

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096355.D
 Acq On : 1 Jul 2017 00:03
 Operator : SJ/MA
 Sample : I3930-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2-2-4

Manual Integrations
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mohammad
 7/3/2017 11:37:32 AM

Quant Time: Jul 01 00:41:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	148992	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	583150	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	203110	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	302053	20.00	ng	-0.01
75) Chrysene-d12	13.90	240	296804	20.00	ng	-0.01
86) Perylene-d12	15.33	264	209913	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	913555	88.34	ng	0.00
7) Phenol-d6	6.39	99	1123285	89.70	ng	0.00
23) Nitrobenzene-d5	7.32	82	659724	78.32	ng	-0.04
41) 2,4,6-Tribromophenol	10.58	330	174355	109.08	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	906999	81.78	ng	-0.03
78) Terphenyl-d14	12.86	244	609773	51.26	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.06	128	61880	2.20	ng	99
35) Caprolactam	8.43	113	12141	4.77	ng	# 52
37) 2-Methylnaphthalene	8.75	142	50584	2.77	ng	96
48) Acenaphthylene	9.65	152	55459	2.59	ng	96
49) Dimethylphthalate	9.51	163	199510	13.73	ng	99
71) Anthracene	11.34	178	55693	3.30	ng	99
74) Fluoranthene	12.48	202	137599	8.20	ng	96
77) Pyrene	12.71	202	159074	6.52	ng	99
80) Benzo(a)anthracene	13.89	228	113354m	6.27	ng	
82) Chrysene	13.93	228	125634	6.71	ng	97
85) Indeno(1,2,3-cd)pyrene	16.70	276	79319	5.11	ng	94
87) Benzo(b)fluoranthene	14.92	252	221431m	16.06	ng	
88) Benzo(k)fluoranthene	14.94	252	47283m	3.76	ng	
89) Benzo(a)pyrene	15.26	252	94991	7.80	ng	# 93
91) Benzo(a,h,i)perylene	17.12	276	76606	7.73	ng	98

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

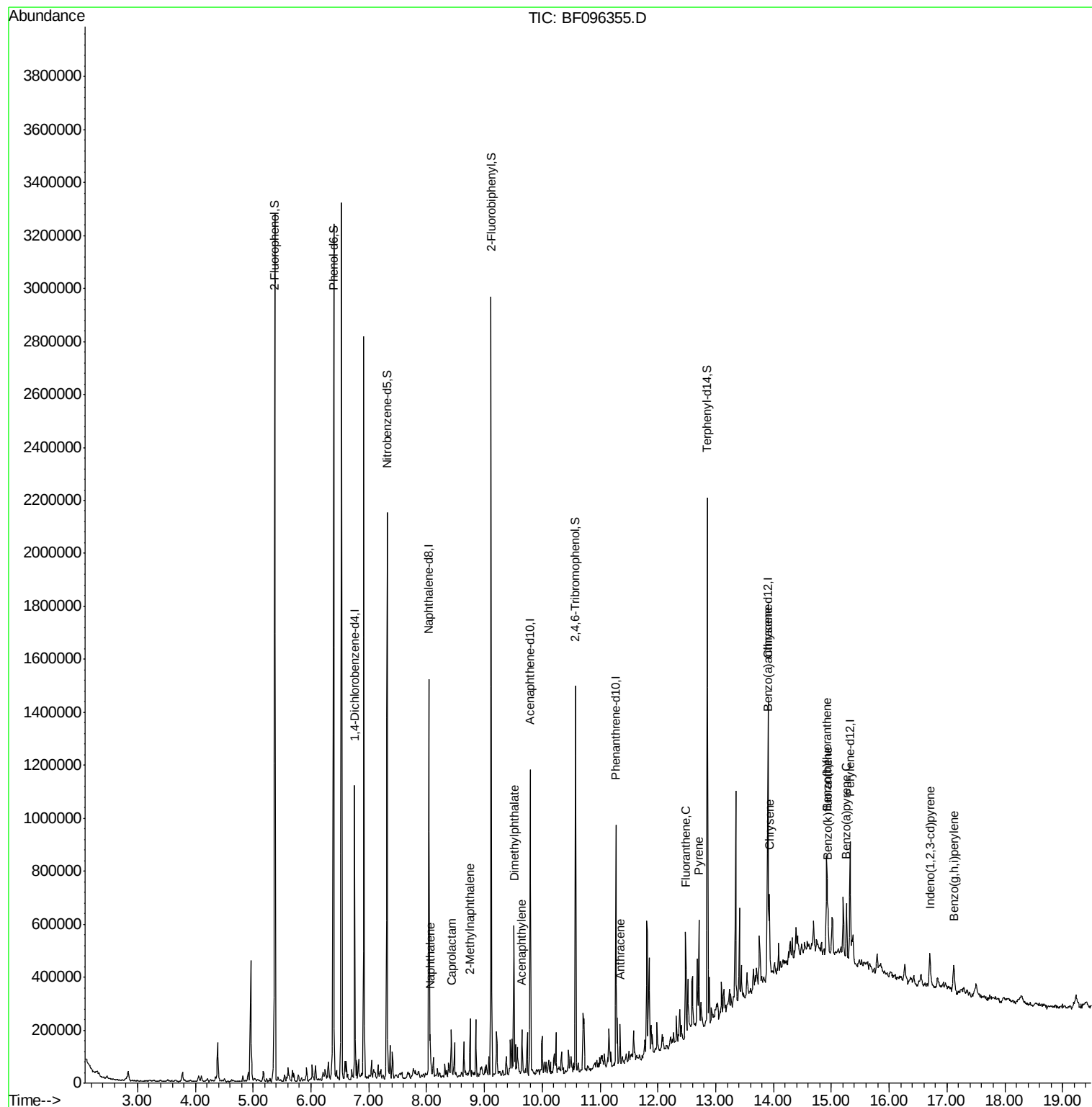
Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
Data File : BF096355.D
Acq On : 1 Jul 2017 00:03
Operator : SJ/MA
Sample : I3930-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

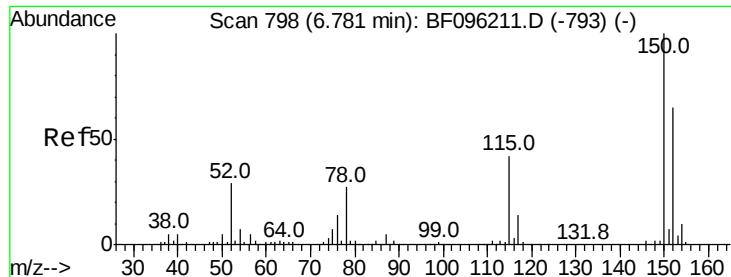
Instrument :
BNA_F
ClientSampleId :
B2-2-4

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Quant Time: Jul 01 00:41:55 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

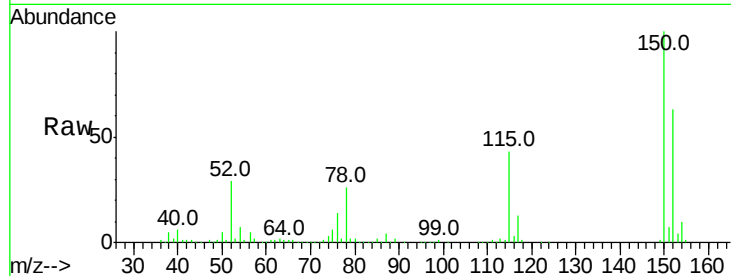
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF096355.D
Acq: 1 Jul 2017 00:03

Instrument :
BNA_F
ClientSampleId :
B2-2-4

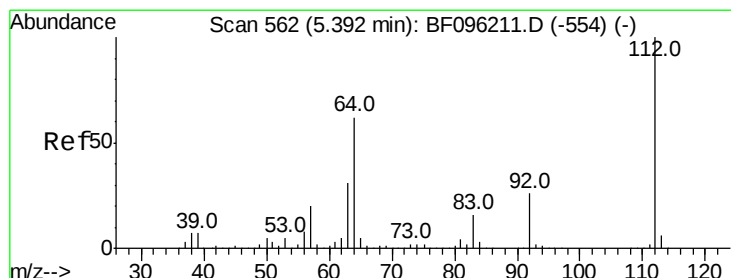
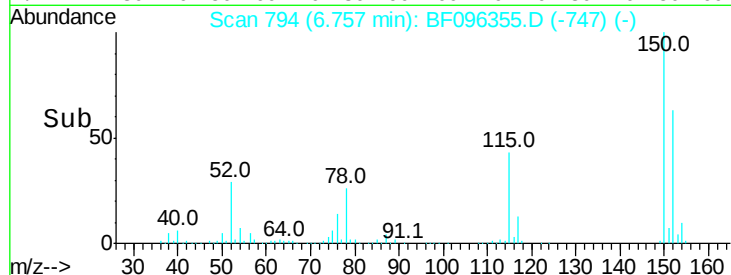
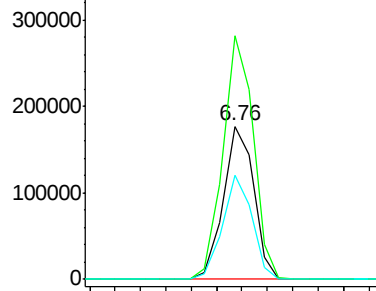
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.2	189.2
115	68.3	52.2	78.2

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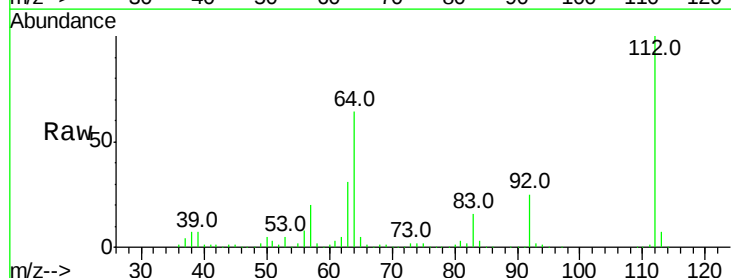
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



