

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099401.D
 Acq On : 12 Oct 2017 18:13
 Operator : SJ/JU
 Sample : I5729-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2S-(1-2)

Manual Integrations
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Sohil
 10/13/2017 3:05:40 PM

Quant Time: Oct 13 02:00:28 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	109571	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	437017	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	178988	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	261278	20.00	ng	0.00
75) Chrysene-d12	14.02	240	211304	20.00	ng	0.00
86) Perylene-d12	15.49	264	174670	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	699937	101.69	ng	0.01
7) Phenol-d6	6.49	99	827083	97.41	ng	0.00
23) Nitrobenzene-d5	7.42	82	492289	72.24	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	136306	93.07	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	891824	83.18	ng	0.00
78) Terphenyl-d14	12.96	244	579784	62.40	ng	0.00
Target Compounds						
10) Phenol	6.50	94	23281	2.452	ng	85
31) Naphthalene	8.15	128	71857	3.501	ng	99
37) 2-Methylnaphthalene	8.85	142	70298	5.269	ng	97
49) Dimethylphthalate	9.60	163	129185	9.563	ng	100
54) Dibenzofuran	10.09	168	30353	2.035	ng	# 95
70) Phenanthrene	11.40	178	146238	10.456	ng	98
74) Fluoranthene	12.59	202	91275	6.445	ng	99
77) Pyrene	12.82	202	74267	4.609	ng	97
80) Benzo(a)anthracene	14.00	228	34061	2.662	ng	# 94
82) Chrysene	14.04	228	52322m	4.295	ng	
85) Indeno(1,2,3-cd)pyrene	16.97	276	33661	3.454	ng	98
87) Benzo(b)fluoranthene	15.06	252	110857m	10.322	ng	
88) Benzo(k)fluoranthene	15.08	252	34996m	3.299	ng	
89) Benzo(a)pyrene	15.43	252	20672	2.097	ng	# 85
91) Benzo(a,h,i)perylene	17.42	276	32838	4.211	ng	# 89

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

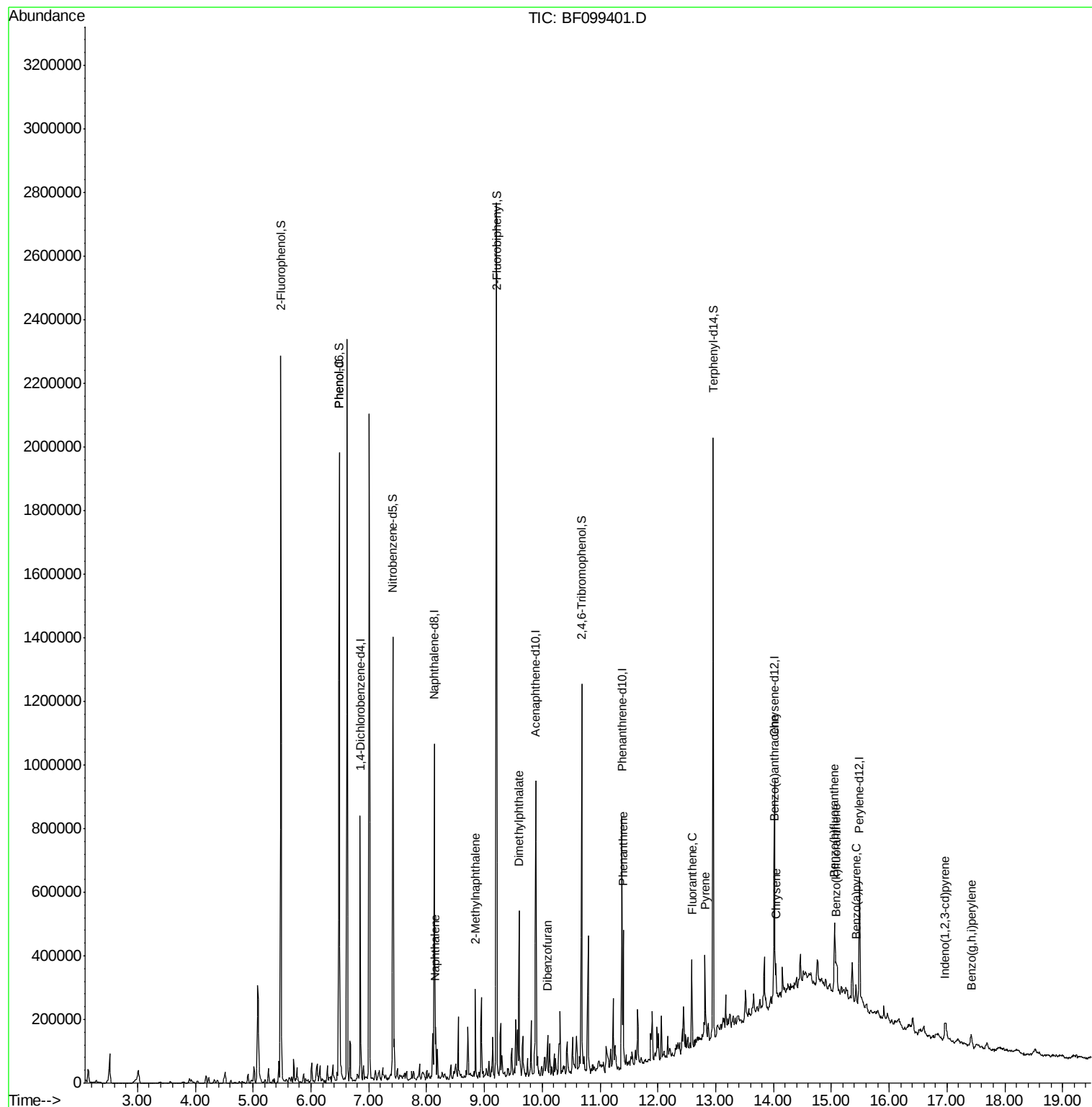
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
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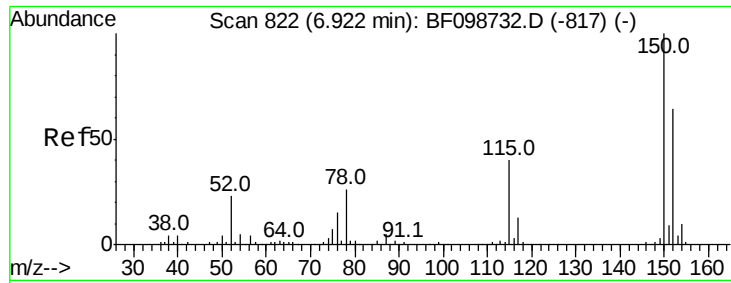
Instrument :
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#1

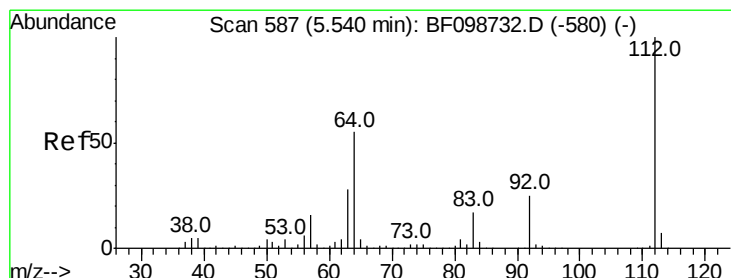
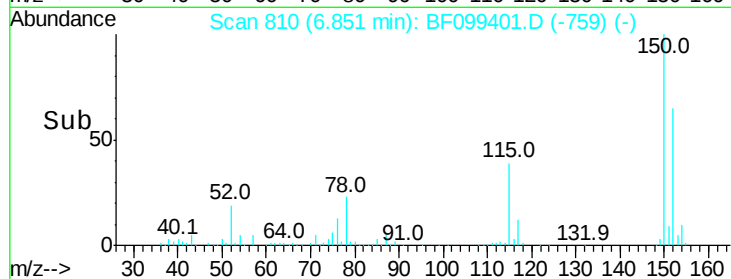
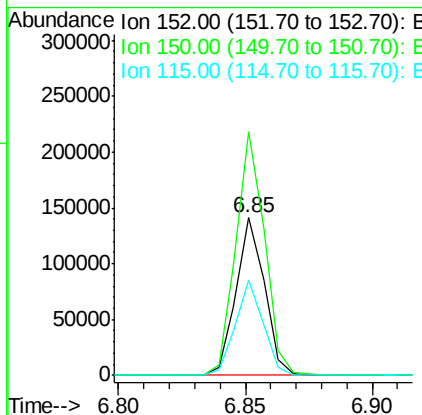
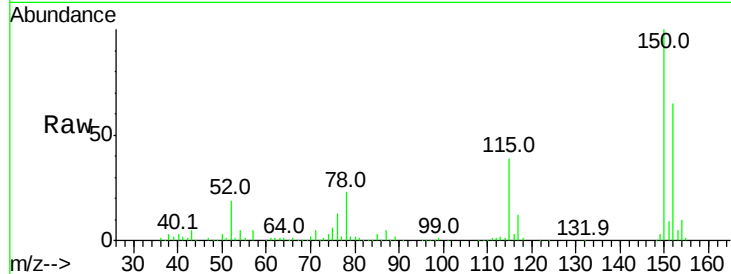
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Instrument :
BNA_F
ClientSampled :
2S-(1-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	60.2	50.1	75.1

