

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095591.D
 Acq On : 1 Jun 2017 10:26
 Operator : SJ/MA
 Sample : I3329-08DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 B-18(0-5)DL

Manual Integrations
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Quant Time: Jun 01 13:58:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 03:03:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	82178	20.00	ng	0.00
21) Naphthalene-d8	9.58	136	328539	20.00	ng	0.00
38) Acenaphthene-d10	12.41	164	133771	20.00	ng	0.00
63) Phenanthrene-d10	14.81	188	200434	20.00	ng	0.00
75) Chrysene-d12	18.51	240	175664	20.00	ng	0.00
86) Perylene-d12	20.18	264	143098	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	83524	16.95	ng	0.04
7) Phenol-d6	7.15	99	110484	18.68	ng	0.04
23) Nitrobenzene-d5	8.48	82	62618	12.02	ng	0.00
41) 2,4,6-Tribromophenol	13.72	330	16803	15.34	ng	0.00
44) 2-Fluorobiphenyl	11.36	172	124992	13.45	ng	0.00
78) Terphenyl-d14	17.15	244	71116	8.92	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	12.06	163	22198	2.02	ng	# 97
51) Acenaphthene	12.47	154	18181	2.14	ng	94
54) Dibenzofuran	12.77	168	25216	2.14	ng	99
57) Fluorene	13.31	166	22714	2.22	ng	97
70) Phenanthrene	14.85	178	352507	30.61	ng	98
71) Anthracene	14.94	178	75112	6.39	ng	95
72) Carbazole	15.24	167	34418	3.22	ng	98
74) Fluoranthene	16.61	202	341993	28.95	ng	98
77) Pyrene	16.91	202	283286	21.56	ng	# 96
80) Benzo(a)anthracene	18.49	228	119439	11.68	ng	96
82) Chrysene	18.54	228	112463	11.38	ng	97
85) Indeno(1,2,3-cd)pyrene	21.44	276	37101	4.62	ng	100
87) Benzo(b)fluoranthene	19.78	252	113560m	12.84	ng	
88) Benzo(k)fluoranthene	19.80	252	38658m	4.53	ng	
89) Benzo(a)pyrene	20.12	252	78847	9.66	ng	96
91) Benzo(g,h,i)perylene	21.80	276	34426	5.21	ng	96

