

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099206.D
 Acq On : 7 Oct 2017 20:49
 Operator : SJ/JU
 Sample : I5586-09 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G54A-0-3.5

Manual Integrations
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 10/9/2017 6:34:58 PM

Quant Time: Oct 08 05:04:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Oct 08 03:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	119563	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	441915	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	170878	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	260189	20.00	ng	0.00
75) Chrysene-d12	14.03	240	212088	20.00	ng	0.00
86) Perylene-d12	15.51	264	162134	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	61085	8.13	ng	0.00
7) Phenol-d6	6.49	99	77526	8.37	ng	0.00
23) Nitrobenzene-d5	7.42	82	39686	5.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	6363	4.55	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	84355	8.24	ng	0.00
78) Terphenyl-d14	12.97	244	60830	6.52	ng	0.00
Target Compounds						
70) Phenanthrene	11.42	178	221652	15.915	ng	98
74) Fluoranthene	12.60	202	315323	22.359	ng	97
77) Pyrene	12.83	202	222100	13.733	ng	98
80) Benzo(a)anthracene	14.02	228	38243	2.978	ng	96
82) Chrysene	14.06	228	60687	4.964	ng	97
87) Benzo(b)fluoranthene	15.07	252	39772m	3.990	ng	

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

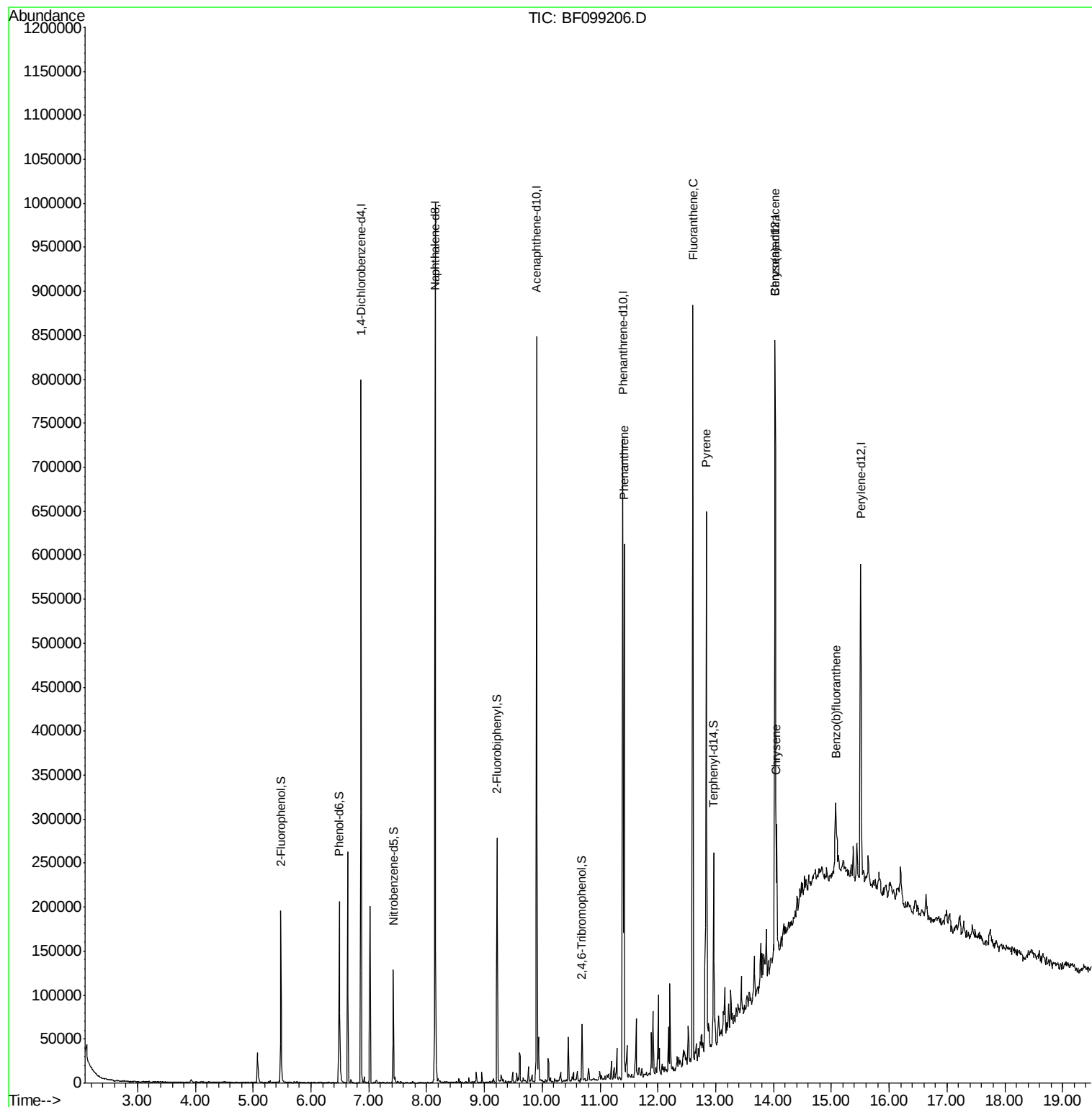
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
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ALS Vial : 23 Sample Multiplier: 1

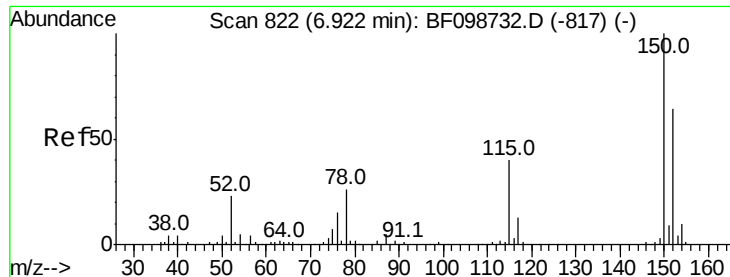
Instrument :
BNA_F
ClientSampleId :
G54A-0-3.5

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#1

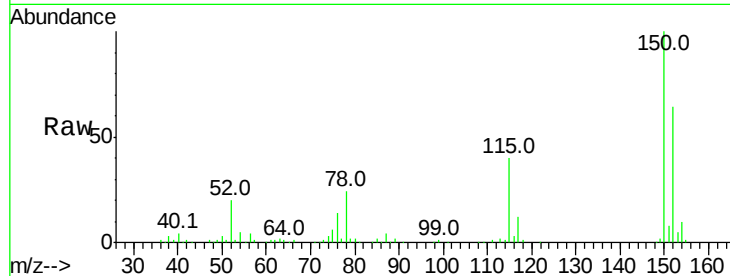
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Instrument :
BNA_F
ClientSampleId :
G54A-0-3.5

