

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099633.D
 Acq On : 18 Oct 2017 22:38
 Operator : SJ/JU
 Sample : I5951-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 294-COMP

Manual Integrations
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Quant Time: Oct 19 00:47:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 22:24:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	97013	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	360292	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	127886	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	193410	20.00	ng	0.00
75) Chrysene-d12	14.00	240	184036	20.00	ng	0.00
86) Perylene-d12	15.46	264	179335	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	486550	79.84	ng	0.00
7) Phenol-d6	6.47	99	559911	74.48	ng	-0.01
23) Nitrobenzene-d5	7.39	82	323697	57.62	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	77242	73.81	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	582742	76.07	ng	0.00
78) Terphenyl-d14	12.93	244	420694	51.99	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.48	94	28997	3.449	ng	92
14) 1,2-Dichlorobenzene	7.00	146	20728	3.051	ng	95
30) 1,2,4-Trichlorobenzene	8.05	180	12074	2.429	ng	92
31) Naphthalene	8.13	128	43303	2.559	ng	97
48) Acenaphthylene	9.72	152	71426	5.654	ng	98
70) Phenanthrene	11.37	178	239808	23.164	ng	97
71) Anthracene	11.43	178	102977	9.721	ng	97
74) Fluoranthene	12.57	202	751297	71.666	ng	99
77) Pyrene	12.80	202	696467	49.629	ng	100
80) Benzo(a)anthracene	13.99	228	428246	38.429	ng	94
82) Chrysene	14.02	228	326443	30.769	ng	97
85) Indeno(1,2,3-cd)pyrene	16.94	276	162338	19.128	ng	97
87) Benzo(b)fluoranthene	15.04	252	481948m	43.709	ng	
88) Benzo(k)fluoranthene	15.06	252	121254m	11.134	ng	
89) Benzo(a)pyrene	15.40	252	336133	33.210	ng	97
90) Dibenzo(a,h)anthracene	16.94	278	44651m	5.512	ng	
91) Benzo(a,h,i)perylene	17.39	276	143303	17.898	ng	95

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

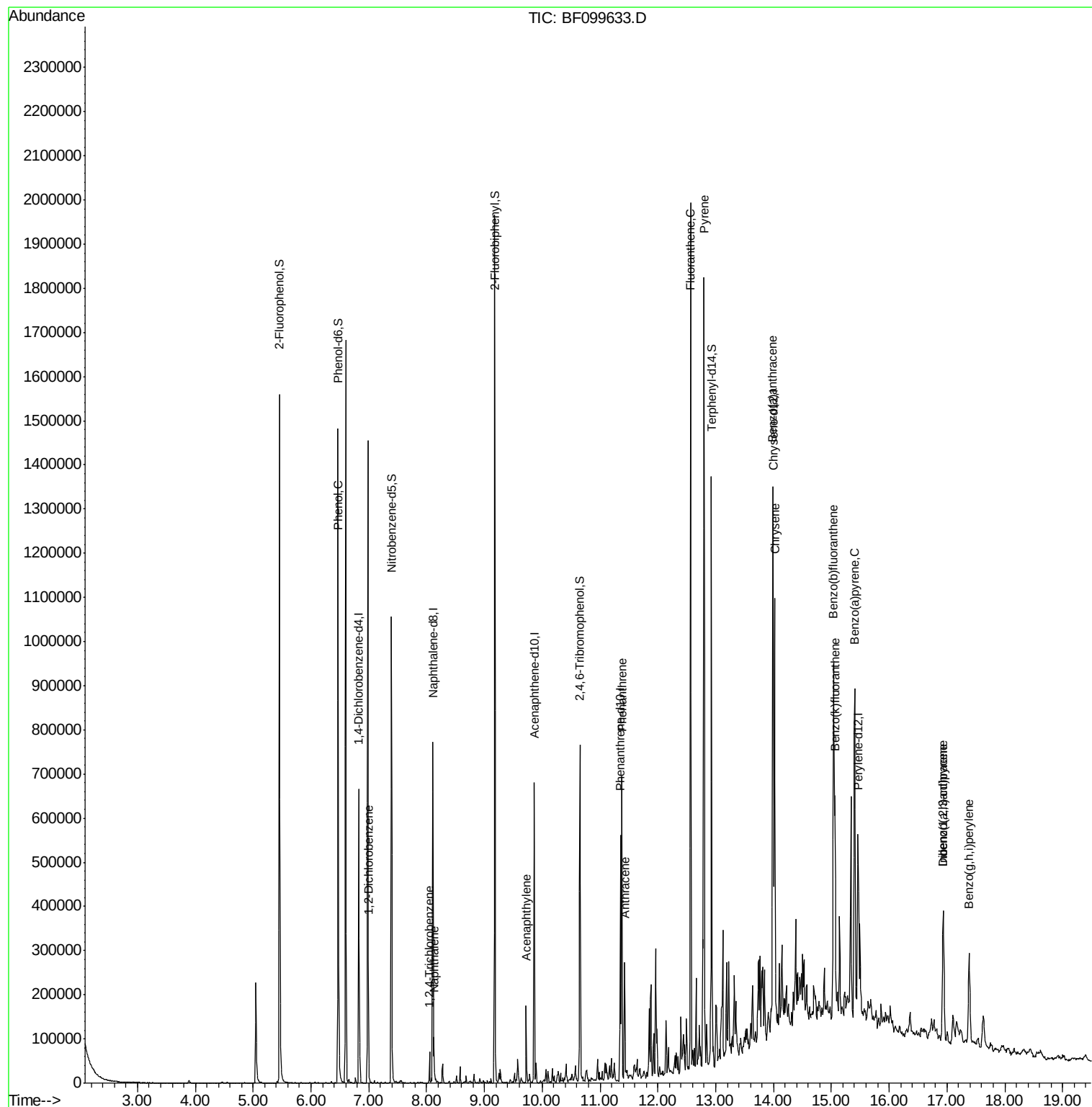
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
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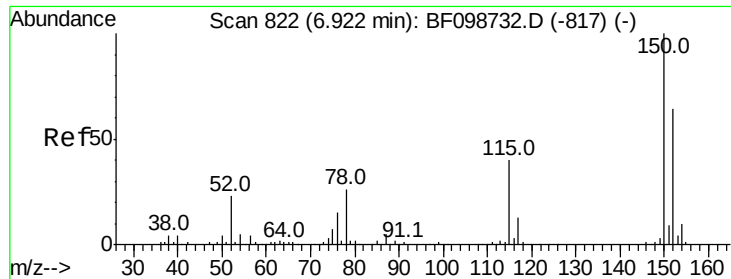
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

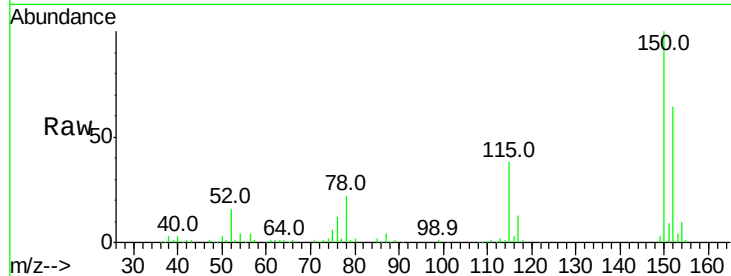
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099633.D
Acq: 18 Oct 2017 22:38

Instrument :
BNA_F
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294-COMP

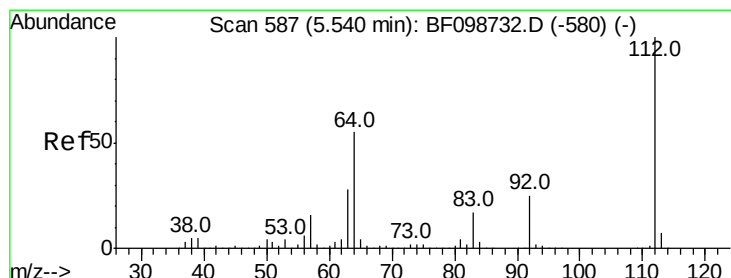
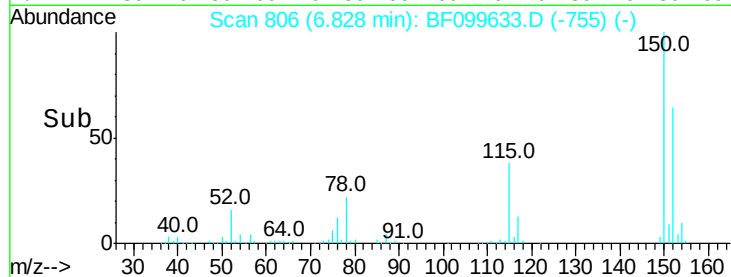
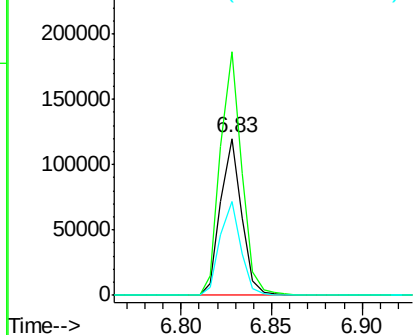
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	59.7	50.1	75.1

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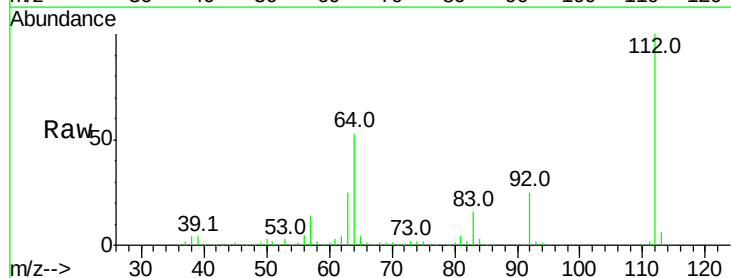
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



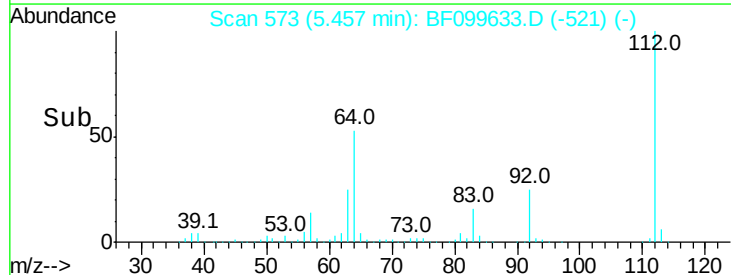
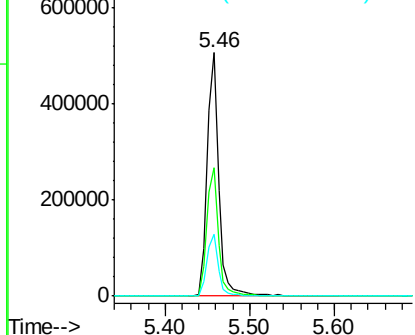
#5

