

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099622.D
 Acq On : 18 Oct 2017 17:32
 Operator : SJ/JU
 Sample : I5834-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-115-4(0-5)

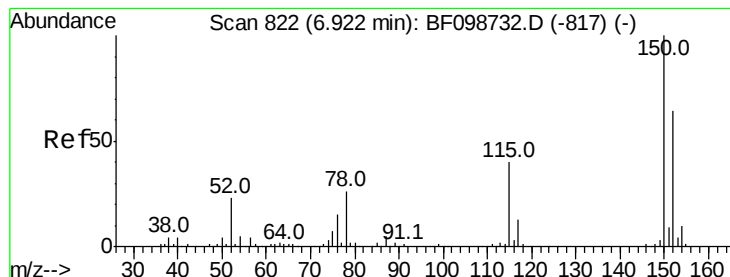
Manual Integrations
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Quant Time: Oct 19 18:06:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 15:18:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	110018	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	466838	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	214328	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	366378	20.00	ng	0.00
75) Chrysene-d12	13.99	240	215580	20.00	ng	0.00
86) Perylene-d12	15.46	264	213705	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	615834	89.11	ng	0.00
7) Phenol-d6	6.47	99	751986	88.20	ng	-0.01
23) Nitrobenzene-d5	7.39	82	445662	61.22	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	157348	89.72	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	748075	58.27	ng	0.00
78) Terphenyl-d14	12.93	244	551801	58.21	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.48	94	46224	4.848	ng	96
31) Naphthalene	8.13	128	58688	2.677	ng	99
49) Dimethylphthalate	9.57	163	190482	11.775	ng	99
51) Acenaphthene	9.89	154	30634	2.284	ng	100
54) Dibenzofuran	10.06	168	41148	2.304	ng	98
57) Fluorene	10.41	166	51032	3.556	ng	98
70) Phenanthrene	11.37	178	511364	26.075	ng	98
71) Anthracene	11.42	178	108065	5.385	ng	99
72) Carbazole	11.59	167	41936	2.134	ng	98
74) Fluoranthene	12.56	202	480093	24.176	ng	99
77) Pyrene	12.79	202	415612	25.282	ng	99
80) Benzo(a)anthracene	13.98	228	170726	13.079	ng	99
82) Chrysene	14.02	228	147892	11.900	ng	98
83) Bis(2-ethylhexyl)phthalate	13.95	149	33379	3.138	ng	99
85) Indeno(1,2,3-cd)pyrene	16.93	276	70772	7.119	ng	97
87) Benzo(b)fluoranthene	15.03	252	163913m	12.475	ng	
88) Benzo(k)fluoranthene	15.06	252	58796m	4.530	ng	
89) Benzo(a)pyrene	15.39	252	126693	10.504	ng	# 93
90) Dibenzo(a,h)anthracene	16.93	278	20735m	2.148	ng	
91) Benzo(a,h,i)perylene	17.37	276	67378	7.062	ng	93

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



#1

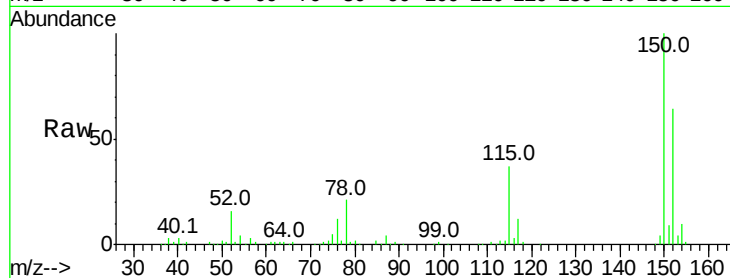
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Instrument :
BNA_F
ClientSampleId :
ENV-115-4(0-5)

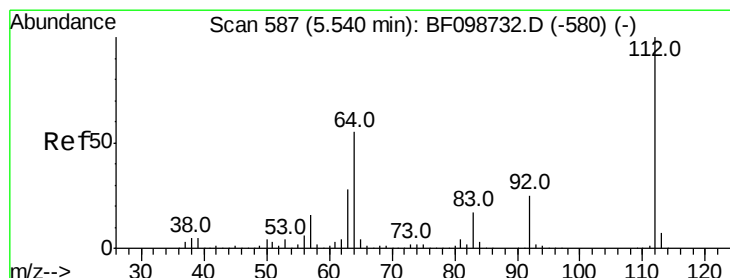
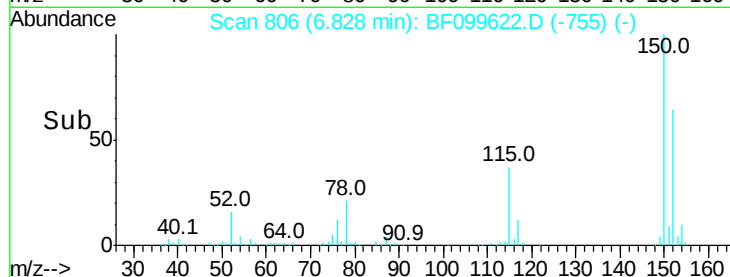
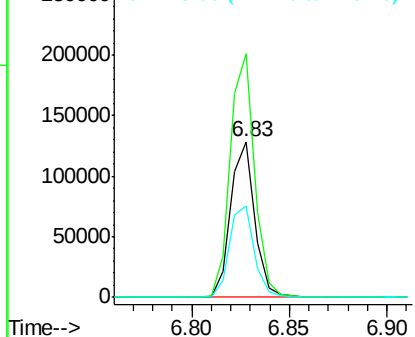
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	58.4	50.1	75.1

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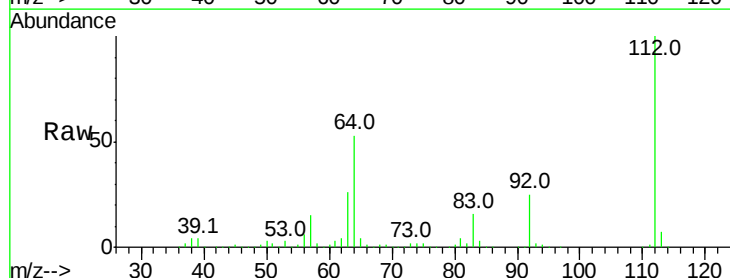
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



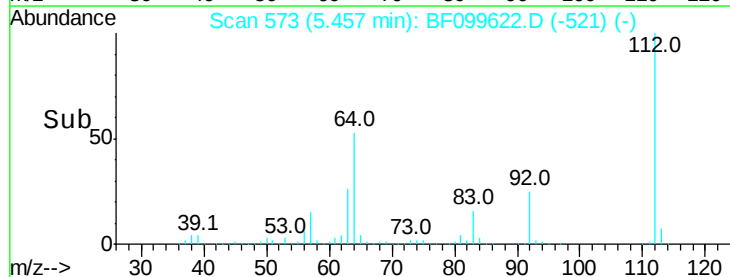
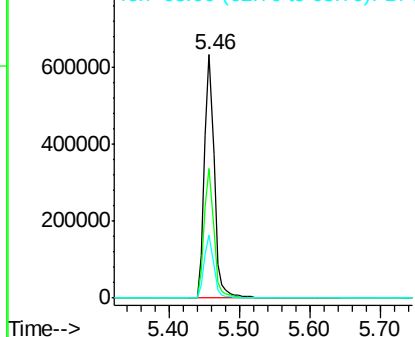
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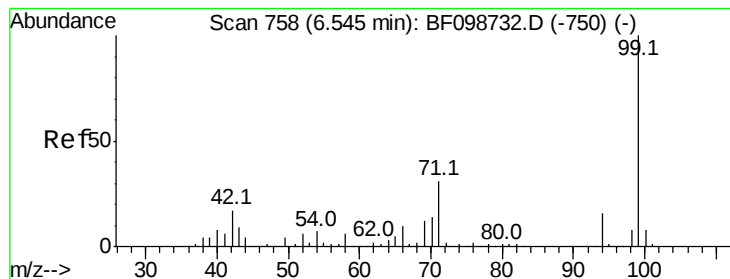
2-Fluorophenol
Concen: 89.108 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	47.9	71.9
63	26.0	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: 88.203 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099622.D

Acq: 18 Oct 2017 17:32

Instrument :

BNA_F

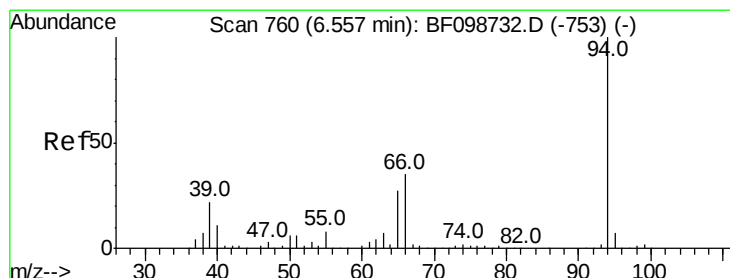
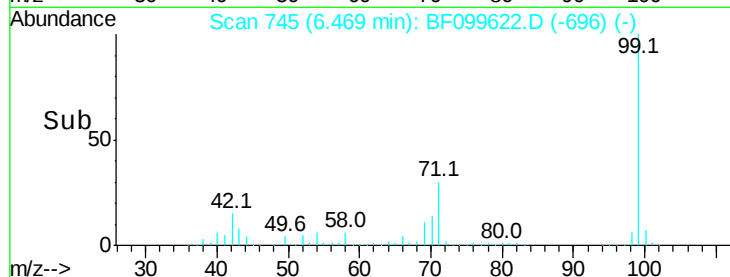
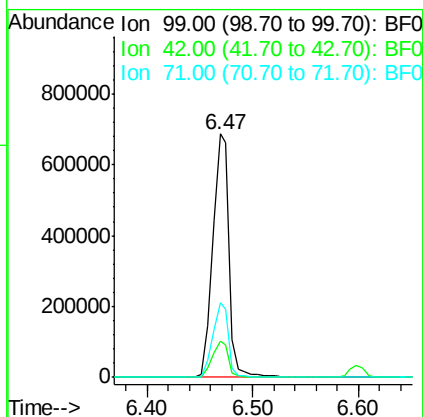
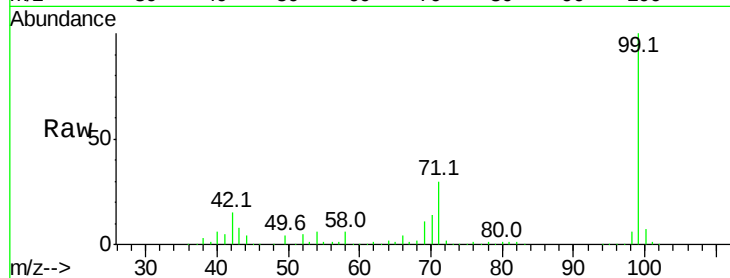
ClientSampleId :

ENV-115-4(0-5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		751986		
42	14.9	14.5	21.7		
71	30.5	25.4	38.0		