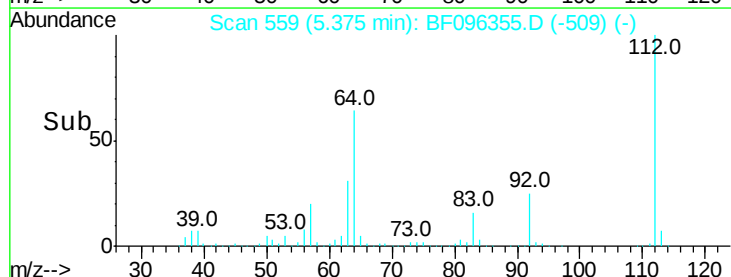
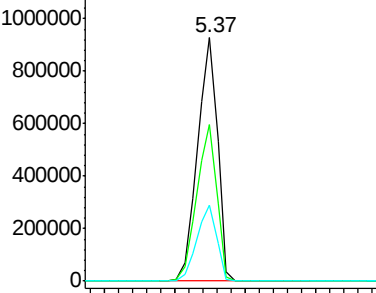
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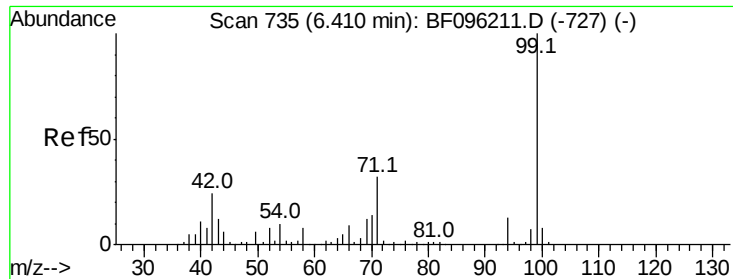
2-Fluorophenol
Concen: 88.34 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096355.D
Acq: 1 Jul 2017 00:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	46.0	69.0
63	31.4	23.4	35.0



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: 89.70 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096355.D

Acq: 1 Jul 2017 00:03

Instrument :

BNA_F

ClientSampled :

B2-2-4

Tot Ion: 99 Resp: 1123285

Ion Ratio Lower Upper

99 100

42 22.0 13.5 20.3#

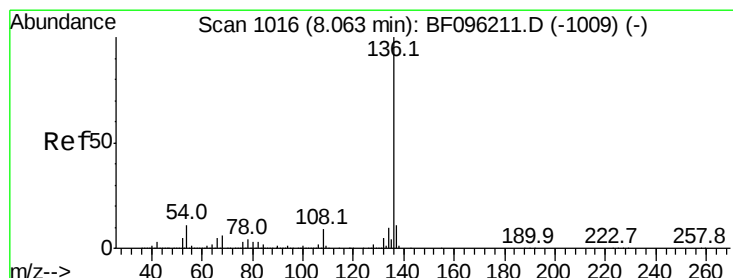
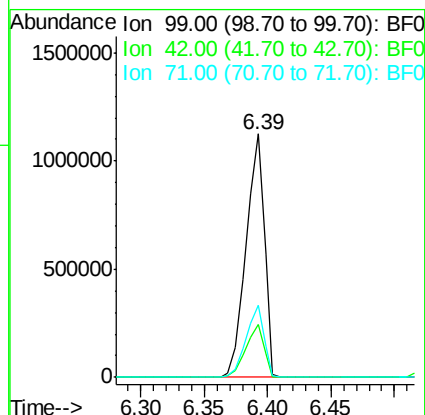
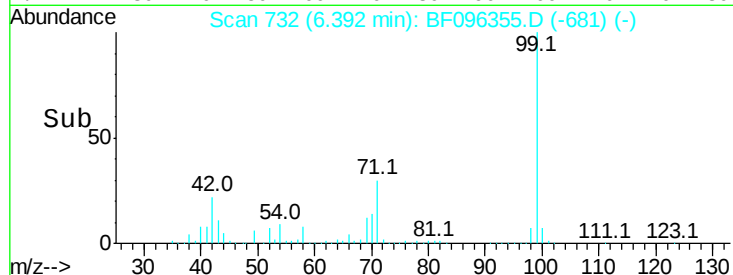
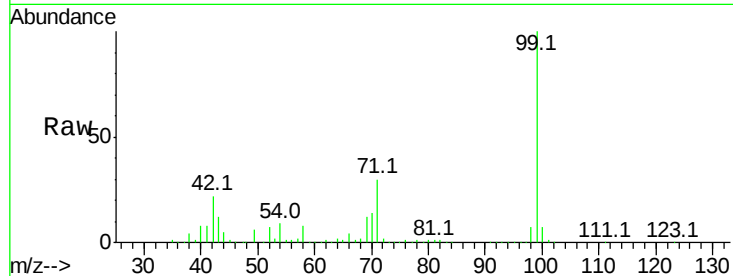
71 29.8 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: BF096355.D

Acq: 1 Jul 2017 00:03

Tgt Ion: 136 Resp: 583150

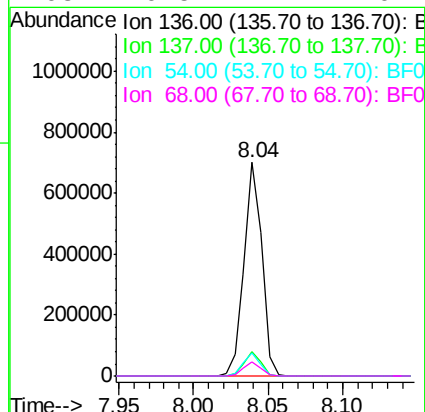
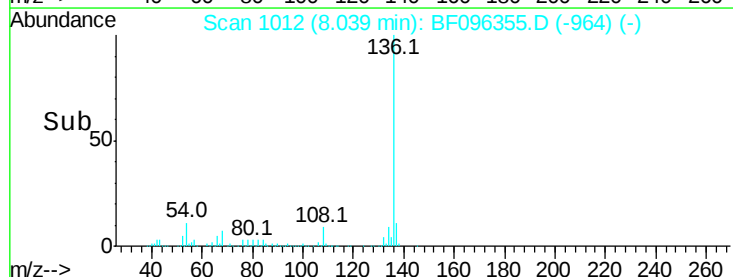
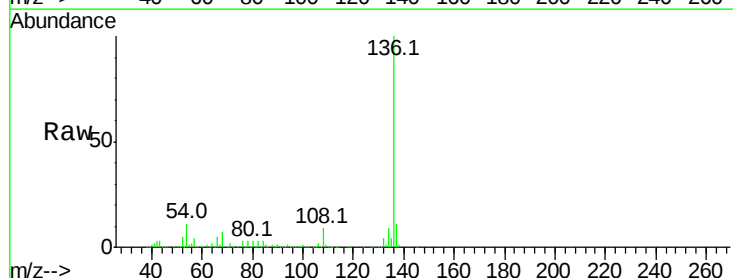
Ion Ratio Lower Upper

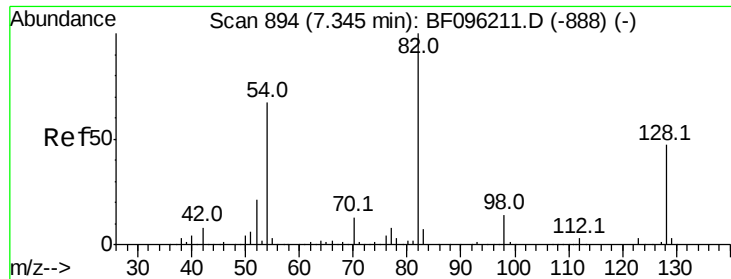
136 100

137 11.3 8.5 12.7

54 10.8 4.9 7.3#

68 6.5 4.1 6.1#





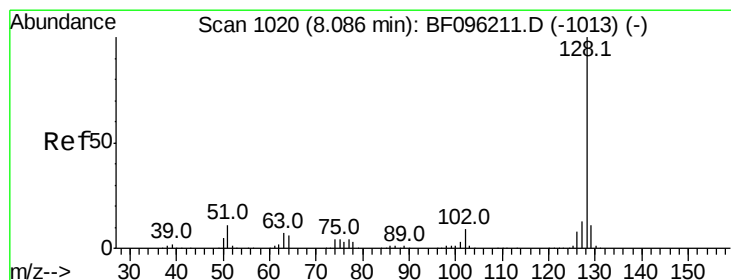
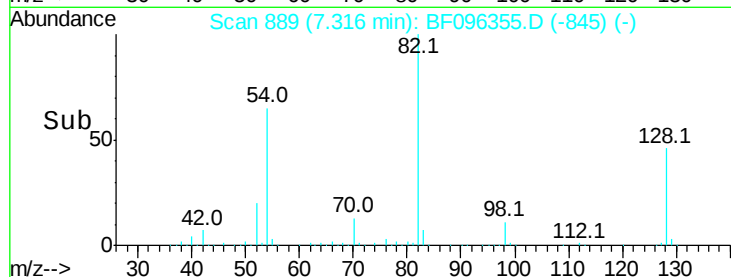
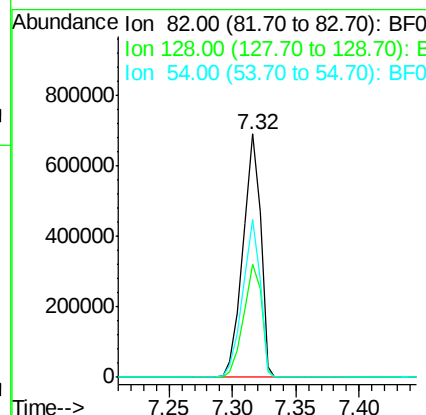
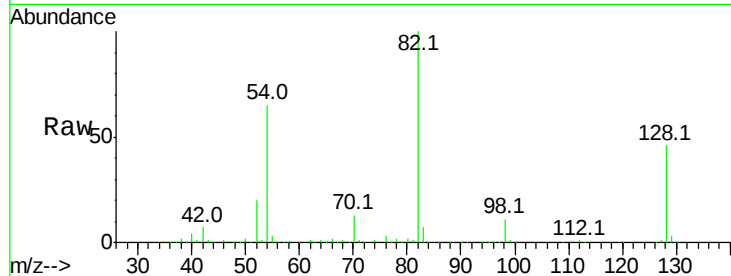
#23
Nitrobenzene-d5
Concen: 78.32 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.04 min
Lab File: BF096355.D
Acq: 1 Jul 2017 00:03