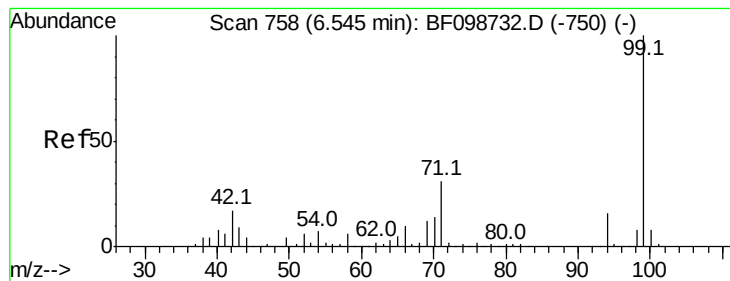
2-Fluorophenol
Concen: 79.839 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF099633.D
Acq: 18 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	47.9	71.9
63	25.2	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: 74.478 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099633.D

Acq: 18 Oct 2017 22:38

Instrument :

BNA_F

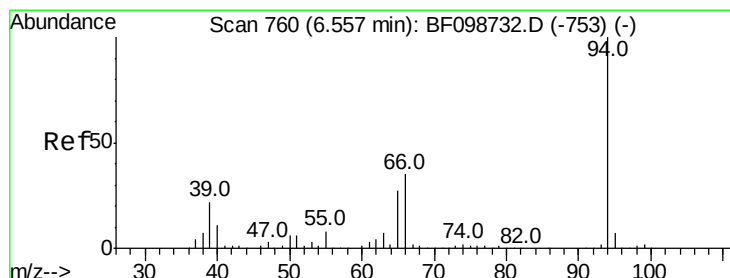
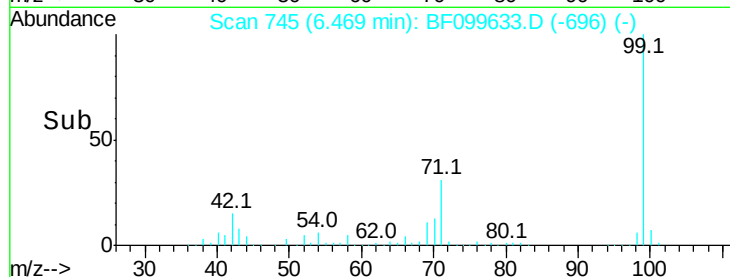
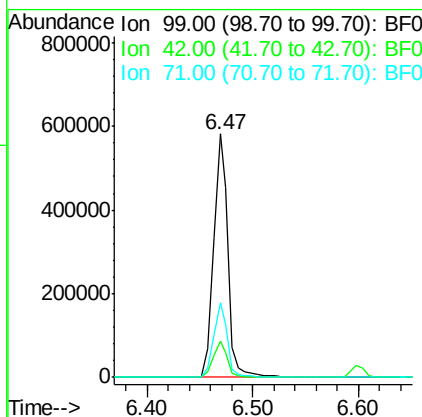
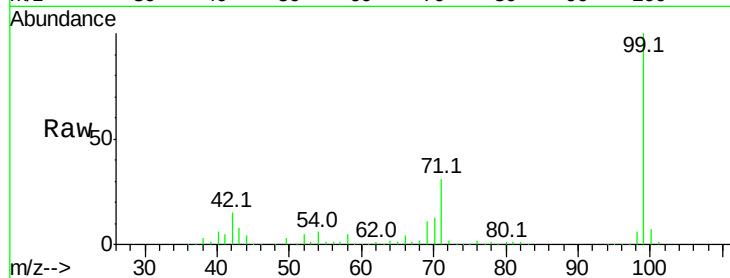
ClientSampleId :

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Tot Ion:	99	Resp:	559911
Ion Ratio	Lower	Upper	
99	100		
42	15.0	14.5	21.7
71	30.5	25.4	38.0

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#10

Phenol

Concen: 3.449 ng

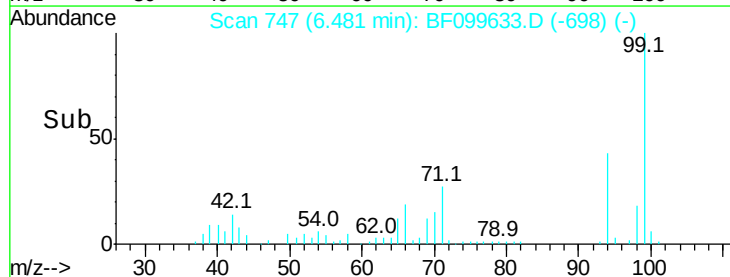
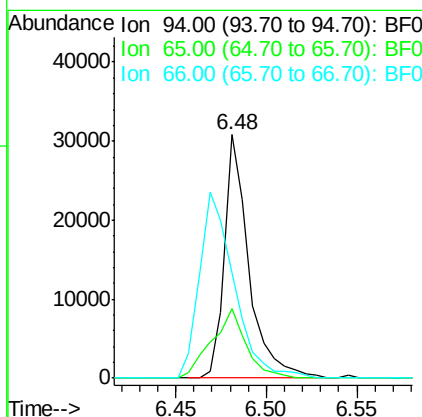
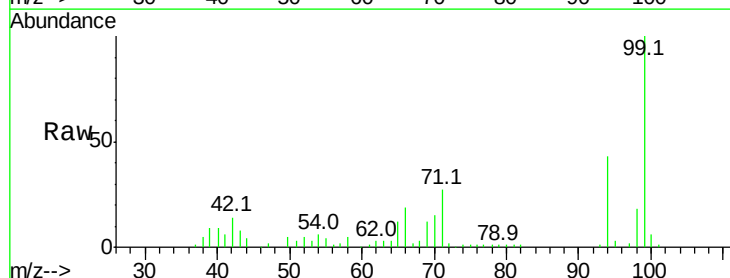
RT: 6.48 min Scan# 747

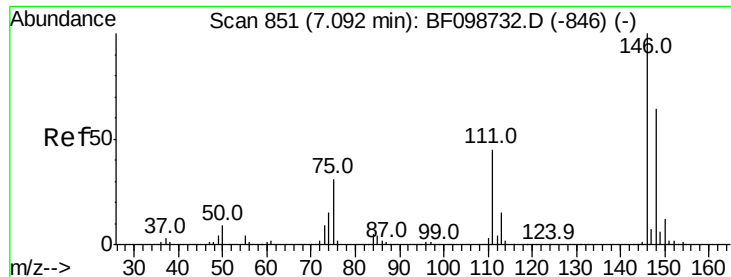
Delta R.T. -0.01 min

Lab File: BF099633.D

Acq: 18 Oct 2017 22:38

Tgt Ion:	94	Resp:	28997
Ion Ratio	Lower	Upper	
94	100		
65	28.8	7.9	47.9
66	43.3	16.2	56.2





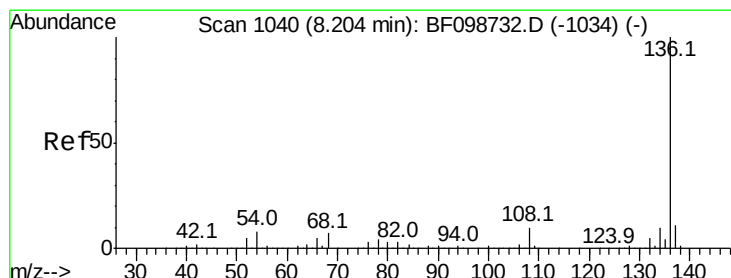
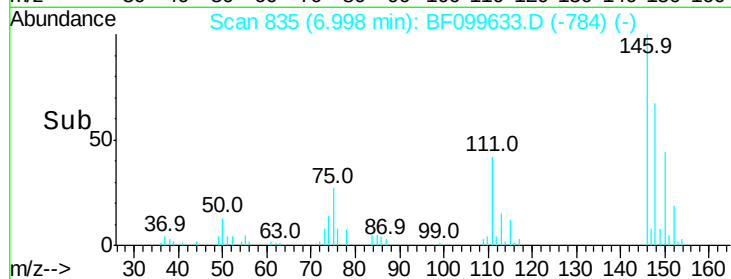
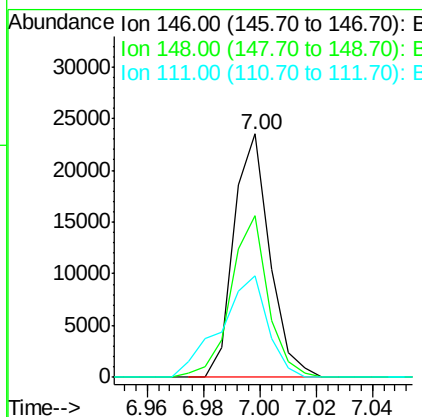
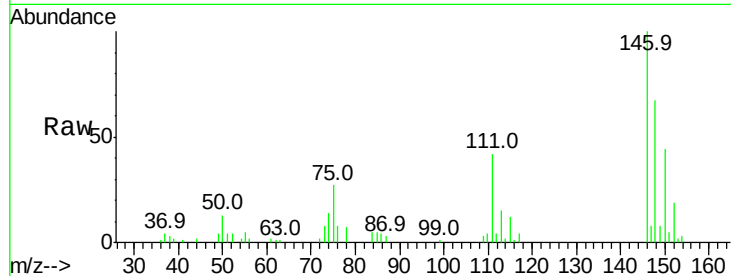
#14
1,2-Dichlorobenzene
Concen: 3.051 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF099633.D
Acq: 18 Oct 2017 22:38

Instrument :
BNA_F
ClientSampleId :
294-COMP

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.7	50.6	75.8
111	41.5	36.0	54.0

