

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099409.D
 Acq On : 12 Oct 2017 21:56
 Operator : SJ/JU
 Sample : I5729-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5N-(2-3)

Manual Integrations
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Sohil
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Quant Time: Oct 13 03:02:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	119365	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	473118	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	183446	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	258954	20.00	ng	0.00
75) Chrysene-d12	14.02	240	222678	20.00	ng	0.00
86) Perylene-d12	15.49	264	192800	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	658388	87.81	ng	0.01
7) Phenol-d6	6.49	99	796766	86.14	ng	0.00
23) Nitrobenzene-d5	7.42	82	472894	64.10	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	111396	74.21	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	827653	75.32	ng	0.00
78) Terphenyl-d14	12.96	244	515998	52.70	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	110145	7.955	ng	99
70) Phenanthrene	11.40	178	282623	20.390	ng	97
71) Anthracene	11.45	178	49603	3.497	ng	99
74) Fluoranthene	12.59	202	527181	37.559	ng	97
77) Pyrene	12.82	202	504743	29.726	ng	98
80) Benzo(a)anthracene	14.01	228	388456	28.809	ng	99
82) Chrysene	14.04	228	427175	33.277	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	182948	17.816	ng	97
87) Benzo(b)fluoranthene	15.06	252	674110m	56.867	ng	
88) Benzo(k)fluoranthene	15.09	252	194724m	16.631	ng	
89) Benzo(a)pyrene	15.43	252	338196	31.081	ng	# 95
90) Dibenzo(a,h)anthracene	16.97	278	58138m	6.676	ng	
91) Benzo(a,h,i)perylene	17.42	276	160369	18.630	ng	97

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

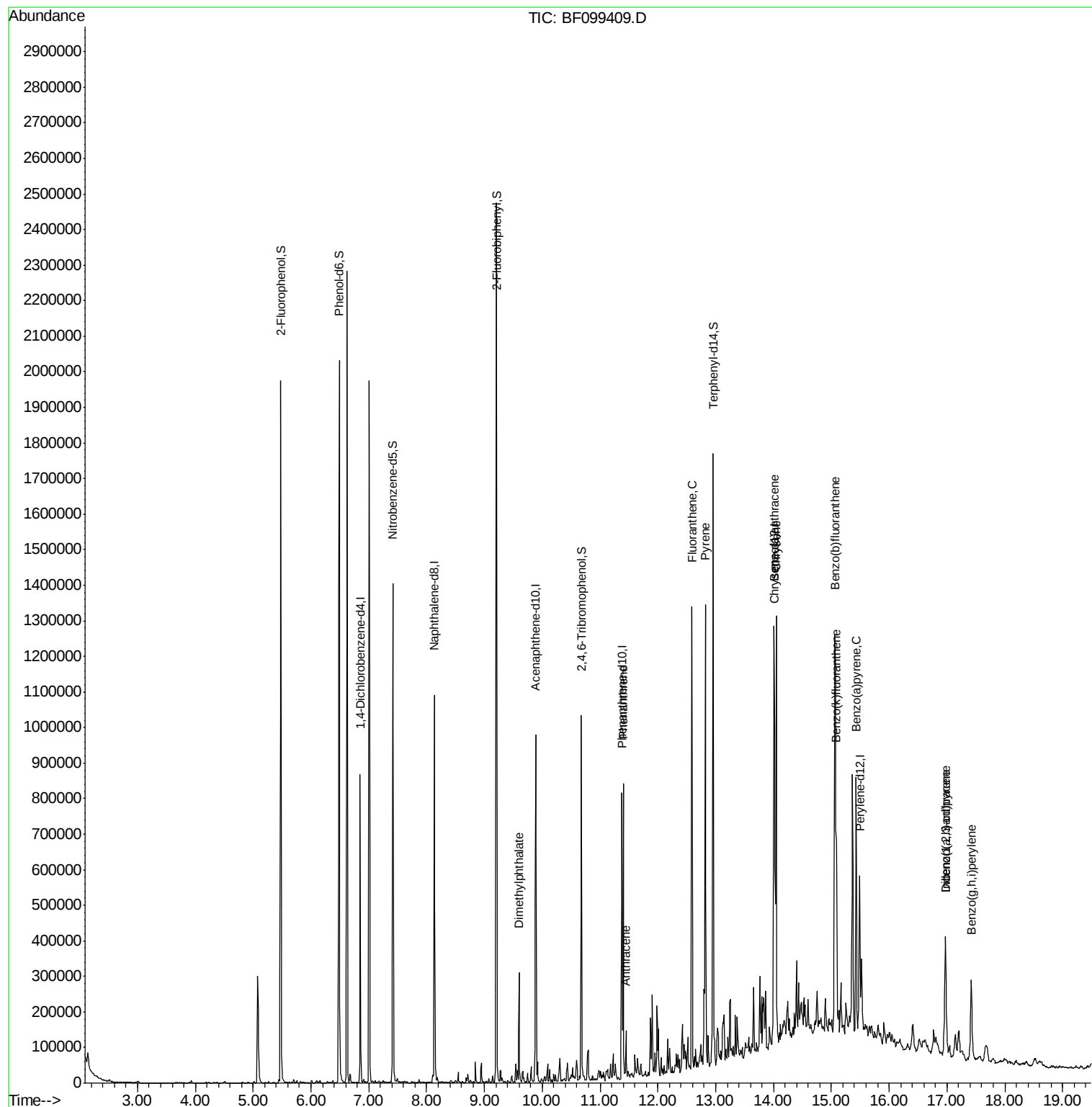
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099409.D
Acq On : 12 Oct 2017 21:56
Operator : SJ/JU
Sample : I5729-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

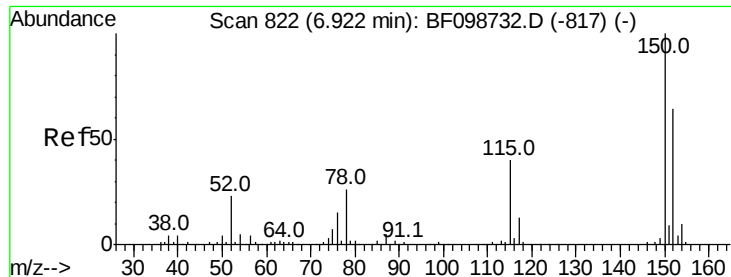
Instrument :
BNA_F
ClientSampleId :
5N-(2-3)

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Quant Time: Oct 13 03:02:26 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 11 16:25:21 2017
Response via : Initial Calibration





#1

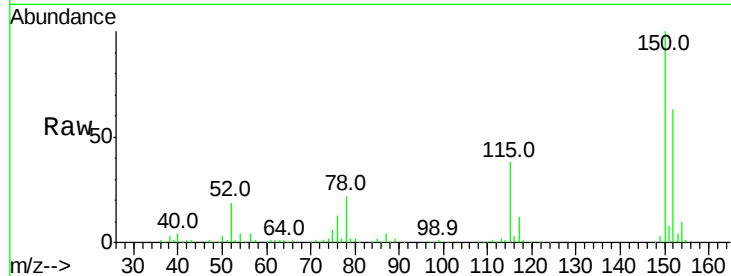
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

Instrument :
BNA_F
ClientSampleId :
5N-(2-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	60.4	50.1	75.1

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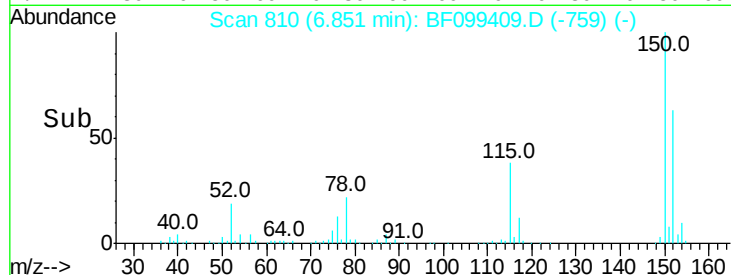
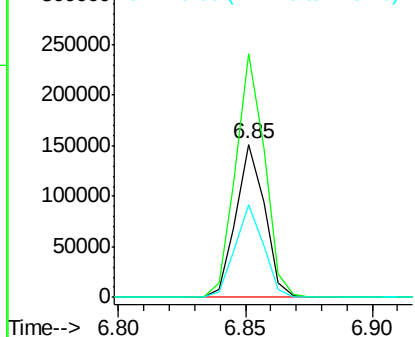


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

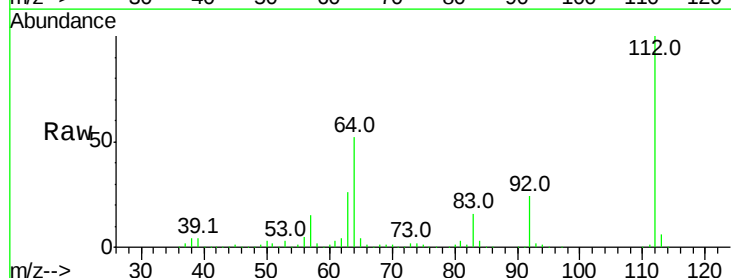
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.805 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	47.9	71.9
63	25.7	23.7	35.5