Instrument :
BNA_F
ClientSampleId :
B2-2-4

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.0	51.0
54	64.6	42.2	63.2

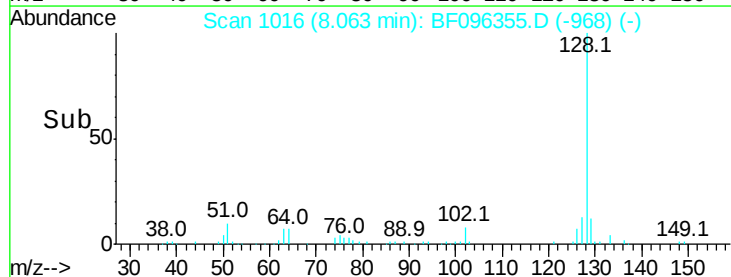
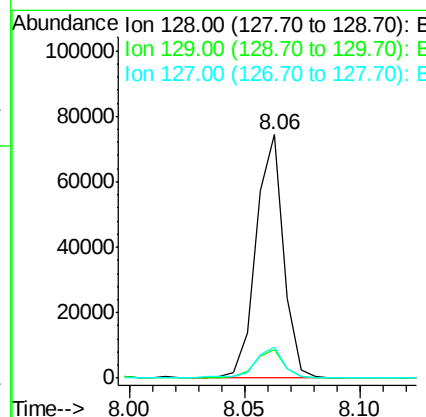
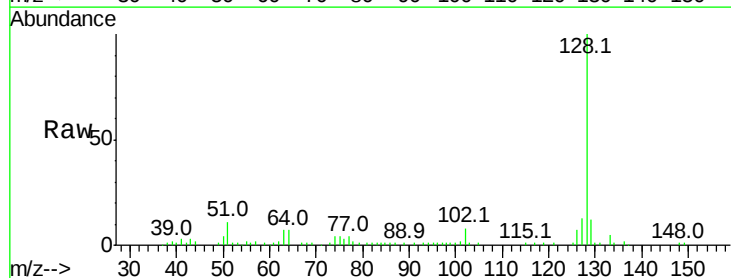
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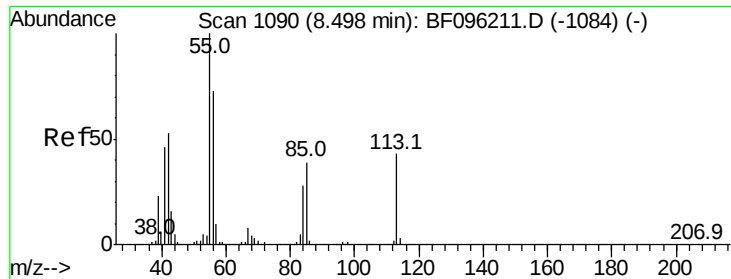
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#31
Naphthalene
Concen: 2.20 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.02 min
Lab File: BF096355.D
Acq: 1 Jul 2017 00:03

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.6
127	12.7	10.8	16.2





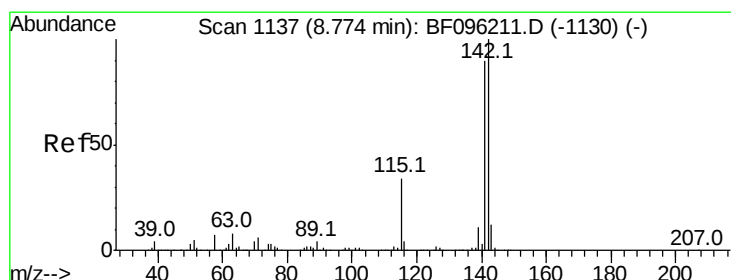
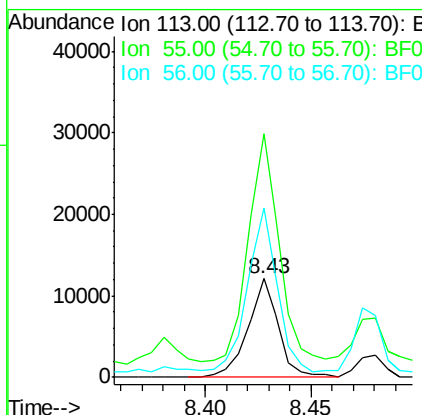
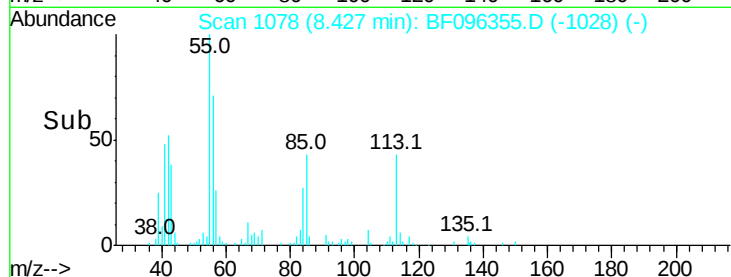
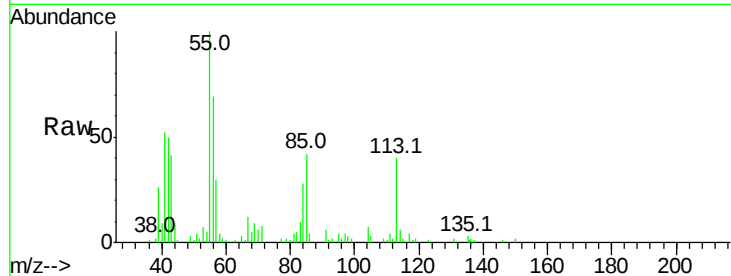
#35
 Caprolactam
 Concen: 4.77 ng
 RT: 8.43 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: BF096355.D
 Acq: 1 Jul 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :
 B2-2-4

Tot Ion	Ratio	Lower	Upper
113	100		
55	247.4	150.2	190.2#
56	171.5	107.8	147.8#

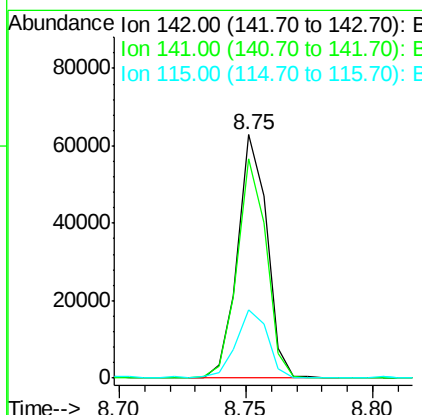
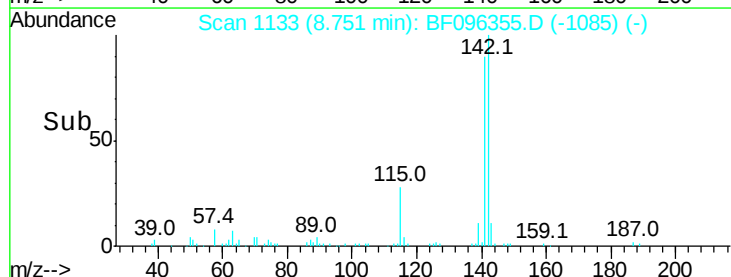
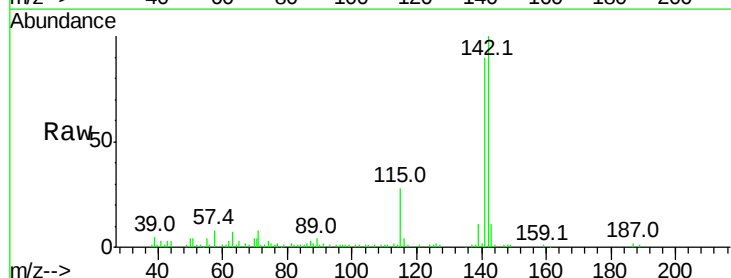
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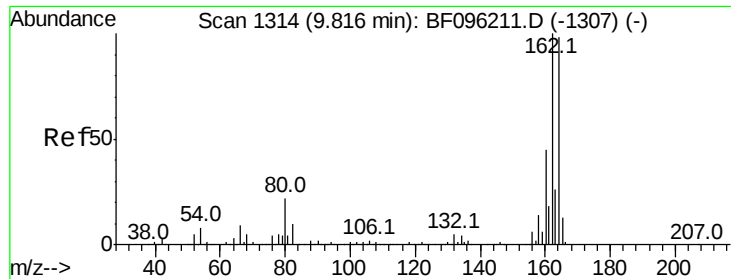
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#37
 2-Methylnaphthalene
 Concen: 2.77 ng
 RT: 8.75 min Scan# 1133
 Delta R.T. -0.02 min
 Lab File: BF096355.D
 Acq: 1 Jul 2017 00:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	71.3	106.9
115	28.0	27.1	40.7





