

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099708.D
 Acq On : 20 Oct 2017 18:38
 Operator : SJ/JU
 Sample : I5981-07 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-101817-C

Manual Integrations
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 10/23/2017 3:26:23 PM

Quant Time: Oct 22 00:25:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	90153	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	348805	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	130481	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	185763	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	176261	20.00	ng	0.00
86) Perylene-d12	15.44	264	175139	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	44975	7.94	ng	0.00
7) Phenol-d6	6.45	99	138243	19.79	ng	-0.01
23) Nitrobenzene-d5	7.37	82	79470	14.61	ng	-0.02
41) 2,4,6-Tribromophenol	10.65	330	838	0.78	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	159163	20.36	ng	-0.01
78) Terphenyl-d14	12.91	244	100096	12.91	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.12	128	90597	5.530	ng	99
37) 2-Methylnaphthalene	8.80	142	49594	4.657	ng	98
48) Acenaphthylene	9.71	152	27845	2.160	ng	100
51) Acenaphthene	9.88	154	34191	4.188	ng	98
54) Dibenzofuran	10.05	168	33112	3.046	ng	96
57) Fluorene	10.39	166	59390	6.797	ng	99
70) Phenanthrene	11.36	178	265990	26.750	ng	97
71) Anthracene	11.41	178	78878	7.753	ng	98
74) Fluoranthene	12.55	202	275334	27.345	ng	97
77) Pyrene	12.78	202	279137	20.768	ng	98
80) Benzo(a)anthracene	13.97	228	144425	13.532	ng	99
82) Chrysene	14.00	228	118595	11.671	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	58309	7.174	ng	99
87) Benzo(b)fluoranthene	15.02	252	172042m	15.977	ng	
88) Benzo(k)fluoranthene	15.04	252	51359m	4.829	ng	
89) Benzo(a)pyrene	15.38	252	125808	12.728	ng	97
90) Dibenzo(a,h)anthracene	16.90	278	16709	2.112	ng	# 77
91) Benzo(g,h,i)perylene	17.35	276	60356	7.719	ng	94

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

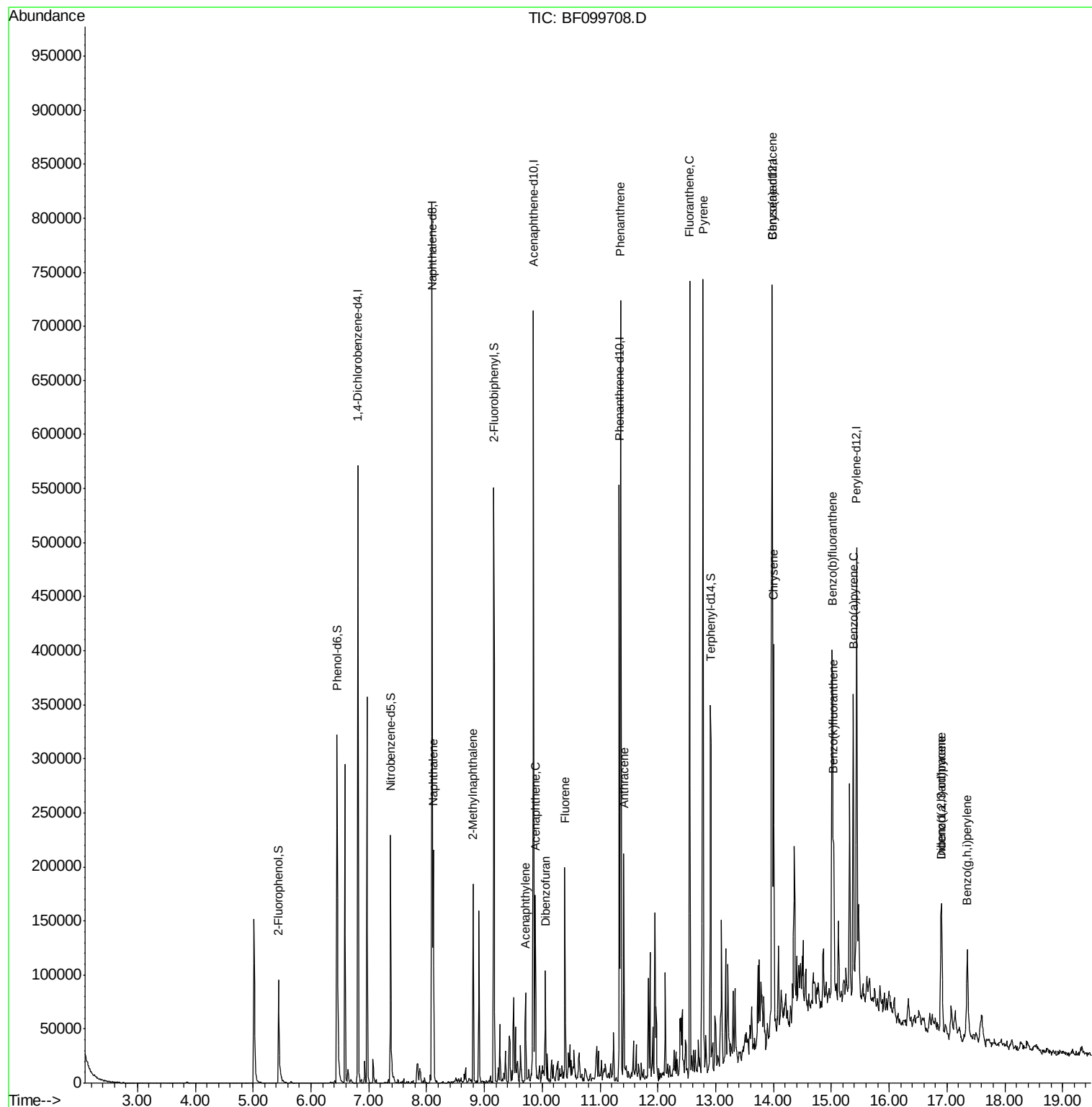
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
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ALS Vial : 17 Sample Multiplier: 1

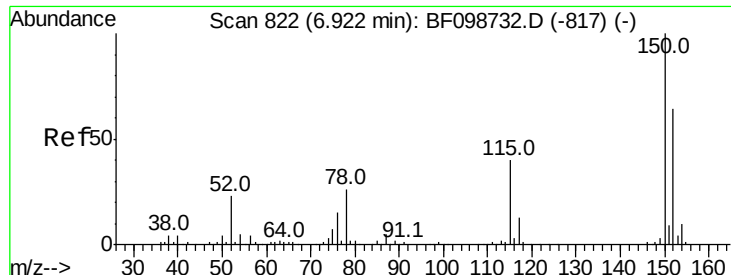
Instrument :
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#1

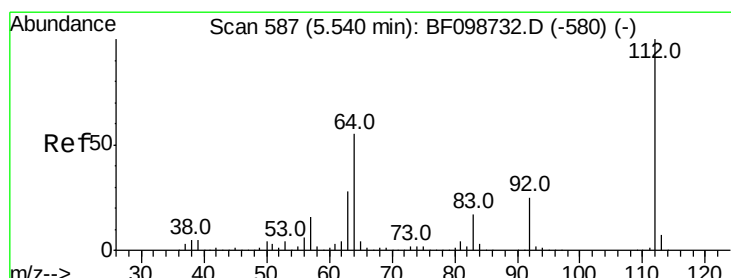
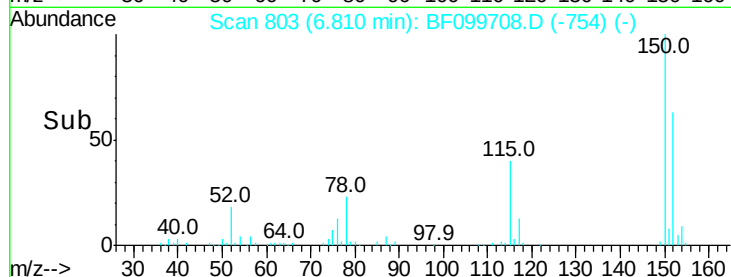
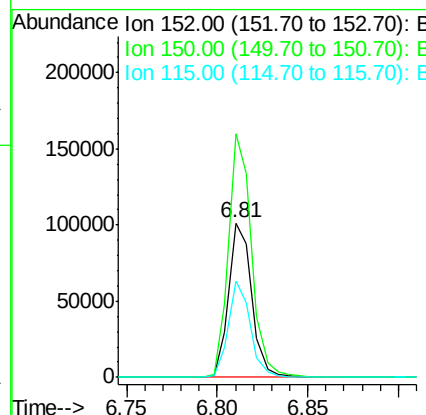
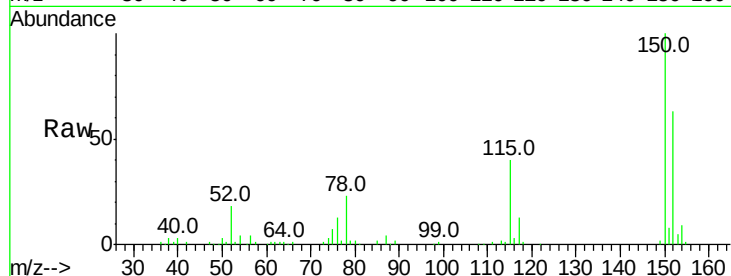
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF099708.D
Acq: 20 Oct 2017 18:38

Instrument :
BNA_F
ClientSampleId :
NB-01-101817-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	62.6	50.1	75.1

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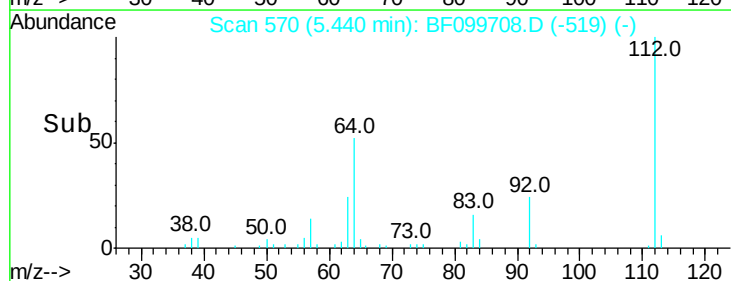
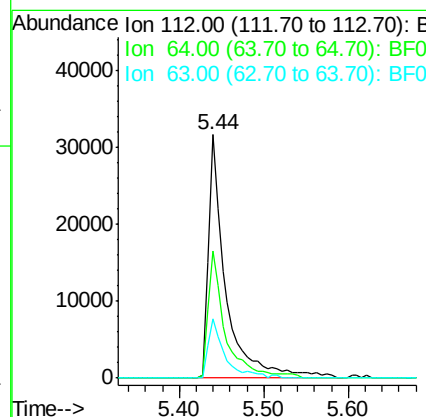
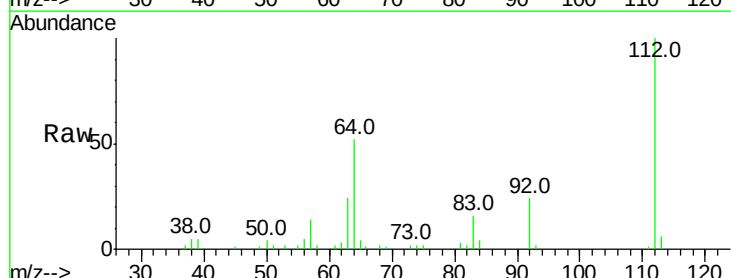
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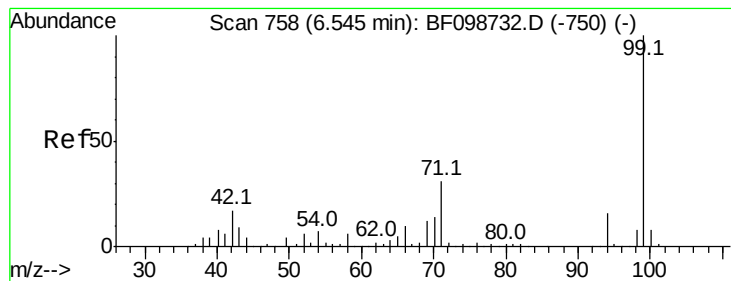


