

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
 Data File : BF099811.D
 Acq On : 25 Oct 2017 14:14
 Operator : SJ/JU
 Sample : I6025-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06

Manual Integrations
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Sohil
 10/27/2017 8:58:49 AM

Quant Time: Oct 25 17:09:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 17:02:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	102218	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	408504	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	185102	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	301978	20.00	ng	0.00
75) Chrysene-d12	13.99	240	191766	20.00	ng	0.00
86) Perylene-d12	15.46	264	187483	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	508938	78.17	ng	0.00
7) Phenol-d6	6.43	99	621423	80.49	ng	0.00
23) Nitrobenzene-d5	7.36	82	348548	54.93	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	125143	74.19	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	642488	53.55	ng	0.00
78) Terphenyl-d14	12.92	244	471648	53.75	ng	0.00
Target Compounds						
31) Naphthalene	8.10	128	220147	11.164	ng	Qvalue 100
37) 2-Methylnaphthalene	8.79	142	208458	15.775	ng	98
51) Acenaphthene	9.87	154	272180	23.782	ng	98
54) Dibenzofuran	10.05	168	36260	2.245	ng	# 92
57) Fluorene	10.39	166	112716	8.427	ng	97
70) Phenanthrene	11.36	178	322540	18.926	ng	99
71) Anthracene	11.41	178	85801	4.960	ng	96
74) Fluoranthene	12.56	202	444316	25.088	ng	99
77) Pyrene	12.79	202	373478	25.613	ng	99
80) Benzo(a)anthracene	13.97	228	132542	10.903	ng	97
82) Chrysene	14.02	228	129154	11.301	ng	96
85) Indeno(1,2,3-cd)pyrene	16.94	276	72126	6.874	ng	97
87) Benzo(b)fluoranthene	15.03	252	160677m	13.572	ng	
88) Benzo(k)fluoranthene	15.06	252	40792m	3.654	ng	
89) Benzo(a)pyrene	15.40	252	95859	9.014	ng	# 92
90) Dibenzo(a,h)anthracene	16.94	278	19593	2.073	ng	# 78
91) Benzo(a,h,i)perylene	17.40	276	68266	7.384	ng	99

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

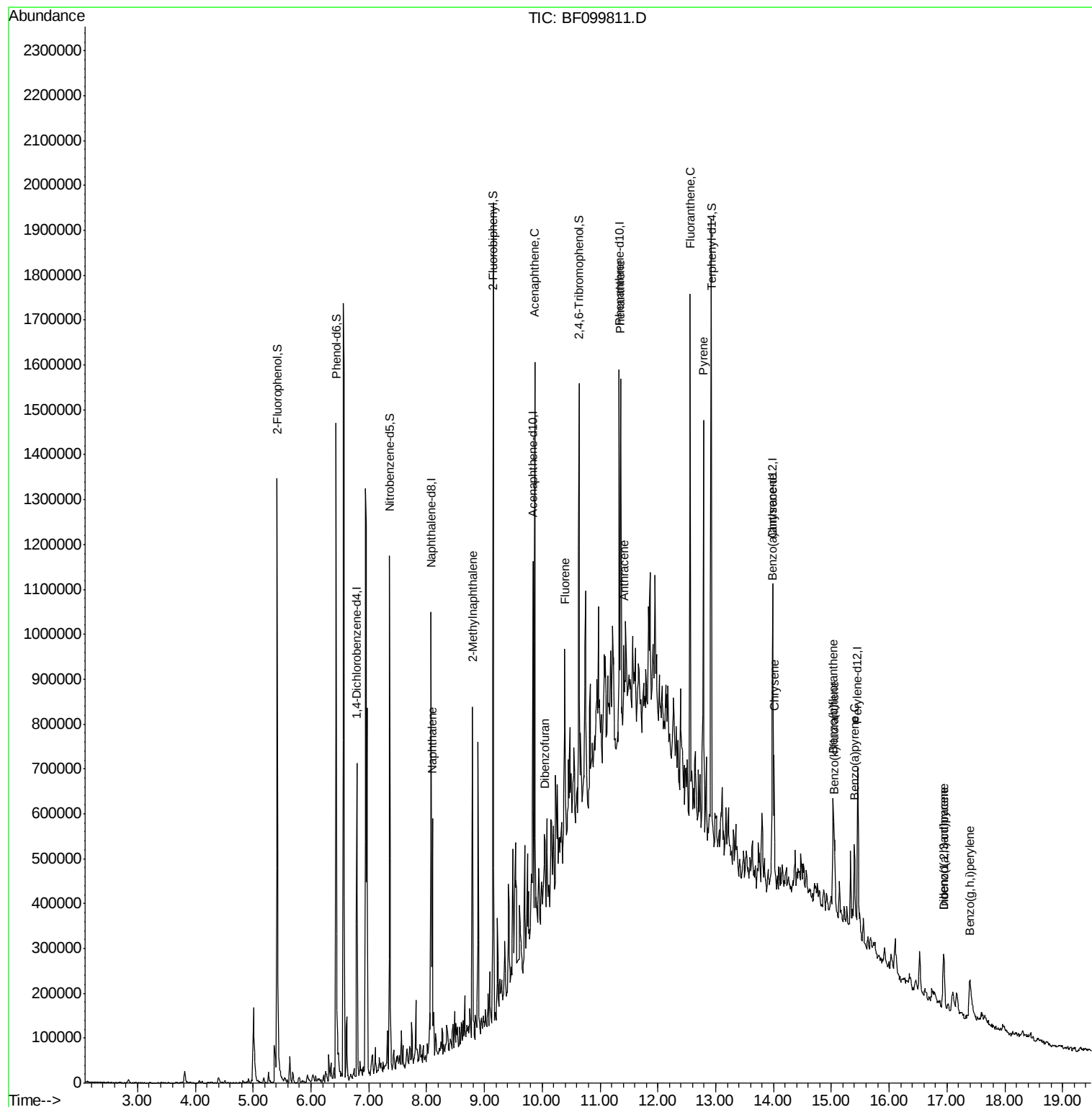
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#1

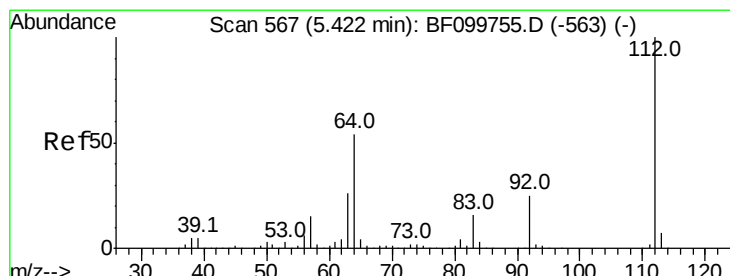
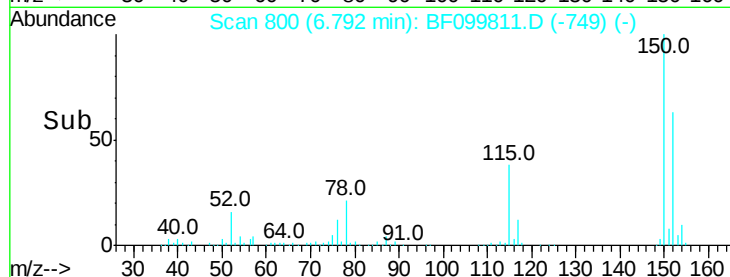
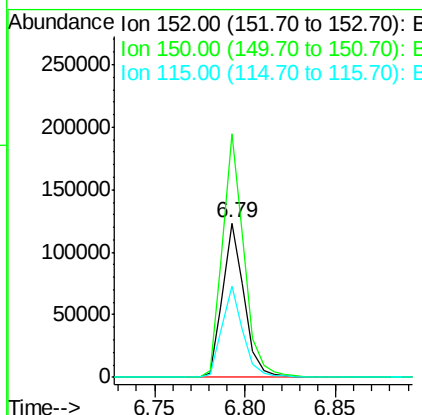
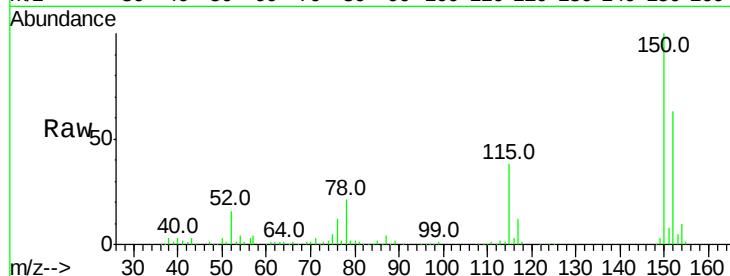
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF099811.D
Acq: 25 Oct 2017 14:14

Instrument :
BNA_F
ClientSampled :
SB-06

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	59.4	50.1	75.1

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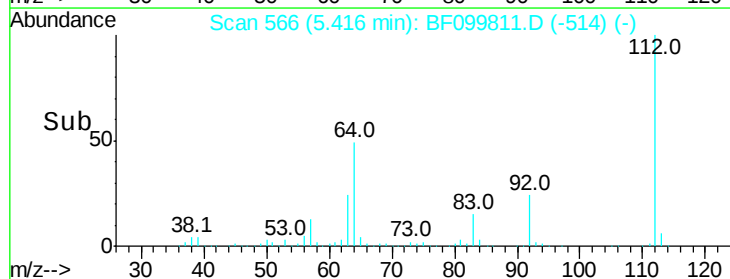
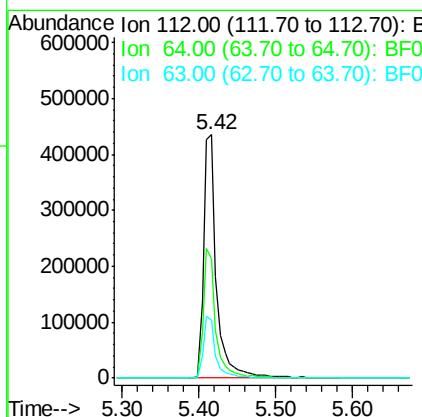
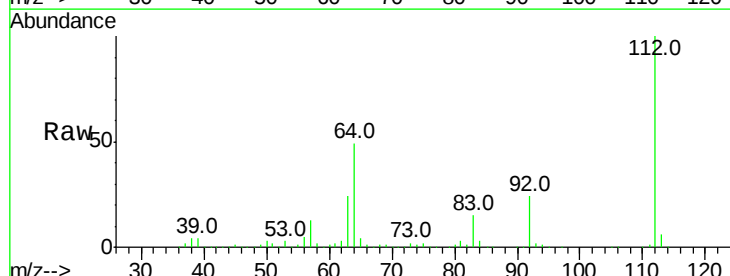
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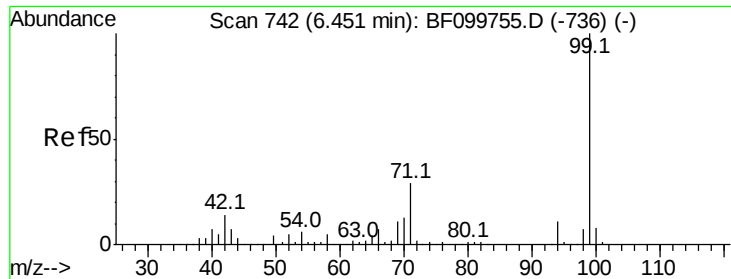