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#10

Phenol

Concen: 4.848 ng

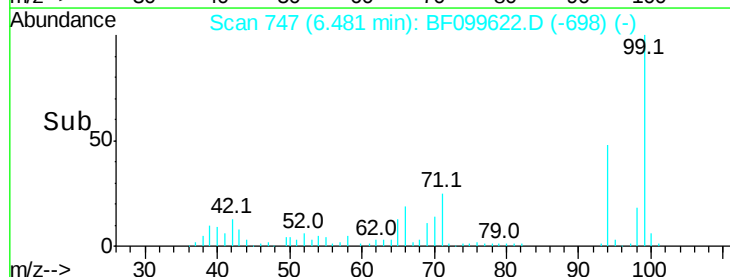
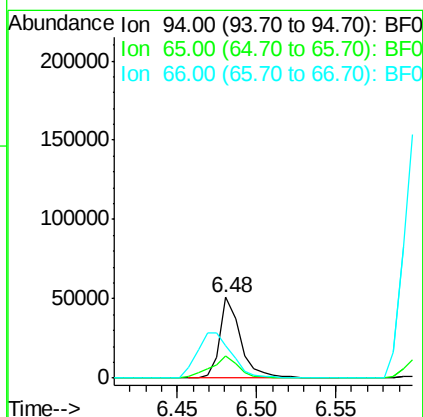
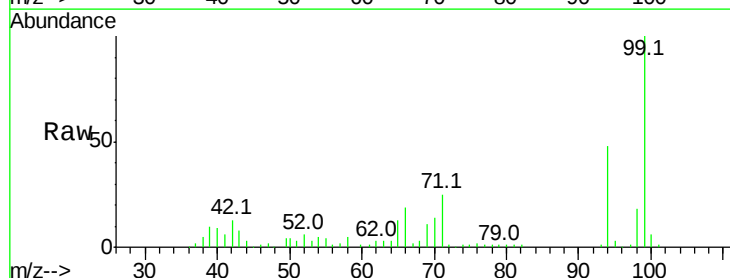
RT: 6.48 min Scan# 747

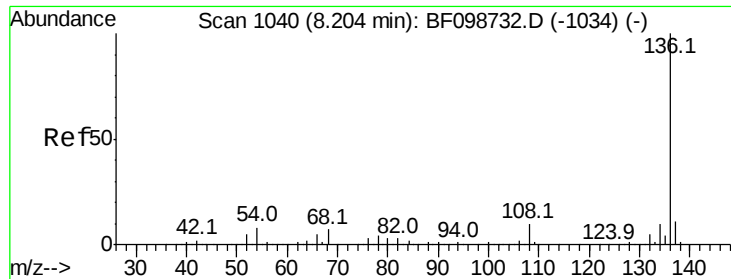
Delta R.T. -0.01 min

Lab File: BF099622.D

Acq: 18 Oct 2017 17:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		46224		
65	27.8	7.9	47.9		
66	40.4	16.2	56.2		





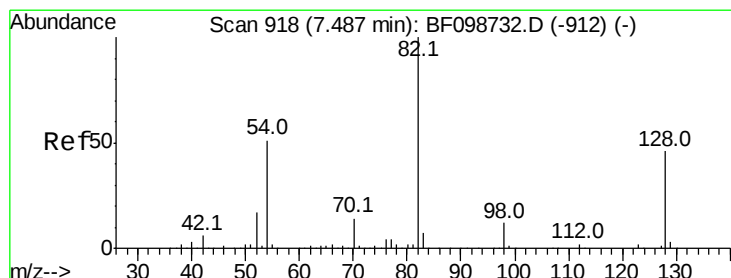
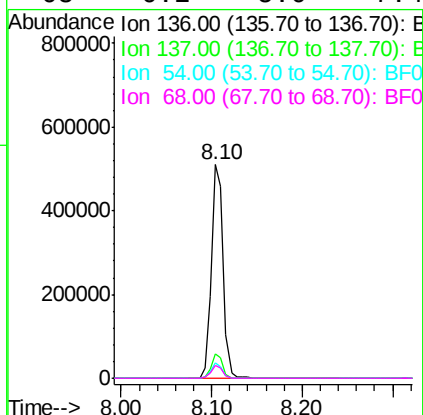
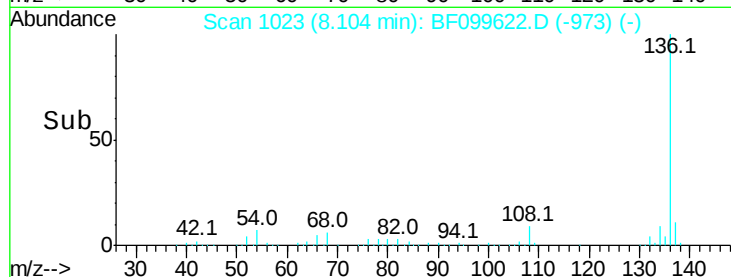
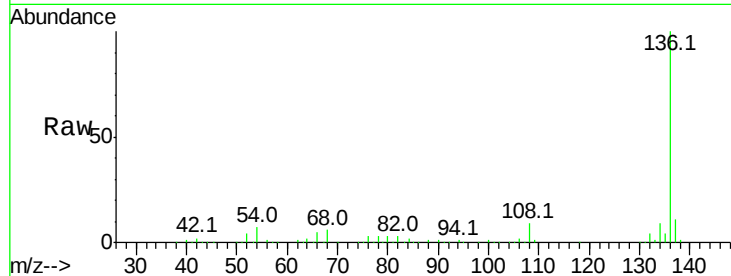
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Instrument :
BNA_F
ClientSampleId :
ENV-115-4(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	466838		
137	11.1		8.9	13.3
54	7.2		6.6	9.8
68	6.2		5.0	7.4

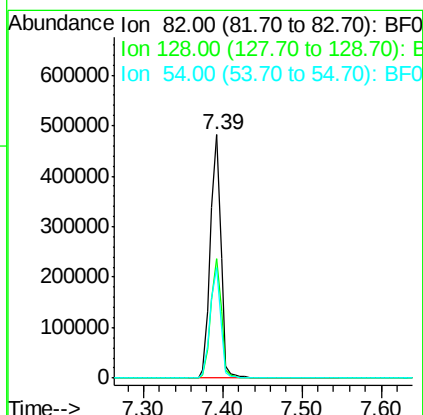
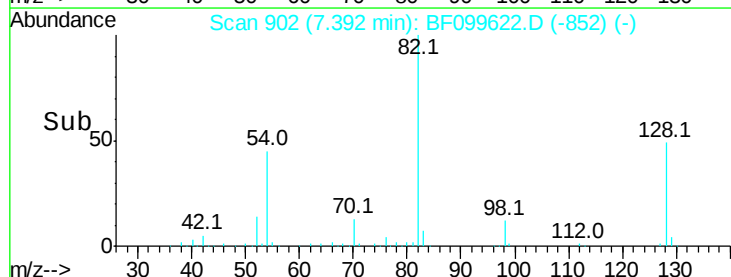
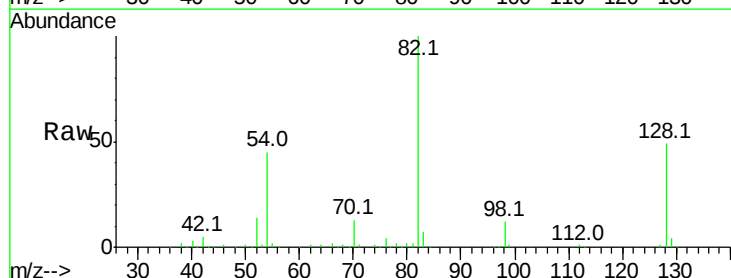
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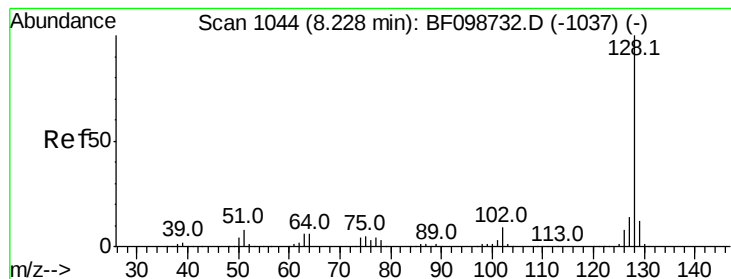
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#23
Nitrobenzene-d5
Concen: 61.221 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	445662		
128	49.1		36.1	54.1
54	45.5		41.4	62.2





#31

Naphthalene

Concen: 2.677 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF099622.D

Acq: 18 Oct 2017 17:32

Instrument :

BNA_F

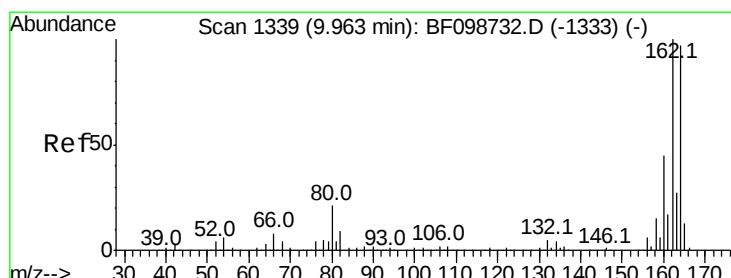
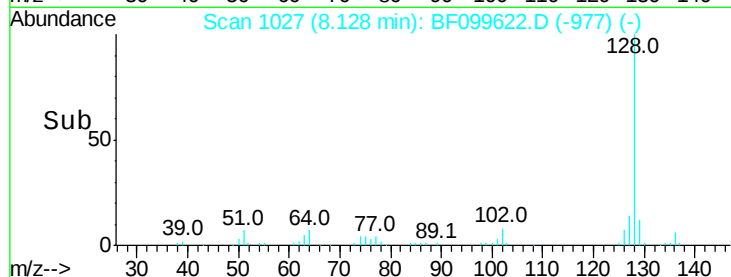
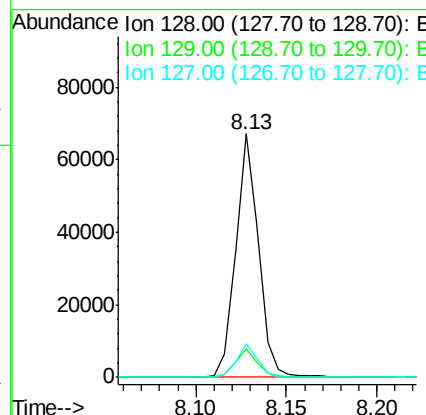
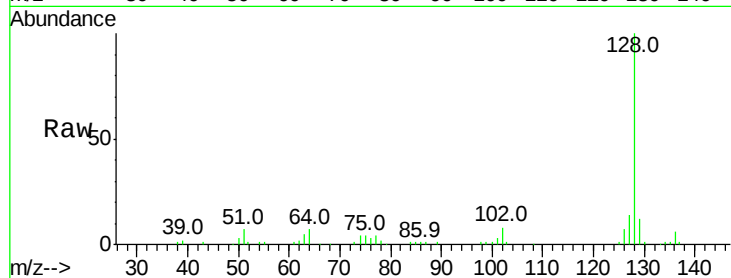
ClientSampleId :

ENV-115-4(0-5)

Tot Ion:	128	Resp:	58688
Ion Ratio	Lower	Upper	
128	100		
129	12.0	8.8	13.2
127	13.7	10.9	16.3