Manual Integrations
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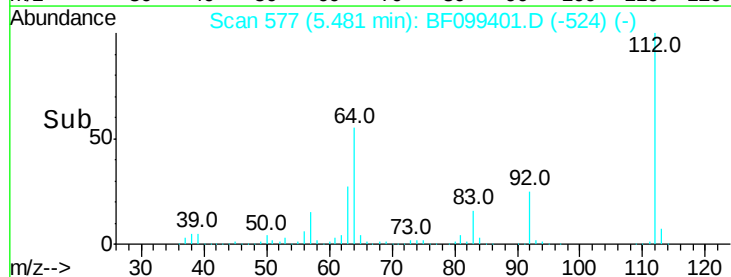
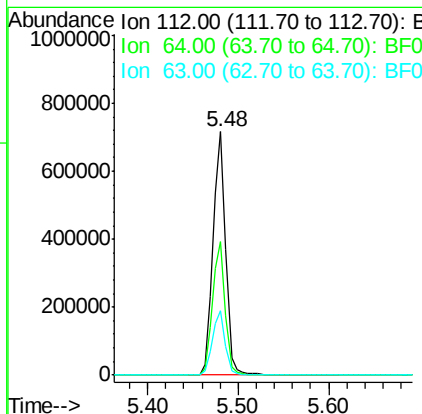
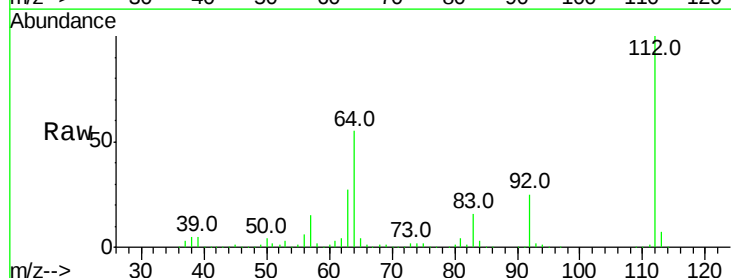
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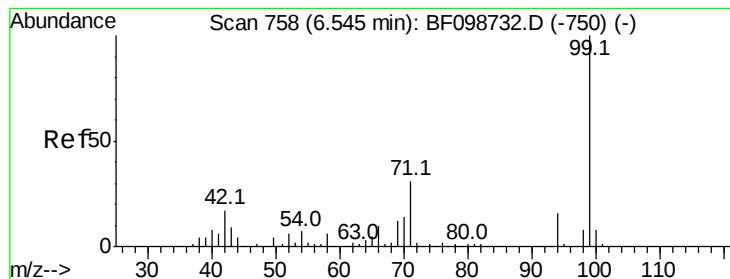


#5

2-Fluorophenol
Concen: 101.690 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	47.9	71.9
63	26.7	23.7	35.5





#7

Phenol-d6

Concen: 97.407 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Instrument :

BNA_F

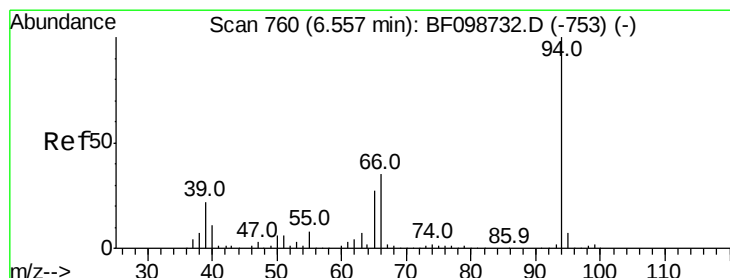
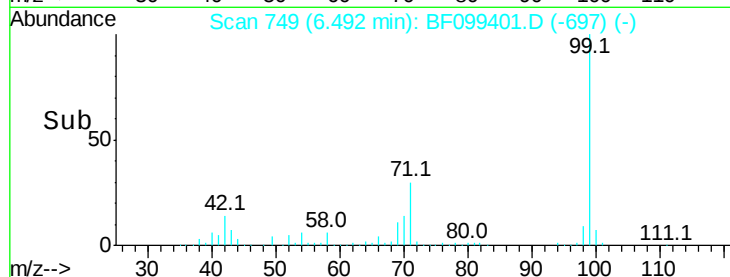
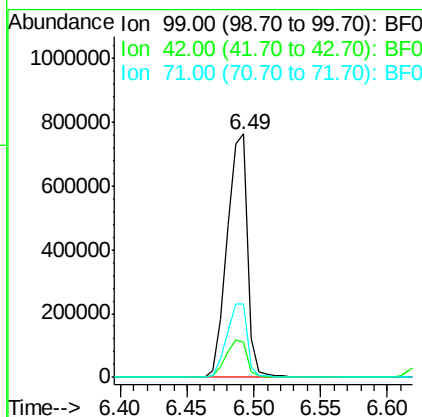
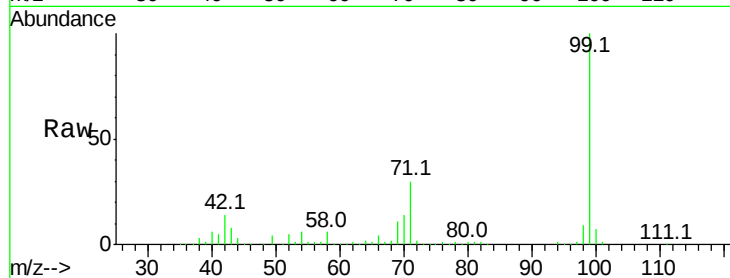
ClientSampleId :

2S-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
99	100	827083		
42	14.4		14.5	21.7#
71	29.9		25.4	38.0

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#10

Phenol

Concen: 2.452 ng

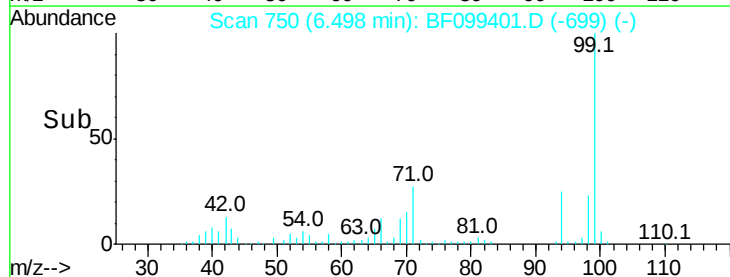
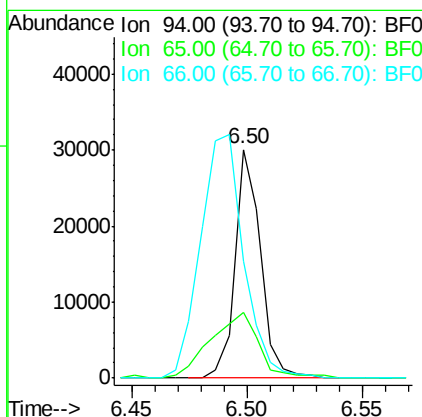
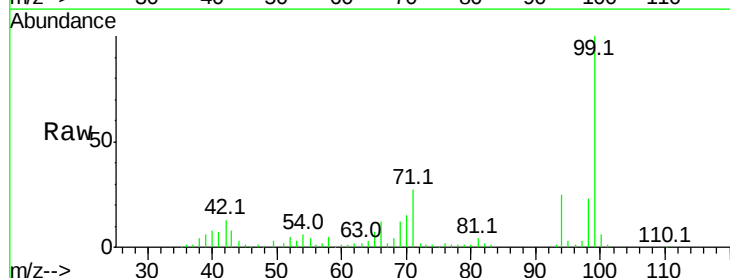
RT: 6.50 min Scan# 750

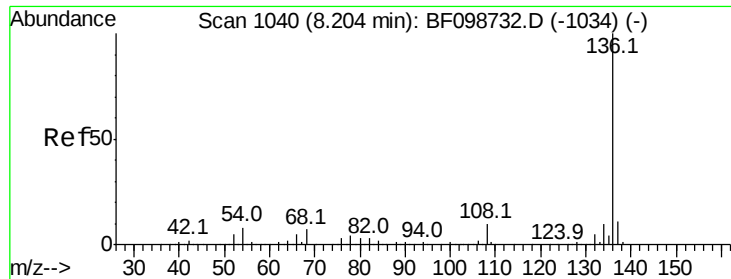
Delta R.T. -0.00 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	23281		
65	28.7		7.9	47.9
66	50.9		16.2	56.2





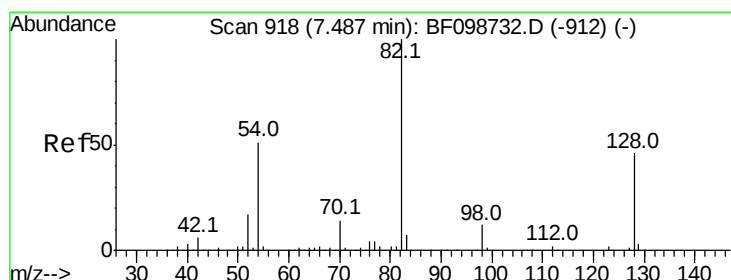
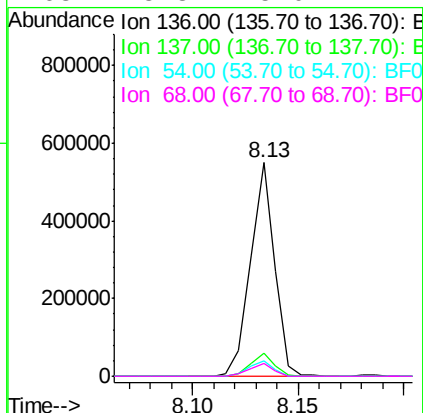
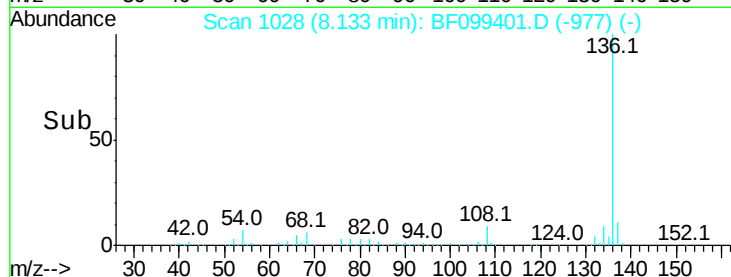
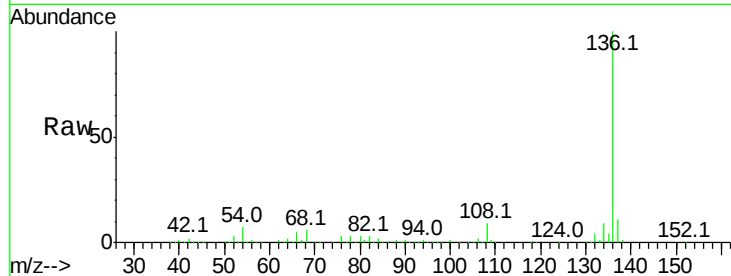
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Instrument :
BNA_F
ClientSampleId :
2S-(1-2)

