

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099405.D
 Acq On : 12 Oct 2017 20:04
 Operator : SJ/JU
 Sample : I5729-02 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1E-(3-4)

Manual Integrations
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Quant Time: Oct 13 02:29:57 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	119554	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	466981	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	193223	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	283232	20.00	ng	0.00
75) Chrysene-d12	14.02	240	228283	20.00	ng	0.00
86) Perylene-d12	15.49	264	199455	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	413239	55.02	ng	0.00
7) Phenol-d6	6.48	99	489843	52.87	ng	0.00
23) Nitrobenzene-d5	7.42	82	279020	38.32	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	74476	47.10	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	540070	46.66	ng	0.00
78) Terphenyl-d14	12.96	244	350103	34.88	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.60	163	61439	4.213	ng	99
51) Acenaphthene	9.92	154	24271	2.007	ng	99
57) Fluorene	10.43	166	34556	2.671	ng	96
70) Phenanthrene	11.40	178	457036	30.146	ng	99
71) Anthracene	11.45	178	104741	6.752	ng	97
72) Carbazole	11.61	167	64581	4.251	ng	96
74) Fluoranthene	12.59	202	669047	43.581	ng	99
77) Pyrene	12.82	202	553864	31.818	ng	100
80) Benzo(a)anthracene	14.00	228	254048	18.378	ng	99
82) Chrysene	14.04	228	234349	17.807	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	92297	8.767	ng	100
87) Benzo(b)fluoranthene	15.06	252	357187	29.126	ng	# 94
88) Benzo(k)fluoranthene	15.08	252	92379m	7.627	ng	
89) Benzo(a)pyrene	15.43	252	170019	15.104	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	22251m	2.470	ng	
91) Benzo(g,h,i)perylene	17.42	276	90931	10.211	ng	94

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

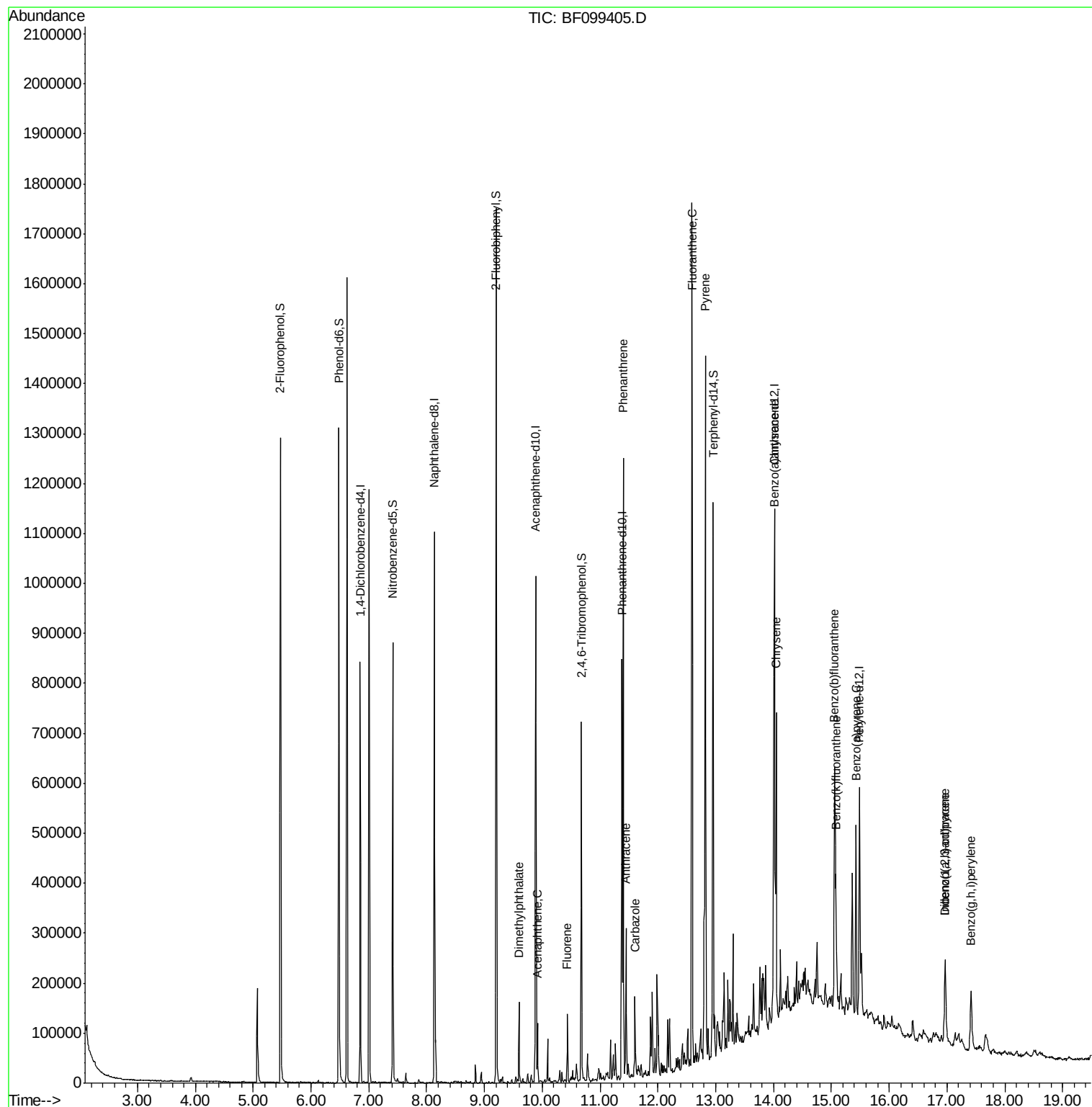
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
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ALS Vial : 10 Sample Multiplier: 1

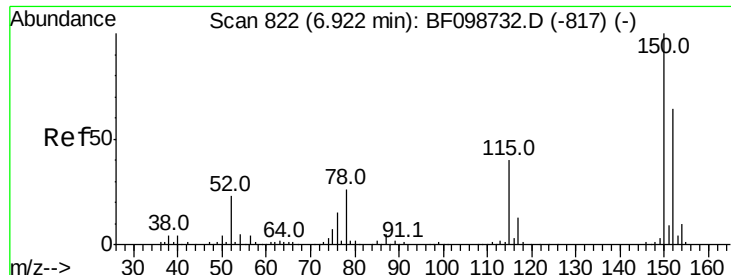
Instrument :
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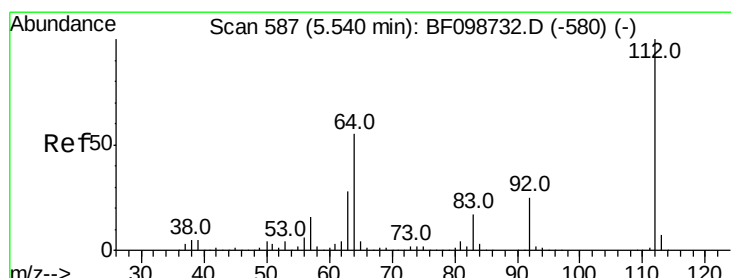
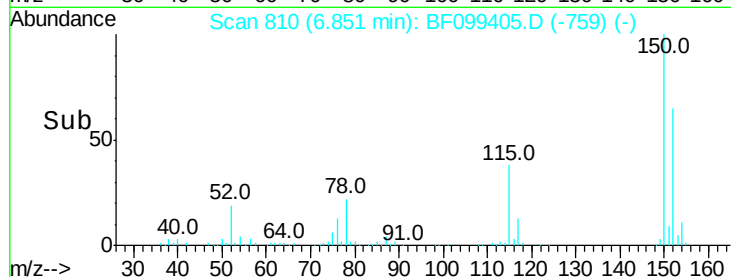
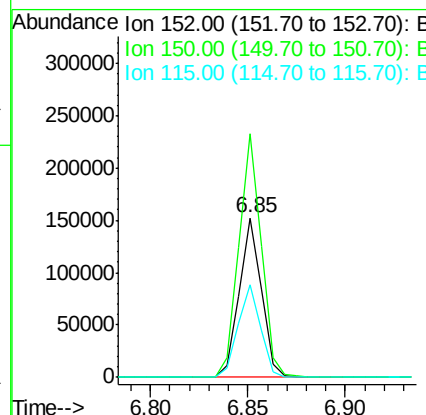
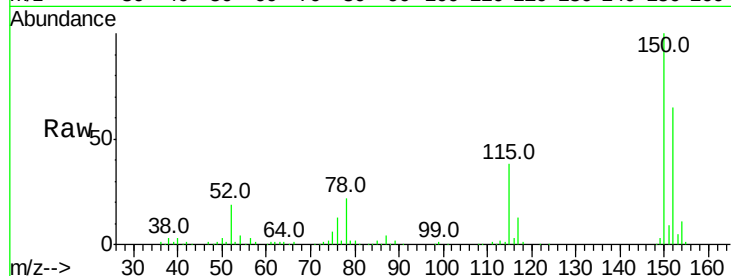
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF099405.D
 Acq: 12 Oct 2017 20:04

Instrument :
 BNA_F
 ClientSampleId :
 1E-(3-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.6	186.8
115	58.4	50.1	75.1

