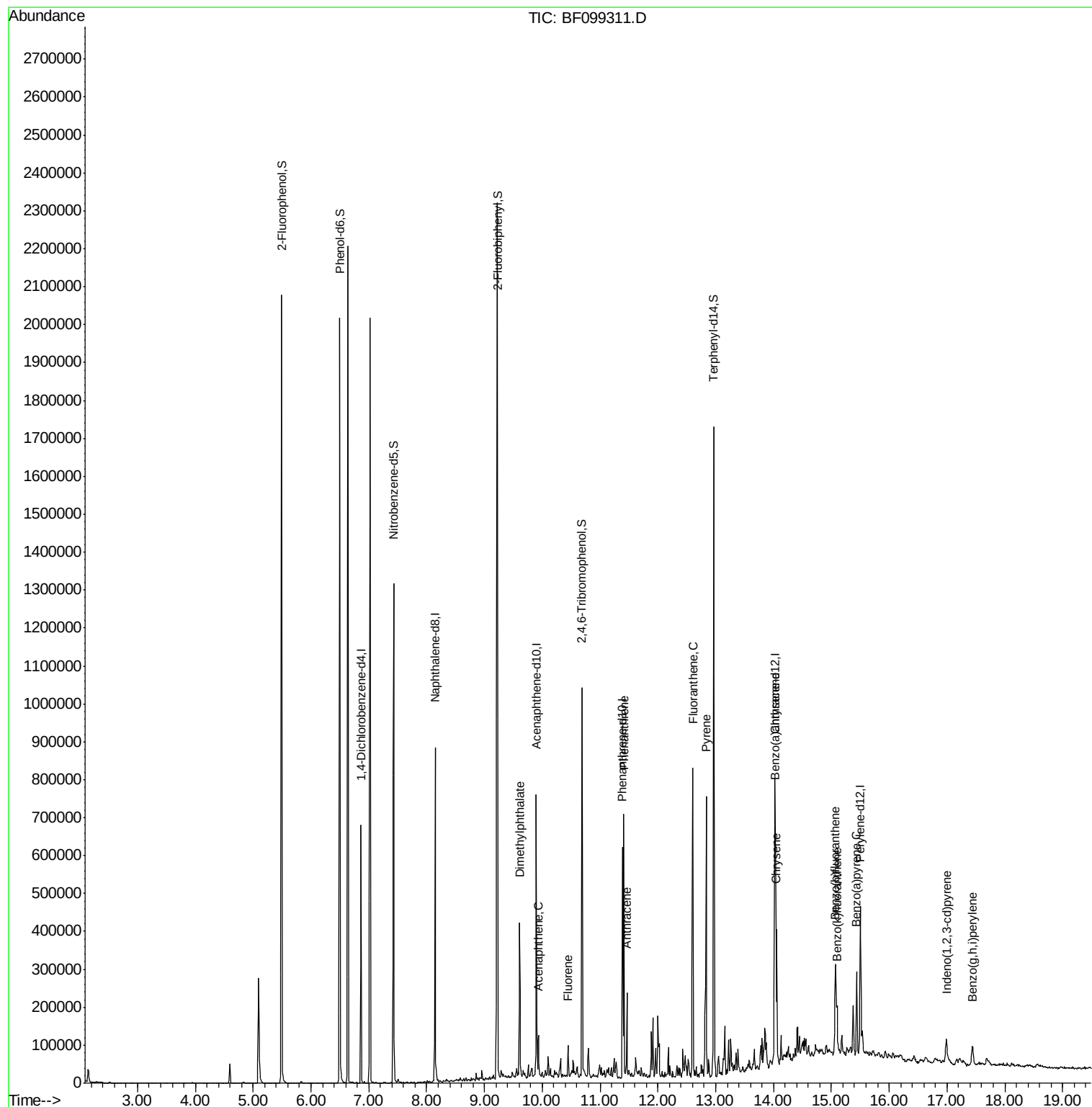
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
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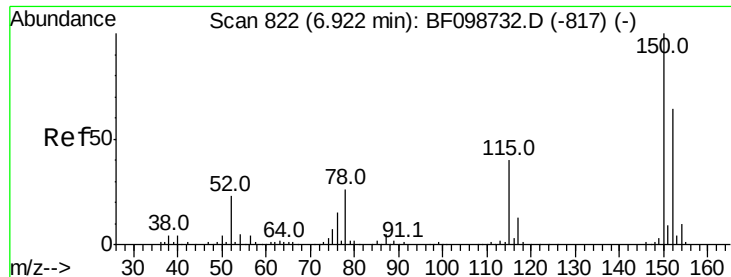
Instrument :
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ClientSampleId :
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#1

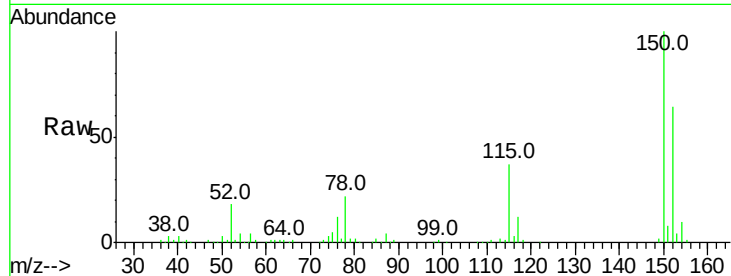
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099311.D
Acq: 10 Oct 2017 20:25

Instrument :
BNA_F
ClientSampled :
ENV-117-1(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	58.2	50.1	75.1

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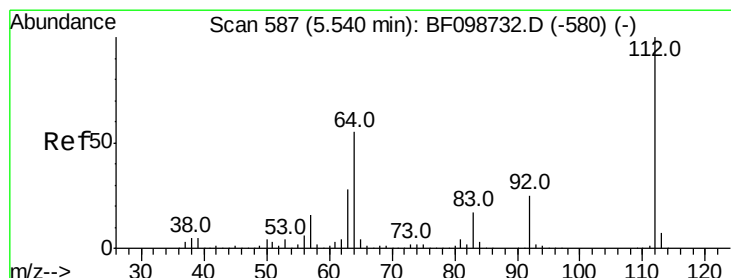
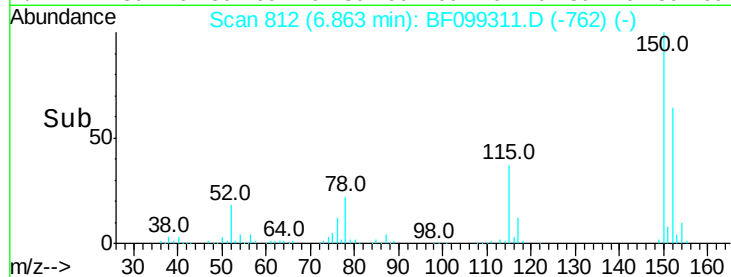
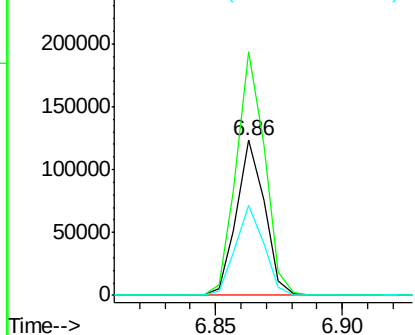


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

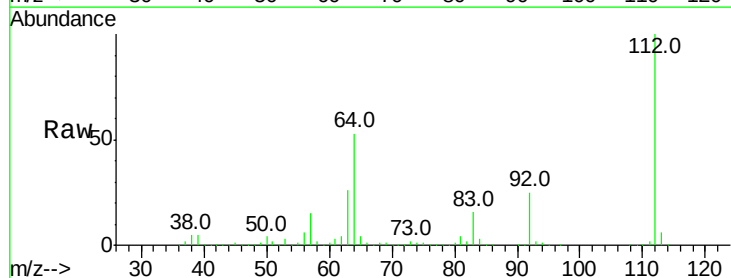
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 114.310 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF099311.D
Acq: 10 Oct 2017 20:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	47.9	71.9
63	26.1	23.7	35.5

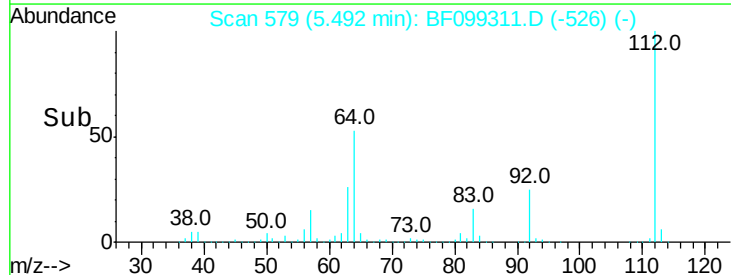
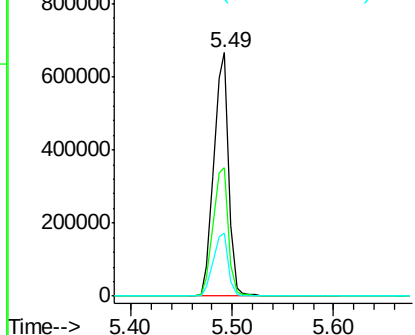