#5

2-Fluorophenol
Concen: 78.168 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF099811.D
Acq: 25 Oct 2017 14:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.3	47.9	71.9
63	23.6	23.7	35.5#





#7

Phenol-d6

Concen: 80.495 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099811.D

Acq: 25 Oct 2017 14:14

Instrument :

BNA_F

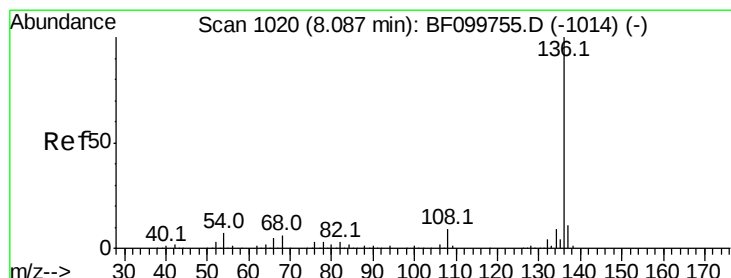
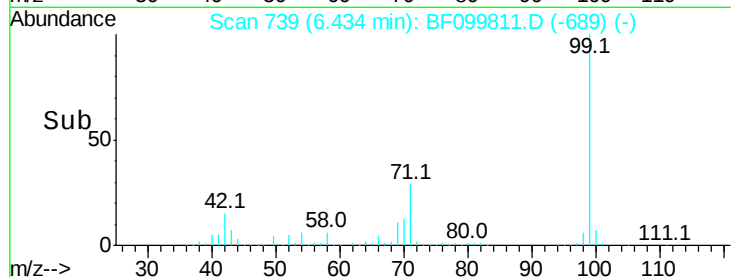
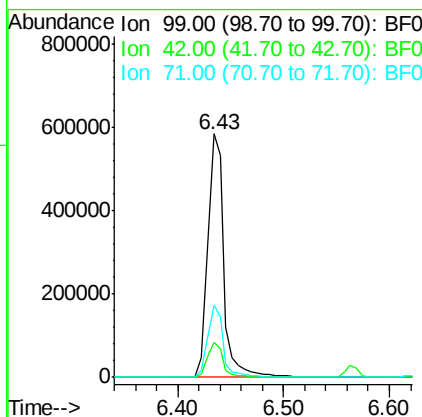
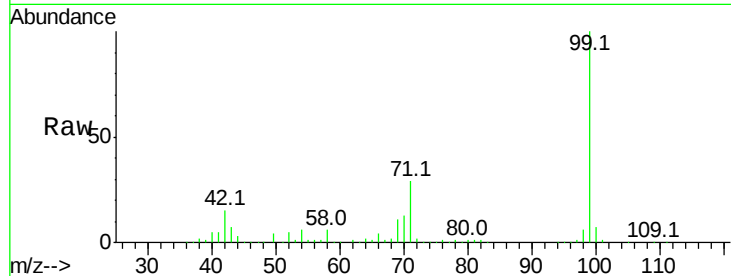
ClientSampled :

SB-06

Tot Ion:	99	Resp:	621423
Ion Ratio	Lower	Upper	
99	100		
42	14.5	14.5	21.7
71	29.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

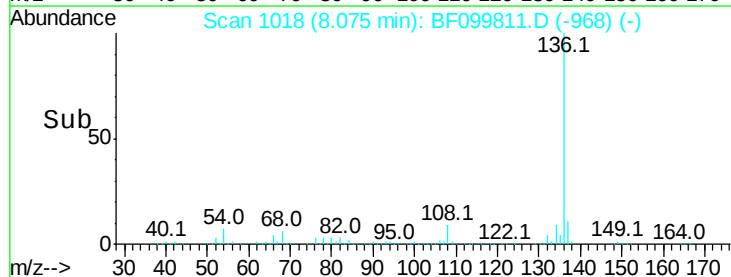
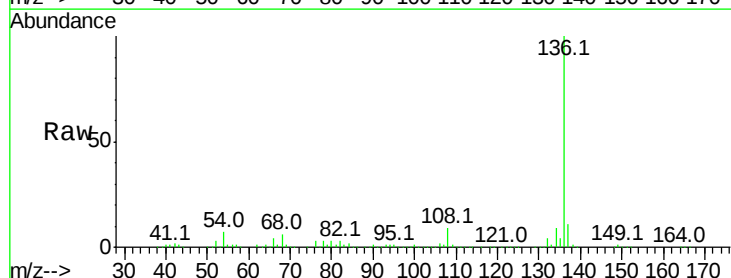
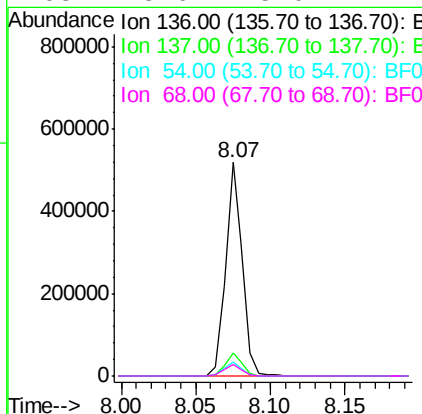
RT: 8.07 min Scan# 1018

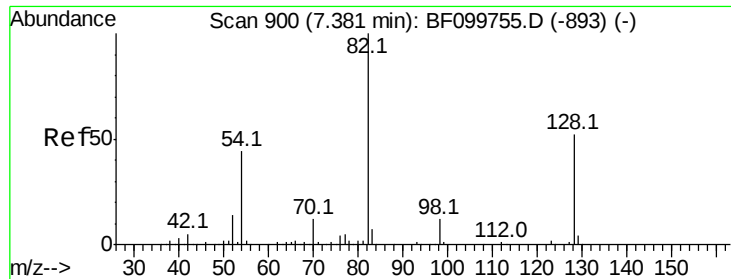
Delta R.T. -0.01 min

Lab File: BF099811.D

Acq: 25 Oct 2017 14:14

Tgt Ion:	136	Resp:	408504
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	6.7	6.6	9.8
68	5.6	5.0	7.4





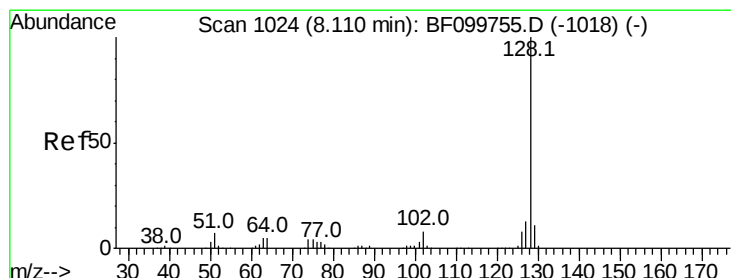
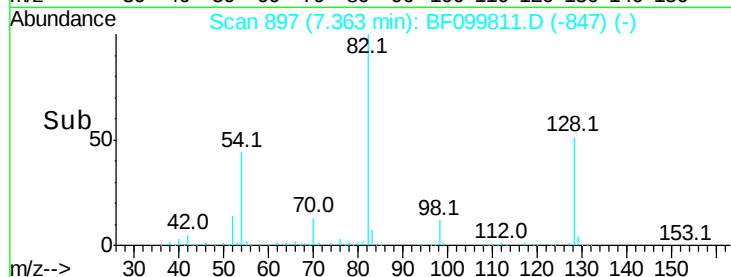
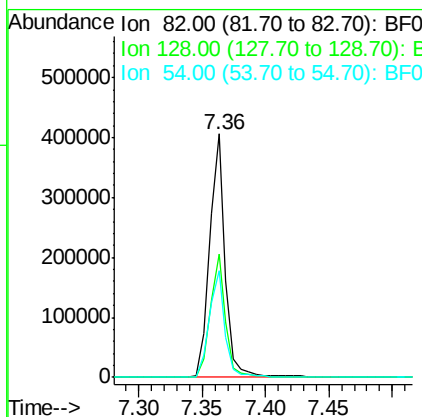
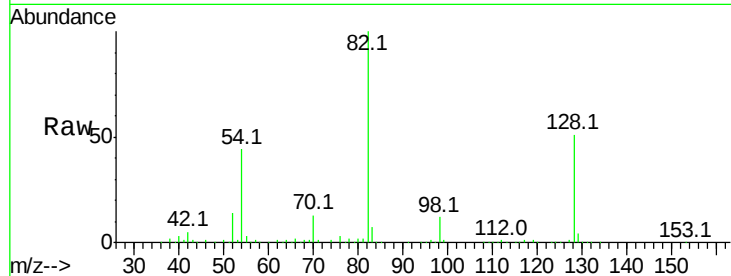
#23
 Nitrobenzene-d5
 Concen: 54.931 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF099811.D
 Acq: 25 Oct 2017 14:14

Instrument :
 BNA_F
 ClientSampled :
 SB-06

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.7	36.1	54.1
54	43.9	41.4	62.2