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#38

Acenaphthene-d10

Concen: 20.000 ng

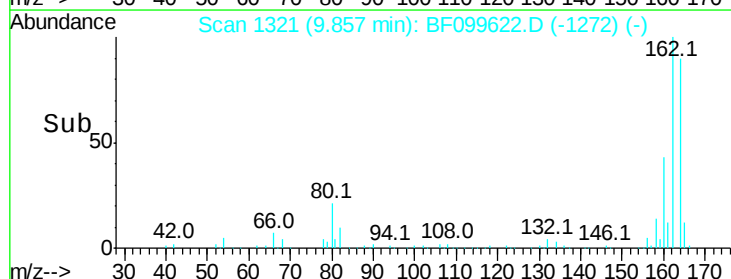
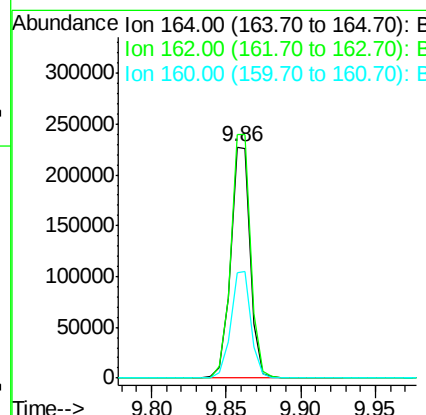
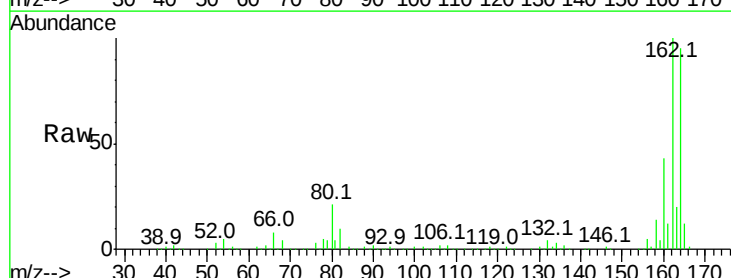
RT: 9.86 min Scan# 1321

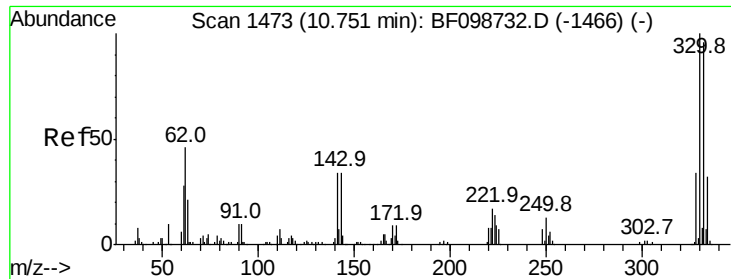
Delta R.T. -0.01 min

Lab File: BF099622.D

Acq: 18 Oct 2017 17:32

Tgt Ion:	164	Resp:	214328
Ion Ratio	Lower	Upper	
164	100		
162	105.2	86.1	129.1
160	45.3	38.3	57.5





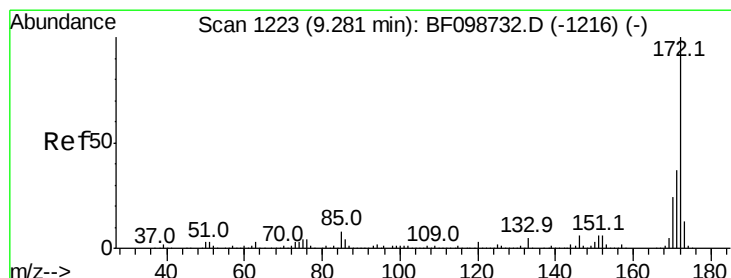
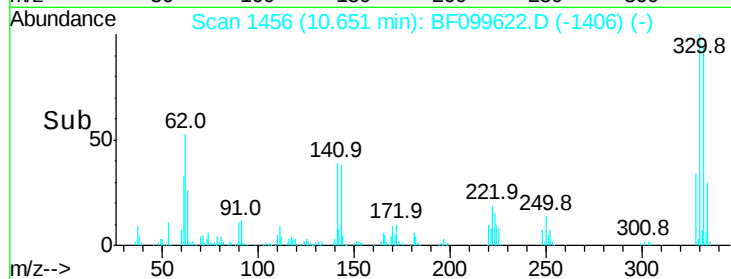
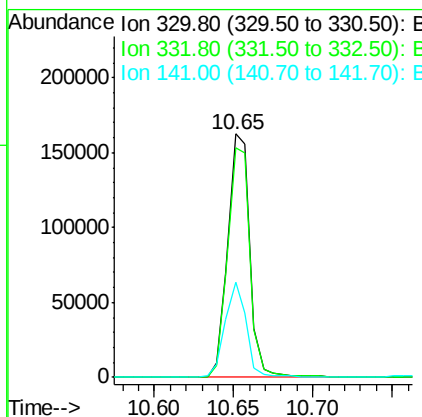
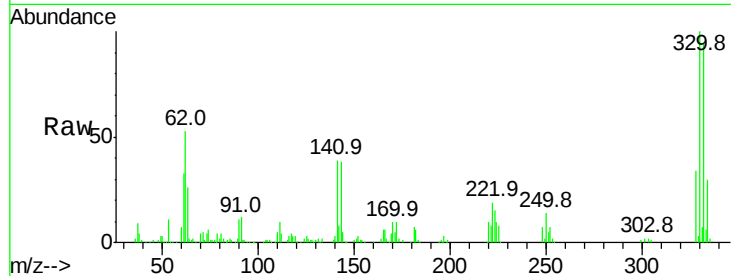
#41
 2,4,6-Tribromophenol
 Concen: 89.719 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF099622.D
 Acq: 18 Oct 2017 17:32

Instrument :
 BNA_F
 ClientSampleId :
 ENV-115-4(0-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	38.0	29.9	44.9

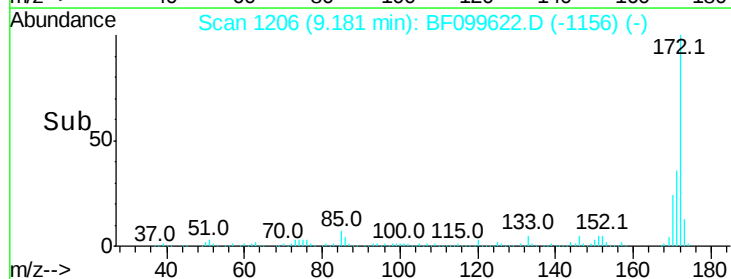
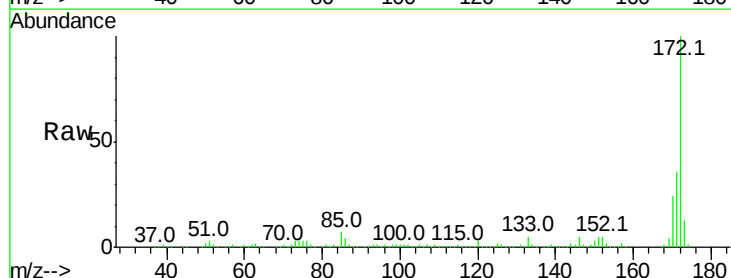
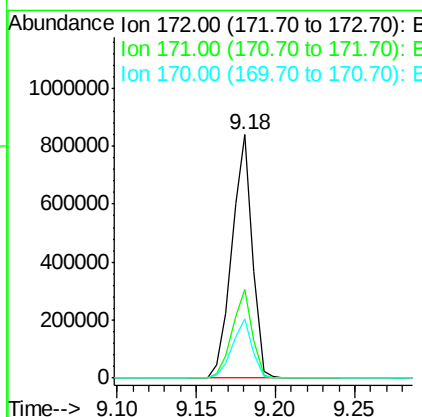
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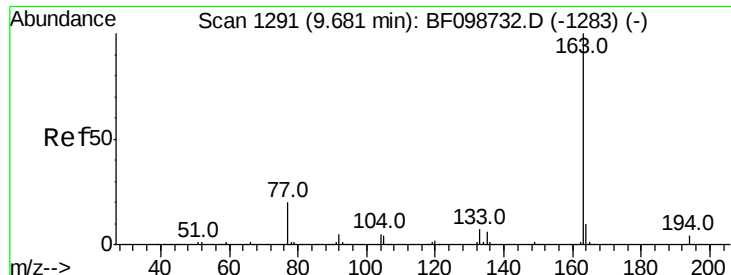
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#44
 2-Fluorobiphenyl
 Concen: 58.268 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099622.D
 Acq: 18 Oct 2017 17:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	19.6	29.4





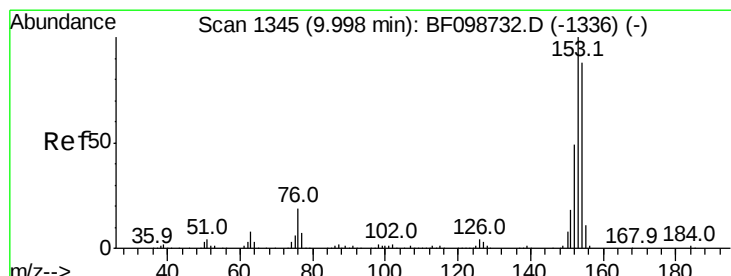
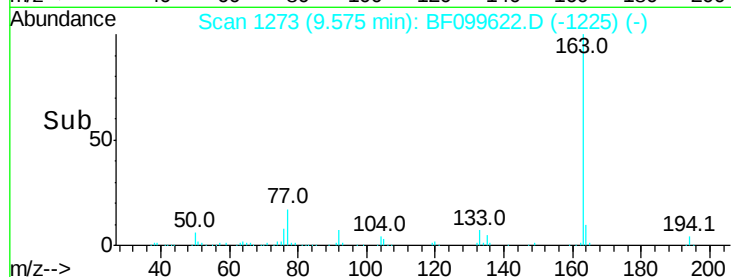
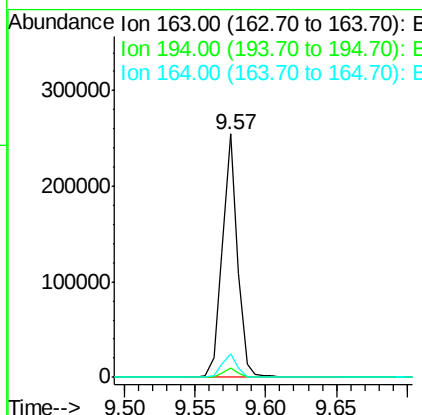
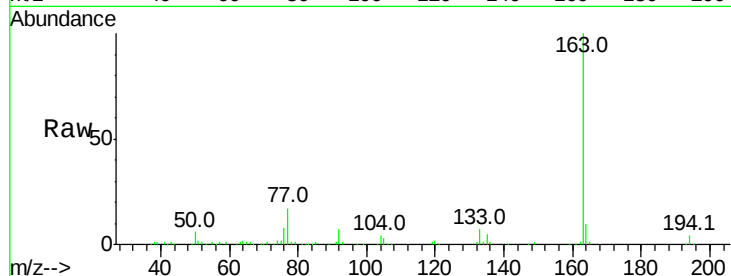
#49
Dimethylphthalate
Concen: 11.775 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Instrument :
BNA_F
ClientSampleId :
ENV-115-4(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	190482		
194	3.6	2.7	4.1	
164	9.8	8.2	12.2	

