

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096109.D
 Acq On : 22 Jun 2017 6:24
 Operator : SJ/MA
 Sample : I3747-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-R5-WSW

Manual Integrations
 APPROVED

mohammad
 6/22/2017 6:03:00 PM

Quant Time: Jun 22 07:39:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	80912	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	311414	20.00	ng	0.00
38) Acenaphthene-d10	12.15	164	124601	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	181215	20.00	ng	0.00
75) Chrysene-d12	18.27	240	171796	20.00	ng	0.00
86) Perylene-d12	19.94	264	119012	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	796498	156.86	ng	0.00
7) Phenol-d6	6.87	99	997182	164.04	ng	0.00
23) Nitrobenzene-d5	8.22	82	517738	103.25	ng	0.00
41) 2,4,6-Tribromophenol	13.44	330	129847	117.78	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	846443	94.53	ng	0.00
78) Terphenyl-d14	16.92	244	637765	92.13	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	11.80	163	145777	15.41	ng	99
51) Acenaphthene	12.20	154	32658	4.12	ng	98
57) Fluorene	13.04	166	28458	2.93	ng	# 98
70) Phenanthrene	14.57	178	292057	27.93	ng	98
71) Anthracene	14.67	178	98142	8.99	ng	95
74) Fluoranthene	16.37	202	590437	57.05	ng	99
80) Benzo(a)anthracene	18.26	228	226918	22.72	ng	98
82) Chrysene	18.30	228	171225	17.15	ng	98
85) Indeno(1,2,3-cd)pyrene	21.11	276	67529	7.91	ng	# 90
87) Benzo(b)fluoranthene	19.54	252	169758m	22.78	ng	
88) Benzo(k)fluoranthene	19.57	252	57574m	8.08	ng	
89) Benzo(a)pyrene	19.89	252	132472	19.34	ng	96
90) Dibenzo(a,h)anthracene	21.10	278	17349	2.99	ng	# 76
91) Benzo(g,h,i)perylene	21.44	276	56210	9.49	ng	96

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

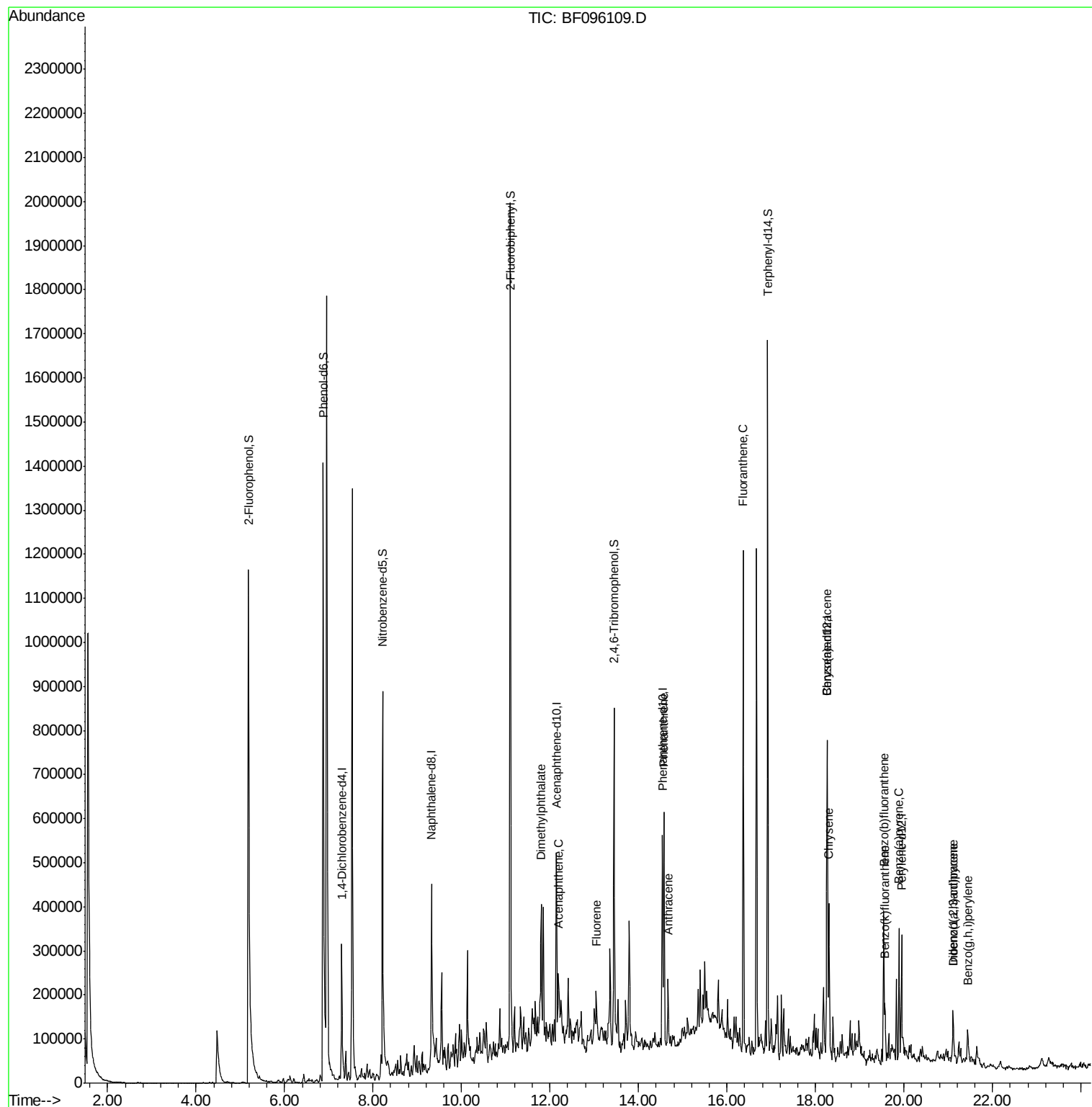
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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#1

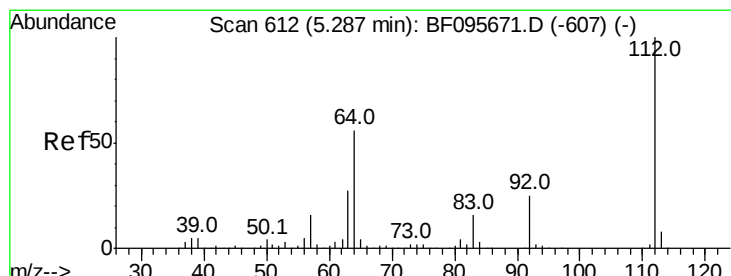
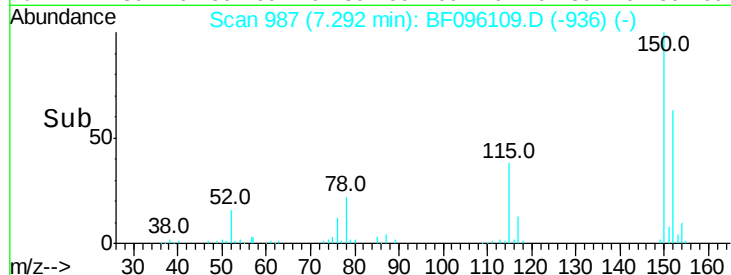
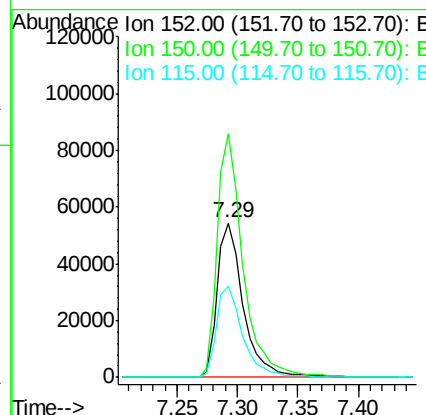
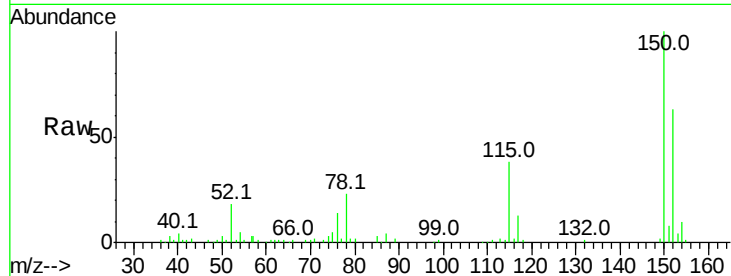
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096109.D
Acq: 22 Jun 2017 6:24

Instrument :
BNA_F
ClientSampleId :
E2-R5-WSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.2	189.2
115	59.3	52.2	78.2