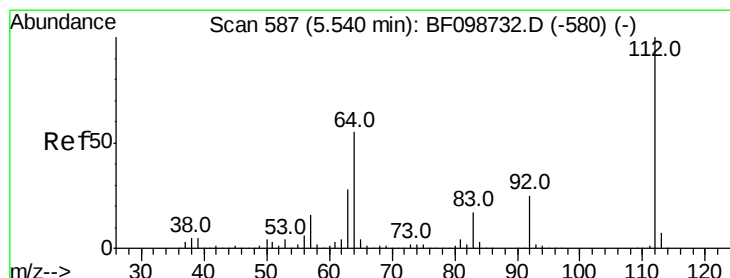
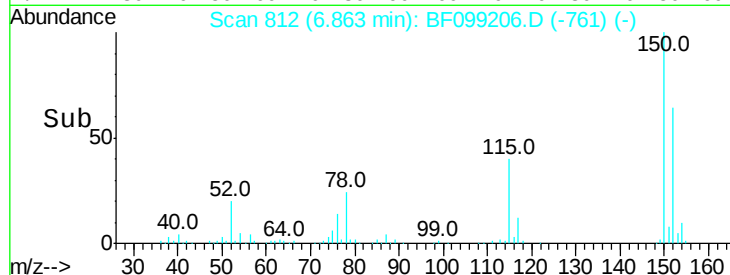
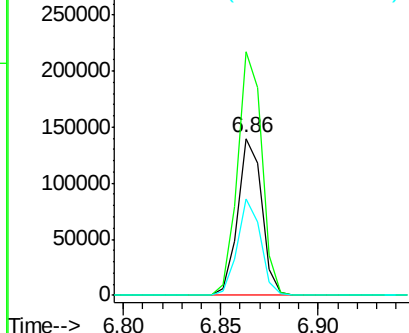
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	61.7	50.1	75.1

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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

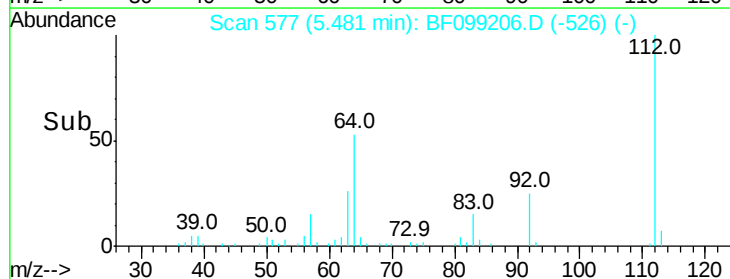
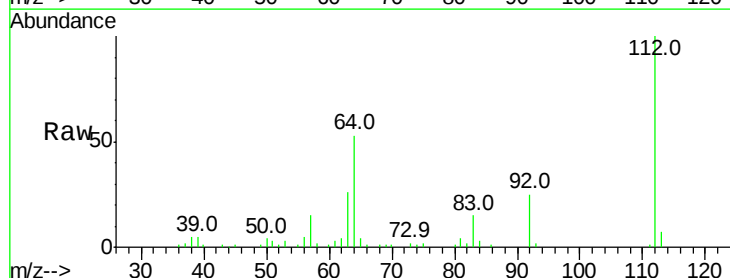
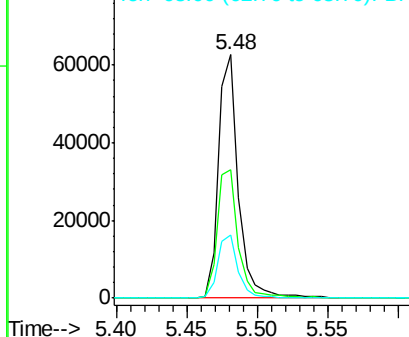


#5

2-Fluorophenol
Concen: 8.133 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	47.9	71.9
63	25.9	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: 8.367 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099206.D

Acq: 7 Oct 2017 20:49

Instrument :

BNA_F

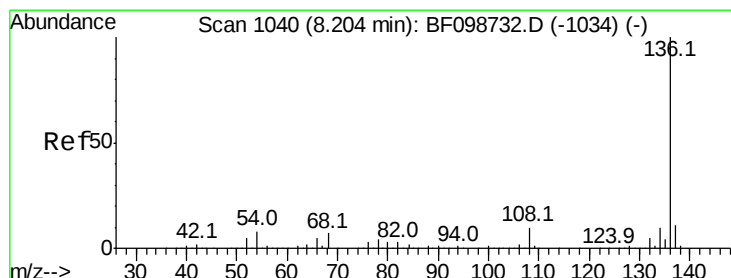
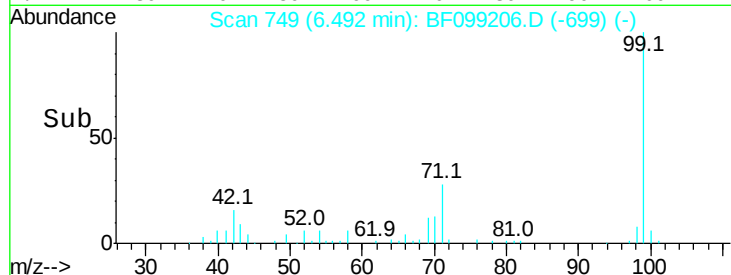
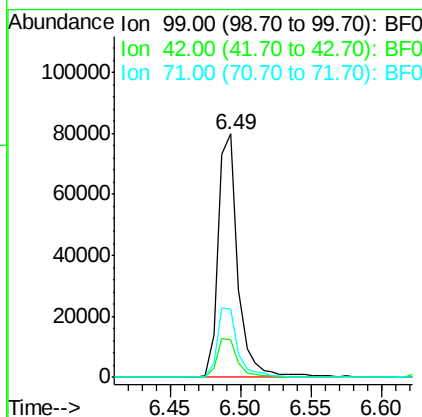
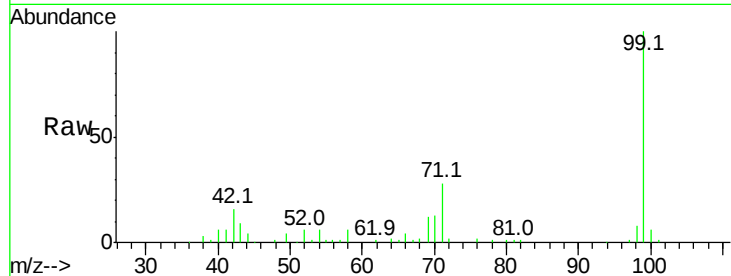
ClientSampled :