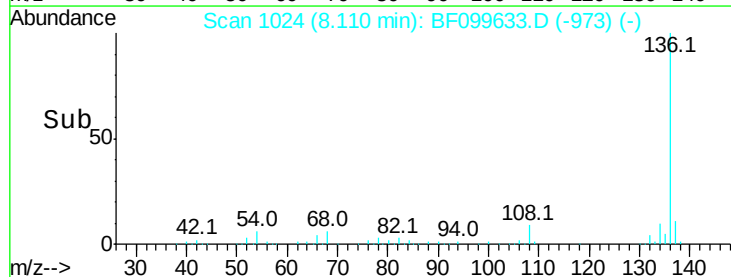
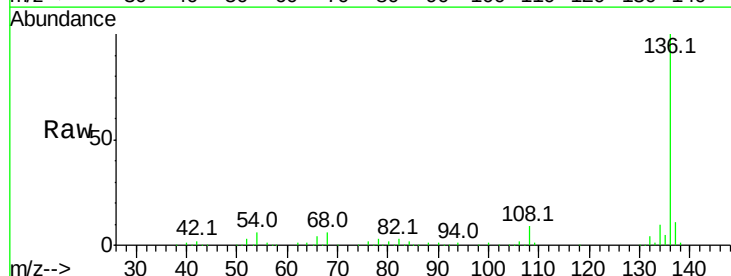
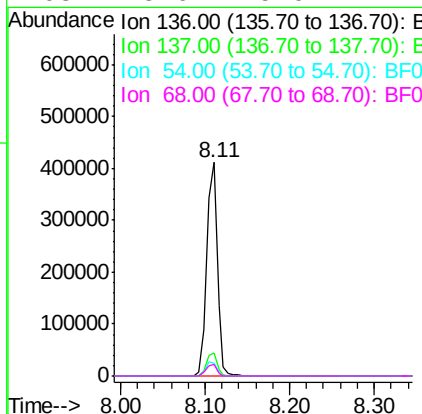
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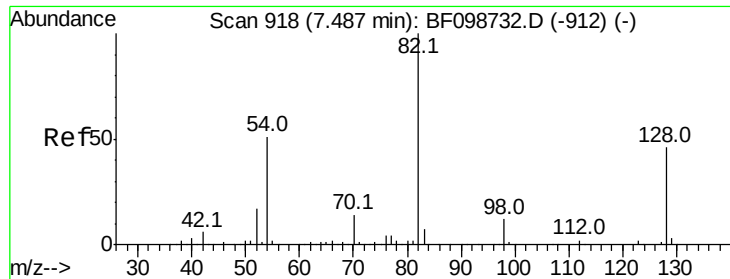
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF099633.D
Acq: 18 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.2	6.6	9.8#
68	5.6	5.0	7.4





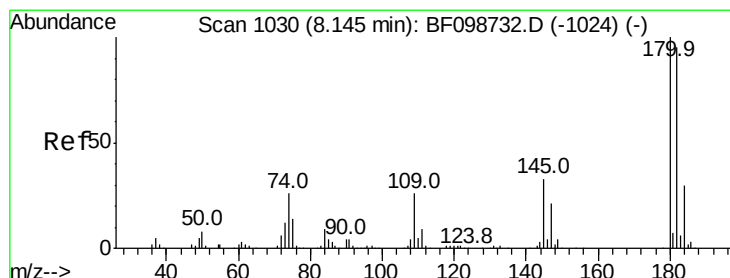
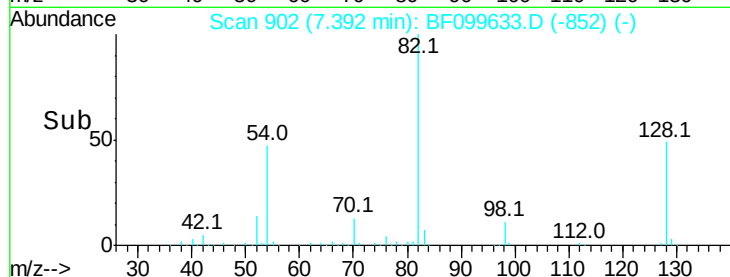
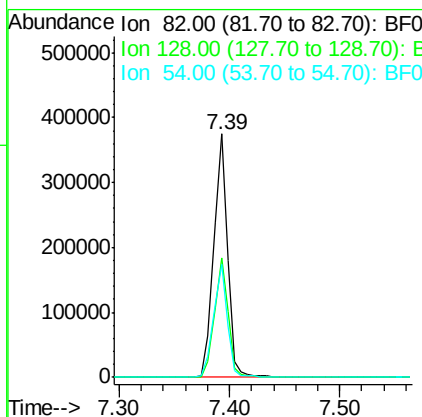
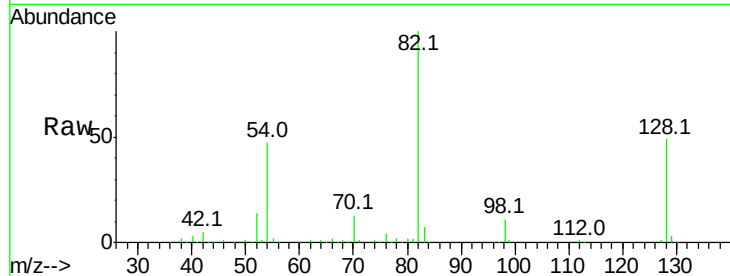
#23
 Nitrobenzene-d5
 Concen: 57.616 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF099633.D
 Acq: 18 Oct 2017 22:38

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100	323697		
128	48.9	36.1	54.1	
54	46.5	41.4	62.2	

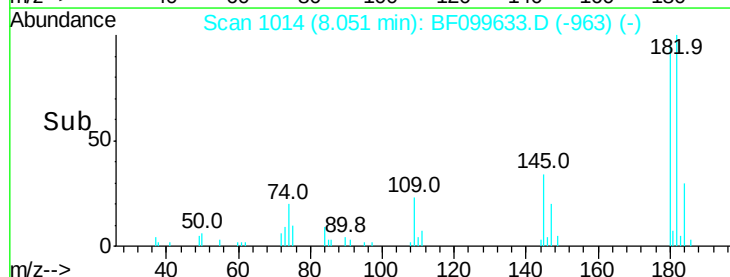
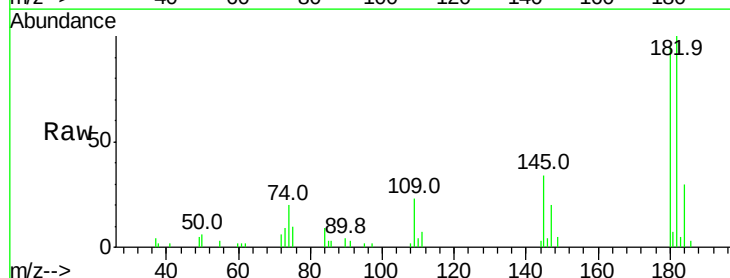
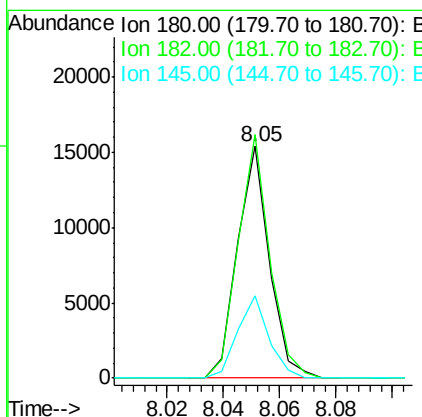
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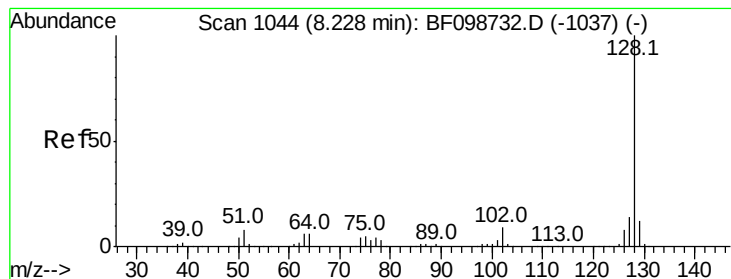
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#30
 1,2,4-Trichlorobenzene
 Concen: 2.429 ng
 RT: 8.05 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: BF099633.D
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Tgt Ion	Ratio	Resp	Lower	Upper
180	100	12074		
182	105.0	76.8	115.2	
145	35.4	26.5	39.7	





#31

Naphthalene

Concen: 2.559 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF099633.D

Acq: 18 Oct 2017 22:38

Instrument :

BNA_F

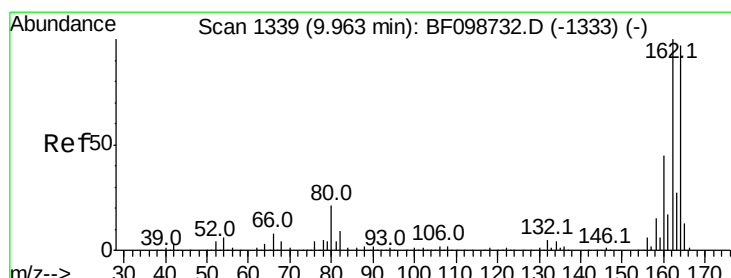
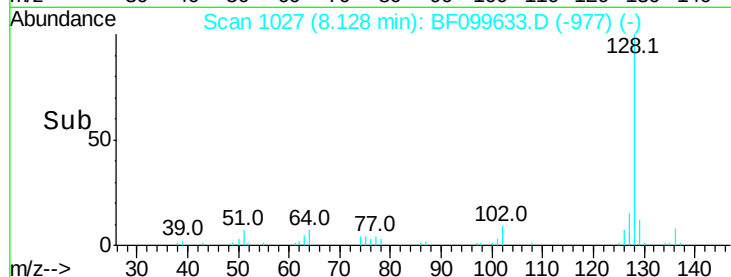
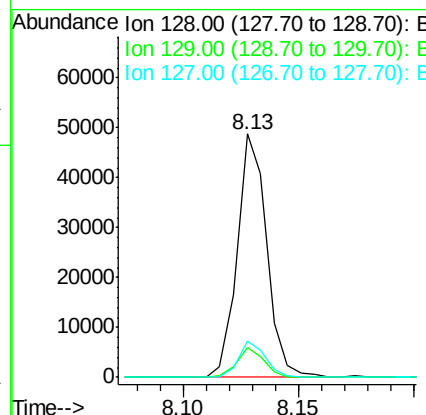
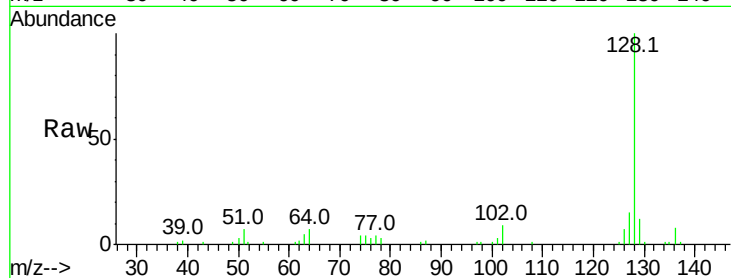
ClientSampleId :

294-COMP

Tot Ion:128	Resp:	43303
Ion Ratio	Lower	Upper
128 100		
129 12.4	8.8	13.2
127 14.7	10.9	16.3