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

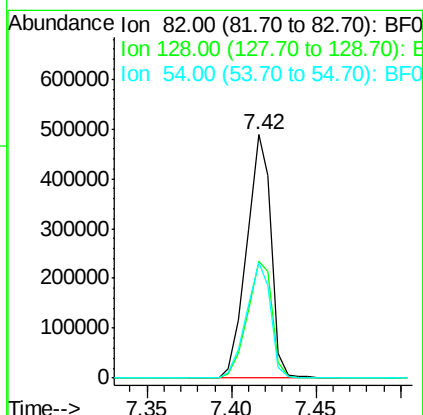
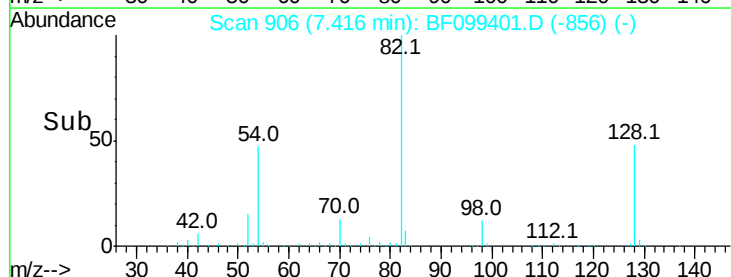
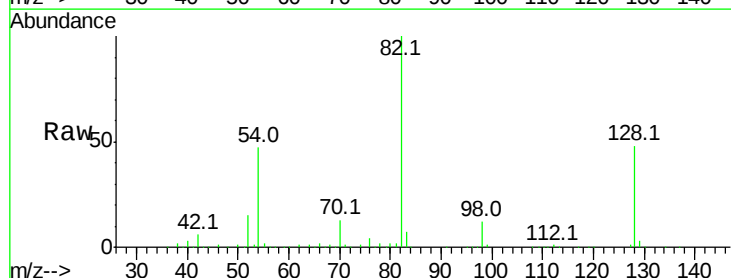
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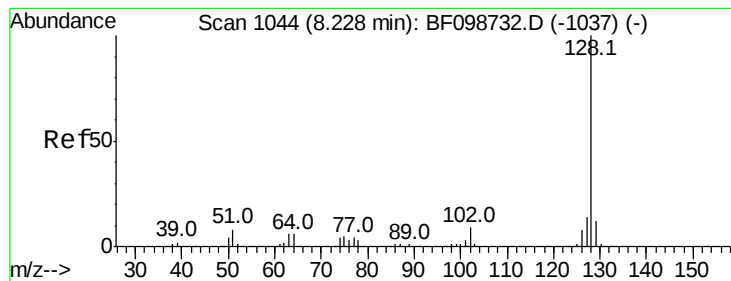
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#23
Nitrobenzene-d5
Concen: 72.241 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.9	36.1	54.1	
54	47.3	41.4	62.2	





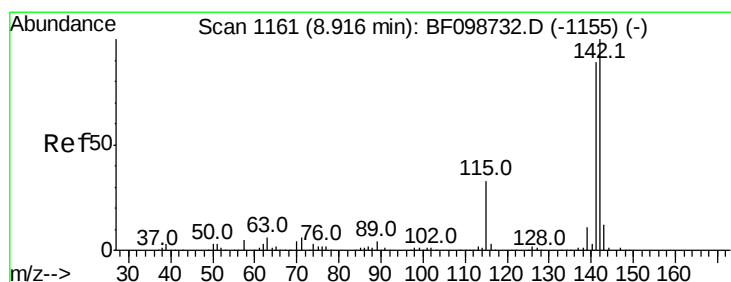
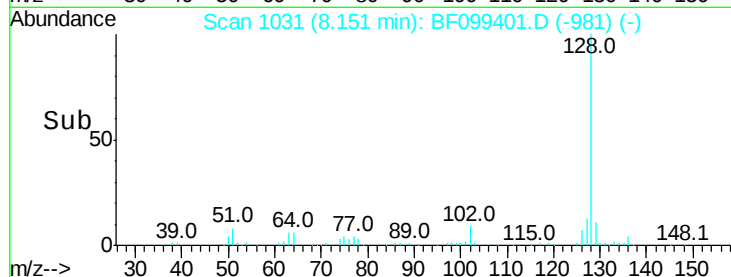
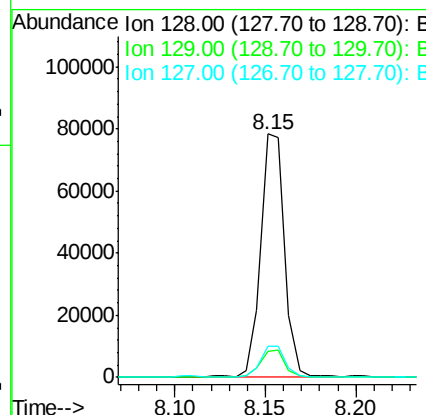
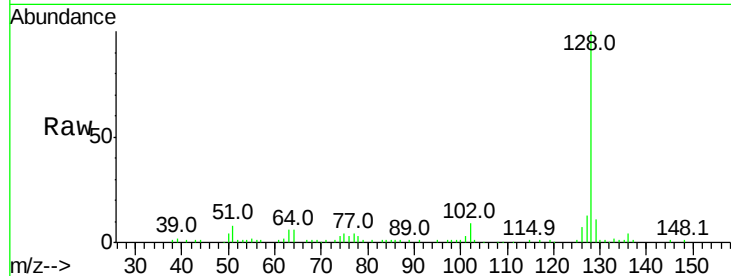
#31
Naphthalene
Concen: 3.501 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Instrument :
BNA_F
ClientSampled :
2S-(1-2)

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.1	10.9	16.3

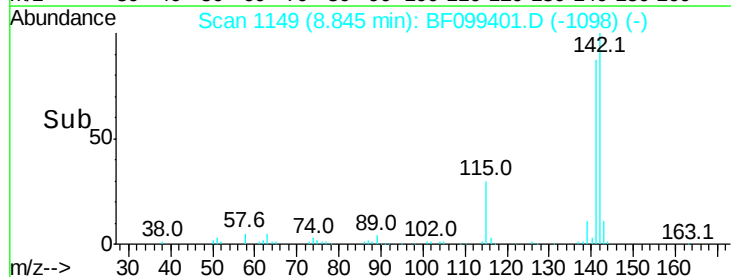
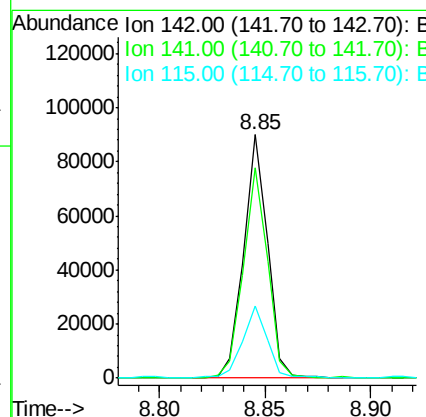
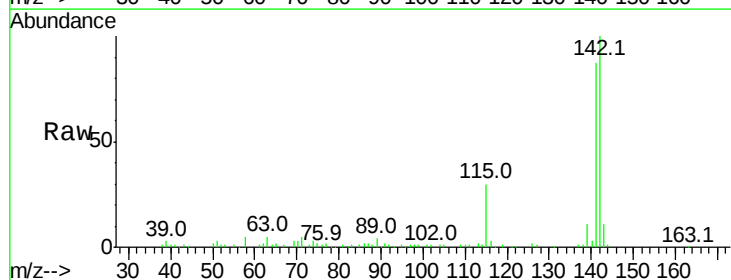
Manual Integrations
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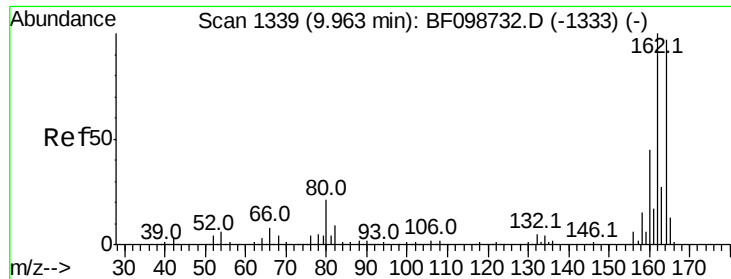
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#37
2-Methylnaphthalene
Concen: 5.269 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.6	70.8	106.2
115	29.6	26.1	39.1





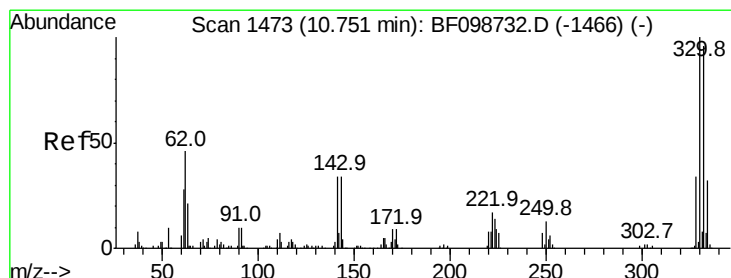
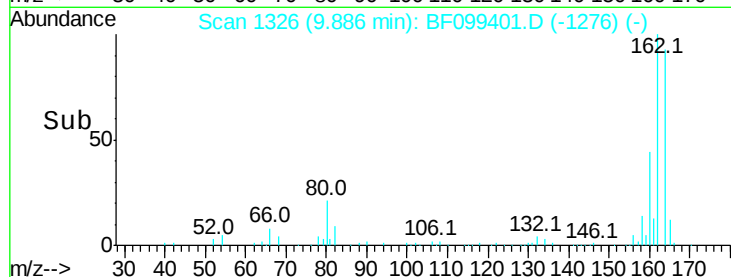
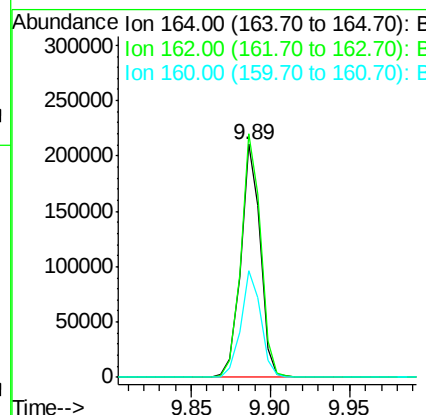
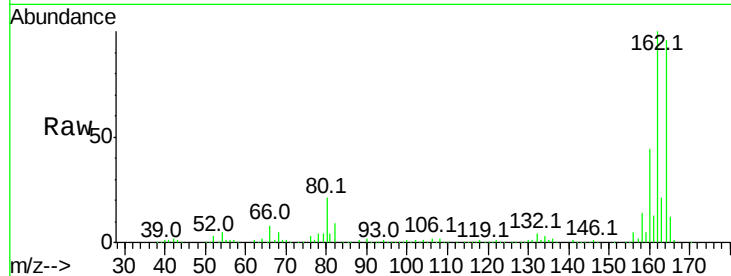
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Instrument :
BNA_F
ClientSampleId :
2S-(1-2)