G54A-0-3.5

Tot Ion:	99	Resp:	77526
Ion	Ratio	Lower	Upper
99	100		
42	15.6	14.5	21.7
71	27.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

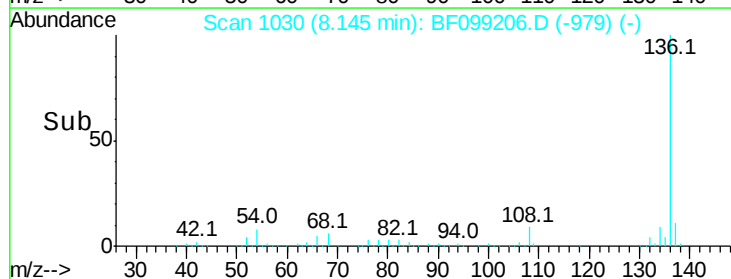
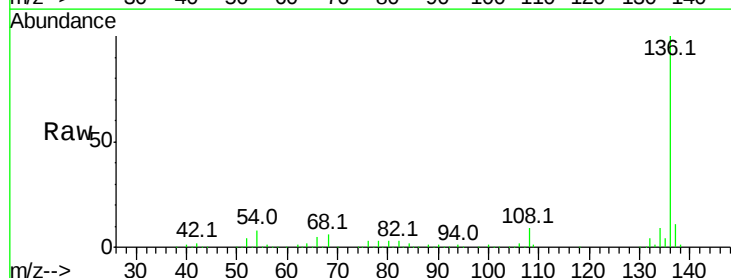
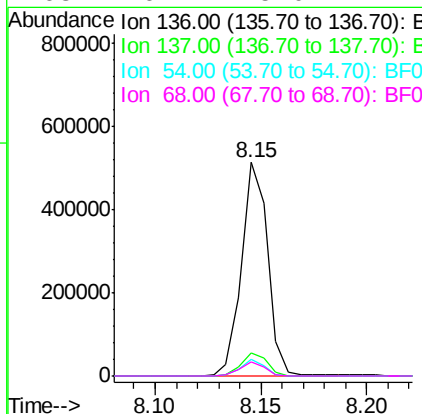
RT: 8.15 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF099206.D

Acq: 7 Oct 2017 20:49

Tgt Ion:	136	Resp:	441915
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.6	6.6	9.8
68	6.4	5.0	7.4





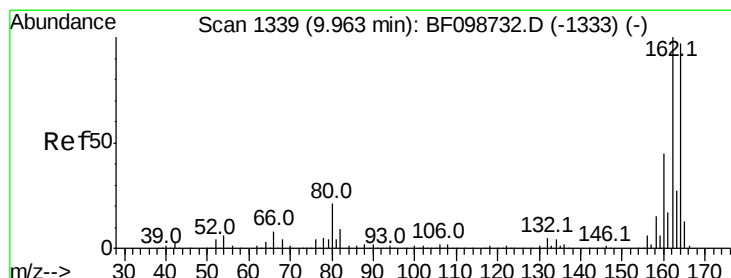
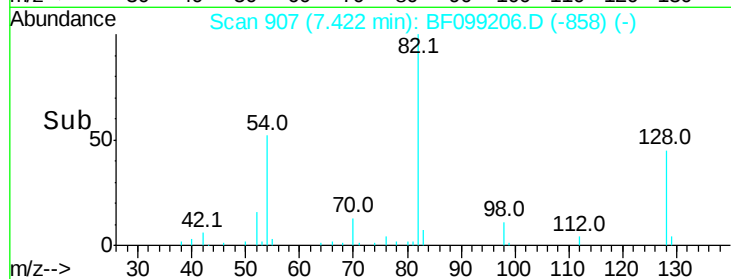
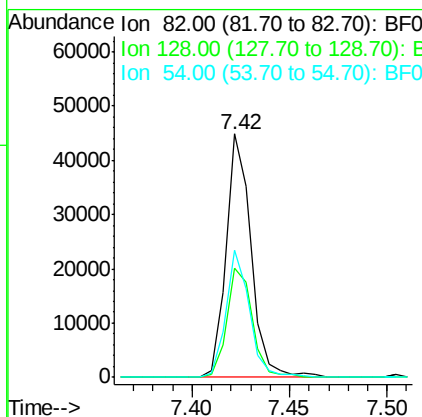
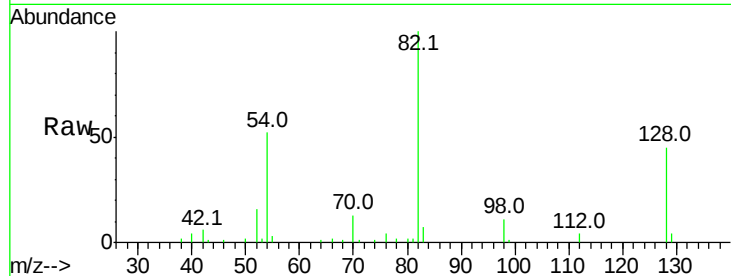
#23
 Nitrobenzene-d5
 Concen: 5.759 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF099206.D
 Acq: 7 Oct 2017 20:49