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

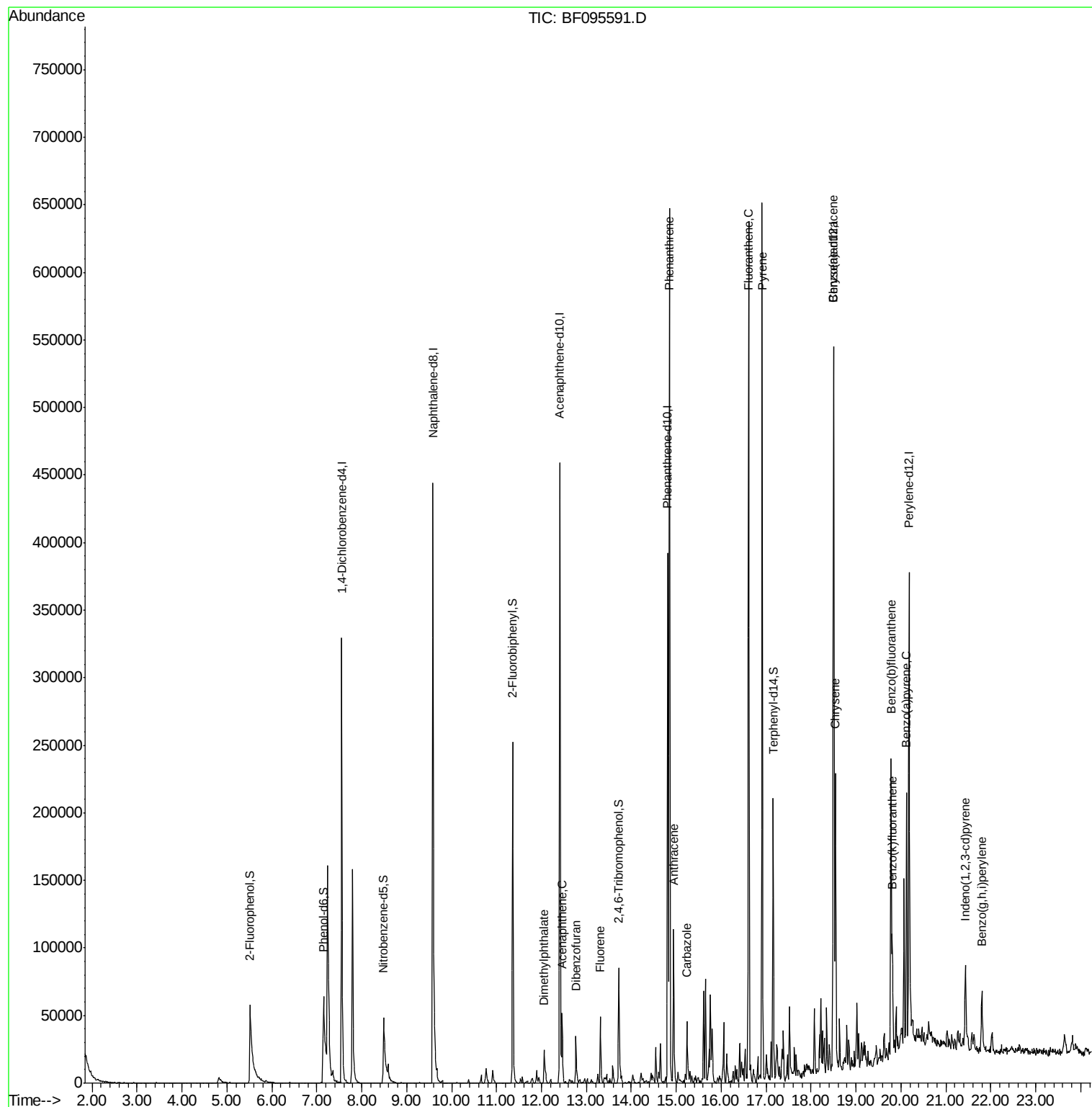
Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
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ALS Vial : 29 Sample Multiplier: 1

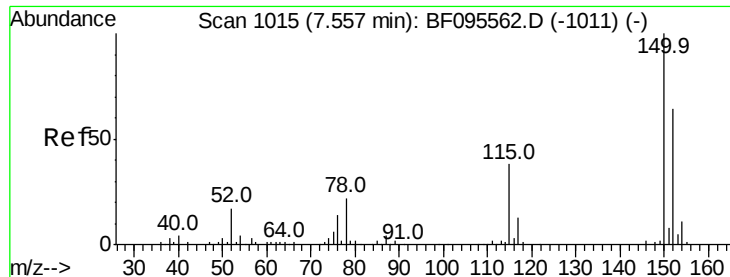
Instrument :
BNA_F
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B-18(0-5)DL

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

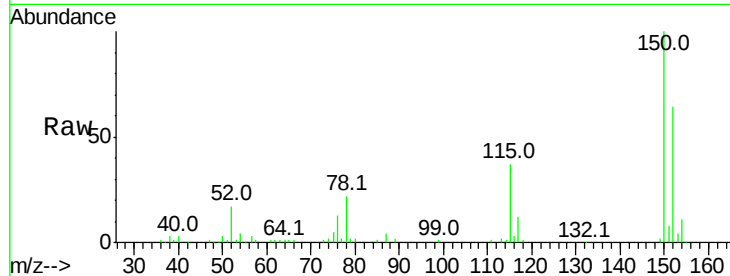
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.55 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: BF095591.D
 Acq: 1 Jun 2017 10:26