Manual Integrations
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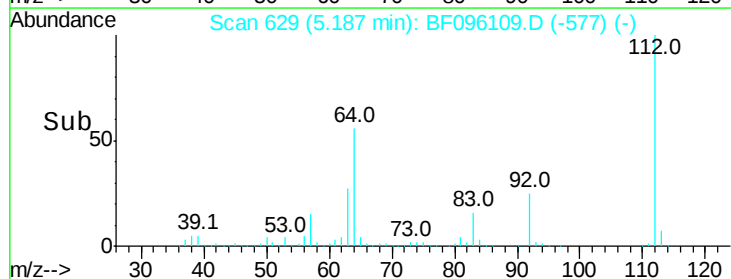
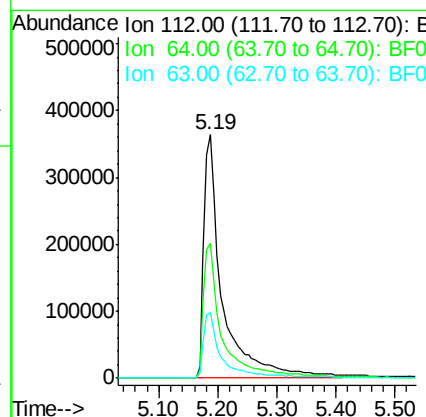
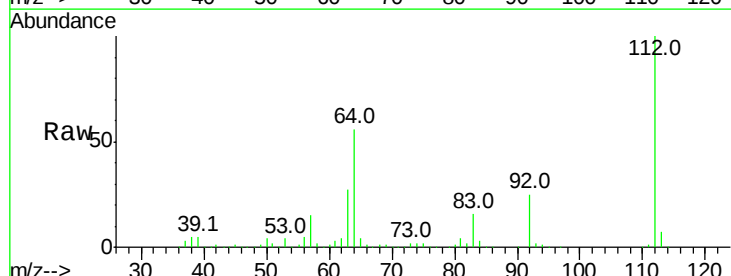
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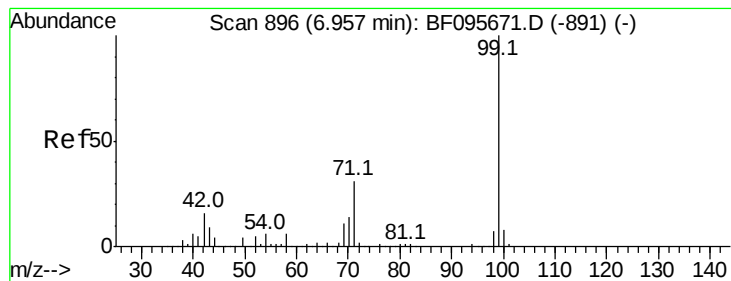


#5

2-Fluorophenol
Concen: 156.86 ng
RT: 5.19 min Scan# 629
Delta R.T. 0.01 min
Lab File: BF096109.D
Acq: 22 Jun 2017 6:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	46.0	69.0
63	27.0	23.4	35.0





#7

Phenol-d6

Concen: 164.04 ng

RT: 6.87 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF096109.D

Acq: 22 Jun 2017 6:24

Instrument :

BNA_F

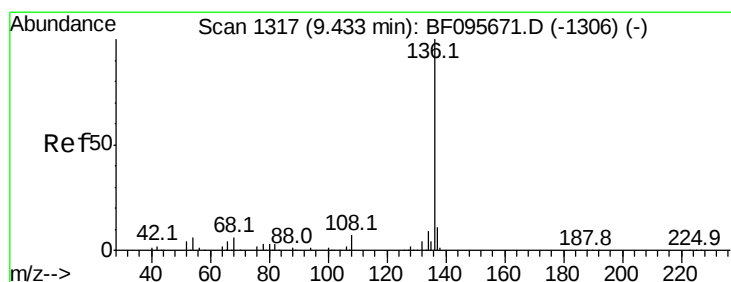
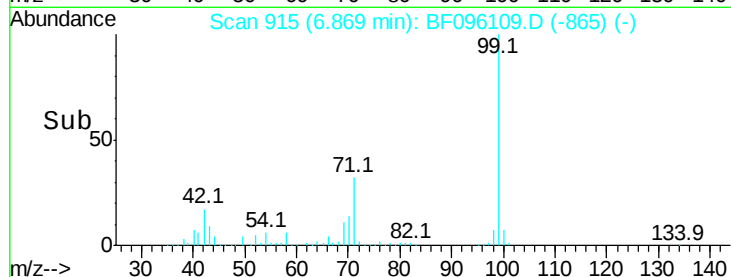
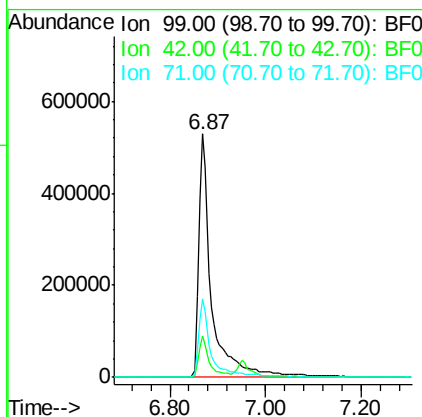
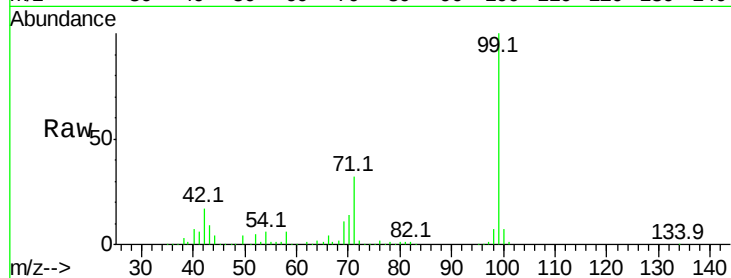
ClientSampleId :

E2-R5-WSW

Tot Ion:	99	Resp:	997182
Ion Ratio	Lower	Upper	
99	100		
42	17.0	13.5	20.3
71	32.2	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

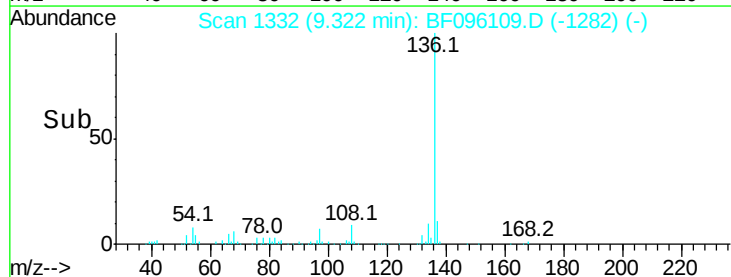
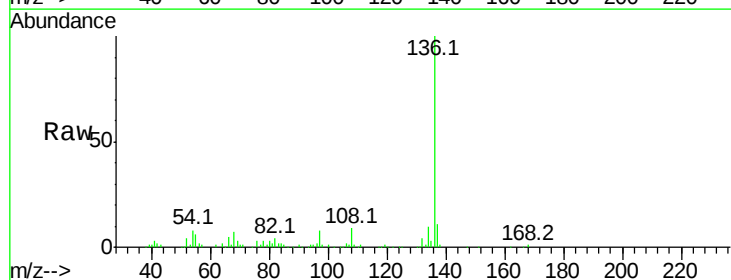
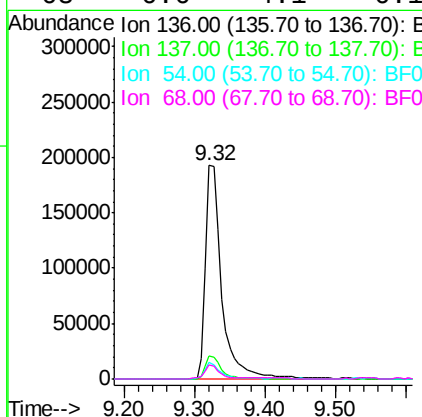
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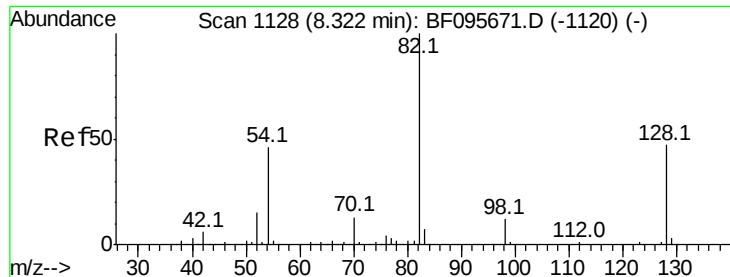
Delta R.T. -0.01 min

Lab File: BF096109.D

Acq: 22 Jun 2017 6:24

Tgt Ion:	136	Resp:	311414
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	7.6	4.9	7.3#
68	6.6	4.1	6.1#





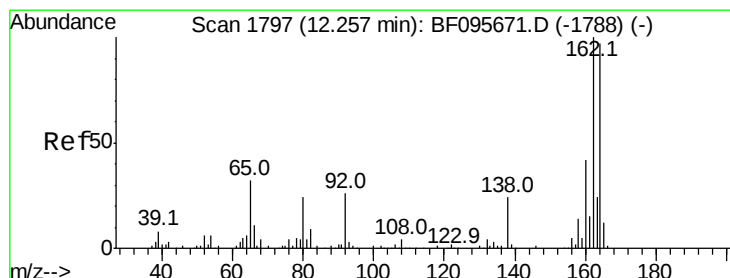
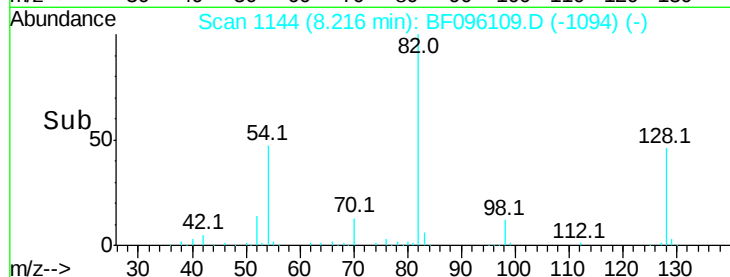
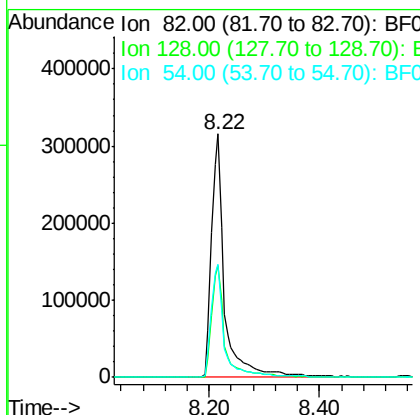
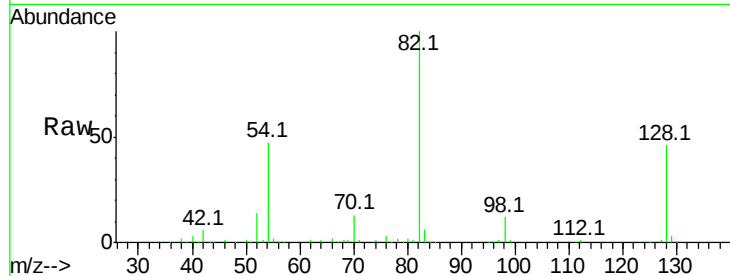
#23
 Nitrobenzene-d5
 Concen: 103.25 ng
 RT: 8.22 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF096109.D
 Acq: 22 Jun 2017 6:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-R5-WSW