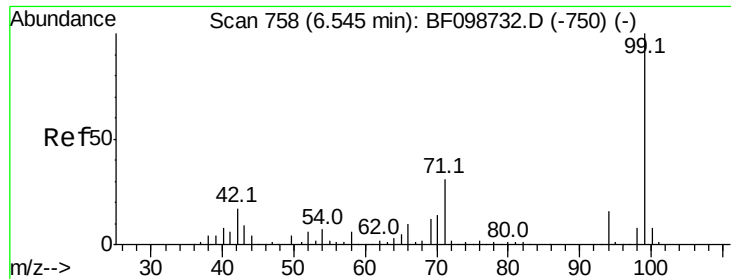
Abundance

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: 109.974 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF099311.D

Acq: 10 Oct 2017 20:25

Instrument :

BNA_F

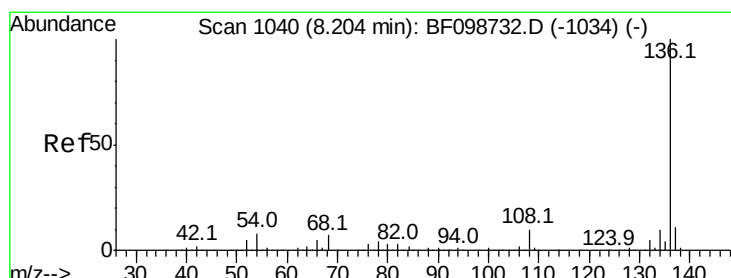
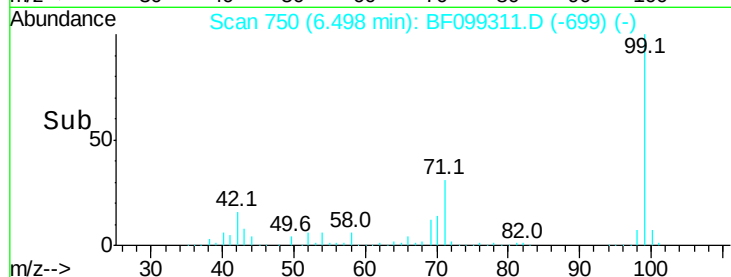
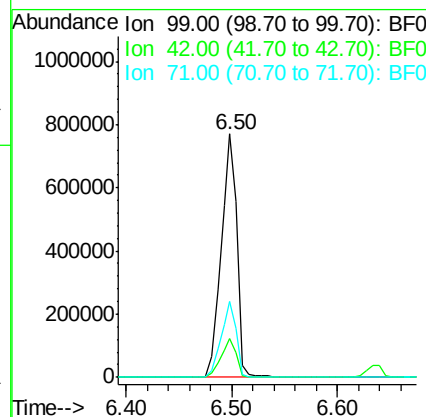
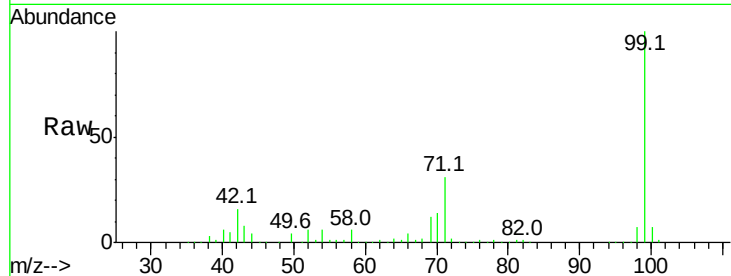
ClientSampled :

ENV-117-1(0-5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		806951		
42	15.8	14.5	21.7		
71	31.4	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

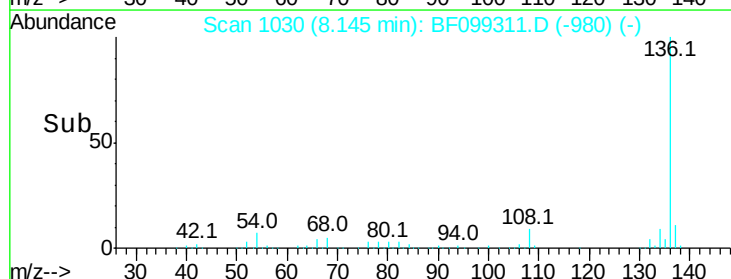
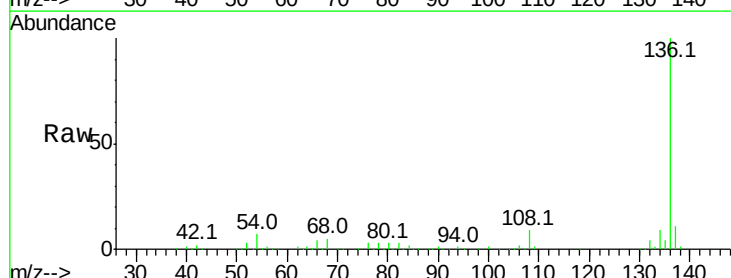
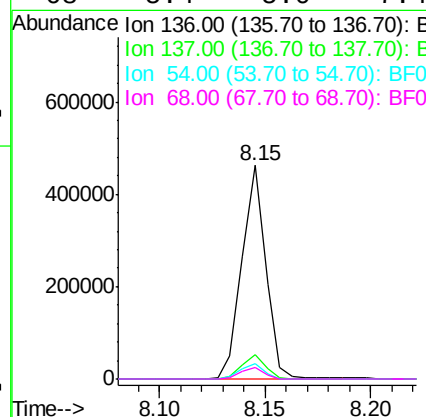
RT: 8.15 min Scan# 1030

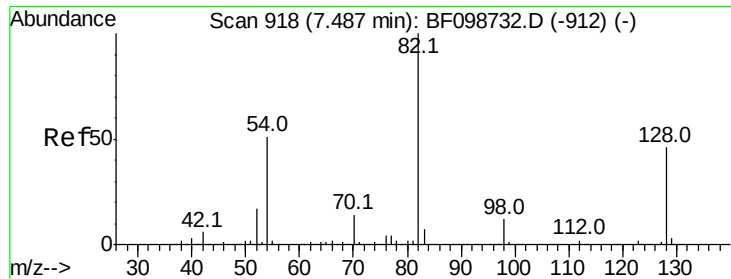
Delta R.T. -0.01 min

Lab File: BF099311.D

Acq: 10 Oct 2017 20:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		362524		
137	11.2	8.9	13.3		
54	7.0	6.6	9.8		
68	5.4	5.0	7.4		





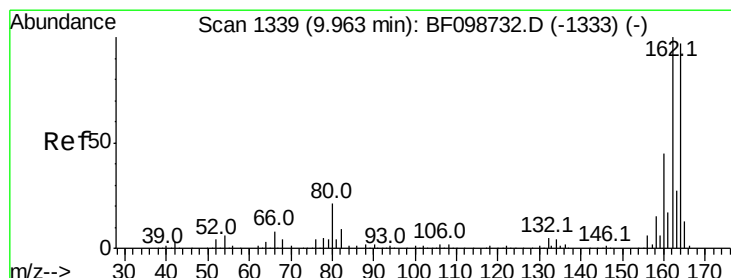
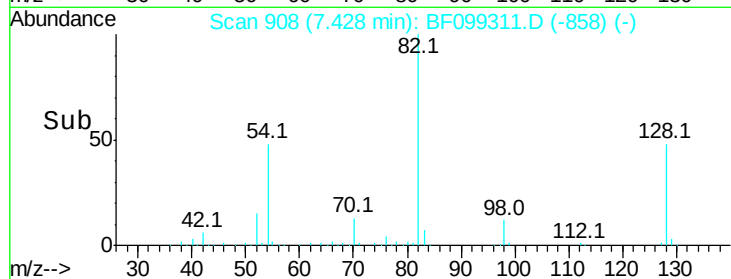
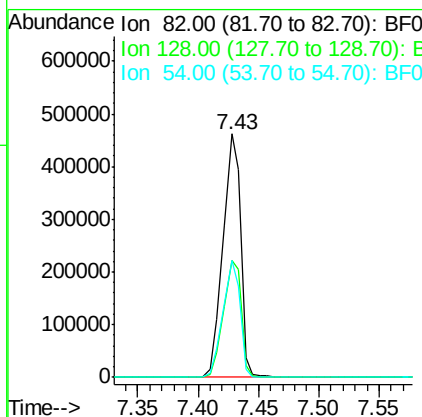
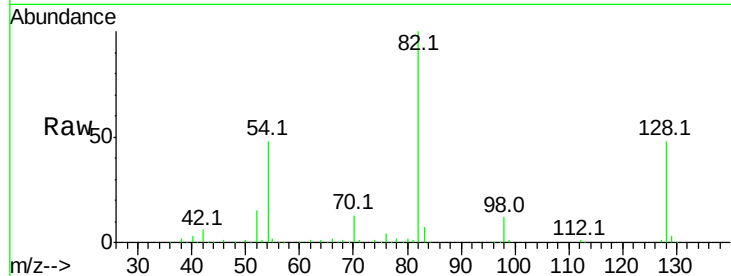
#23
Nitrobenzene-d5
Concen: 82.880 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099311.D
Acq: 10 Oct 2017 20:25

Instrument :
BNA_F
ClientSampleId :
ENV-117-1(0-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.0	36.1	54.1
54	48.2	41.4	62.2