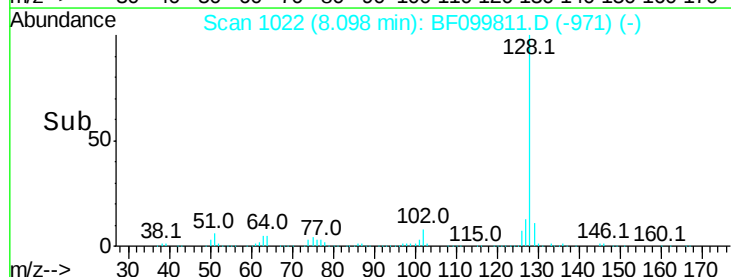
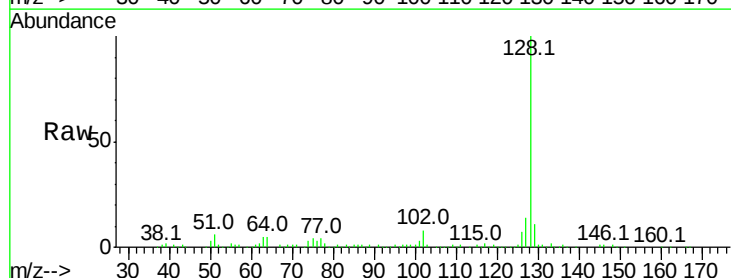
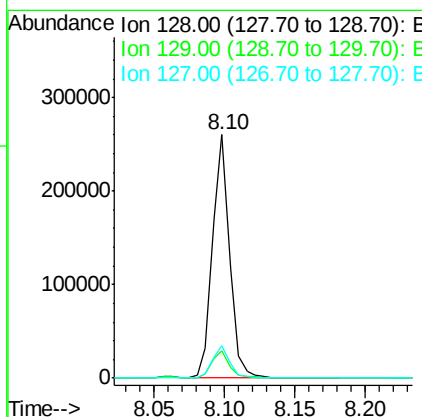
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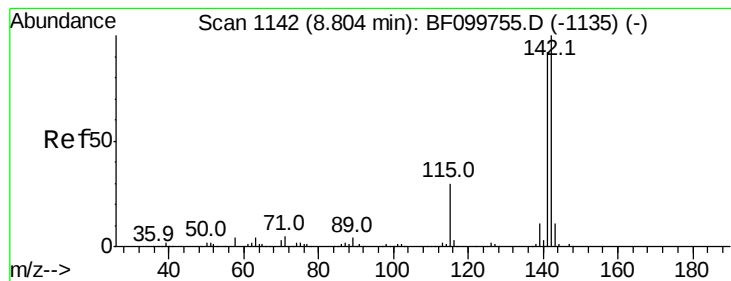
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#31
 Naphthalene
 Concen: 11.164 ng
 RT: 8.10 min Scan# 1022
 Delta R.T. 0.00 min
 Lab File: BF099811.D
 Acq: 25 Oct 2017 14:14

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.6	10.9	16.3





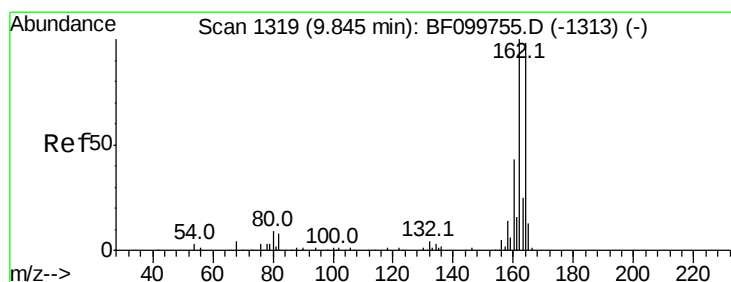
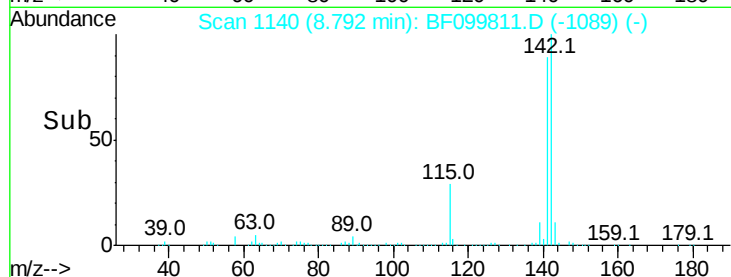
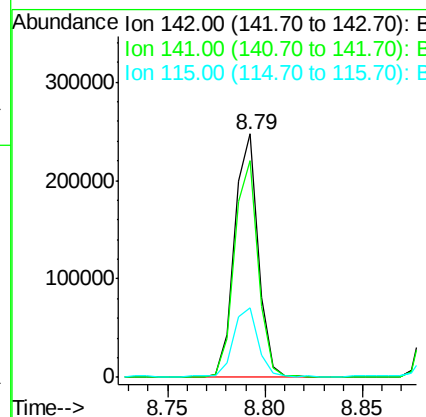
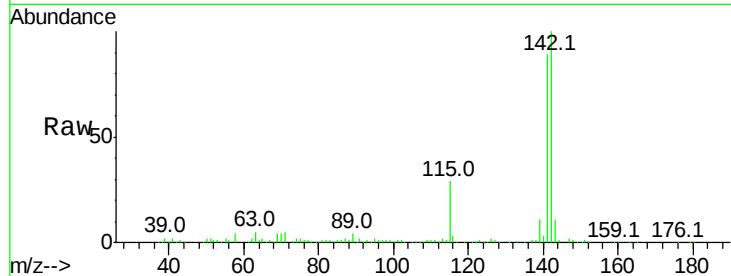
#37
 2-Methylnaphthalene
 Concen: 15.775 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. -0.00 min
 Lab File: BF099811.D
 Acq: 25 Oct 2017 14:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-06

Tot Ion	Ratio	Resp	Lower	Upper
142	100	208458		
141	89.0		70.8	106.2
115	28.5		26.1	39.1

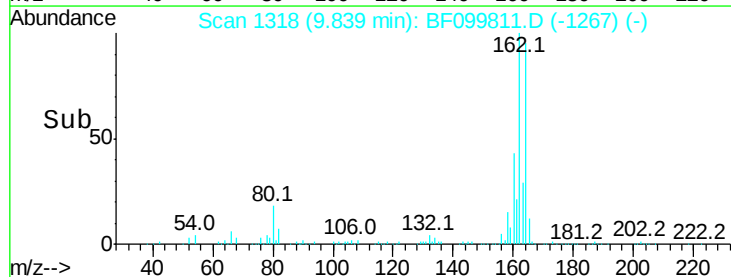
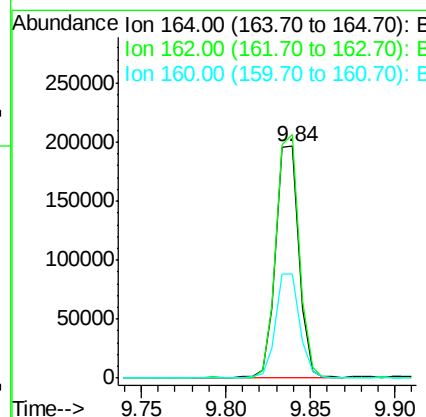
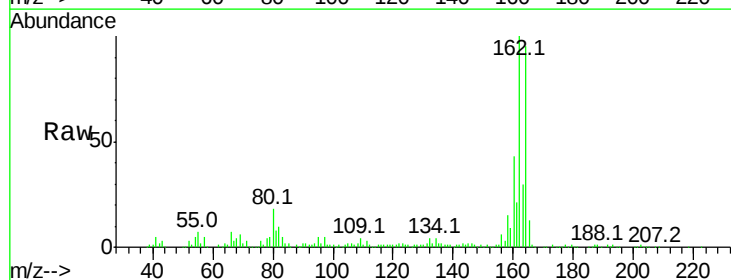
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: BF099811.D
 Acq: 25 Oct 2017 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	185102		
162	105.0		86.1	129.1
160	44.8		38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 74.187 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.01 min

Lab File: BF099811.D

Acq: 25 Oct 2017 14:14

Instrument :

BNA_F

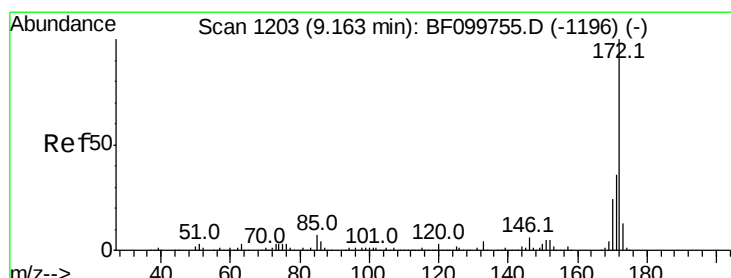
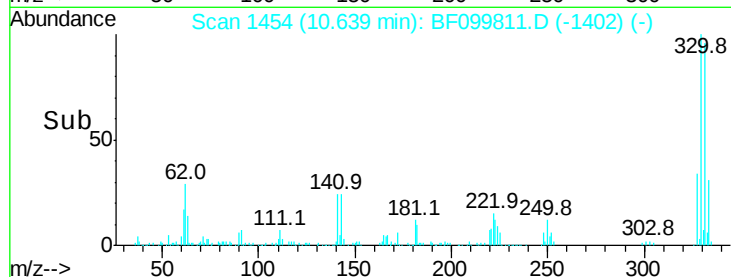
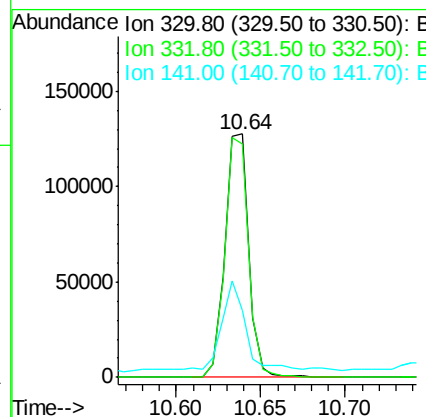
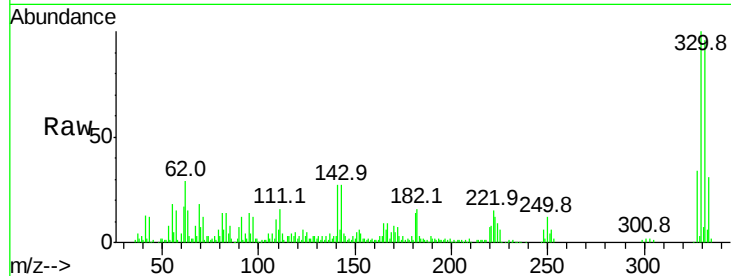
ClientSampled :

SB-06

Tot Ion:	330	Resp:	125143
Ion Ratio	Lower	Upper	
330	100		
332	97.7	77.0	115.6
141	39.5	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 53.552 ng