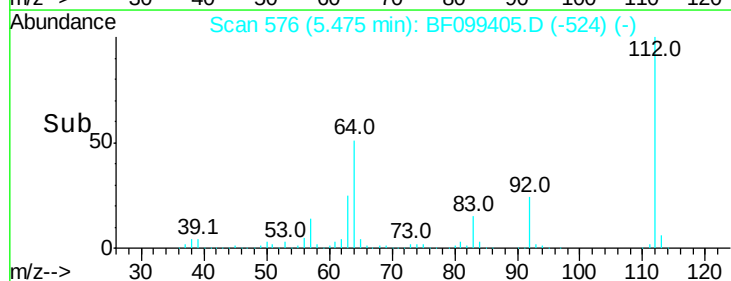
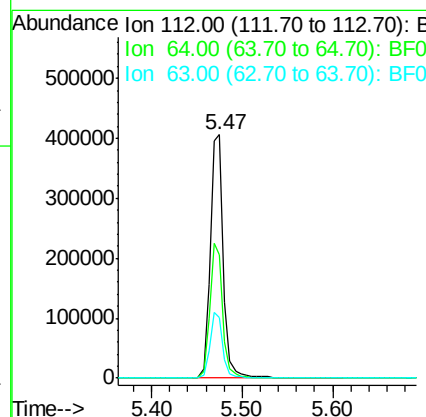
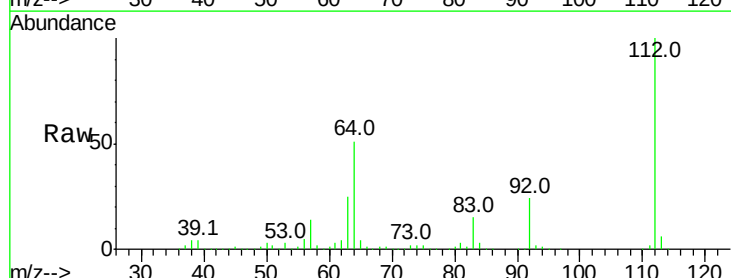
Manual Integrations
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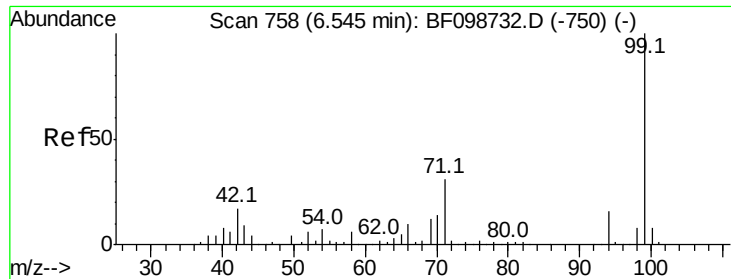
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#5
 2-Fluorophenol
 Concen: 55.024 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: BF099405.D
 Acq: 12 Oct 2017 20:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.8	47.9	71.9
63	24.9	23.7	35.5





#7

Phenol-d6

Concen: 52.872 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Instrument :

BNA_F

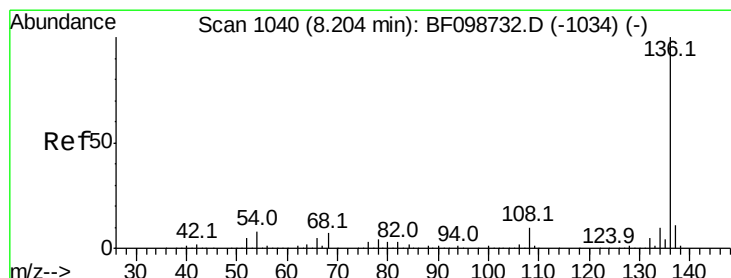
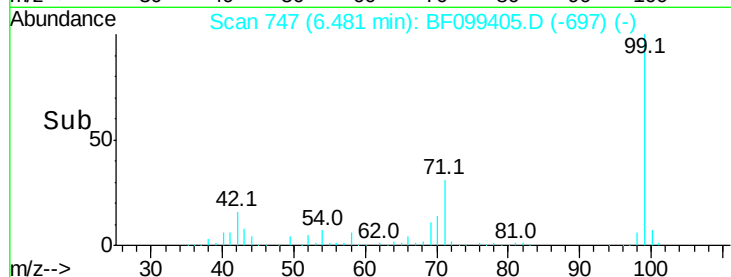
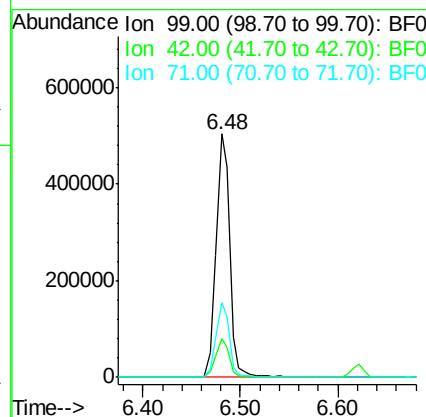
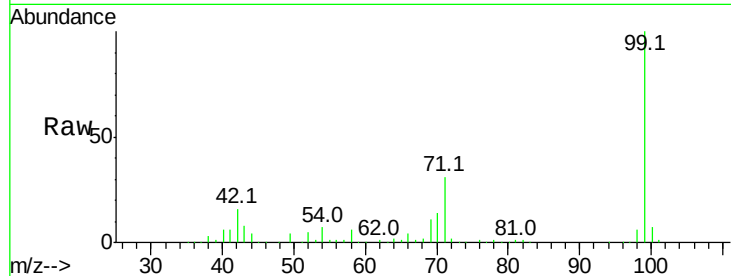
ClientSampleId :

1E-(3-4)

Tot Ion:	99	Resp:	489843
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.5	21.7
71	30.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

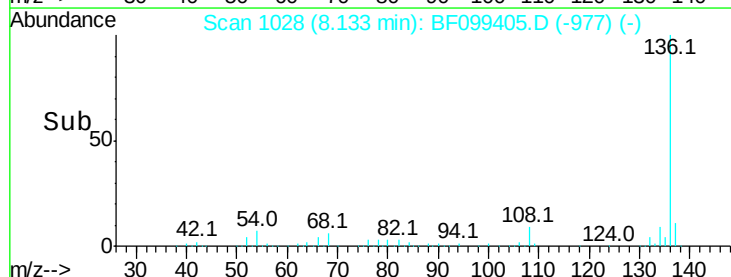
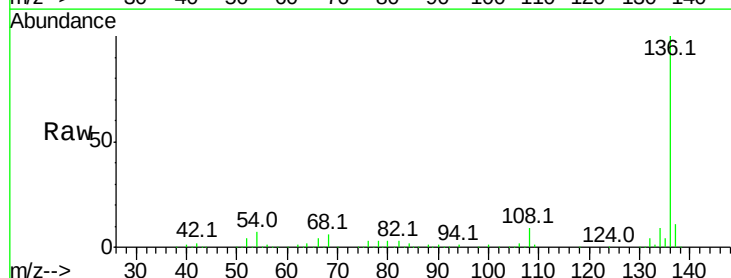
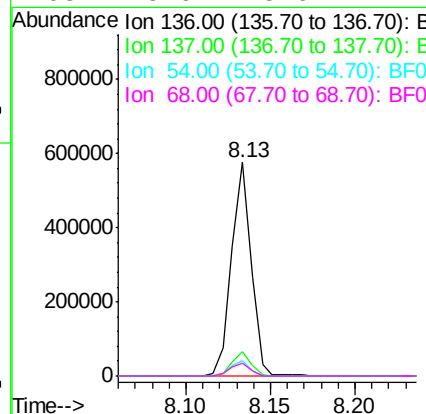
RT: 8.13 min Scan# 1028

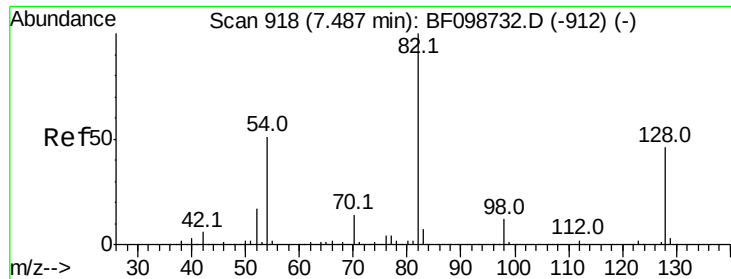
Delta R.T. -0.00 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Tgt Ion:	136	Resp:	466981
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	6.9	6.6	9.8
68	5.9	5.0	7.4





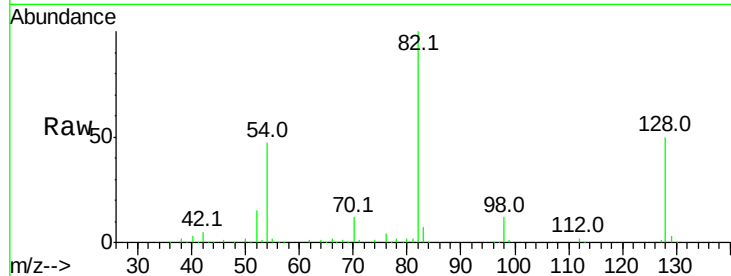
#23
Nitrobenzene-d5
Concen: 38.318 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Instrument :
BNA_F
ClientSampled :
1E-(3-4)

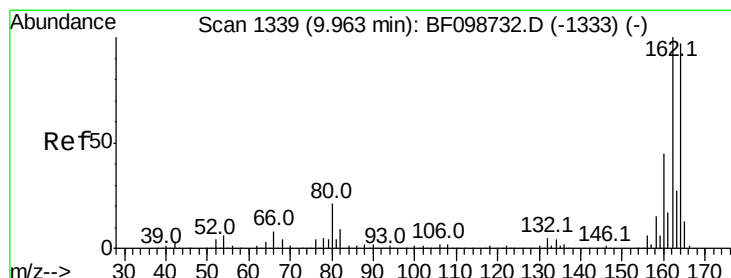
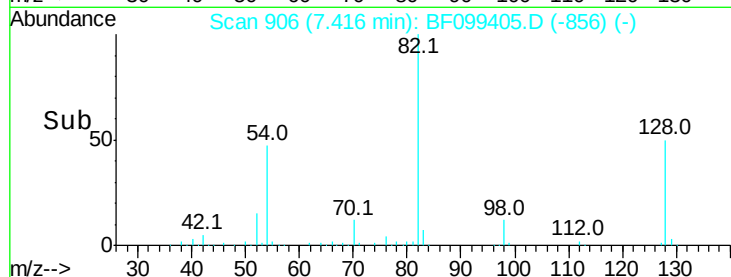
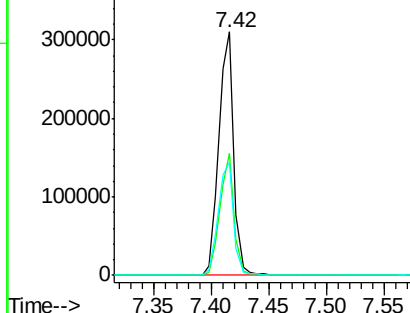
Tot Ion	Ratio	Resp	Lower	Upper
82	100	279020		
128	50.3	36.1	54.1	
54	46.5	41.4	62.2	