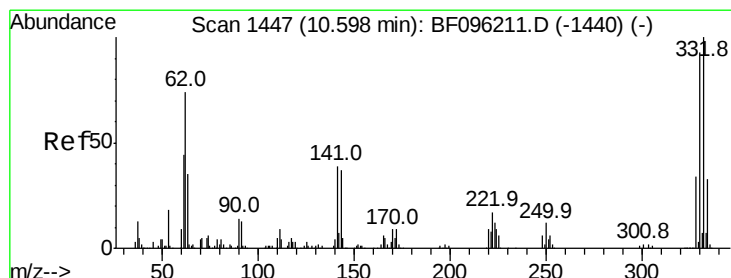
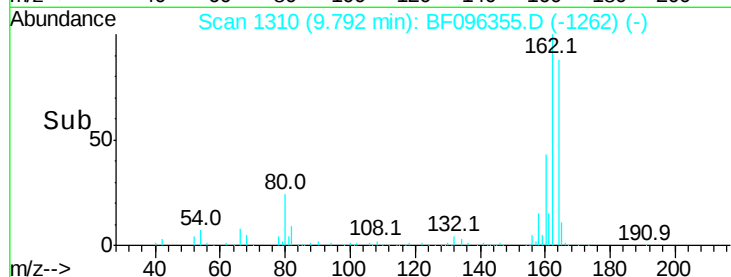
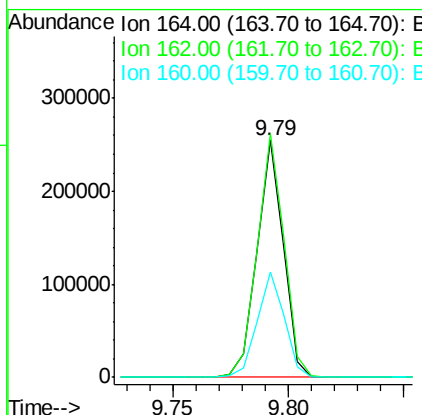
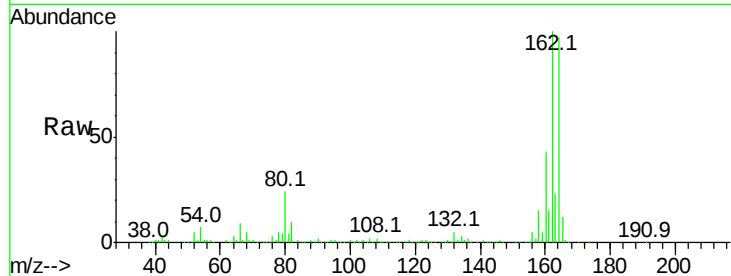
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF096355.D
Acq: 1 Jul 2017 00:03

Instrument :
BNA_F
ClientSampleId :
B2-2-4

Tot Ion	Ratio	Resp	Lower	Upper
164	100	203110		
162	102.8	82.6	123.8	
160	44.3	36.2	54.2	

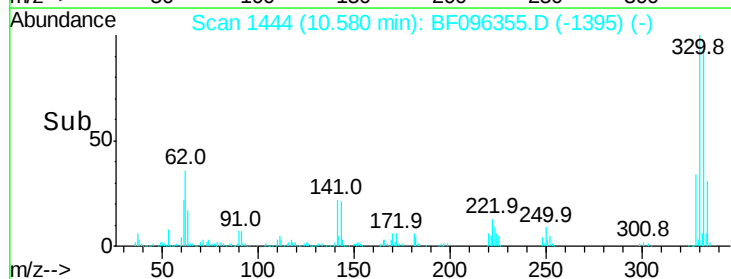
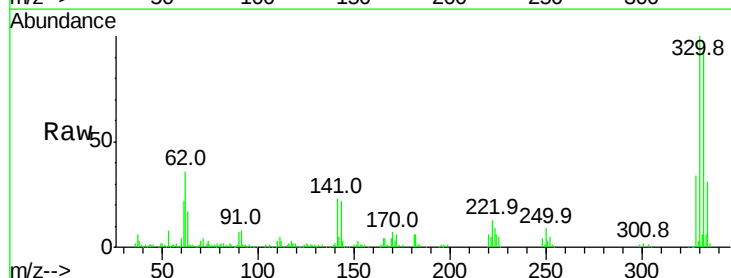
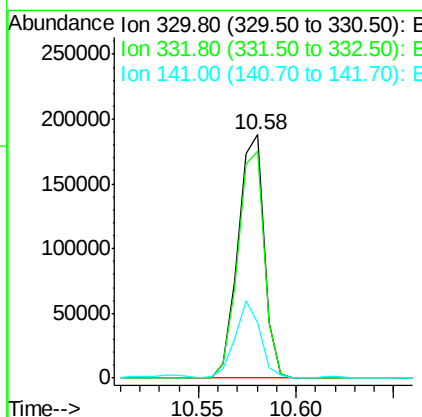
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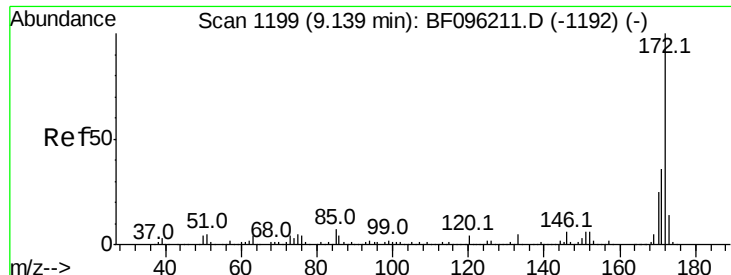
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#41
2,4,6-Tribromophenol
Concen: 109.08 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF096355.D
Acq: 1 Jul 2017 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	174355		
332	94.5	76.6	115.0	
141	30.2	31.4	47.2	





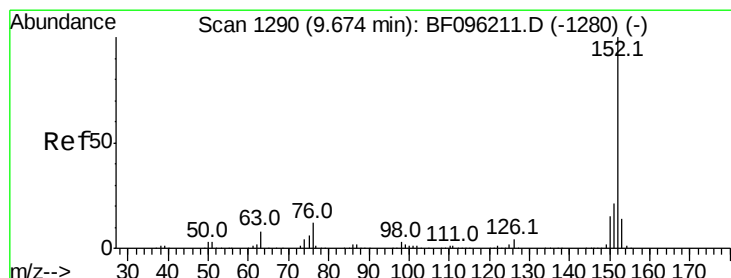
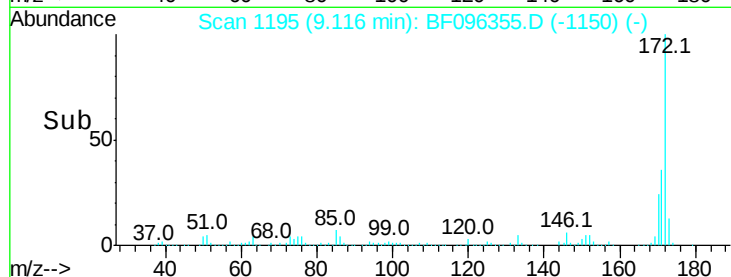
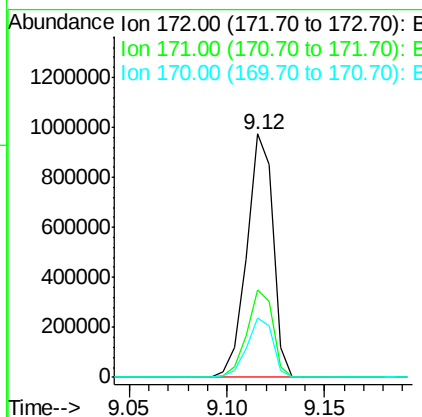
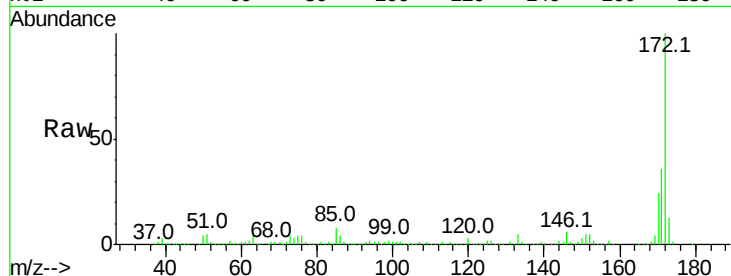
#44
 2-Fluorobiphenyl
 Concen: 81.78 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.03 min
 Lab File: BF096355.D
 Acq: 1 Jul 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :
 B2-2-4

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.0		29.6	44.4
170	24.1		19.8	29.8

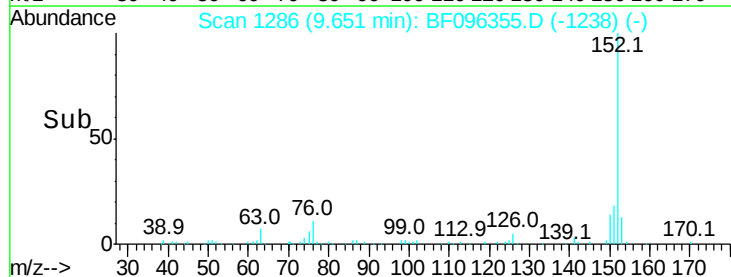
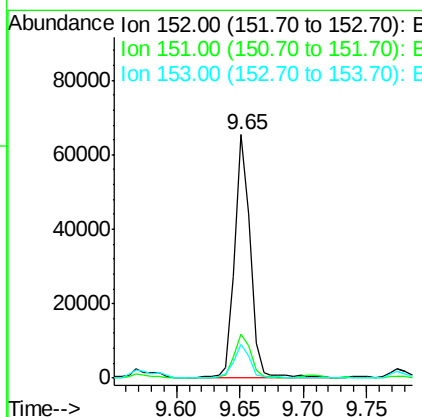
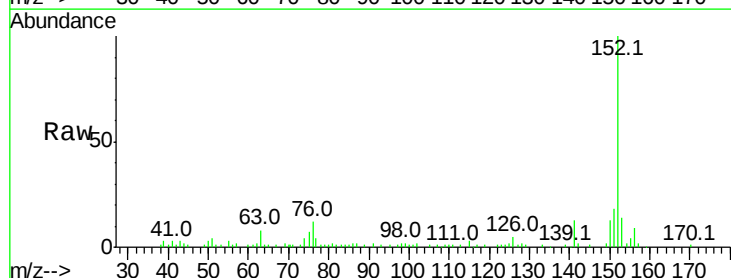
Manual Integrations
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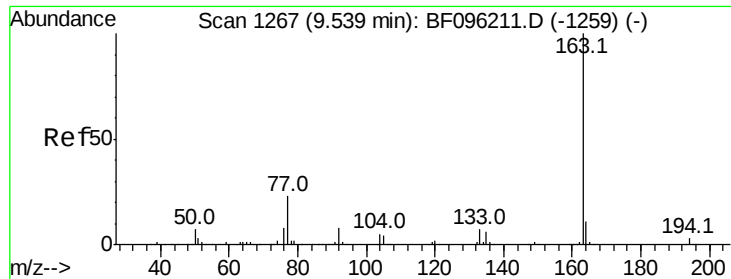
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#48
 Acenaphthylene
 Concen: 2.59 ng
 RT: 9.65 min Scan# 1286
 Delta R.T. -0.02 min
 Lab File: BF096355.D
 Acq: 1 Jul 2017 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	18.2		16.8	25.2
153	13.9		10.8	16.2