#5

2-Fluorophenol
Concen: 7.942 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF099708.D
Acq: 20 Oct 2017 18:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	47.9	71.9
63	24.4	23.7	35.5





#7

Phenol-d6

Concen: 19.788 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099708.D

Acq: 20 Oct 2017 18:38

Instrument :

BNA_F

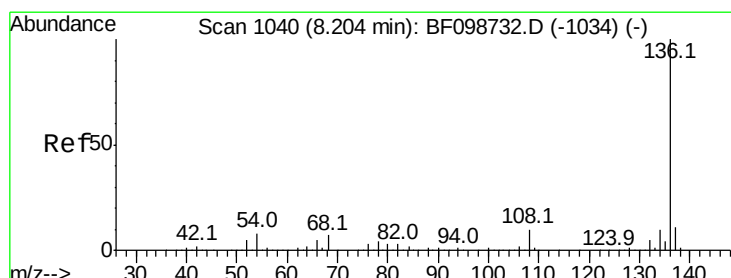
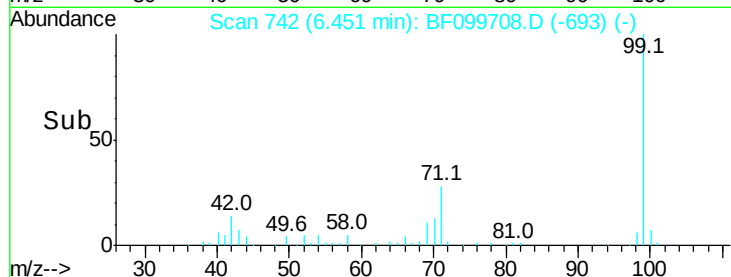
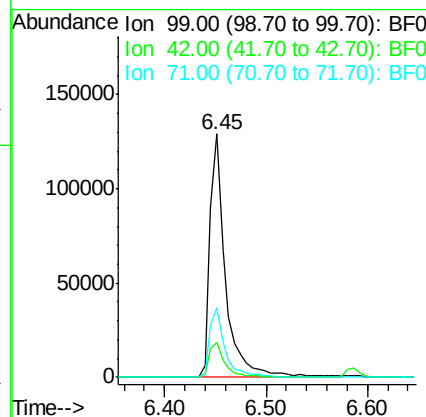
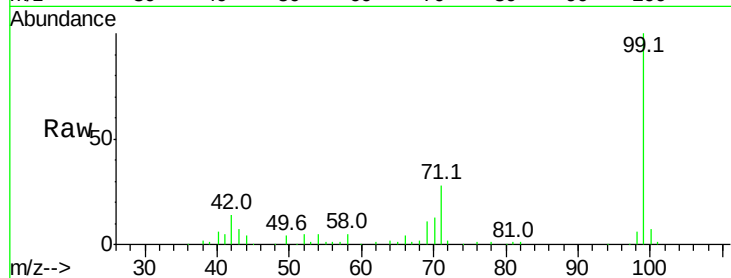
ClientSampled :

NB-01-101817-C

Tot Ion:	99	Resp:	138243
Ion Ratio	Lower	Upper	
99	100		
42	14.4	14.5	21.7#
71	28.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

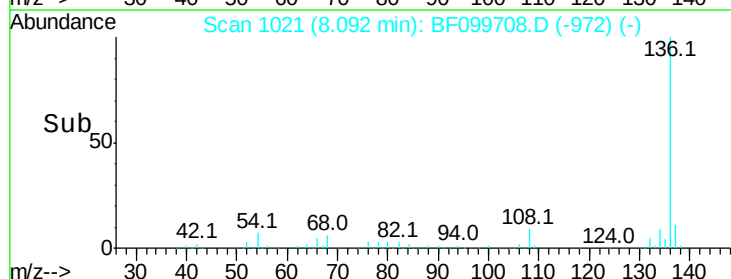
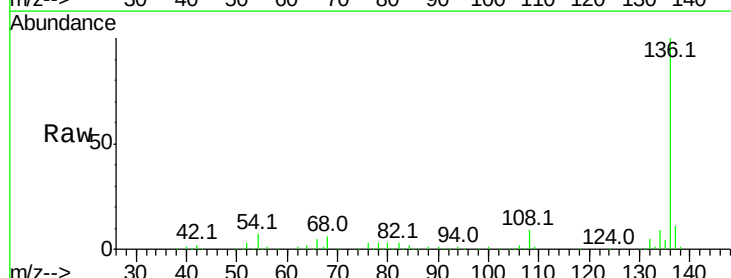
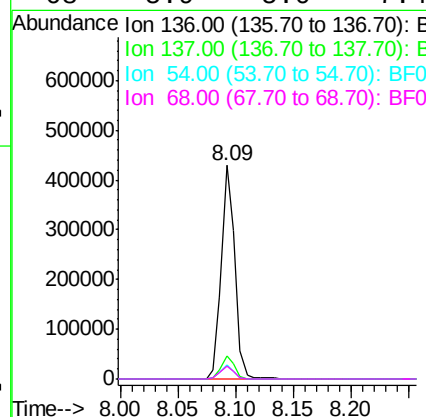
RT: 8.09 min Scan# 1021

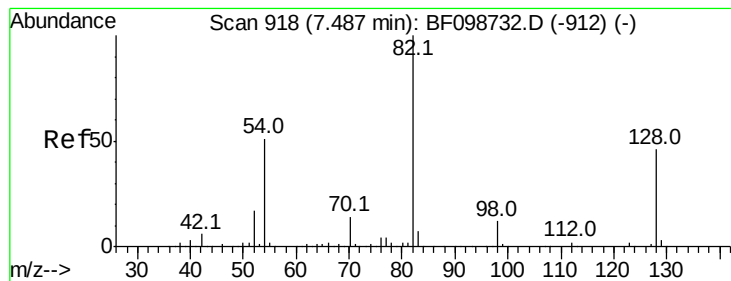
Delta R.T. -0.01 min

Lab File: BF099708.D

Acq: 20 Oct 2017 18:38

Tgt Ion:	136	Resp:	348805
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	6.8	6.6	9.8
68	5.9	5.0	7.4





#23

Nitrobenzene-d5

Concen: 14.611 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.02 min

Lab File: BF099708.D

Acq: 20 Oct 2017 18:38

Instrument :

BNA_F

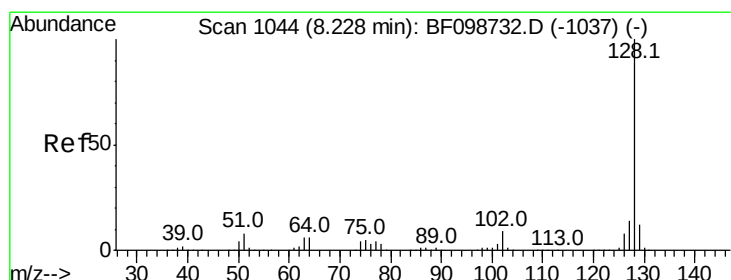
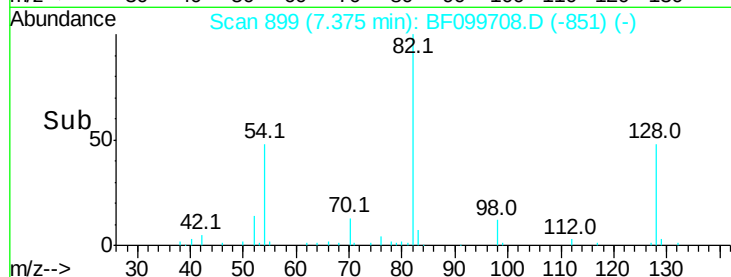
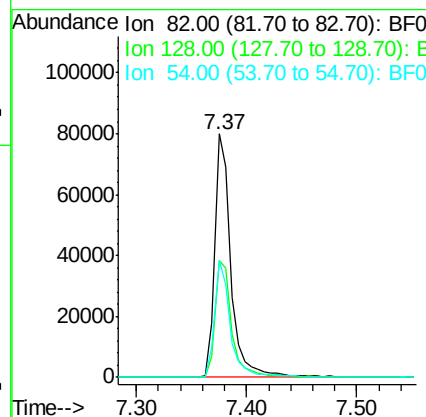
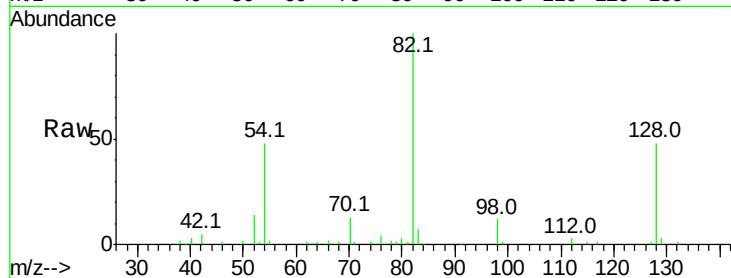
ClientSampleId :

NB-01-101817-C

Tot Ion:	82	Resp:	79470
Ion Ratio	Lower	Upper	
82	100		
128	47.9	36.1	54.1
54	48.0	41.4	62.2

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#31

Naphthalene

Concen: 5.530 ng

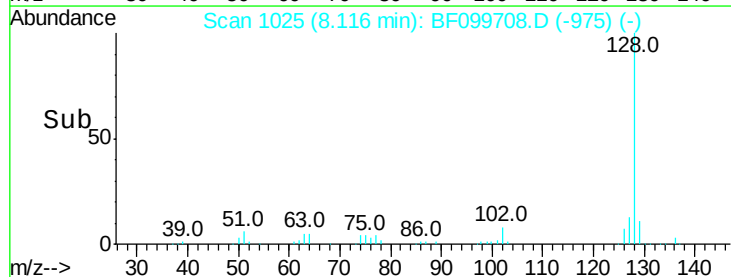
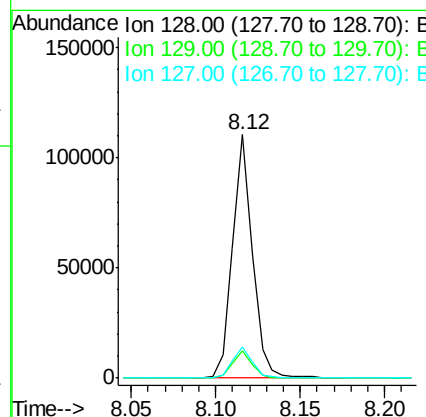
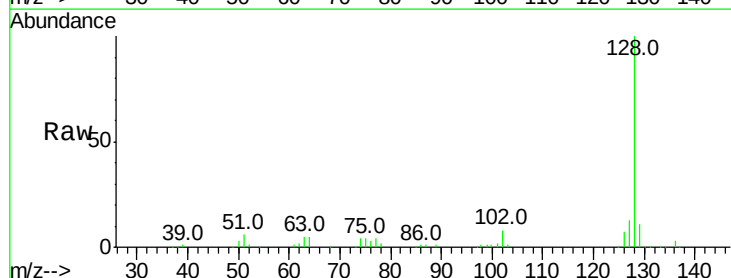
RT: 8.12 min Scan# 1025