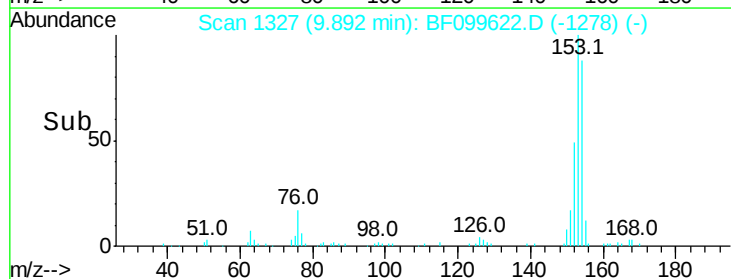
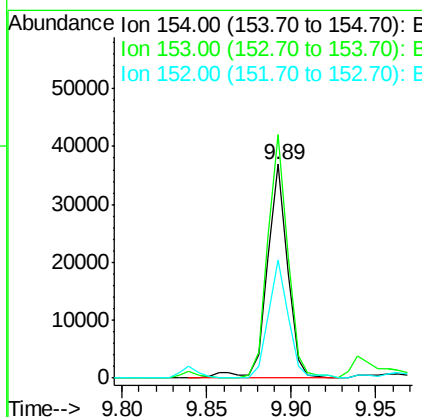
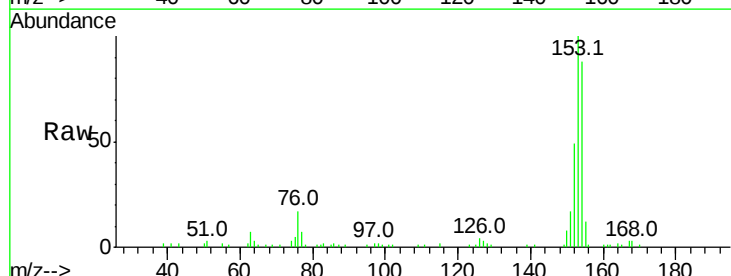
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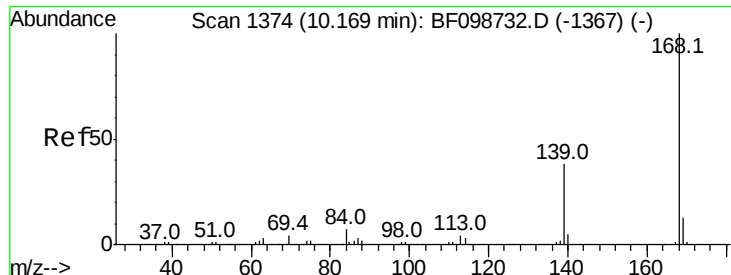
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#51
Acenaphthene
Concen: 2.284 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	30634		
153	113.7	91.2	136.8	
152	55.3	43.8	65.8	





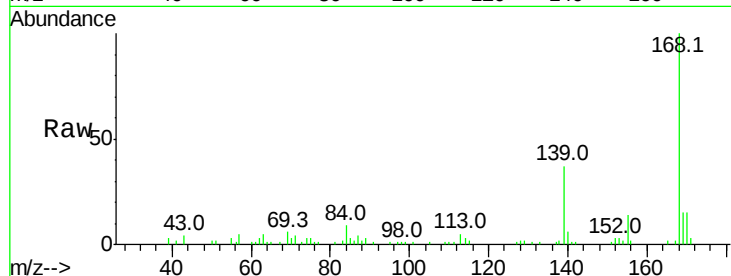
#54
Dibenzenofuran
Concen: 2.304 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.01 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Instrument :
BNA_F
ClientSampleId :
ENV-115-4(0-5)

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.9	30.1	45.1
169	15.4	10.9	16.3

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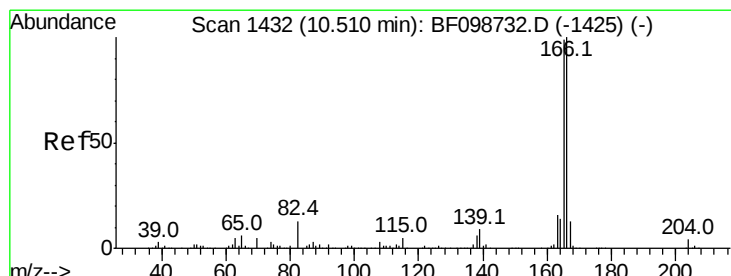
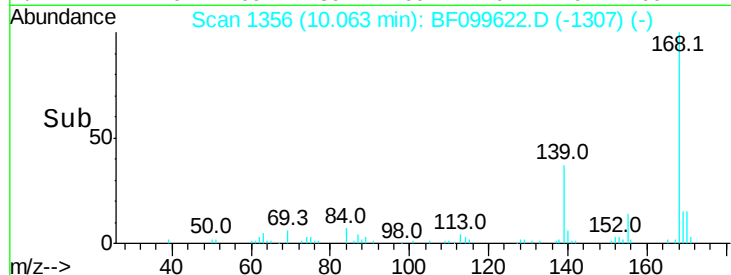
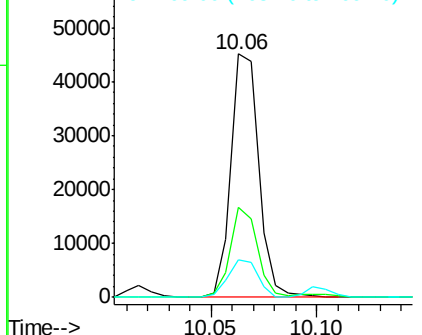


Abundance

Ion 168.00 (167.70 to 168.70): E

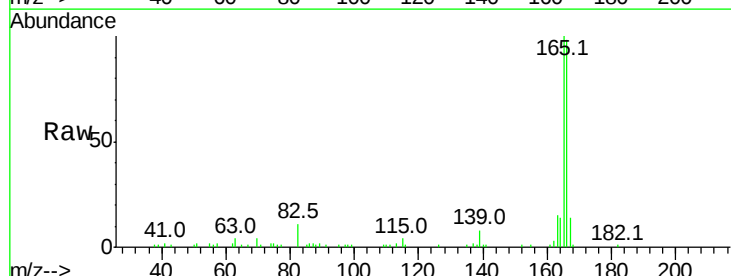
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57
Fluorene
Concen: 3.556 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.6	79.8	119.8
167	14.1	10.6	16.0

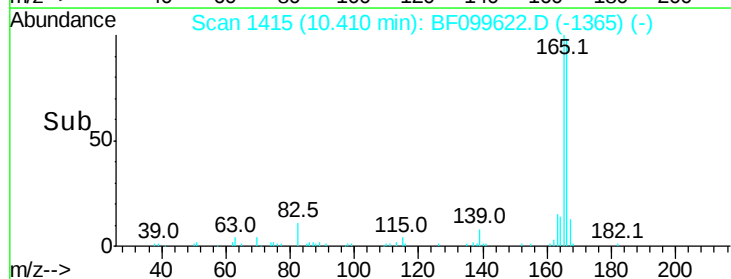
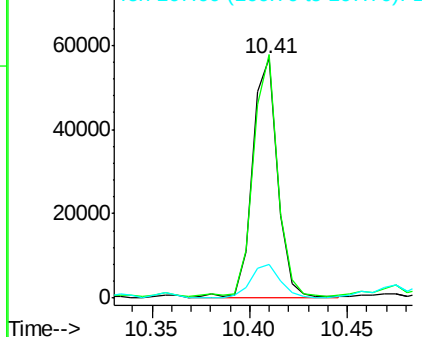


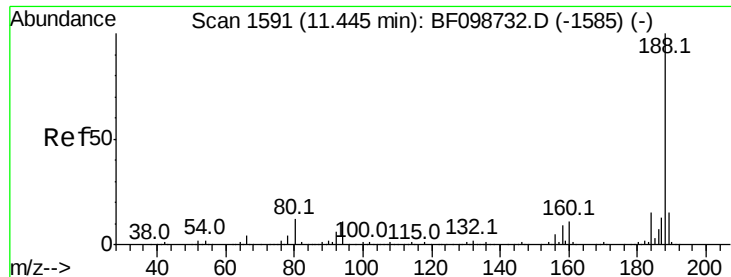
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





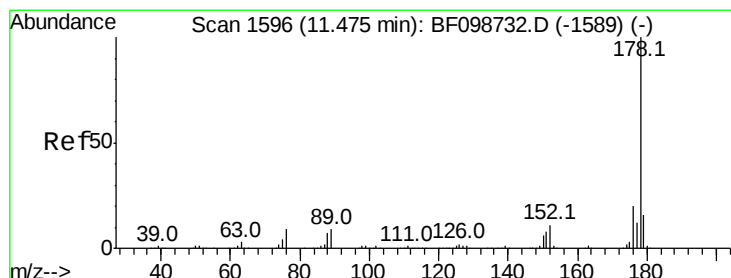
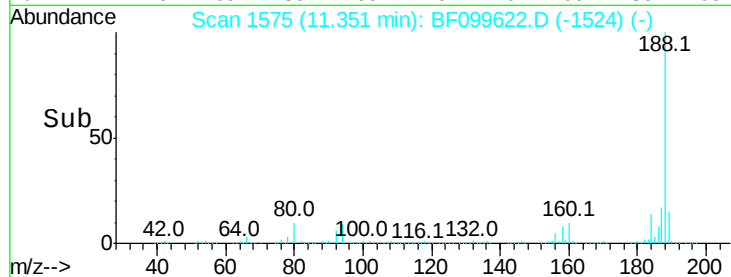
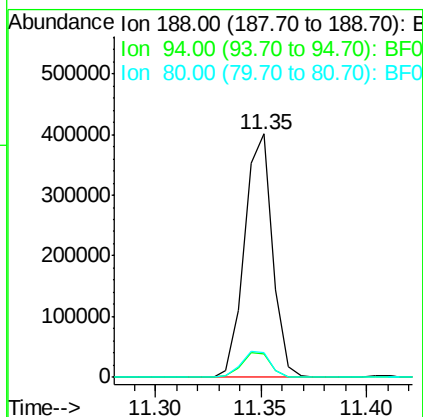
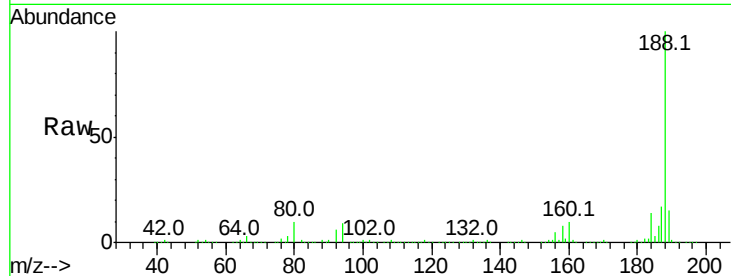
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Instrument :
BNA_F
ClientSampleId :
ENV-115-4(0-5)

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.4	8.5	12.7
80	10.2	9.2	13.8