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#38

Acenaphthene-d10

Concen: 20.000 ng

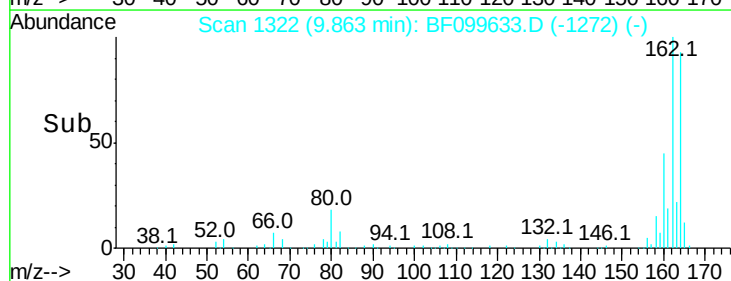
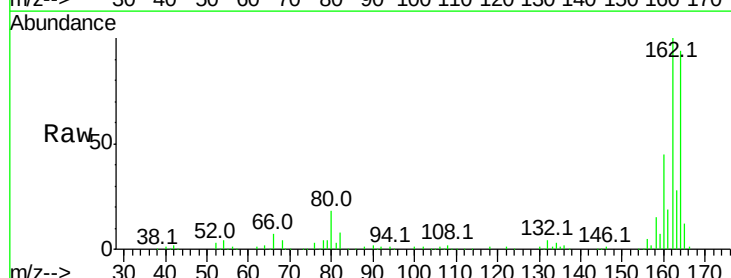
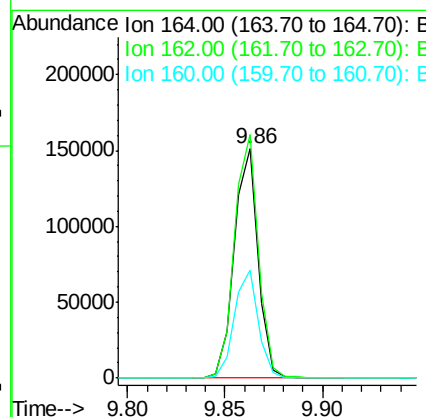
RT: 9.86 min Scan# 1322

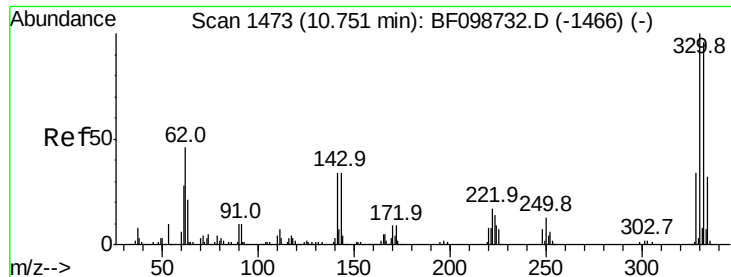
Delta R.T. -0.01 min

Lab File: BF099633.D

Acq: 18 Oct 2017 22:38

Tgt Ion:164	Resp:	127886
Ion Ratio	Lower	Upper
164 100		
162 106.1	86.1	129.1
160 47.3	38.3	57.5





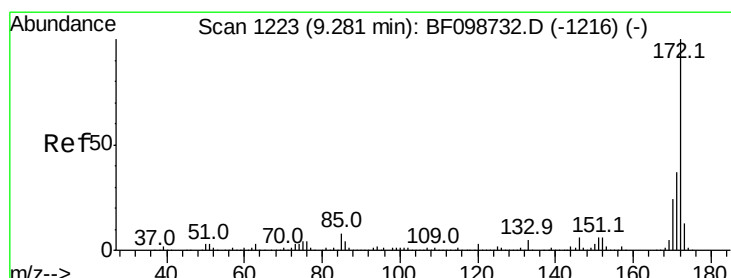
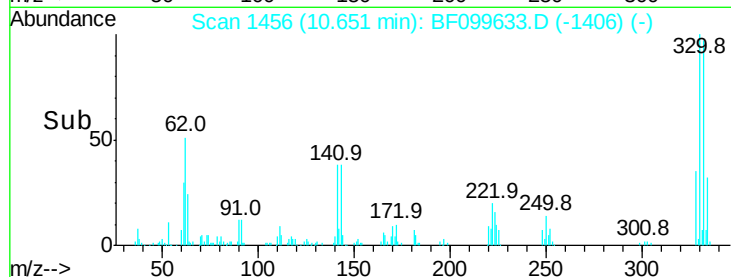
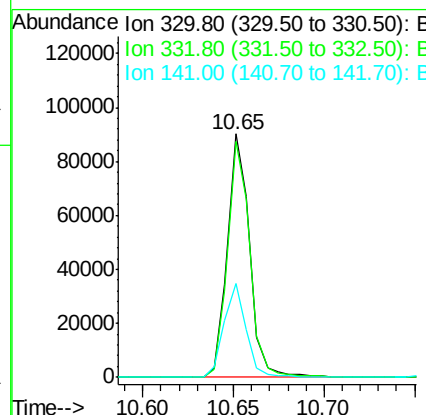
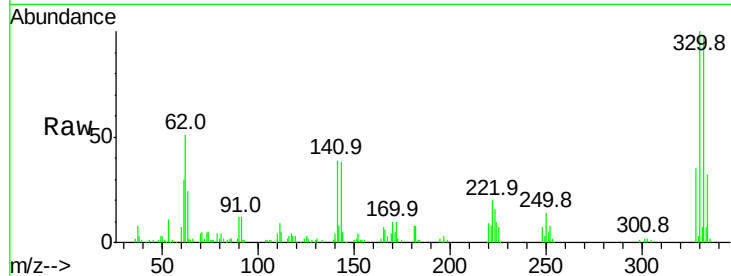
#41
 2,4,6-Tribromophenol
 Concen: 73.813 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF099633.D
 Acq: 18 Oct 2017 22:38

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	39.0	29.9	44.9

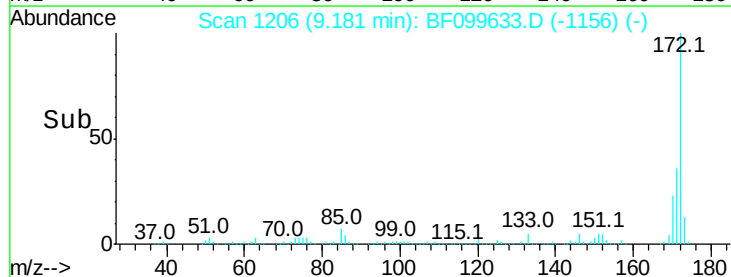
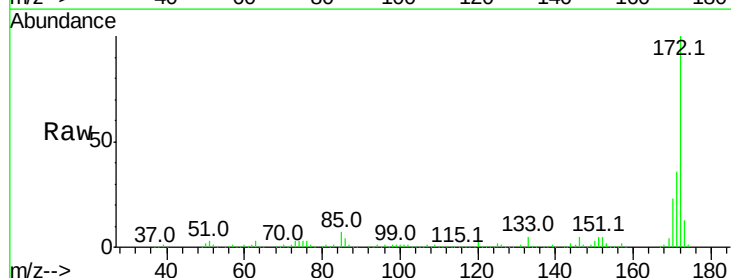
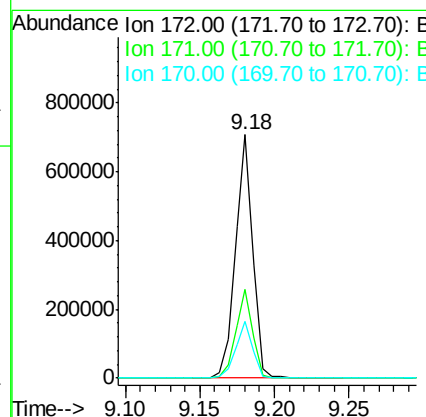
Manual Integrations
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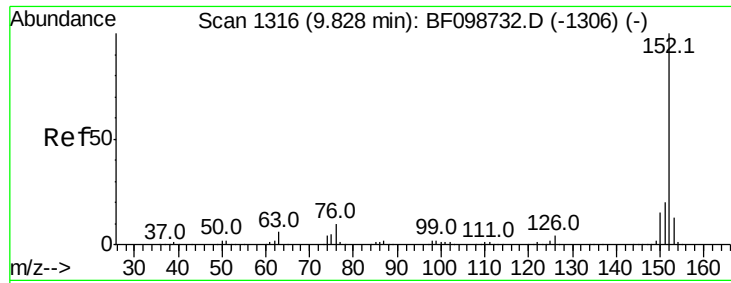
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#44
 2-Fluorobiphenyl
 Concen: 76.071 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099633.D
 Acq: 18 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.1	19.6	29.4





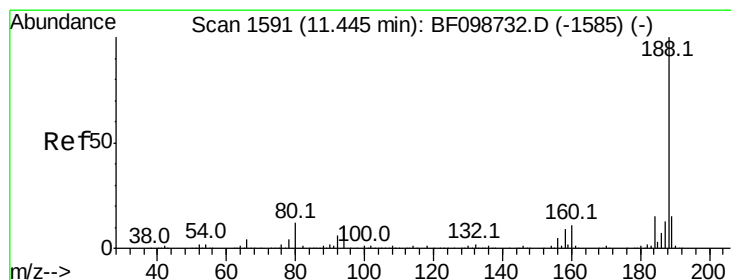
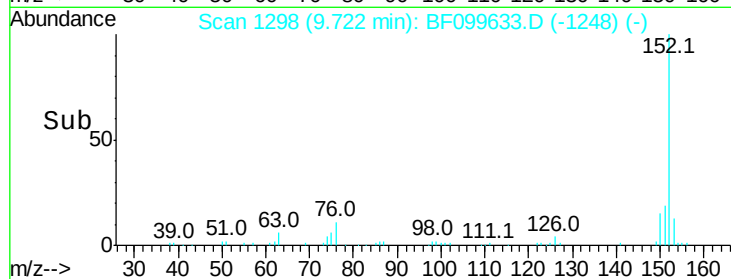
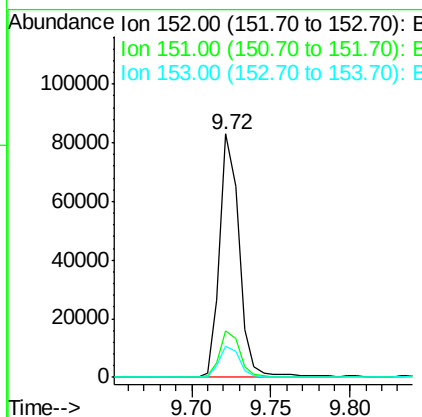
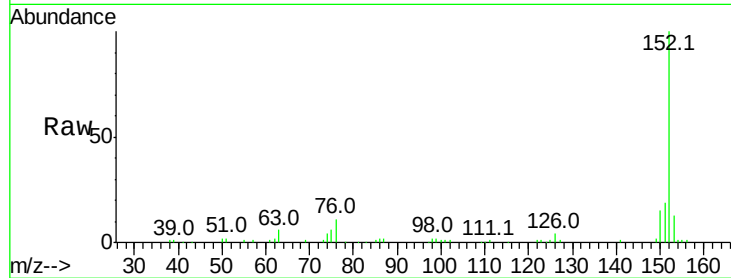
#48
 Acenaphthylene
 Concen: 5.654 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF099633.D
 Acq: 18 Oct 2017 22:38