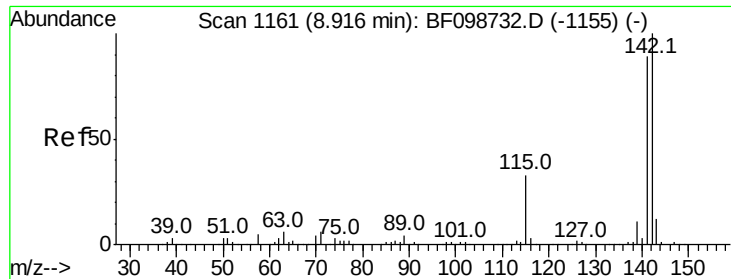
Delta R.T. -0.01 min

Lab File: BF099708.D

Acq: 20 Oct 2017 18:38

Tgt Ion:	128	Resp:	90597
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.8	13.2
127	12.7	10.9	16.3





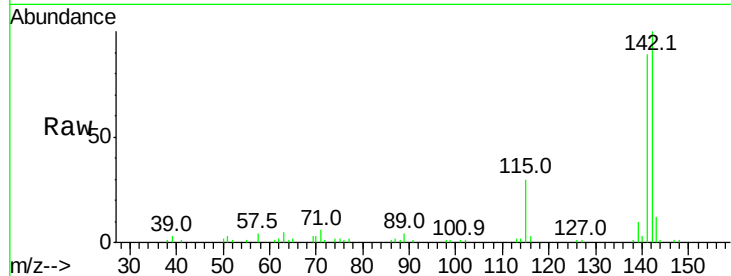
#37
 2-Methylnaphthalene
 Concen: 4.657 ng
 RT: 8.80 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: BF099708.D
 Acq: 20 Oct 2017 18:38

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-101817-C

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.8	106.2
115	29.8	26.1	39.1

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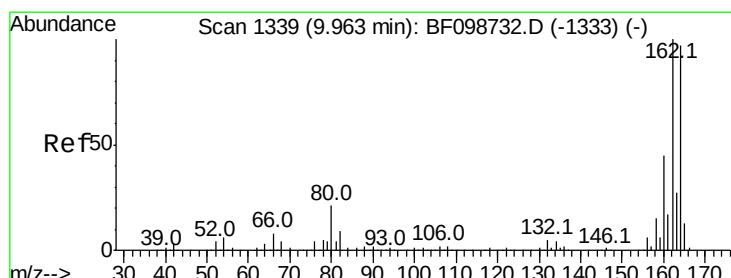
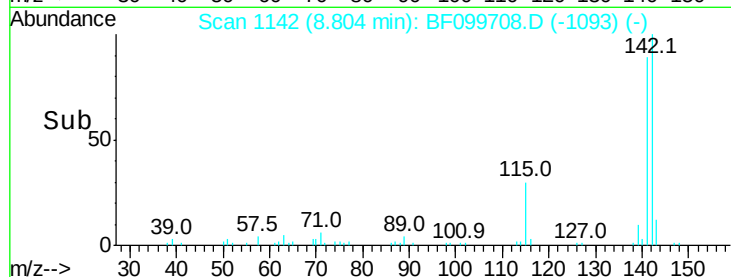
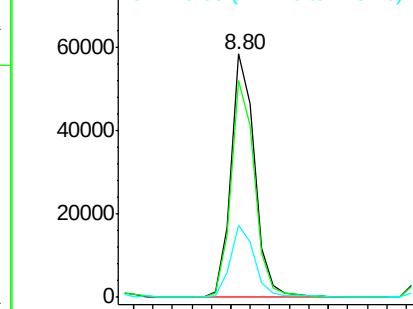


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF099708.D
 Acq: 20 Oct 2017 18:38

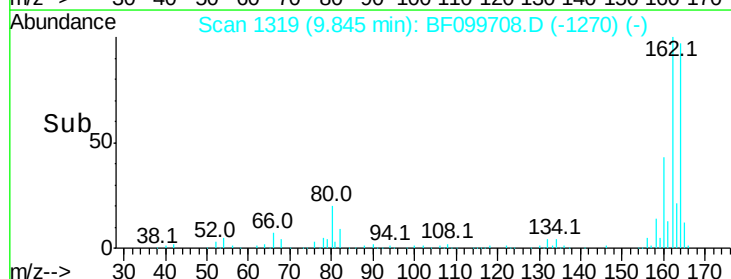
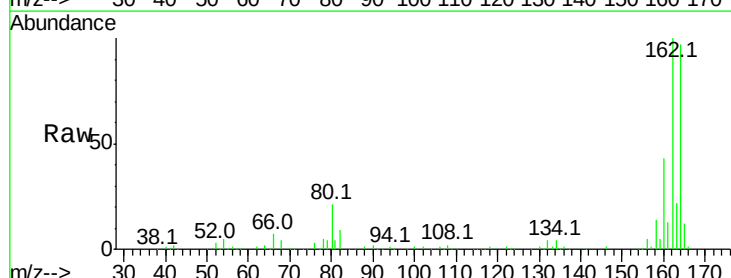
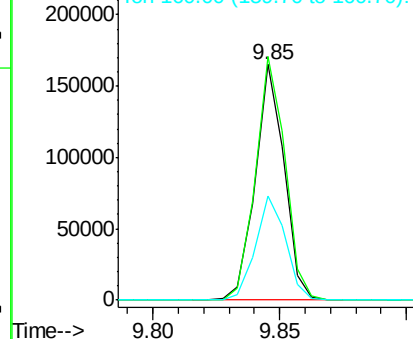
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	44.4	38.3	57.5

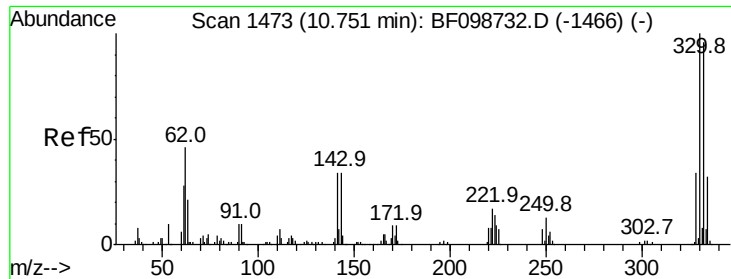
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 0.785 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BF099708.D

Acq: 20 Oct 2017 18:38

Instrument :

BNA_F

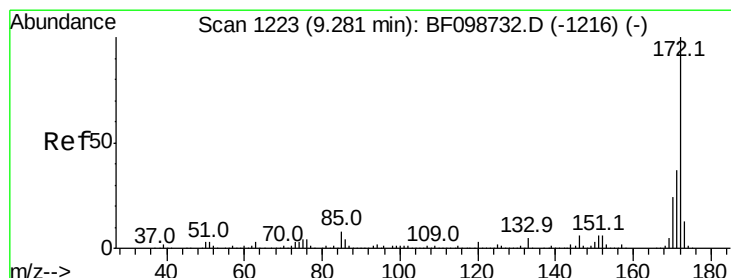
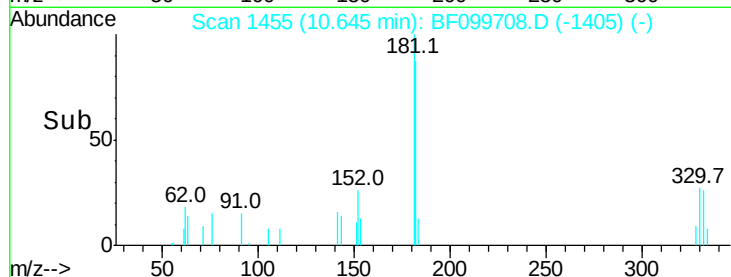
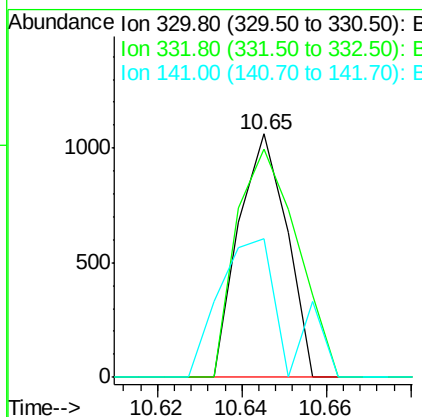
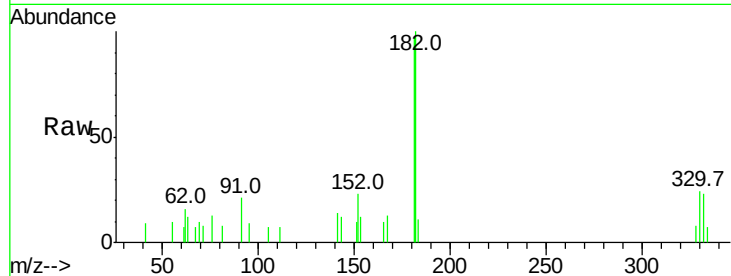
ClientSampleId :

NB-01-101817-C

Tot Ion:	330	Resp:	838
Ion Ratio	Lower	Upper	
330	100		
332	119.1	77.0	115.6#
141	77.6	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 20.364 ng

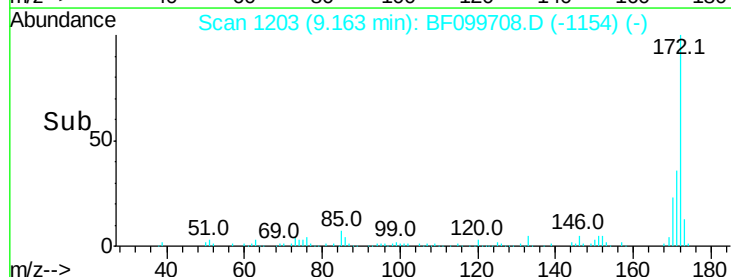
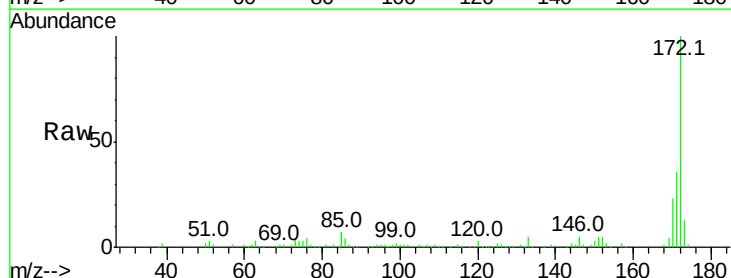
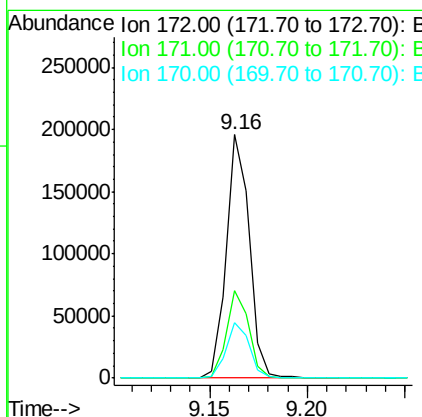
RT: 9.16 min Scan# 1203