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.0	51.0
54	46.7	42.2	63.2

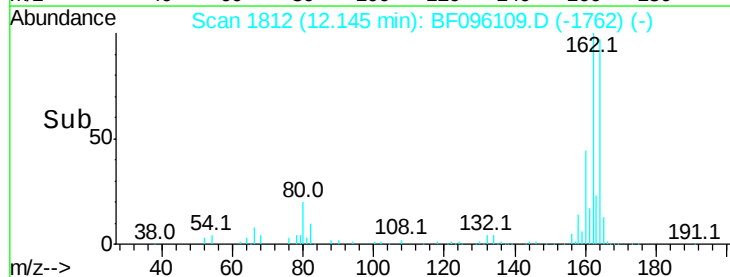
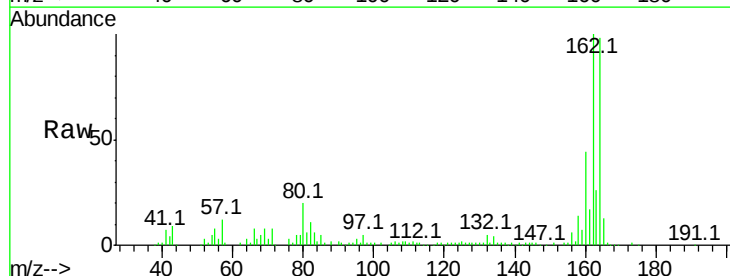
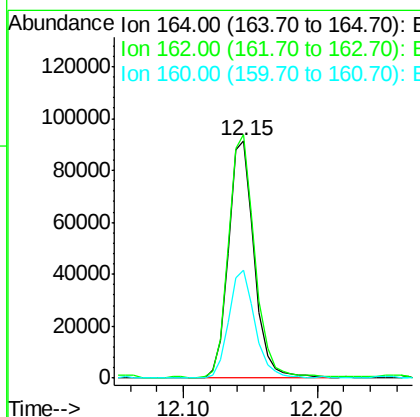
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.15 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF096109.D
 Acq: 22 Jun 2017 6:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	45.2	36.2	54.2





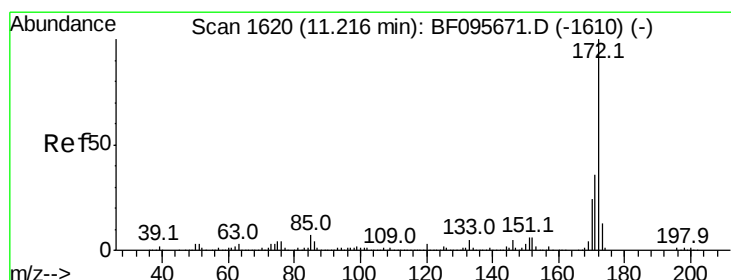
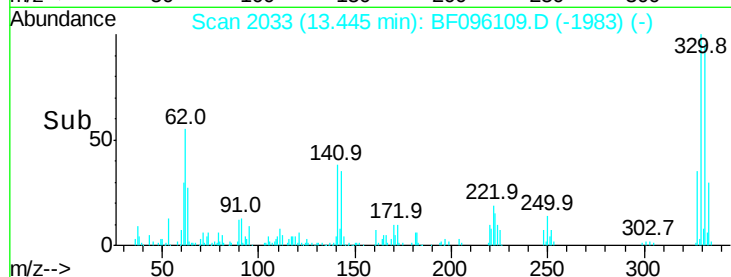
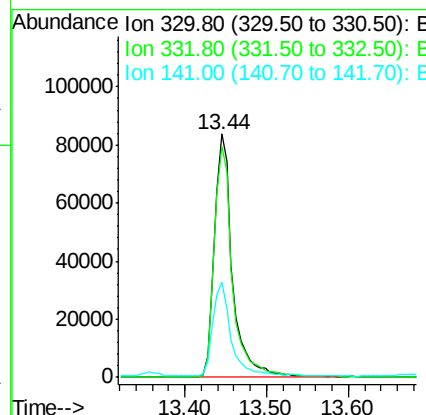
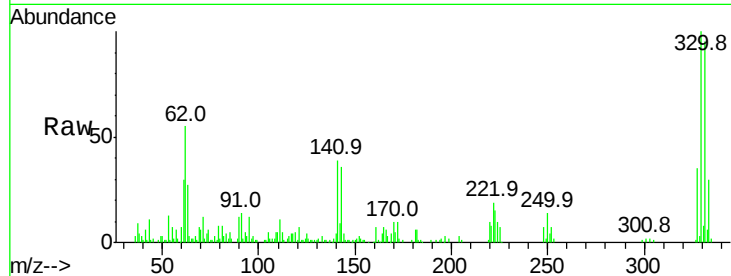
#41
 2,4,6-Tribromophenol
 Concen: 117.78 ng
 RT: 13.44 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF096109.D
 Acq: 22 Jun 2017 6:24

Instrument :
 BNA_F
 ClientSampled :
 E2-R5-WSW

Tot Ion	Ratio	Resp	Lower	Upper
330	100	129847		
332	95.7	76.6	115.0	
141	38.3	31.4	47.2	

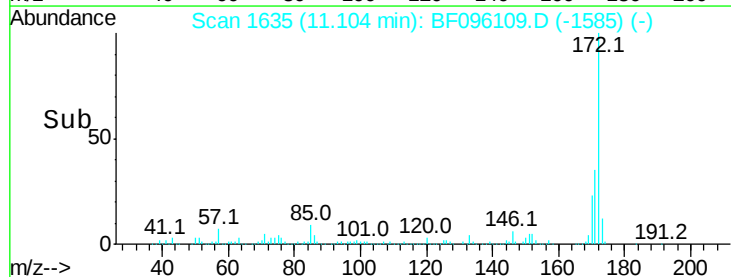
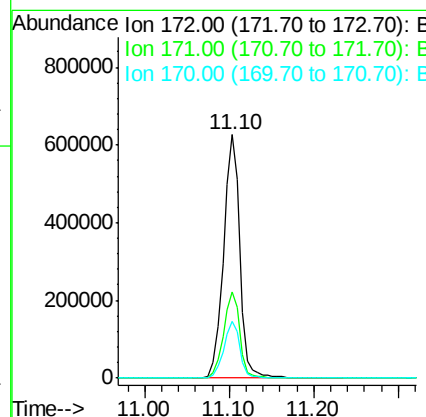
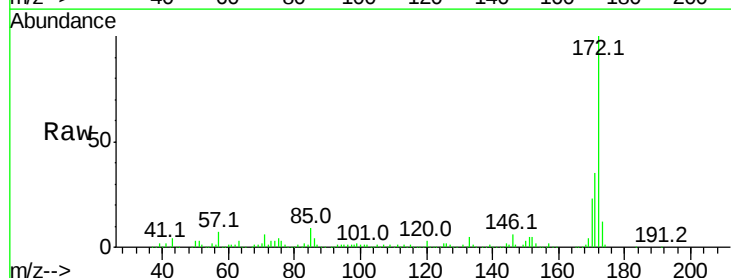
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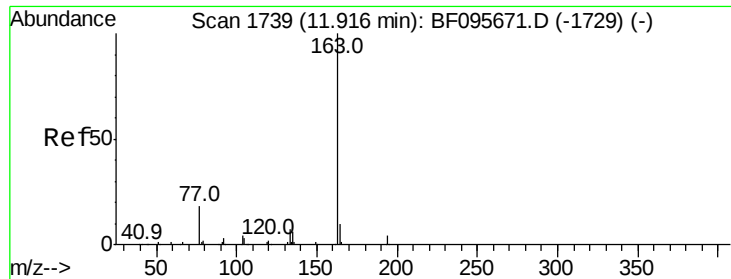
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#44
 2-Fluorobiphenyl
 Concen: 94.53 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096109.D
 Acq: 22 Jun 2017 6:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	846443		
171	35.4	29.6	44.4	
170	23.3	19.8	29.8	