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion:	152	Resp:	71426
Ion Ratio	Lower	Upper	
152	100		
151	19.3	16.3	24.5
153	12.6	10.7	16.1

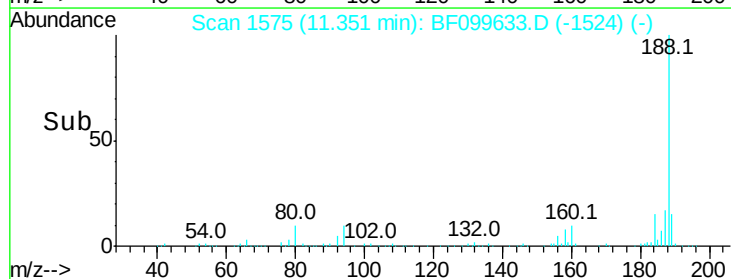
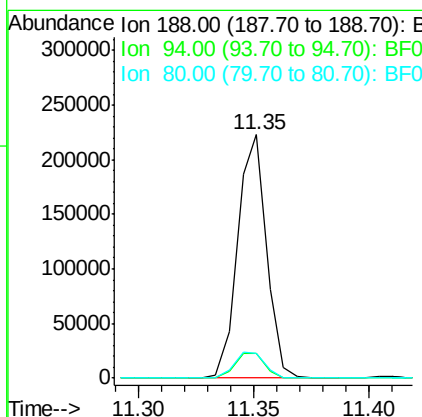
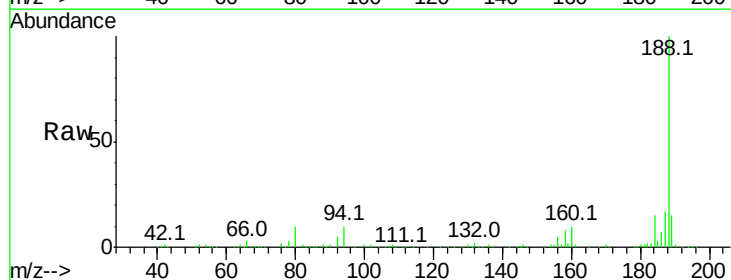
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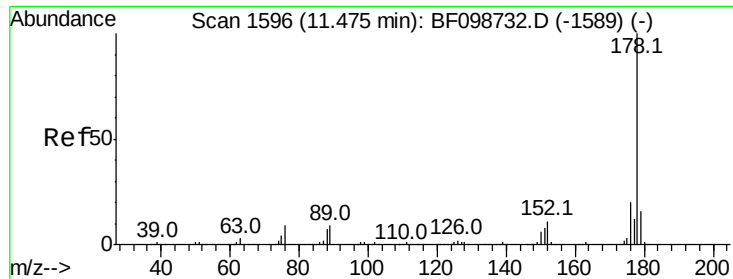
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF099633.D
 Acq: 18 Oct 2017 22:38

Tgt Ion:	188	Resp:	193410
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.5	12.7
80	10.2	9.2	13.8





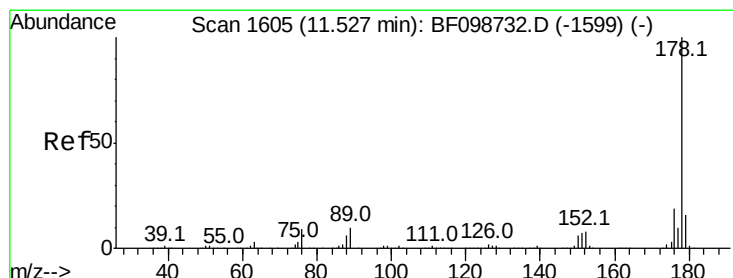
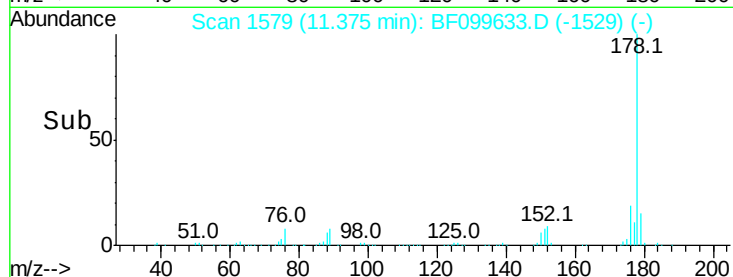
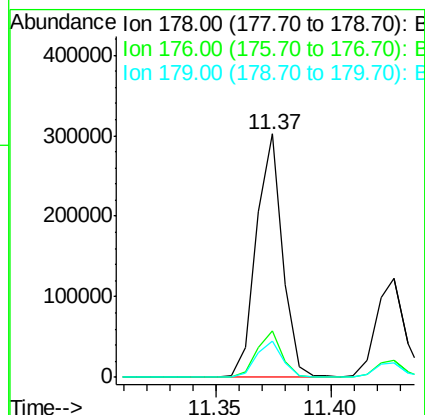
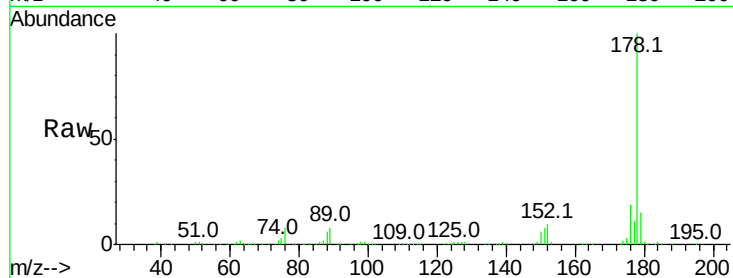
#70
Phenanthrene
Concen: 23.164 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF099633.D
Acq: 18 Oct 2017 22:38

Instrument :
BNA_F
ClientSampleId :
294-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	14.8	13.0	19.6

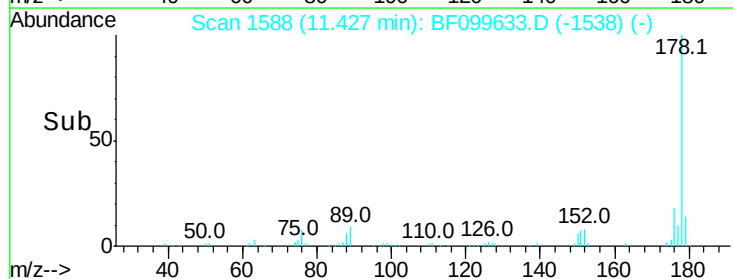
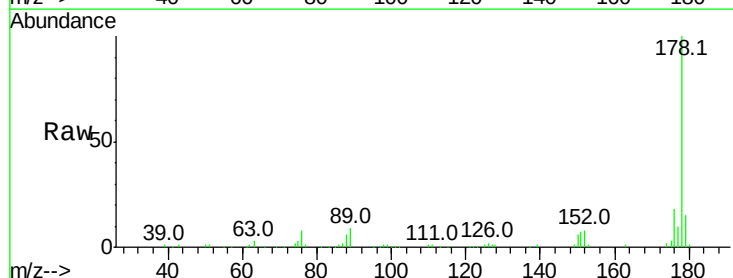
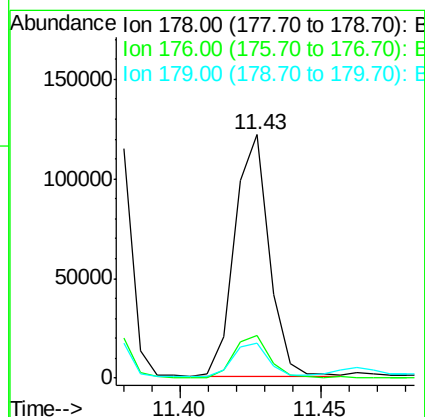
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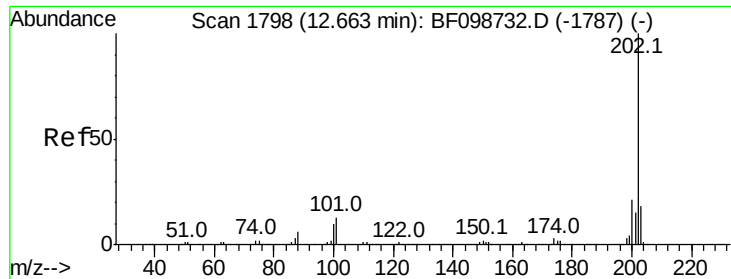
Sohil
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#71
Anthracene
Concen: 9.721 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF099633.D
Acq: 18 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	14.5	12.6	19.0





#74

Fluoranthene

Concen: 71.666 ng

RT: 12.57 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BF099633.D

Acq: 18 Oct 2017 22:38

Instrument :

BNA_F

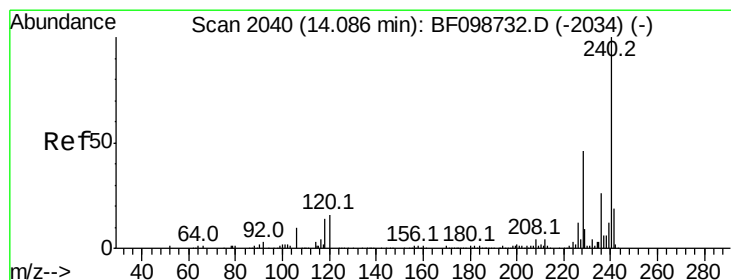
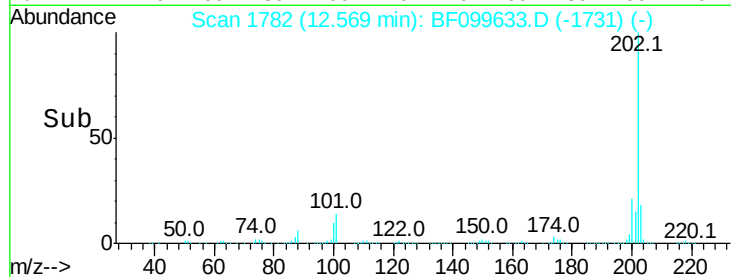
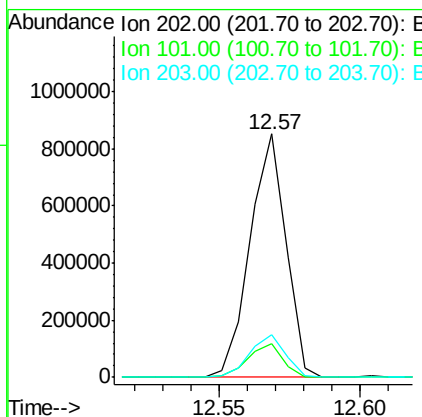
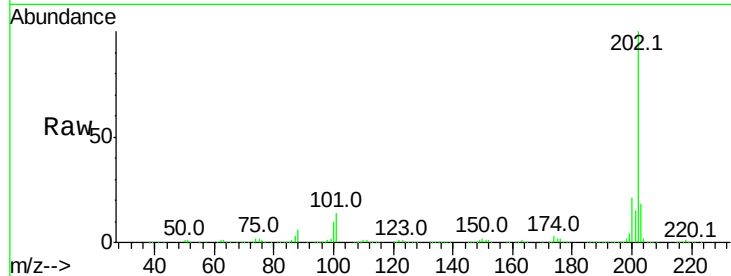
ClientSampled :