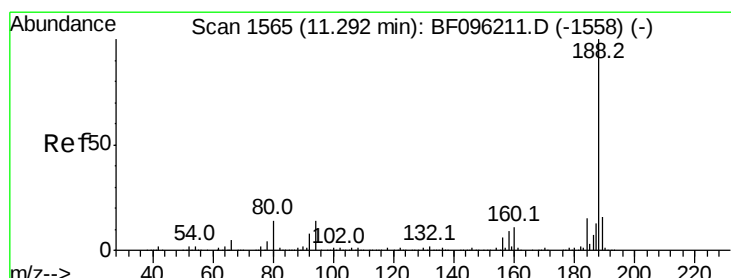
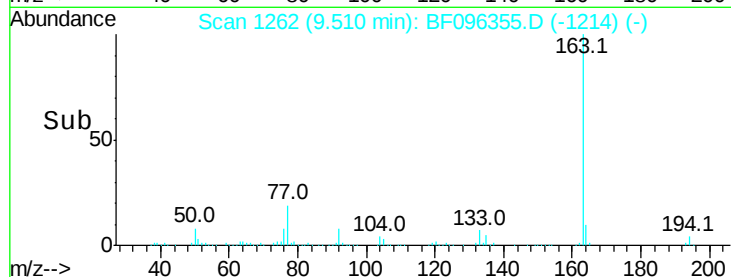
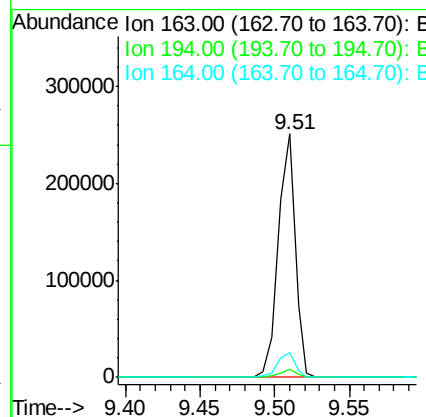
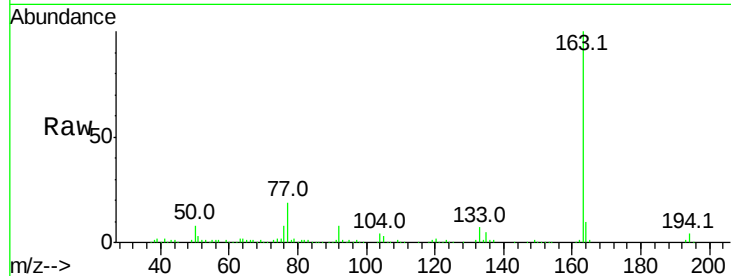
#49
Dimethylphthalate
Concen: 13.73 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF096355.D
Acq: 1 Jul 2017 00:03

Instrument :
BNA_F
ClientSampleId :
B2-2-4

Tot Ion	Ratio	Resp	Lower	Upper
163	100	199510		
194	3.6		2.6	4.0
164	10.1		8.4	12.6

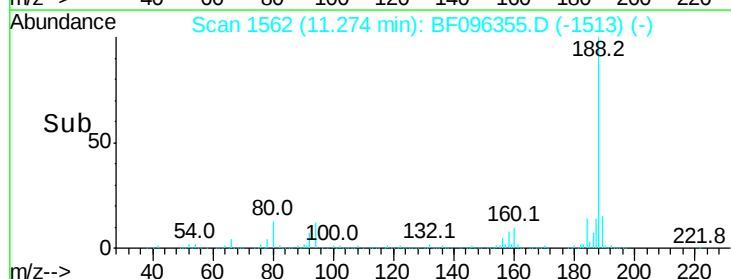
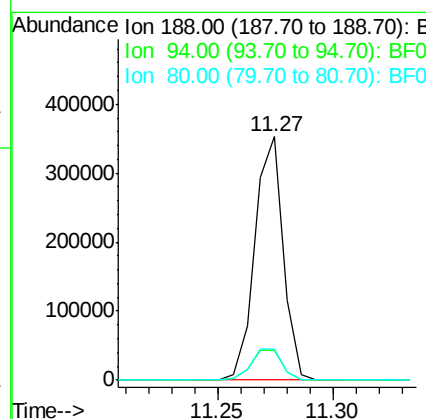
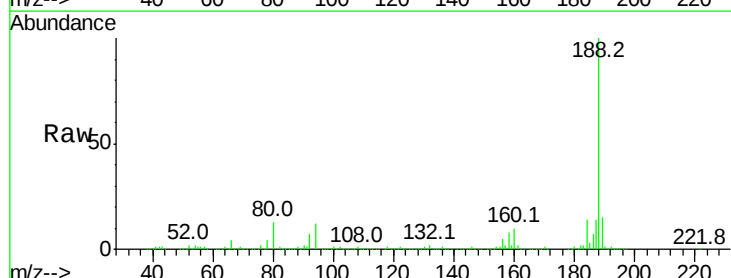
Manual Integrations
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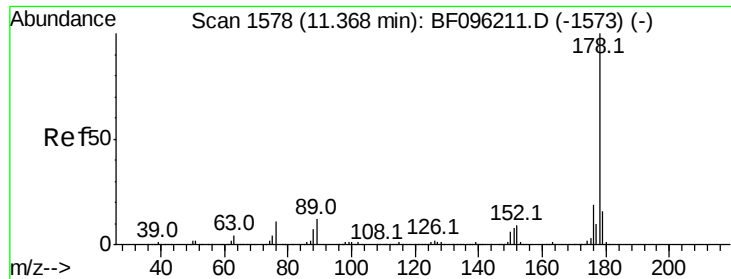
mohammad
7/3/2017 11:37:32 AM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF096355.D
Acq: 1 Jul 2017 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	302053		
94	12.3		9.4	14.2
80	12.9		10.2	15.2





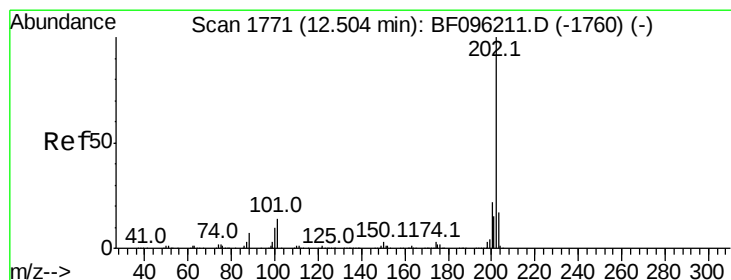
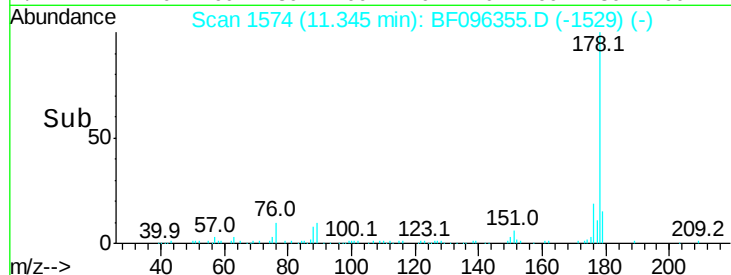
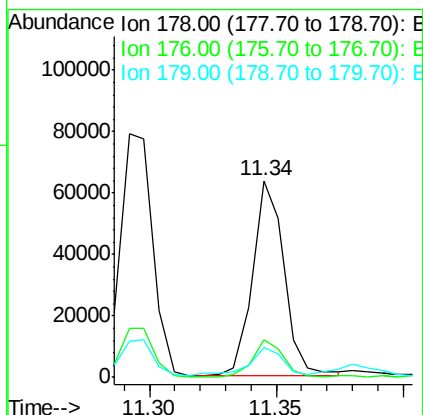
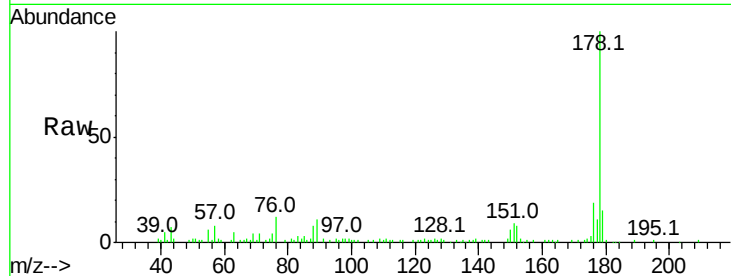
#71
 Anthracene
 Concen: 3.30 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.04 min
 Lab File: BF096355.D
 Acq: 1 Jul 2017 00:03

Instrument :
 BNA_F
 ClientSampled :
 B2-2-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.4	12.7	19.1