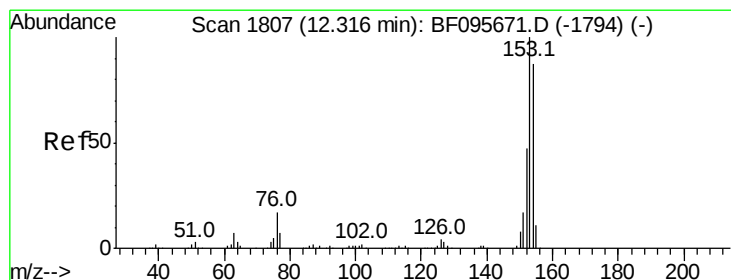
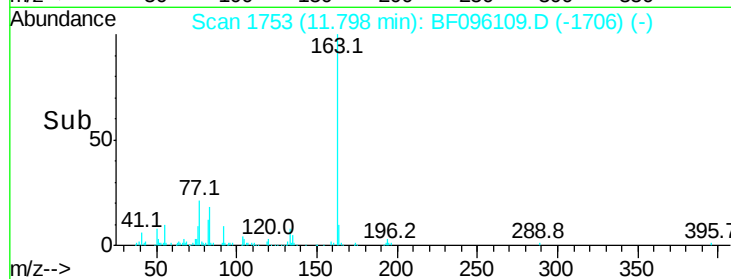
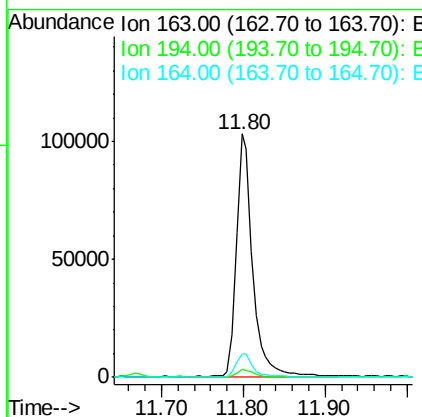
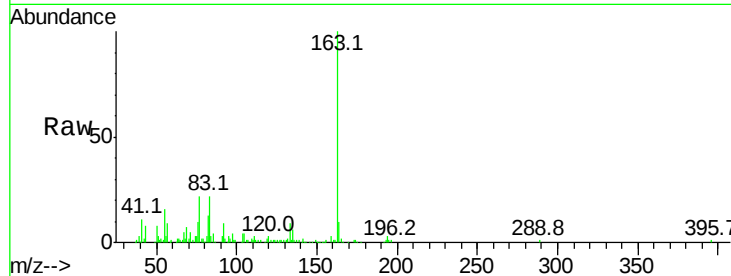
#49
Dimethylphthalate
Concen: 15.41 ng
RT: 11.80 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF096109.D
Acq: 22 Jun 2017 6:24

Instrument :
BNA_F
ClientSampled :
E2-R5-WSW

Tot Ion	Ratio	Resp	Lower	Upper
163	100	145777		
194	3.2		2.6	4.0
164	9.8		8.4	12.6

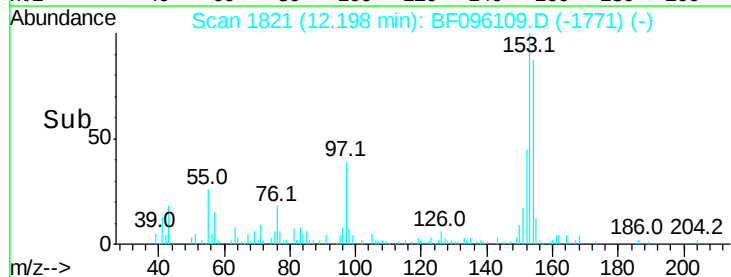
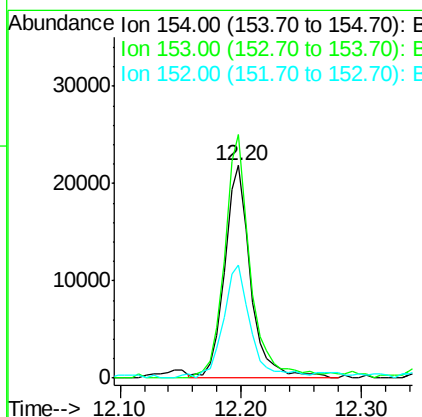
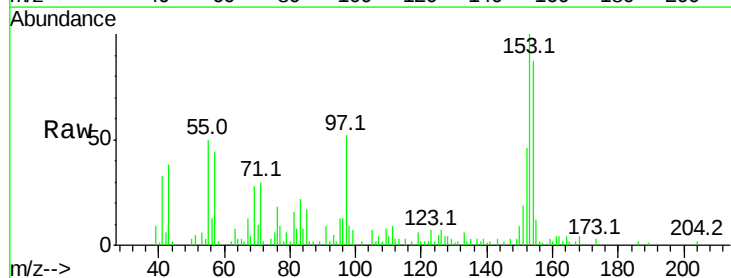
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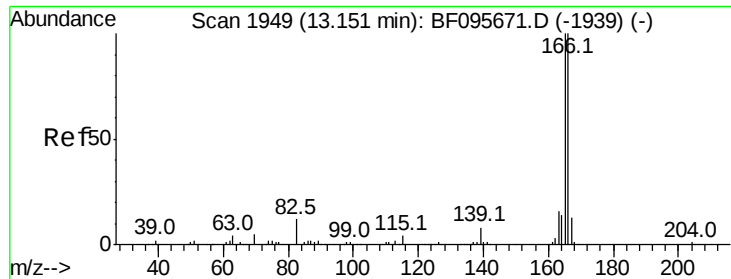
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#51
Acenaphthene
Concen: 4.12 ng
RT: 12.20 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF096109.D
Acq: 22 Jun 2017 6:24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	32658		
153	114.6		90.5	135.7
152	53.1		43.6	65.4





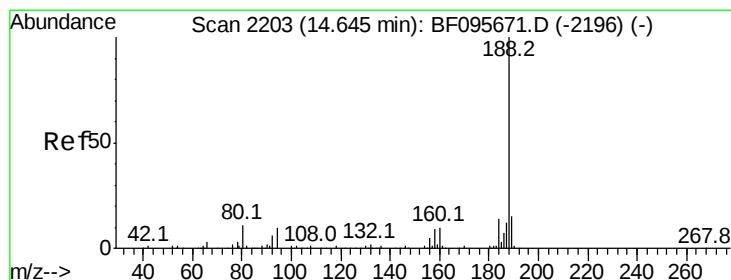
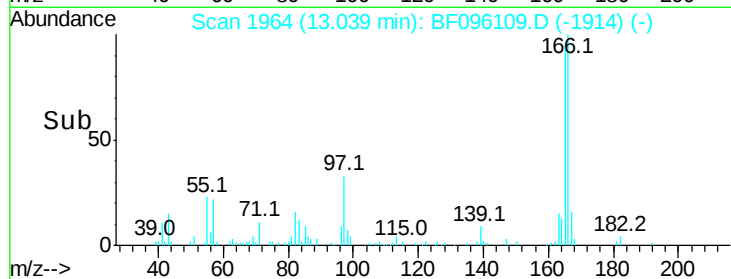
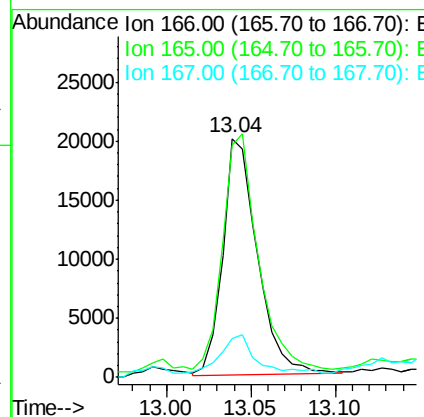
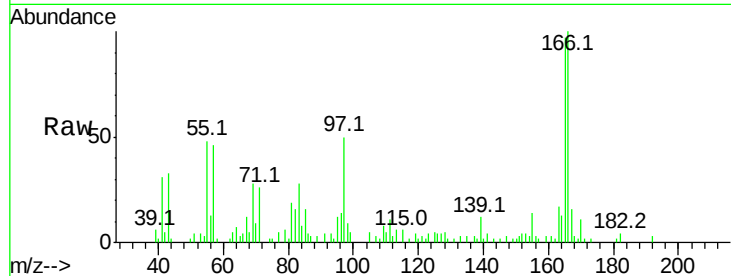
#57
 Fluorene
 Concen: 2.93 ng
 RT: 13.04 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: BF096109.D
 Acq: 22 Jun 2017 6:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-R5-WSW

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.1	78.8	118.2	
167	16.4	10.6	16.0	

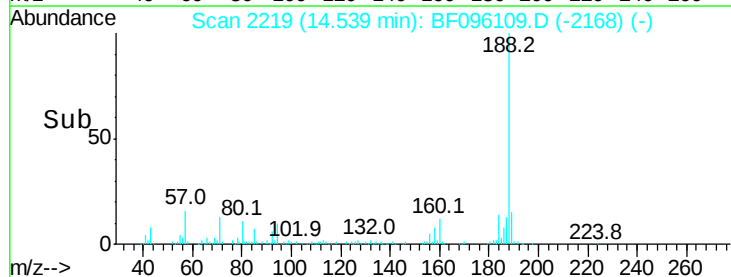
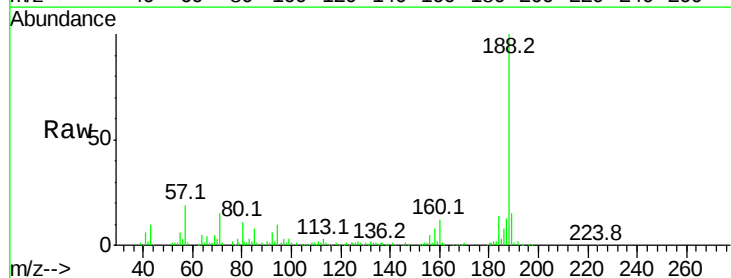
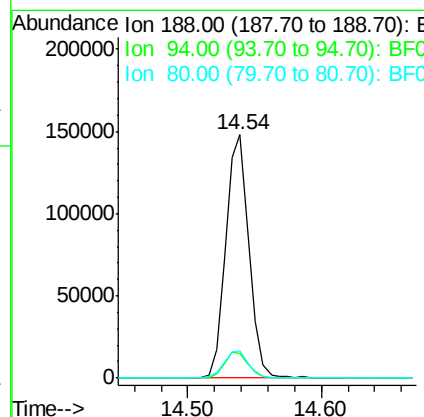
Manual Integrations
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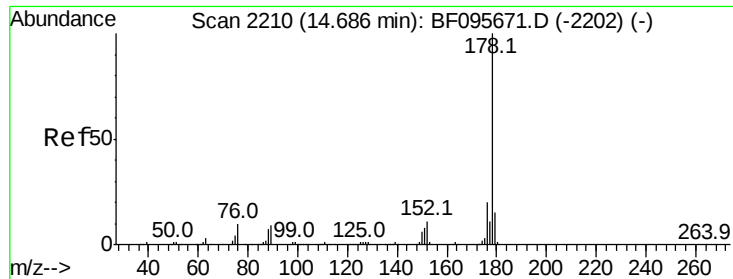
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.54 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: BF096109.D
 Acq: 22 Jun 2017 6:24