Instrument :
 BNA_F
 ClientSampleId :
 G54A-0-3.5

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.1	54.1
54	52.3	41.4	62.2

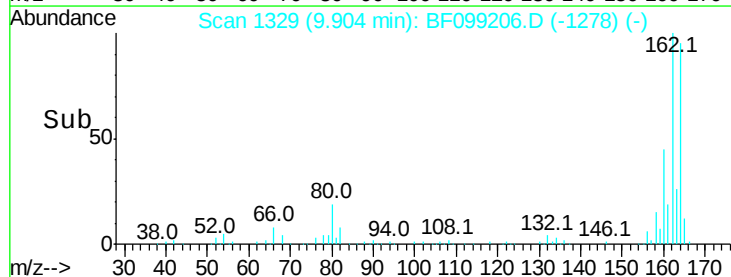
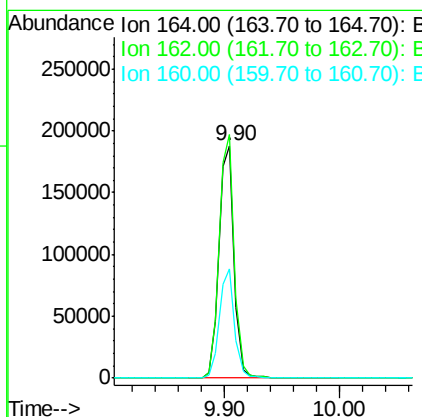
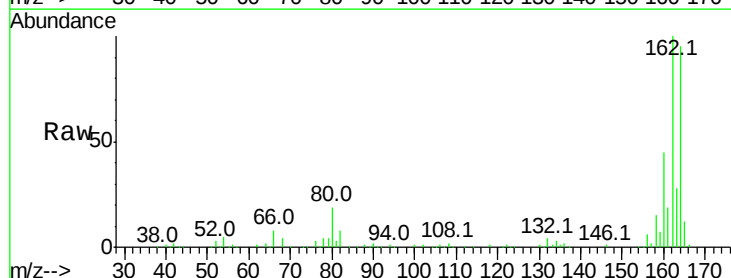
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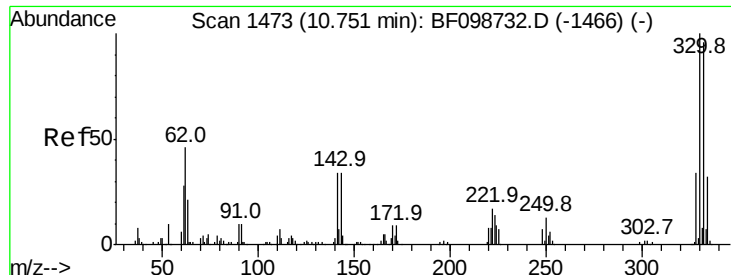
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.00 min
 Lab File: BF099206.D
 Acq: 7 Oct 2017 20:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	46.9	38.3	57.5





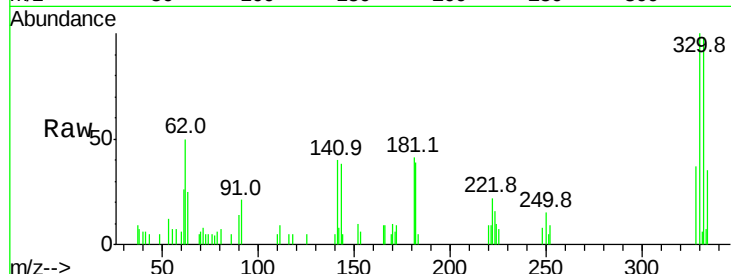
#41
 2,4,6-Tribromophenol
 Concen: 4.551 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF099206.D
 Acq: 7 Oct 2017 20:49

Instrument :
 BNA_F
 ClientSampled :
 G54A-0-3.5

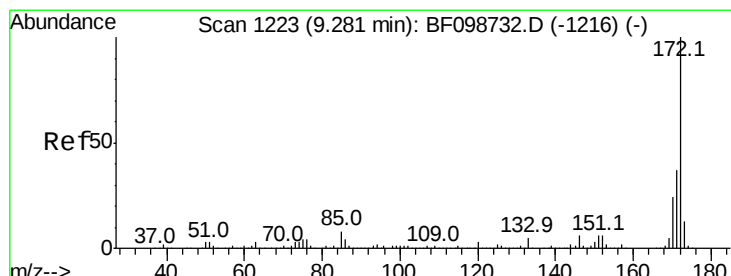
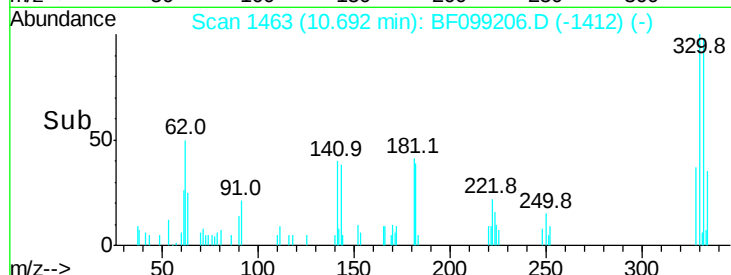
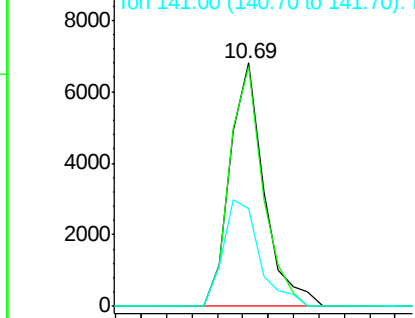
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	46.5	29.9	44.9#

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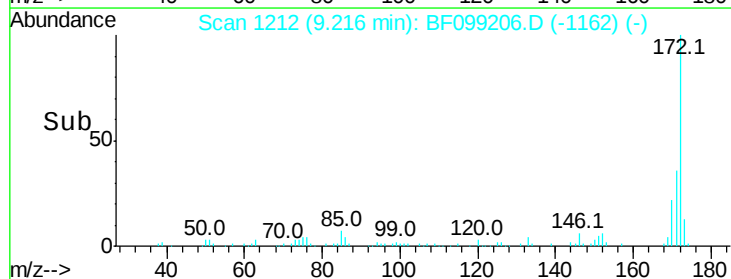
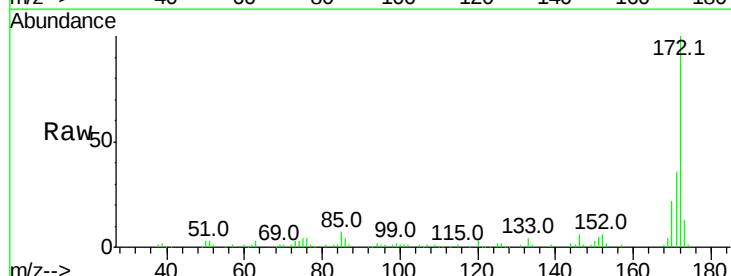
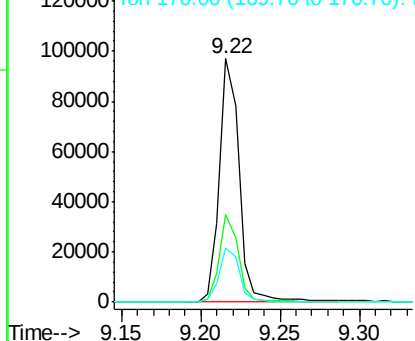
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