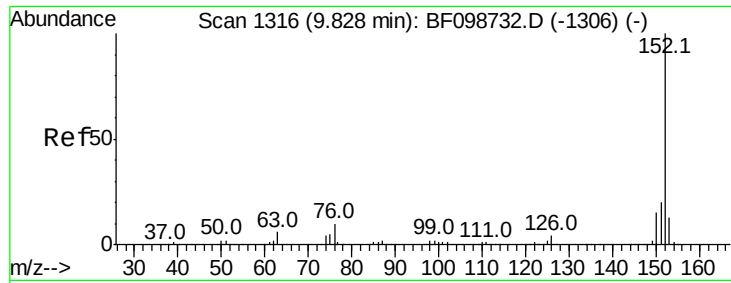
Delta R.T. -0.01 min

Lab File: BF099708.D

Acq: 20 Oct 2017 18:38

Tgt Ion:	172	Resp:	159163
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.7	44.5
170	23.0	19.6	29.4





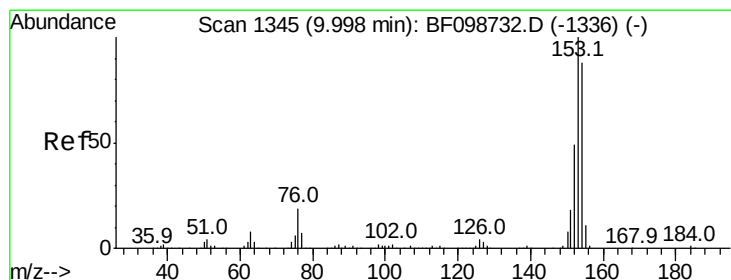
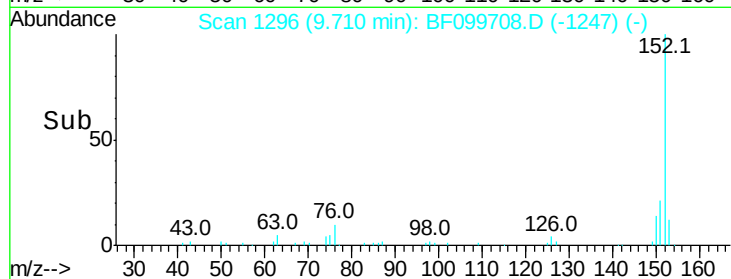
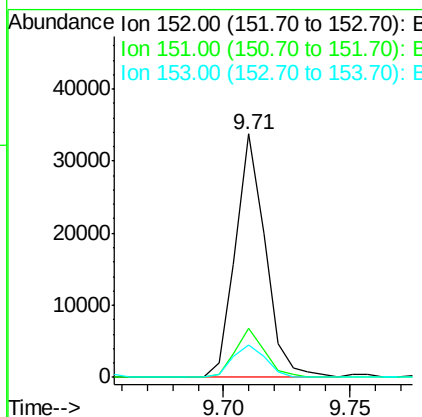
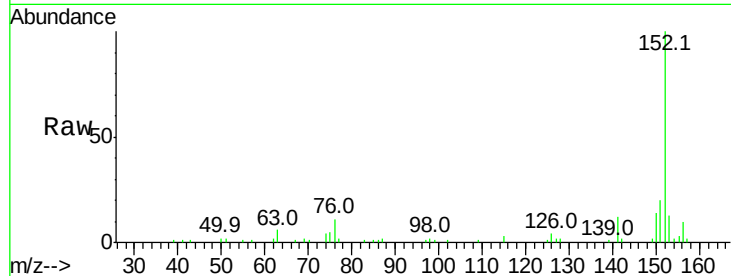
#48
Acenaphthylene
Concen: 2.160 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF099708.D
Acq: 20 Oct 2017 18:38

Instrument :
BNA_F
ClientSampleId :
NB-01-101817-C

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	13.3	10.7	16.1

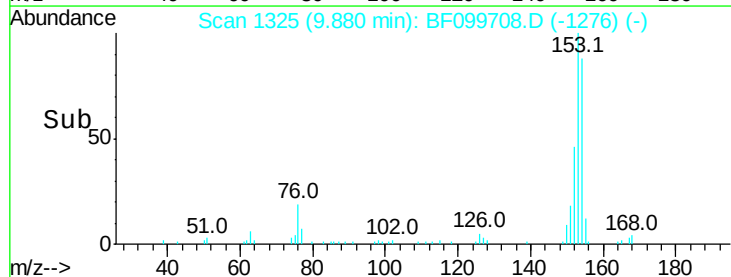
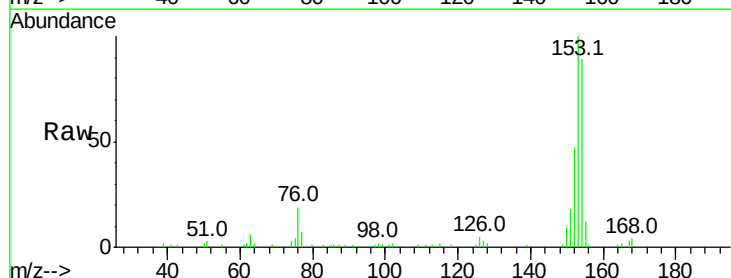
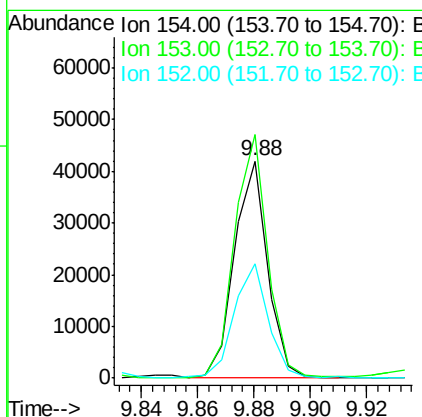
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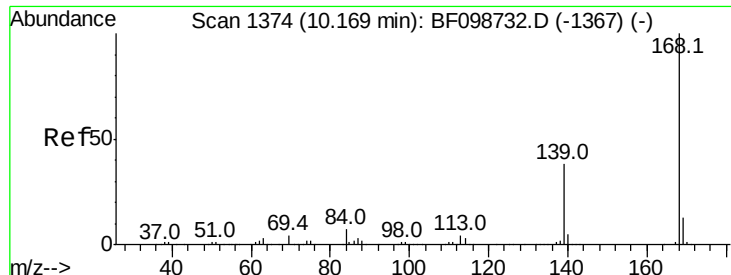
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#51
Acenaphthene
Concen: 4.188 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF099708.D
Acq: 20 Oct 2017 18:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.2	91.2	136.8
152	52.8	43.8	65.8





#54

Dibenzenofuran

Concen: 3.046 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF099708.D

Acq: 20 Oct 2017 18:38

Instrument :

BNA_F

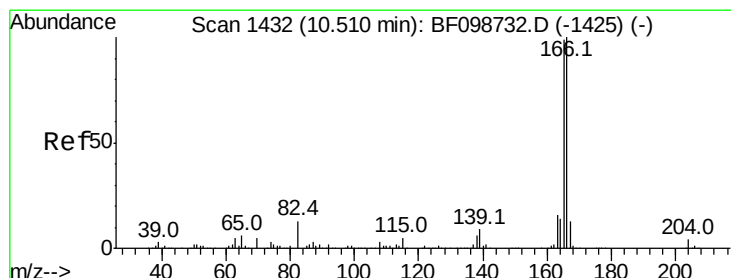
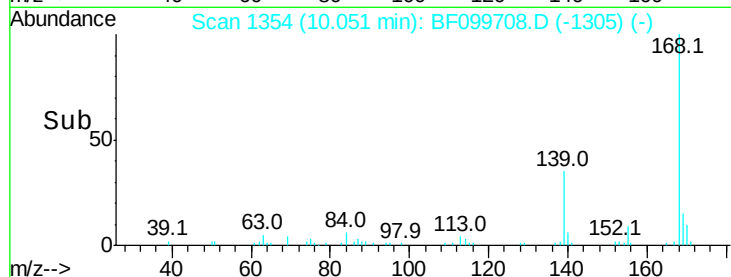
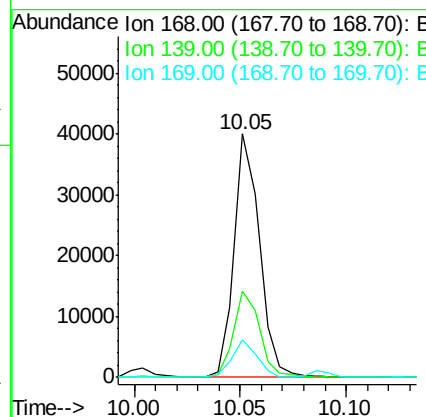
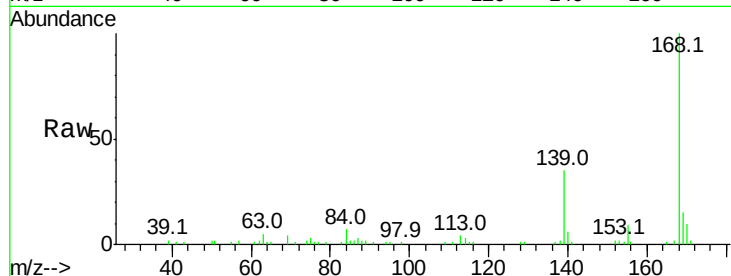
ClientSampleId :

NB-01-101817-C

Tot Ion:	168	Resp:	33112
Ion Ratio	Lower	Upper	
168	100		
139	35.3	30.1	45.1
169	15.2	10.9	16.3