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.1	9.4	14.2	
80	11.2	10.2	15.2	





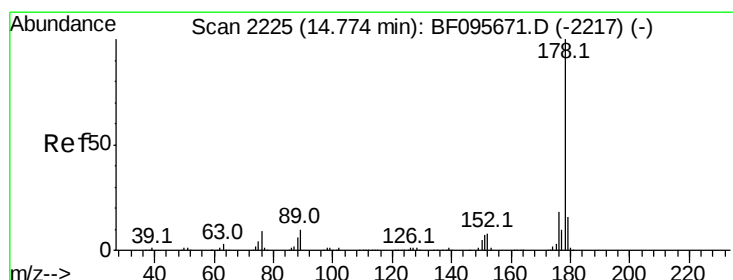
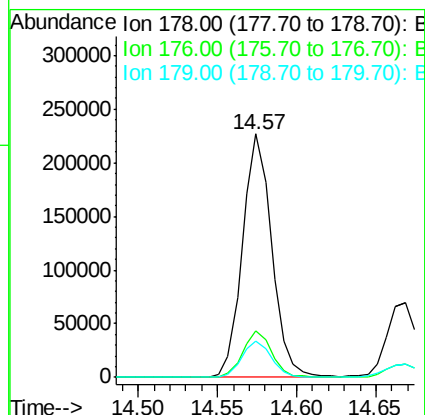
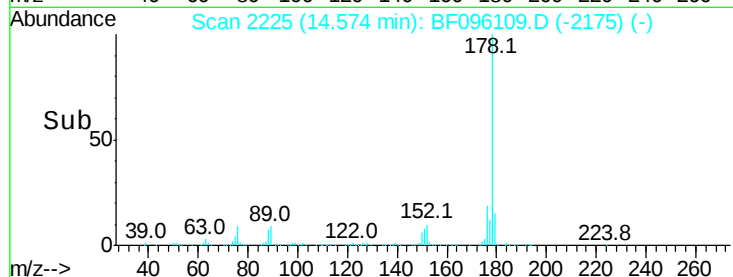
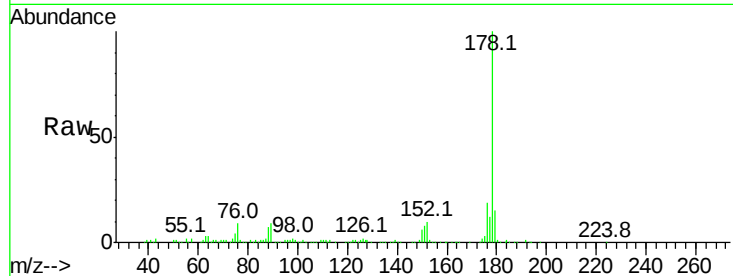
#70
Phenanthrene
Concen: 27.93 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096109.D
Acq: 22 Jun 2017 6:24

Instrument :
BNA_F
ClientSampleId :
E2-R5-WSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	14.8	12.6	19.0

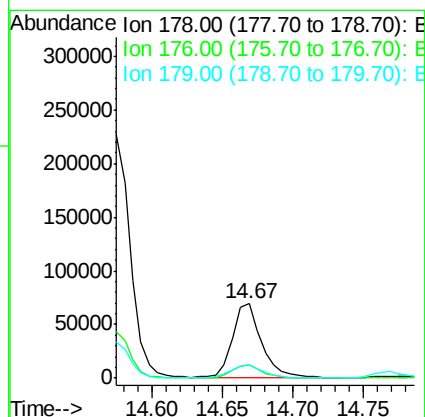
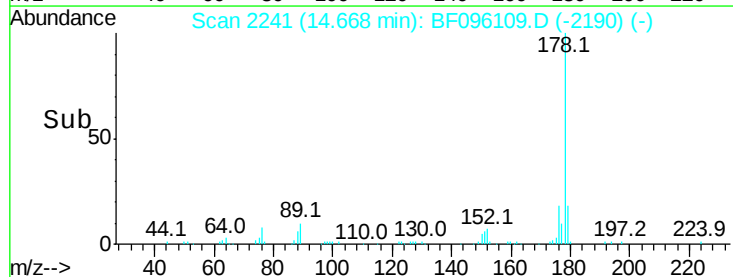
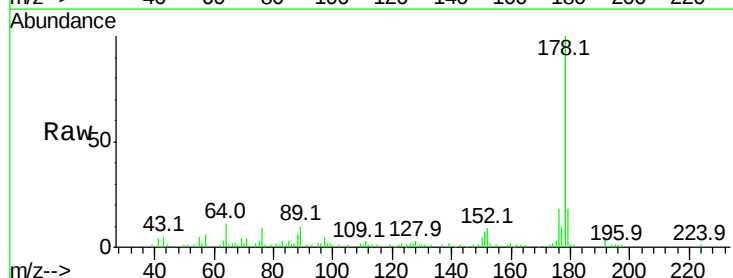
Manual Integrations
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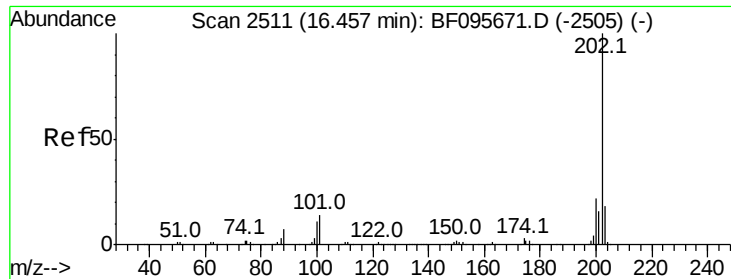
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#71
Anthracene
Concen: 8.99 ng
RT: 14.67 min Scan# 2241
Delta R.T. 0.00 min
Lab File: BF096109.D
Acq: 22 Jun 2017 6:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	18.2	12.7	19.1





#74

Fluoranthene

Concen: 57.05 ng

RT: 16.37 min Scan# 2530

Delta R.T. 0.00 min

Lab File: BF096109.D

Acq: 22 Jun 2017 6:24

Instrument :

BNA_F

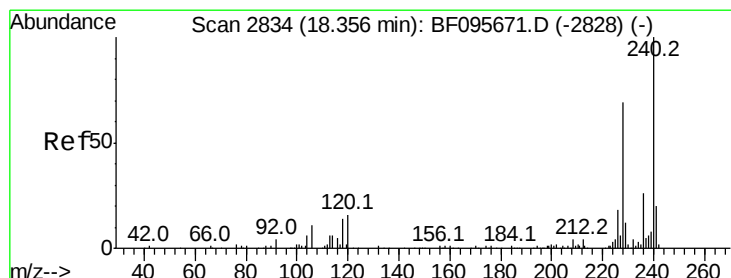
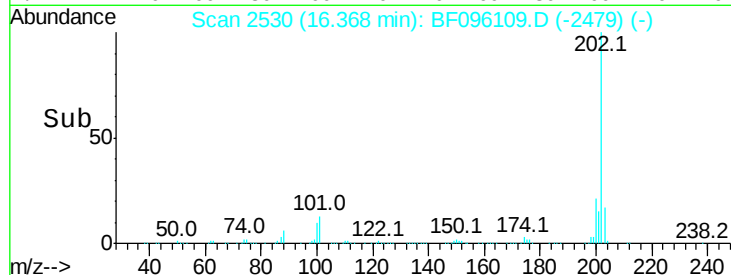
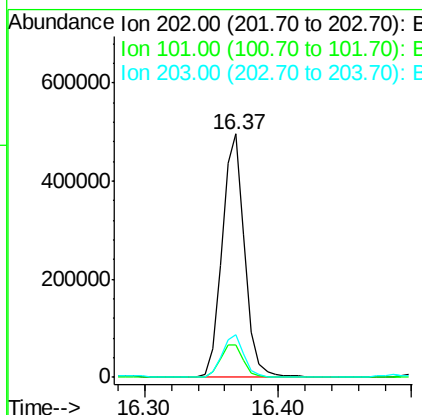
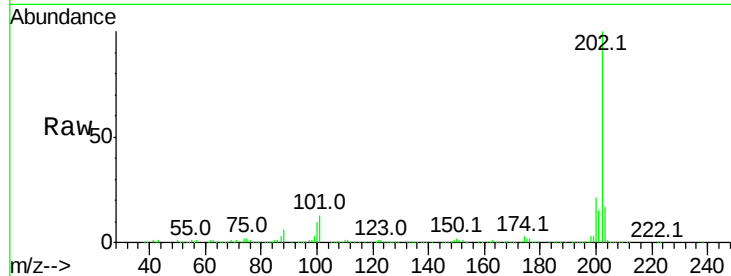
ClientSampleId :