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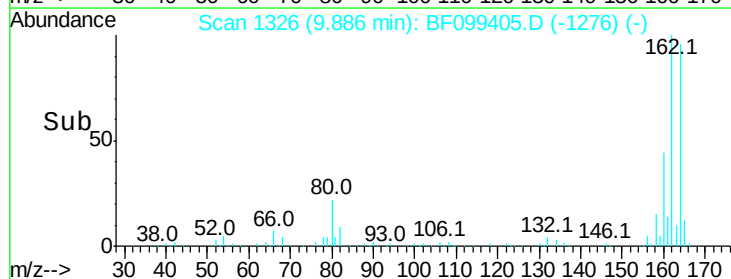
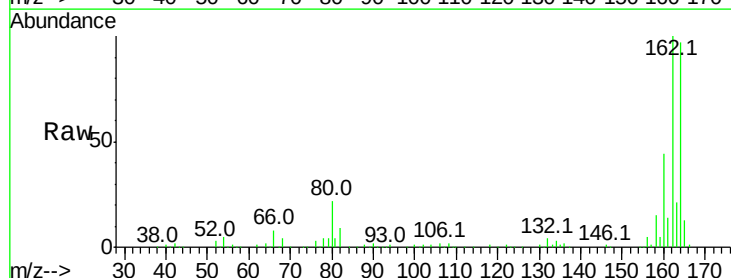
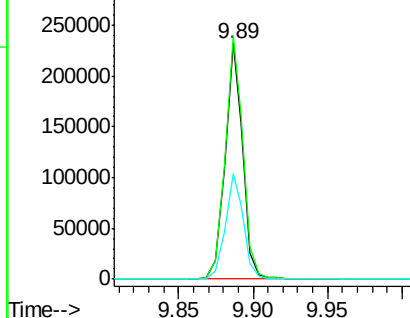
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Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

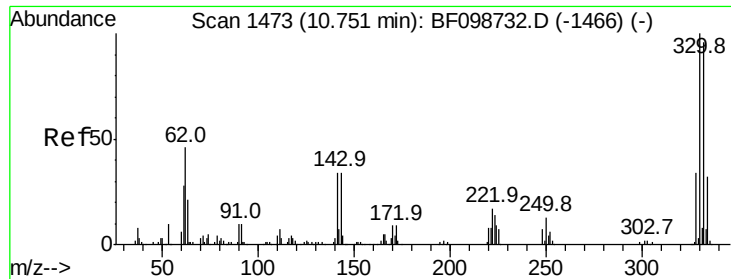


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	193223		
162	103.3	86.1	129.1	
160	45.0	38.3	57.5	

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 47.104 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Instrument :

BNA_F

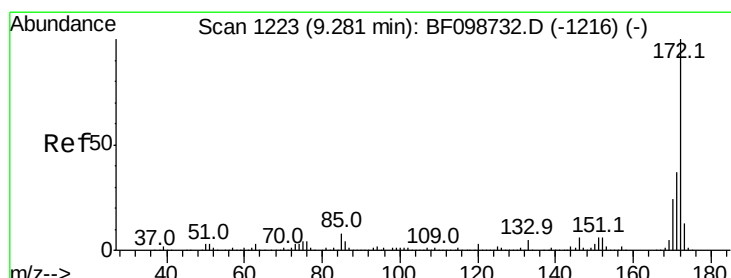
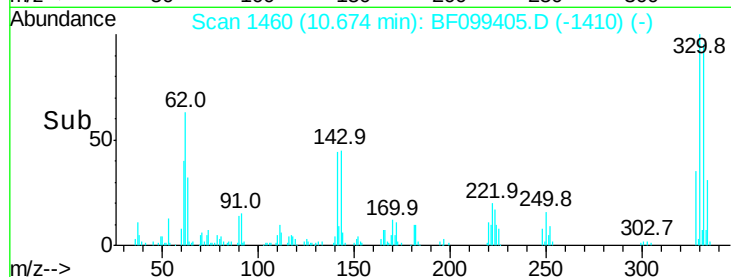
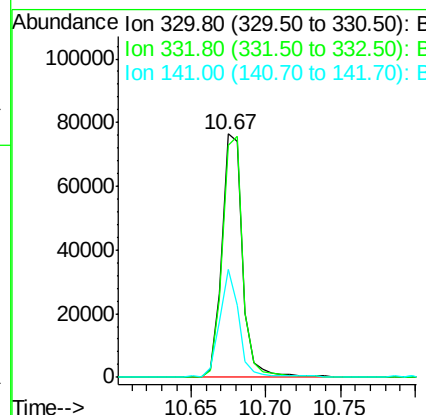
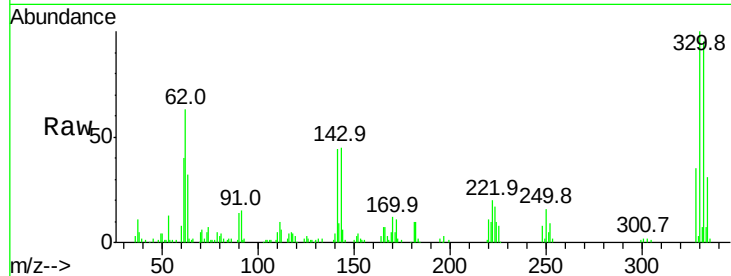
ClientSampled :

1E-(3-4)

Tot Ion:	330	Resp:	74476
Ion Ratio	Lower	Upper	
330	100		
332	98.0	77.0	115.6
141	41.4	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 46.661 ng

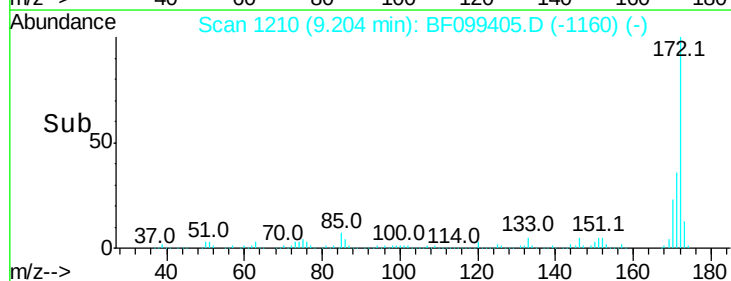
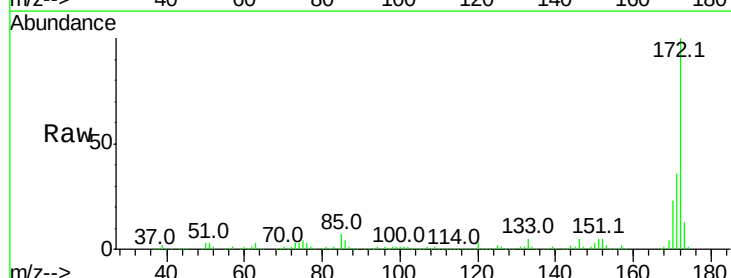
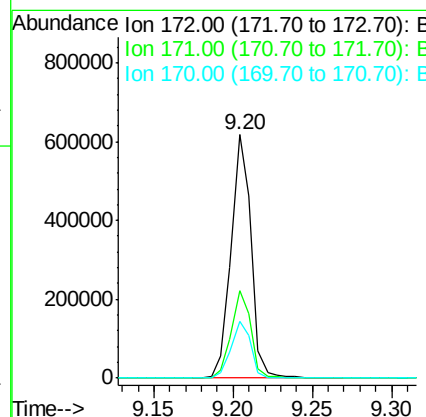
RT: 9.20 min Scan# 1210

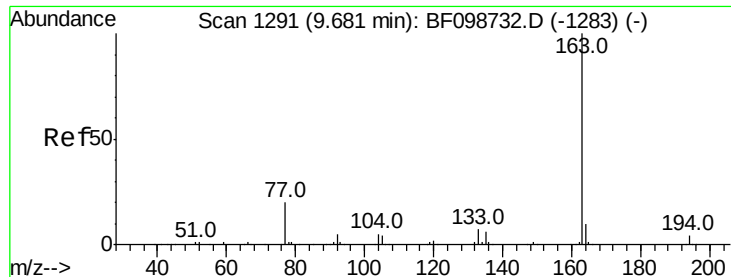
Delta R.T. -0.01 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Tgt Ion:	172	Resp:	540070
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.7	44.5
170	23.3	19.6	29.4





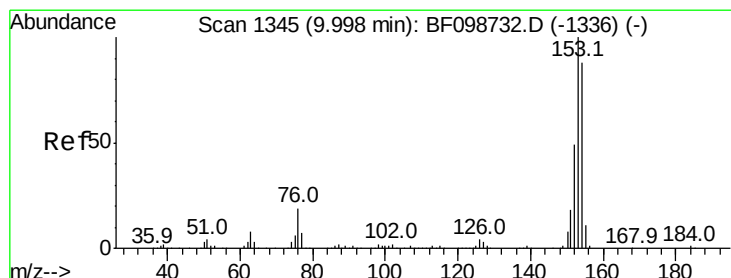
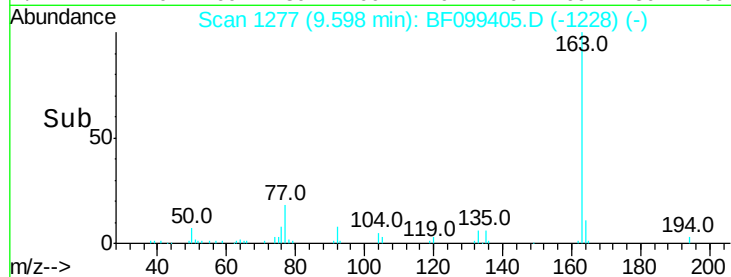
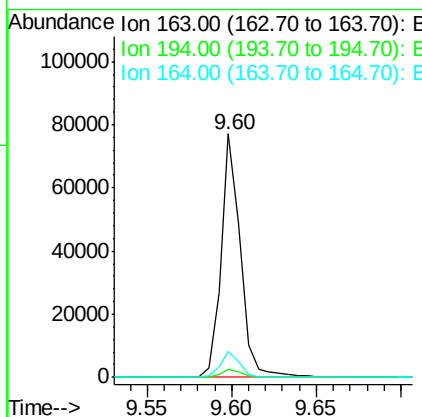
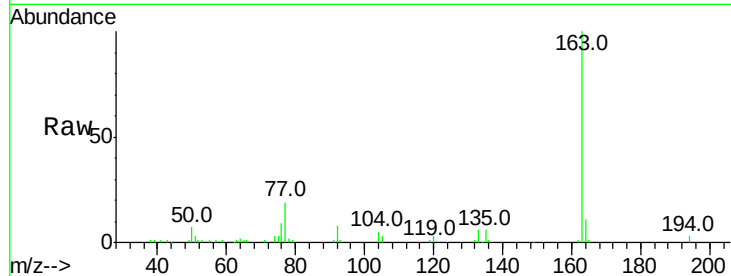
#49
Dimethylphthalate
Concen: 4.213 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Instrument :
BNA_F
ClientSampled :
1E-(3-4)