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	45.6	38.3	57.5

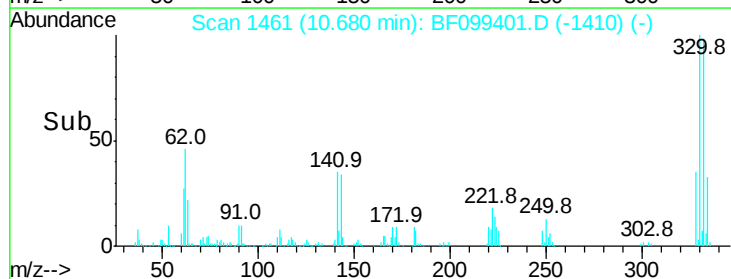
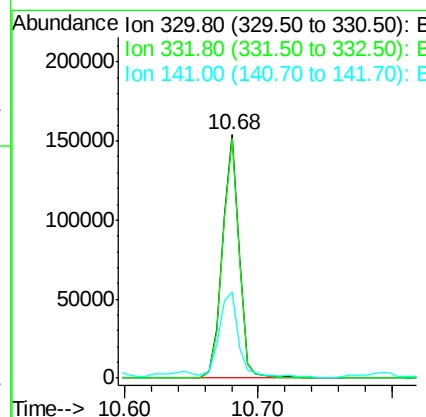
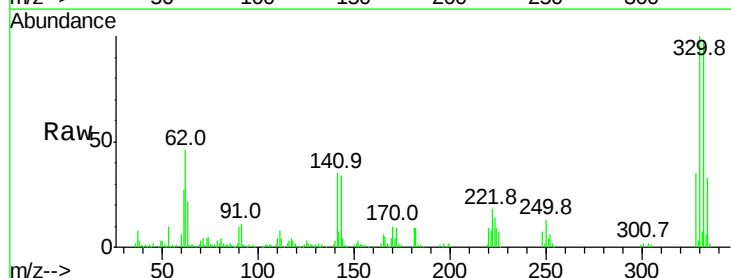
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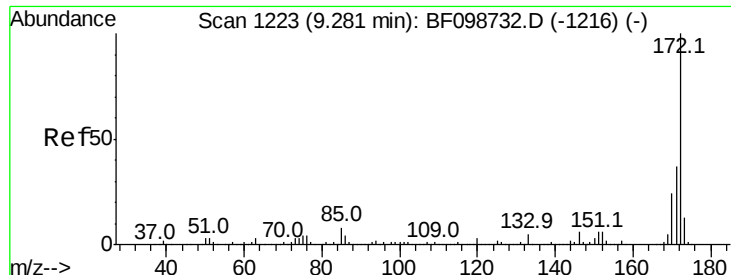
Sohil
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#41
2,4,6-Tribromophenol
Concen: 93.067 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.00 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	41.9	29.9	44.9





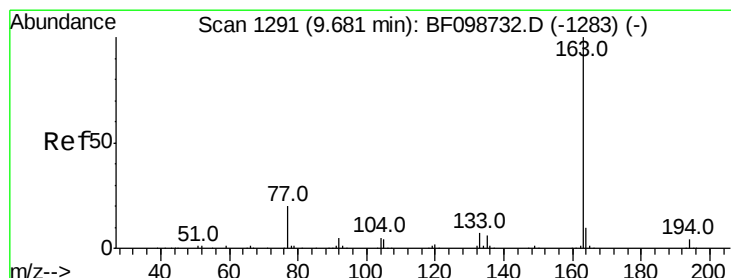
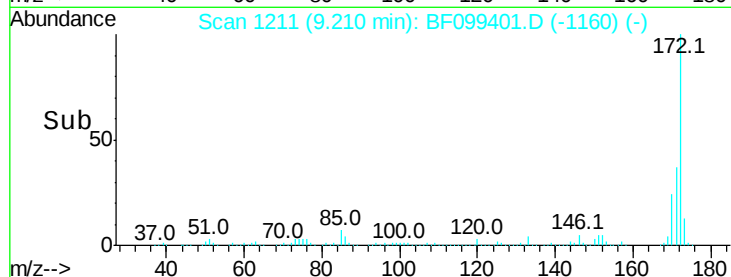
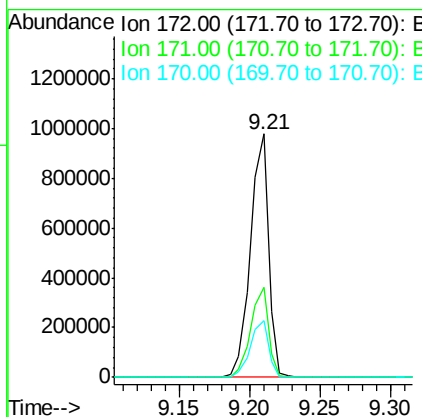
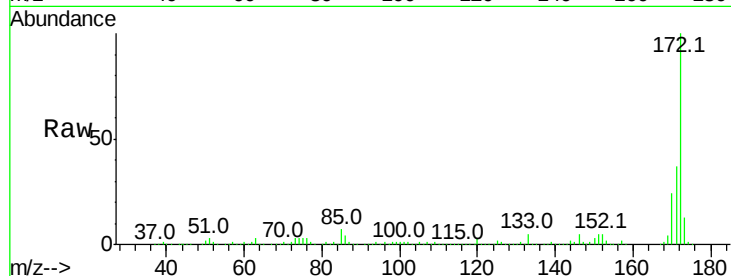
#44
2-Fluorobiphenyl
Concen: 83.180 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Instrument :
BNA_F
ClientSampled :
2S-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	891824		
171	37.0		29.7	44.5
170	23.6		19.6	29.4

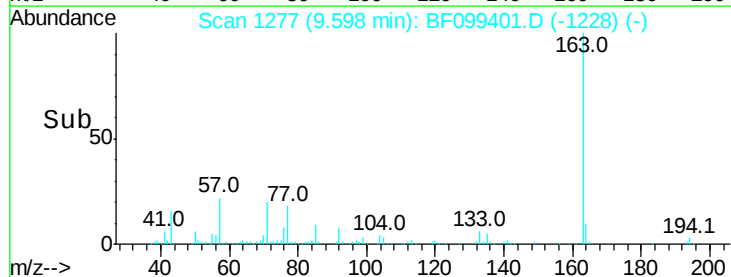
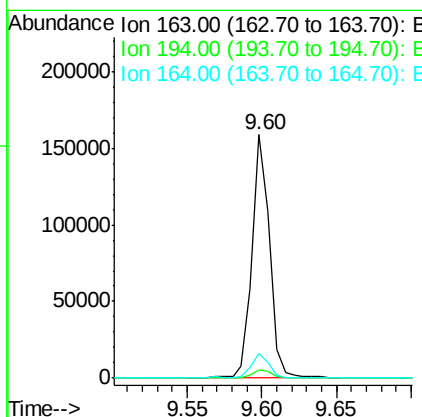
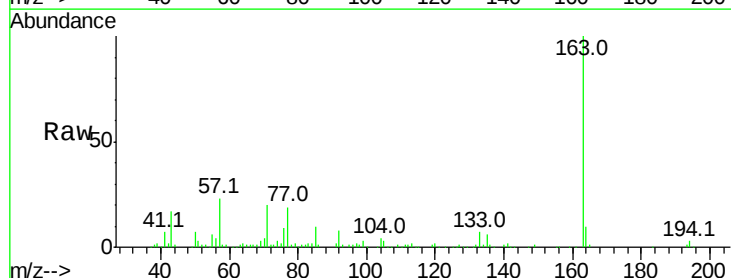
Manual Integrations
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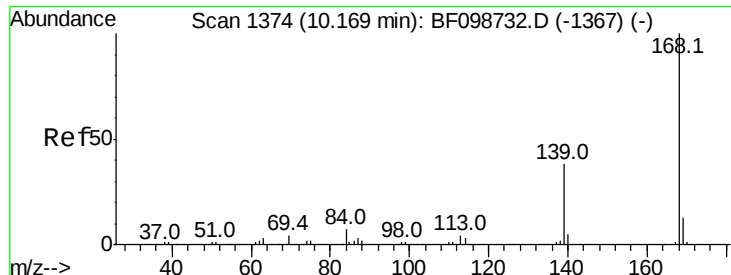
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#49
Dimethylphthalate
Concen: 9.563 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	129185		
194	3.3		2.7	4.1
164	10.3		8.2	12.2