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#57

Fluorene

Concen: 6.797 ng

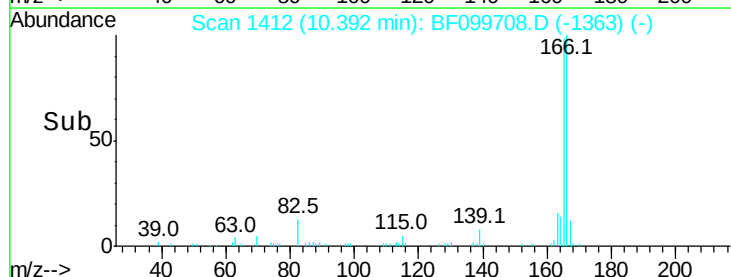
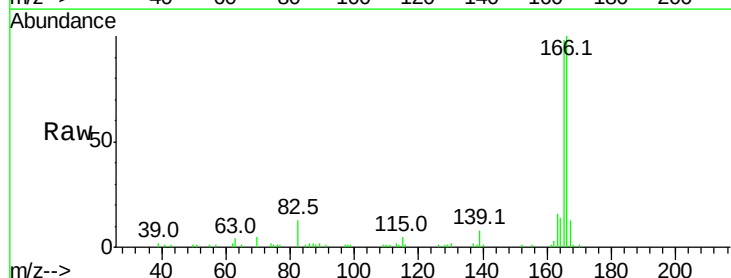
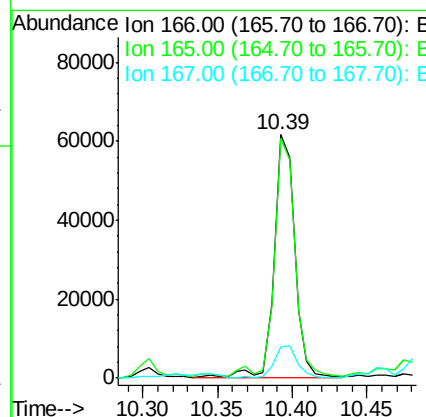
RT: 10.39 min Scan# 1412

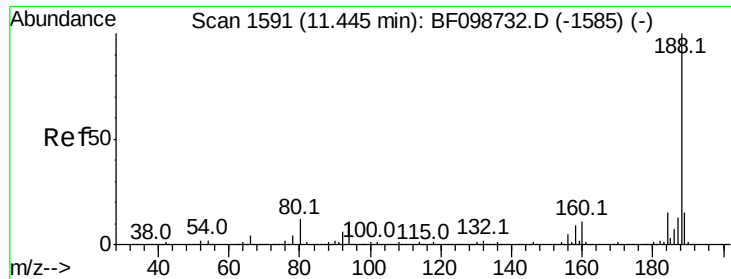
Delta R.T. -0.01 min

Lab File: BF099708.D

Acq: 20 Oct 2017 18:38

Tgt Ion:	166	Resp:	59390
Ion Ratio	Lower	Upper	
166	100		
165	98.4	79.8	119.8
167	12.8	10.6	16.0





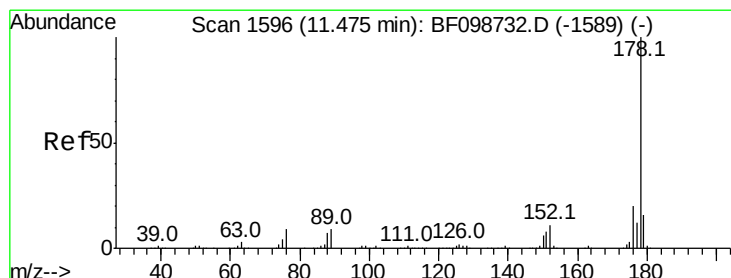
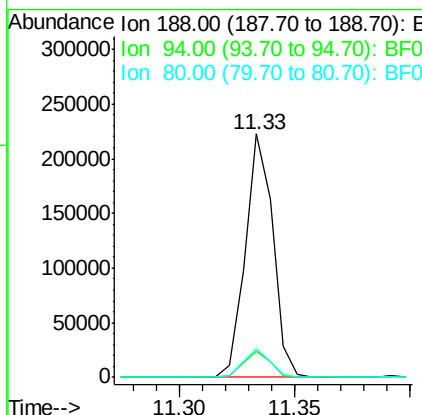
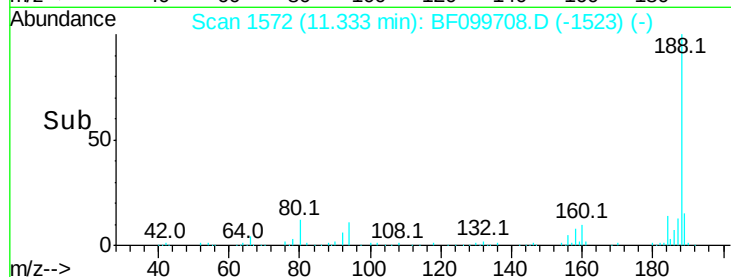
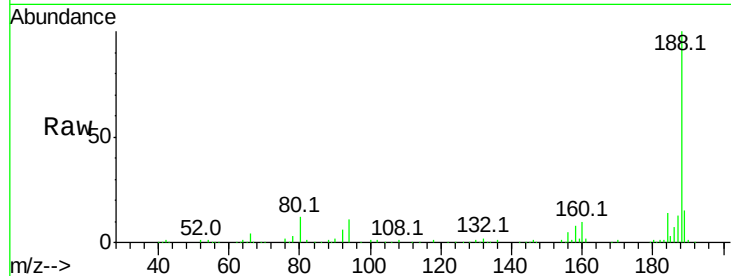
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF099708.D
Acq: 20 Oct 2017 18:38

Instrument :
BNA_F
ClientSampleId :
NB-01-101817-C

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.9	8.5	12.7
80	11.7	9.2	13.8

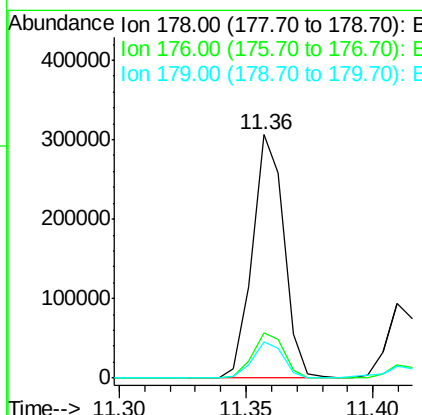
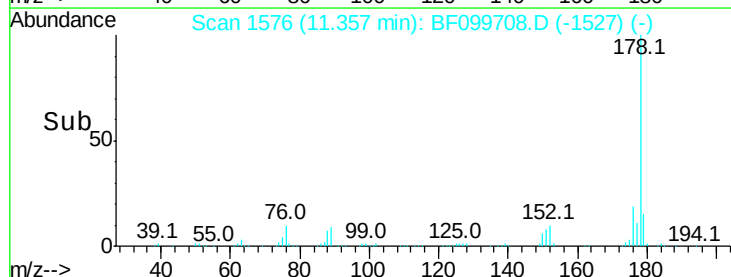
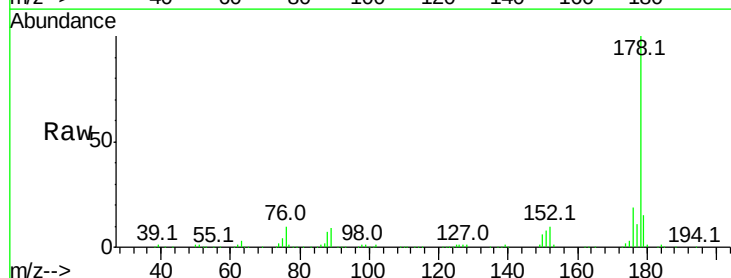
Manual Integrations
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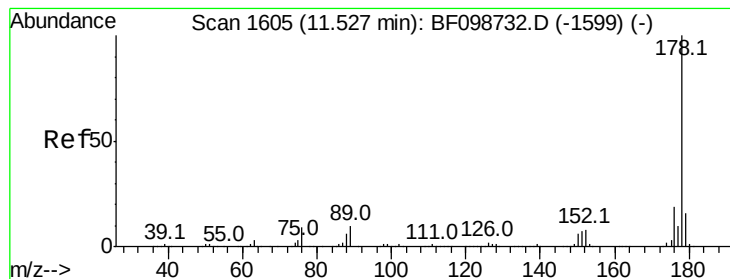
Sohil
10/23/2017 3:26:23 PM



#70
Phenanthrene
Concen: 26.750 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099708.D
Acq: 20 Oct 2017 18:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.7	15.8	23.8
179	14.9	13.0	19.6





#71

Anthracene

Concen: 7.753 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF099708.D

Acq: 20 Oct 2017 18:38

Instrument :

BNA_F

ClientSampleId :

NB-01-101817-C

Tot Ion:178 Resp: 78878

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

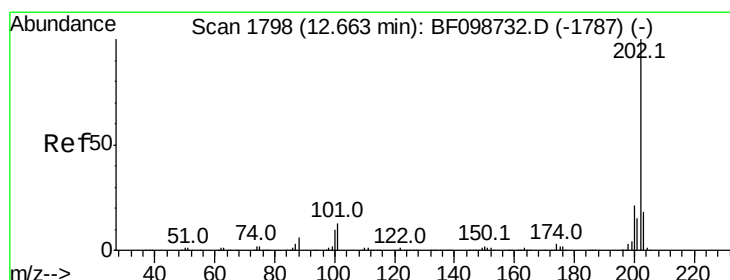
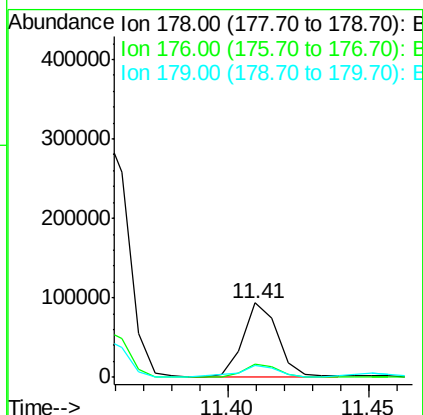
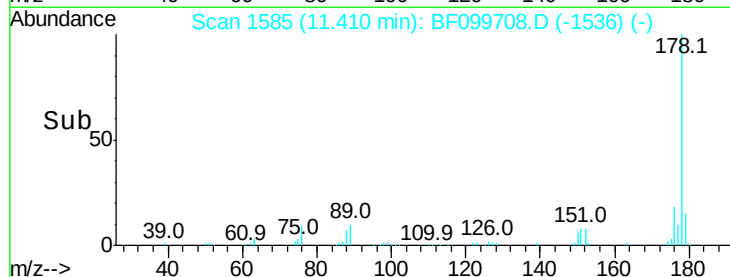
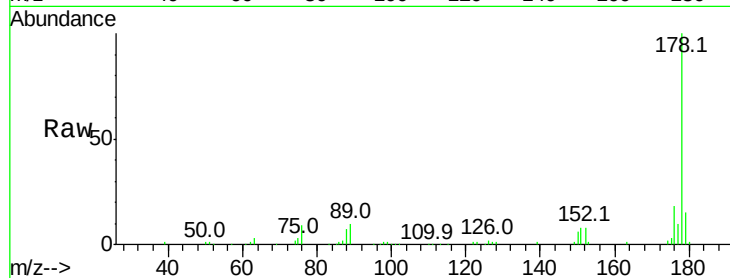
179 15.4 12.6 19.0