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-5)DL

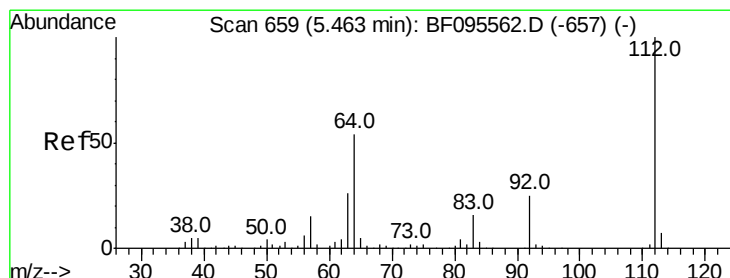
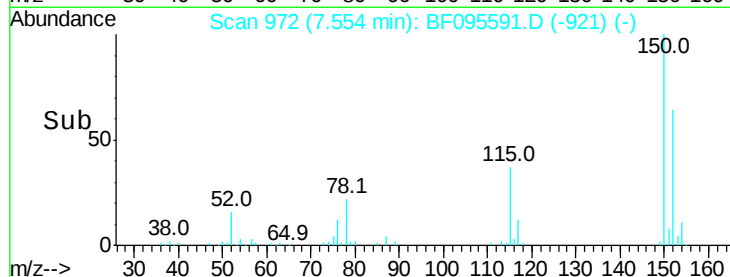
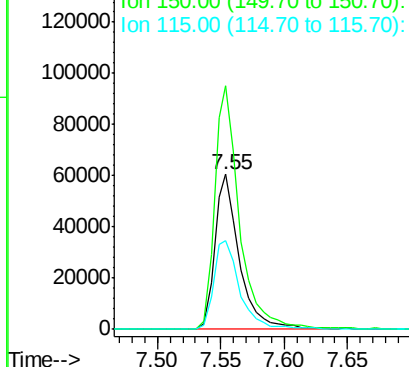
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	57.6	52.2	78.2

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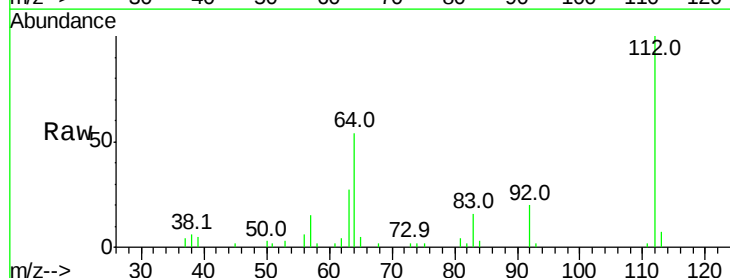
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



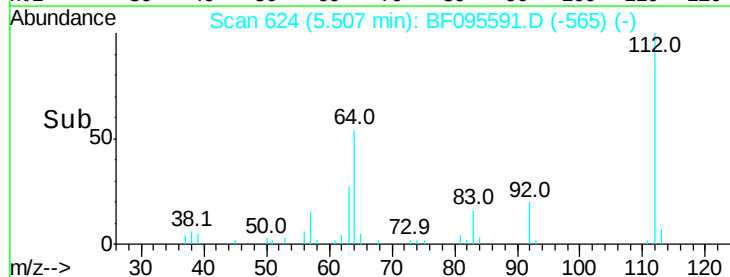
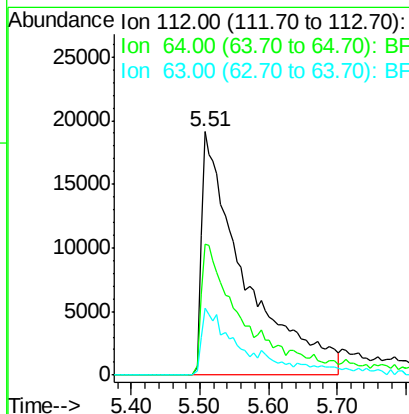
#5

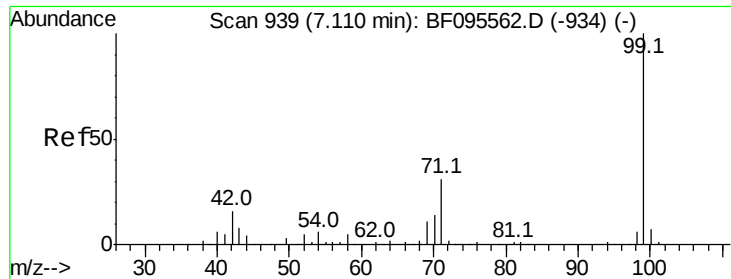
2-Fluorophenol
 Concen: 16.95 ng
 RT: 5.51 min Scan# 624
 Delta R.T. 0.04 min
 Lab File: BF095591.D
 Acq: 1 Jun 2017 10:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	46.0	69.0
63	27.4	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: 18.68 ng

RT: 7.15 min Scan# 903

Delta R.T. 0.04 min

Lab File: BF095591.D

Acq: 1 Jun 2017 10:26

Instrument :