E2-R5-WSW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.3	0.0	33.2
203	17.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

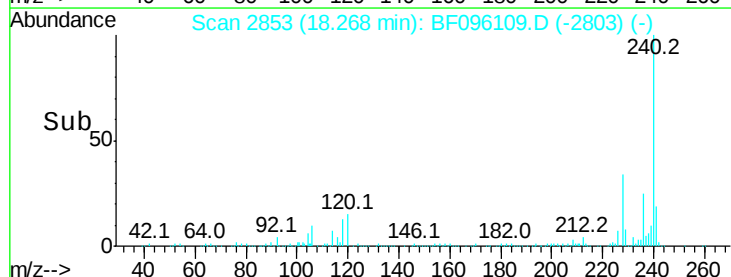
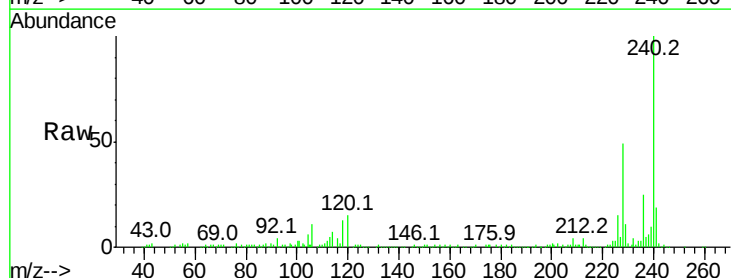
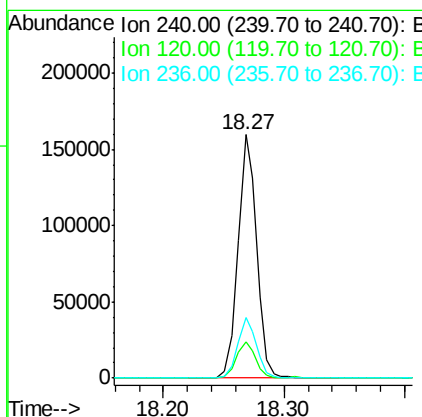
RT: 18.27 min Scan# 2853

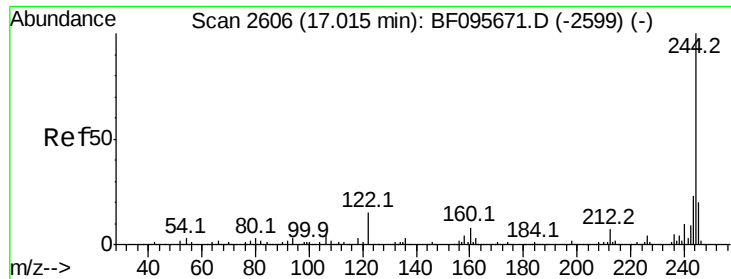
Delta R.T. -0.01 min

Lab File: BF096109.D

Acq: 22 Jun 2017 6:24

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	25.0	20.5	30.7





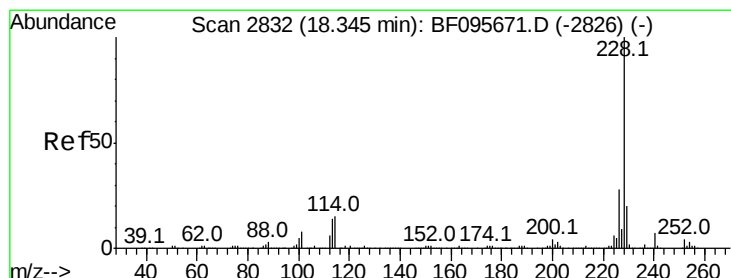
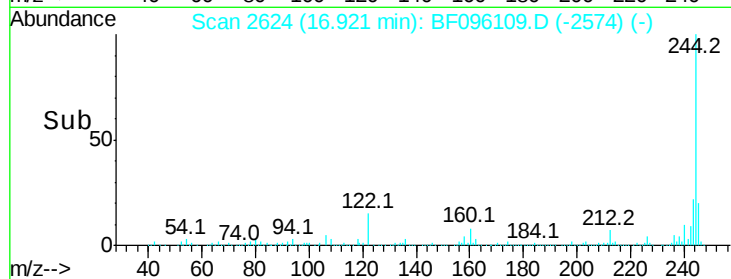
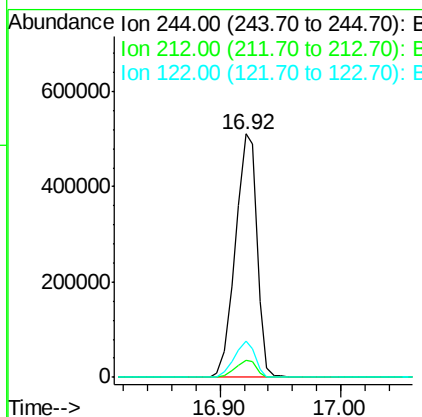
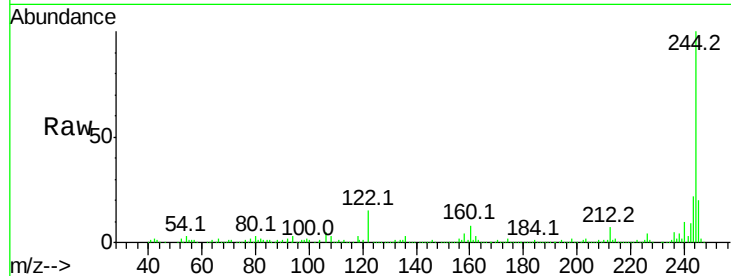
#78
 Terphenyl-d14
 Concen: 92.13 ng
 RT: 16.92 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: BF096109.D
 Acq: 22 Jun 2017 6:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-R5-WSW

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1	6.0	9.0	
122	15.0	10.3	15.5	

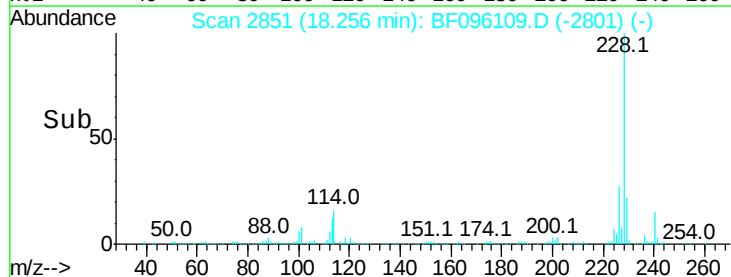
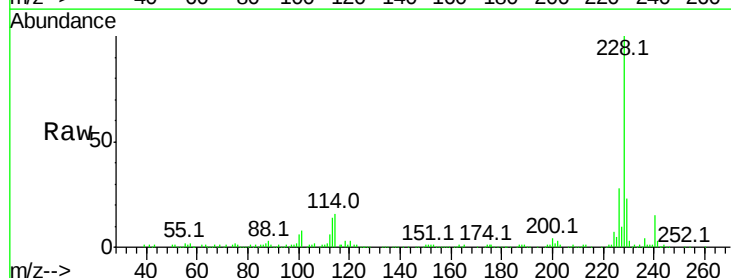
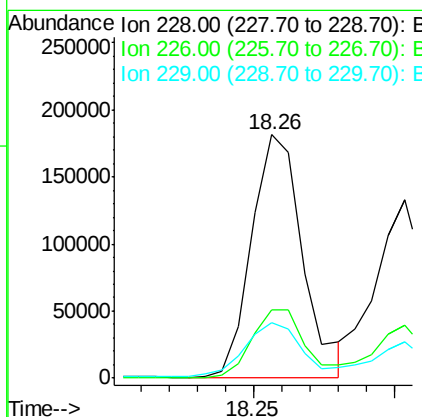
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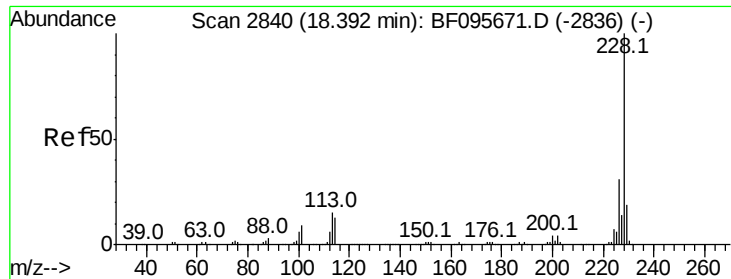
mohammad
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#80
 Benzo(a)anthracene
 Concen: 22.72 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF096109.D
 Acq: 22 Jun 2017 6:24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.3	22.6	33.8	
229	23.0	16.3	24.5	





#82

Chrysene

Concen: 17.15 ng

RT: 18.30 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BF096109.D

Acq: 22 Jun 2017 6:24

Instrument :