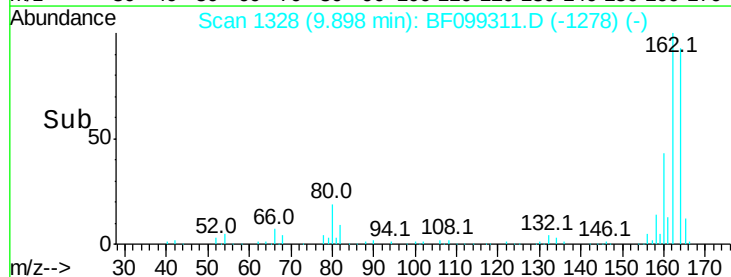
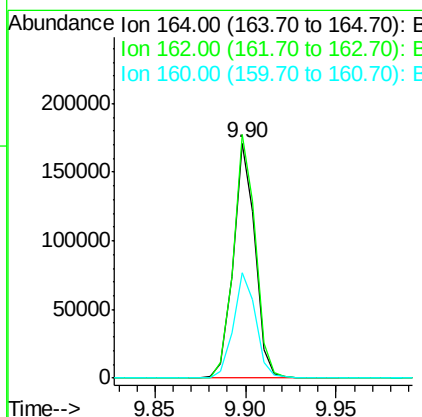
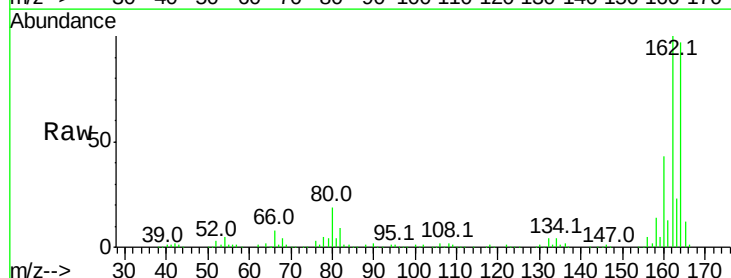
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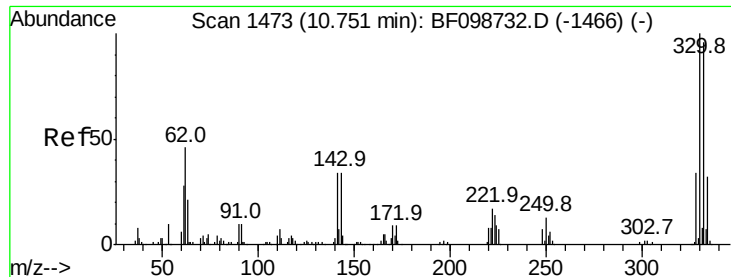
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099311.D
Acq: 10 Oct 2017 20:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	44.6	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 105.188 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF099311.D

Acq: 10 Oct 2017 20:25

Instrument :

BNA_F

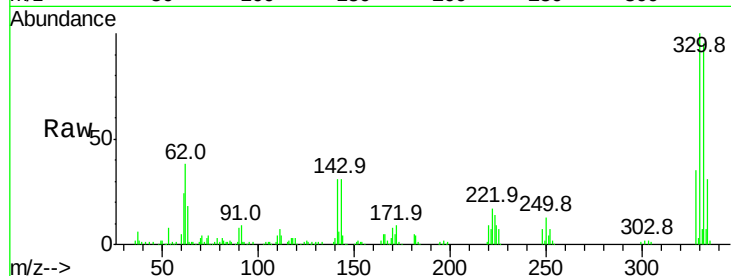
ClientSampled :

ENV-117-1(0-5)

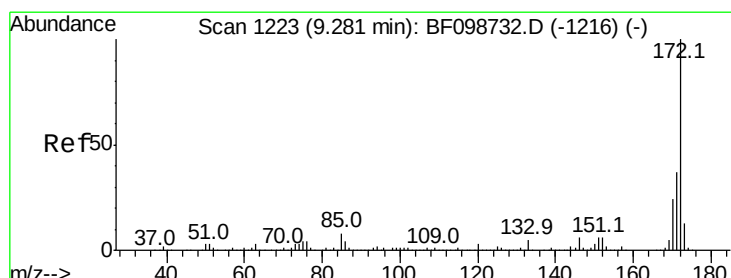
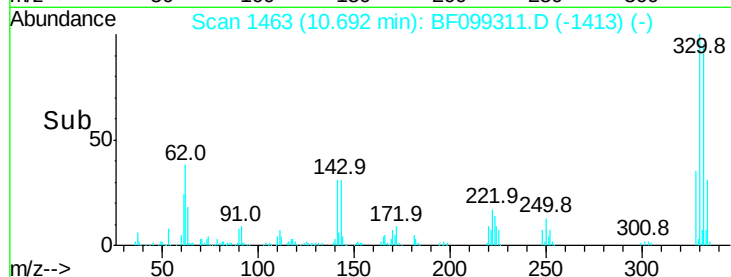
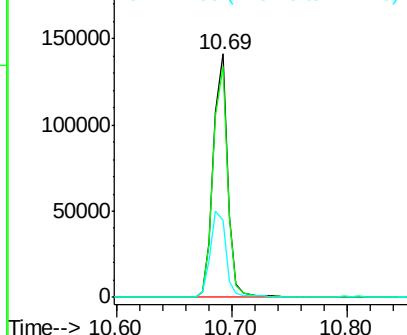
Tot Ion:	330	Resp:	123255
Ion Ratio	Lower	Upper	
330	100		
332	96.0	77.0	115.6
141	39.0	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 91.970 ng

RT: 9.22 min Scan# 1213

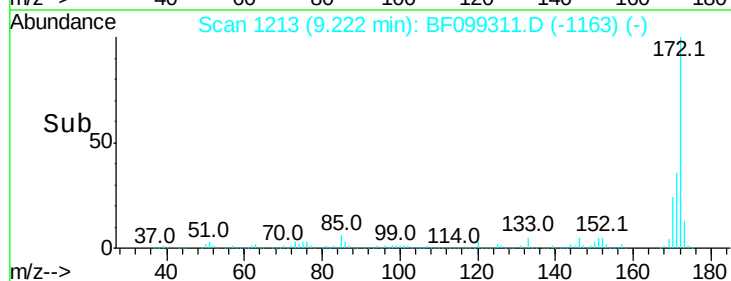
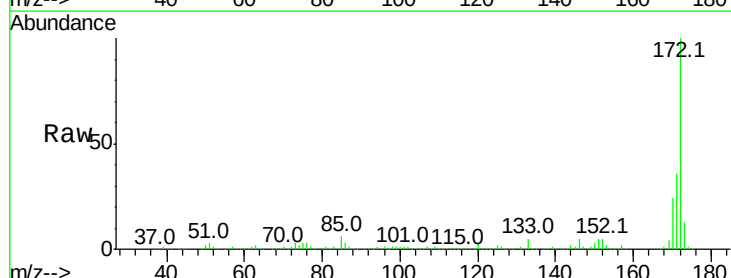
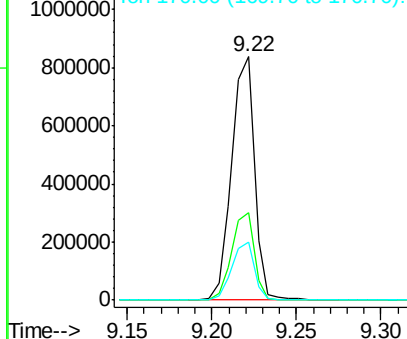
Delta R.T. -0.01 min

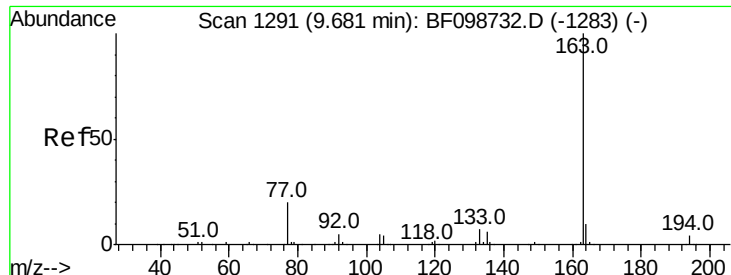
Lab File: BF099311.D

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Tgt Ion:	172	Resp:	788895
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.7	44.5
170	23.8	19.6	29.4