BNA_F

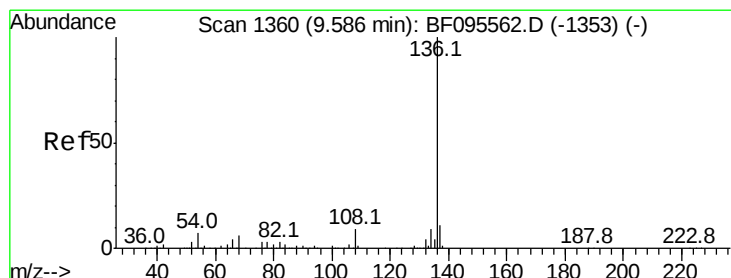
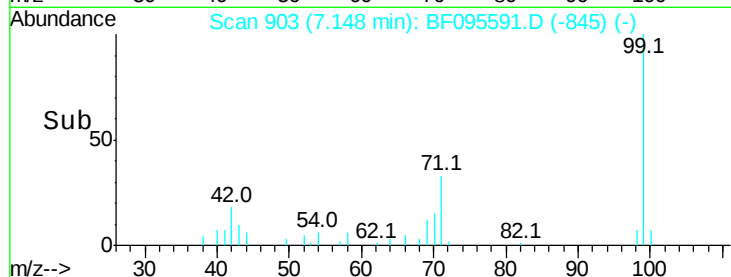
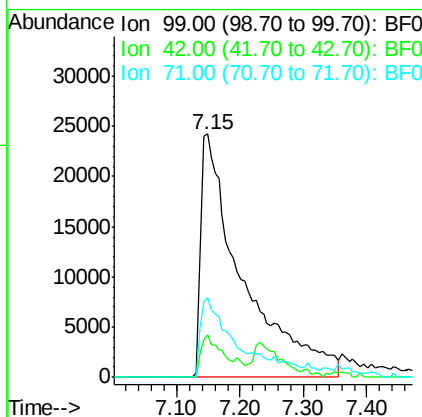
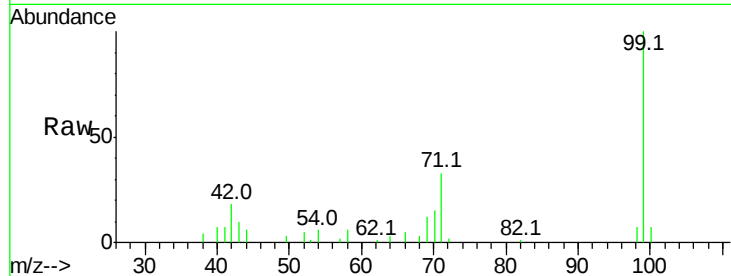
ClientSampleId :

B-18(0-5)DL

Tot Ion:	99	Resp:	110484
Ion Ratio	Lower	Upper	
99	100		
42	17.8	13.5	20.3
71	32.6	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

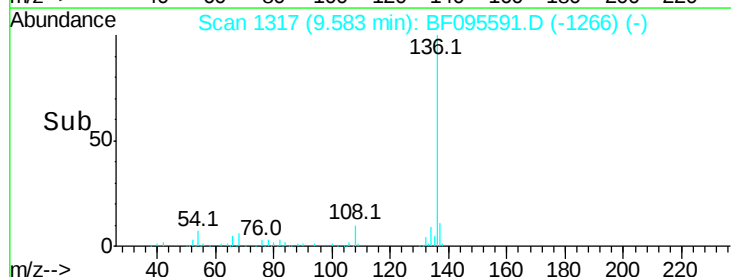
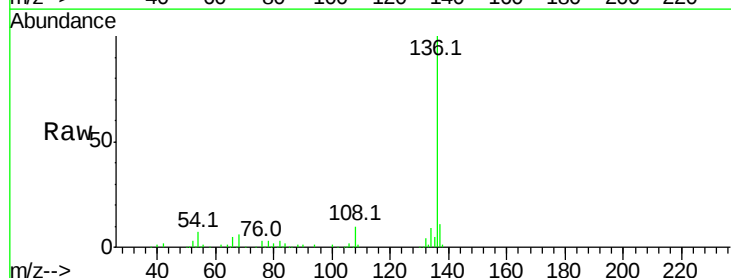
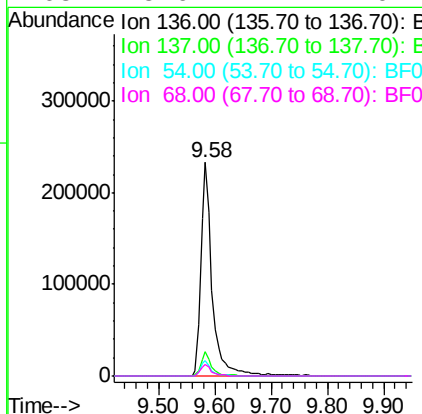
RT: 9.58 min Scan# 1317