BNA_F

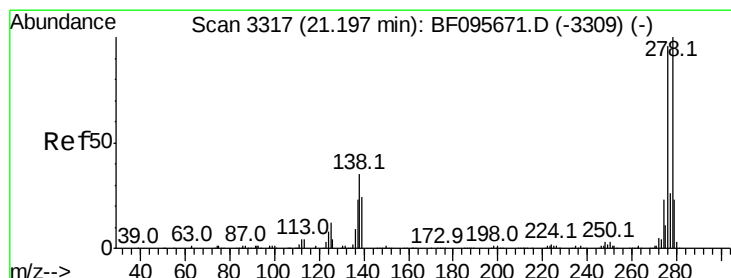
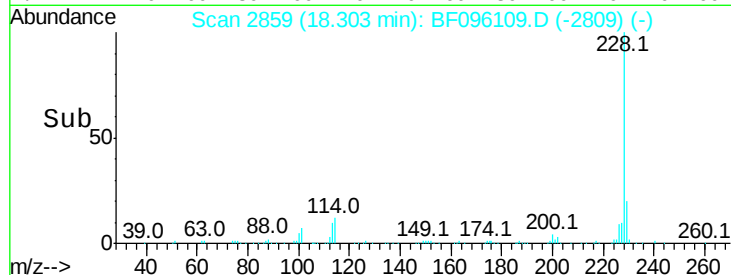
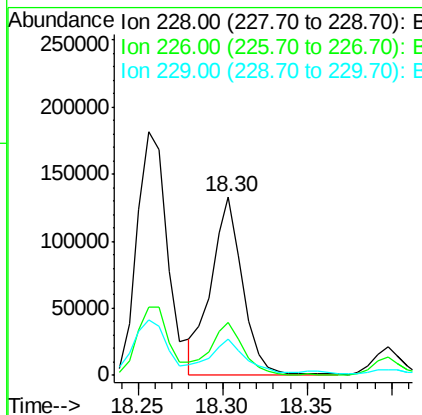
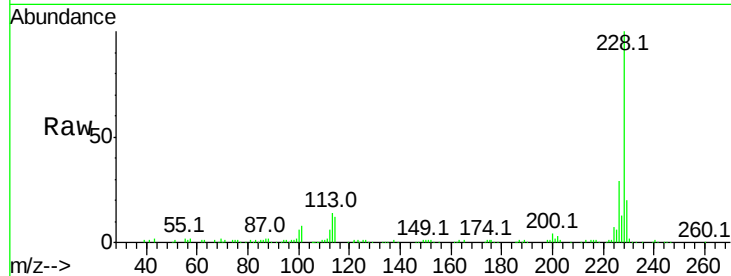
ClientSampled :

E2-R5-WSW

Tot Ion:	228	Resp:	171225
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.9	37.3
229	20.1	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.91 ng

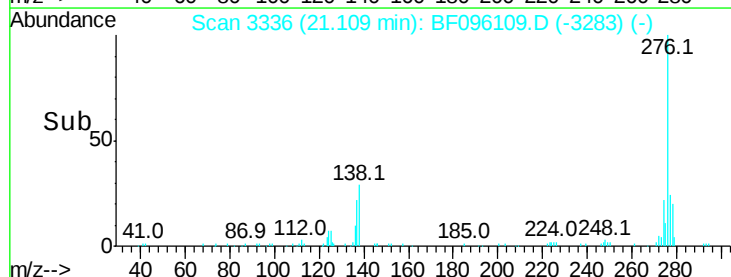
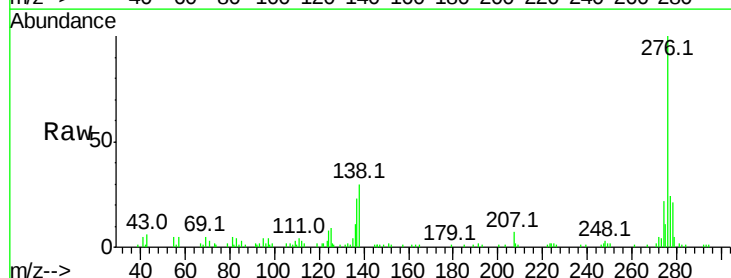
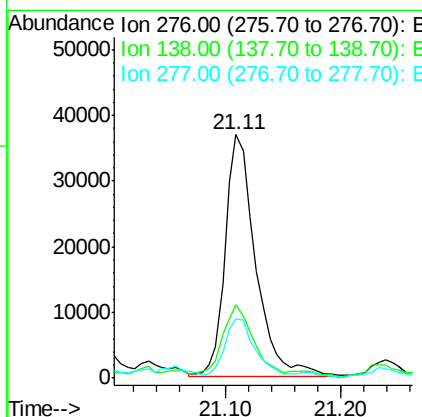
RT: 21.11 min Scan# 3336

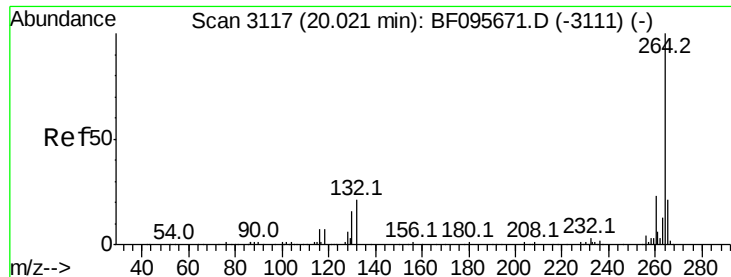
Delta R.T. 0.01 min

Lab File: BF096109.D

Acq: 22 Jun 2017 6:24

Tgt Ion:	276	Resp:	67529
Ion Ratio	Lower	Upper	
276	100		
138	26.8	27.8	41.6#
277	22.7	20.2	30.4





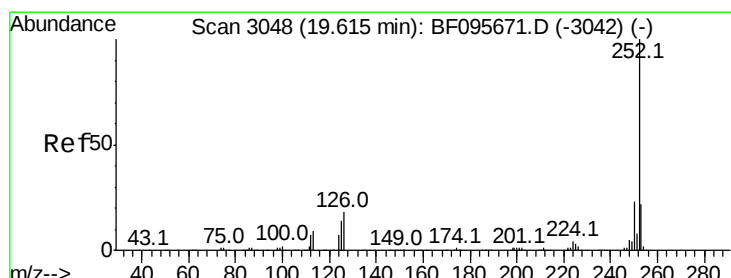
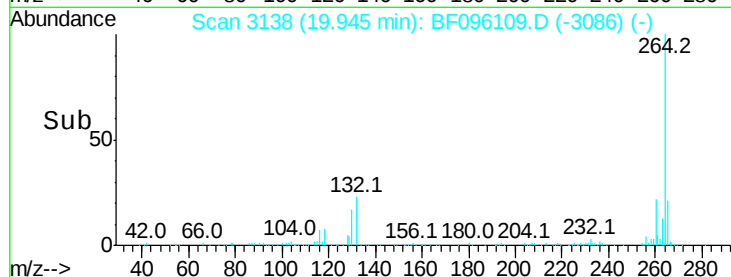
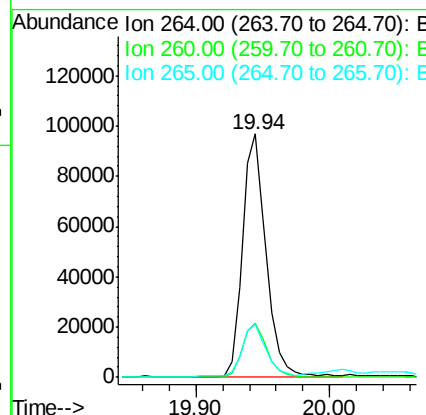
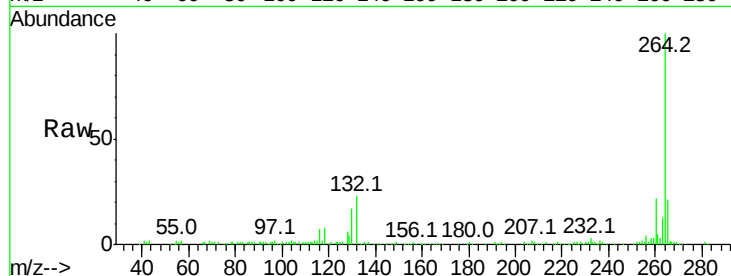
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.94 min Scan# 3138
Delta R.T. 0.01 min
Lab File: BF096109.D
Acq: 22 Jun 2017 6:24

Instrument :
BNA_F
ClientSampleId :
E2-R5-WSW

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.5	29.3
265	21.5	17.2	25.8

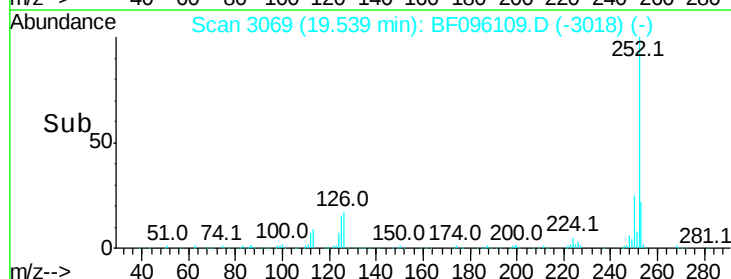
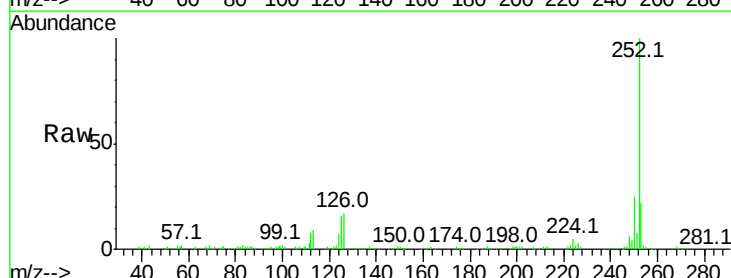
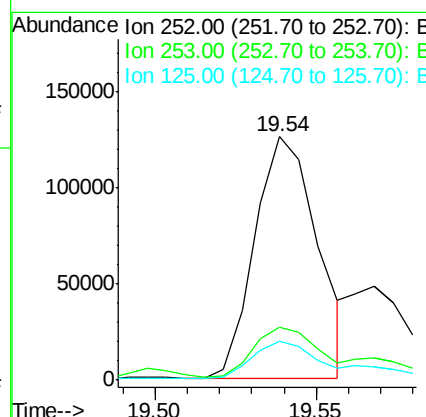
Manual Integrations
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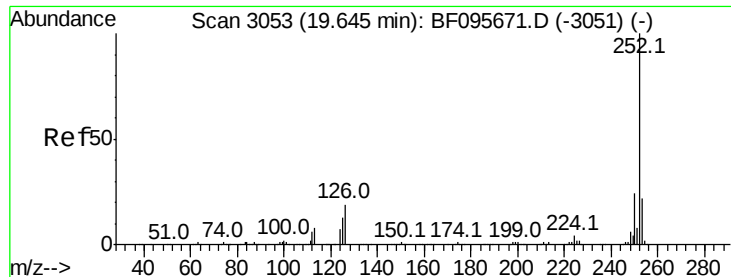
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#87
Benzo(b)fluoranthene
Concen: 22.78 ng m
RT: 19.54 min Scan# 3069
Delta R.T. 0.00 min
Lab File: BF096109.D
Acq: 22 Jun 2017 6:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	16.0	9.8	14.8