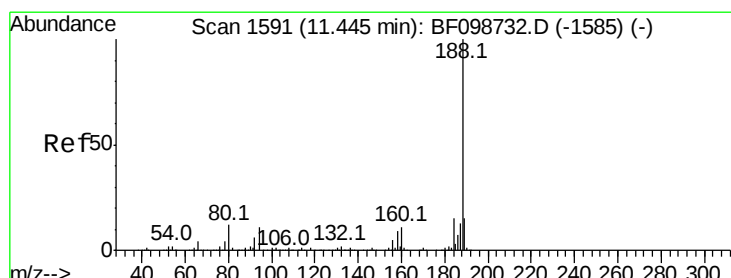
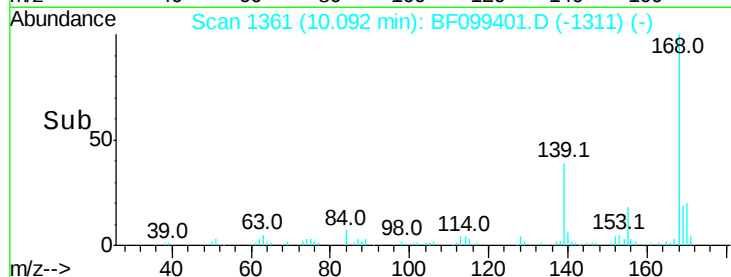
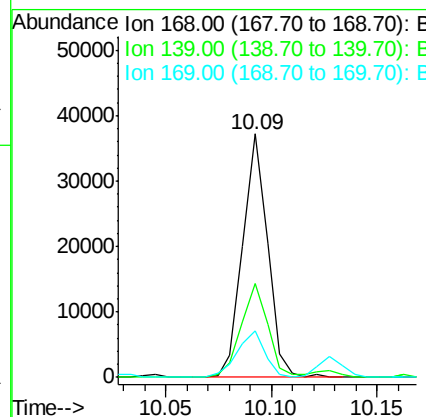
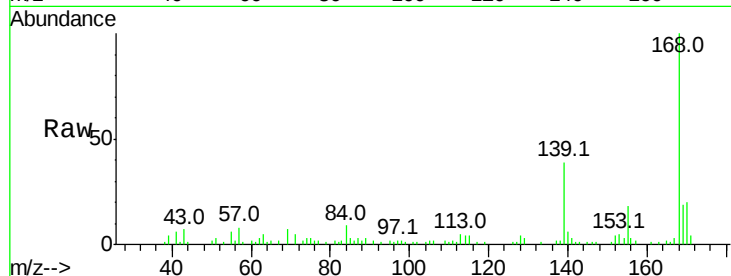
#54
Dibenzofuran
Concen: 2.035 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Instrument :
BNA_F
ClientSampled :
2S-(1-2)

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.1	45.1
169	19.3	10.9	16.3

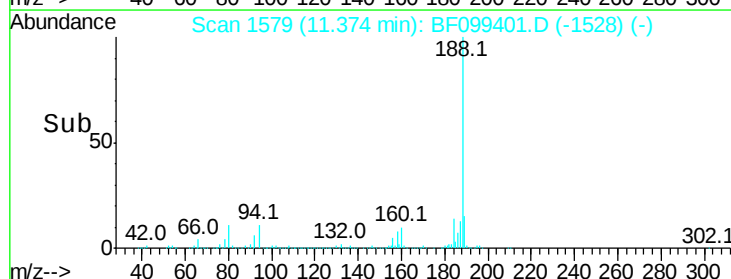
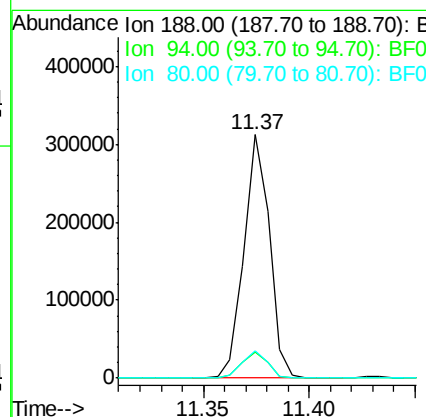
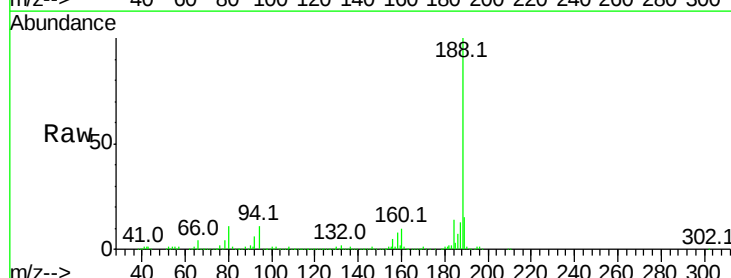
Manual Integrations
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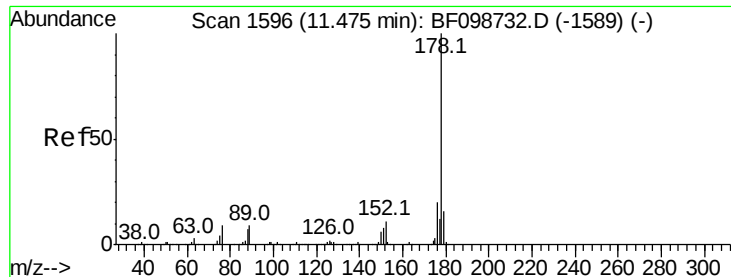
Sohil
10/13/2017 3:05:40 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.4	9.2	13.8





#70

Phenanthrene

Concen: 10.456 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Instrument :

BNA_F

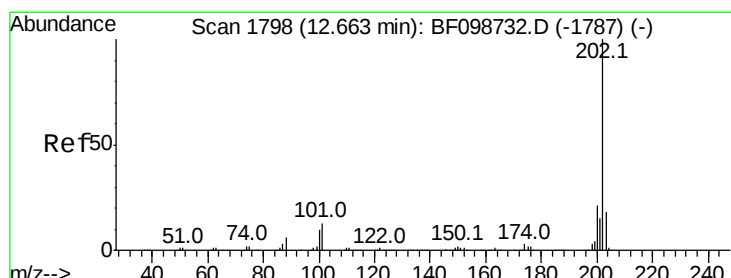
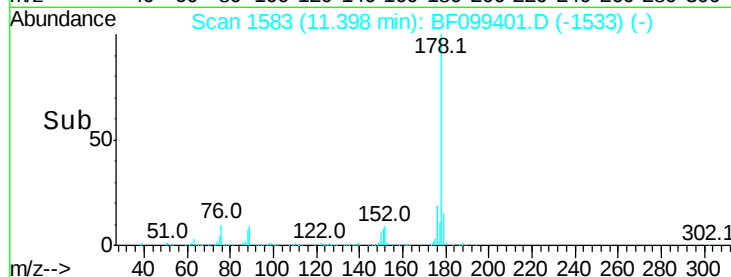
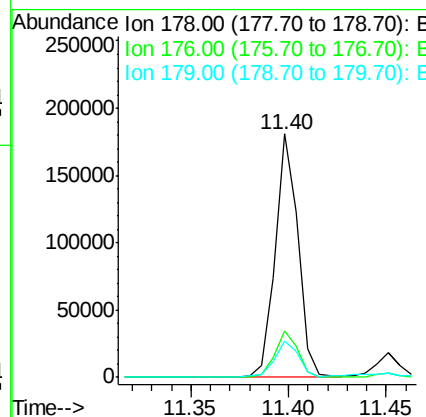
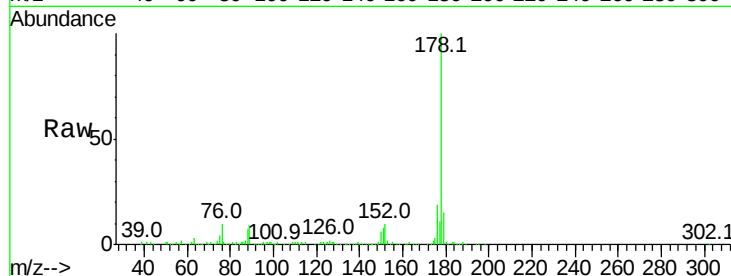
ClientSampled :

2S-(1-2)

Tot Ion:	178	Resp:	146238
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.8	23.8
179	15.0	13.0	19.6

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#74

Fluoranthene

Concen: 6.445 ng

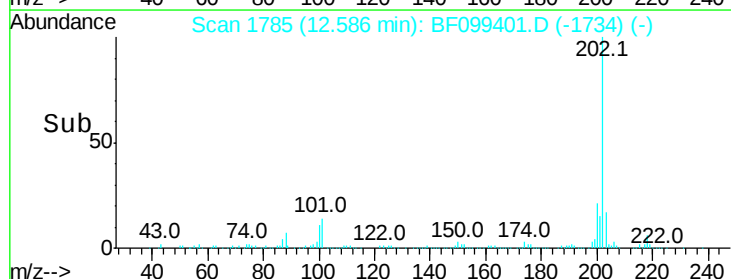
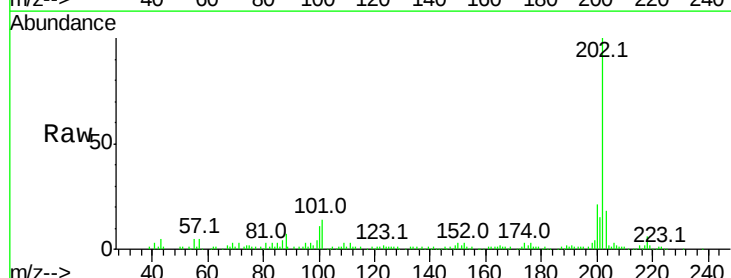
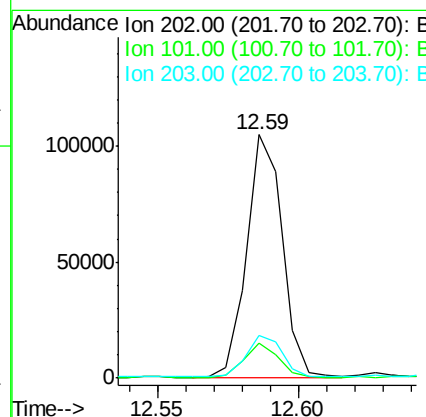
RT: 12.59 min Scan# 1785