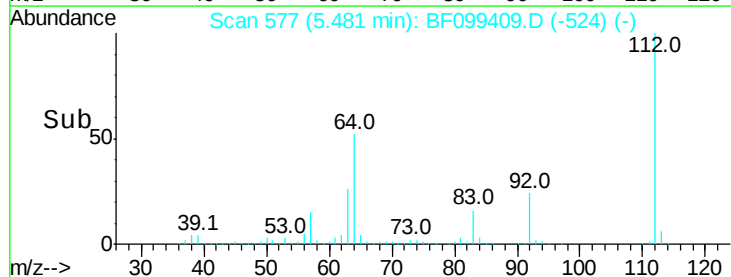
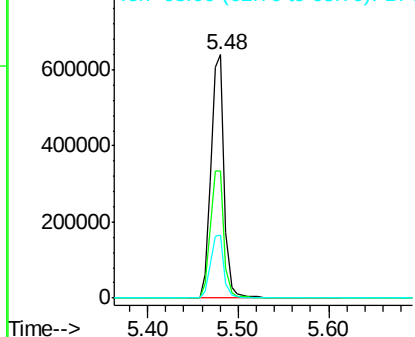


Abundance

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: 86.137 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Instrument :

BNA_F

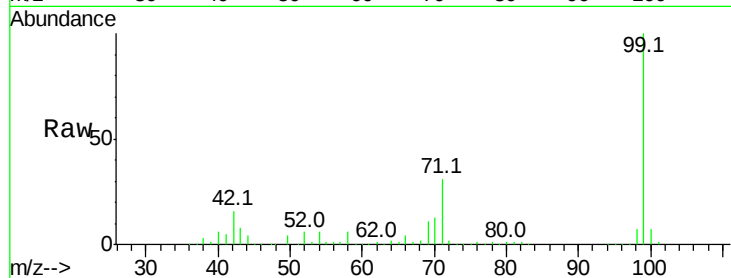
ClientSampled :

5N-(2-3)

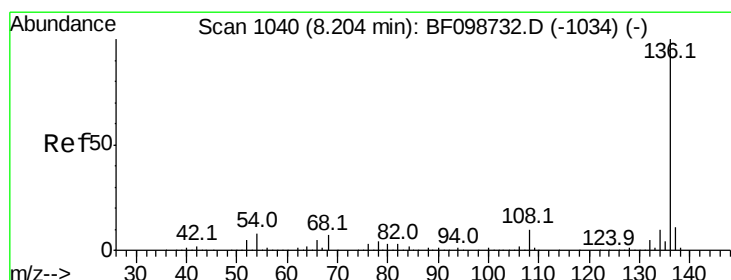
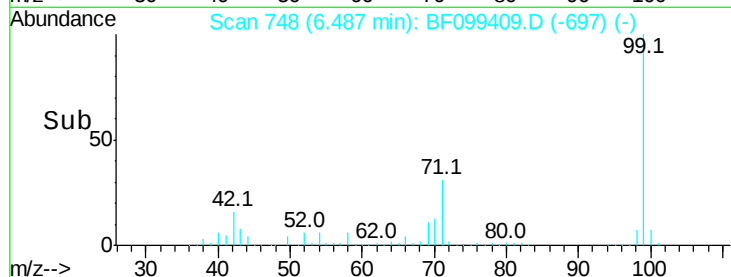
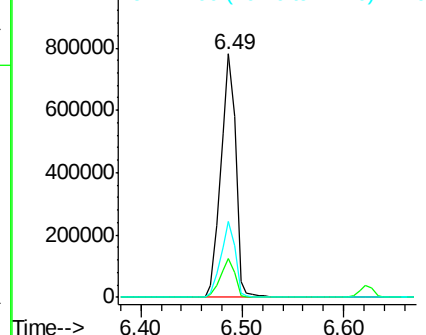
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		796766		
42	16.0	14.5	21.7		
71	30.9	25.4	38.0		

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

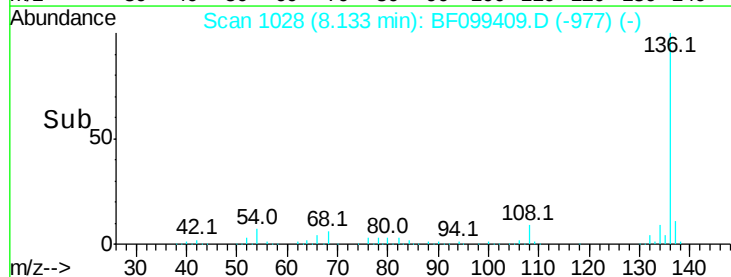
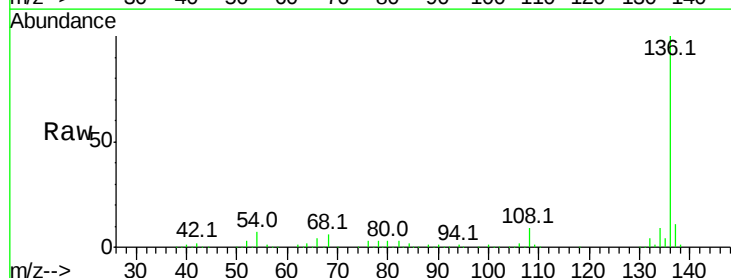
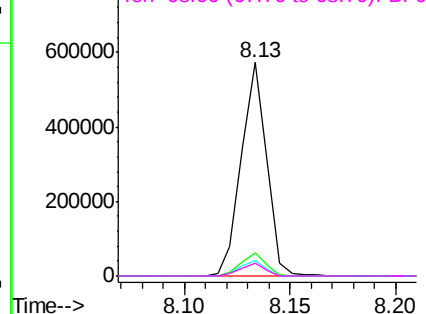
Delta R.T. -0.00 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		473118		
137	11.0	8.9	13.3		
54	7.3	6.6	9.8		
68	5.8	5.0	7.4		

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





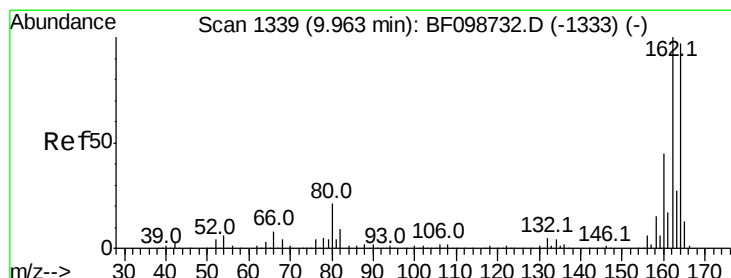
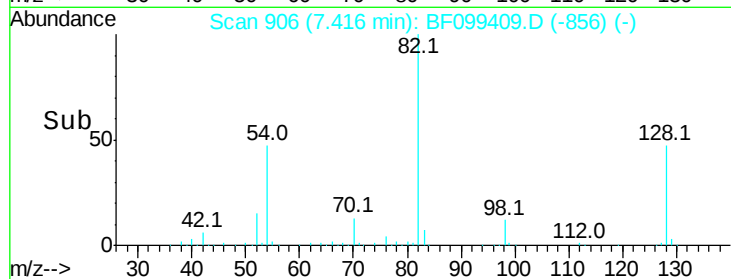
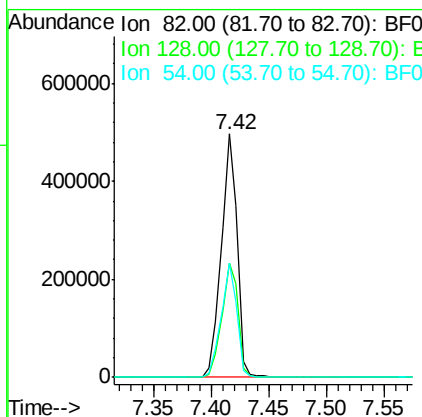
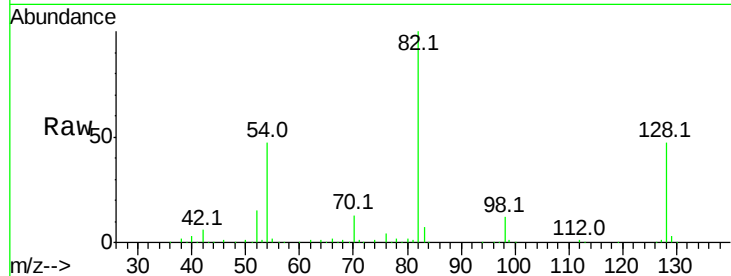
#23
 Nitrobenzene-d5
 Concen: 64.100 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF099409.D
 Acq: 12 Oct 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :
 5N-(2-3)