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#74

Fluoranthene

Concen: 27.345 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF099708.D

Acq: 20 Oct 2017 18:38

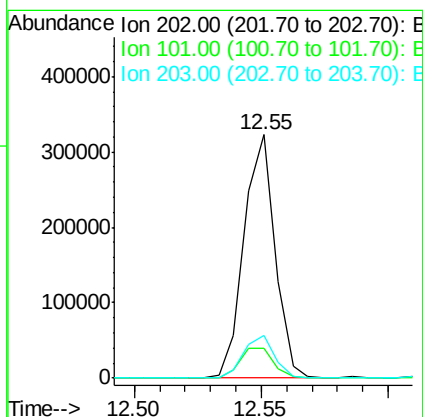
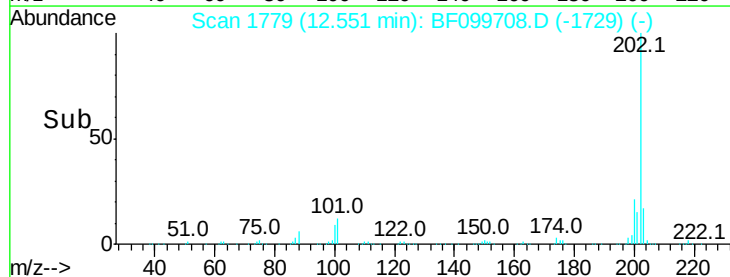
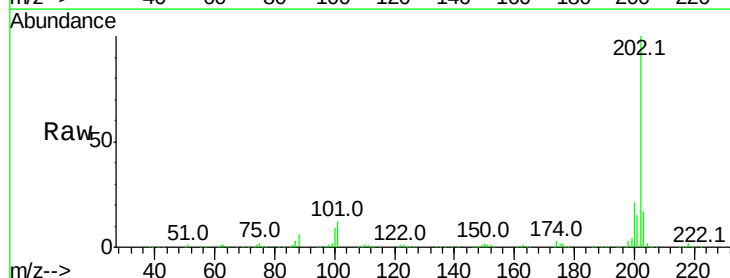
Tgt Ion:202 Resp: 275334

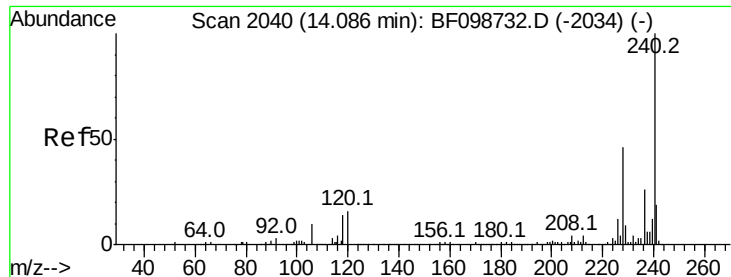
Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099708.D

Acq: 20 Oct 2017 18:38

Instrument :

BNA_F

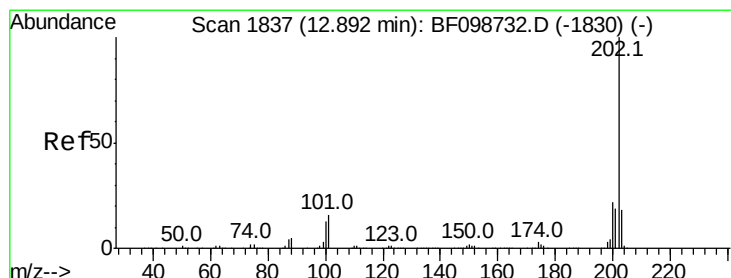
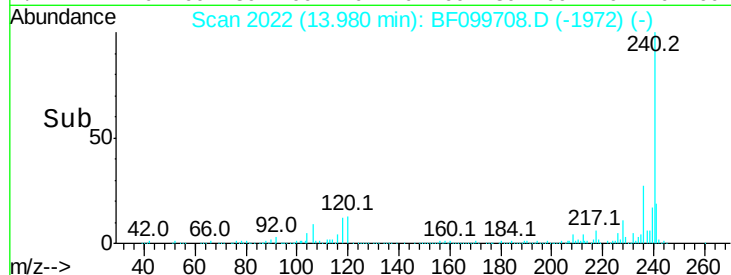
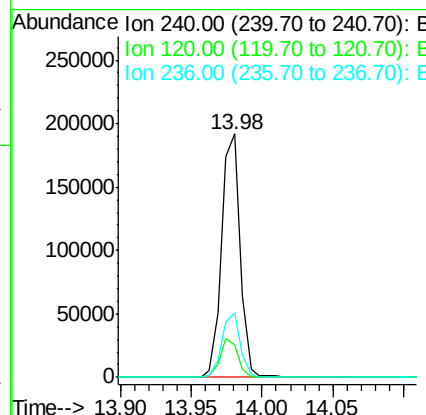
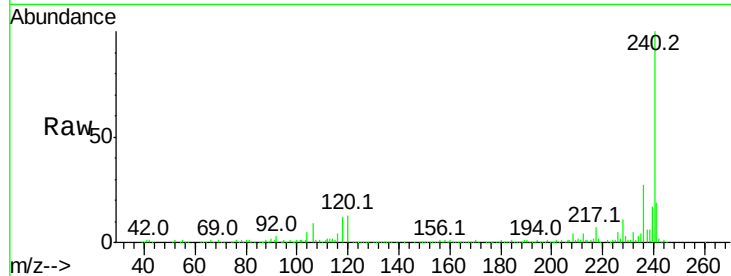
ClientSampleId :

NB-01-101817-C

Tot Ion:	240	Resp:	176261
Ion Ratio	Lower	Upper	
240	100		
120	13.1	9.5	14.3
236	26.6	20.7	31.1

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#77

Pyrene

Concen: 20.768 ng

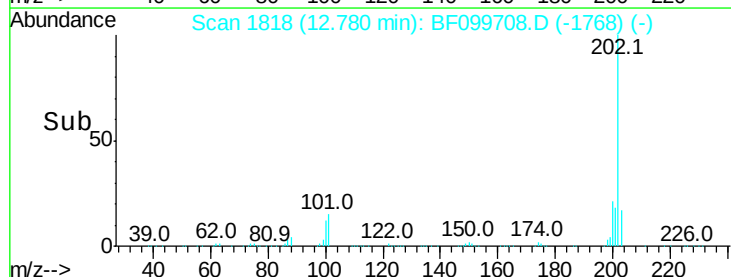
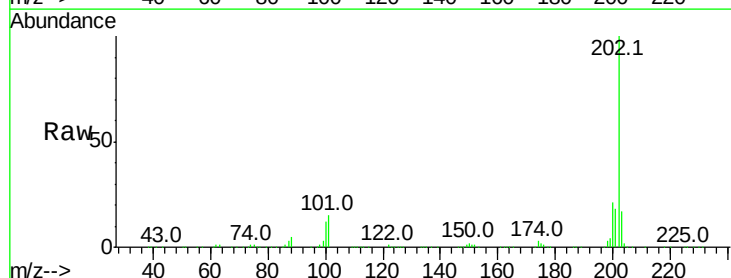
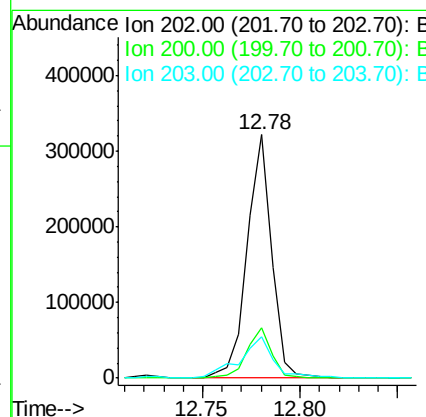
RT: 12.78 min Scan# 1818

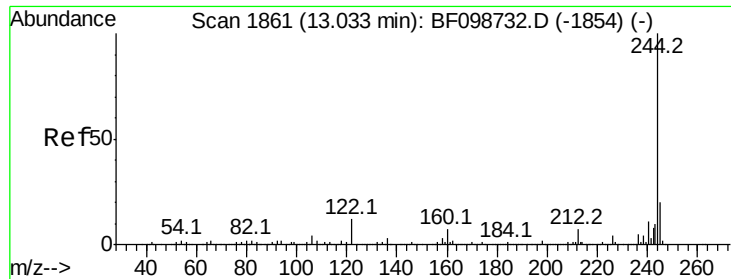
Delta R.T. -0.01 min

Lab File: BF099708.D

Acq: 20 Oct 2017 18:38

Tgt Ion:	202	Resp:	279137
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.2	14.3	21.5





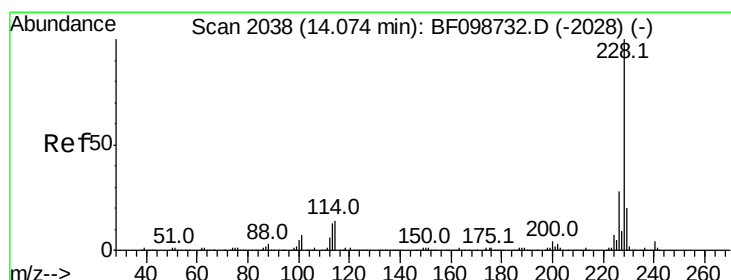
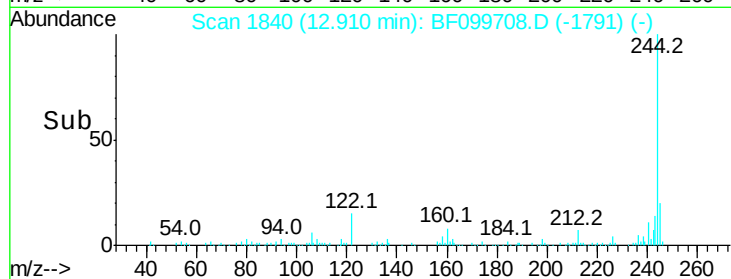
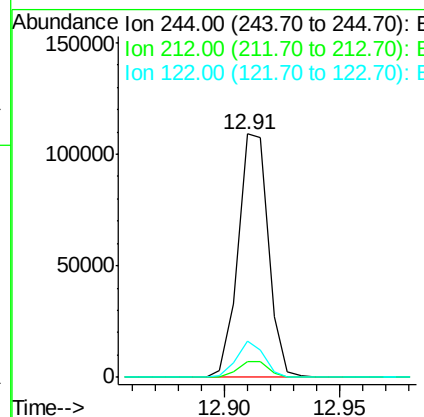
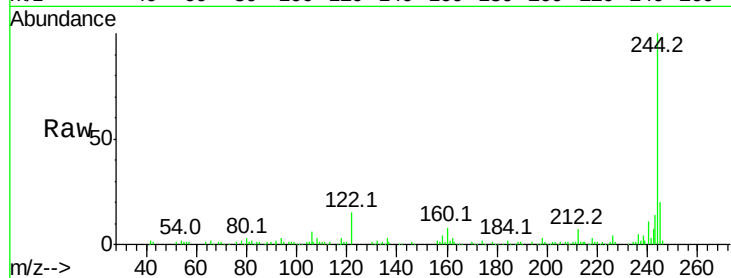
#78
 Terphenyl-d14
 Concen: 12.915 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF099708.D
 Acq: 20 Oct 2017 18:38

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-101817-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	14.9	11.0	16.4