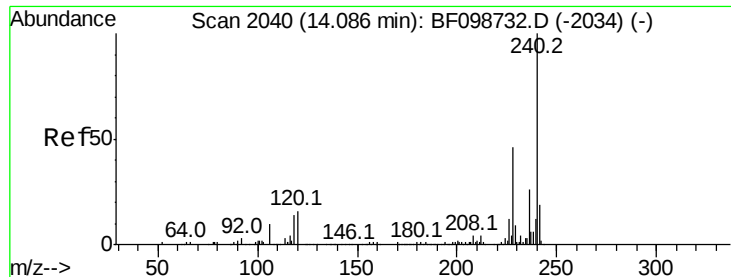
Delta R.T. -0.00 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Tgt Ion:	202	Resp:	91275
Ion Ratio	Lower	Upper	
202	100		
101	14.2	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Instrument :

BNA_F

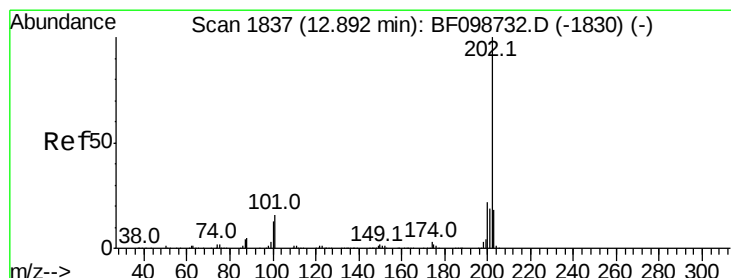
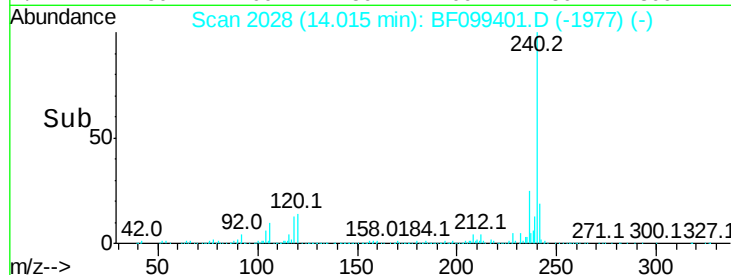
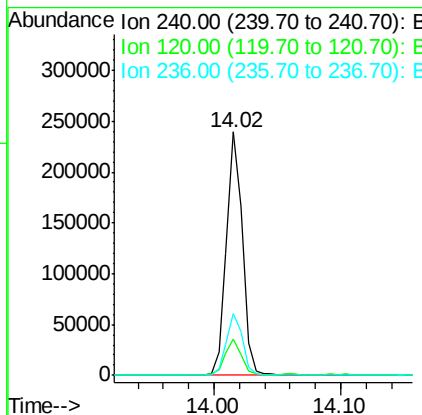
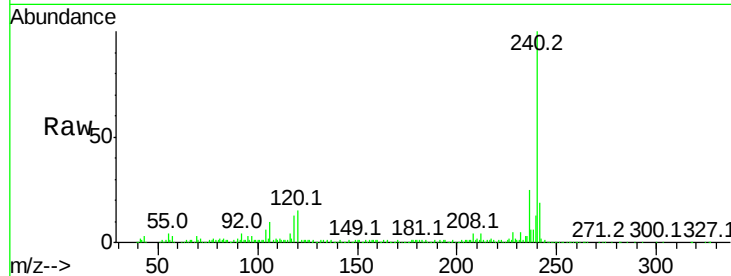
ClientSampleId :

2S-(1-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.7	9.5	14.3#
236	25.4	20.7	31.1

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#77

Pyrene

Concen: 4.609 ng

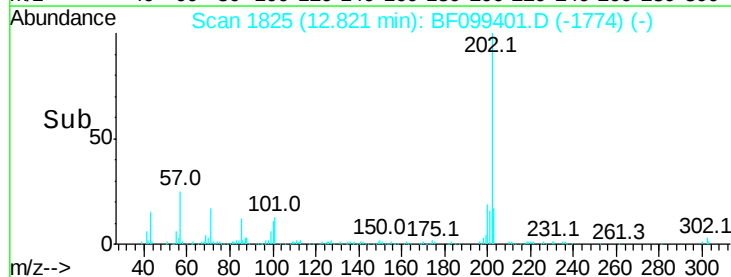
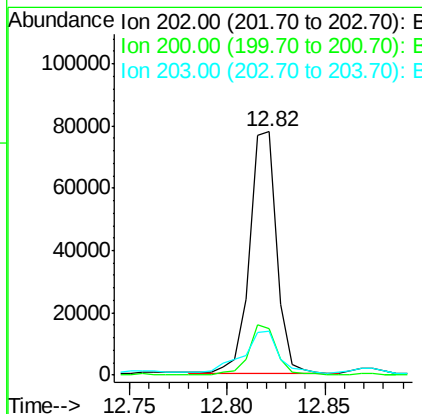
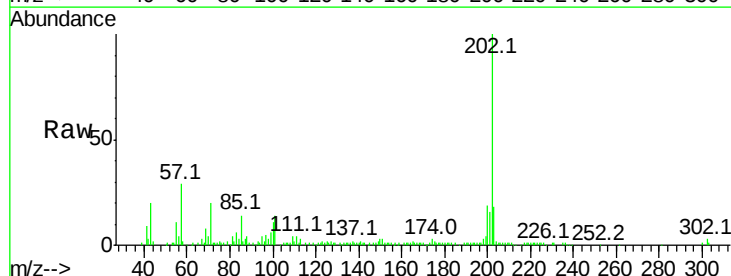
RT: 12.82 min Scan# 1825

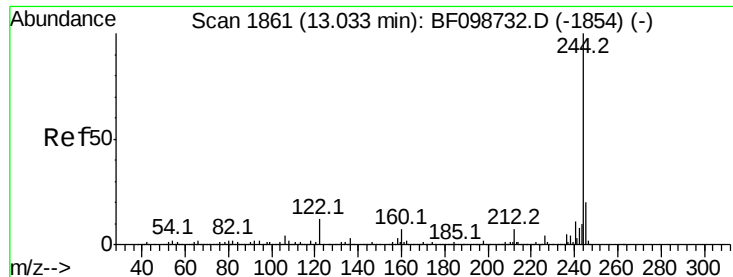
Delta R.T. -0.00 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.4	17.4	26.2
203	18.1	14.3	21.5





#78

Terphenyl-d14

Concen: 62.400 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Instrument :

BNA_F

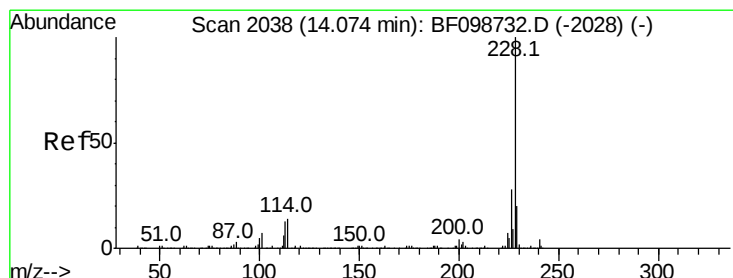
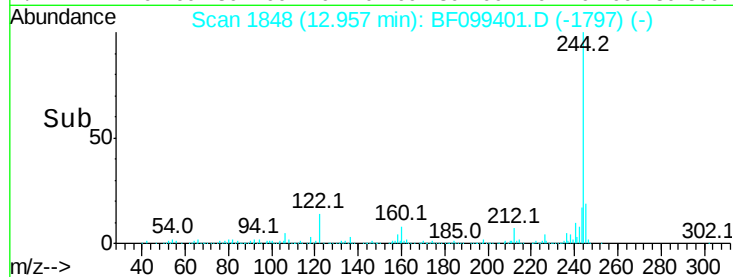
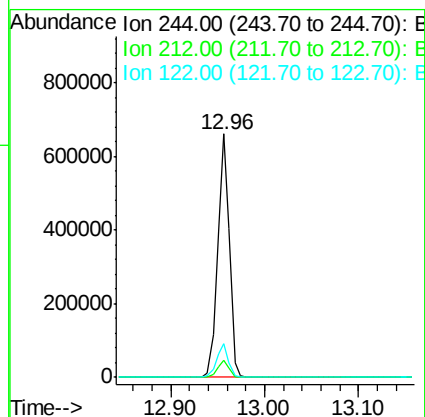
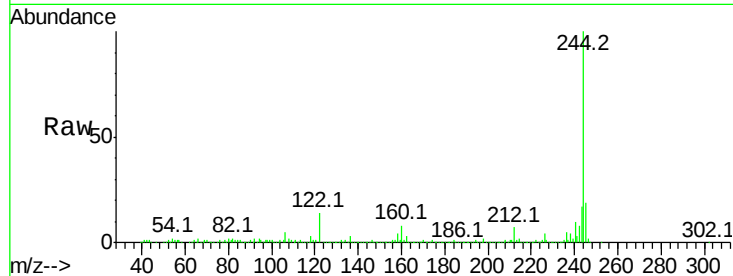
ClientSampleId :

2S-(1-2)

Tot Ion:	244	Resp:	579784
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	14.1	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 2.662 ng