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	36.1	54.1
54	47.0	41.4	62.2

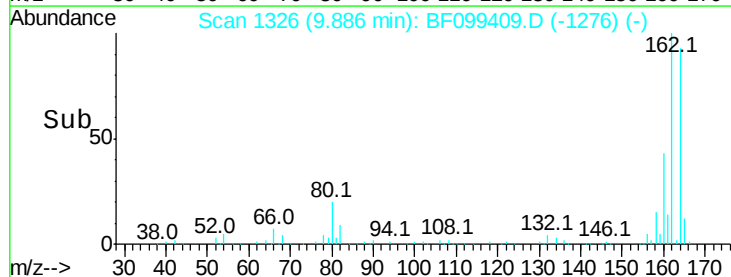
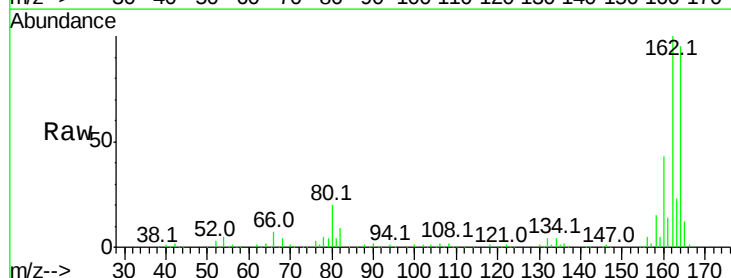
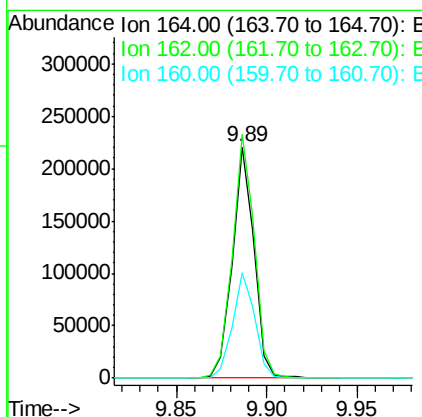
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF099409.D
 Acq: 12 Oct 2017 21:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	86.1	129.1
160	45.6	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 74.210 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.00 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Instrument :

BNA_F

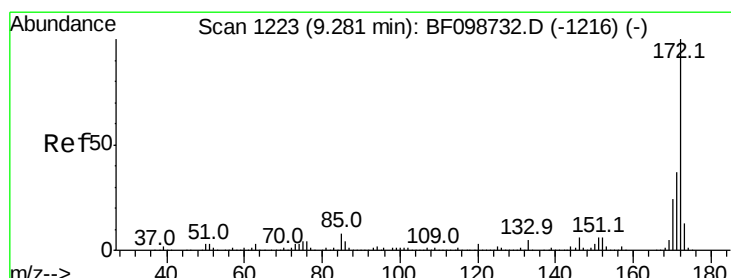
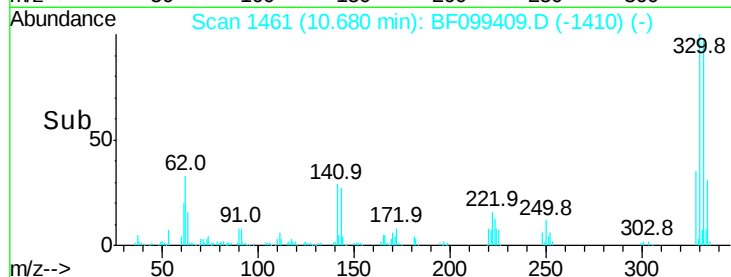
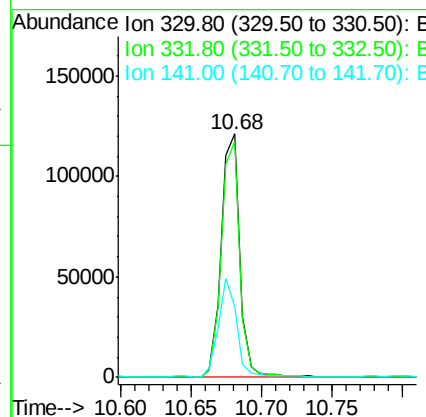
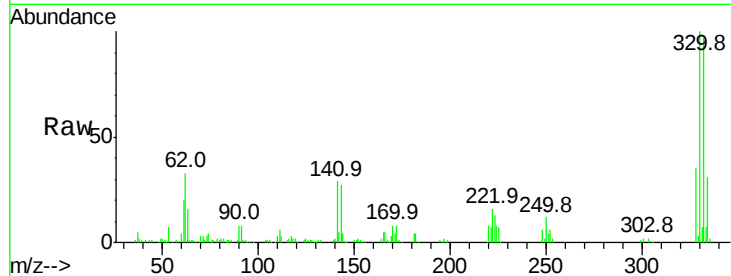
ClientSampled :

5N-(2-3)

Tot Ion:	330	Resp:	111396
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.0	115.6
141	40.5	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 75.319 ng

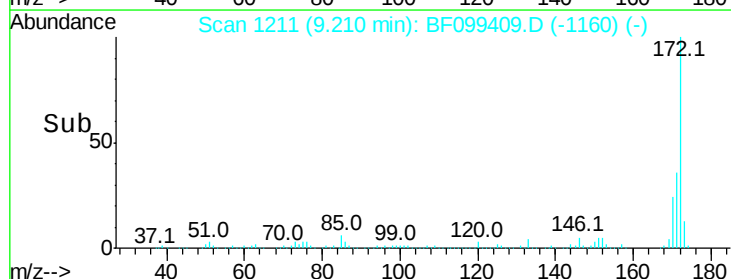
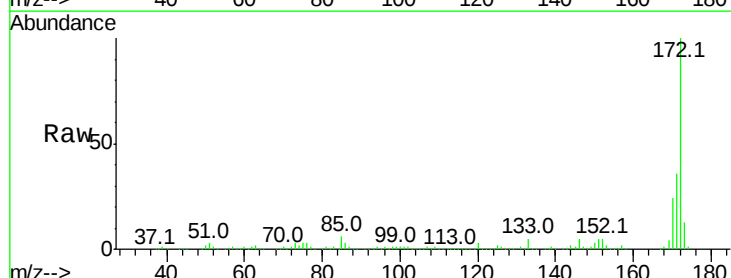
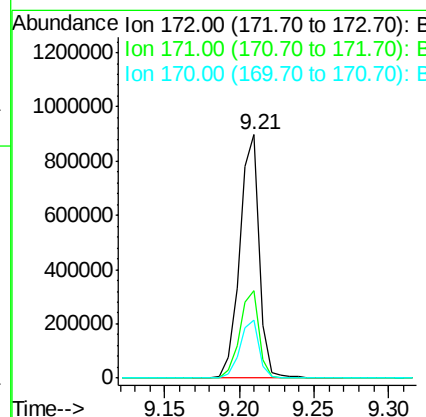
RT: 9.21 min Scan# 1211

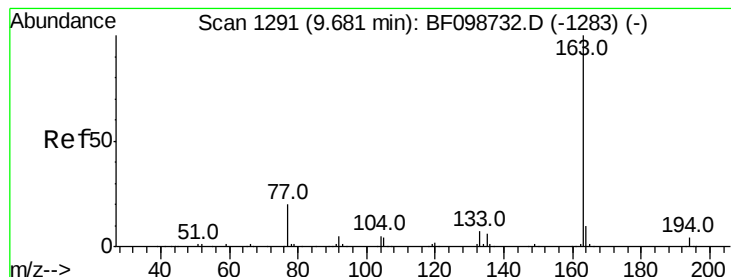
Delta R.T. -0.00 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Tgt Ion:	172	Resp:	827653
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.7	44.5
170	23.7	19.6	29.4





#49

Dimethylphthalate

Concen: 7.955 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Instrument :

BNA_F

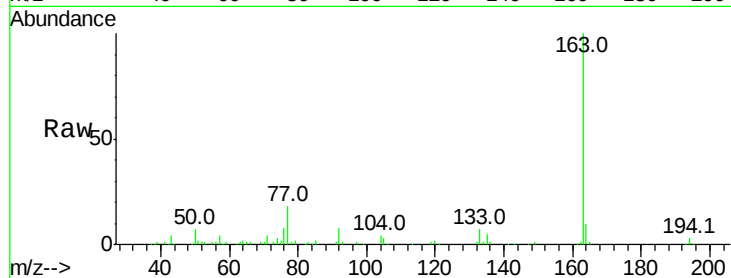
ClientSampled :

5N-(2-3)