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





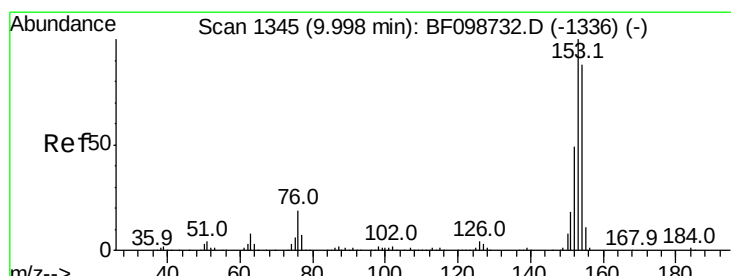
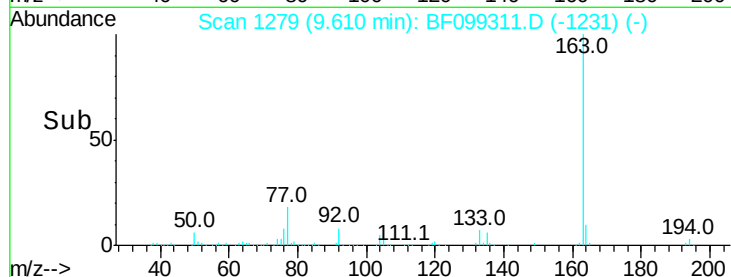
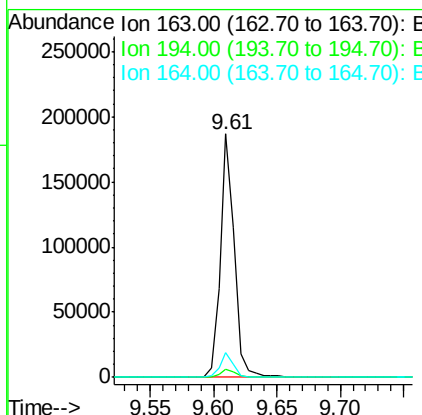
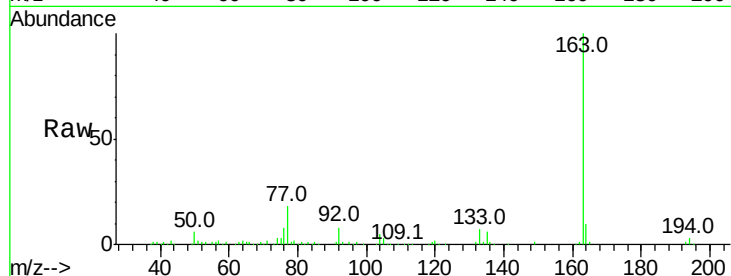
#49
Dimethylphthalate
Concen: 13.469 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099311.D
Acq: 10 Oct 2017 20:25

Instrument :
BNA_F
ClientSampleId :
ENV-117-1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	145574		
194	3.3		2.7	4.1
164	10.0		8.2	12.2

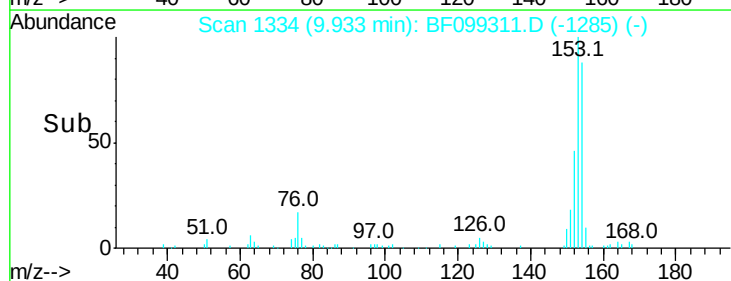
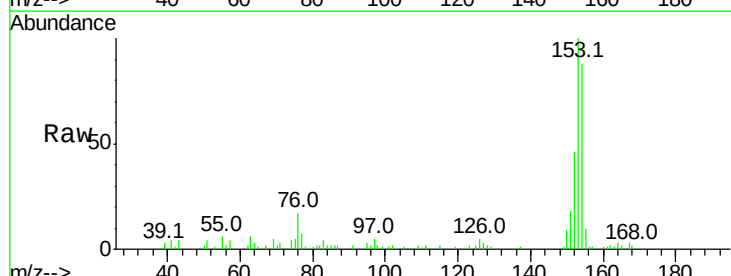
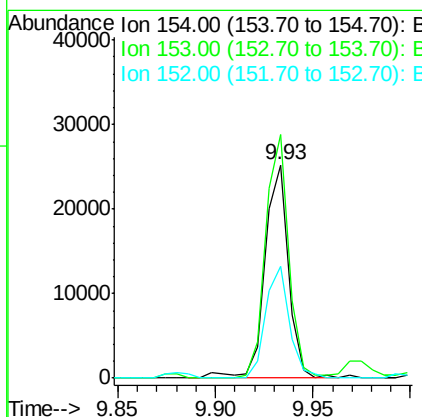
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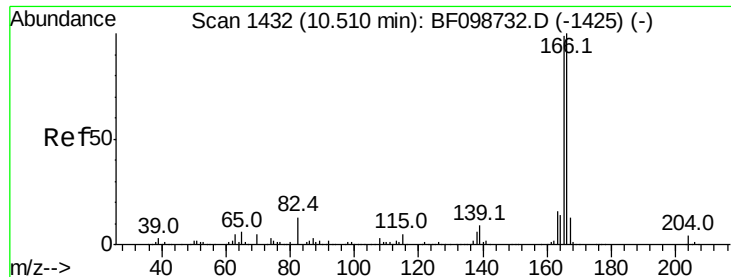
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#51
Acenaphthene
Concen: 2.360 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF099311.D
Acq: 10 Oct 2017 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	21145		
153	114.1		91.2	136.8
152	52.3		43.8	65.8





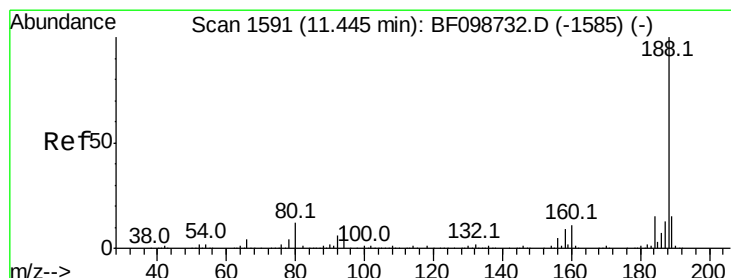
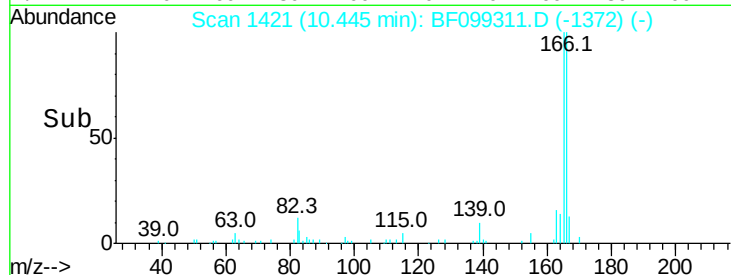
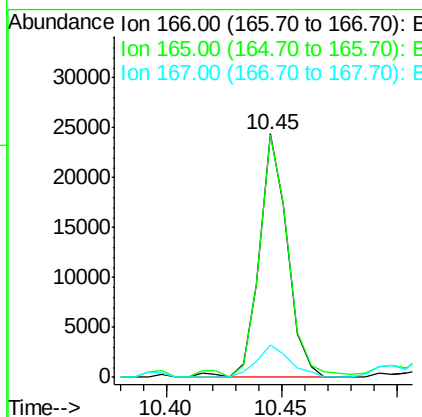
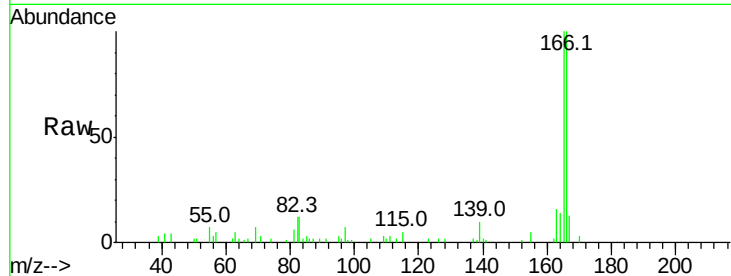
#57
Fluorene
 Concen: 2.155 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF099311.D
 Acq: 10 Oct 2017 20:25

Instrument :
 BNA_F
 ClientSampleId :
 ENV-117-1(0-5)

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.8	119.8
167	13.5	10.6	16.0

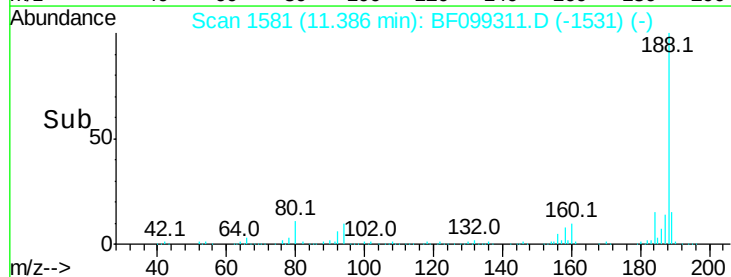
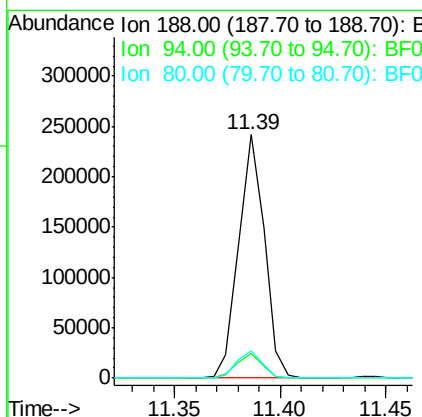
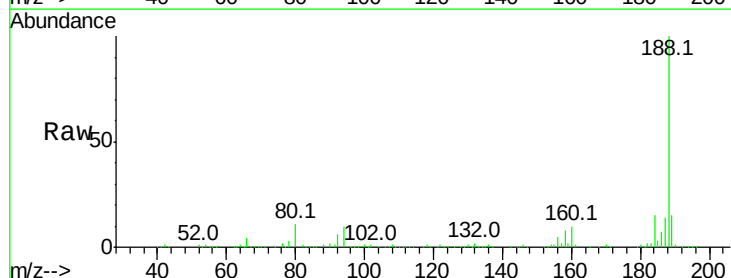
Manual Integrations
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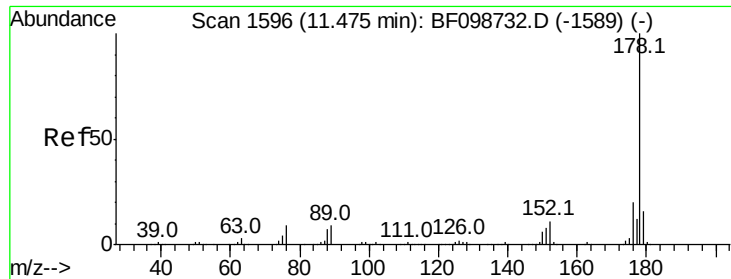
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099311.D
 Acq: 10 Oct 2017 20:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.0	9.2	13.8