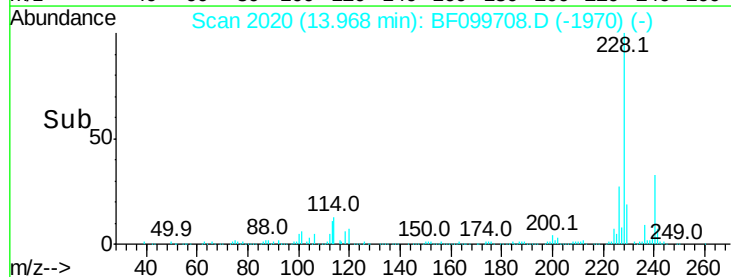
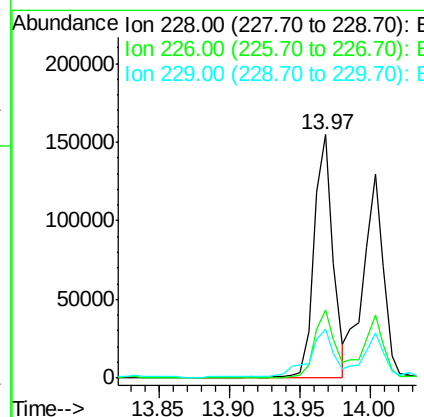
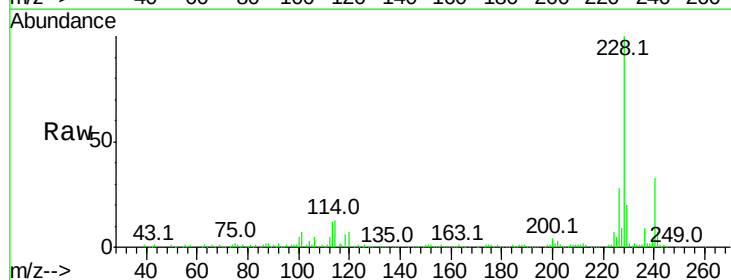
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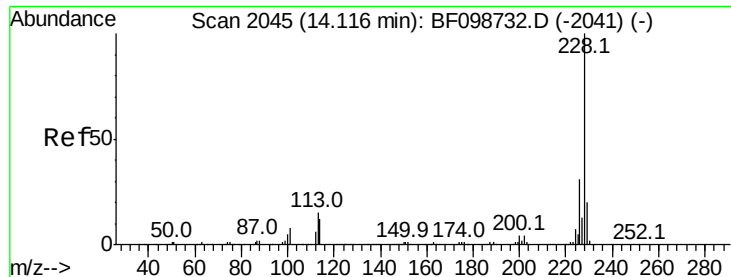
Sohil
 10/23/2017 3:26:23 PM



#80
 Benzo(a)anthracene
 Concen: 13.532 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF099708.D
 Acq: 20 Oct 2017 18:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.1	15.8	23.6





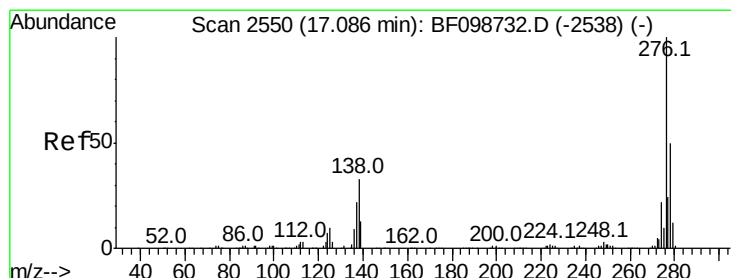
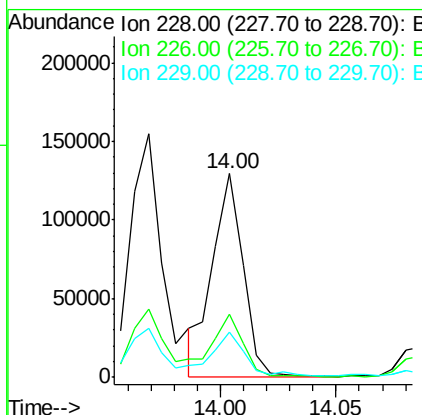
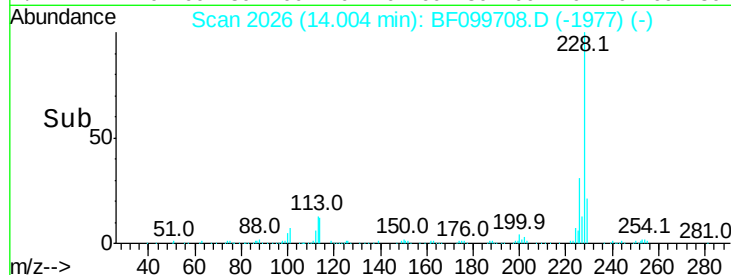
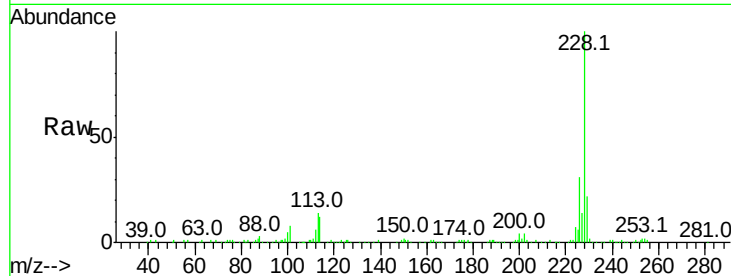
#82
Chrysene
Concen: 11.671 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF099708.D
Acq: 20 Oct 2017 18:38

Instrument :
BNA_F
ClientSampleId :
NB-01-101817-C

Tot Ion:	228	Resp:	118595
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	22.0	16.2	24.4

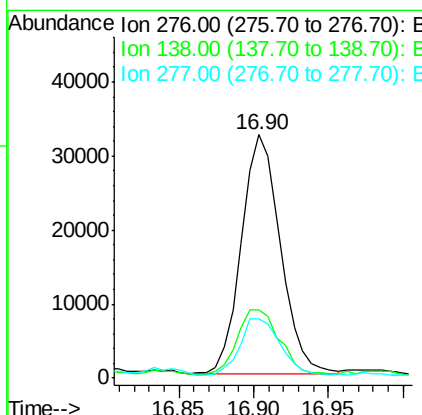
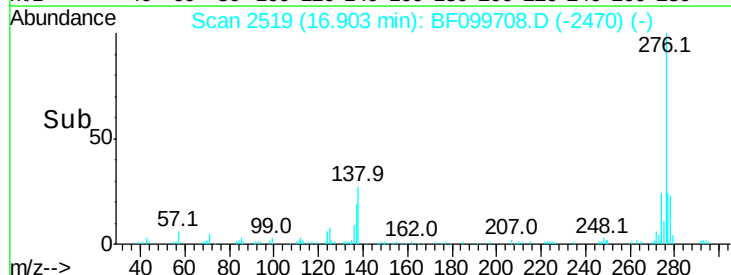
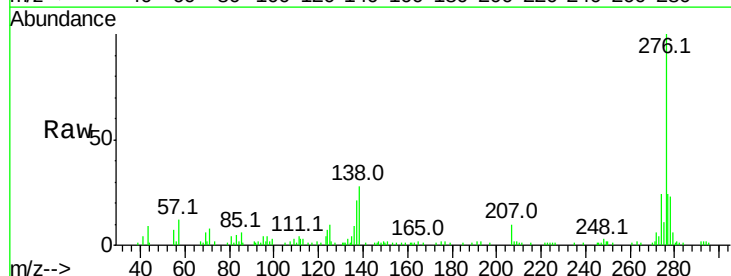
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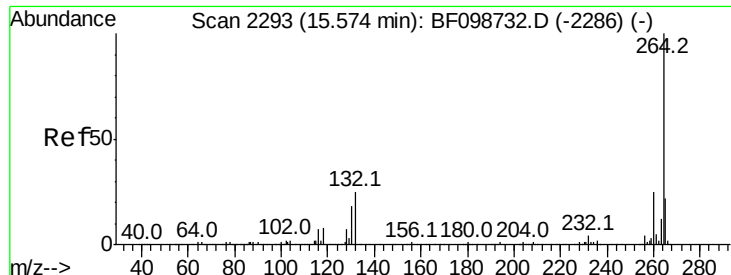
Sohil
10/23/2017 3:26:23 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.174 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF099708.D
Acq: 20 Oct 2017 18:38

Tgt Ion:	276	Resp:	58309
Ion Ratio	Lower	Upper	
276	100		
138	31.7	25.0	37.6
277	25.9	20.1	30.1





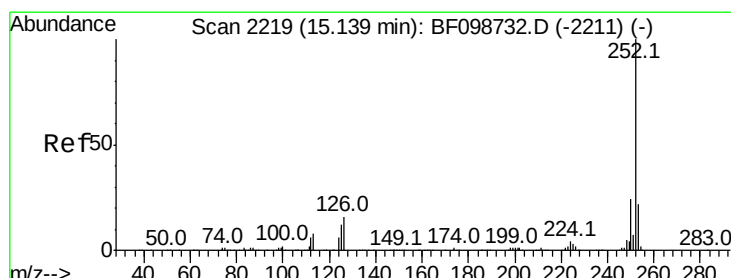
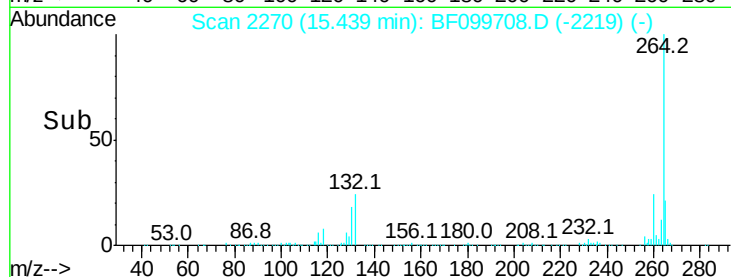
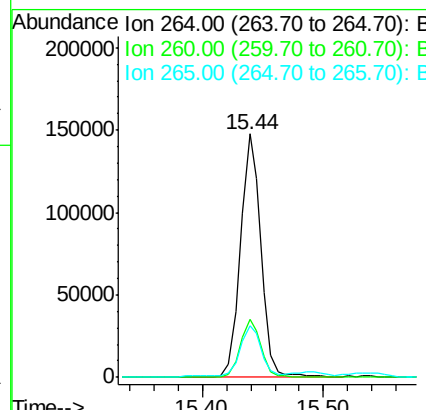
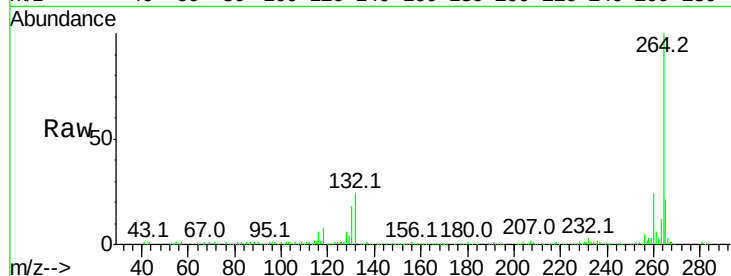
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF099708.D
Acq: 20 Oct 2017 18:38

Instrument :
BNA_F
ClientSampleId :
NB-01-101817-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.4	17.5	26.3