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	10.5	8.2	12.2

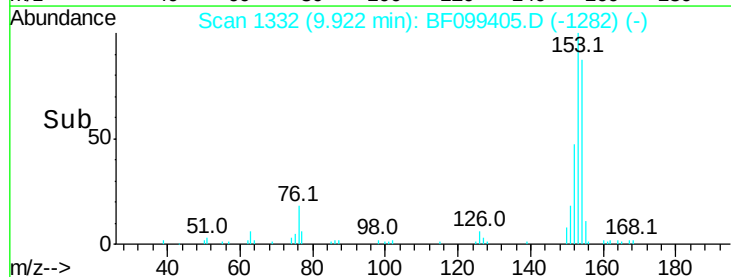
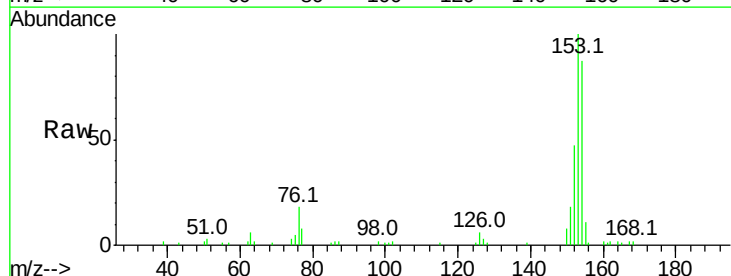
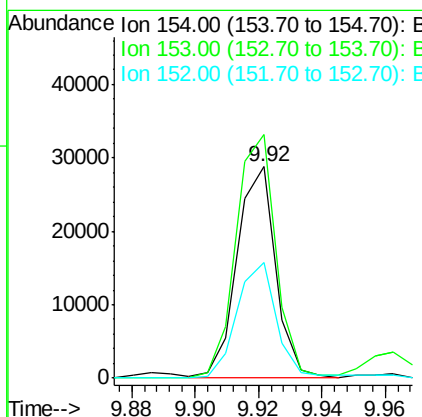
Manual Integrations
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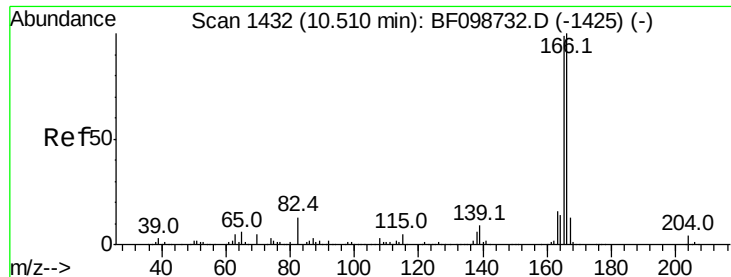
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#51
Acenaphthene
Concen: 2.007 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.3	91.2	136.8
152	54.5	43.8	65.8





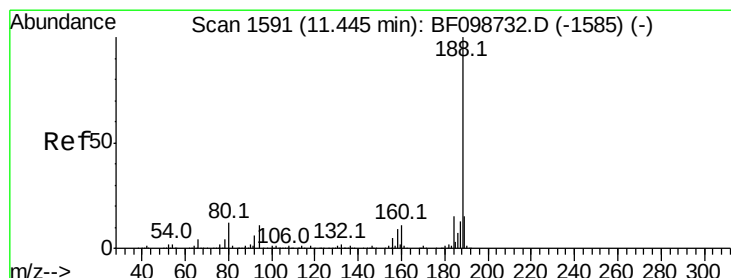
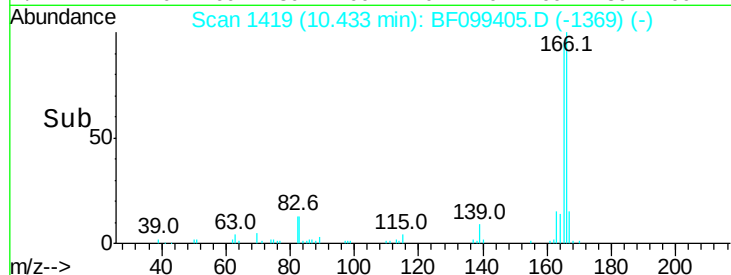
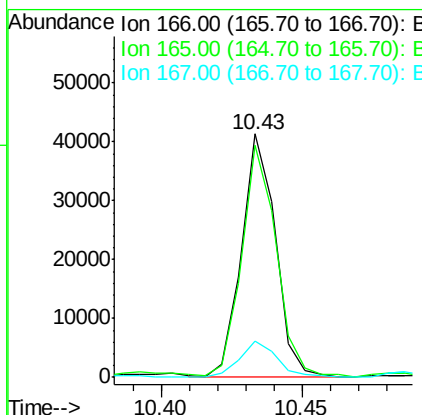
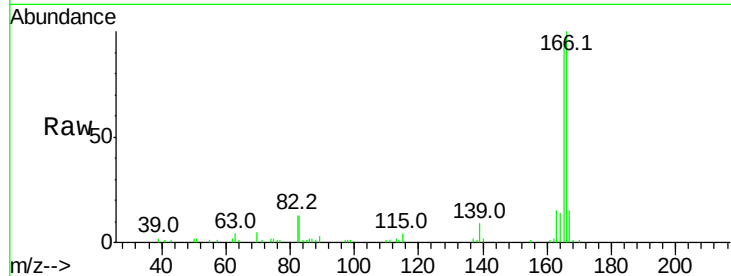
#57
 Fluorene
 Concen: 2.671 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF099405.D
 Acq: 12 Oct 2017 20:04

Instrument :
 BNA_F
 ClientSampled :
 1E-(3-4)

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.5	79.8	119.8
167	15.0	10.6	16.0

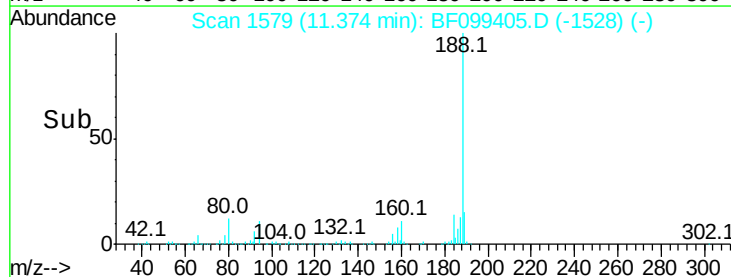
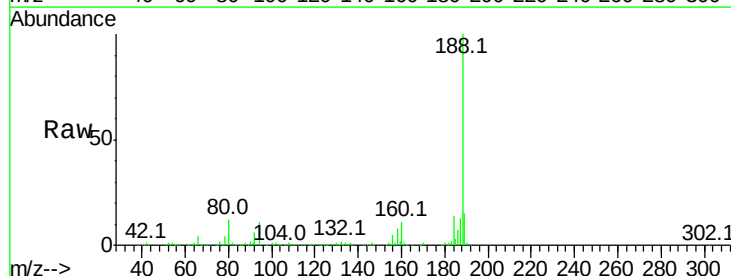
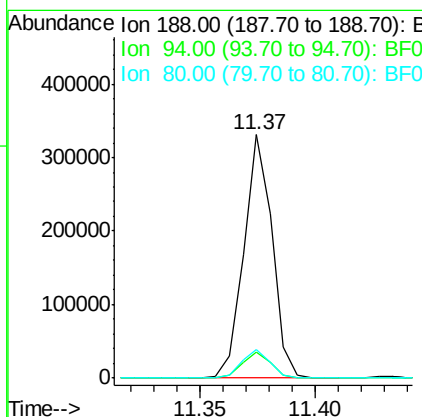
Manual Integrations
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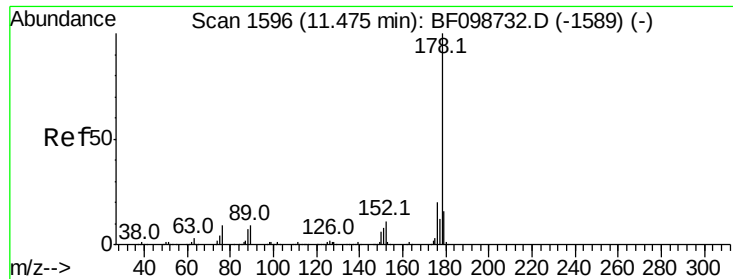
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.00 min
 Lab File: BF099405.D
 Acq: 12 Oct 2017 20:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	11.8	9.2	13.8