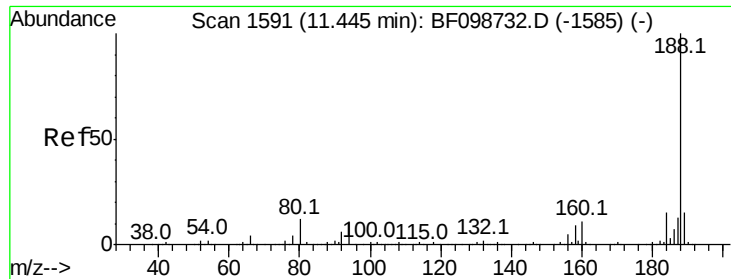


#44
 2-Fluorobiphenyl
 Concen: 8.241 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099206.D
 Acq: 7 Oct 2017 20:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	22.0	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





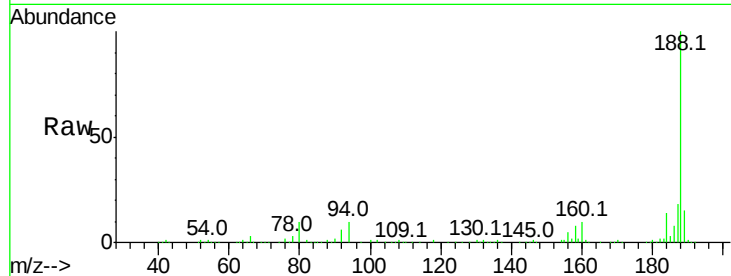
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Instrument :
BNA_F
ClientSampleId :
G54A-0-3.5

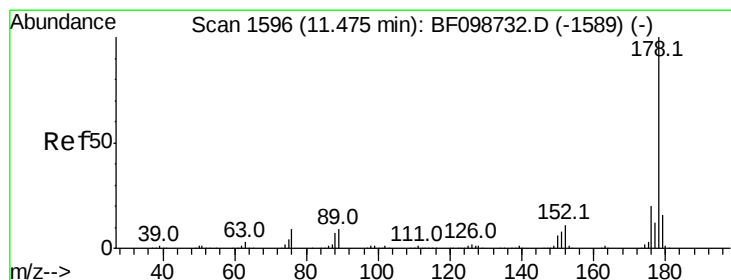
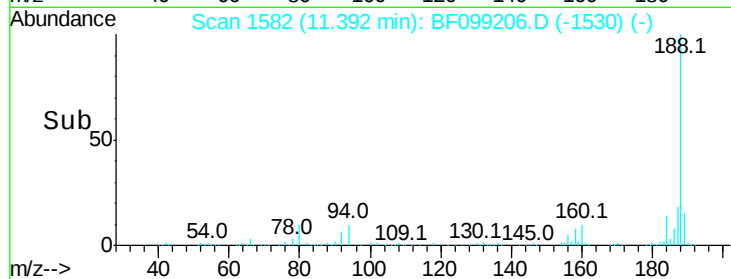
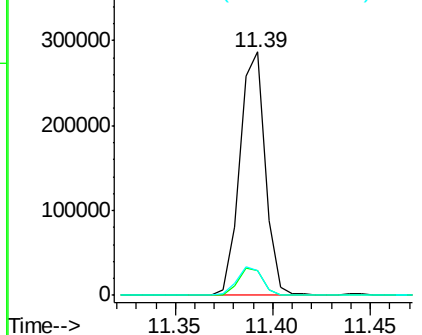
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.3	9.2	13.8

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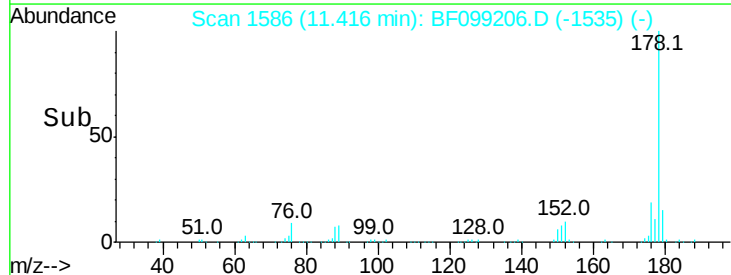
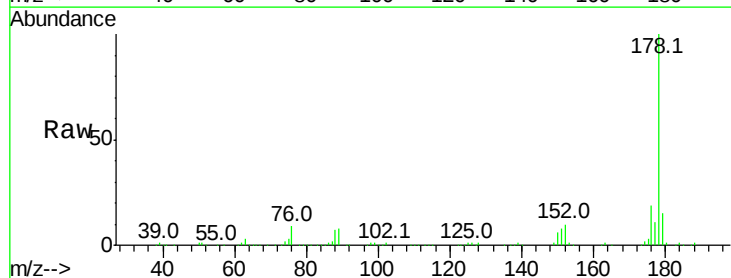
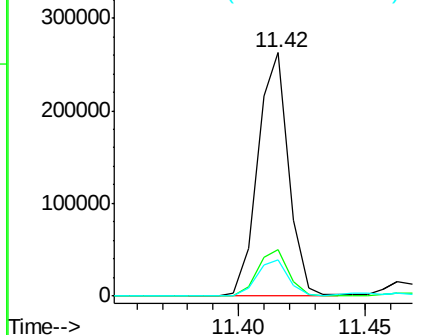
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

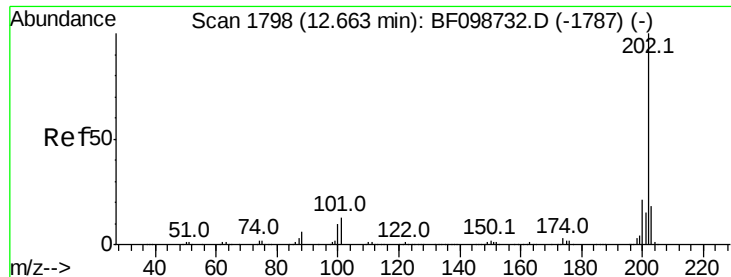


#70
Phenanthrene
Concen: 15.915 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	15.8	23.8
179	14.9	13.0	19.6

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 22.359 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BF099206.D

Acq: 7 Oct 2017 20:49

Instrument :