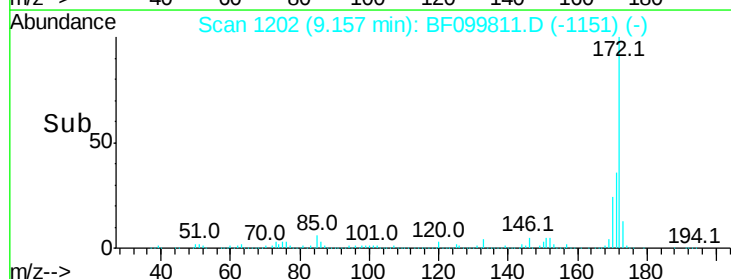
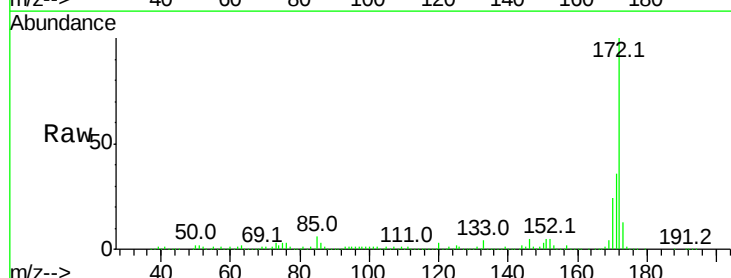
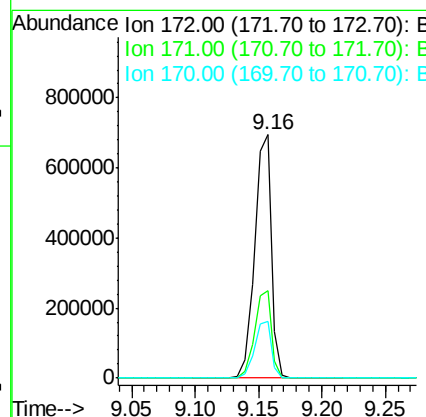
RT: 9.16 min Scan# 1202

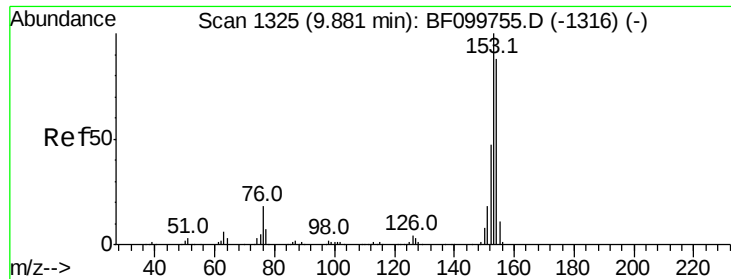
Delta R.T. -0.00 min

Lab File: BF099811.D

Acq: 25 Oct 2017 14:14

Tgt Ion:	172	Resp:	642488
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.7	44.5
170	23.5	19.6	29.4





#51

Acenaphthene

Concen: 23.782 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF099811.D

Acq: 25 Oct 2017 14:14

Instrument :

BNA_F

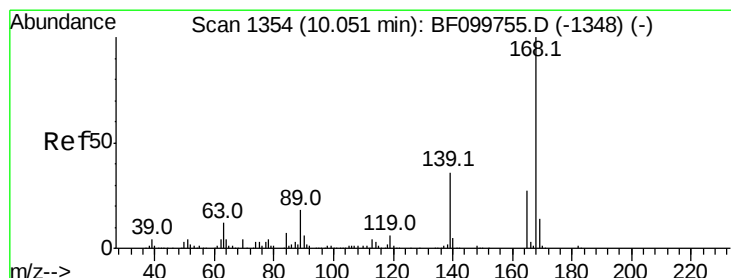
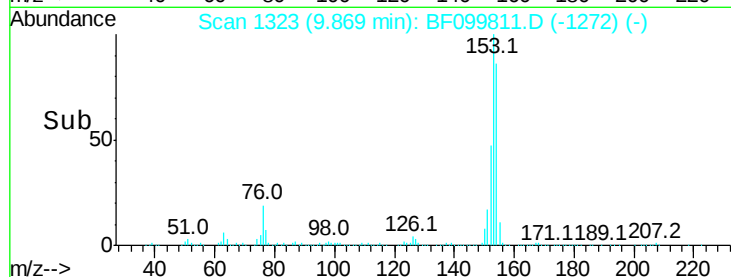
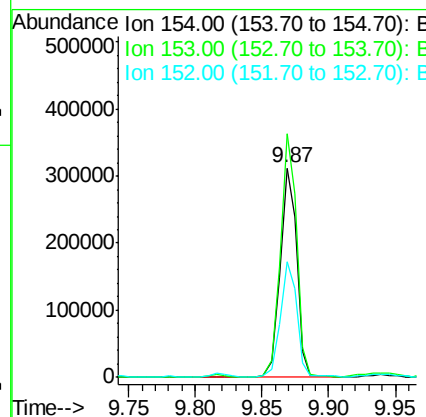
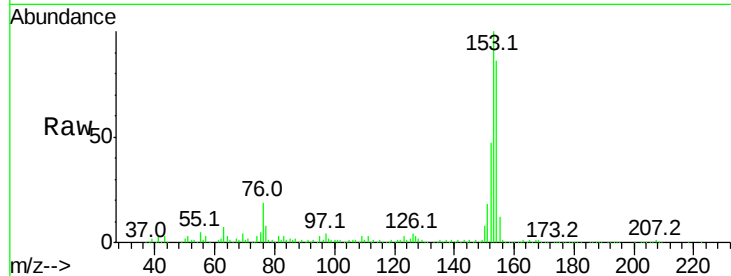
ClientSampled :

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Tot Ion:	154	Resp:	272180
Ion Ratio	Lower	Upper	
154	100		
153	116.4	91.2	136.8
152	55.0	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 2.245 ng

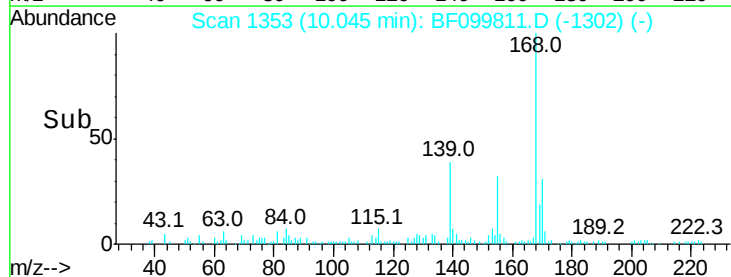
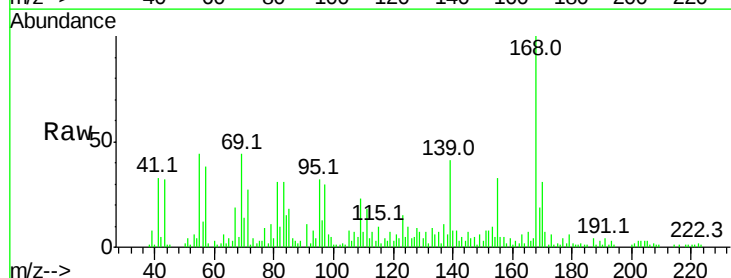
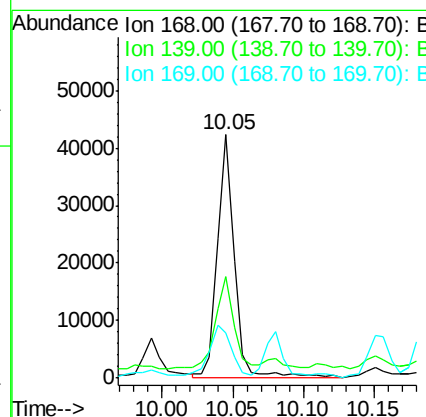
RT: 10.05 min Scan# 1353

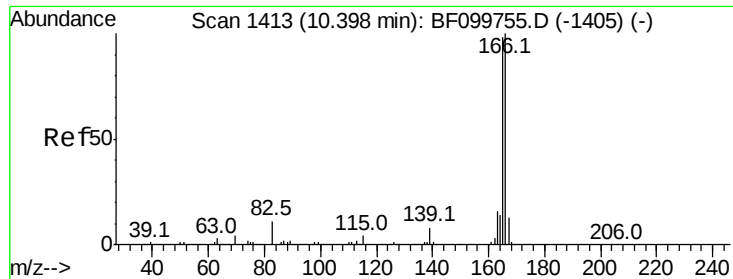
Delta R.T. 0.00 min

Lab File: BF099811.D

Acq: 25 Oct 2017 14:14

Tgt Ion:	168	Resp:	36260
Ion Ratio	Lower	Upper	
168	100		
139	41.5	30.1	45.1
169	18.8	10.9	16.3#





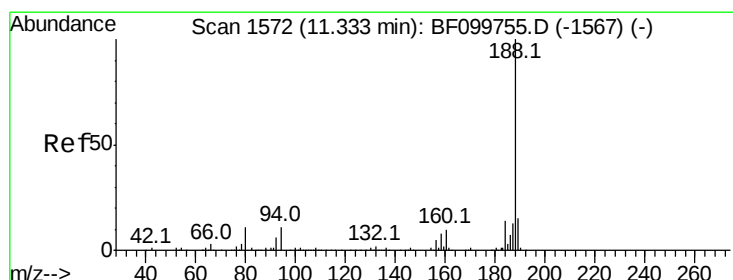
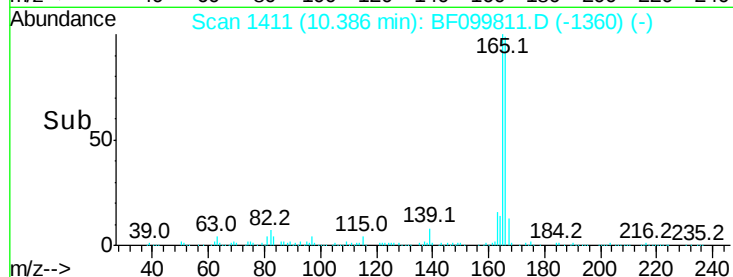
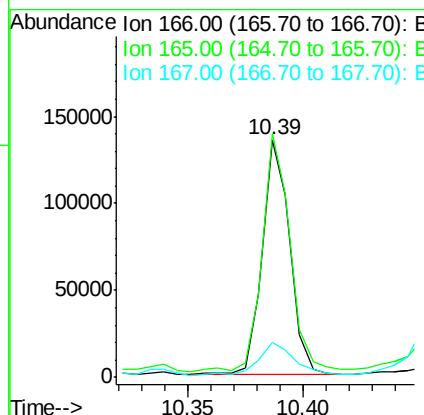
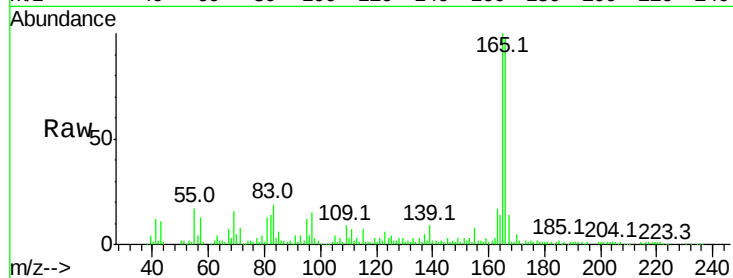
#57
 Fluorene
 Concen: 8.427 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: BF099811.D
 Acq: 25 Oct 2017 14:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-06

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.5	79.8	119.8
167	14.7	10.6	16.0