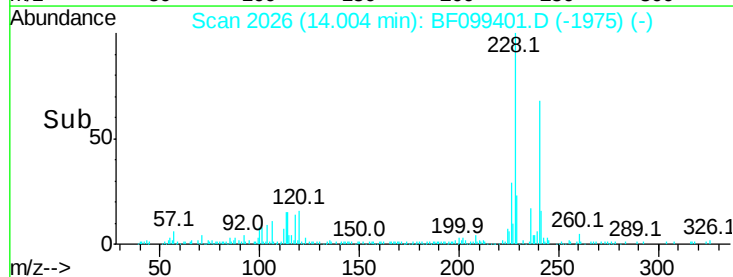
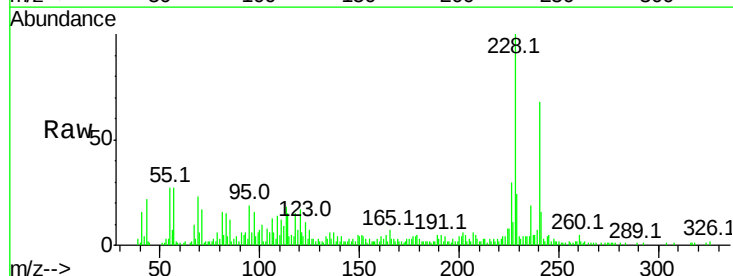
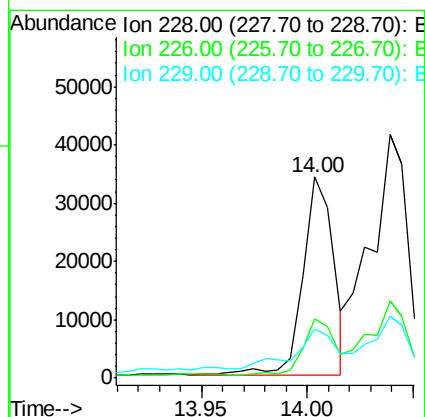
RT: 14.00 min Scan# 2026

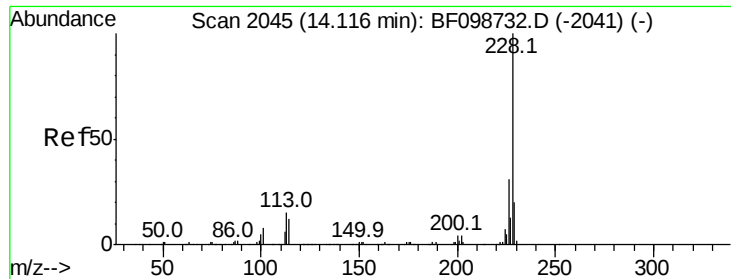
Delta R.T. -0.00 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Tgt Ion:	228	Resp:	34061
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.6	33.8
229	24.4	15.8	23.6#





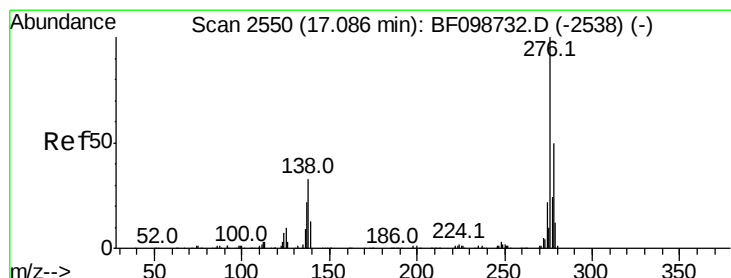
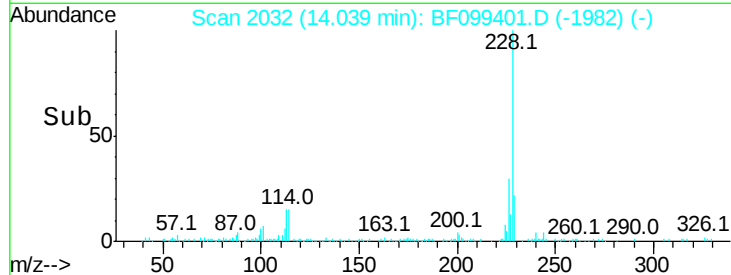
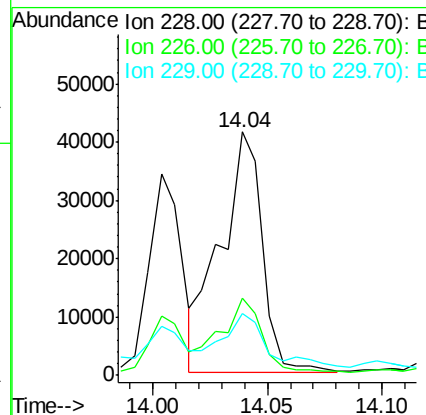
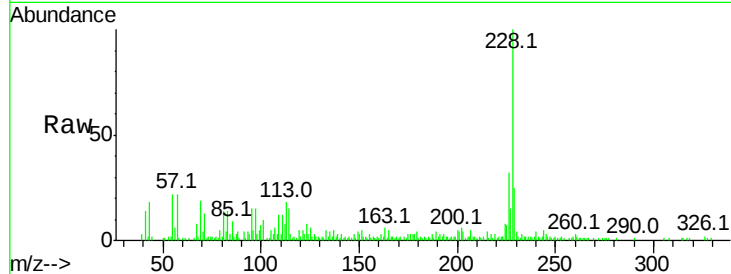
#82
 Chrysene
 Concen: 4.295 ng/ml
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF099401.D
 Acq: 12 Oct 2017 18:13

Instrument :
 BNA_F
 ClientSampled :
 2S-(1-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	25.2	16.2	24.4

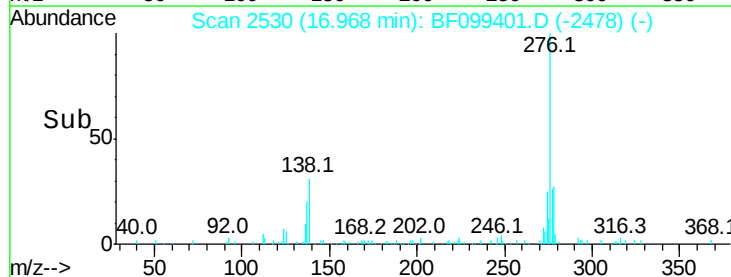
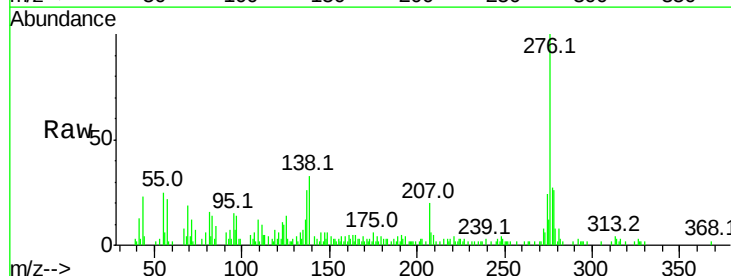
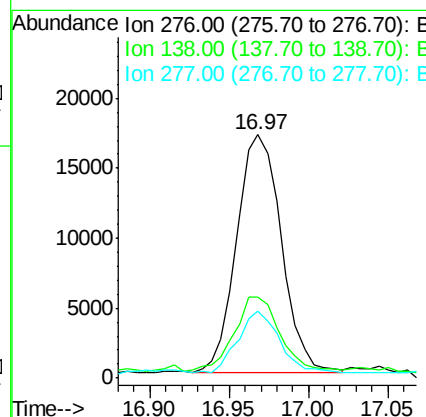
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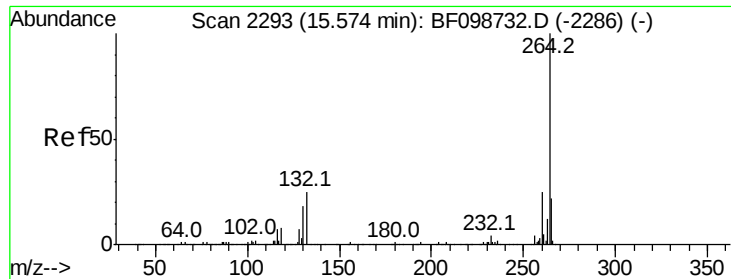
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.454 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. 0.01 min
 Lab File: BF099401.D
 Acq: 12 Oct 2017 18:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.4	25.0	37.6
277	23.9	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Instrument :

BNA_F

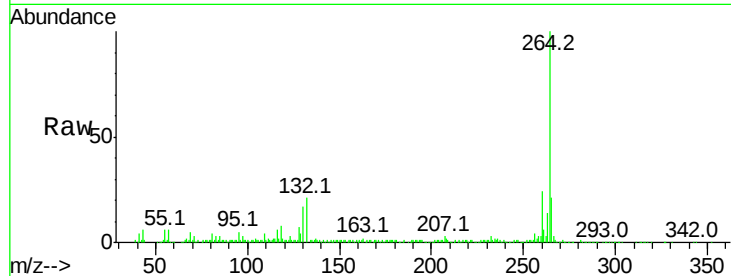
ClientSampled :

2S-(1-2)

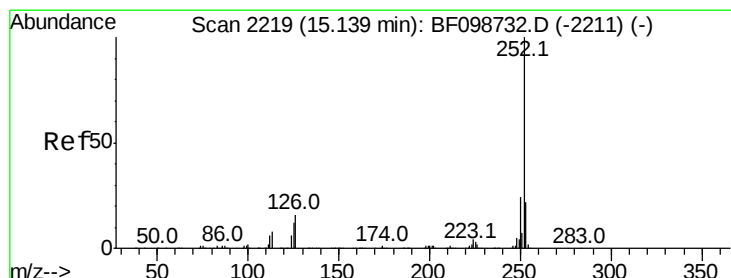
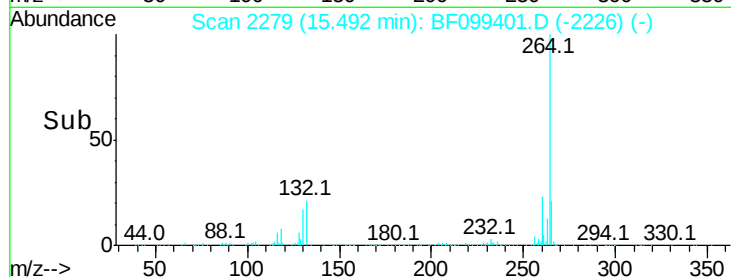
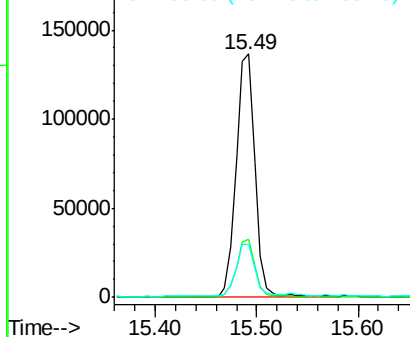
Tot Ion:	264	Resp:	174670
Ion Ratio		Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.5	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 10.322 ng m