BNA_F

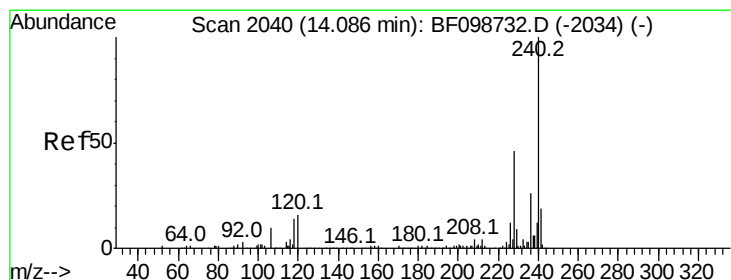
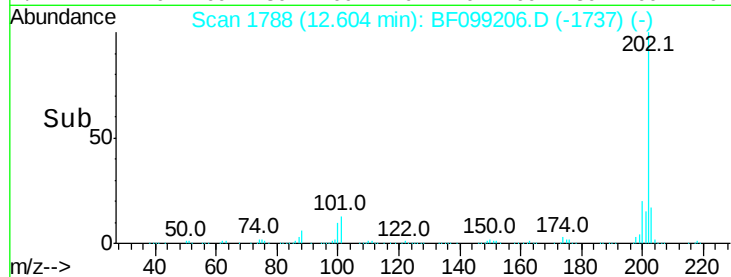
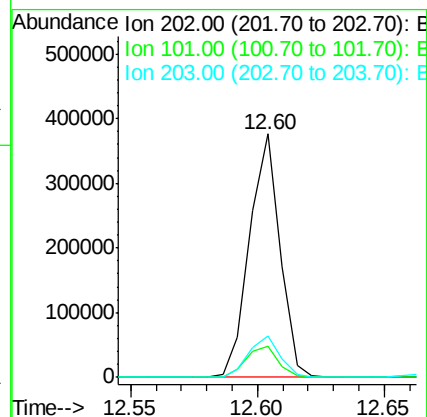
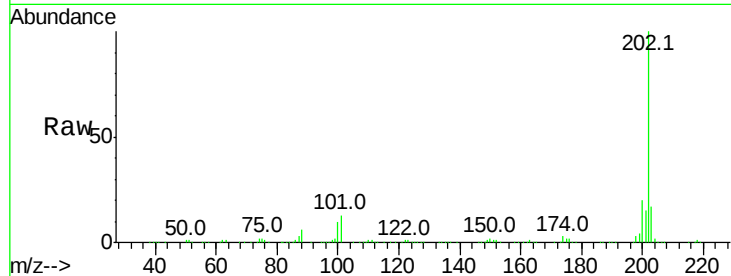
ClientSampled :

G54A-0-3.5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.0	0.0	34.1
203	16.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

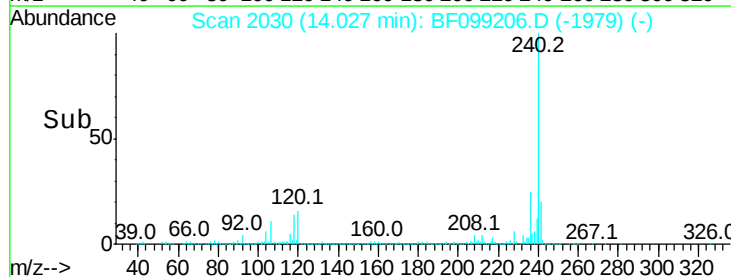
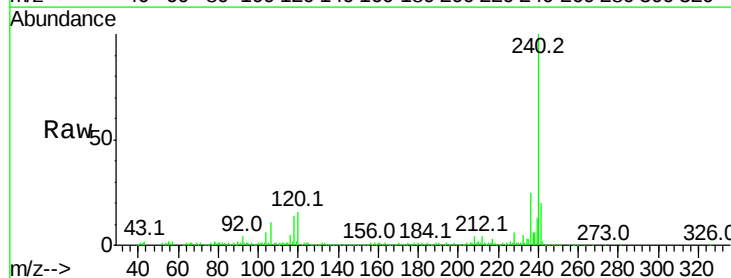
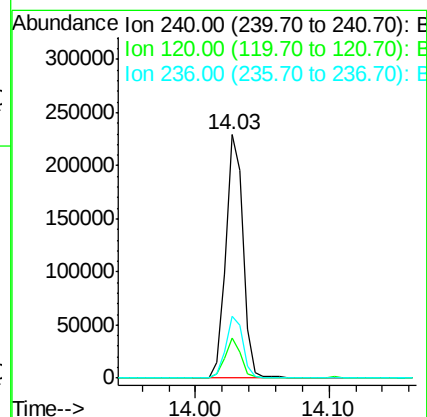
RT: 14.03 min Scan# 2030

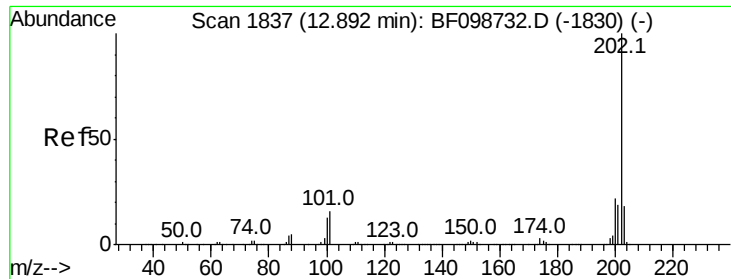
Delta R.T. 0.00 min

Lab File: BF099206.D

Acq: 7 Oct 2017 20:49

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.3	9.5	14.3#
236	25.4	20.7	31.1





#77

Pvrene

Concen: 13.733 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF099206.D

Acq: 7 Oct 2017 20:49

Instrument :

BNA_F

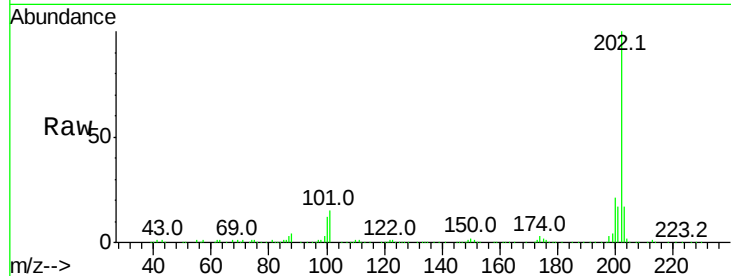
ClientSampleId :