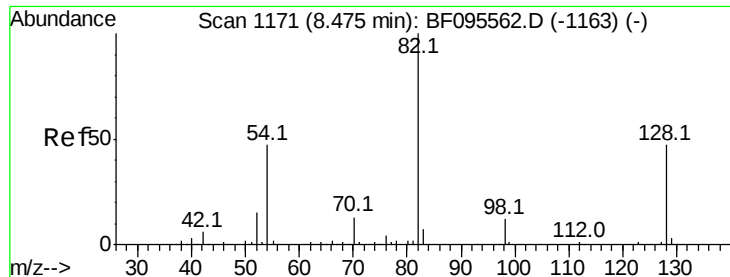
Delta R.T. -0.00 min

Lab File: BF095591.D

Acq: 1 Jun 2017 10:26

Tgt Ion:	136	Resp:	328539
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	6.9	4.9	7.3
68	5.6	4.1	6.1





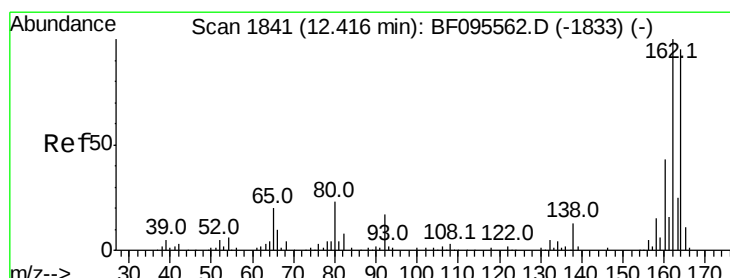
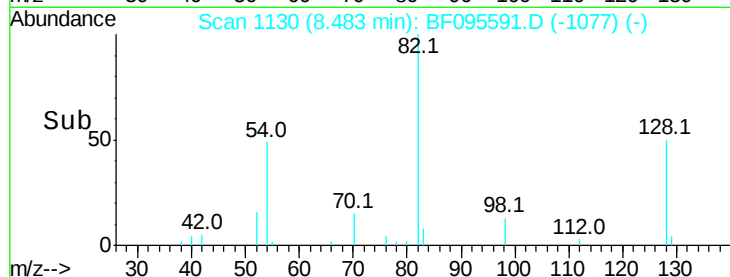
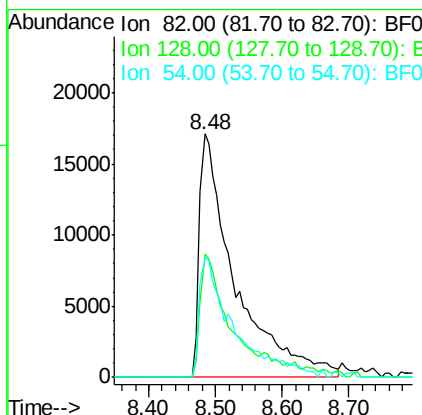
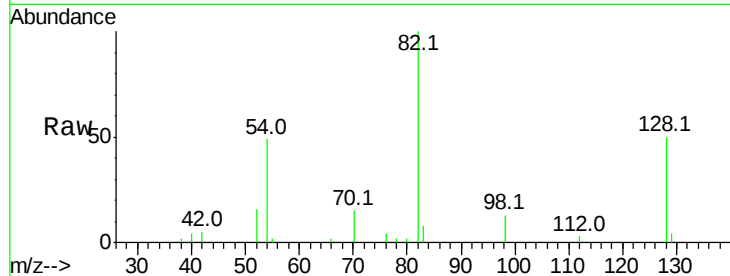
#23
Nitrobenzene-d5
Concen: 12.02 ng
RT: 8.48 min Scan# 1130
Delta R.T. 0.01 min
Lab File: BF095591.D
Acq: 1 Jun 2017 10:26