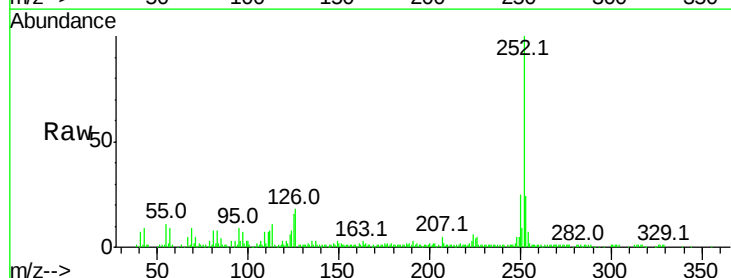
RT: 15.06 min Scan# 2205

Delta R.T. 0.01 min

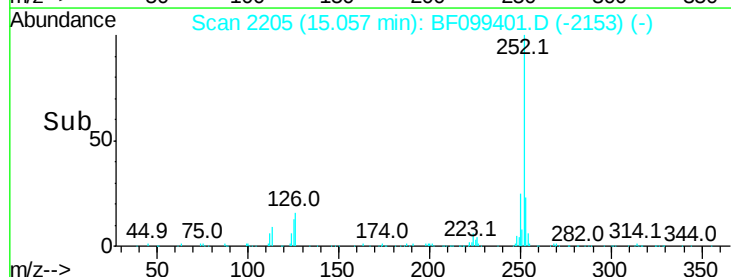
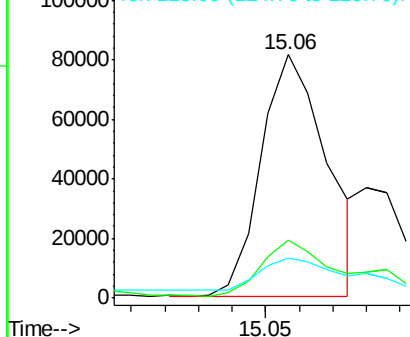
Lab File: BF099401.D

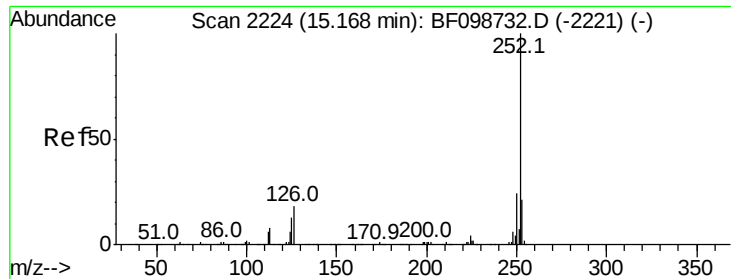
Acq: 12 Oct 2017 18:13

Tgt Ion:	252	Resp:	110857
Ion Ratio		Lower	Upper
252	100		
253	23.7	17.0	25.6
125	16.2	9.0	13.6#



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





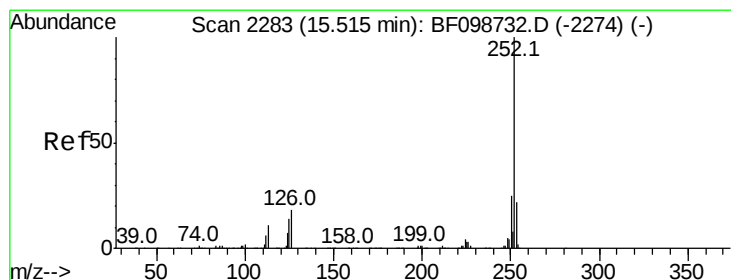
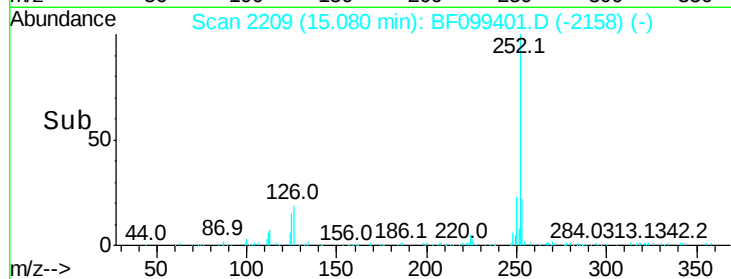
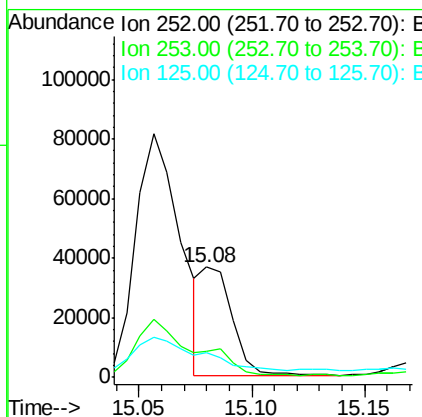
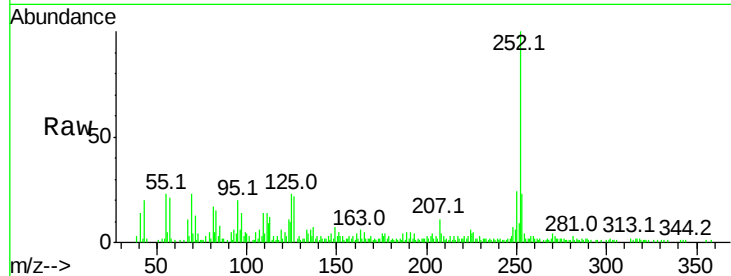
#88
Benzo(k)fluoranthene
Concen: 3.299 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Instrument :
BNA_F
ClientSampled :
2S-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.4	17.9	26.9	
125	22.7	10.2	15.2	

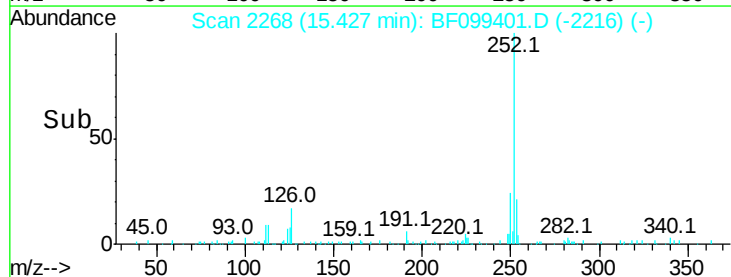
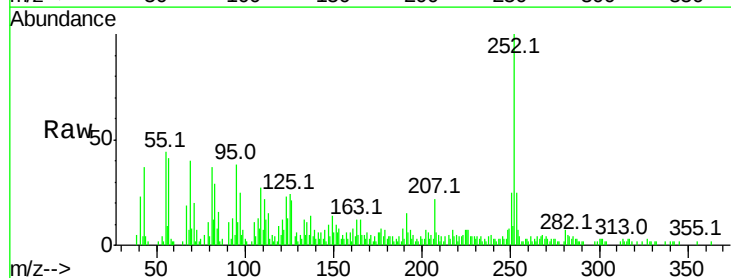
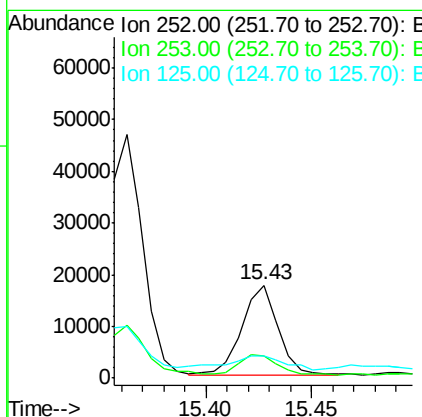
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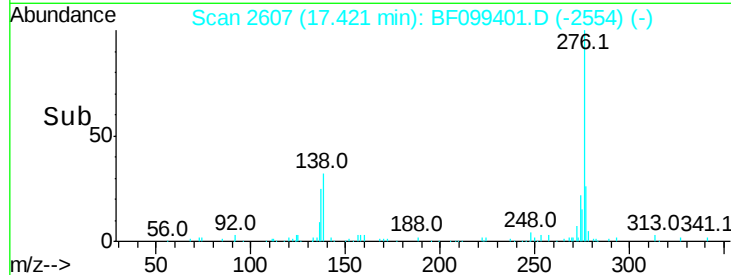
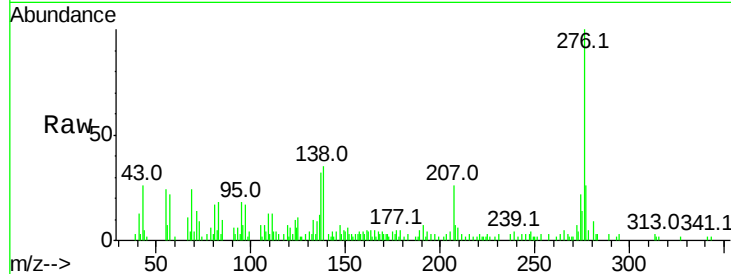
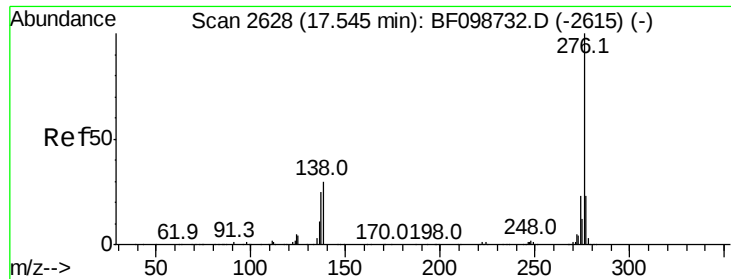
Sohil
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#89
Benzo(a)pyrene
Concen: 2.097 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.5	17.1	25.7	
125	23.7	9.8	14.6	





#91
Benzo(a,h,i)perylene
Concen: 4.211 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Instrument :
BNA_F
ClientSampleId :
2S-(1-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	35.1	21.8	32.8

Manual Integrations
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