G54A-0-3.5

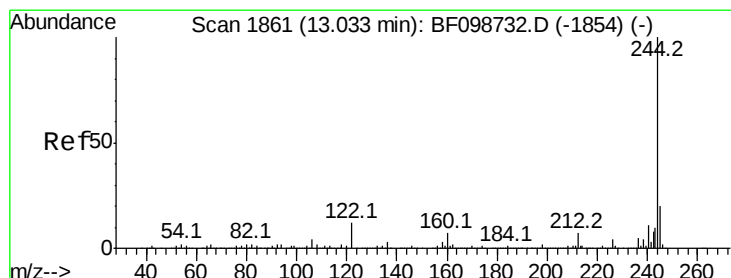
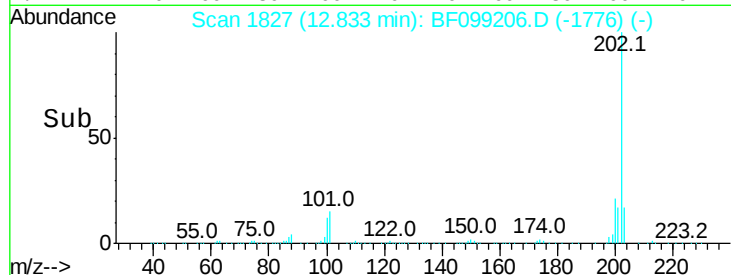
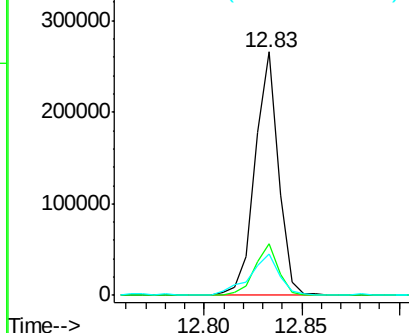
Tot Ion:	202	Resp:	222100
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.1	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 6.523 ng

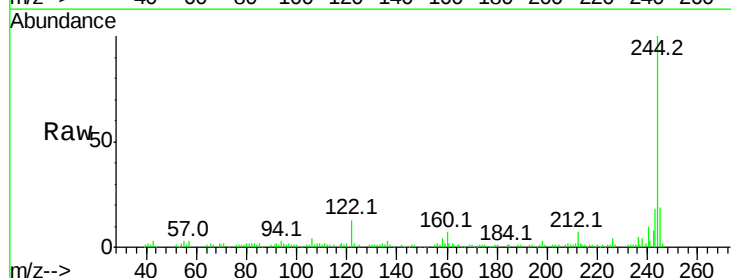
RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

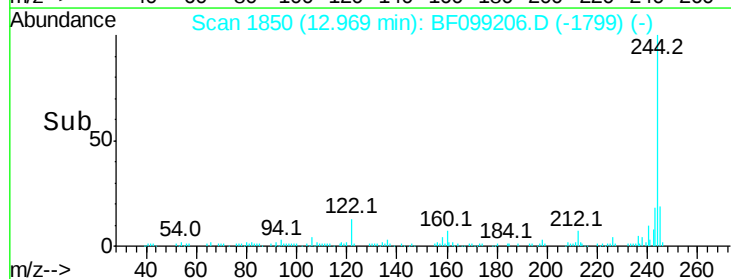
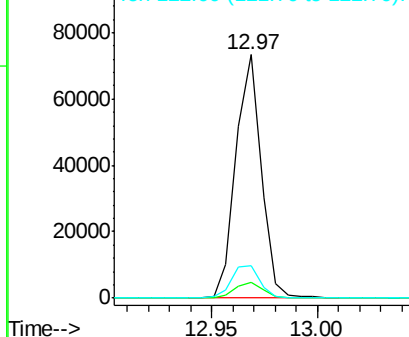
Lab File: BF099206.D

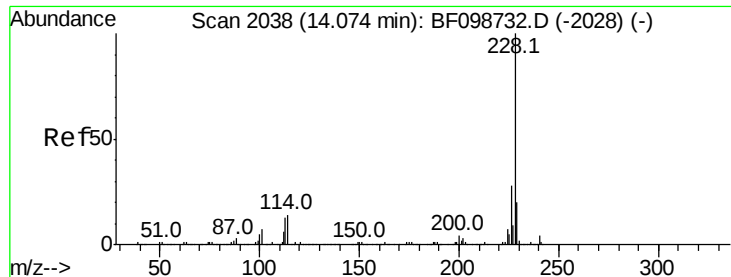
Acq: 7 Oct 2017 20:49

Tgt Ion:	244	Resp:	60830
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	13.4	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





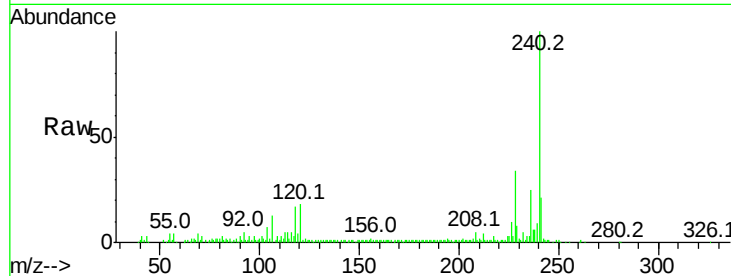
#80
Benzo(a)anthracene
Concen: 2.978 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Instrument :
BNA_F
ClientSampleId :
G54A-0-3.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	23.6	15.8	23.6

Manual Integrations
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Sohil
10/9/2017 6:34:58 PM

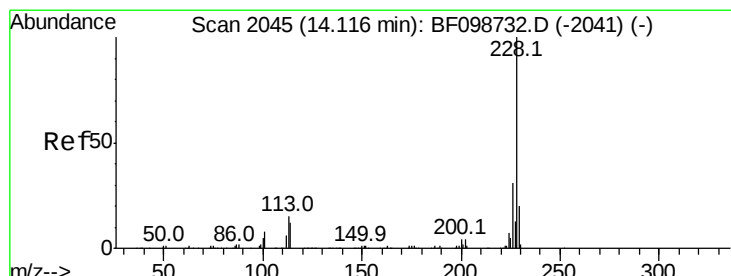
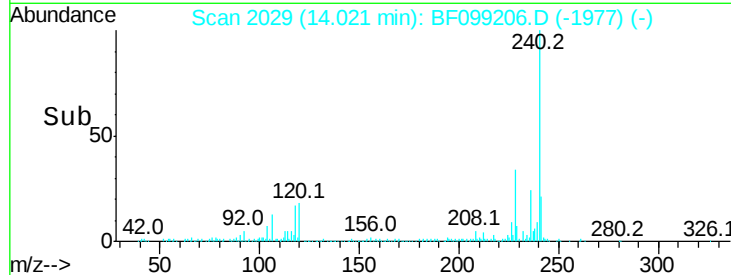
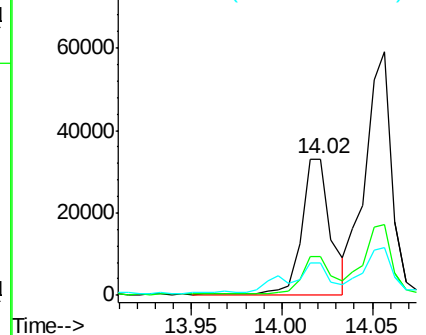