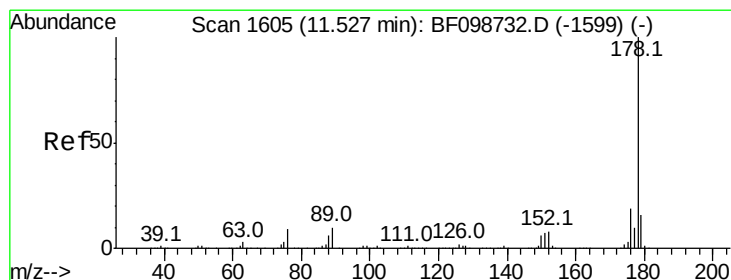
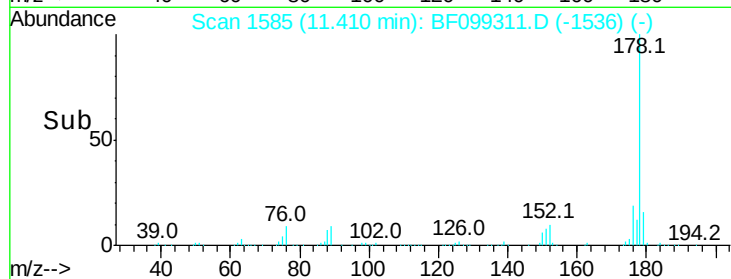
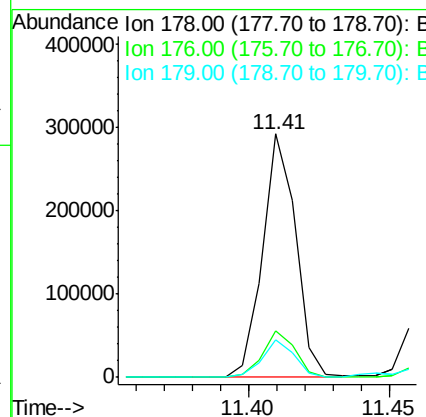
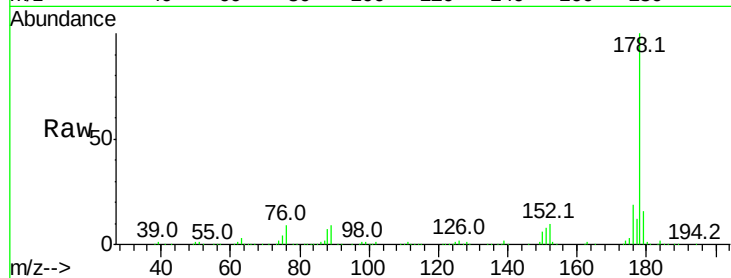
#70
 Phenanthrene
 Concen: 21.689 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF099311.D
 Acq: 10 Oct 2017 20:25

Instrument :
 BNA_F
 ClientSampleId :
 ENV-117-1(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.5	13.0	19.6

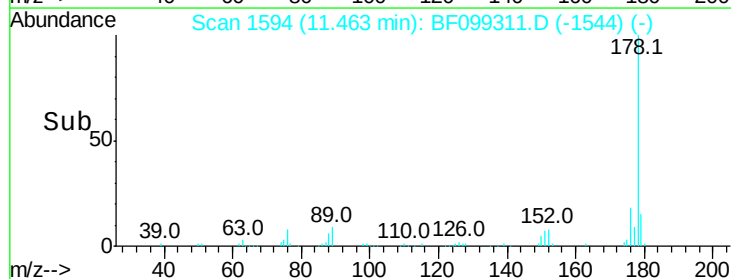
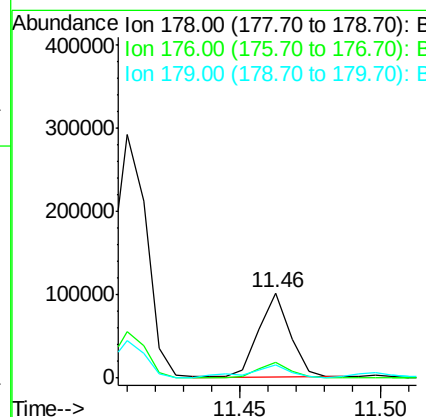
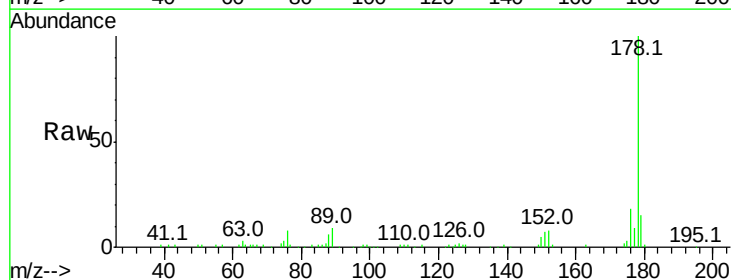
Manual Integrations
 APPROVED

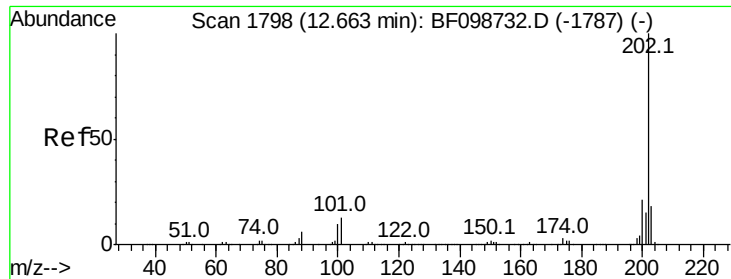
Sohil
 10/11/2017 7:24:00 PM



#71
 Anthracene
 Concen: 7.005 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF099311.D
 Acq: 10 Oct 2017 20:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	15.0	12.6	19.0





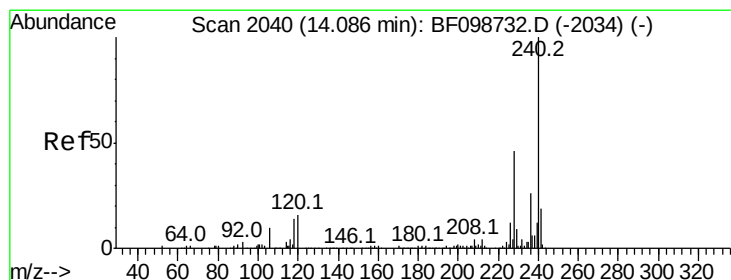
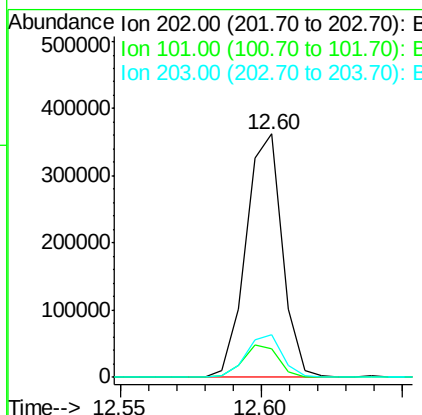
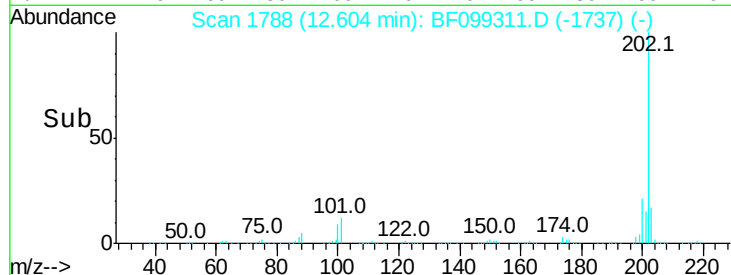
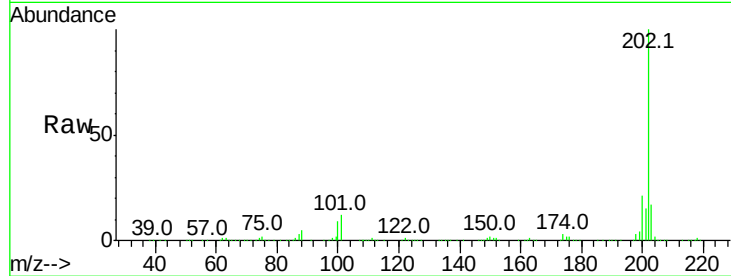
#74
Fluoranthene
Concen: 29.064 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BF099311.D
Acq: 10 Oct 2017 20:25

Instrument :
BNA_F
ClientSampleId :
ENV-117-1(0-5)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.5	0.0	38.1