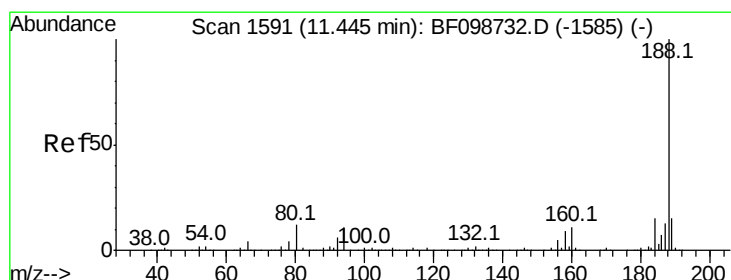
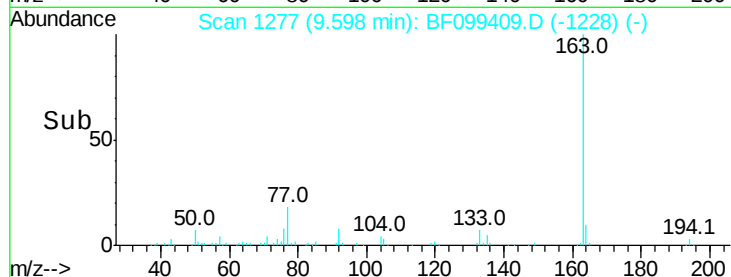
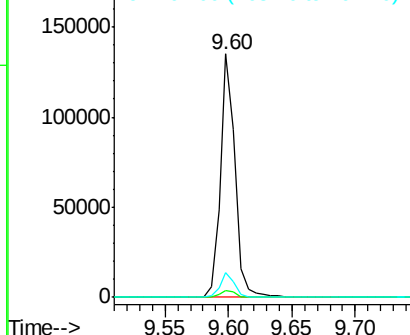
Tot Ion:	163	Resp:	110145
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.7	4.1
164	10.0	8.2	12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

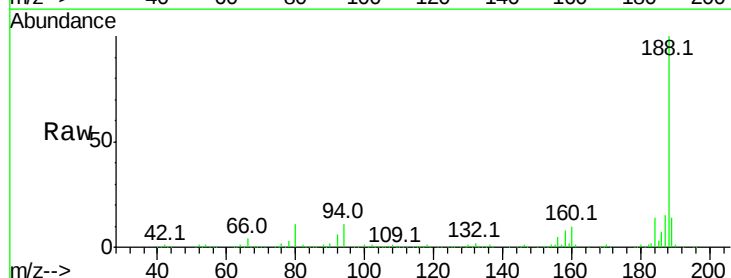
RT: 11.37 min Scan# 1579

Delta R.T. -0.00 min

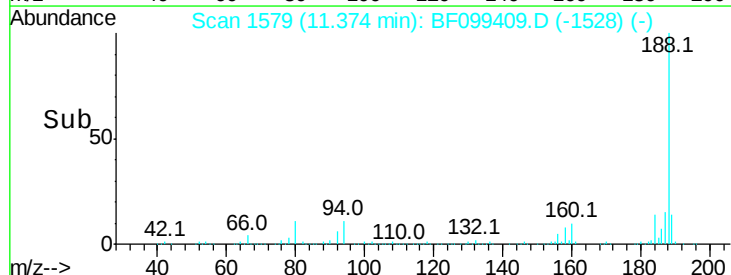
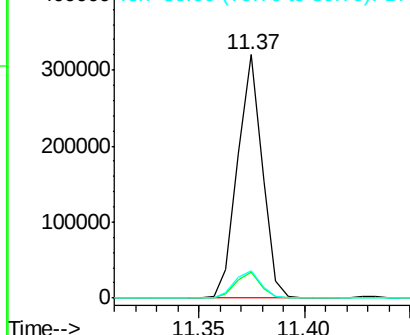
Lab File: BF099409.D

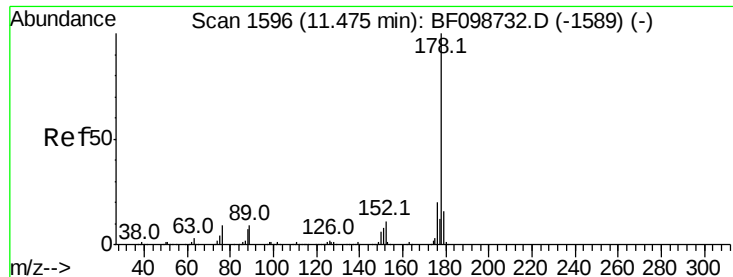
Acq: 12 Oct 2017 21:56

Tgt Ion:	188	Resp:	258954
Ion Ratio	Lower	Upper	
188	100		
94	10.6	8.5	12.7
80	11.3	9.2	13.8



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: 20.390 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Instrument :

BNA_F

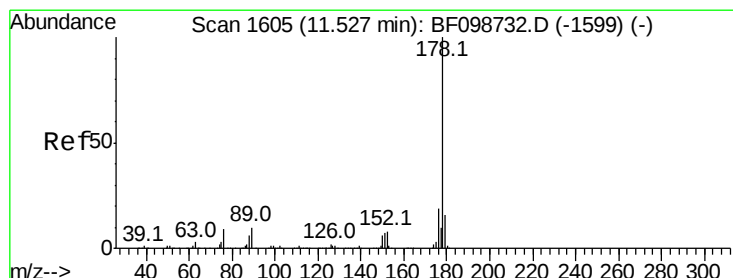
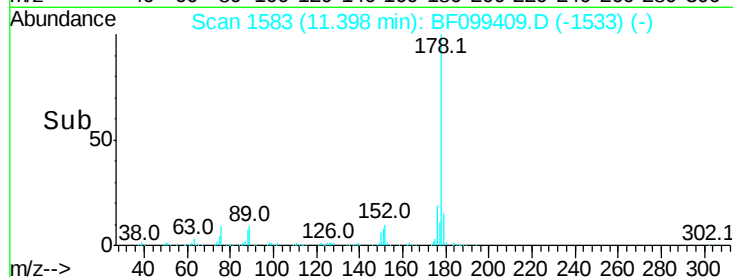
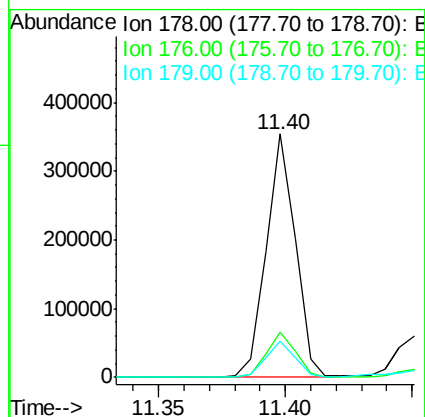
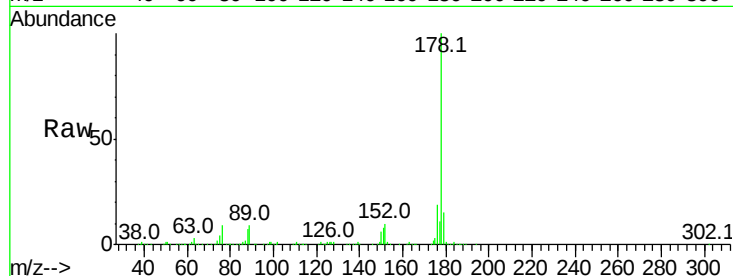
ClientSampleId :

5N-(2-3)

Tot Ion:178	Resp:	282623
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.8 23.8
179	14.6	13.0 19.6

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#71

Anthracene

Concen: 3.497 ng

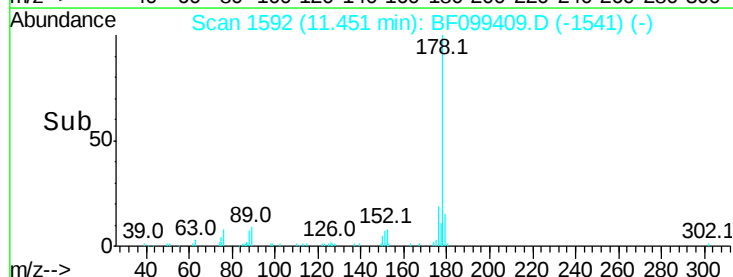
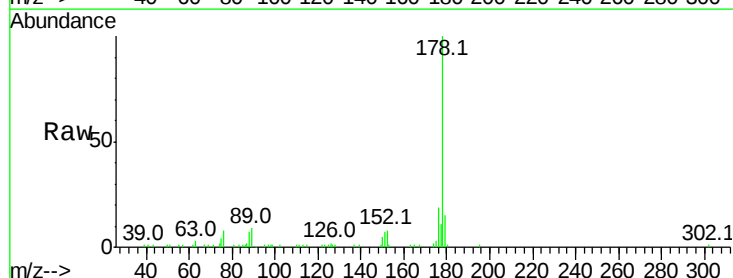
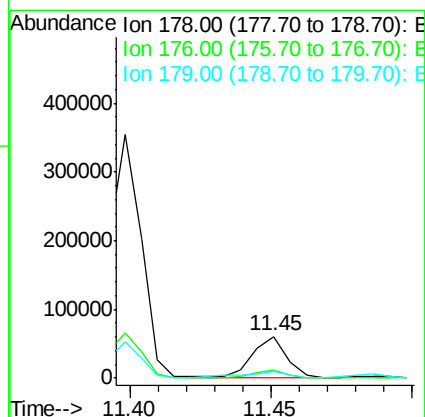
RT: 11.45 min Scan# 1592