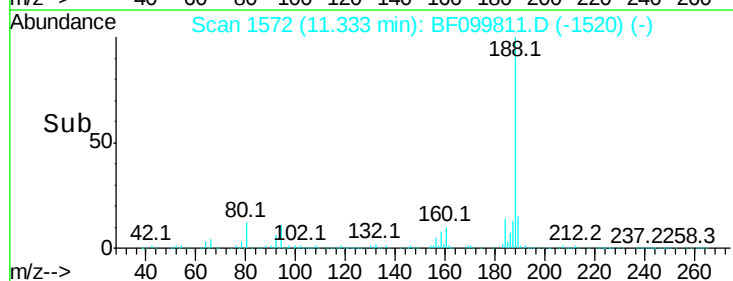
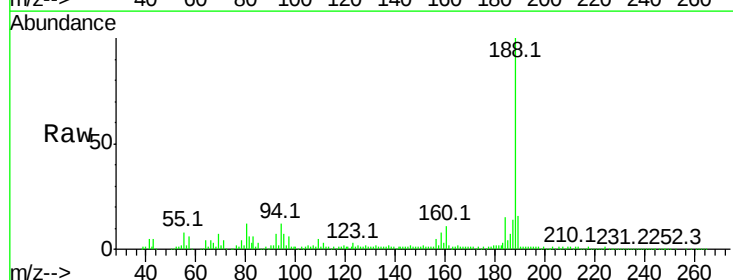
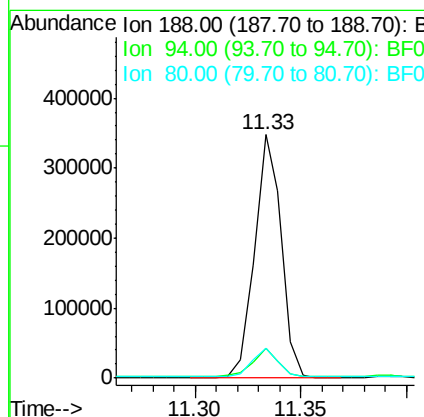
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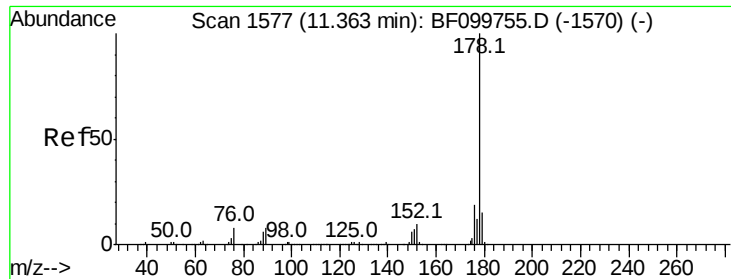
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BF099811.D
 Acq: 25 Oct 2017 14:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.0	8.5	12.7
80	12.3	9.2	13.8





#70

Phenanthrene

Concen: 18.926 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.00 min

Lab File: BF099811.D

Acq: 25 Oct 2017 14:14

Instrument :

BNA_F

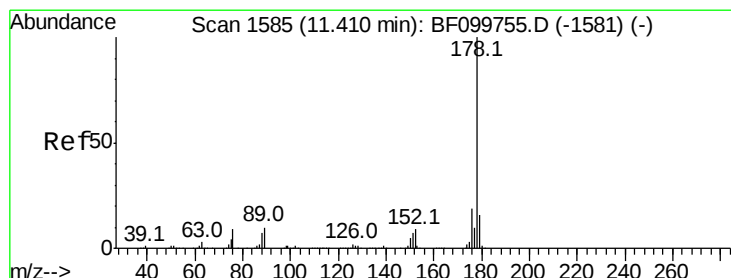
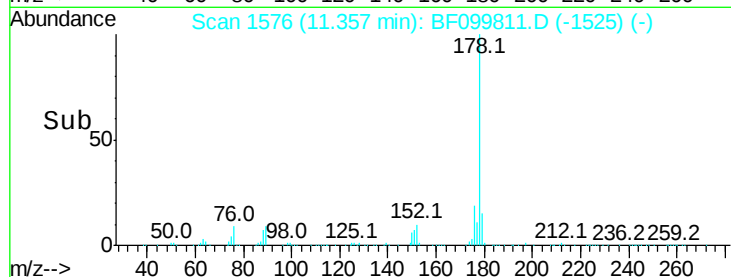
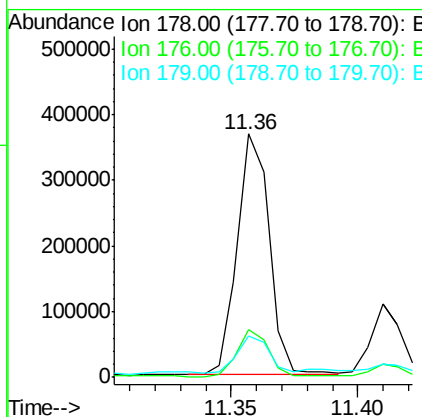
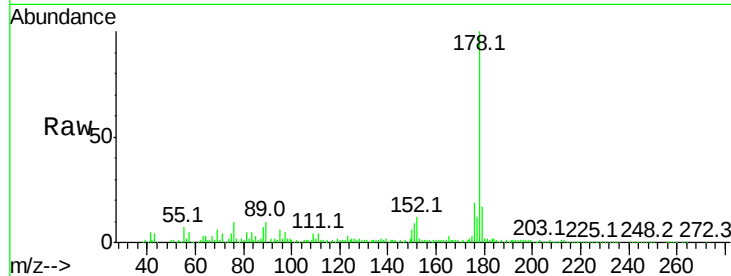
ClientSampled :

SB-06

Tot Ion:178	Resp:	322540
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.8 23.8
179	17.1	13.0 19.6

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#71

Anthracene

Concen: 4.960 ng

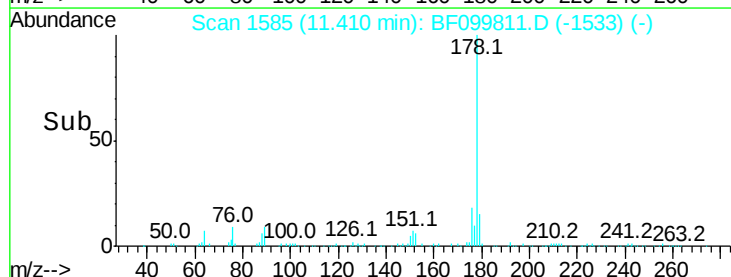
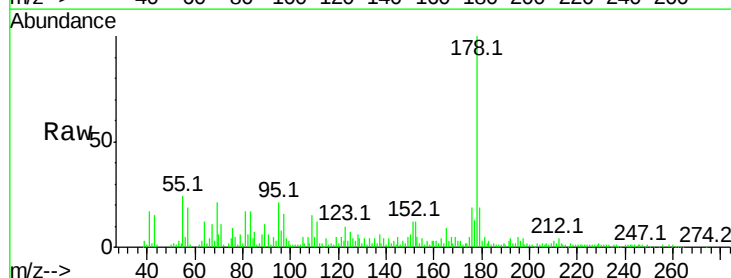
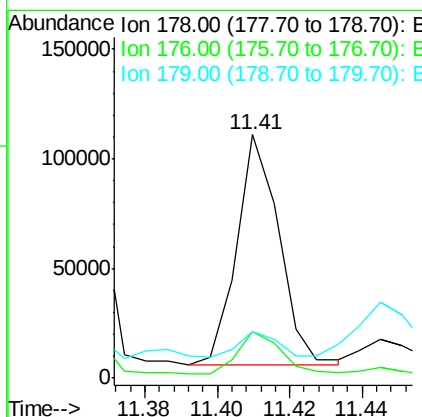
RT: 11.41 min Scan# 1585

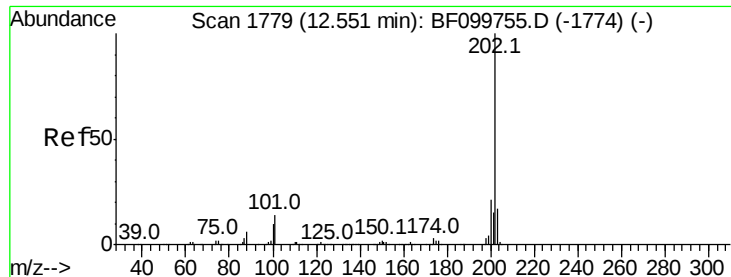
Delta R.T. 0.01 min

Lab File: BF099811.D

Acq: 25 Oct 2017 14:14

Tgt Ion:178	Resp:	85801
Ion Ratio	Lower	Upper
178	100	
176	18.9	15.4 23.2
179	18.9	12.6 19.0





#74

Fluoranthene

Concen: 25.088 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF099811.D

Acq: 25 Oct 2017 14:14

Instrument :

BNA_F

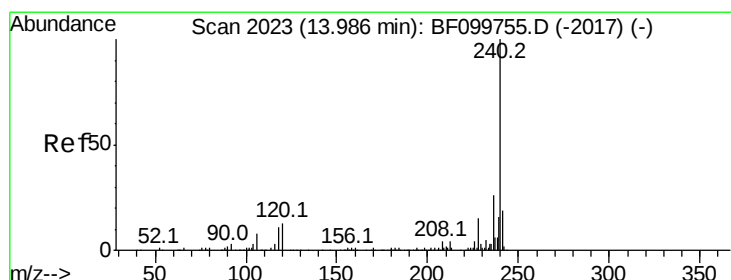
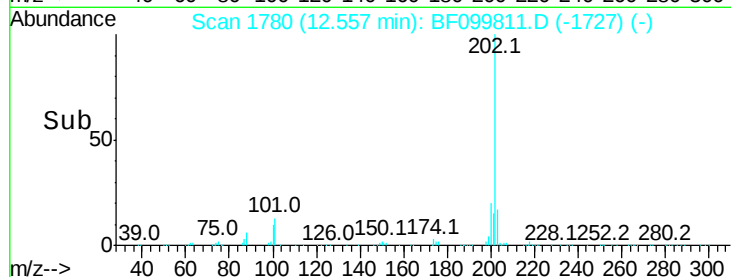
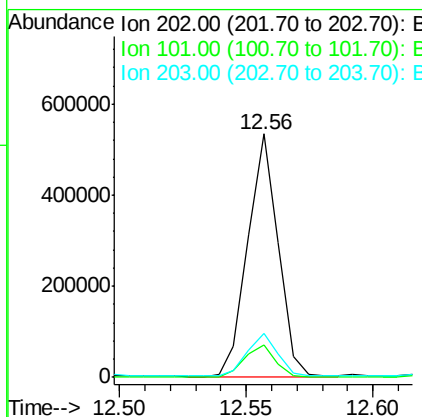
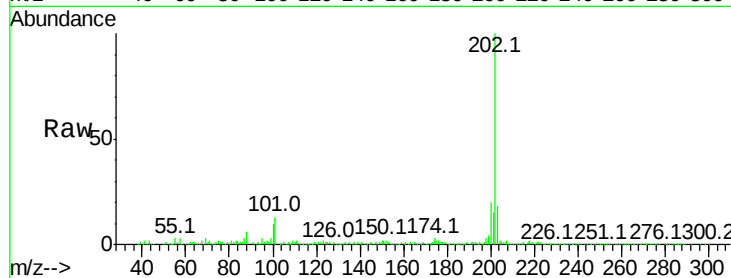
ClientSampled :