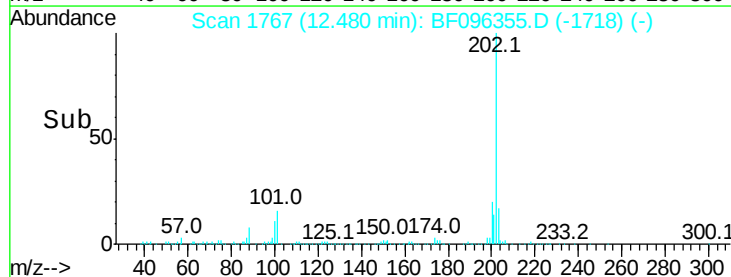
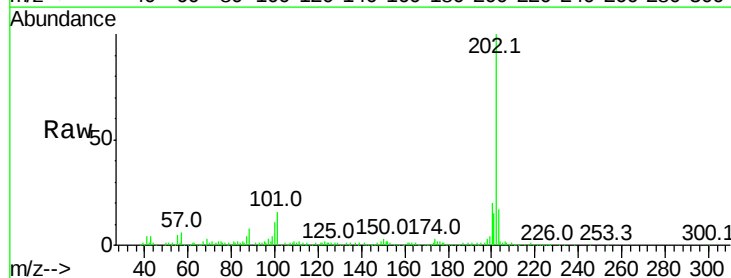
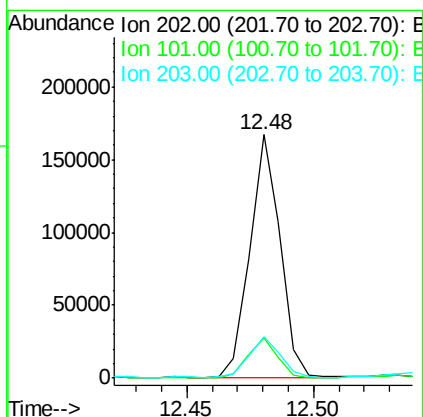
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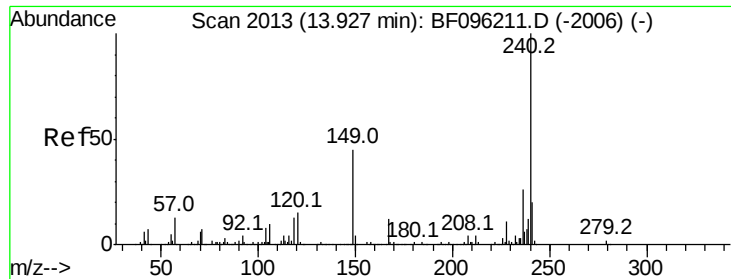
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#74
 Fluoranthene
 Concen: 8.20 ng
 RT: 12.48 min Scan# 1767
 Delta R.T. -0.01 min
 Lab File: BF096355.D
 Acq: 1 Jul 2017 00:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.3	0.0	33.2
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF096355.D

Acq: 1 Jul 2017 00:03

Instrument :

BNA_F

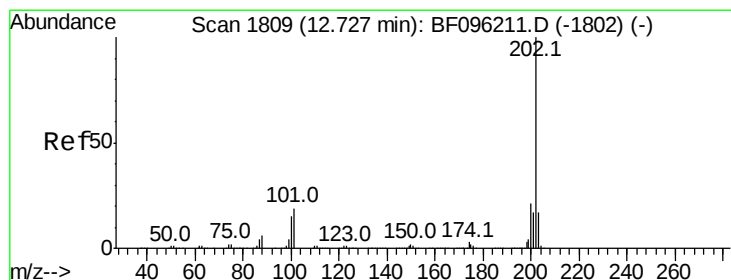
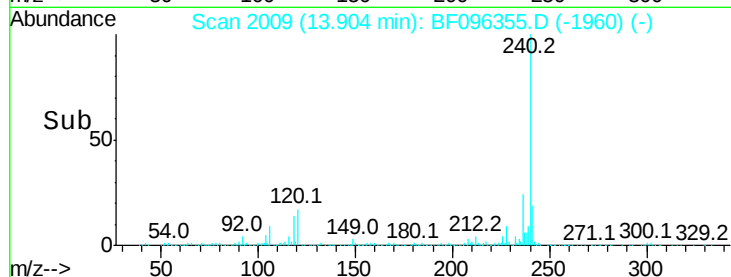
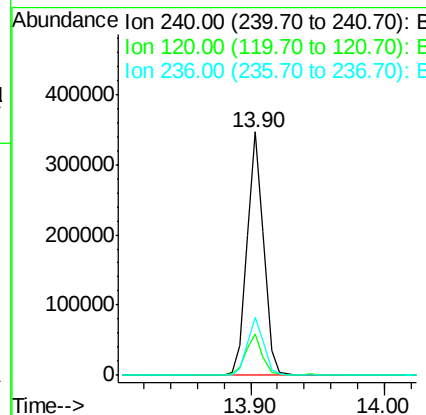
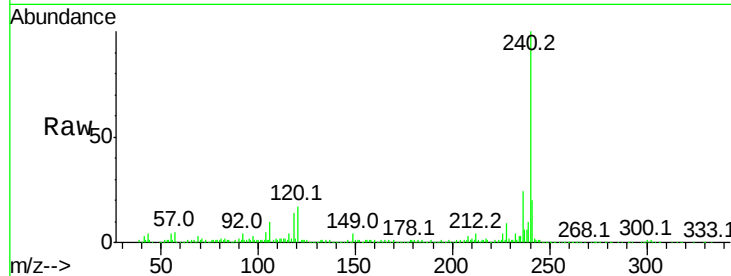
ClientSampleId :

B2-2-4

Tot Ion	Ratio	Resp	Lower	Upper
240	100	296804		
120	17.0	5.8	8.8#	
236	23.9	20.5	30.7	

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#77

Pyrene

Concen: 6.52 ng

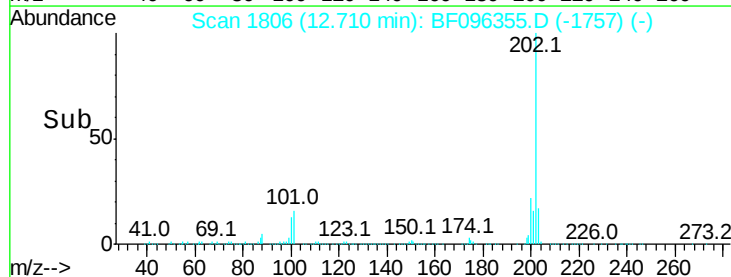
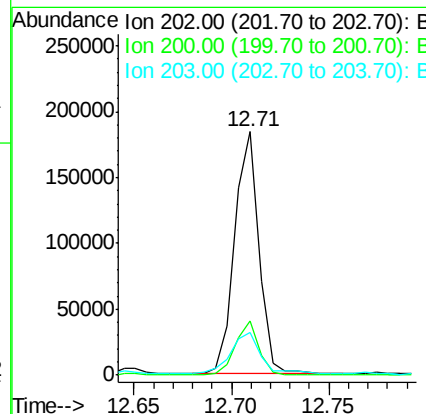
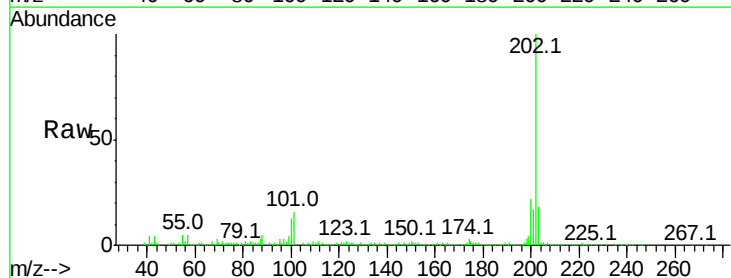
RT: 12.71 min Scan# 1806

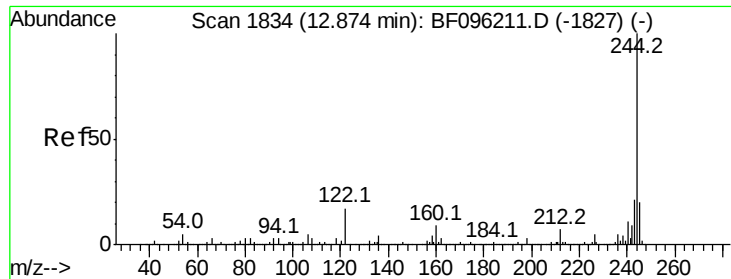
Delta R.T. -0.01 min

Lab File: BF096355.D

Acq: 1 Jul 2017 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	159074		
200	22.3	17.6	26.4	
203	17.6	14.4	21.6	





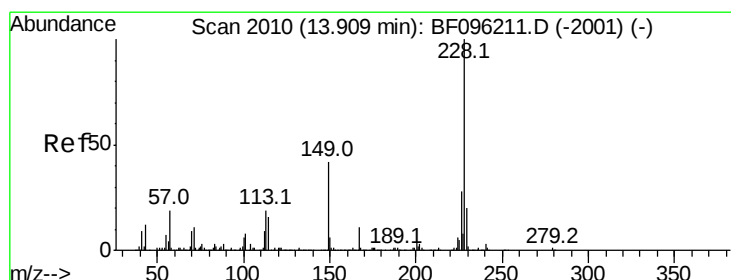
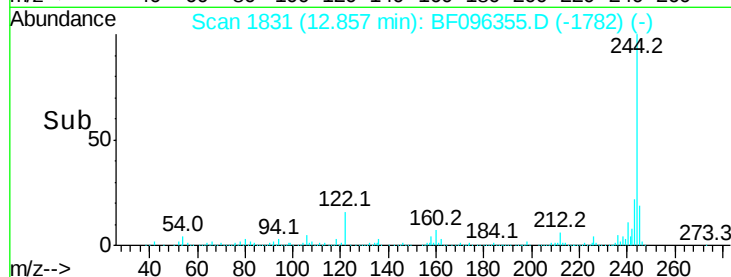
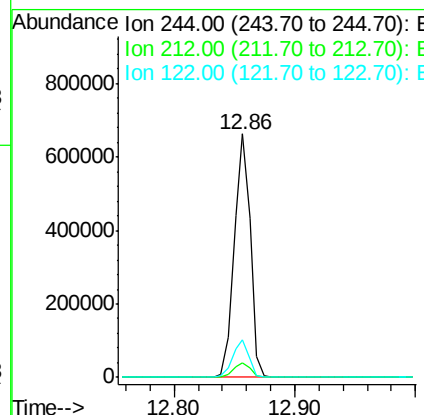
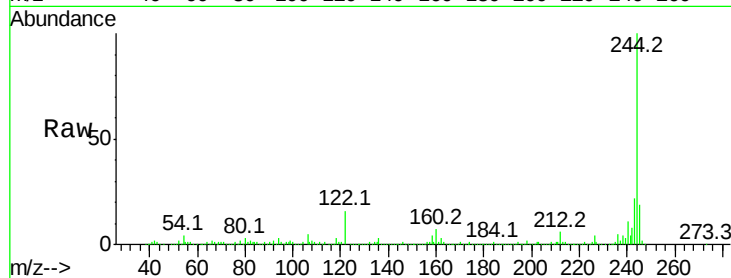
#78
 Terphenyl-d14
 Concen: 51.26 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. -0.01 min
 Lab File: BF096355.D
 Acq: 1 Jul 2017 00:03