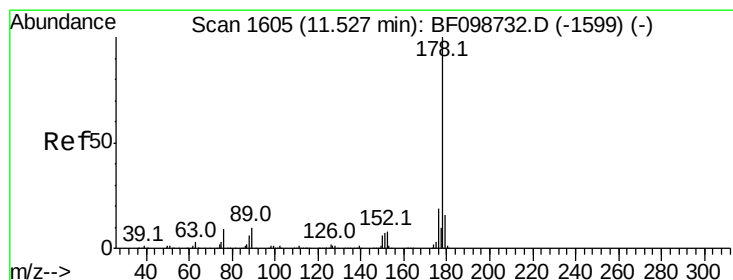
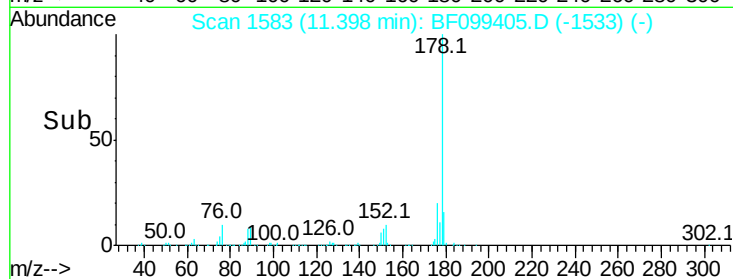
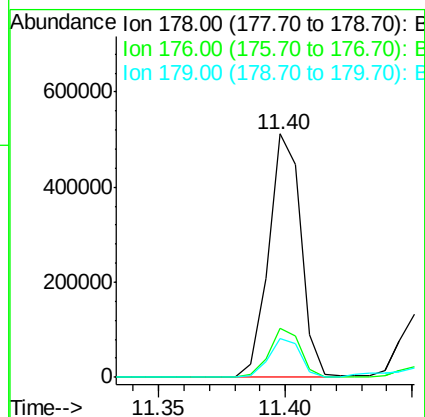
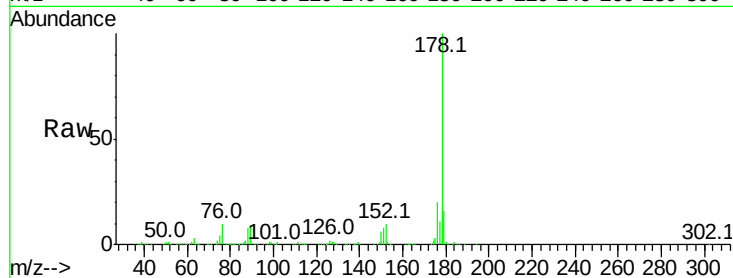
#70
Phenanthrene
Concen: 30.146 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Instrument :
BNA_F
ClientSampleId :
1E-(3-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.8	13.0	19.6

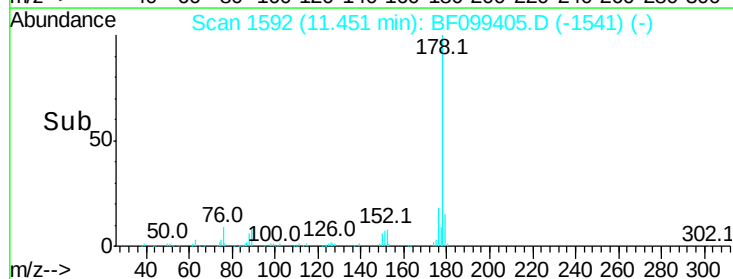
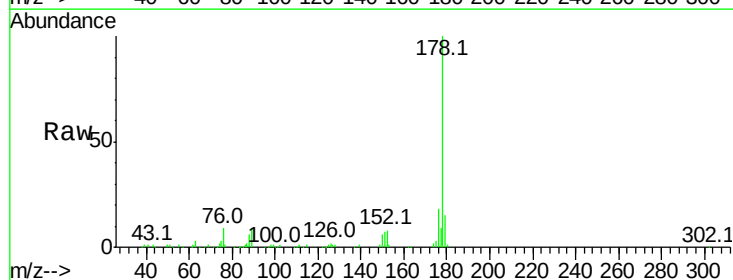
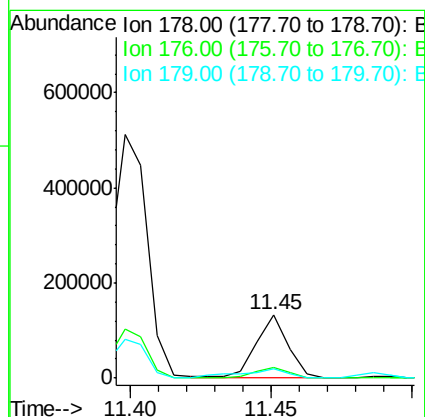
Manual Integrations
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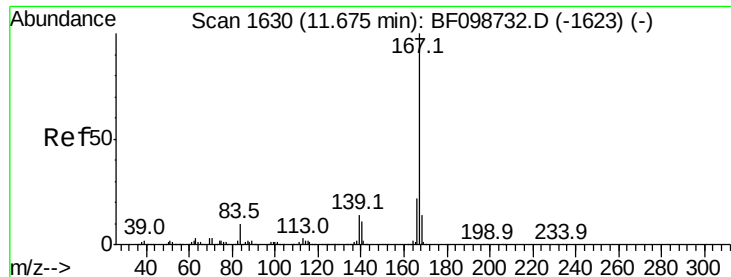
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10/13/2017 3:05:46 PM



#71
Anthracene
Concen: 6.752 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	15.4	12.6	19.0





#72

Carbazole

Concen: 4.251 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Instrument :

BNA_F

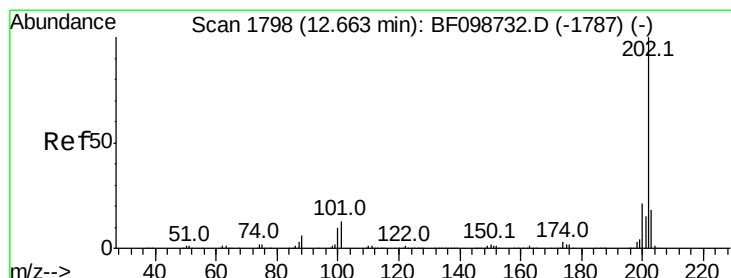
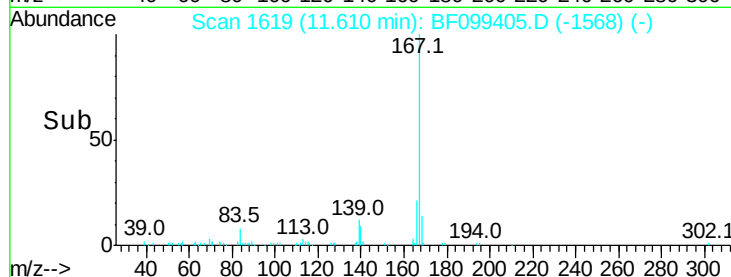
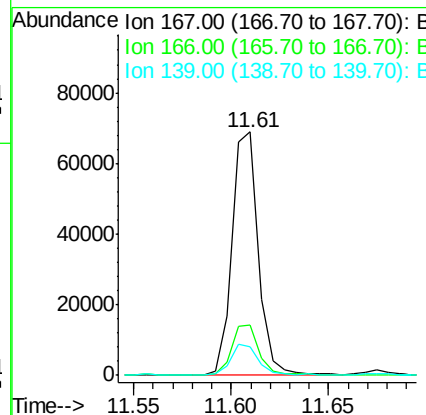
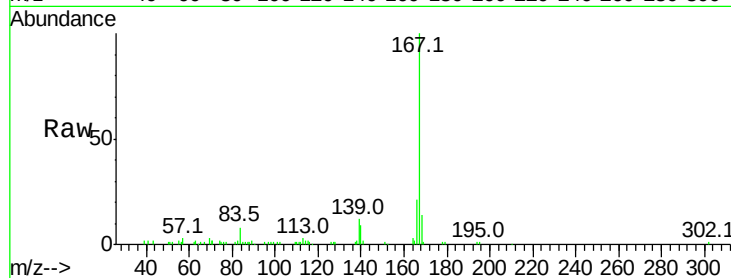
ClientSampleId :

1E-(3-4)

Tot Ion:	167	Resp:	64581
Ion Ratio	Lower	Upper	
167	100		
166	20.6	17.6	26.4
139	11.7	10.9	16.3

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#74

Fluoranthene

Concen: 43.581 ng

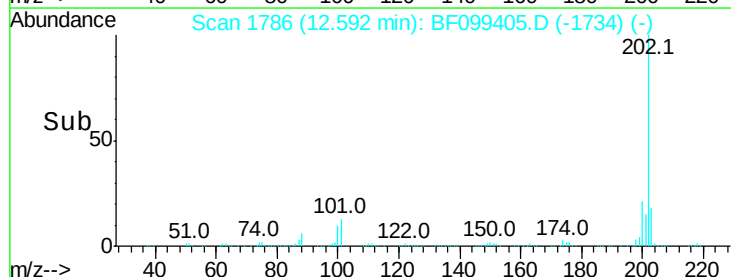
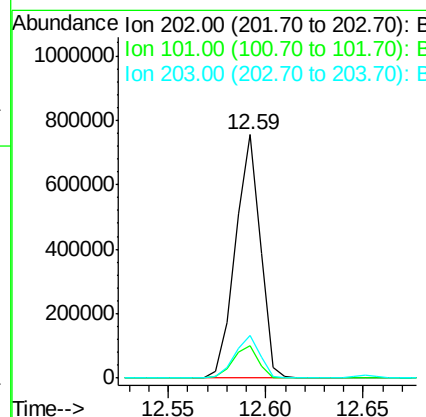
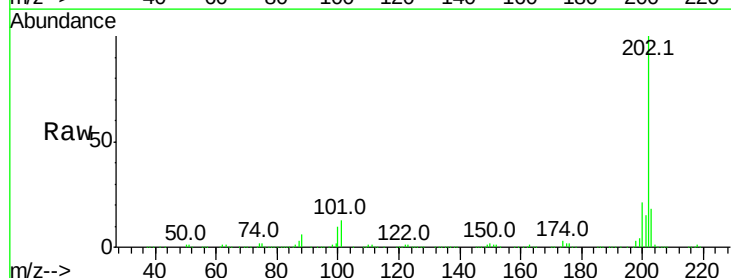
RT: 12.59 min Scan# 1786

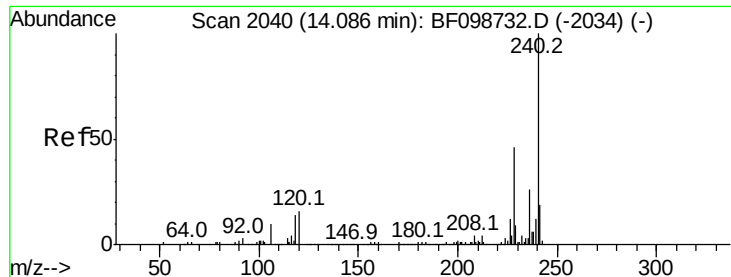
Delta R.T. 0.01 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Tgt Ion:	202	Resp:	669047
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	34.1
203	17.7	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: BF099405.D

Acq: 12 Oct 2017 20:04

Instrument :