294-COMP

Tot Ion:	202	Resp:	751297
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	34.1
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

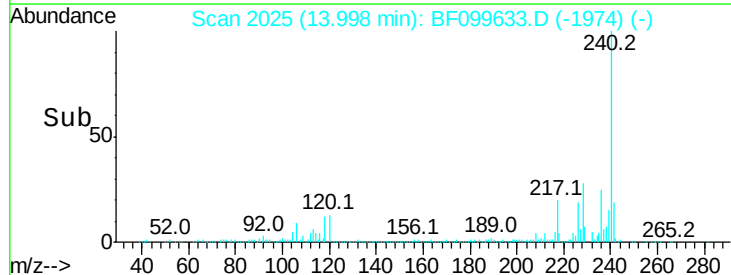
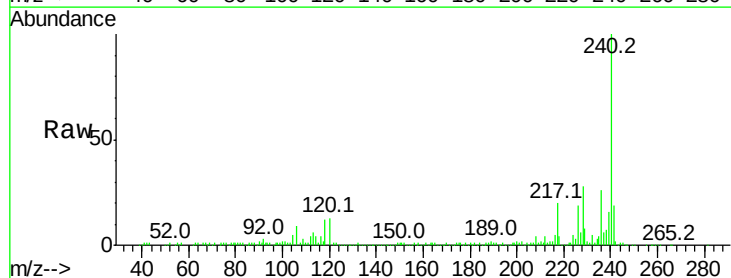
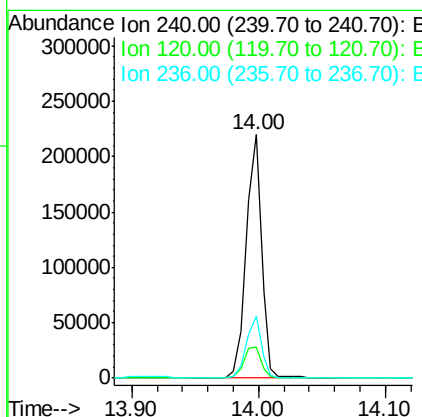
RT: 14.00 min Scan# 2025

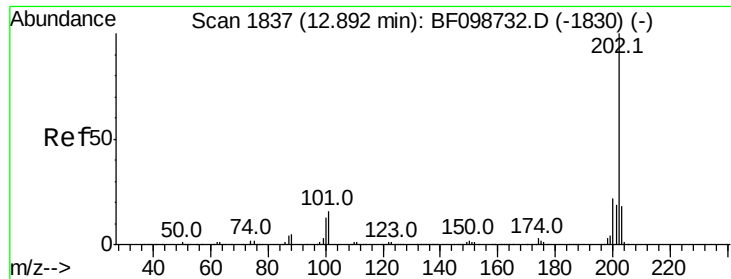
Delta R.T. 0.00 min

Lab File: BF099633.D

Acq: 18 Oct 2017 22:38

Tgt Ion:	240	Resp:	184036
Ion Ratio	Lower	Upper	
240	100		
120	13.0	9.5	14.3
236	25.6	20.7	31.1





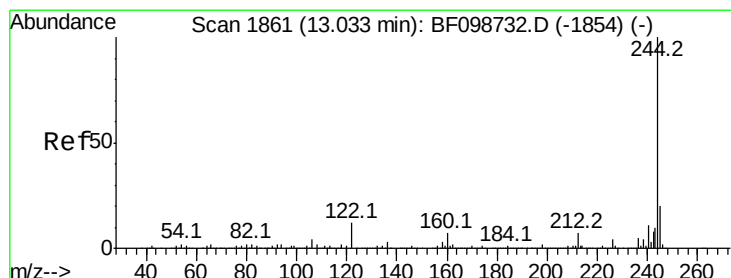
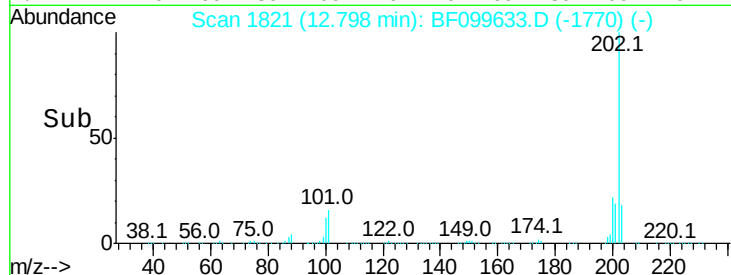
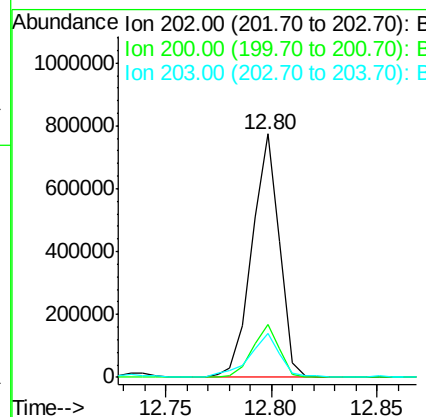
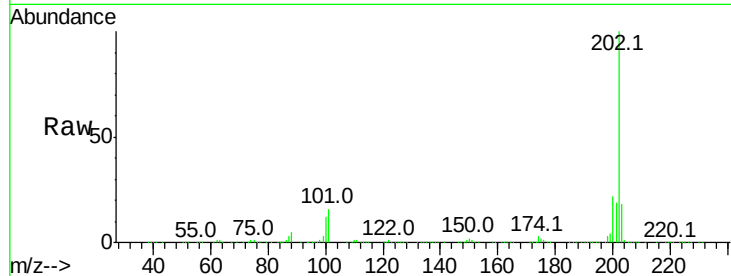
#77
 Pvrene
 Concen: 49.629 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BF099633.D
 Acq: 18 Oct 2017 22:38

Instrument :
 BNA_F
 ClientSampled :
 294-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.1	14.3	21.5

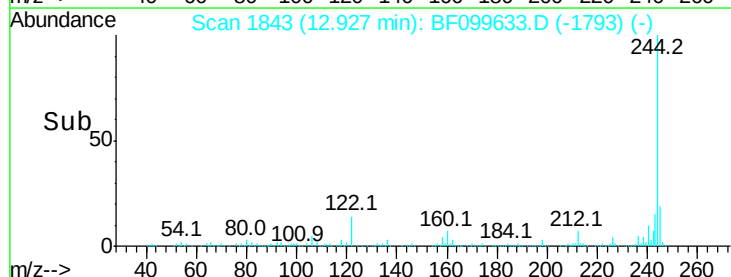
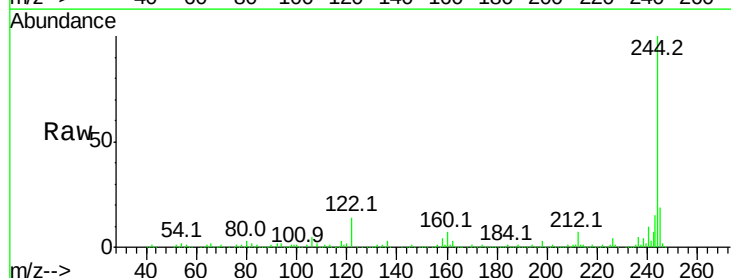
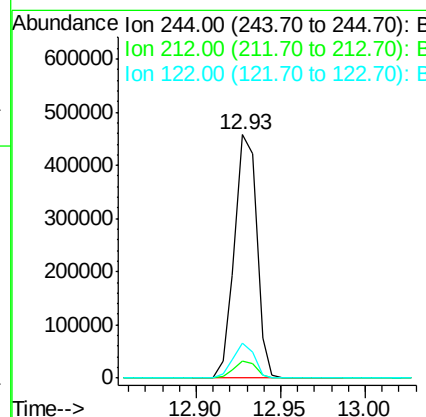
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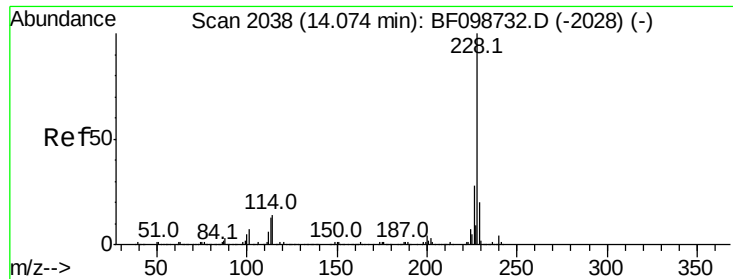
Sohil
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#78
 Terphenyl-d14
 Concen: 51.987 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF099633.D
 Acq: 18 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	14.4	11.0	16.4





#80

Benzo(a)anthracene

Concen: 38.429 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF099633.D

Acq: 18 Oct 2017 22:38

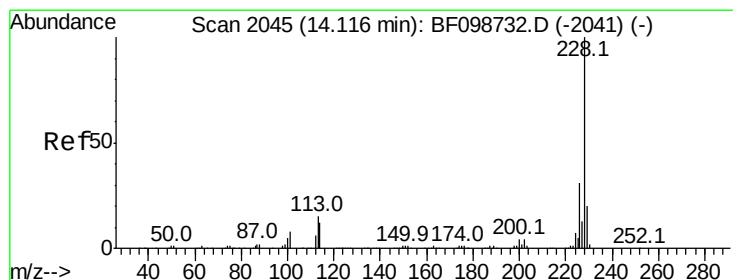
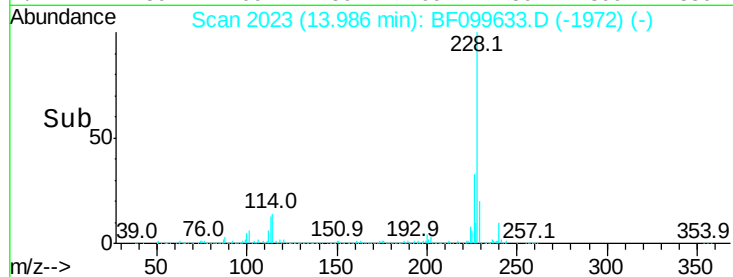
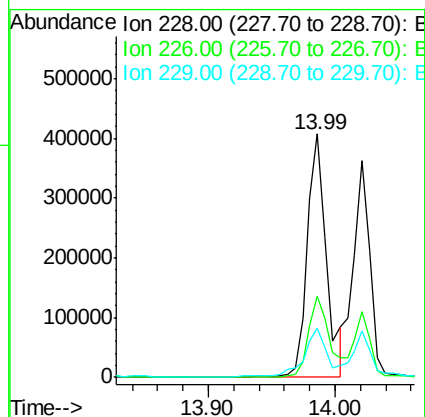
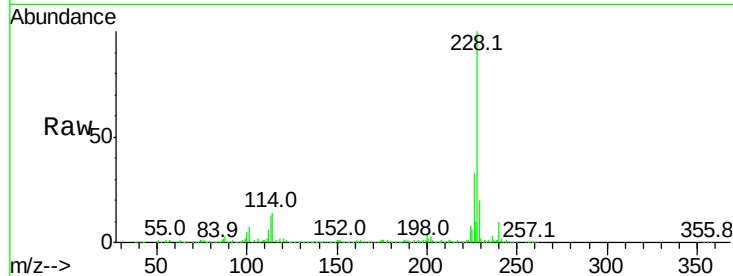
Instrument :
BNA_F