Instrument :
 BNA_F
 ClientSampled :
 B2-2-4

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.2	6.0	9.0
122	15.7	10.3	15.5#

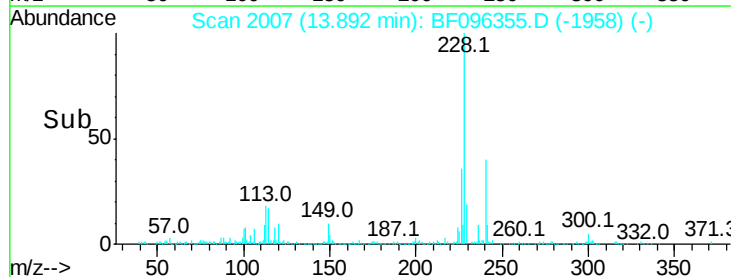
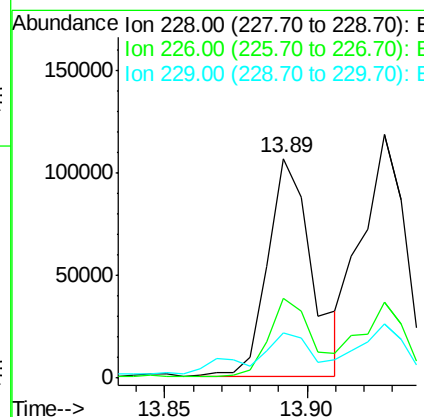
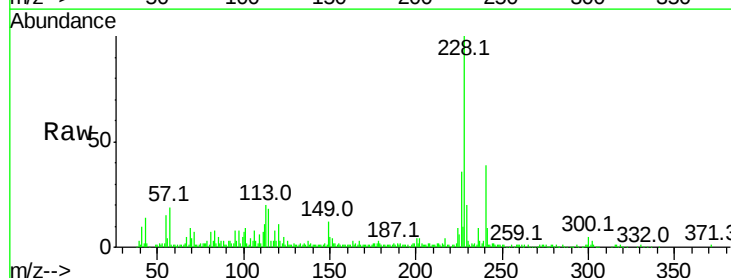
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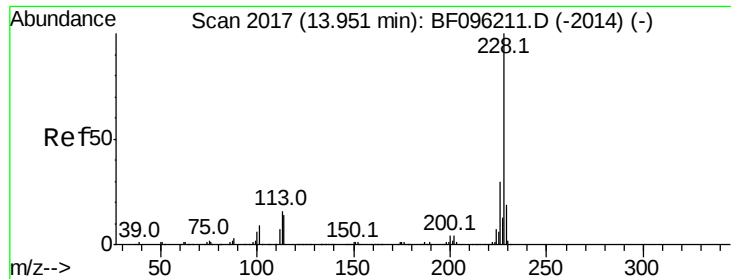
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#80
 Benzo(a)anthracene
 Concen: 6.27 ng m
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF096355.D
 Acq: 1 Jul 2017 00:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.4	22.6	33.8#
229	20.3	16.3	24.5





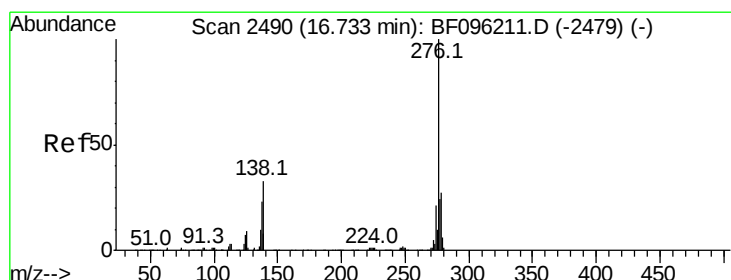
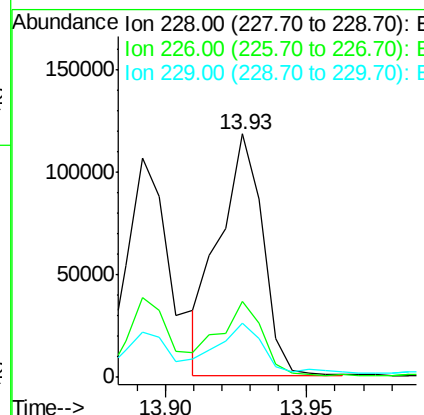
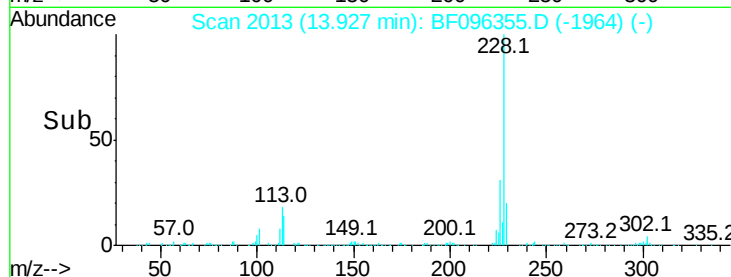
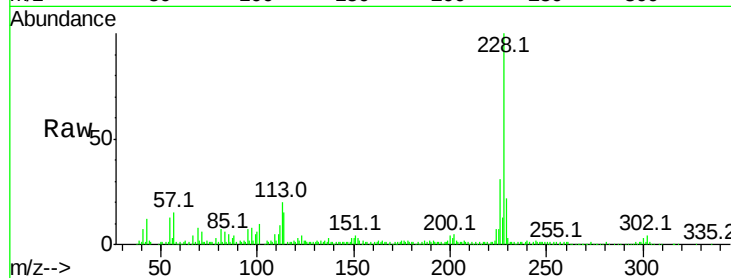
#82
Chrysene
Concen: 6.71 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF096355.D
Acq: 1 Jul 2017 00:03

Instrument :
BNA_F
ClientSampled :
B2-2-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	22.4	15.8	23.6

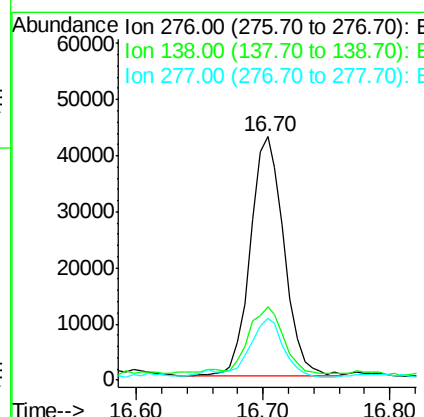
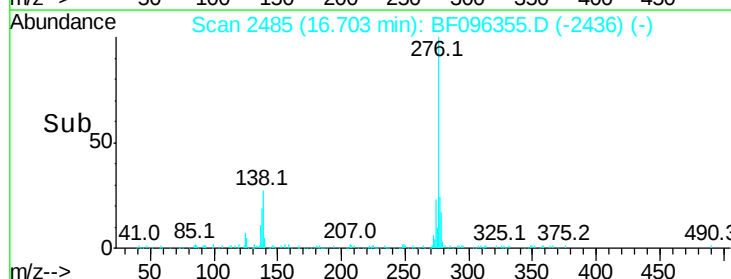
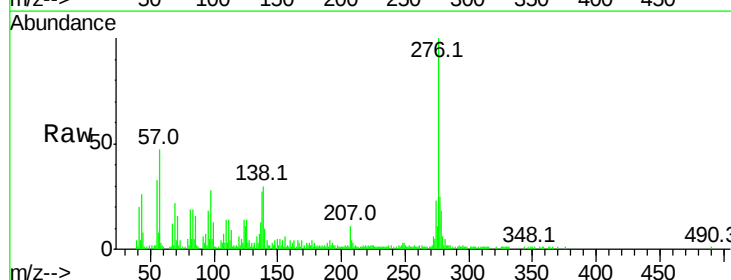
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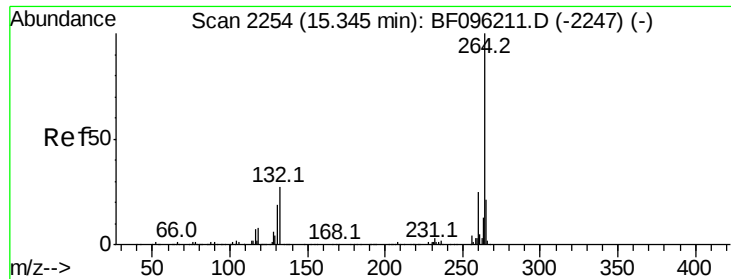
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.11 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.01 min
Lab File: BF096355.D
Acq: 1 Jul 2017 00:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.7	27.8	41.6
277	23.9	20.2	30.4





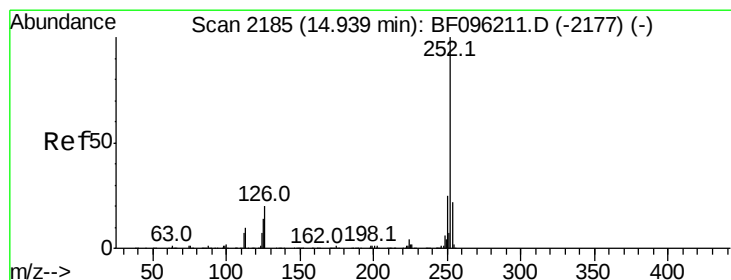
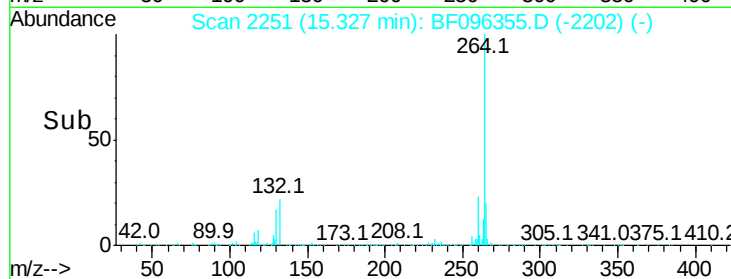
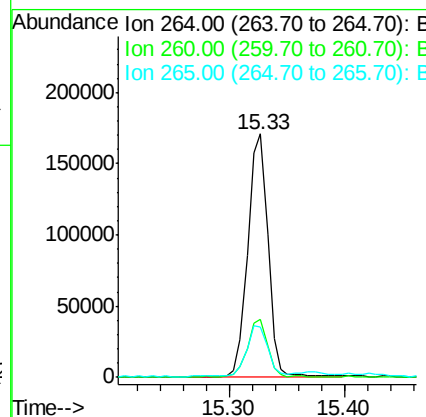
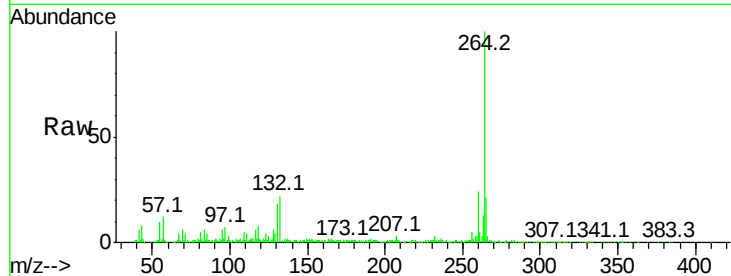
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF096355.D
Acq: 1 Jul 2017 00:03