BNA_F

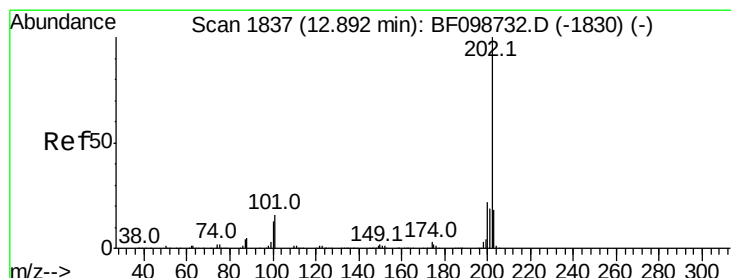
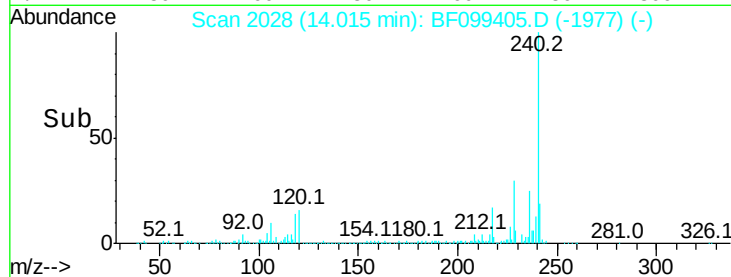
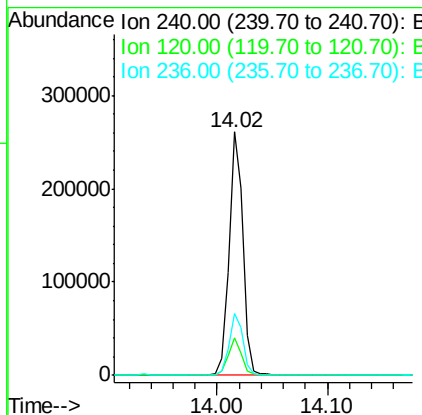
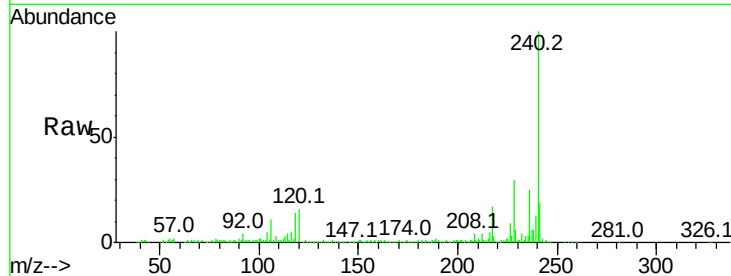
ClientSampleId :

1E-(3-4)

Tot Ion:	240	Resp:	228283
Ion Ratio	Lower	Upper	
240	100		
120	15.5	9.5	14.3#
236	25.2	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 31.818 ng

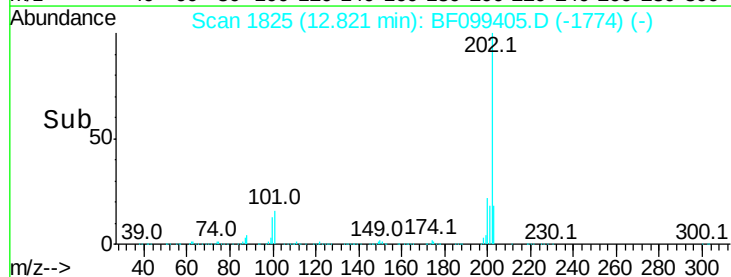
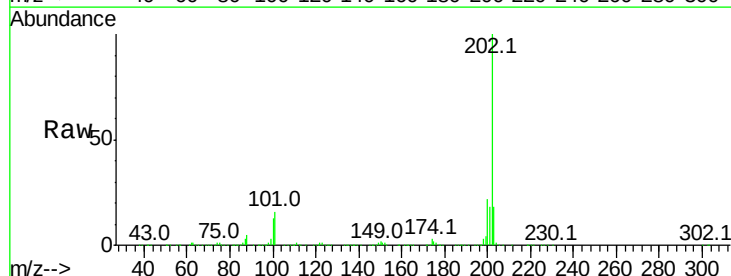
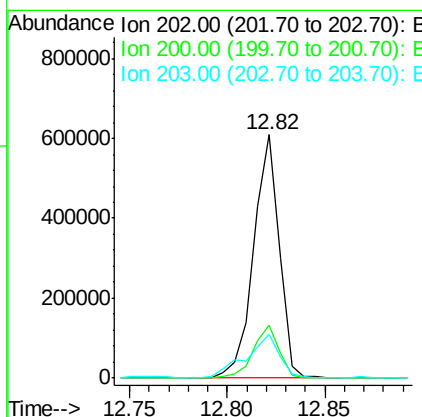
RT: 12.82 min Scan# 1825

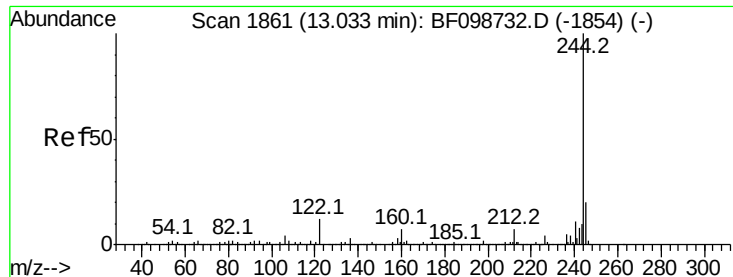
Delta R.T. -0.00 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Tgt Ion:	202	Resp:	553864
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	18.0	14.3	21.5





#78

Terphenyl-d14

Concen: 34.878 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Instrument :

BNA_F

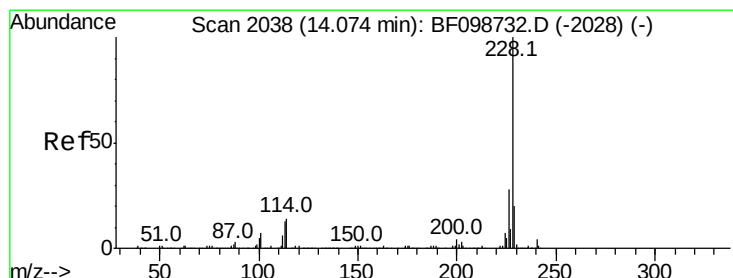
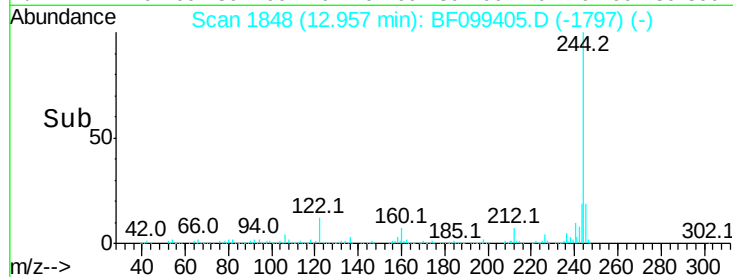
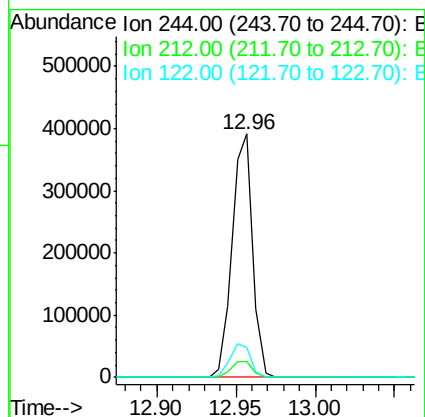
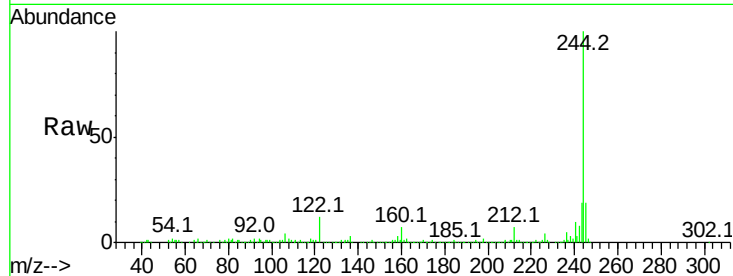
ClientSampled :

1E-(3-4)

Tot Ion:	244	Resp:	350103
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	12.2	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 18.378 ng

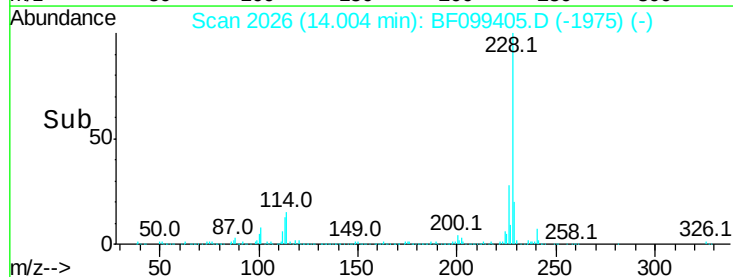
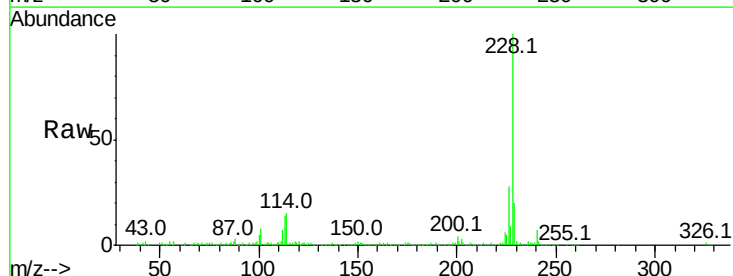
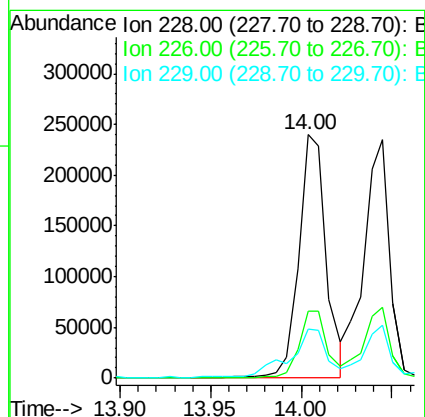
RT: 14.00 min Scan# 2026