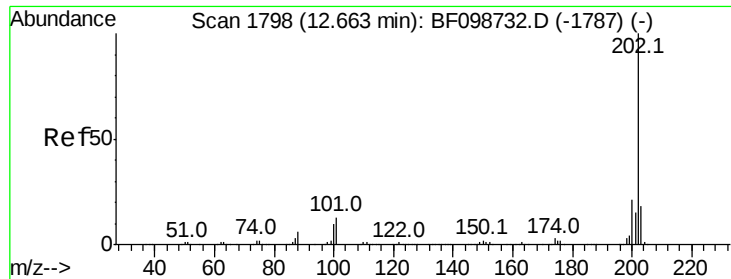
Delta R.T. -0.00 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Tgt Ion:178	Resp:	49603
Ion Ratio	Lower	Upper
178	100	
176	19.4	15.4 23.2
179	15.0	12.6 19.0





#74

Fluoranthene

Concen: 37.559 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Instrument :

BNA_F

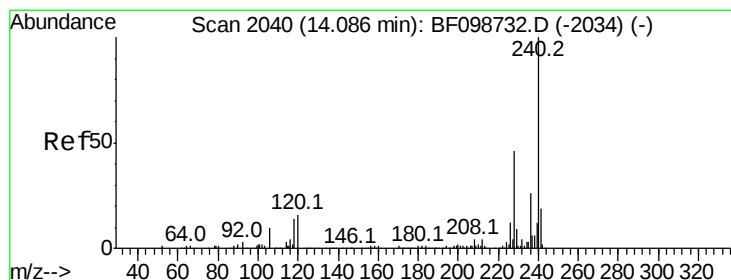
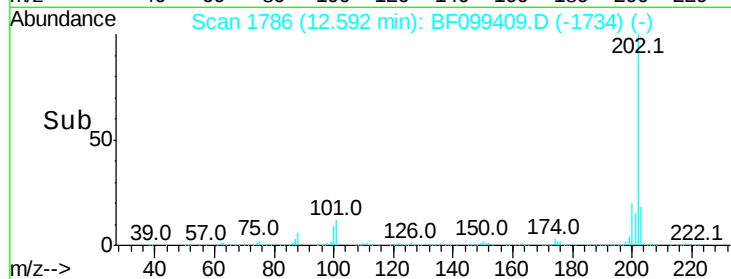
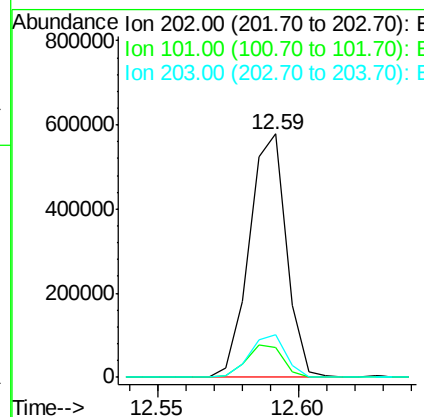
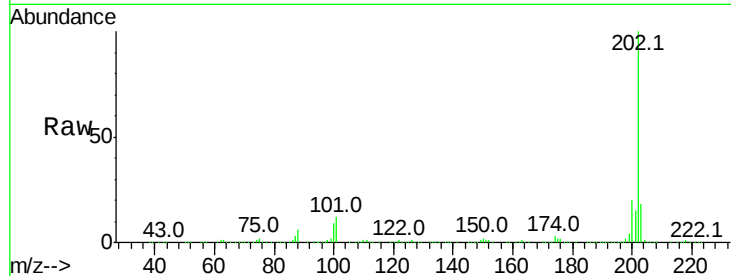
ClientSampleId :

5N-(2-3)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	527181		
101	12.4	0.0	34.1	
203	17.5	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

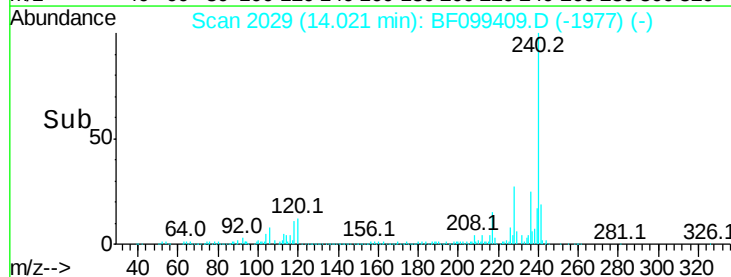
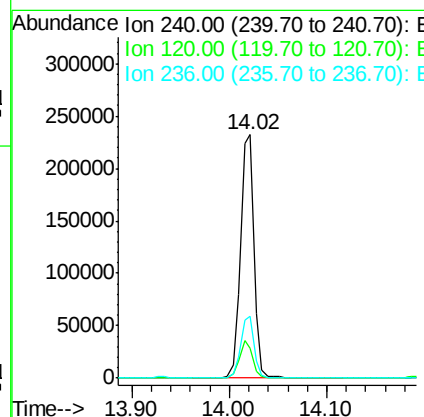
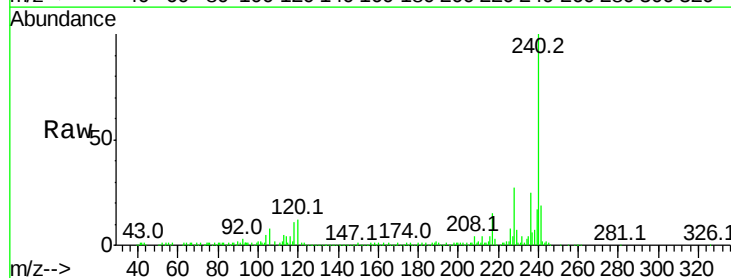
RT: 14.02 min Scan# 2029

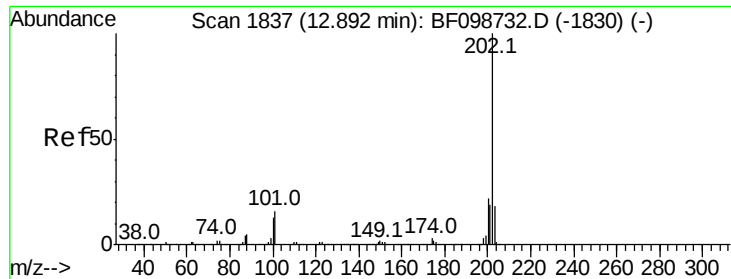
Delta R.T. 0.01 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	222678		
120	12.0	9.5	14.3	
236	25.3	20.7	31.1	





#77

Pvrene

Concen: 29.726 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Instrument :

BNA_F

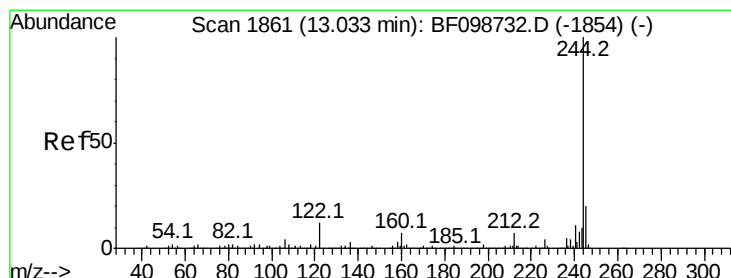
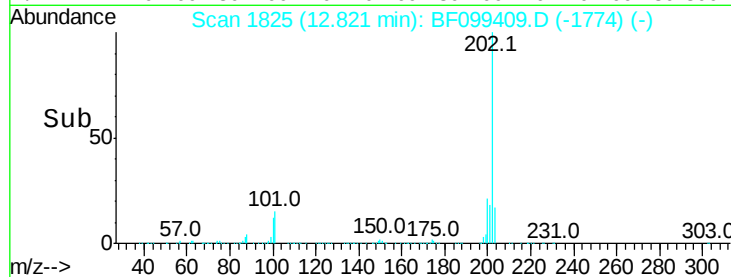
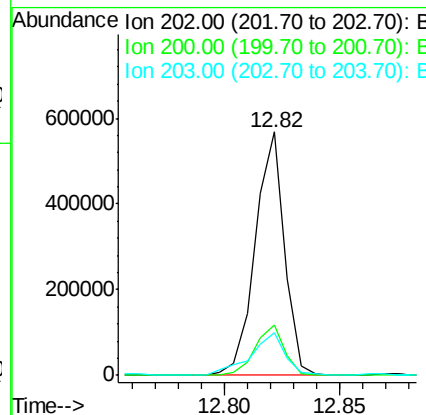
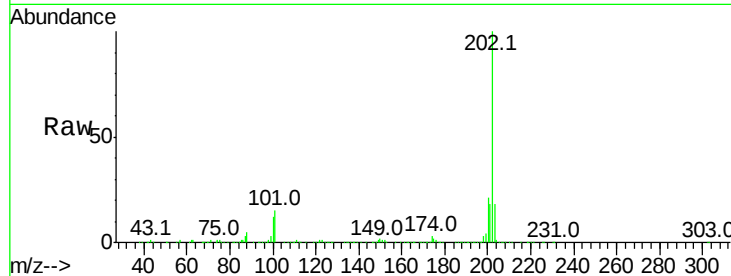
ClientSampleId :