Instrument :
BNA_F
ClientSampled :
B2-2-4

Tot Ion	Ratio	Resp	Lower	Upper
264	100	209913		
260	23.7		19.5	29.3
265	20.9		17.2	25.8

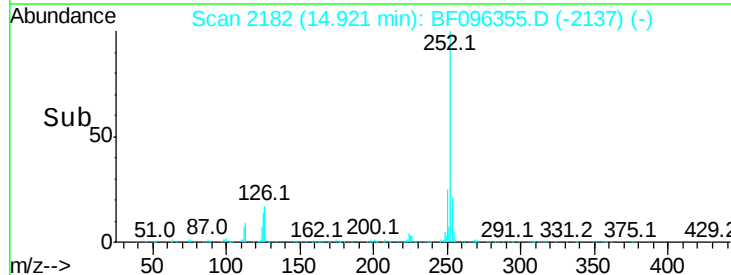
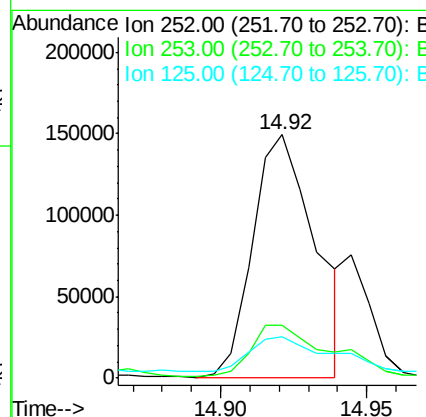
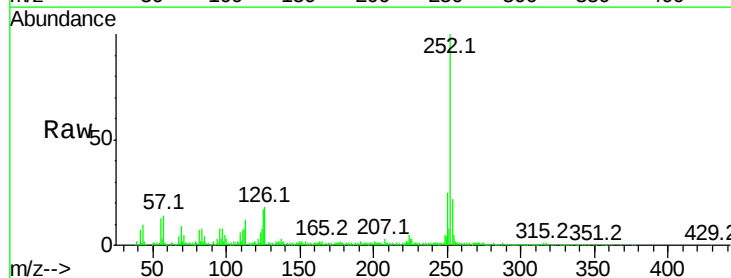
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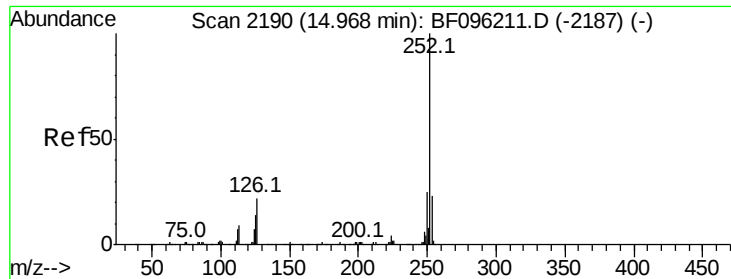
mohammad
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#87
Benzo(b)fluoranthene
Concen: 16.06 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.04 min
Lab File: BF096355.D
Acq: 1 Jul 2017 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	221431		
253	21.9		18.1	27.1
125	17.1		9.8	14.8#





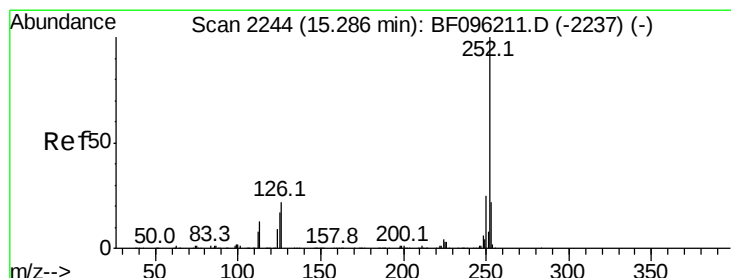
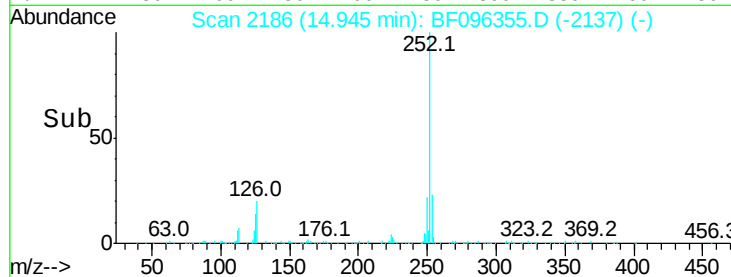
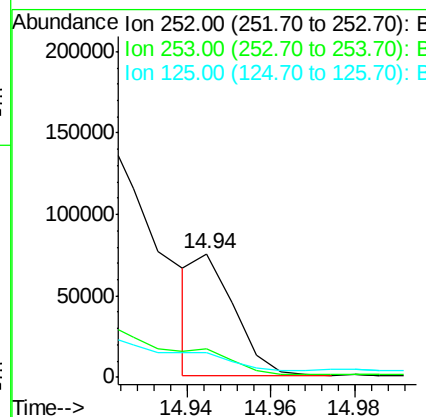
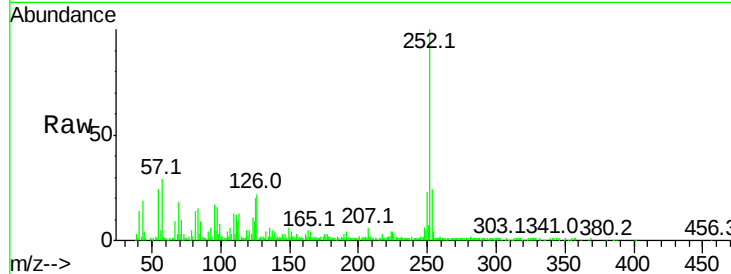
#88
Benzo(k)fluoranthene
Concen: 3.76 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF096355.D
Acq: 1 Jul 2017 00:03

Instrument :
BNA_F
ClientSampled :
B2-2-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	19.7	13.1	19.7

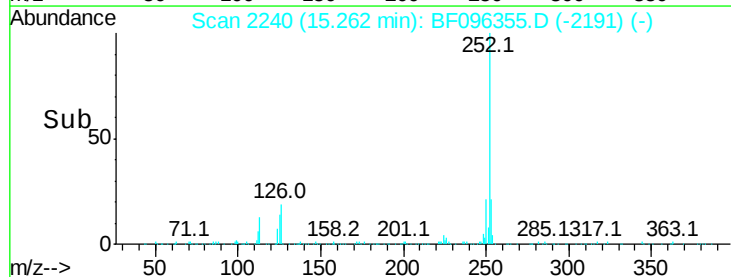
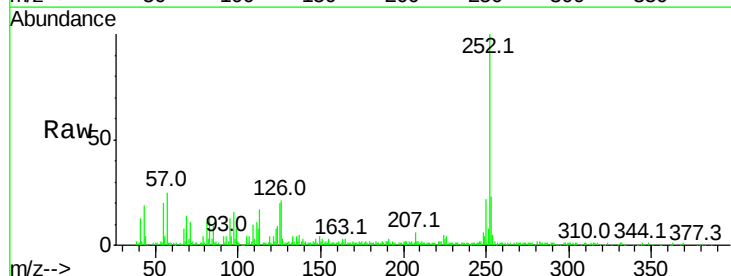
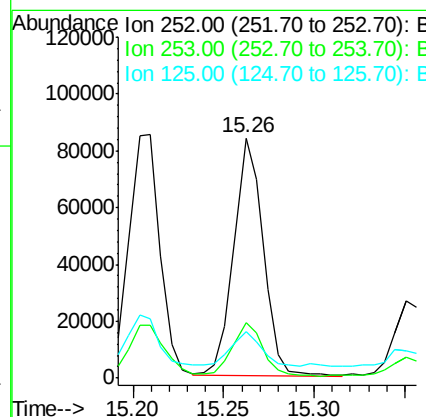
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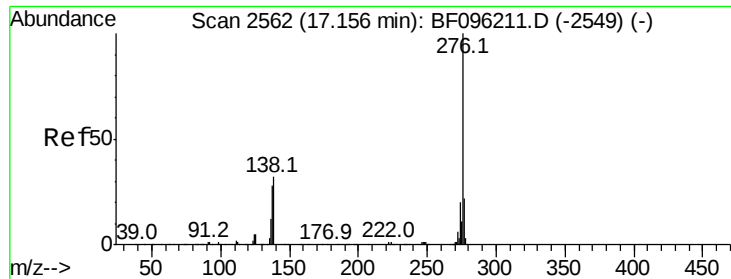
mohammad
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#89
Benzo(a)pyrene
Concen: 7.80 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF096355.D
Acq: 1 Jul 2017 00:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	19.6	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.73 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. -0.01 min
 Lab File: BF096355.D
 Acq: 1 Jul 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :
 B2-2-4

Tot Ion:	276	Resp:	76606
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.6	28.0
138	30.4	25.4	38.0

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