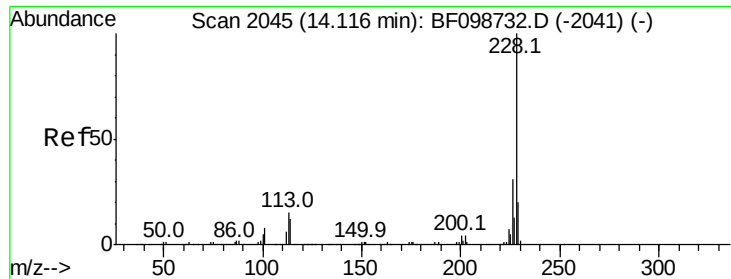
Delta R.T. -0.00 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Tgt Ion:	228	Resp:	254048
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.6	33.8
229	20.3	15.8	23.6





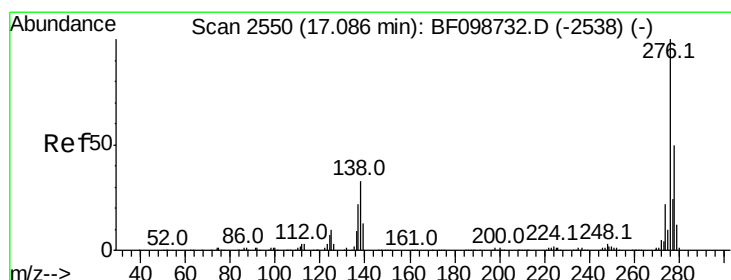
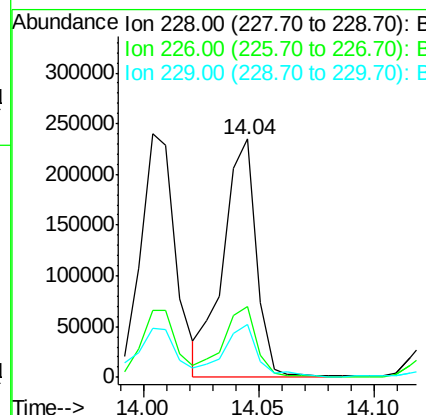
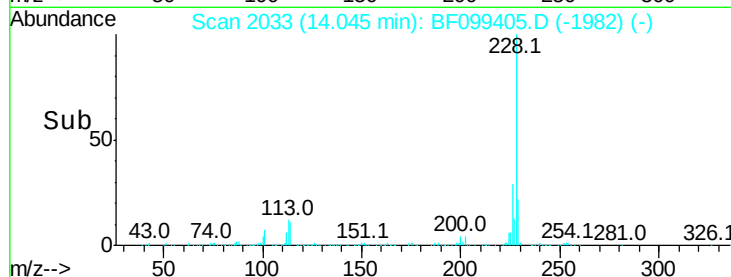
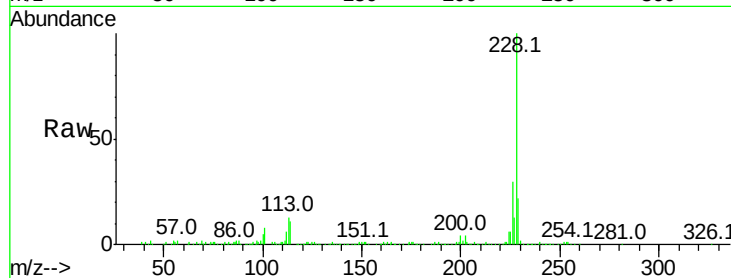
#82
Chrysene
Concen: 17.807 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Instrument :
BNA_F
ClientSampleId :
1E-(3-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	22.2	16.2	24.4

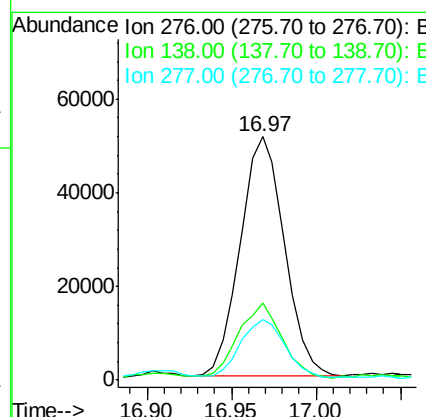
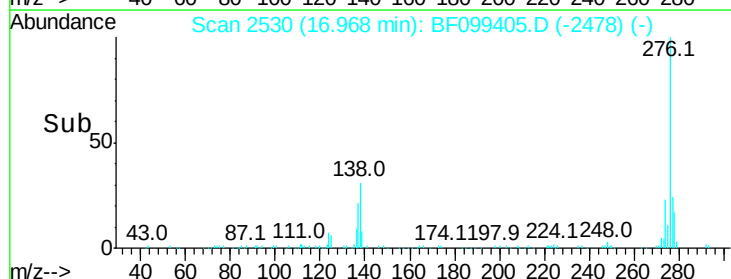
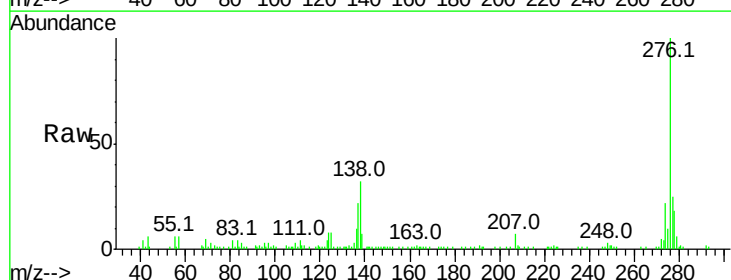
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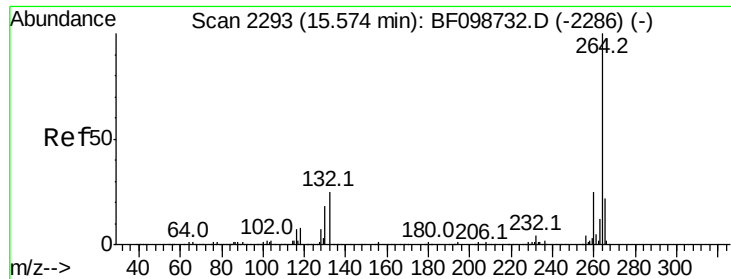
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.767 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.9	25.0	37.6
277	25.0	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Instrument :

BNA_F

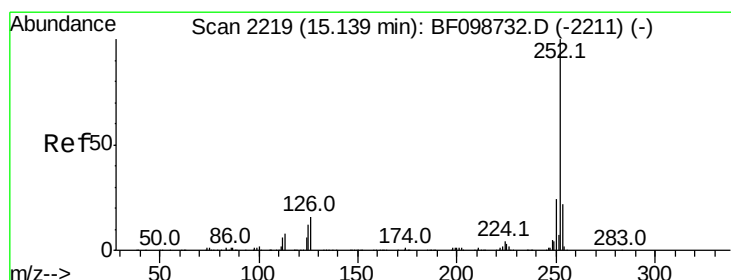
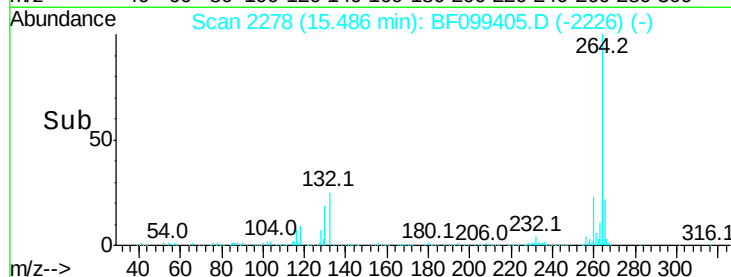
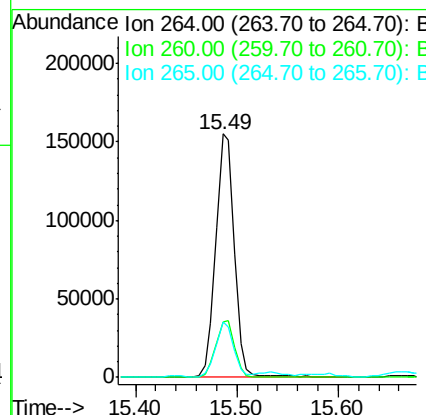
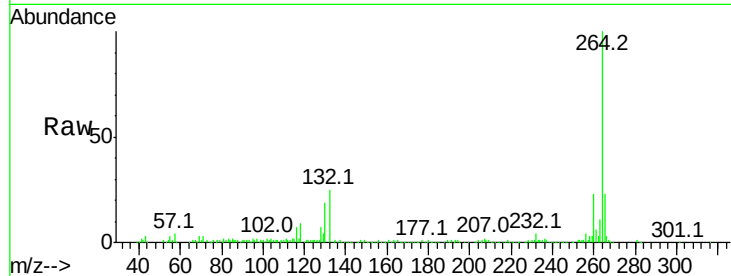
ClientSampled :

1E-(3-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	22.6	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 29.126 ng

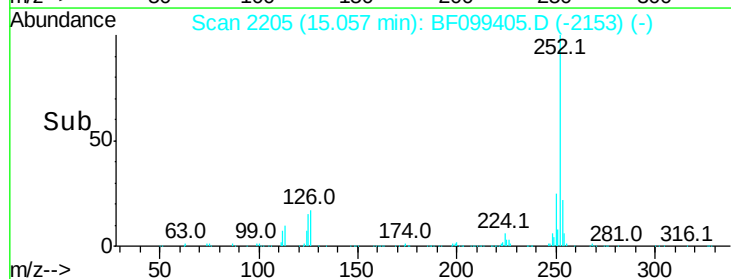
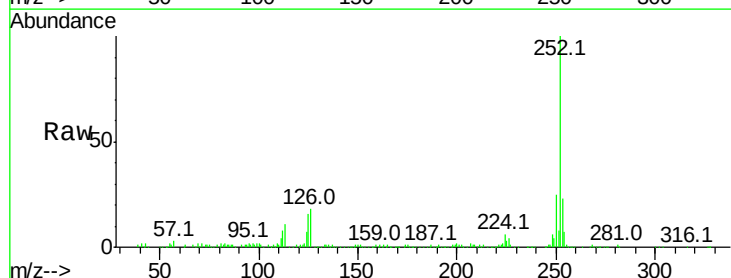
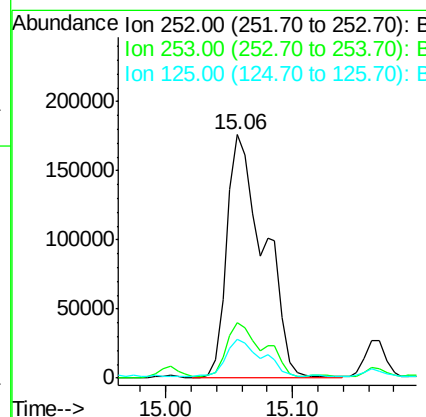
RT: 15.06 min Scan# 2205