SB-06

Tot Ion:	202	Resp:	444316
Ion Ratio		Lower	Upper
202	100		
101	13.3	0.0	34.1
203	18.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

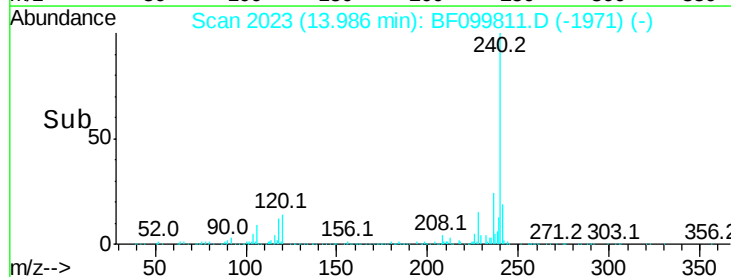
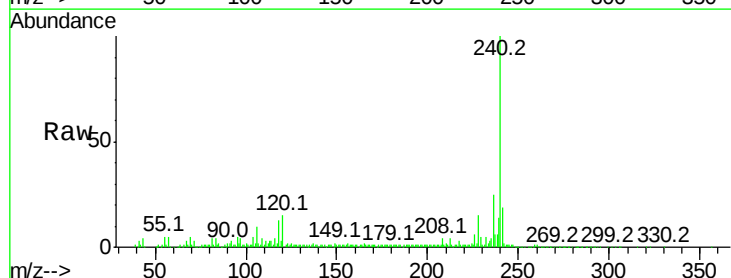
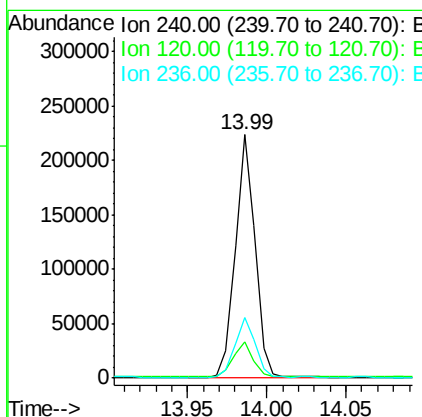
RT: 13.99 min Scan# 2023

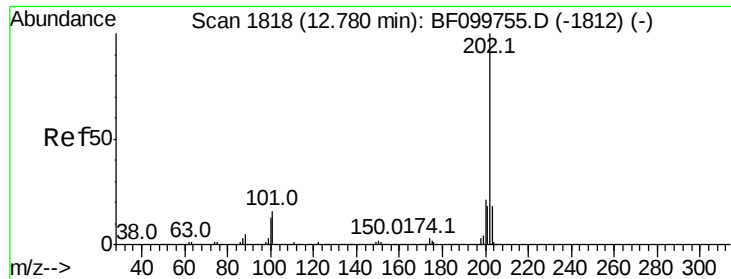
Delta R.T. 0.01 min

Lab File: BF099811.D

Acq: 25 Oct 2017 14:14

Tgt Ion:	240	Resp:	191766
Ion Ratio		Lower	Upper
240	100		
120	14.9	9.5	14.3#
236	24.7	20.7	31.1





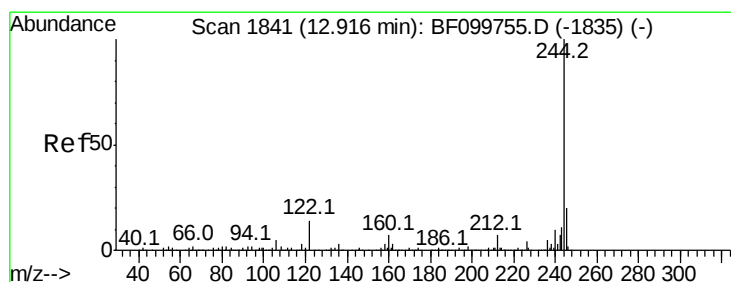
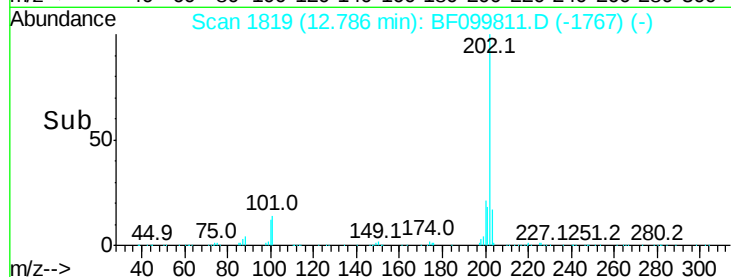
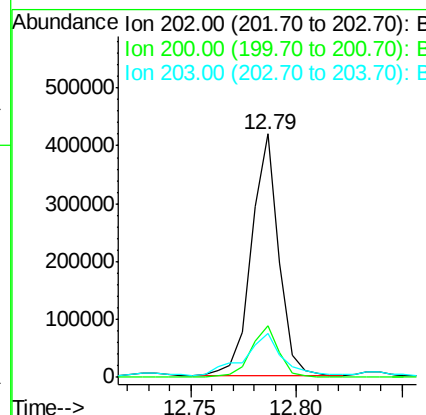
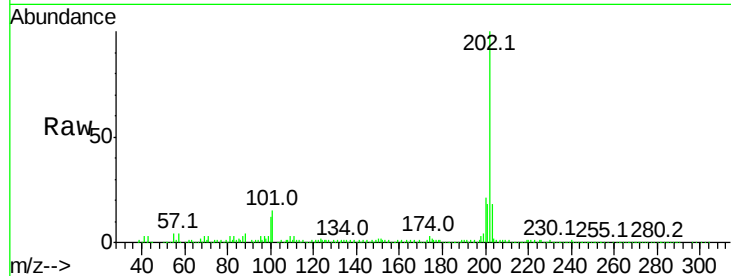
#77
Pvrene
Concen: 25.613 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BF099811.D
Acq: 25 Oct 2017 14:14

Instrument :
BNA_F
ClientSampled :
SB-06

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.8	14.3	21.5

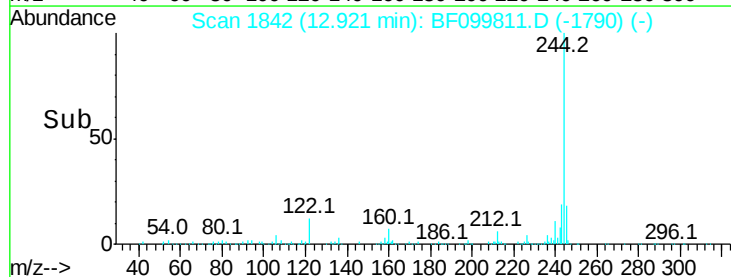
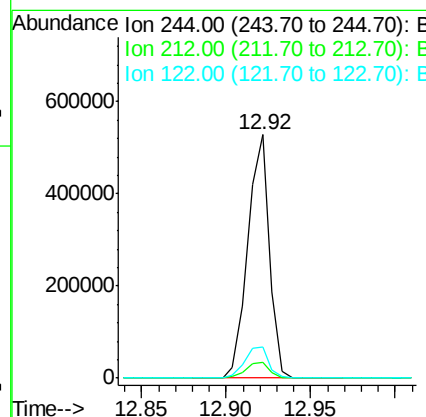
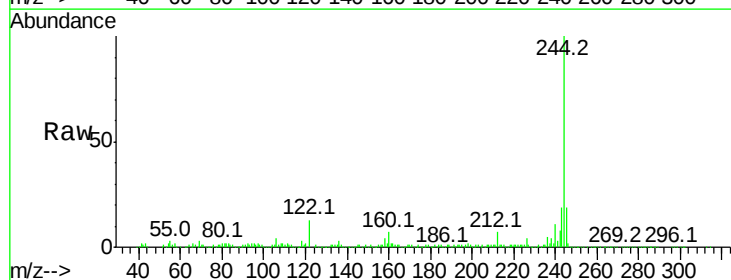
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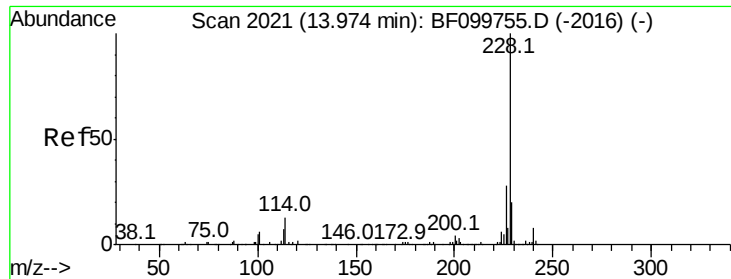
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#78
Terphenyl-d14
Concen: 53.749 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.01 min
Lab File: BF099811.D
Acq: 25 Oct 2017 14:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.6	11.0	16.4