Instrument :
BNA_F
ClientSampleId :
B-18(0-5)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.5	34.0	51.0
54	49.1	42.2	63.2

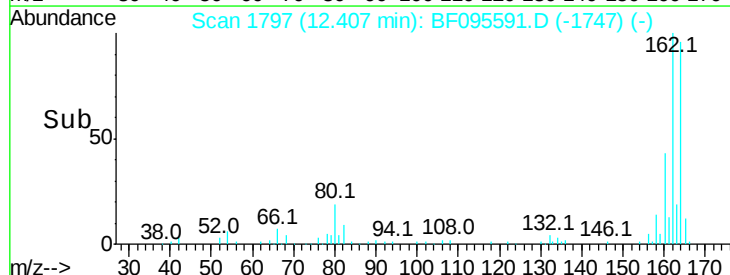
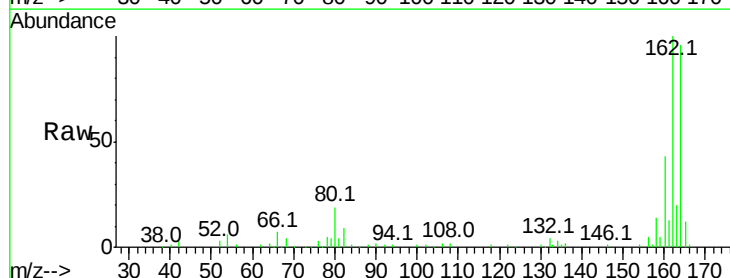
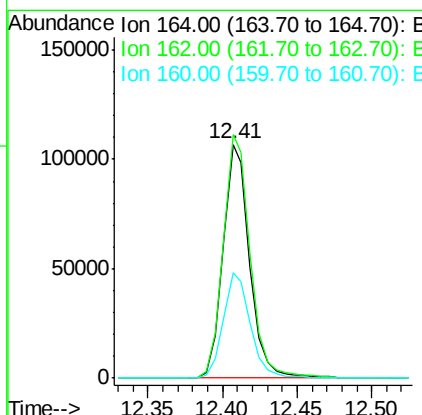
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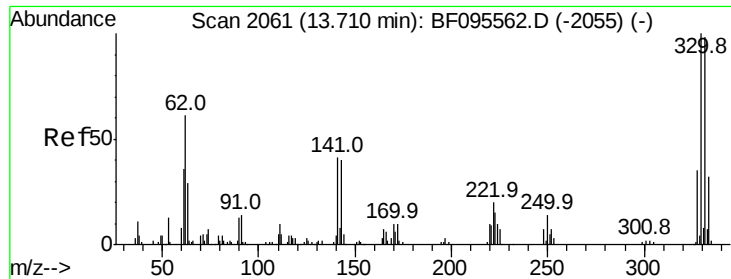
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.41 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BF095591.D
Acq: 1 Jun 2017 10:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.6	123.8
160	45.1	36.2	54.2