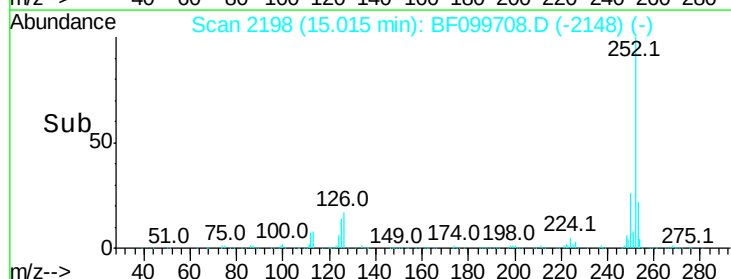
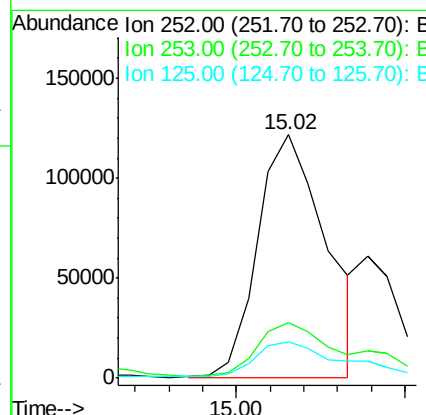
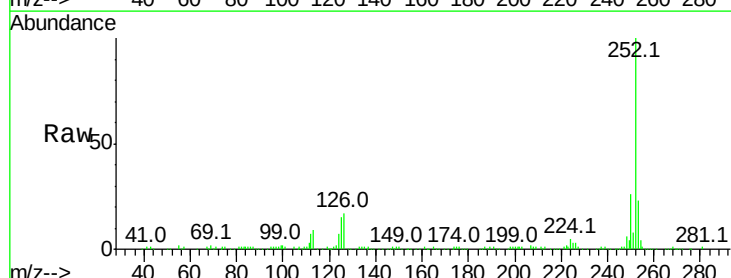
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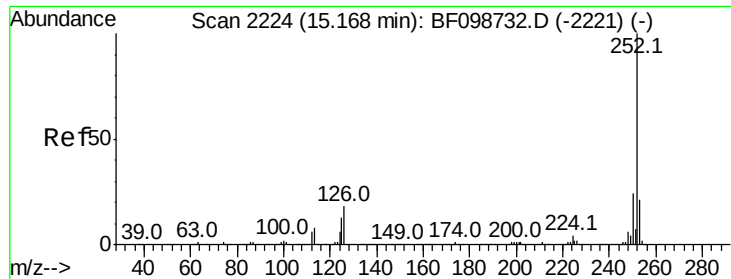
Sohil
10/23/2017 3:26:23 PM



#87
Benzo(b)fluoranthene
Concen: 15.977 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF099708.D
Acq: 20 Oct 2017 18:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	14.7	9.0	13.6#





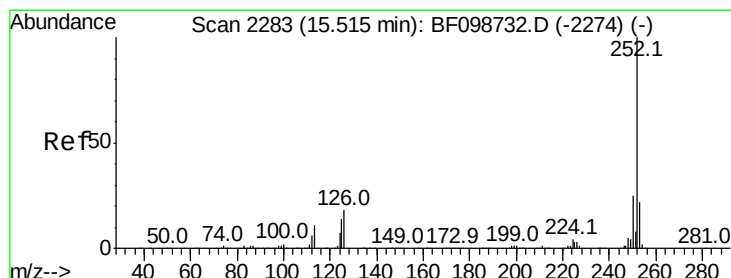
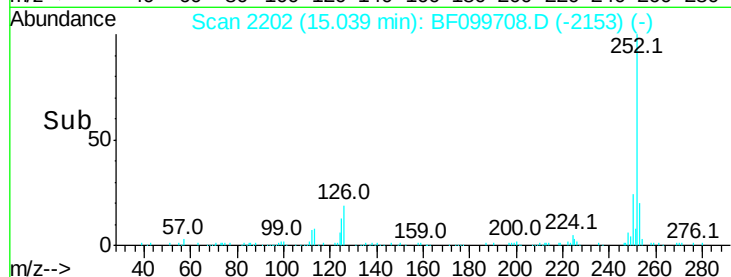
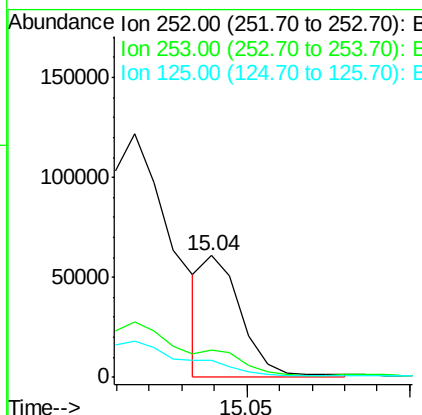
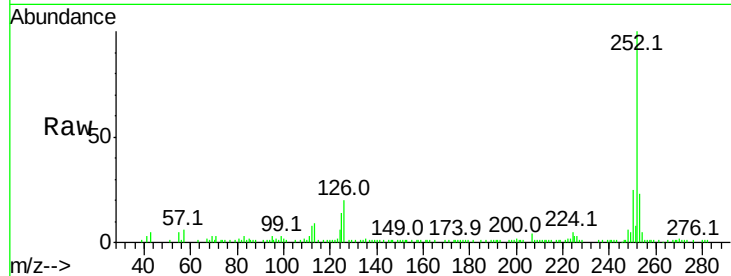
#88
Benzo(k)fluoranthene
Concen: 4.829 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF099708.D
Acq: 20 Oct 2017 18:38

Instrument :
BNA_F
ClientSampleId :
NB-01-101817-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	13.9	10.2	15.2

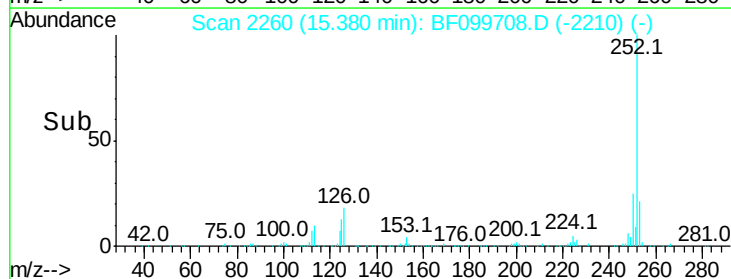
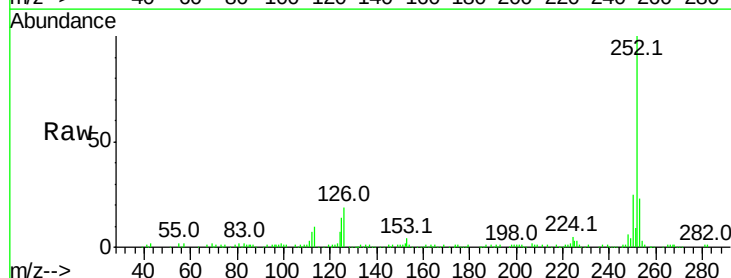
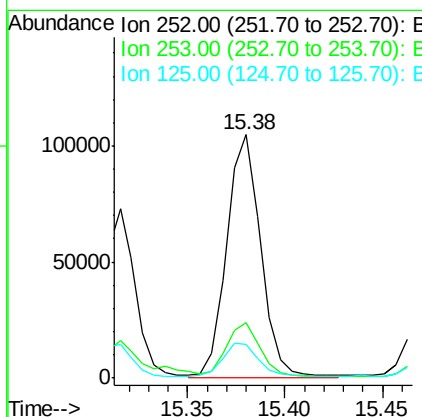
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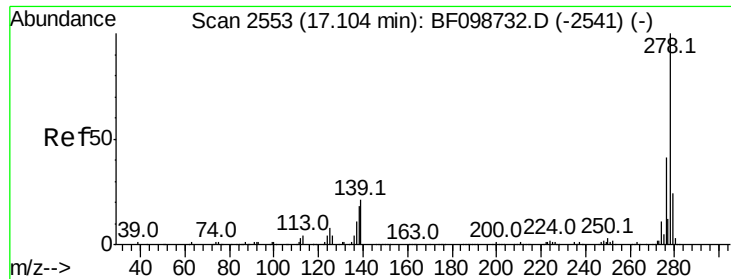
Sohil
10/23/2017 3:26:23 PM



#89
Benzo(a)pyrene
Concen: 12.728 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF099708.D
Acq: 20 Oct 2017 18:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	13.7	9.8	14.6





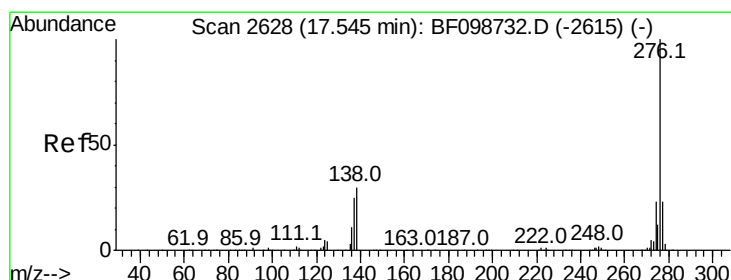
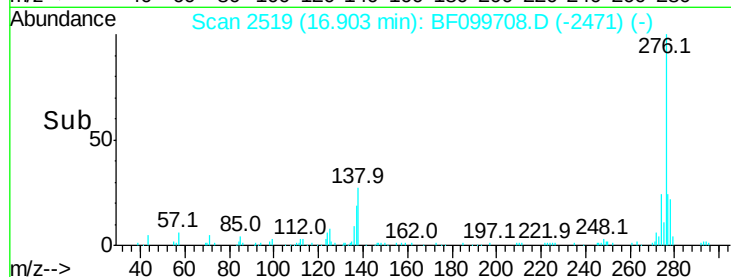
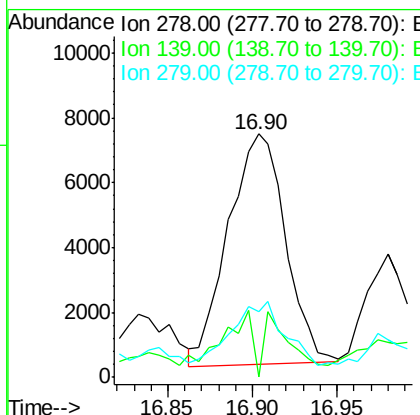
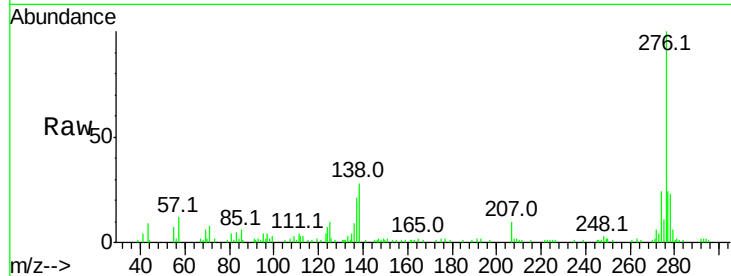
#90
Dibenzo(a,h)anthracene
Concen: 2.112 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.02 min
Lab File: BF099708.D
Acq: 20 Oct 2017 18:38

Instrument :
BNA_F
ClientSampleId :
NB-01-101817-C

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	26.8	19.0	28.4

Manual Integrations
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10/23/2017 3:26:23 PM



#91
Benzo(g,h,i)perylene
Concen: 7.719 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.01 min
Lab File: BF099708.D
Acq: 20 Oct 2017 18:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	30.1	21.8	32.8