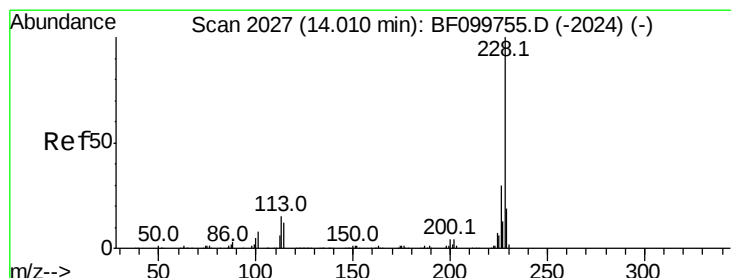
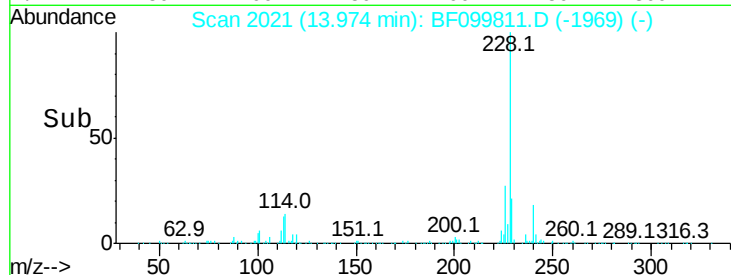
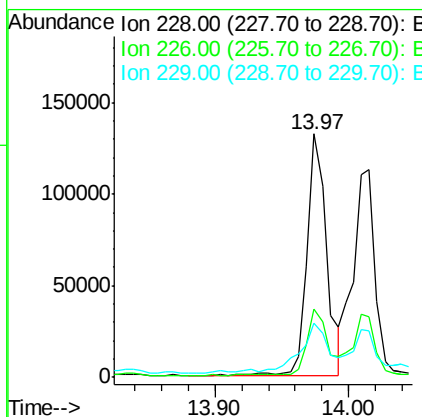
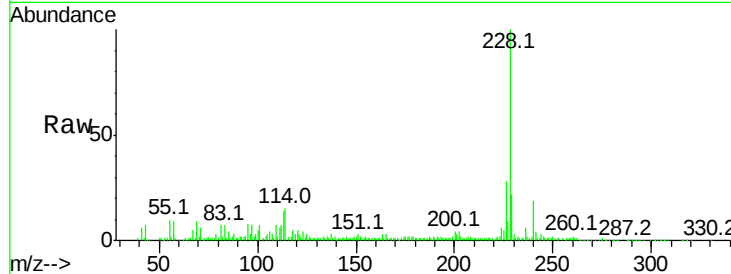
#80
Benzo(a)anthracene
Concen: 10.903 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF099811.D
Acq: 25 Oct 2017 14:14

Instrument :
BNA_F
ClientSampled :
SB-06

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	22.3	15.8	23.6

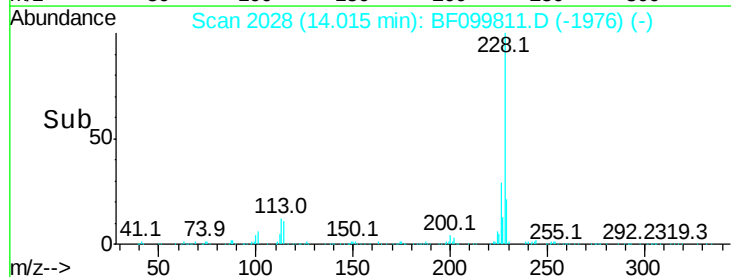
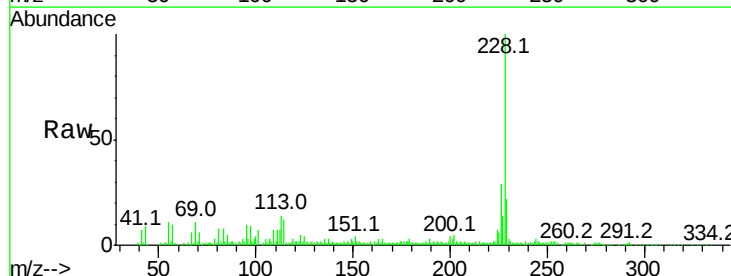
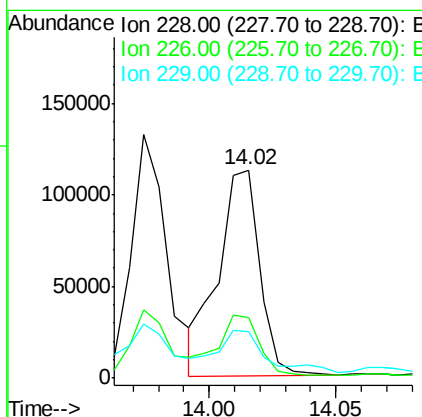
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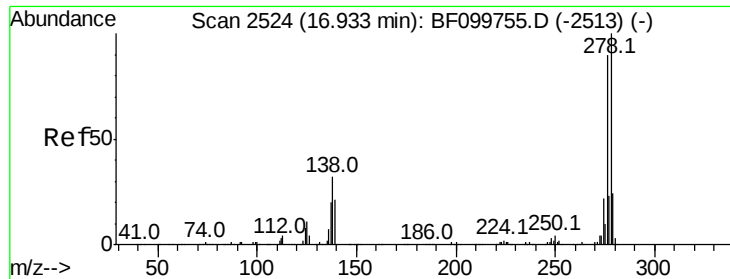
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#82
Chrysene
Concen: 11.301 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF099811.D
Acq: 25 Oct 2017 14:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	22.3	16.2	24.4





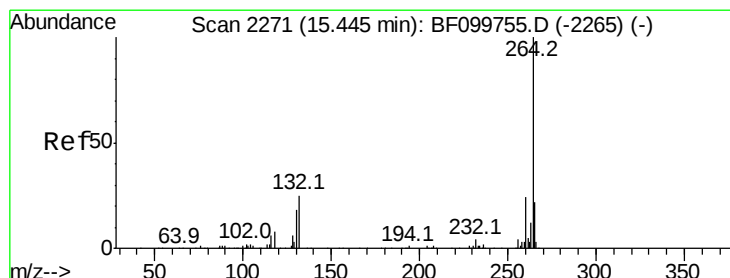
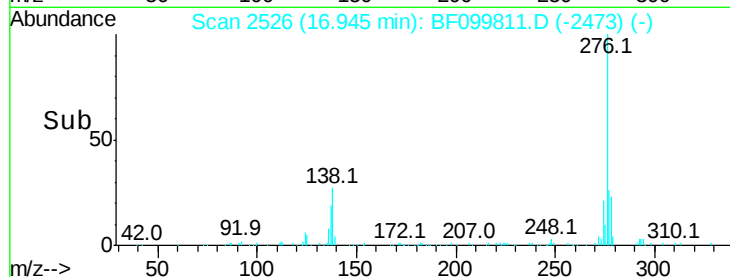
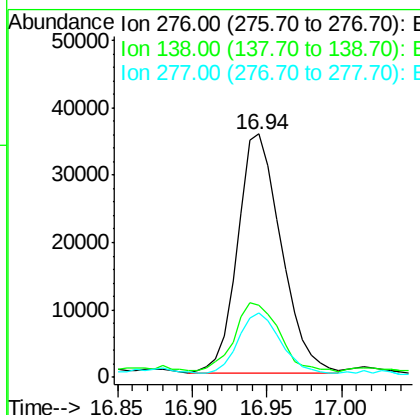
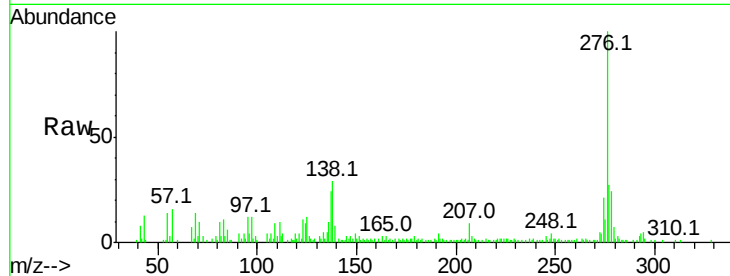
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.874 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. 0.01 min
 Lab File: BF099811.D
 Acq: 25 Oct 2017 14:14

Instrument :
 BNA_F
 ClientSampled :
 SB-06

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.2	25.0	37.6
277	24.2	20.1	30.1

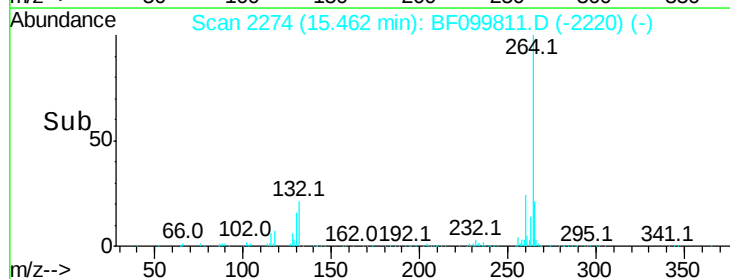
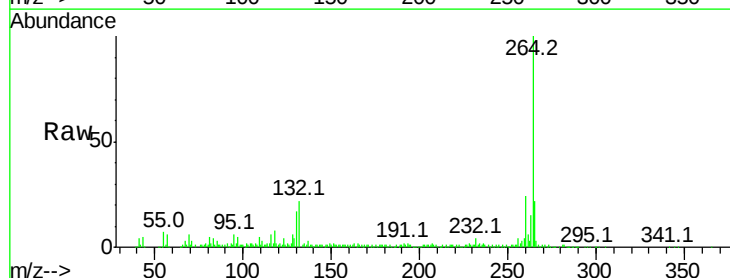
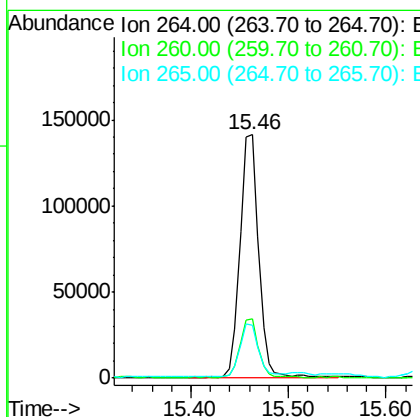
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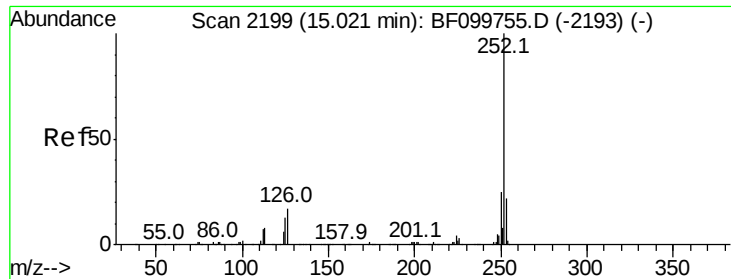
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.02 min
 Lab File: BF099811.D
 Acq: 25 Oct 2017 14:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.7	17.5	26.3