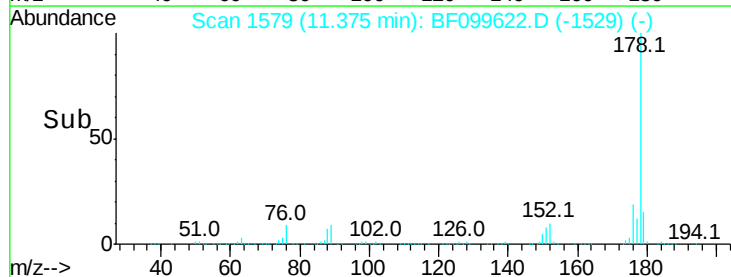
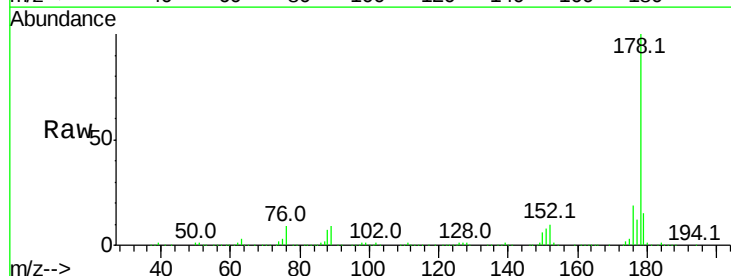
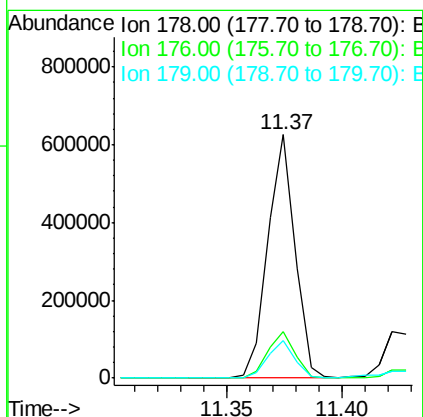
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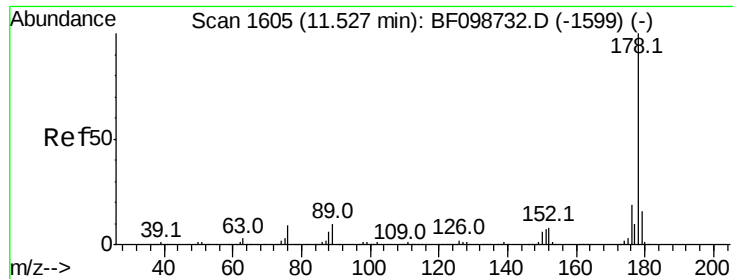
Sohil
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#70
Phenanthrene
Concen: 26.075 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.2	15.8	23.8
179	15.5	13.0	19.6





#71

Anthracene

Concen: 5.385 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF099622.D

Acq: 18 Oct 2017 17:32

Instrument :

BNA_F

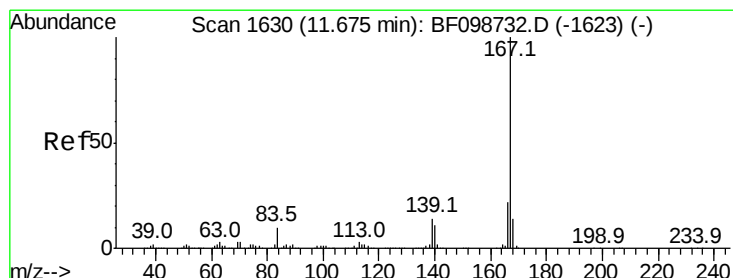
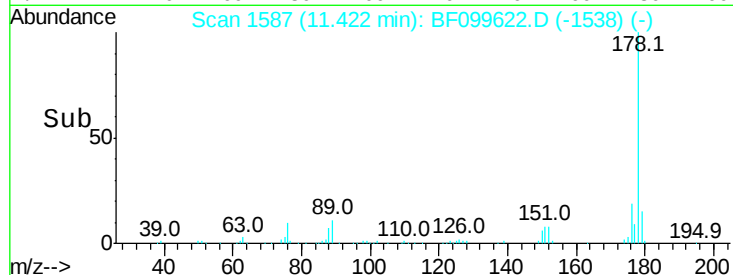
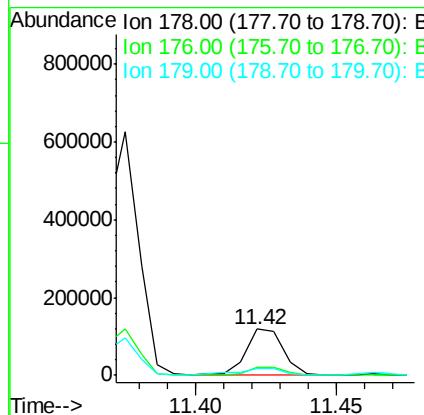
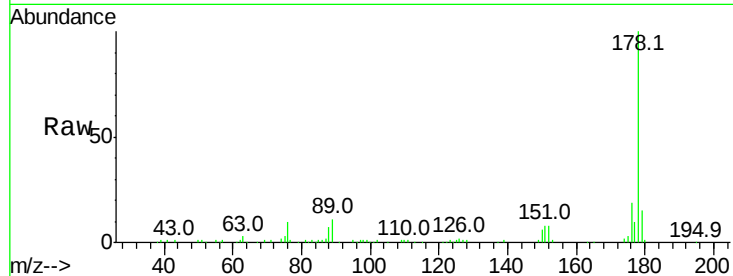
ClientSampleId :

ENV-115-4(0-5)

Tot Ion:	178	Resp:	108065
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.4	23.2
179	15.3	12.6	19.0

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#72

Carbazole

Concen: 2.134 ng

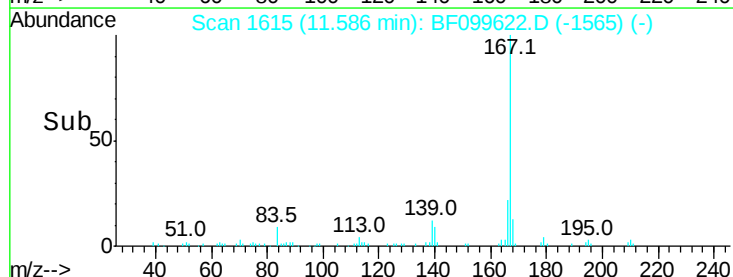
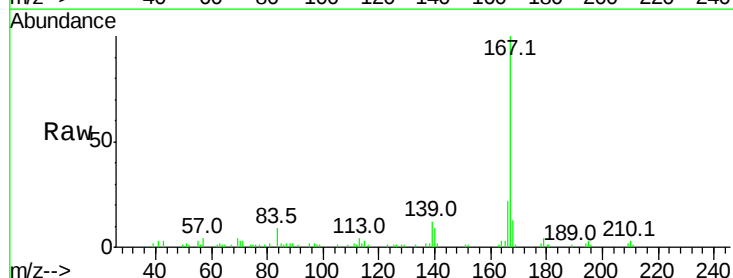
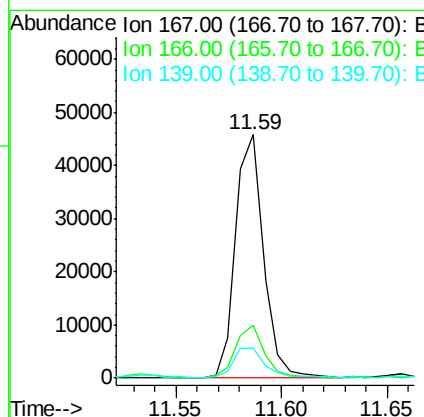
RT: 11.59 min Scan# 1615

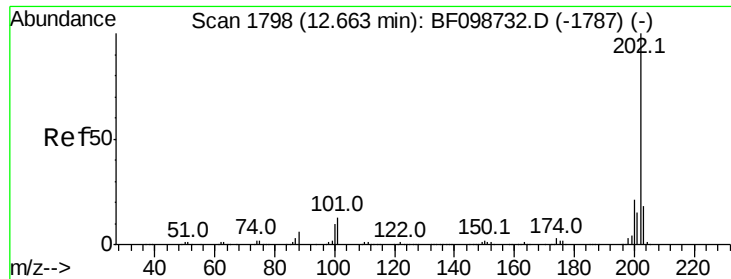
Delta R.T. -0.01 min

Lab File: BF099622.D

Acq: 18 Oct 2017 17:32

Tgt Ion:	167	Resp:	41936
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.6	26.4
139	12.3	10.9	16.3





#74

Fluoranthene

Concen: 24.176 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF099622.D

Acq: 18 Oct 2017 17:32

Instrument :

BNA_F

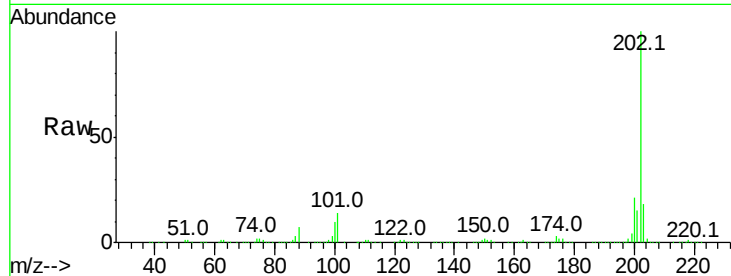
ClientSampled :

ENV-115-4(0-5)

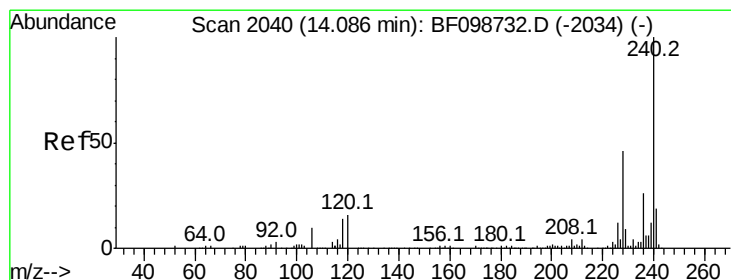
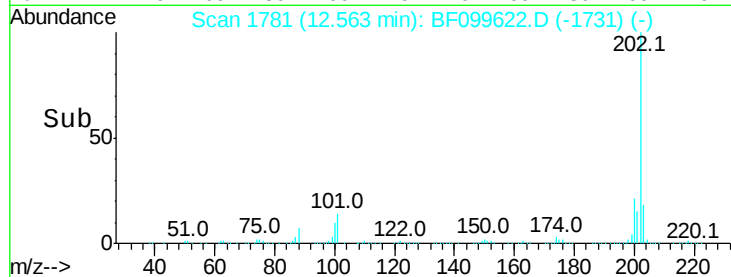
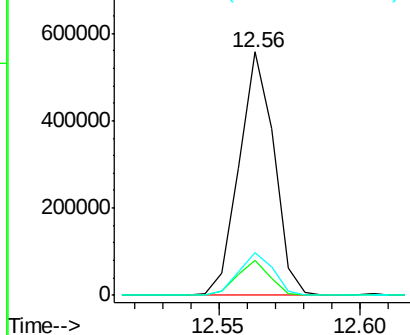
Tot Ion:	202	Resp:	480093
Ion Ratio	Lower	Upper	
202	100		
101	14.2	0.0	34.1
203	17.7	0.0	38.1