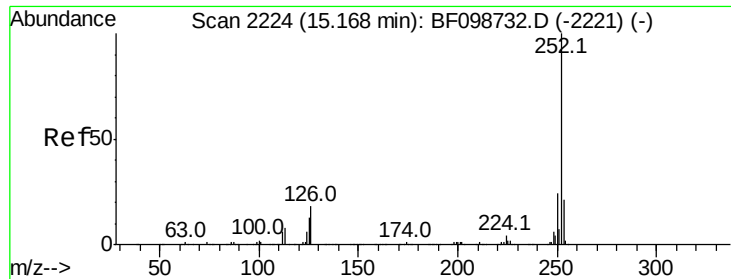
Delta R.T. 0.01 min

Lab File: BF099405.D

Acq: 12 Oct 2017 20:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	15.7	9.0	13.6#





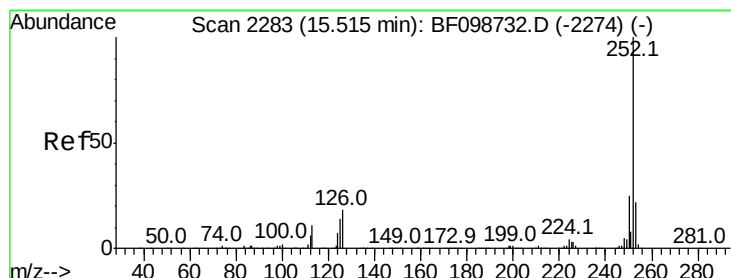
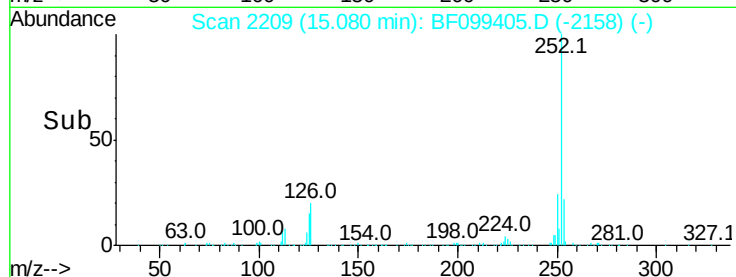
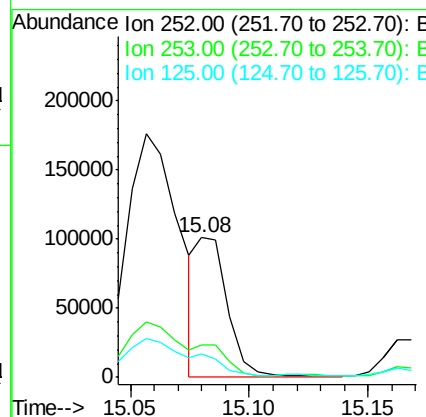
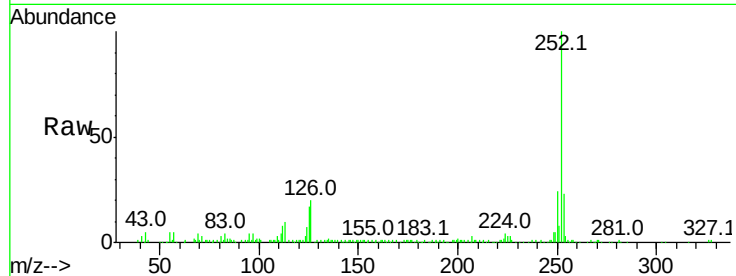
#88
Benzo(k)fluoranthene
Concen: 7.627 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Instrument :
BNA_F
ClientSampled :
1E-(3-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	16.9	10.2	15.2

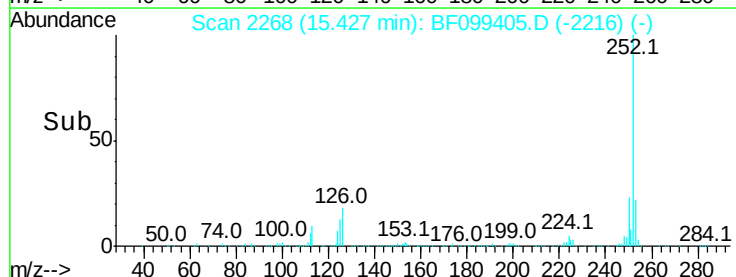
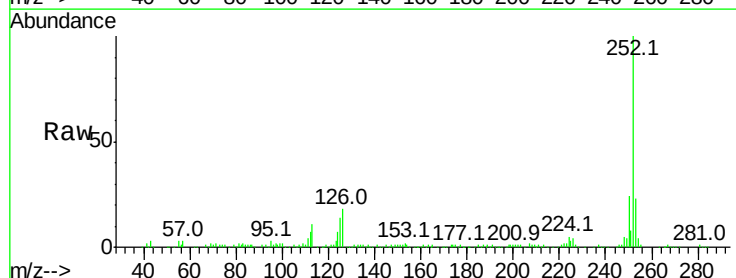
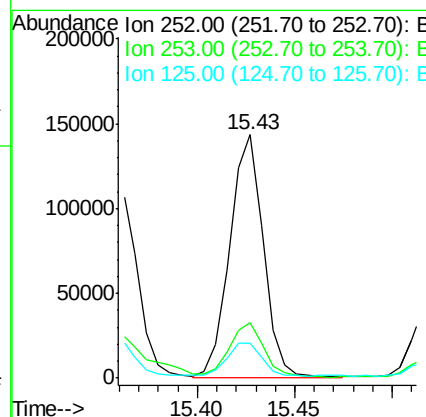
Manual Integrations
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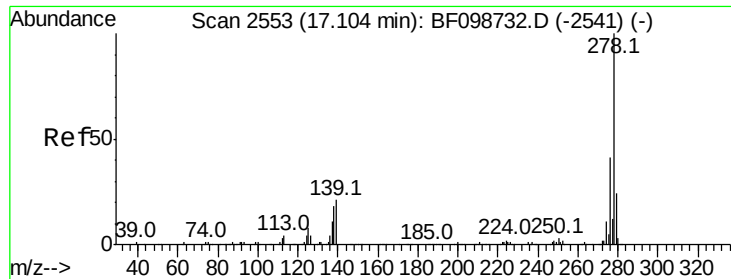
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#89
Benzo(a)pyrene
Concen: 15.104 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	14.4	9.8	14.6





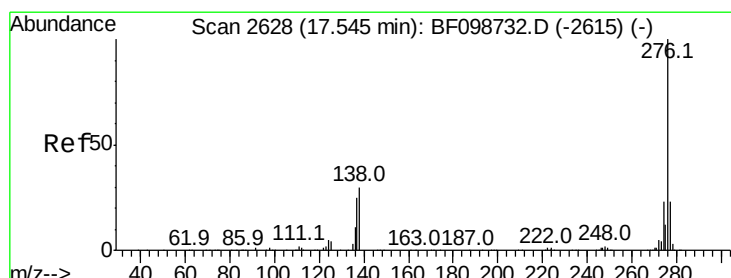
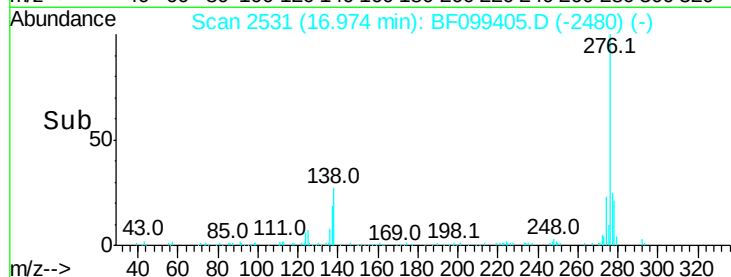
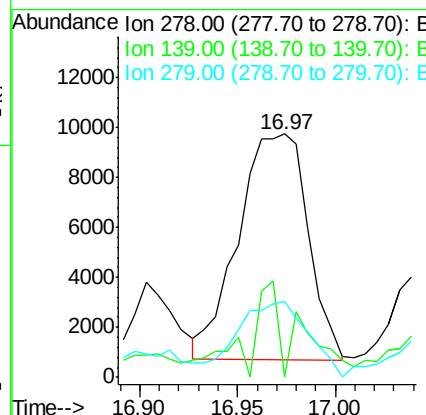
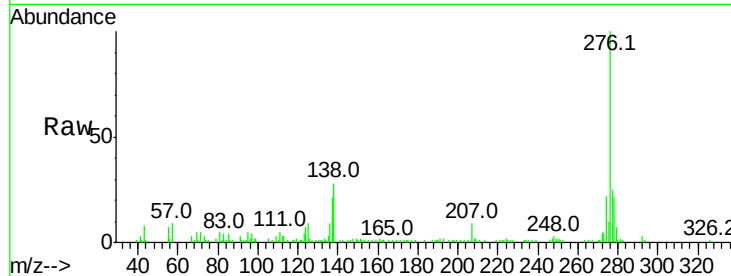
#90
Dibenzo(a,h)anthracene
Concen: 2.470 ng m
RT: 16.97 min Scan# 2531
Delta R.T. -0.00 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Instrument :
BNA_F
ClientSampleId :
1E-(3-4)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	31.3	19.0	28.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 10.211 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.01 min
Lab File: BF099405.D
Acq: 12 Oct 2017 20:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	30.8	21.8	32.8