ClientSampled :
294-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.6	33.8
229	20.2	15.8	23.6

Manual Integrations
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#82

Chrysene

Concen: 30.769 ng

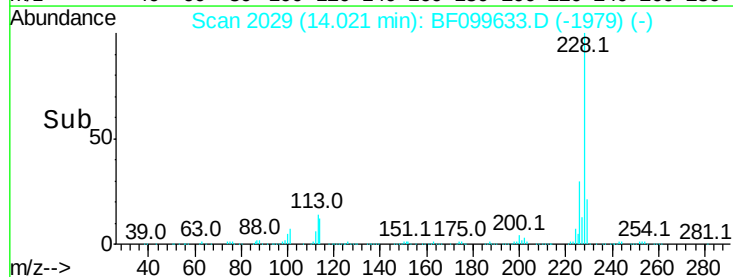
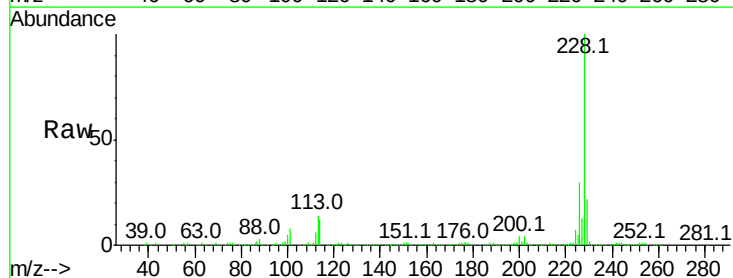
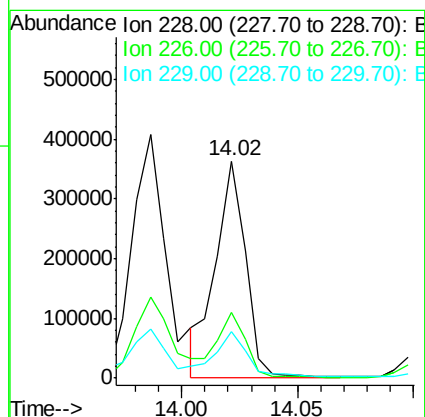
RT: 14.02 min Scan# 2029

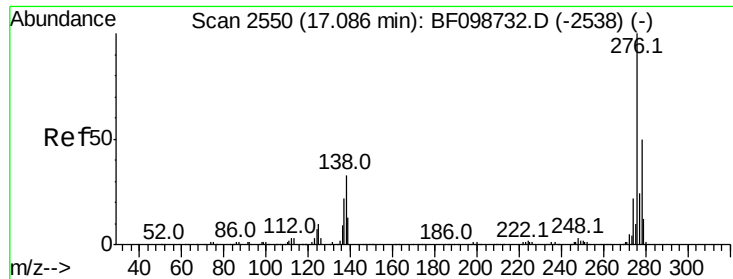
Delta R.T. -0.01 min

Lab File: BF099633.D

Acq: 18 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	21.6	16.2	24.4





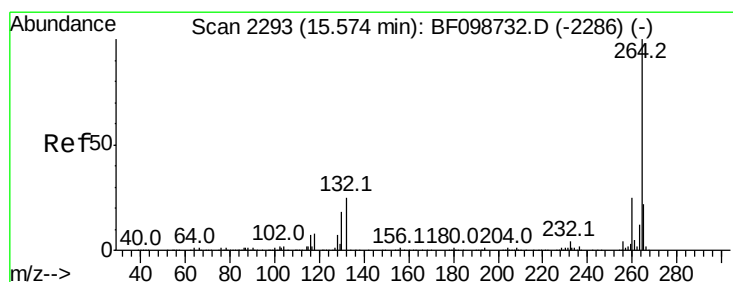
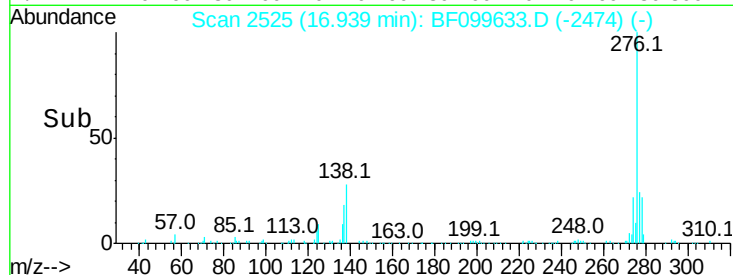
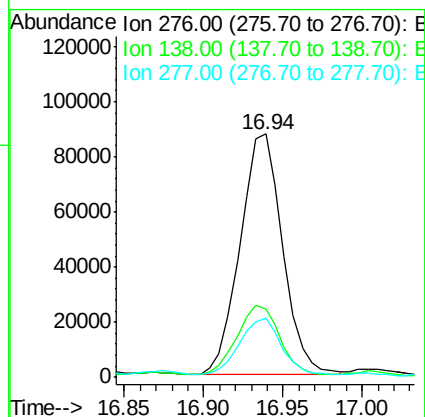
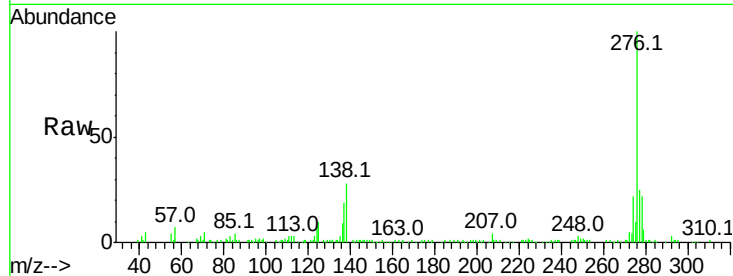
#85
Indeno(1,2,3-cd)pyrene
Concen: 19.128 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.00 min
Lab File: BF099633.D
Acq: 18 Oct 2017 22:38

Instrument :
BNA_F
ClientSampleId :
294-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.0	25.0	37.6
277	23.1	20.1	30.1

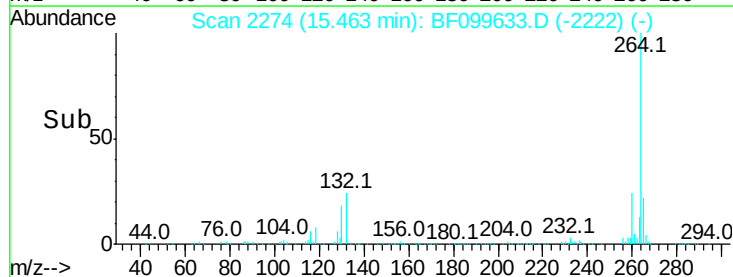
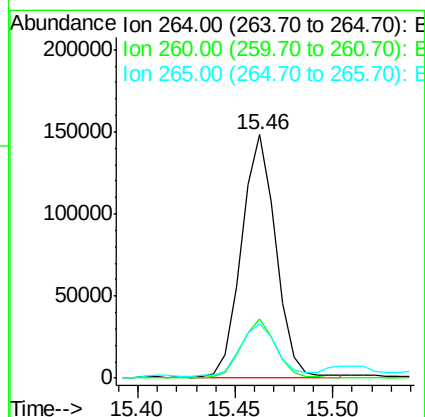
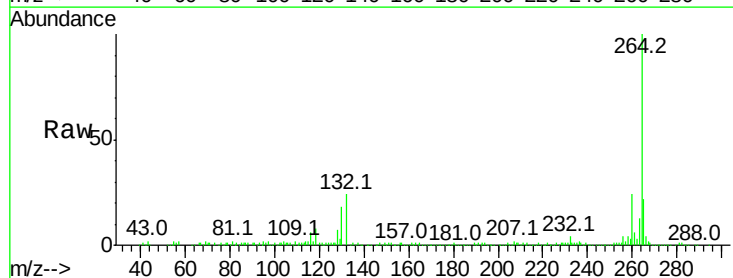
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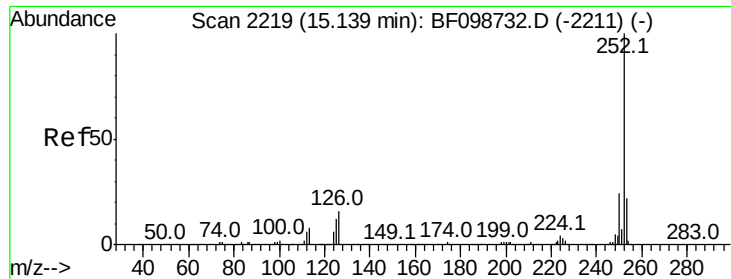
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF099633.D
Acq: 18 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.5	17.5	26.3