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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

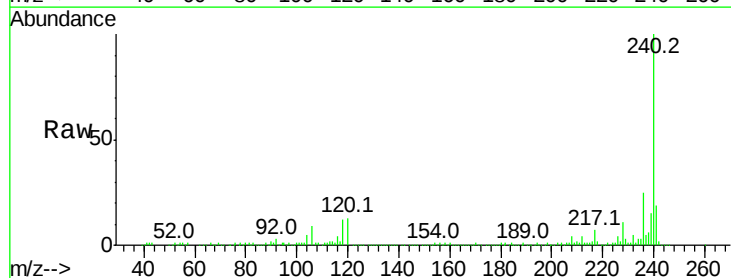
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

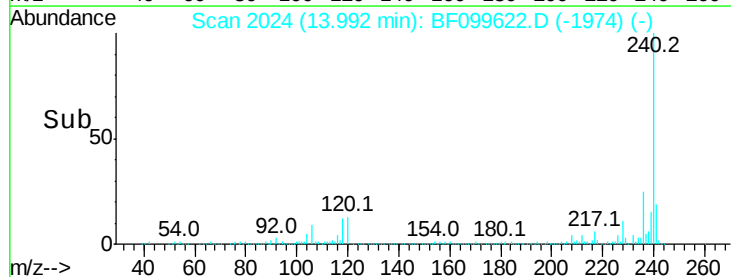
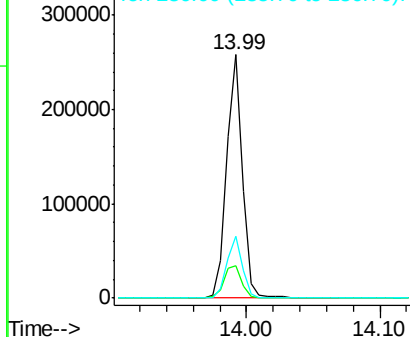
Lab File: BF099622.D

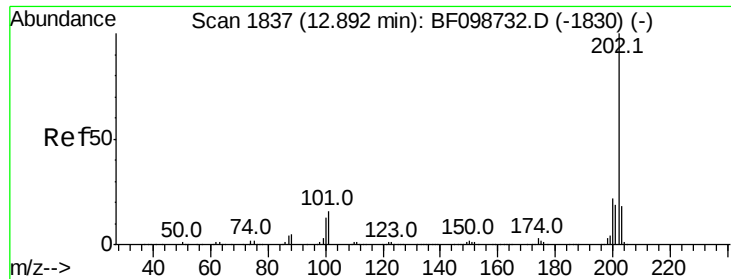
Acq: 18 Oct 2017 17:32

Tgt Ion:	240	Resp:	215580
Ion Ratio	Lower	Upper	
240	100		
120	13.5	9.5	14.3
236	25.2	20.7	31.1



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

Pvrene

Concen: 25.282 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF099622.D

Acq: 18 Oct 2017 17:32

Instrument :

BNA_F

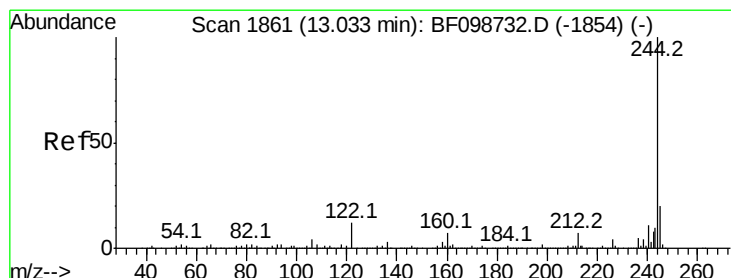
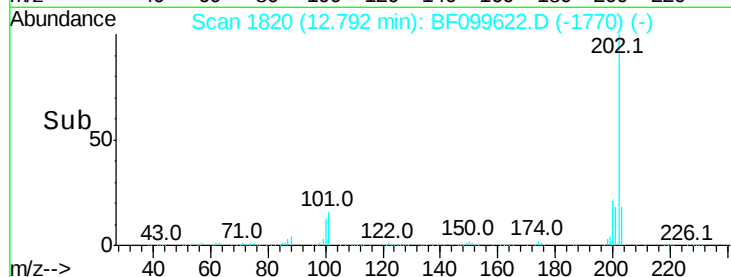
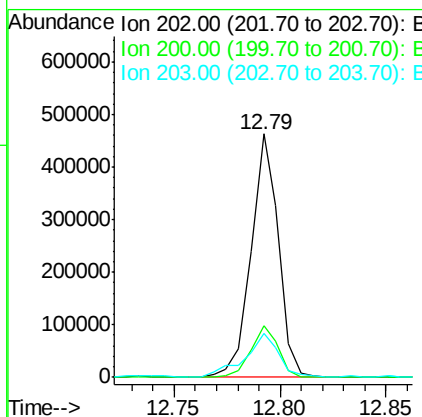
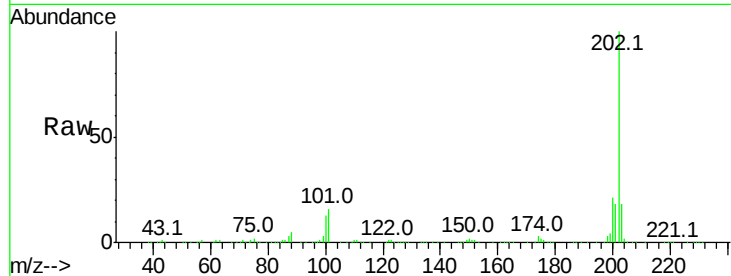
ClientSampleId :

ENV-115-4(0-5)

Tot Ion:	202	Resp:	415612
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	18.0	14.3	21.5

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#78

Terphenyl-d14

Concen: 58.211 ng

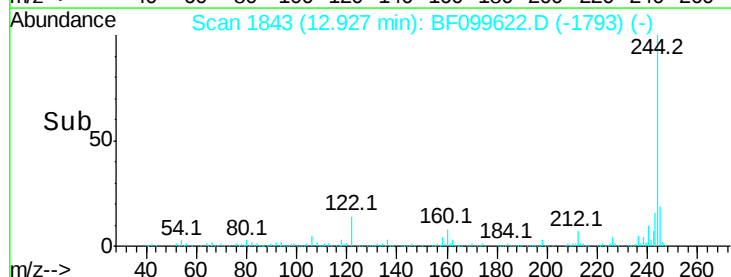
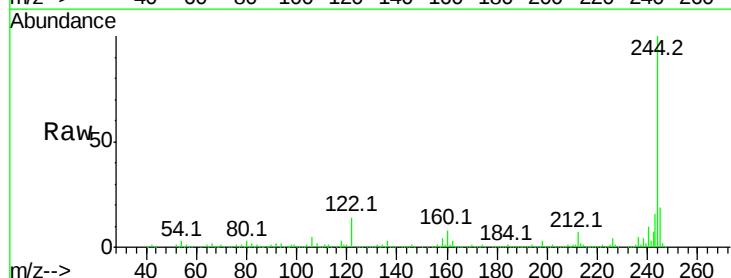
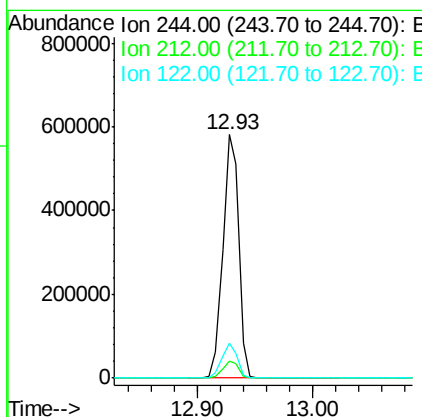
RT: 12.93 min Scan# 1843

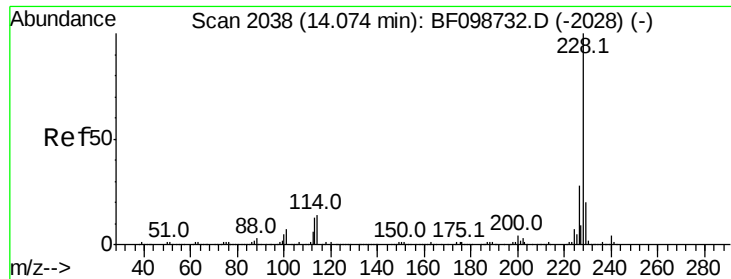
Delta R.T. -0.01 min

Lab File: BF099622.D

Acq: 18 Oct 2017 17:32

Tgt Ion:	244	Resp:	551801
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	14.3	11.0	16.4





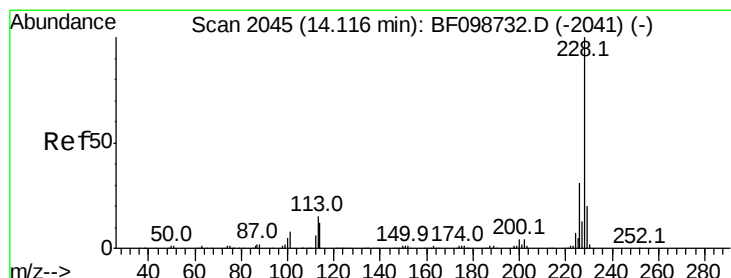
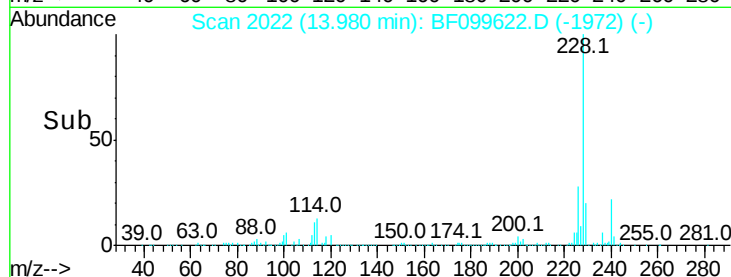
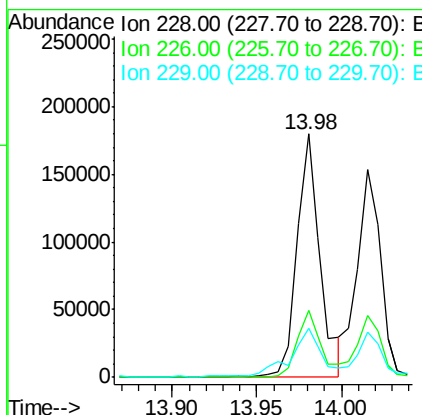
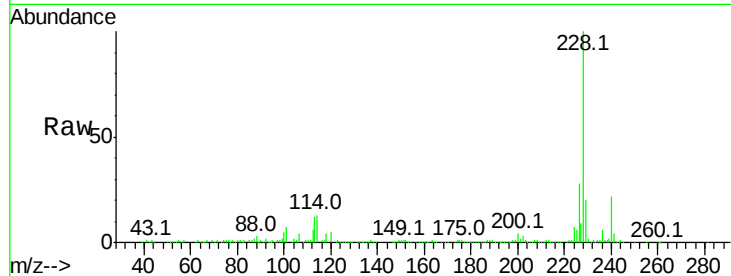
#80
Benzo(a)anthracene
Concen: 13.079 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Instrument :
BNA_F
ClientSampleId :
ENV-115-4(0-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.3	15.8	23.6