5N-(2-3)

Tot Ion:	202	Resp:	504743
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	17.5	14.3	21.5

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#78

Terphenyl-d14

Concen: 52.699 ng

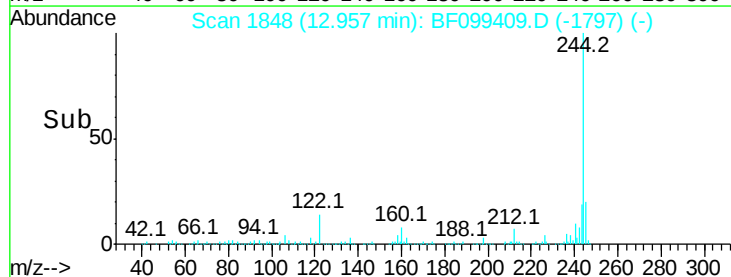
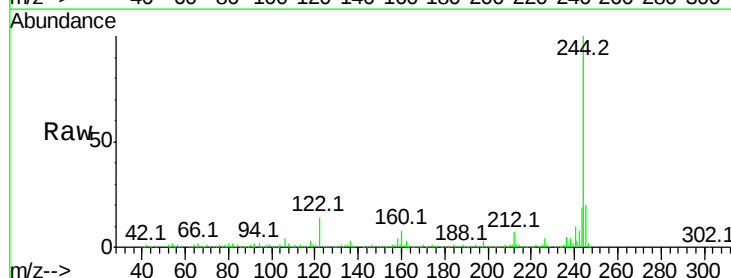
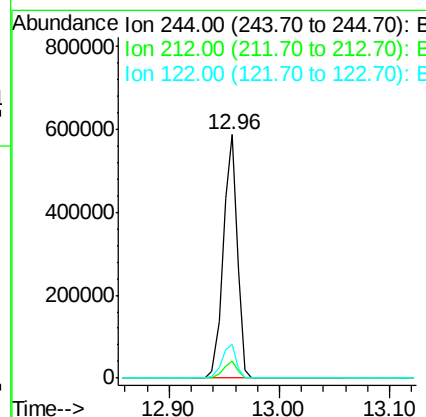
RT: 12.96 min Scan# 1848

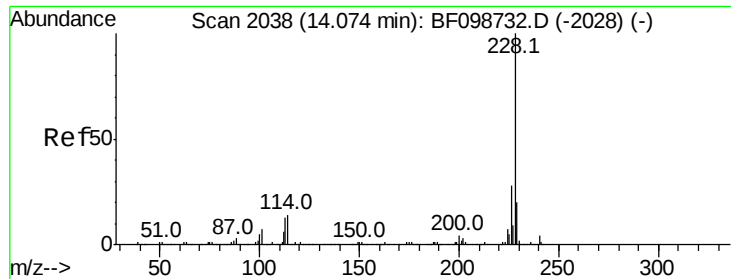
Delta R.T. -0.00 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Tgt Ion:	244	Resp:	515998
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	13.8	11.0	16.4





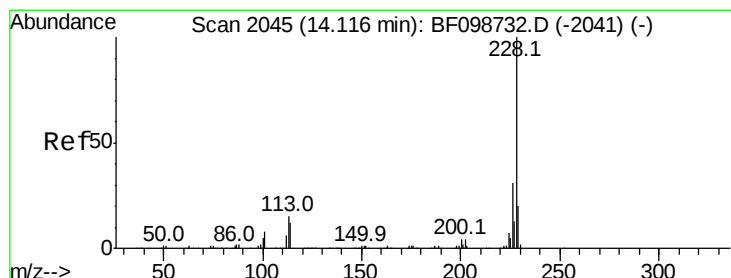
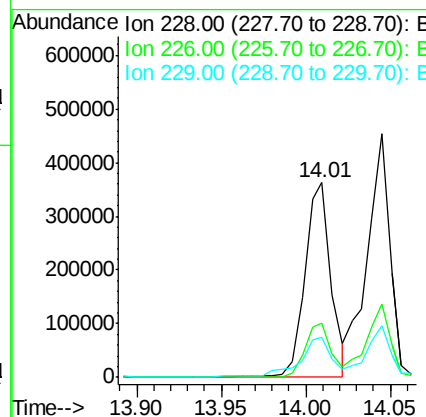
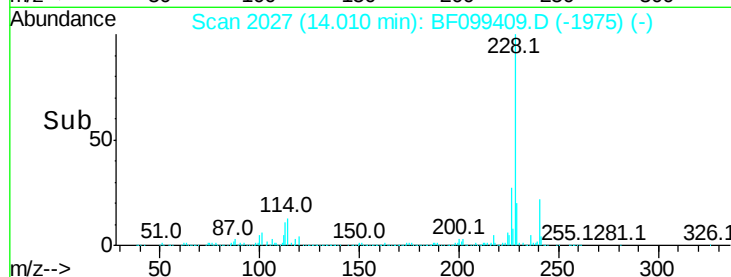
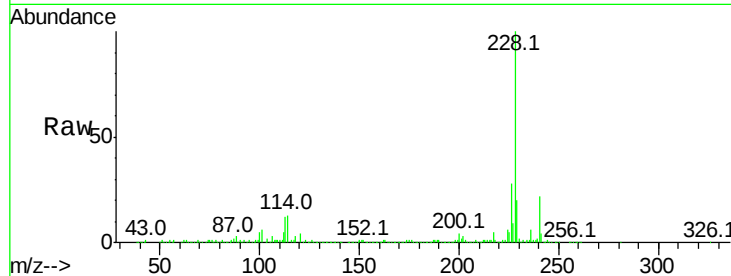
#80
Benzo(a)anthracene
Concen: 28.809 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

Instrument :
BNA_F
ClientSampleId :
5N-(2-3)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	388456		
226	27.6		22.6	33.8
229	20.4		15.8	23.6

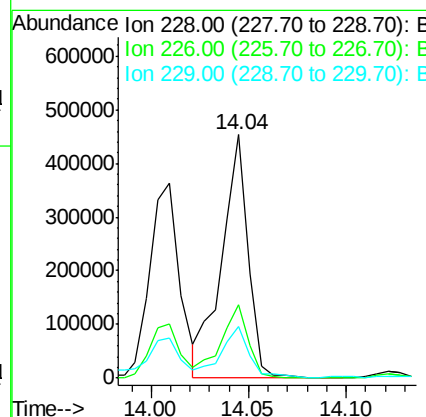
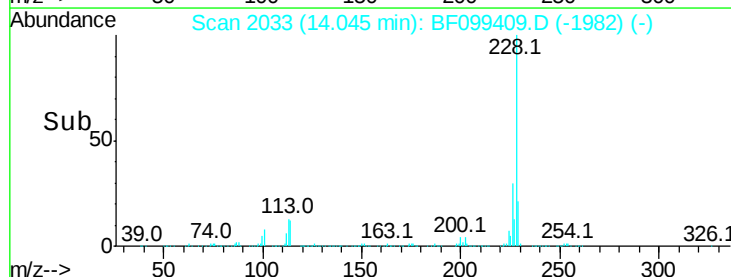
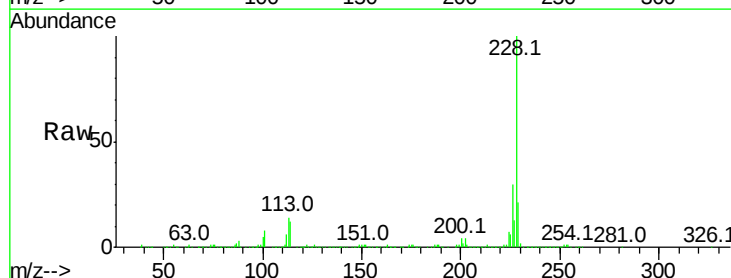
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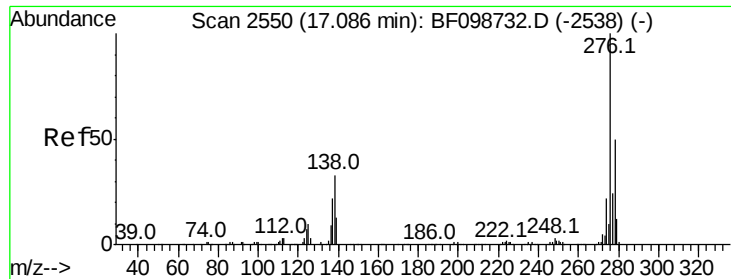
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#82
Chrysene
Concen: 33.277 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	427175		
226	30.3		25.0	37.6
229	21.1		16.2	24.4