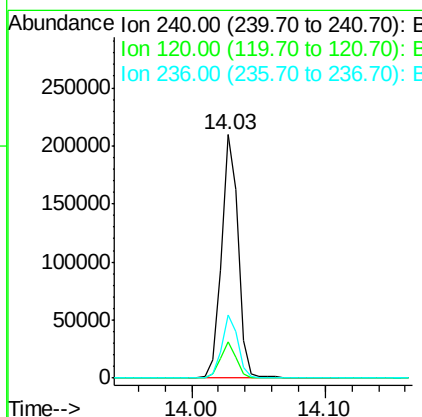
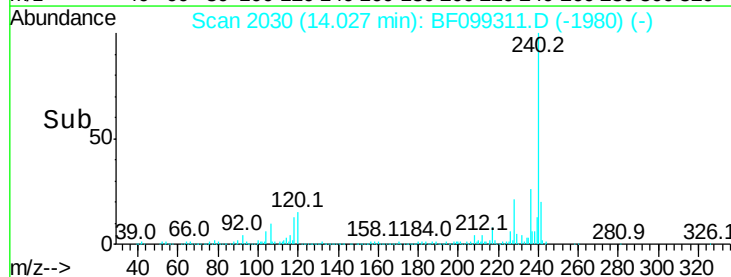
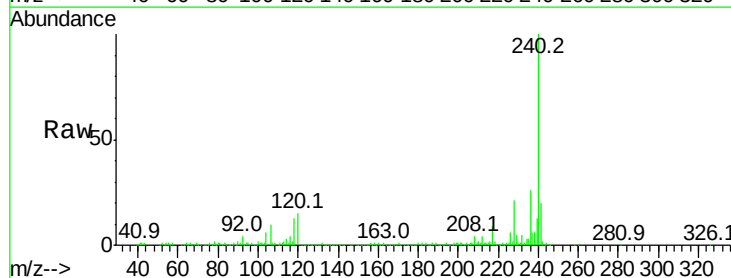
Manual Integrations
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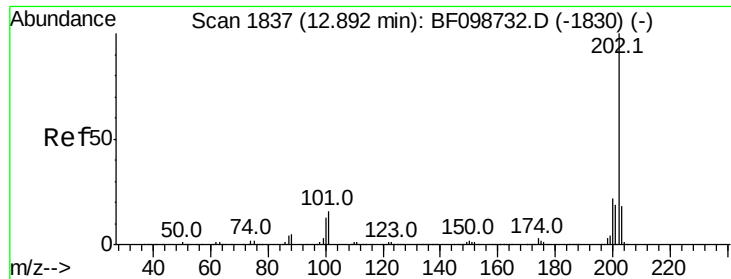
Sohil
10/11/2017 7:24:00 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF099311.D
Acq: 10 Oct 2017 20:25

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.8	9.5	14.3#
236	25.9	20.7	31.1





#77

Pvrene

Concen: 21.382 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF099311.D

Acq: 10 Oct 2017 20:25

Instrument :

BNA_F

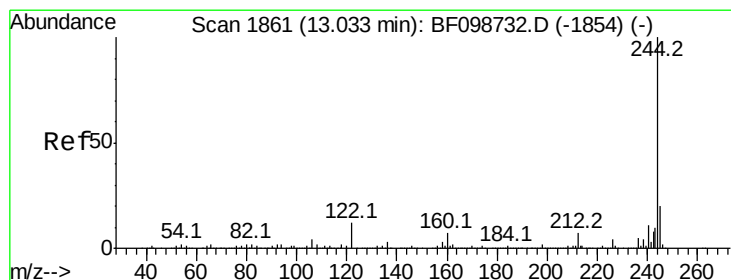
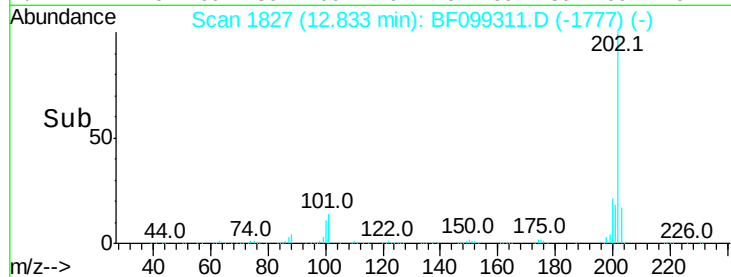
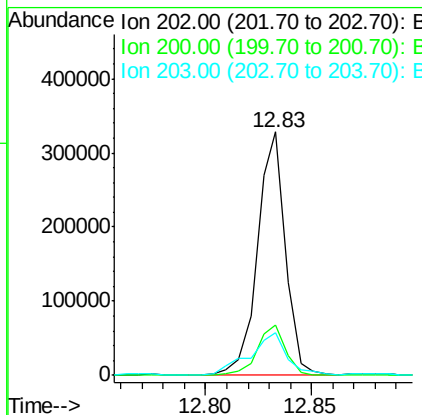
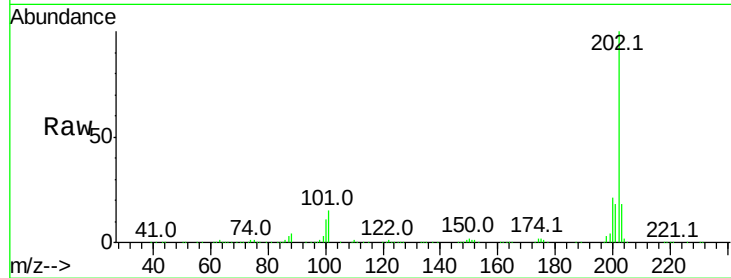
ClientSampleId :

ENV-117-1(0-5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.6	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 62.899 ng

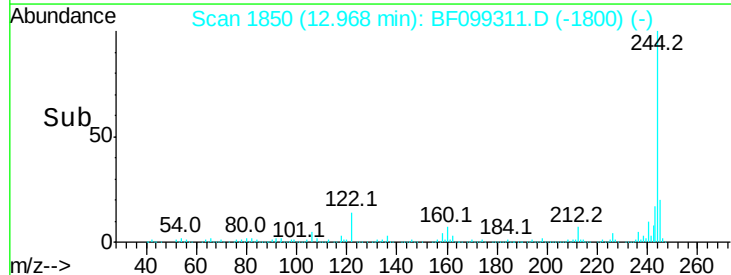
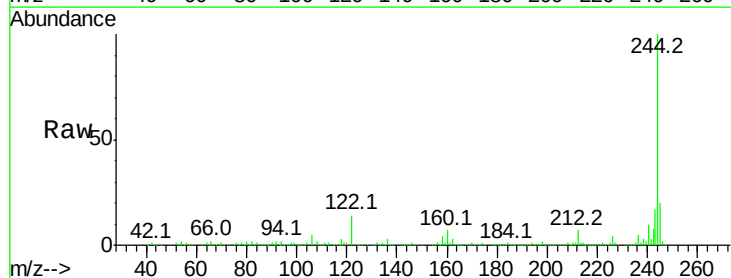
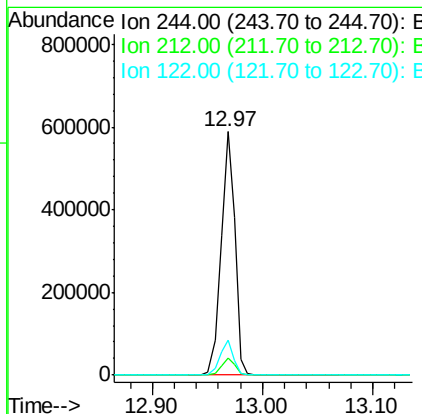
RT: 12.97 min Scan# 1850

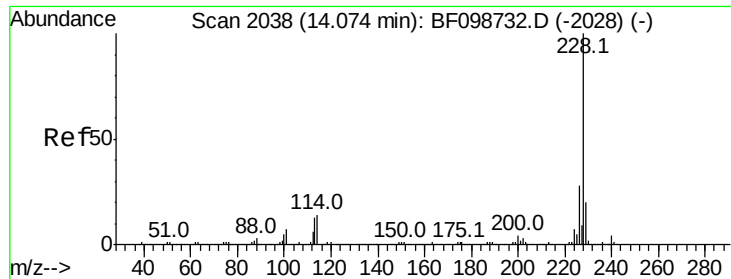
Delta R.T. -0.01 min

Lab File: BF099311.D

Acq: 10 Oct 2017 20:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	14.1	11.0	16.4





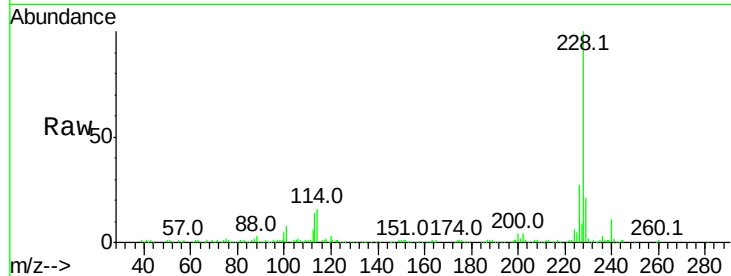
#80
Benzo(a)anthracene
Concen: 13.183 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099311.D
Acq: 10 Oct 2017 20:25

Instrument :
BNA_F
ClientSampleId :
ENV-117-1(0-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	21.0	15.8	23.6