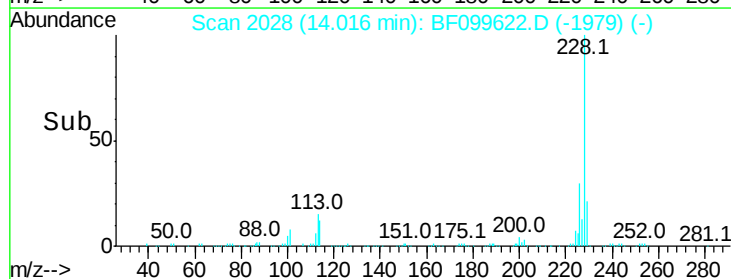
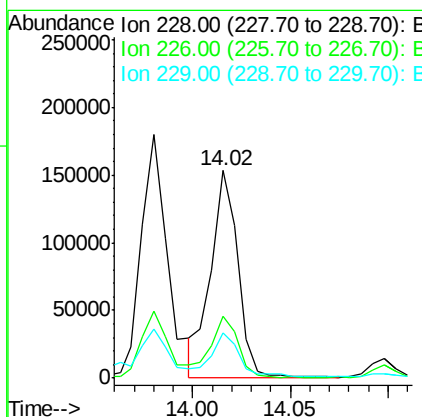
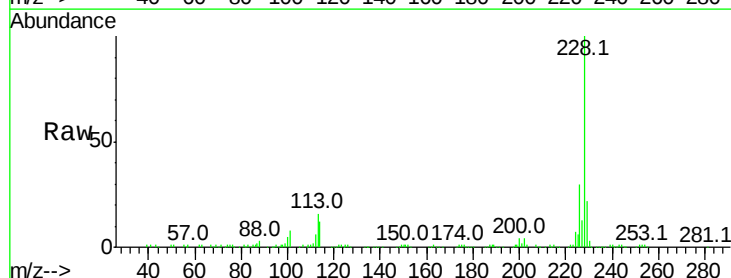
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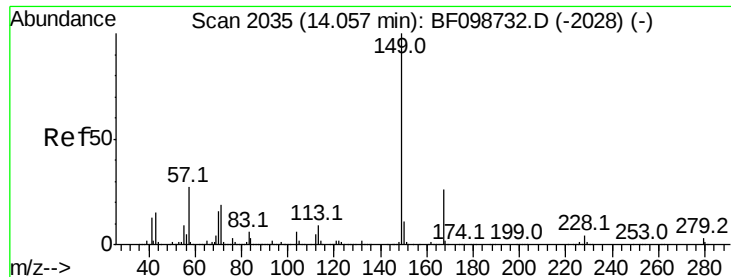
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#82
Chrysene
Concen: 11.900 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.5	16.2	24.4





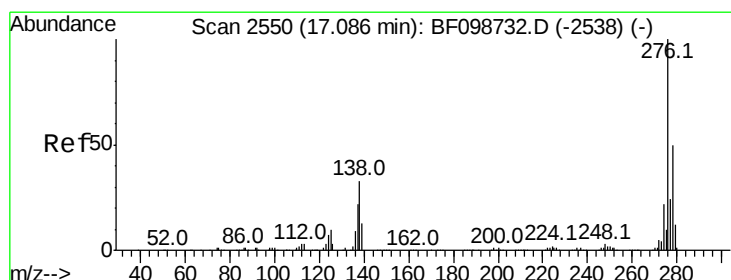
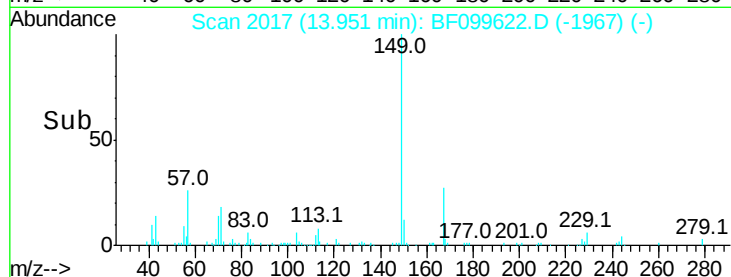
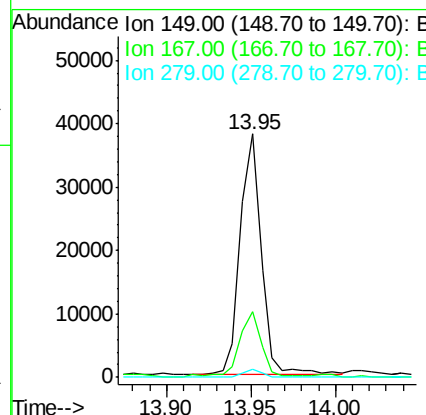
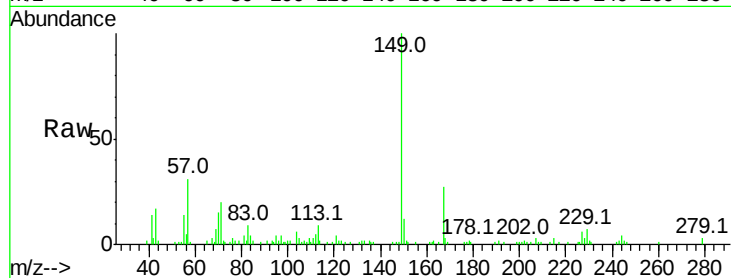
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.138 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF099622.D
 Acq: 18 Oct 2017 17:32

Instrument :
 BNA_F
 ClientSampleId :
 ENV-115-4(0-5)

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.3	31.9
279	3.2	3.0	4.4

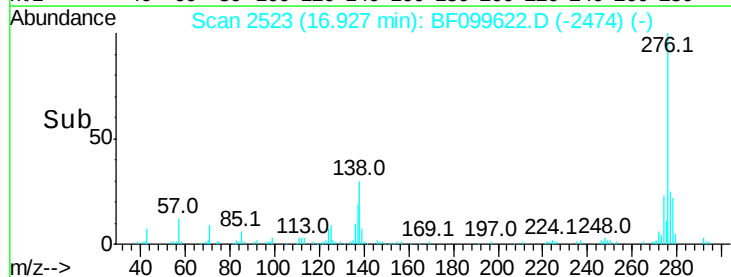
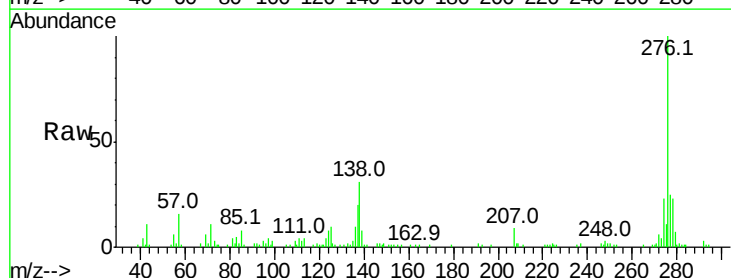
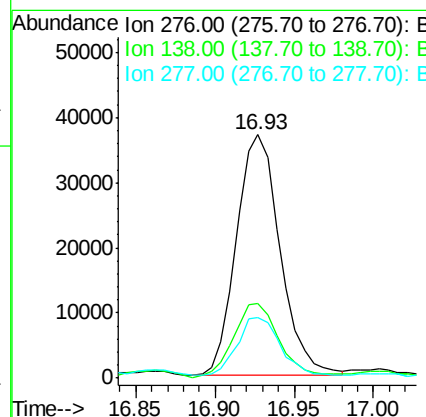
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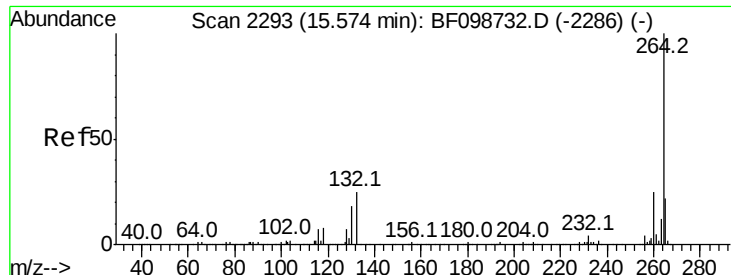
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.119 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.01 min
 Lab File: BF099622.D
 Acq: 18 Oct 2017 17:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.5	25.0	37.6
277	25.7	20.1	30.1





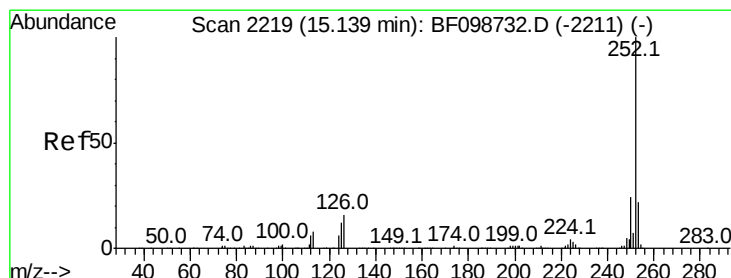
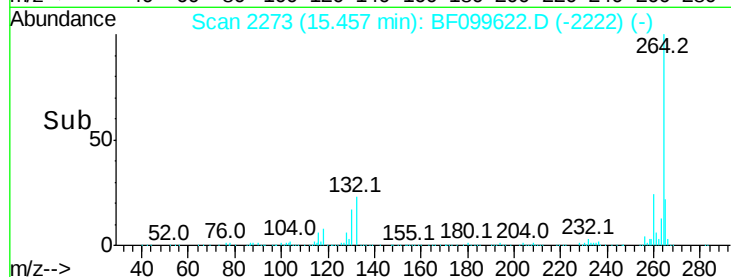
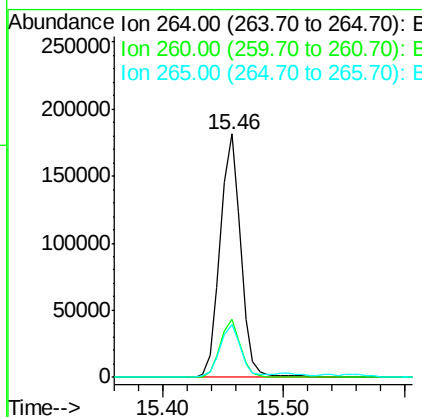
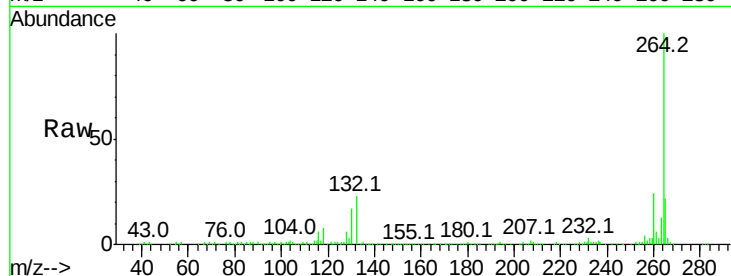
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Instrument :
BNA_F
ClientSampleId :
ENV-115-4(0-5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.7	17.5	26.3