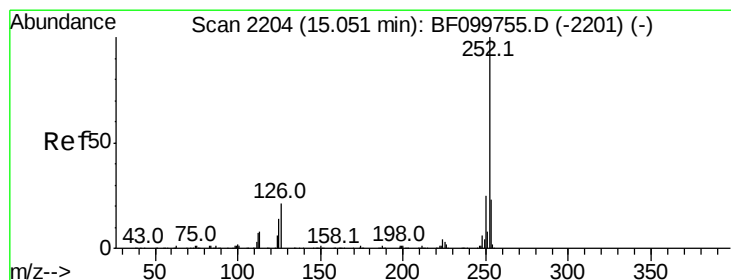
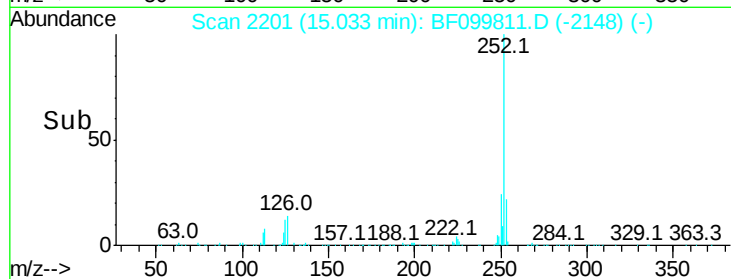
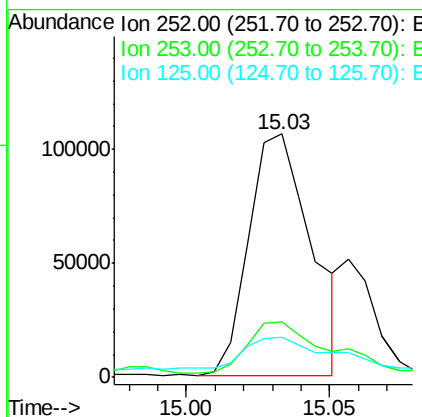
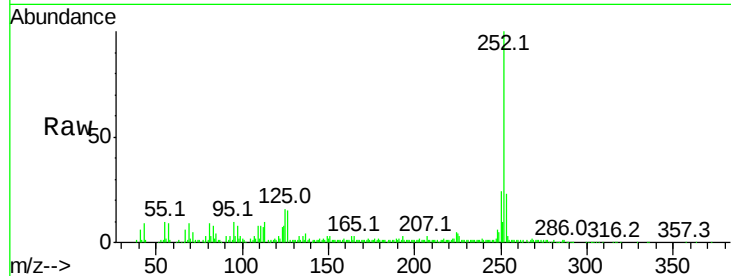
#87
Benzo(b)fluoranthene
Concen: 13.572 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF099811.D
Acq: 25 Oct 2017 14:14

Instrument :
BNA_F
ClientSampled :
SB-06

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	16.4	9.0	13.6

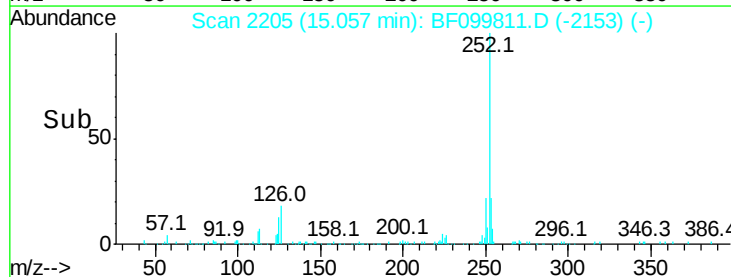
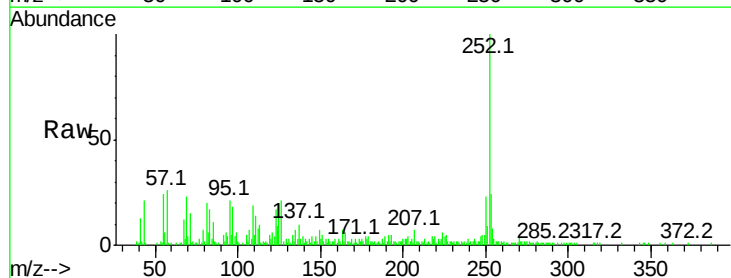
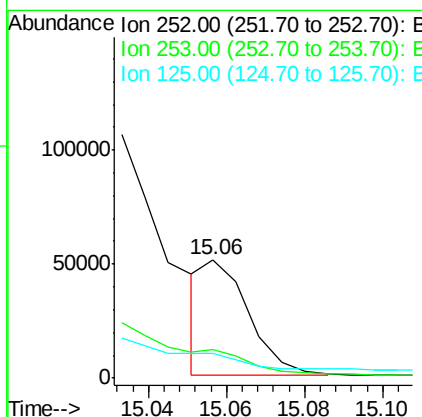
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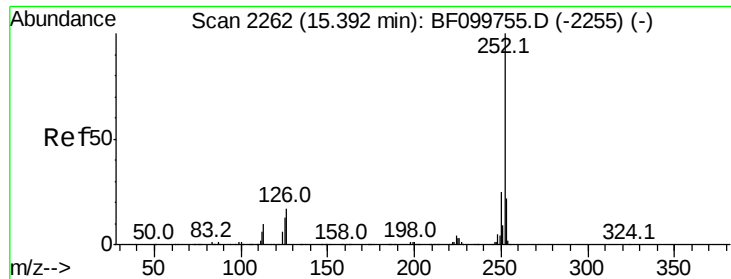
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#88
Benzo(k)fluoranthene
Concen: 3.654 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099811.D
Acq: 25 Oct 2017 14:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	20.4	10.2	15.2





#89

Benzo(a)pyrene

Concen: 9.014 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF099811.D

Acq: 25 Oct 2017 14:14

Instrument :

BNA_F

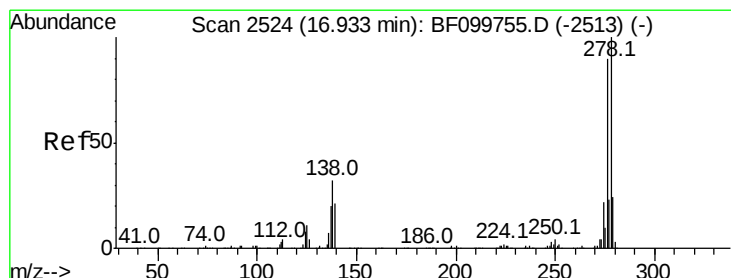
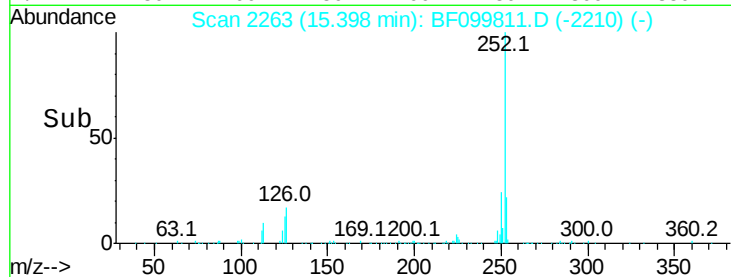
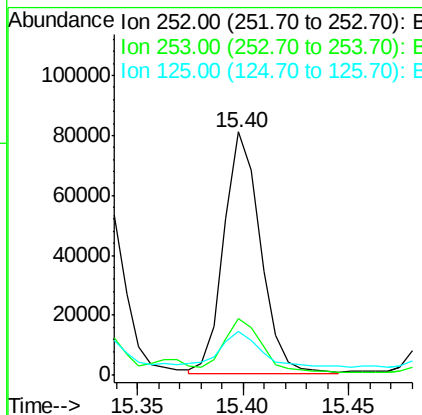
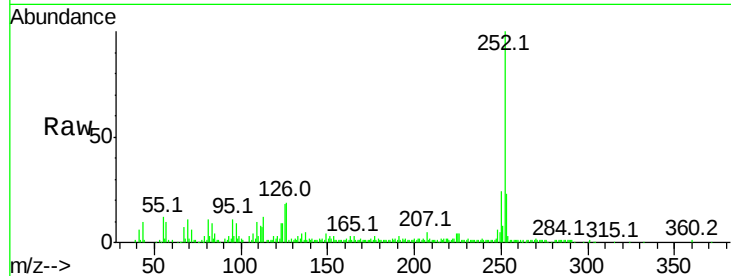
ClientSampled :

SB-06

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	17.8	9.8	14.6

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#90

Dibenzo(a,h)anthracene

Concen: 2.073 ng

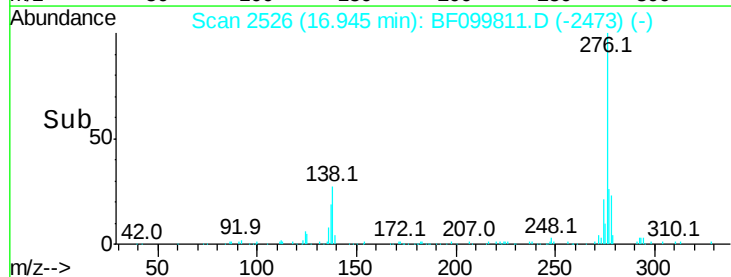
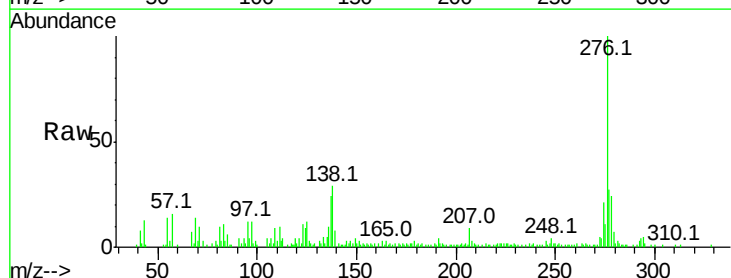
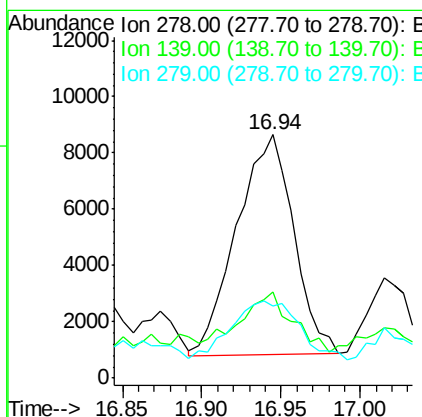
RT: 16.94 min Scan# 2526

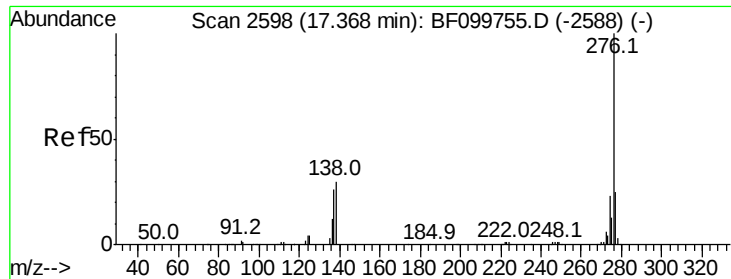
Delta R.T. 0.01 min

Lab File: BF099811.D

Acq: 25 Oct 2017 14:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	35.3	15.9	23.9
279	29.5	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.384 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.02 min
 Lab File: BF099811.D
 Acq: 25 Oct 2017 14:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-06

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.9	26.9
138	27.4	21.8	32.8

Manual Integrations
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