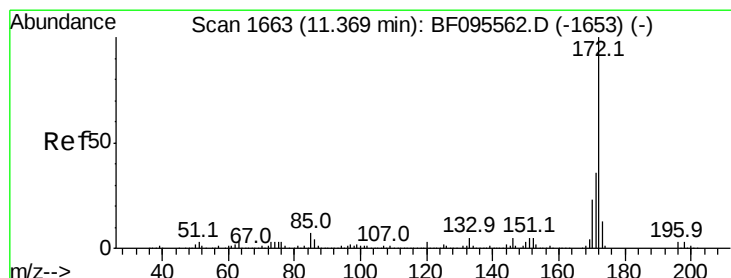
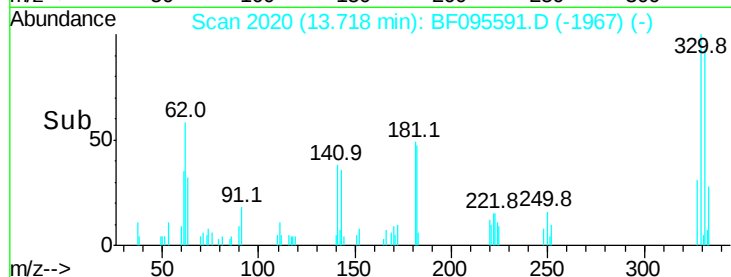
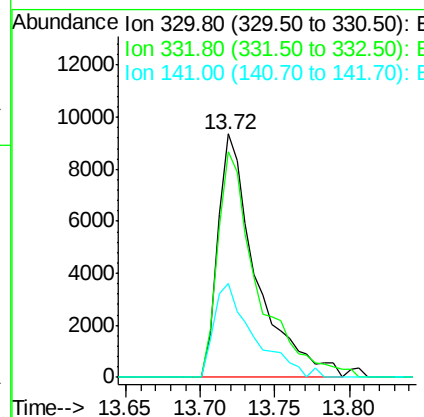
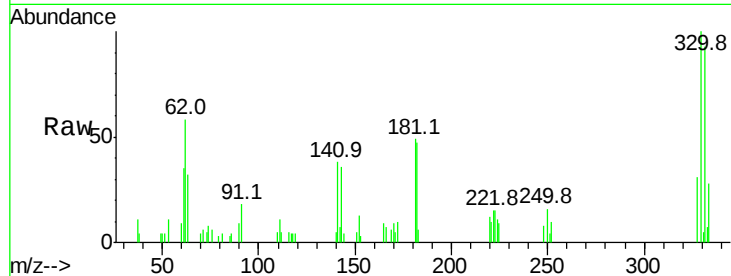
#41
 2,4,6-Tribromophenol
 Concen: 15.34 ng
 RT: 13.72 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: BF095591.D
 Acq: 1 Jun 2017 10:26

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-5)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	39.3	31.4	47.2

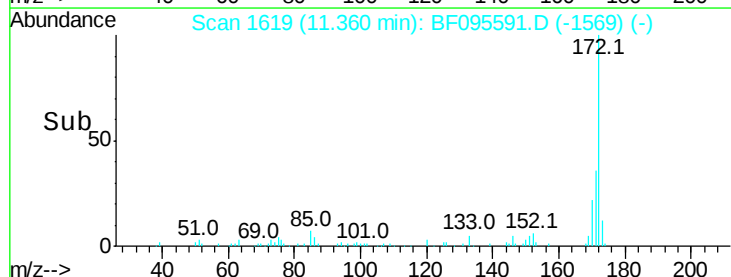
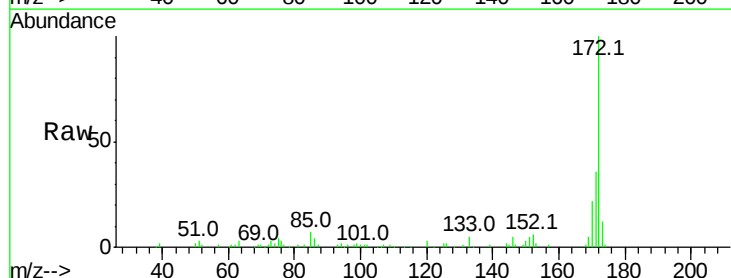
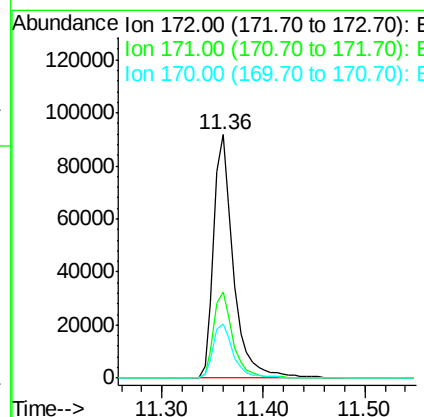
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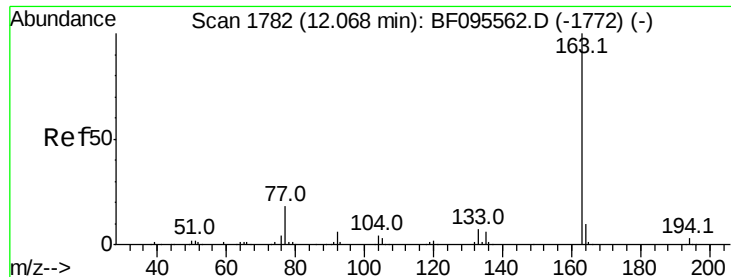
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#44
 2-Fluorobiphenyl
 Concen: 13.45 ng
 RT: 11.36 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF095591.D
 Acq: 1 Jun 2017 10:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	22.4	19.8	29.8