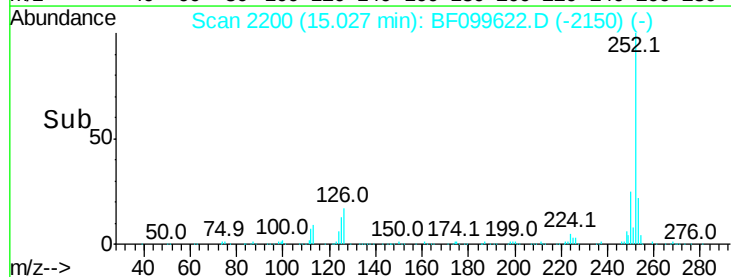
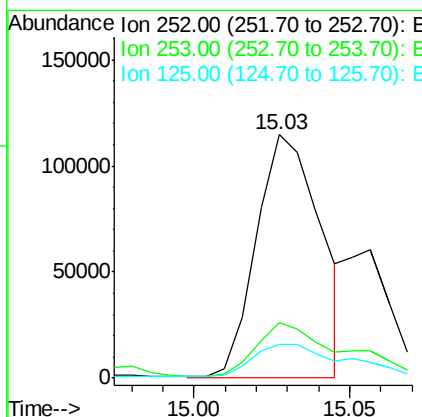
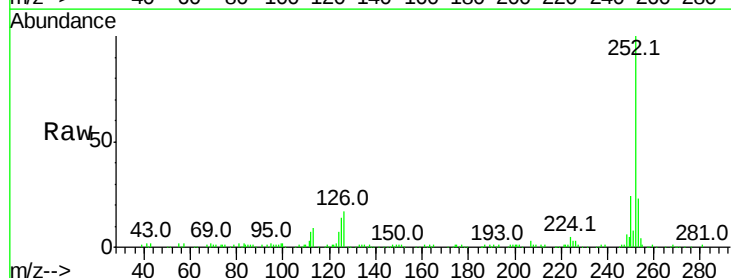
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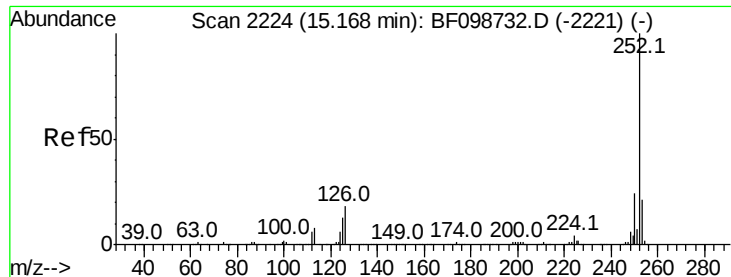
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#87
Benzo(b)fluoranthene
Concen: 12.475 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	13.7	9.0	13.6#





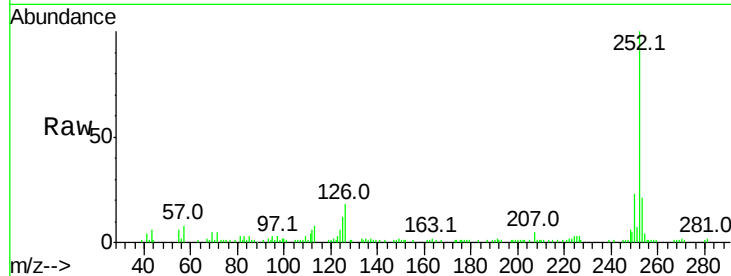
#88
Benzo(k)fluoranthene
Concen: 4.530 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Instrument :
BNA_F
ClientSampleId :
ENV-115-4(0-5)

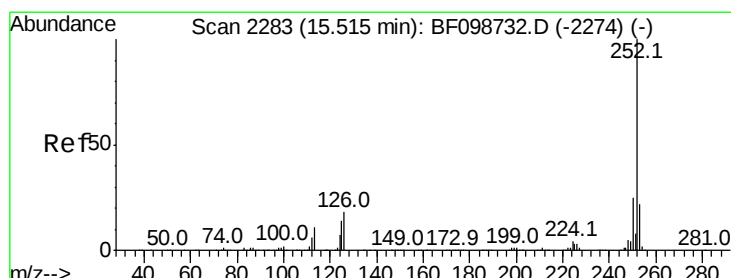
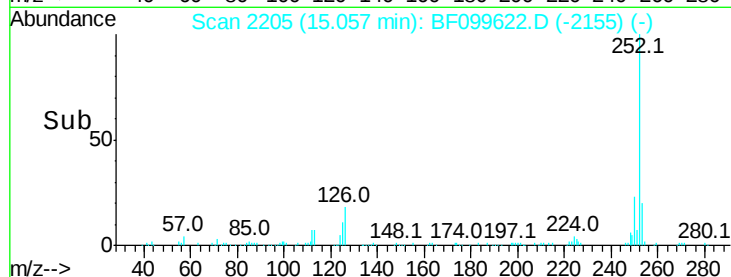
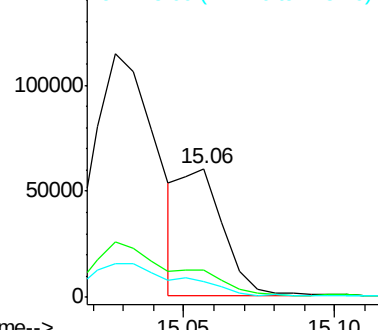
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.9	26.9
125	12.0	10.2	15.2

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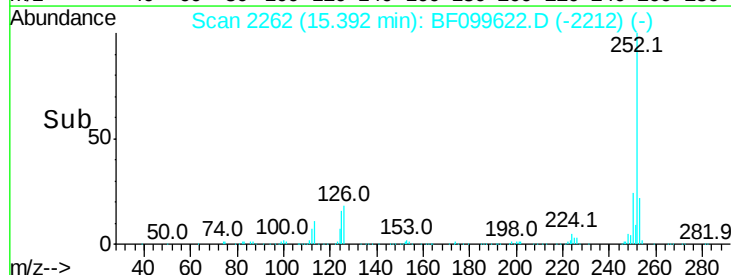
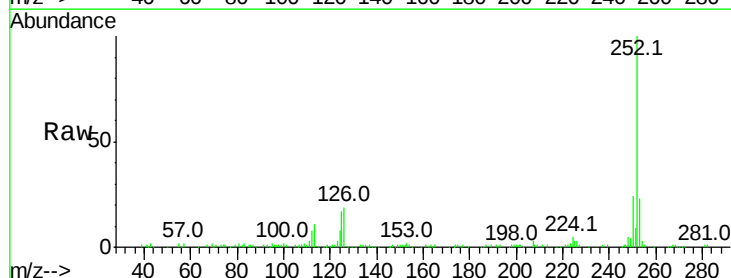
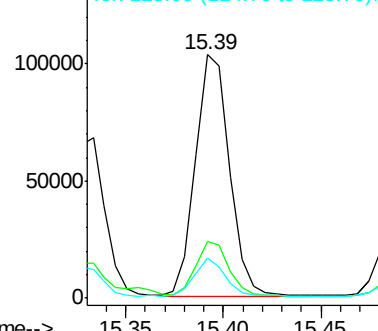
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

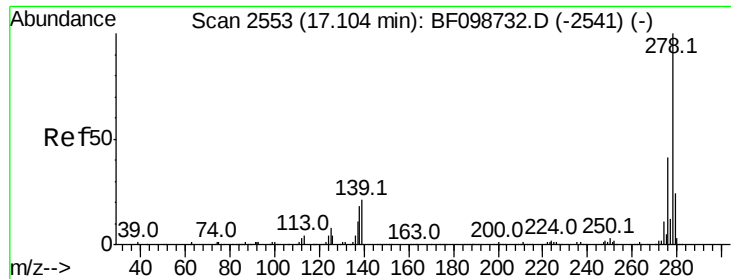


#89
Benzo(a)pyrene
Concen: 10.504 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	16.6	9.8	14.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





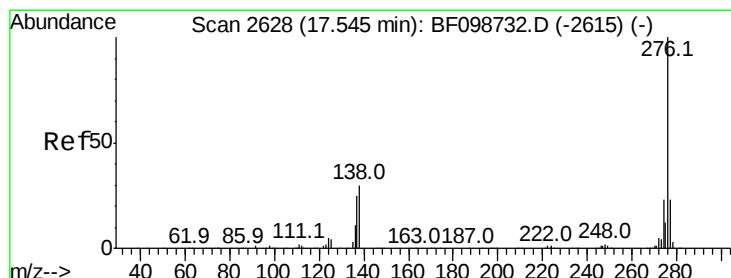
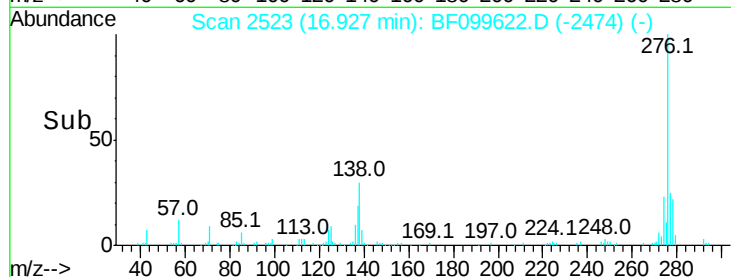
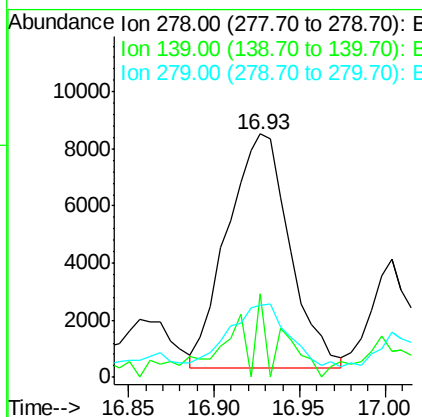
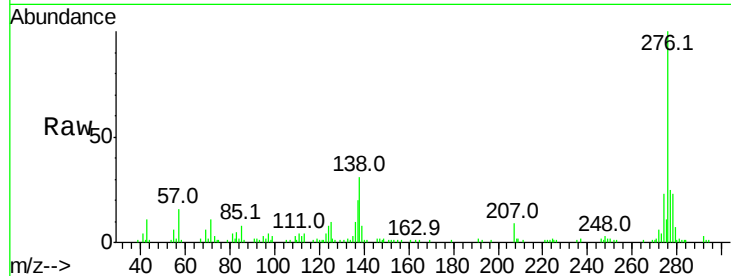
#90
Dibenzo(a,h)anthracene
Concen: 2.148 ng m
RT: 16.93 min Scan# 2523
Delta R.T. -0.01 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Instrument :
BNA_F
ClientSampleId :
ENV-115-4(0-5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	34.6	15.9	23.9#
279	29.5	19.0	28.4#

Manual Integrations
APPROVED

Sohil
10/23/2017 3:09:13 PM



#91
Benzo(g,h,i)perylene
Concen: 7.062 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.00 min
Lab File: BF099622.D
Acq: 18 Oct 2017 17:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	31.5	21.8	32.8