Manual Integrations
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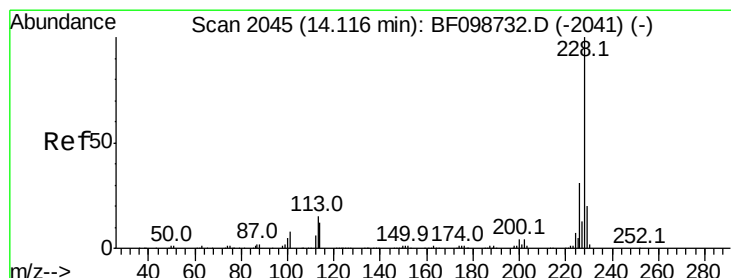
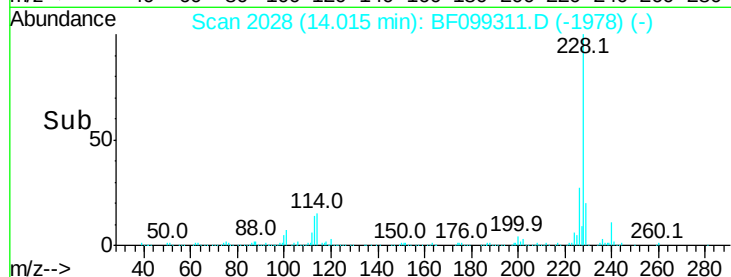
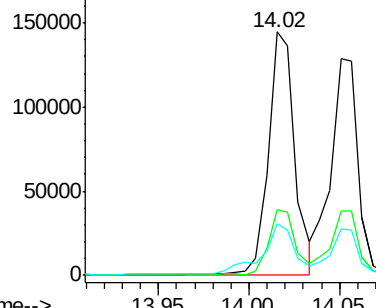


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 12.628 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099311.D
Acq: 10 Oct 2017 20:25

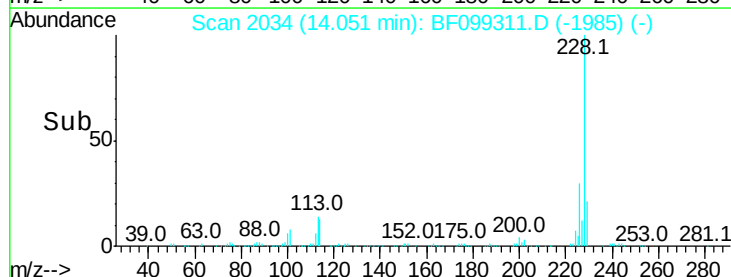
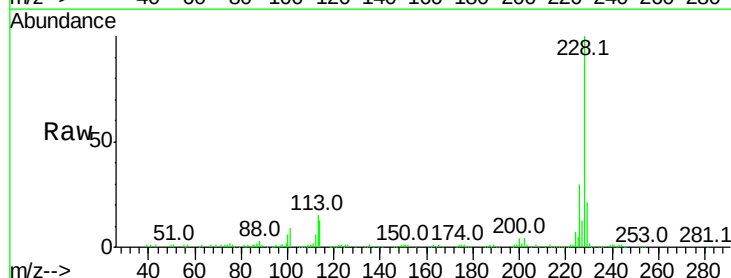
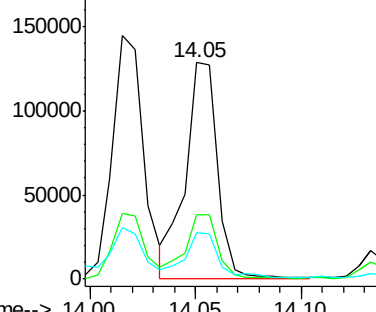
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.4	16.2	24.4

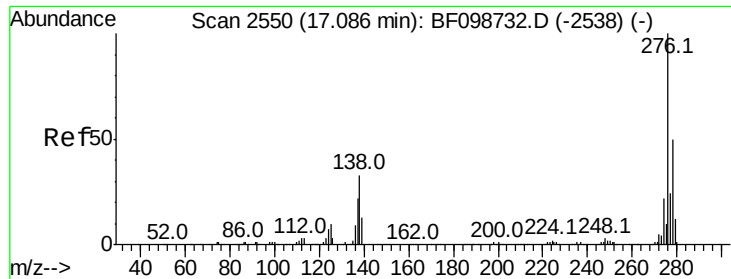
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





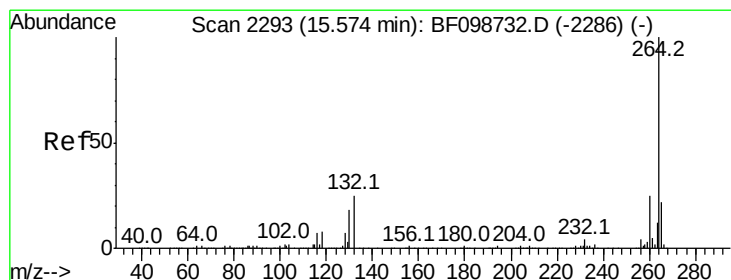
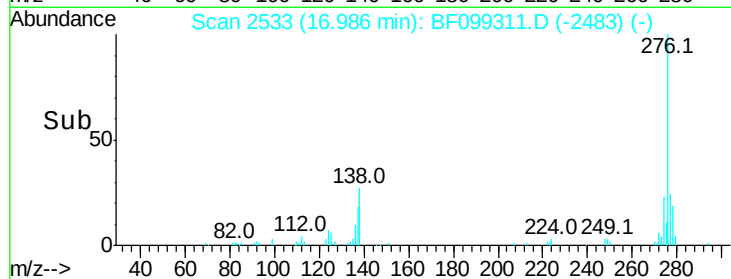
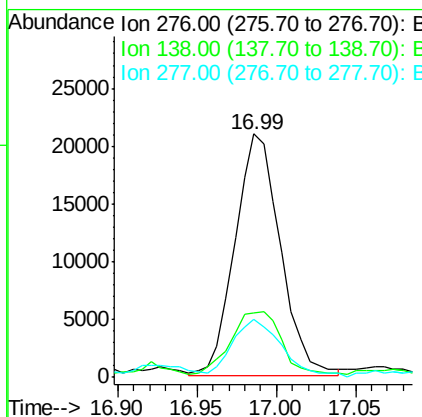
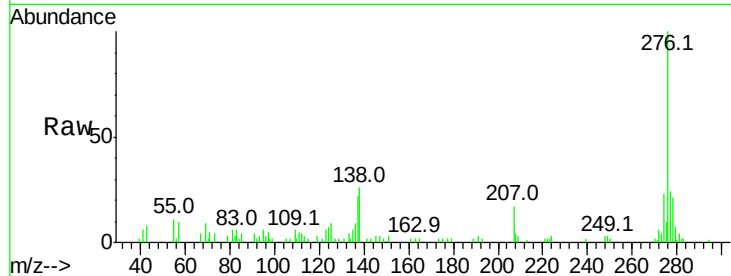
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.856 ng
 RT: 16.99 min Scan# 2533
 Delta R.T. -0.01 min
 Lab File: BF099311.D
 Acq: 10 Oct 2017 20:25

Instrument :
 BNA_F
 ClientSampleId :
 ENV-117-1(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.0	25.0	37.6
277	26.3	20.1	30.1

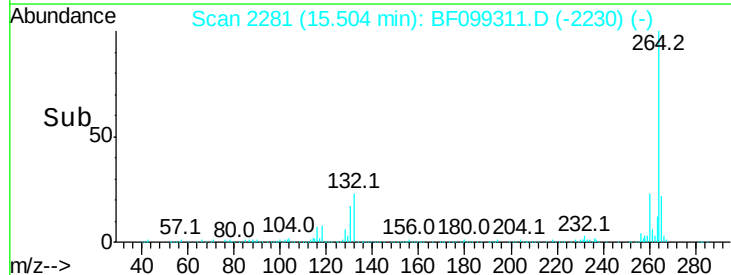
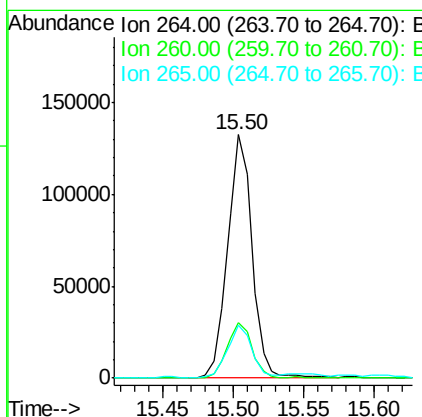
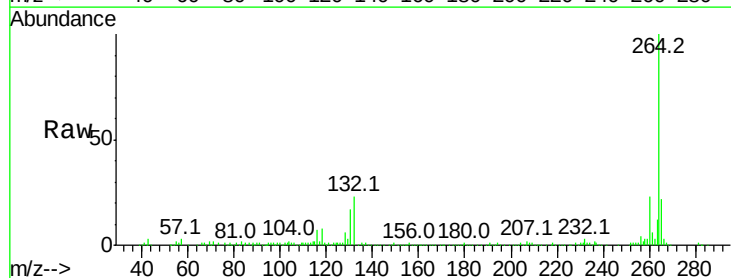
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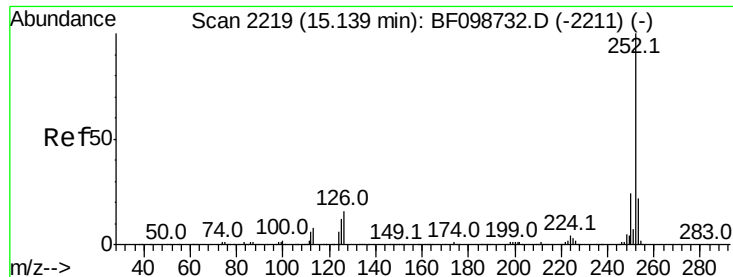
Sohil
 10/11/2017 7:24:00 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: BF099311.D
 Acq: 10 Oct 2017 20:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	21.7	17.5	26.3