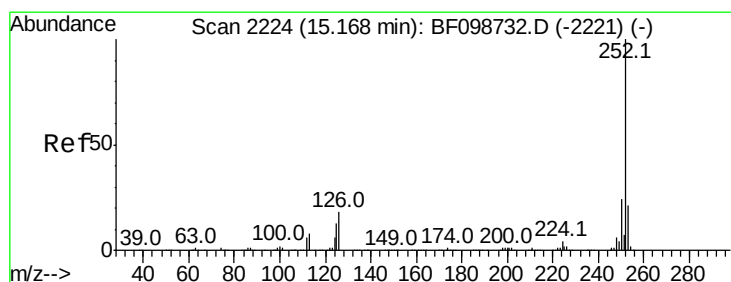
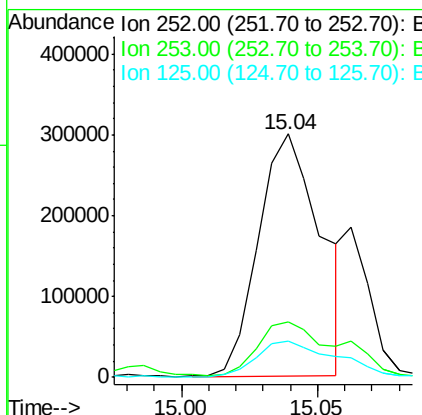
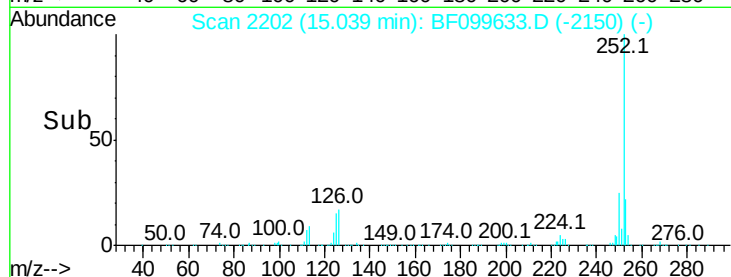
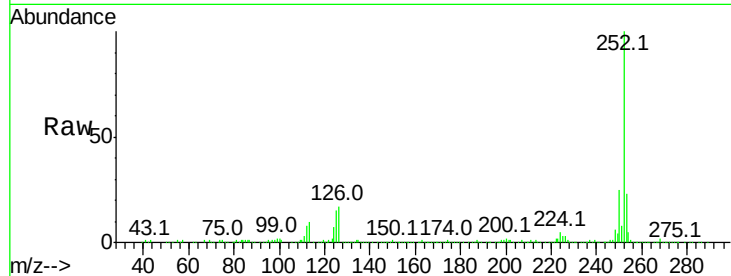
#87
Benzo(b)fluoranthene
Concen: 43.709 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF099633.D
Acq: 18 Oct 2017 22:38

Instrument :
BNA_F
ClientSampleId :
294-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	14.9	9.0	13.6

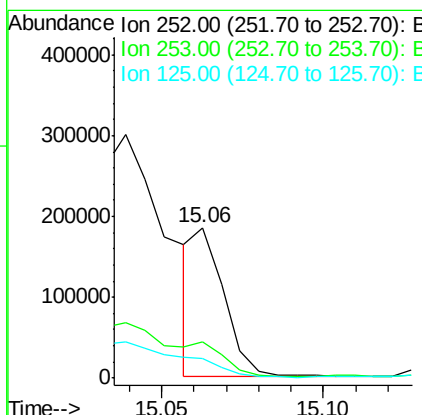
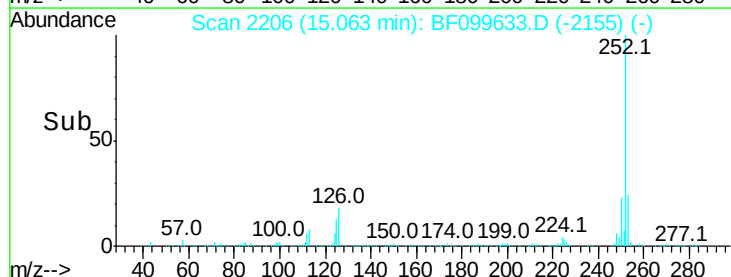
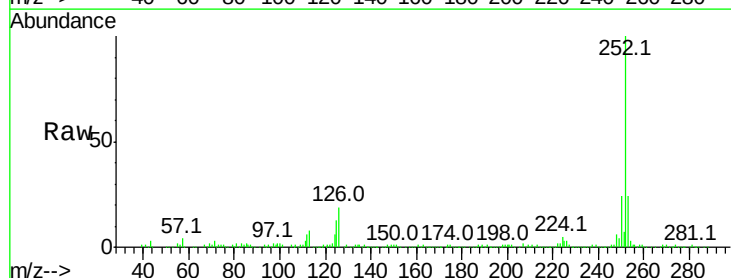
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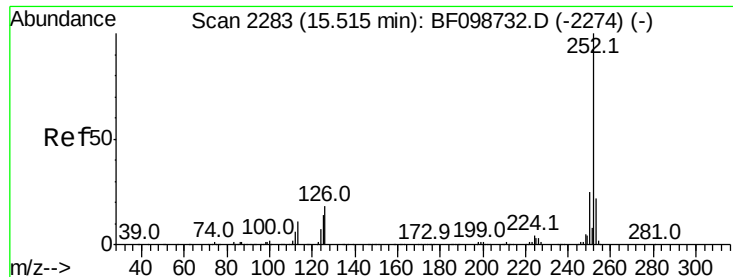
Sohil
10/19/2017 5:15:02 PM



#88
Benzo(k)fluoranthene
Concen: 11.134 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF099633.D
Acq: 18 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	13.2	10.2	15.2





#89

Benzo(a)pyrene

Concen: 33.210 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF099633.D

Acq: 18 Oct 2017 22:38

Instrument :

BNA_F

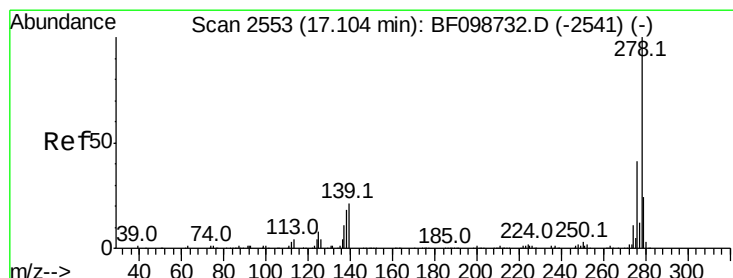
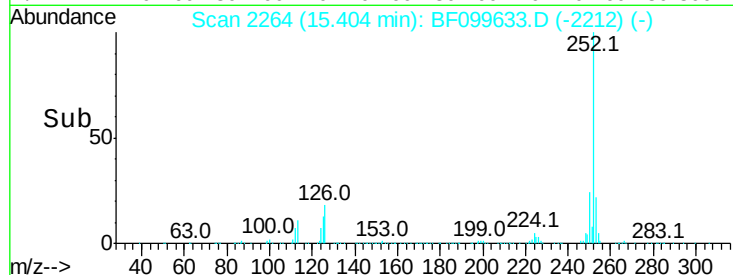
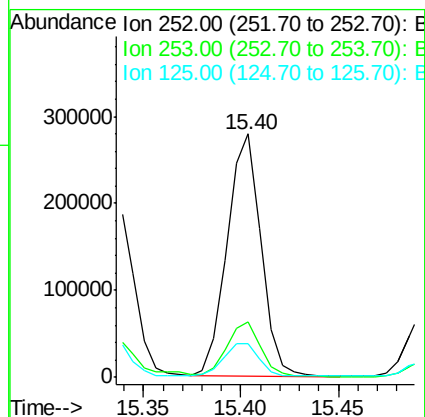
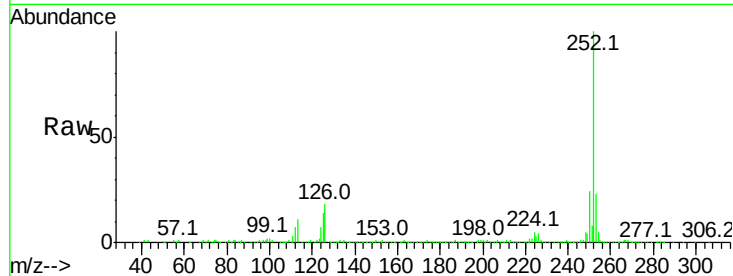
ClientSampleId :

294-COMP

Tot Ion:	252	Resp:	336133
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.1	25.7
125	13.7	9.8	14.6

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#90

Dibenzo(a,h)anthracene

Concen: 5.512 ng m

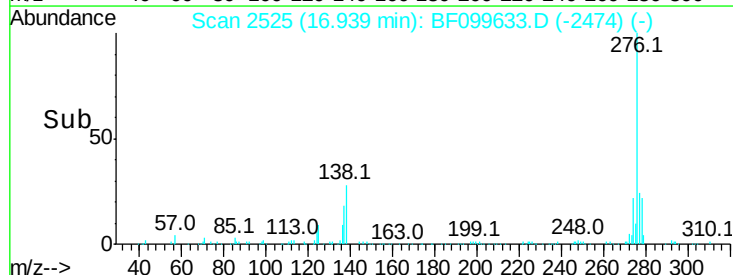
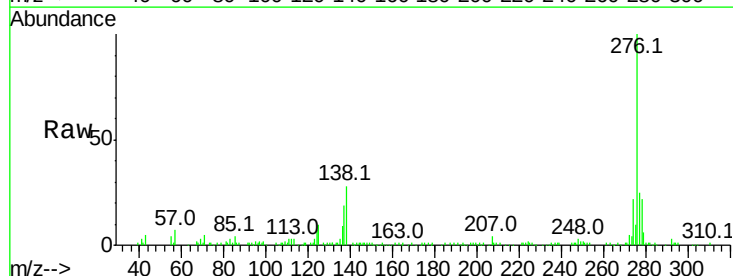
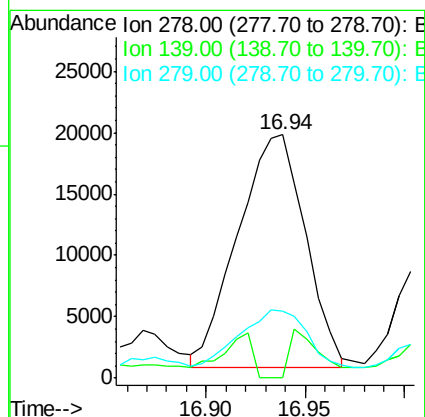
RT: 16.94 min Scan# 2525

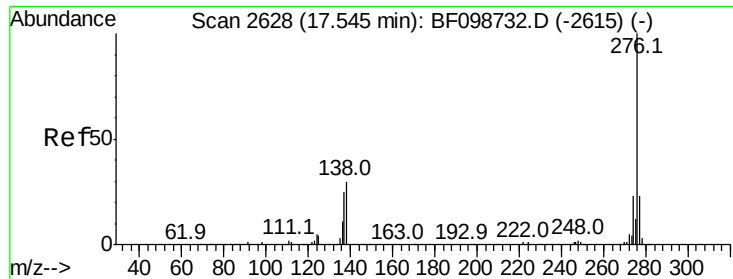
Delta R.T. 0.00 min

Lab File: BF099633.D

Acq: 18 Oct 2017 22:38

Tgt Ion:	278	Resp:	44651
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	27.6	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 17.898 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. 0.01 min
 Lab File: BF099633.D
 Acq: 18 Oct 2017 22:38

Instrument :
 BNA_F
 ClientSampleId :
 294-COMP

Tot Ion:	276	Resp:	143303
Ion Ratio		Lower	Upper
276	100		
277	23.1	17.9	26.9
138	31.6	21.8	32.8

Manual Integrations
 APPROVED

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