Abundance

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: 4.964 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

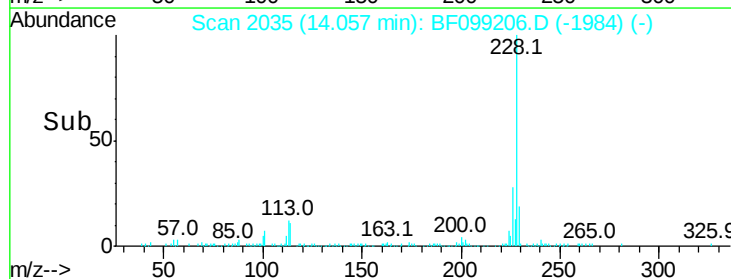
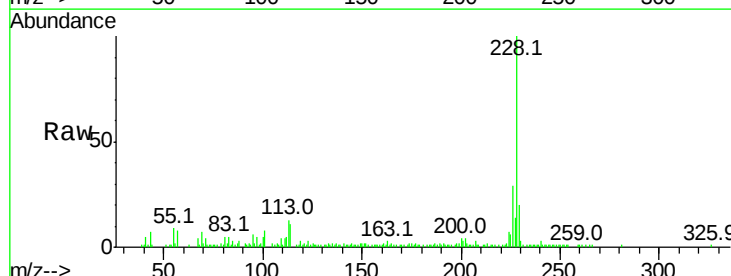
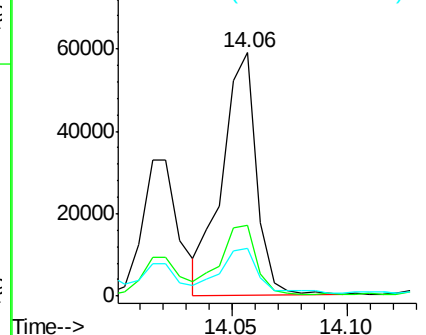
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	19.8	16.2	24.4

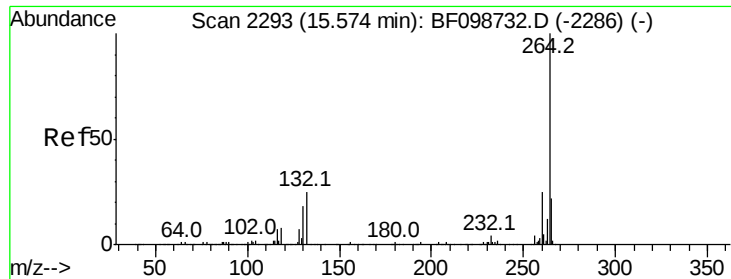
Abundance

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





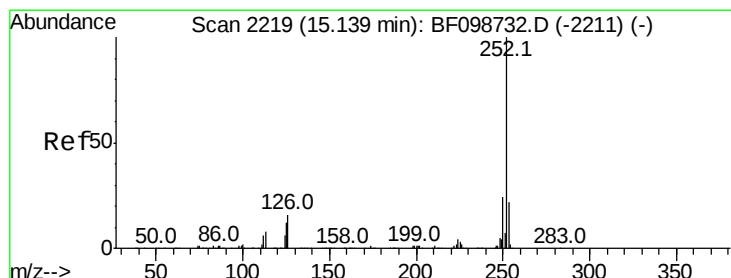
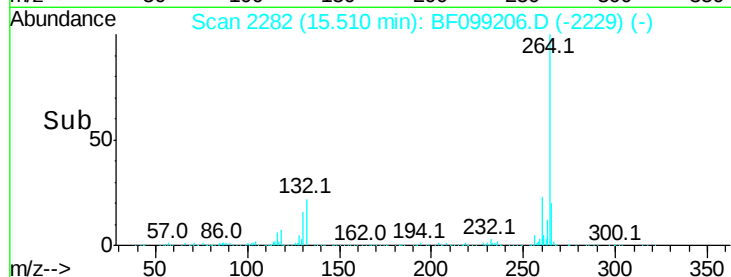
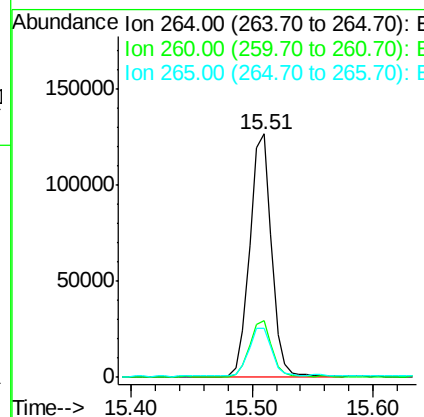
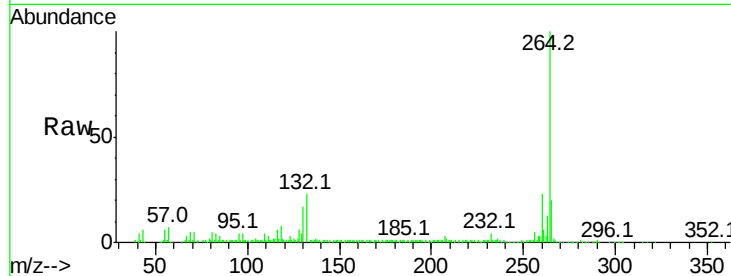
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Instrument :
BNA_F
ClientSampleId :
G54A-0-3.5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	20.1	17.5	26.3

Manual Integrations
APPROVED

Sohil
10/9/2017 6:34:58 PM



#87
Benzo(b)fluoranthene
Concen: 3.990 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.6
125	22.3	9.0	13.6