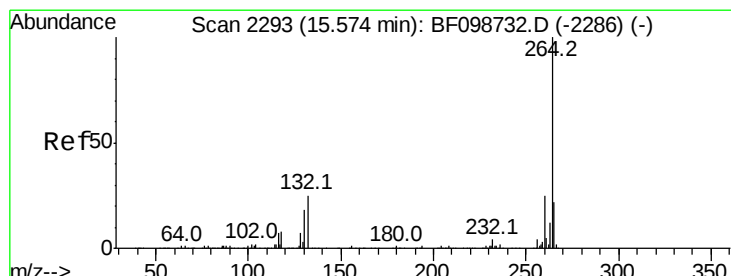
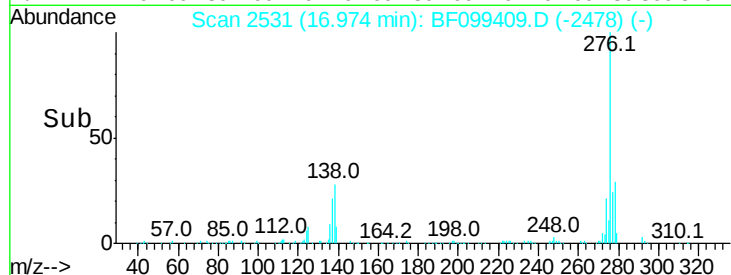
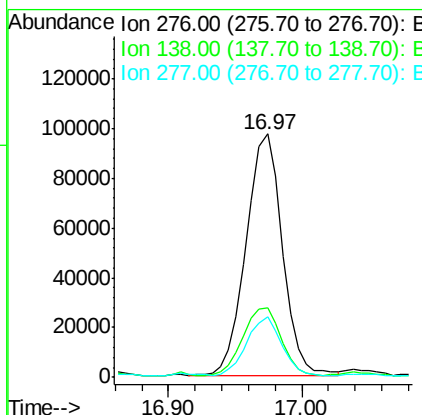
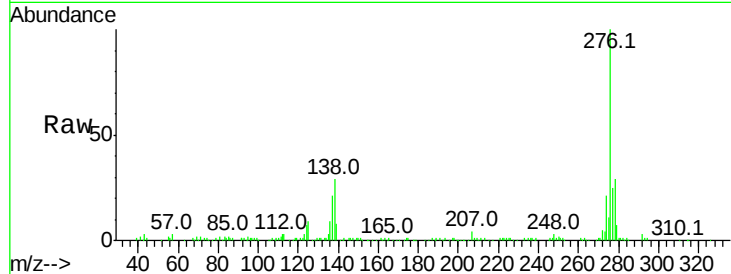
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.816 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.01 min
 Lab File: BF099409.D
 Acq: 12 Oct 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :
 5N-(2-3)

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.7	25.0	37.6
277	23.6	20.1	30.1

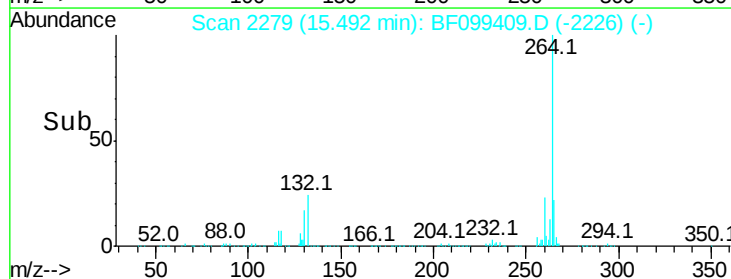
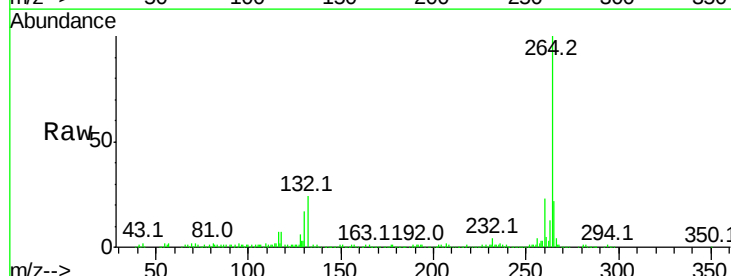
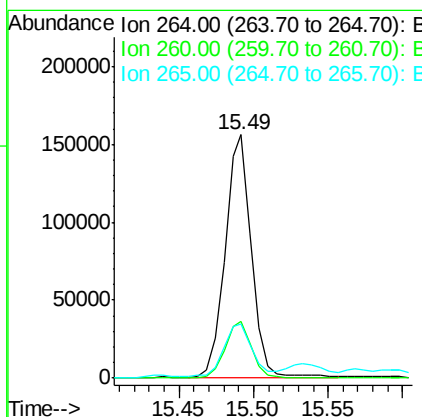
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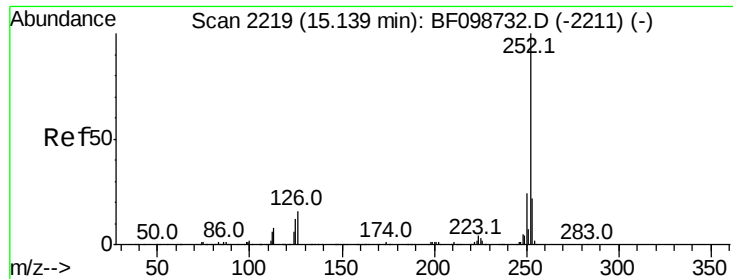
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.01 min
 Lab File: BF099409.D
 Acq: 12 Oct 2017 21:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.2	17.5	26.3





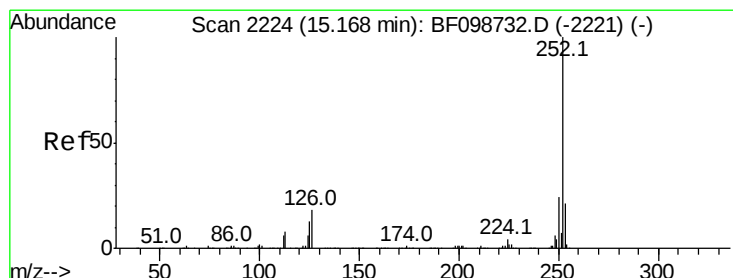
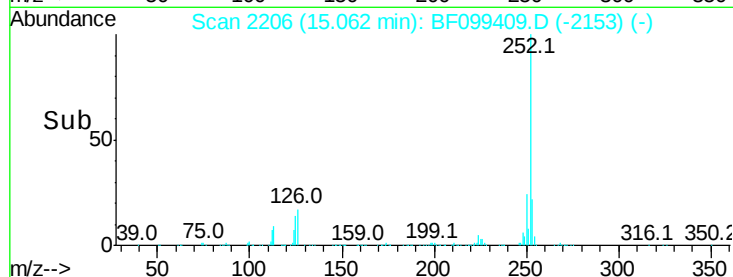
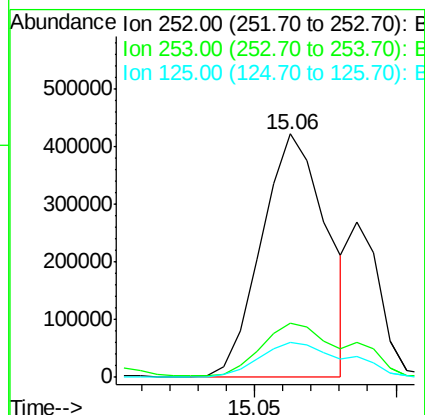
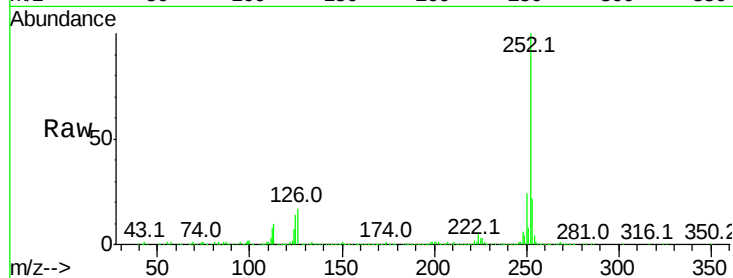
#87
Benzo(b)fluoranthene
Concen: 56.867 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