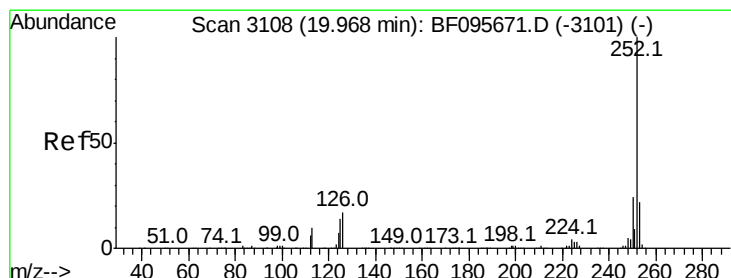
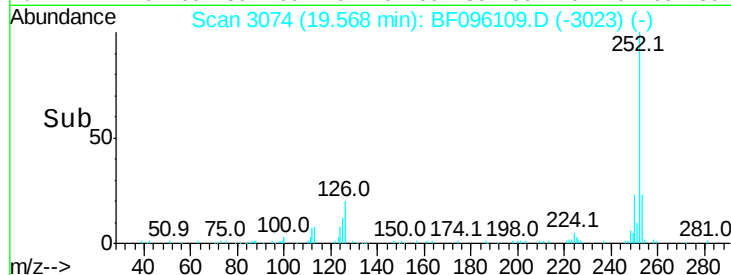
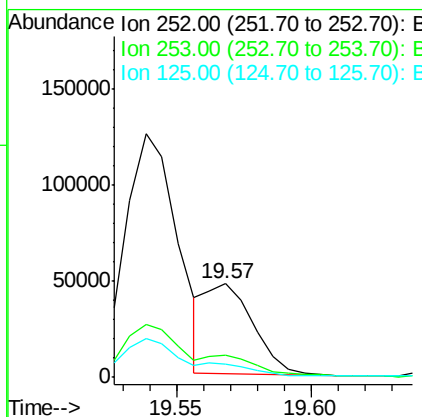
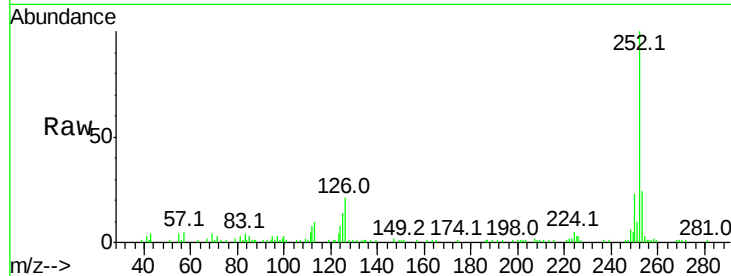
#88
Benzo(k)fluoranthene
Concen: 8.08 ng m
RT: 19.57 min Scan# 3074
Delta R.T. 0.00 min
Lab File: BF096109.D
Acq: 22 Jun 2017 6:24

Instrument :
BNA_F
ClientSampleId :
E2-R5-WSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.4	27.6
125	14.4	13.1	19.7

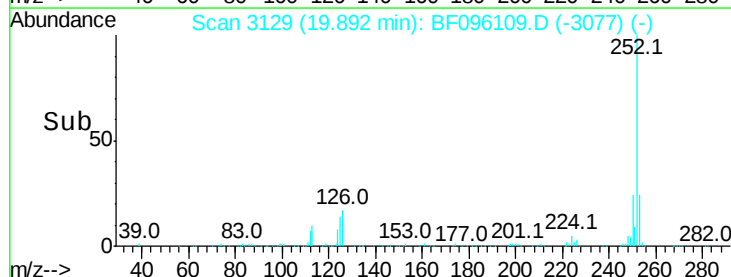
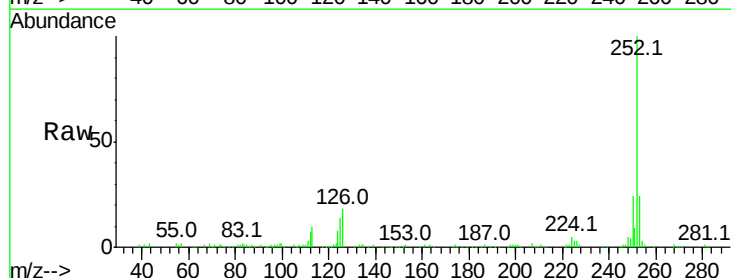
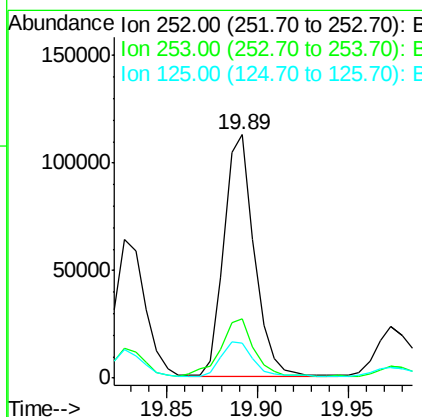
Manual Integrations
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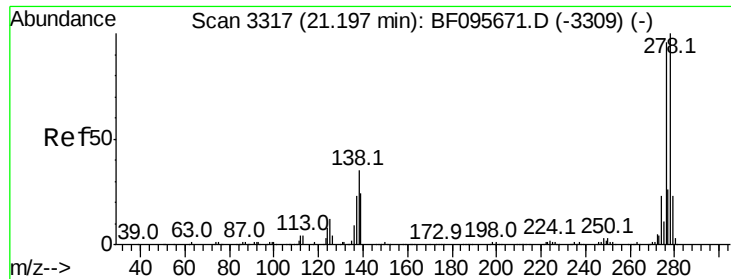
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#89
Benzo(a)pyrene
Concen: 19.34 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096109.D
Acq: 22 Jun 2017 6:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	14.3	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.99 ng

RT: 21.10 min Scan# 3335

Delta R.T. 0.01 min

Lab File: BF096109.D

Acq: 22 Jun 2017 6:24

Instrument :

BNA_F

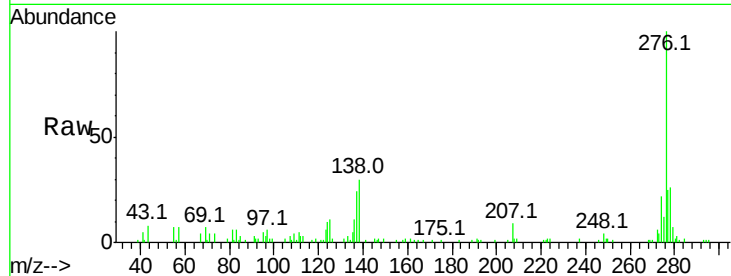
ClientSampled :

E2-R5-WSW

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	27.1	19.3	28.9

Manual Integrations
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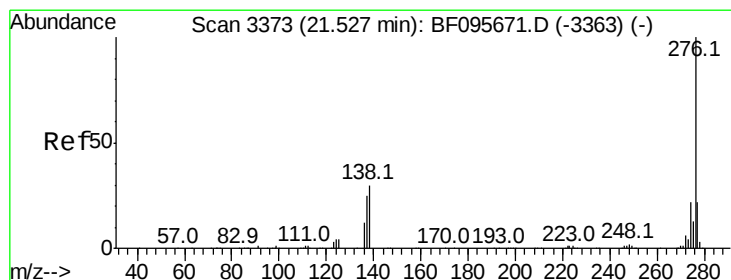
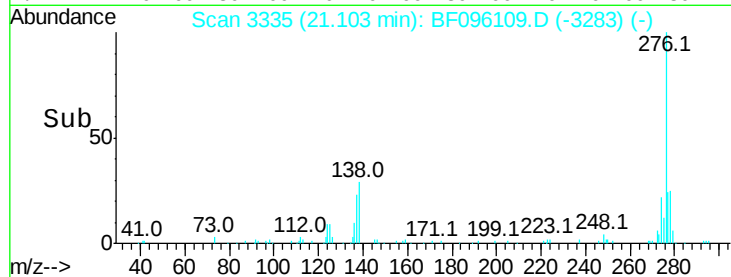
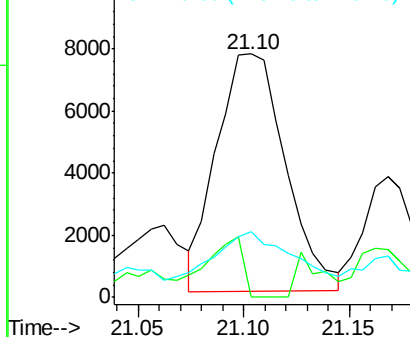
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Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.49 ng

RT: 21.44 min Scan# 3392

Delta R.T. 0.02 min

Lab File: BF096109.D

Acq: 22 Jun 2017 6:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	28.0	25.4	38.0

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