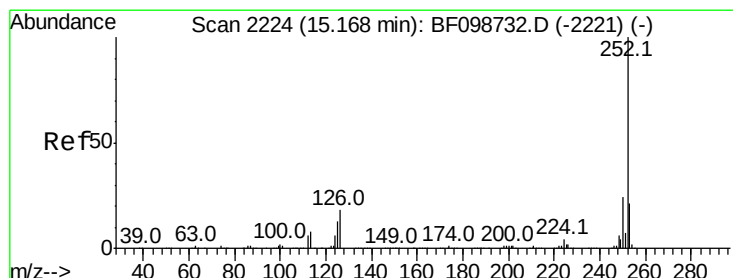
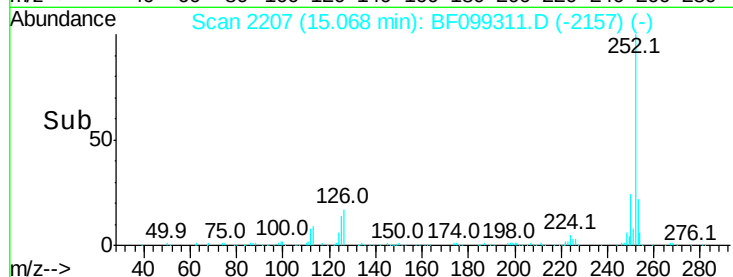
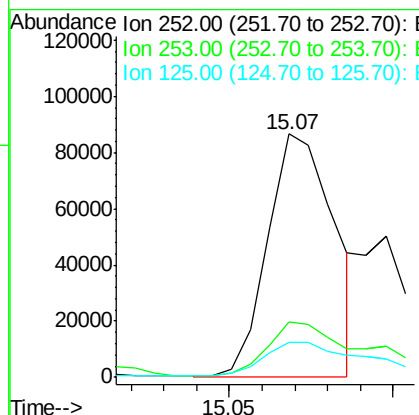
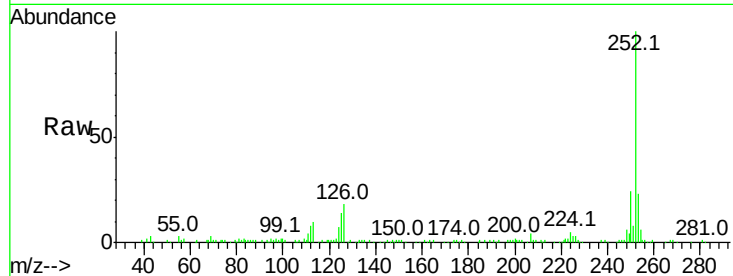
#87
Benzo(b)fluoranthene
Concen: 12.546 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF099311.D
Acq: 10 Oct 2017 20:25

Instrument :
BNA_F
ClientSampleId :
ENV-117-1(0-5)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.8	17.0	25.6
125	14.2	9.0	13.6

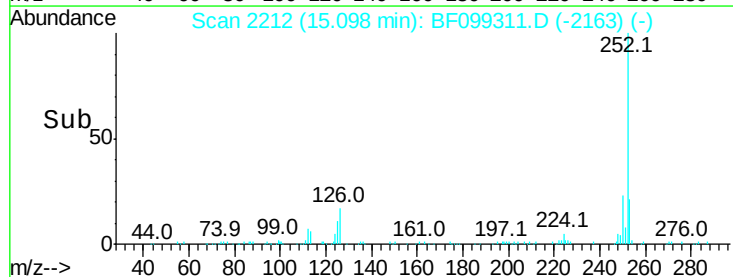
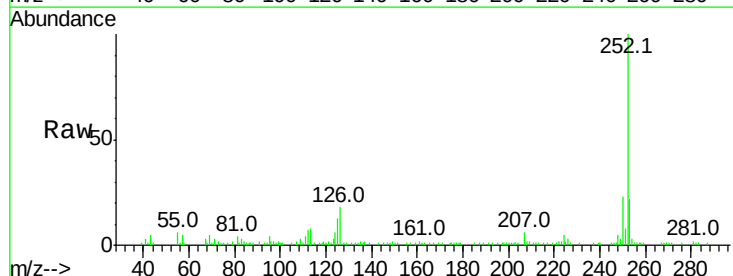
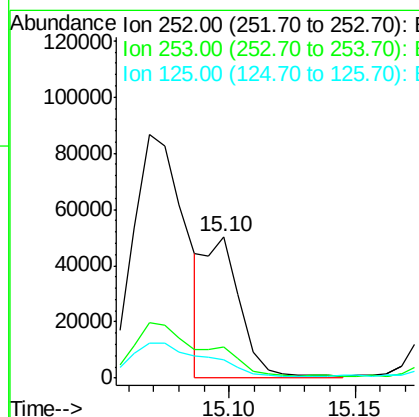
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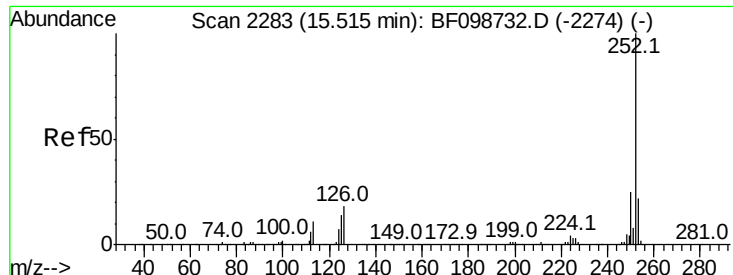
Sohil
10/11/2017 7:24:00 PM



#88
Benzo(k)fluoranthene
Concen: 5.053 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF099311.D
Acq: 10 Oct 2017 20:25

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.7	17.9	26.9
125	12.5	10.2	15.2





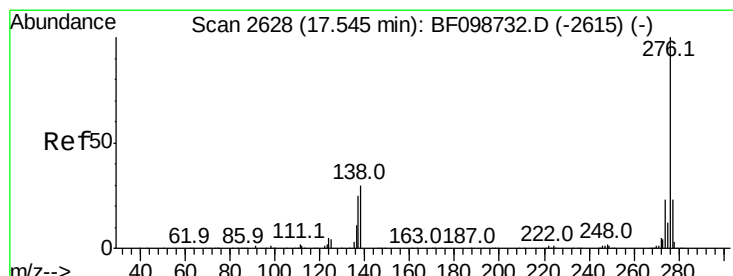
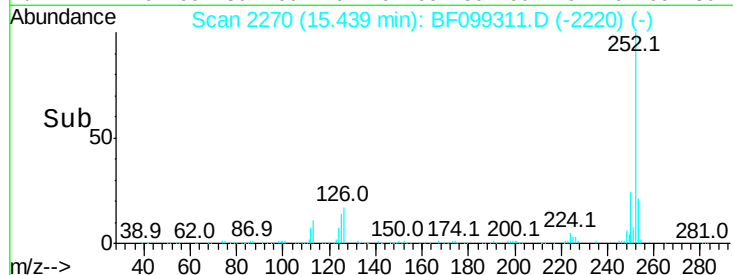
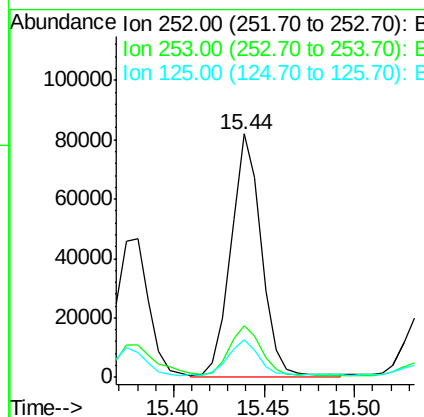
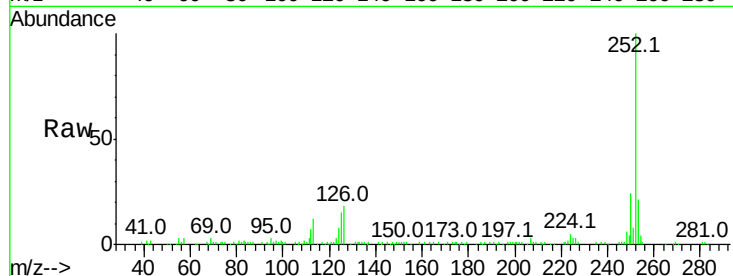
#89
Benzo(a)pyrene
Concen: 10.656 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF099311.D
Acq: 10 Oct 2017 20:25

Instrument :
BNA_F
ClientSampleId :
ENV-117-1(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.1	25.7
125	15.3	9.8	14.6

Manual Integrations
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10/11/2017 7:24:00 PM



#91
Benzo(g,h,i)perylene
Concen: 5.425 ng
RT: 17.44 min Scan# 2610
Delta R.T. -0.01 min
Lab File: BF099311.D
Acq: 10 Oct 2017 20:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	34.0	21.8	32.8