Instrument :
BNA_F
ClientSampleId :
5N-(2-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	14.2	9.0	13.6

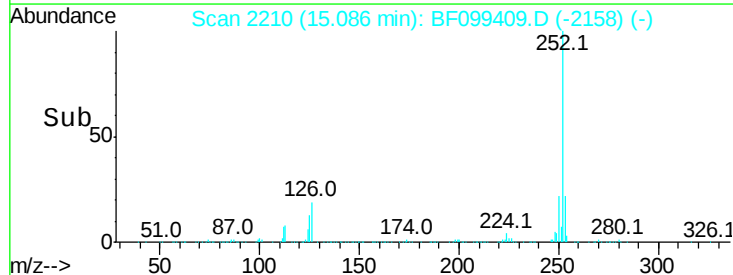
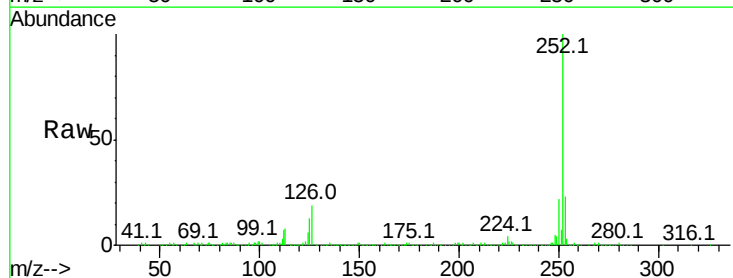
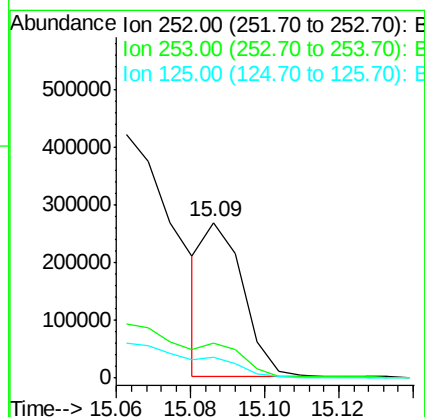
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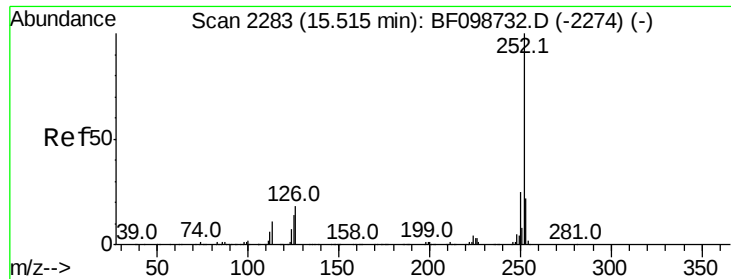
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#88
Benzo(k)fluoranthene
Concen: 16.631 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	13.5	10.2	15.2





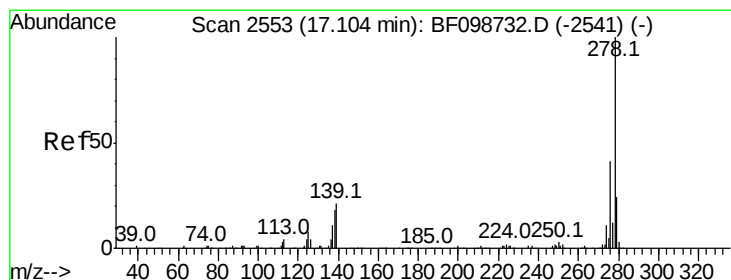
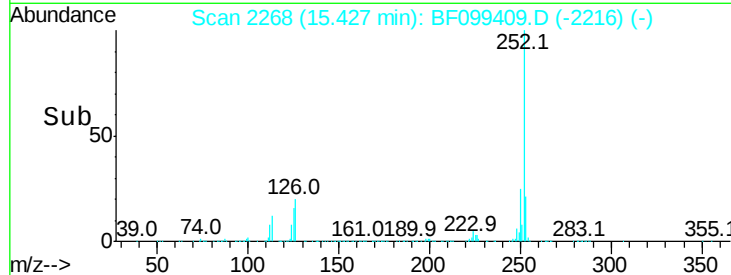
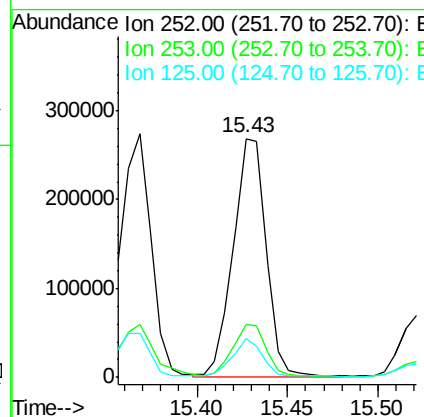
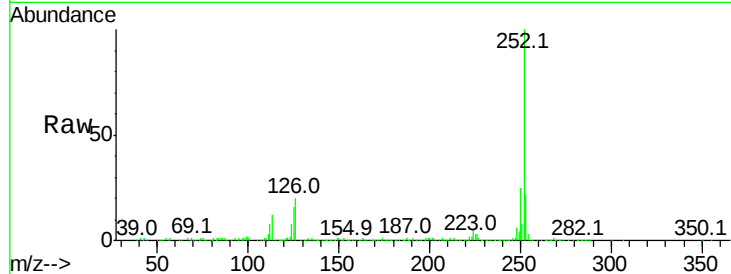
#89
Benzo(a)pyrene
Concen: 31.081 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

Instrument :
BNA_F
ClientSampled :
5N-(2-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	16.2	9.8	14.6

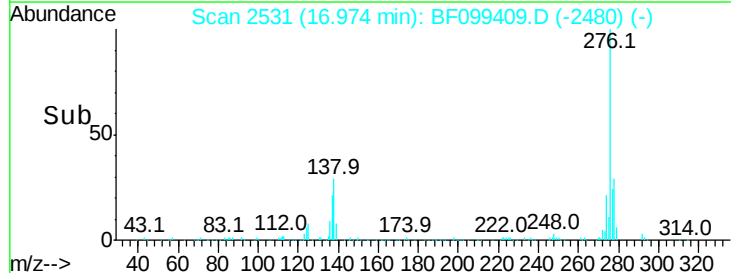
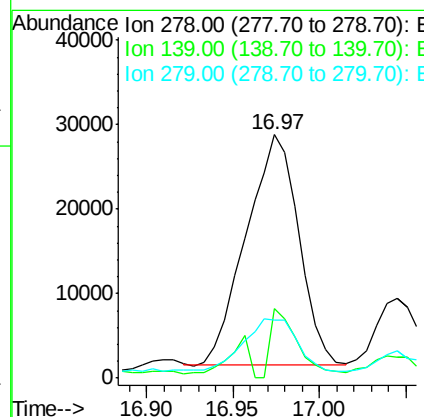
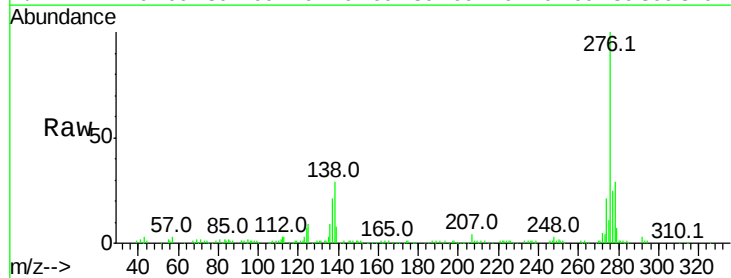
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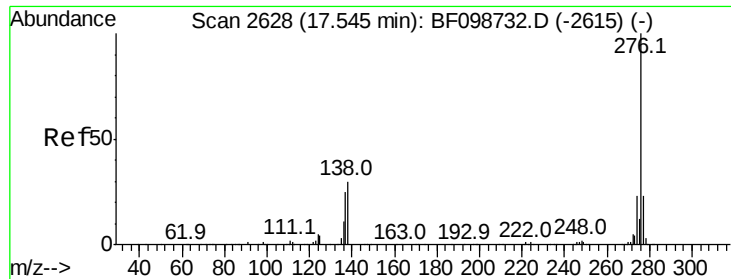
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 6.676 ng m
RT: 16.97 min Scan# 2531
Delta R.T. -0.00 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.7	15.9	23.9
279	23.9	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 18.630 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.01 min
 Lab File: BF099409.D
 Acq: 12 Oct 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :
 5N-(2-3)

Tot Ion:	276	Resp:	160369
Ion Ratio	Lower	Upper	
276	100		
277	23.2	17.9	26.9
138	29.2	21.8	32.8

Manual Integrations
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