#49

Dimethylphthalate

Concen: 2.02 ng

RT: 12.06 min Scan# 1738

Delta R.T. -0.01 min

Lab File: BF095591.D

Acq: 1 Jun 2017 10:26

Instrument :

BNA_F

ClientSampleId :

B-18(0-5)DL

Tot Ion:163 Resp: 22198

Ion Ratio Lower Upper

163 100

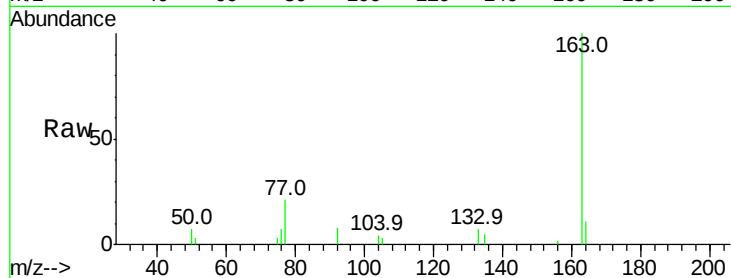
194 0.0 2.6 4.0#

164 10.6 8.4 12.6

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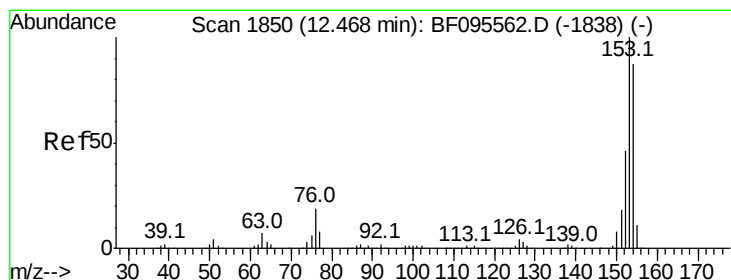
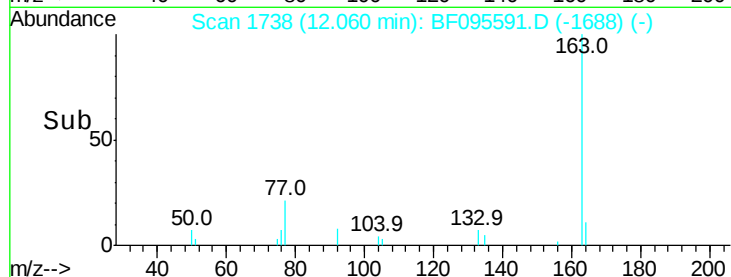
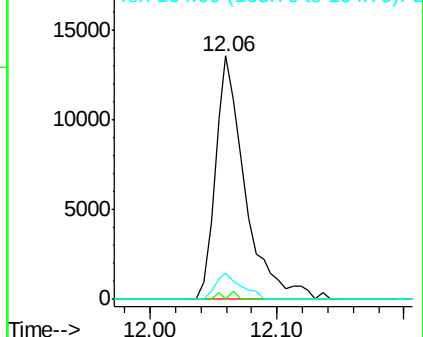
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 2.14 ng

RT: 12.47 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF095591.D

Acq: 1 Jun 2017 10:26

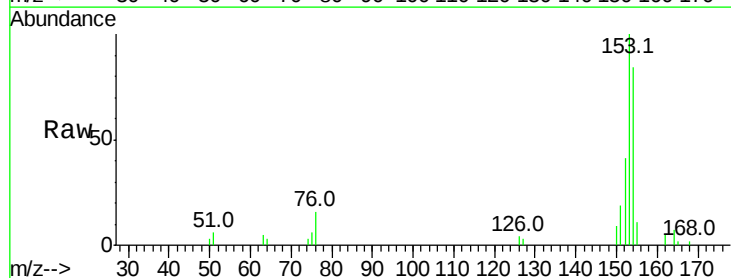
Tgt Ion:154 Resp: 18181

Ion Ratio Lower Upper

154 100

153 119.1 90.5 135.7

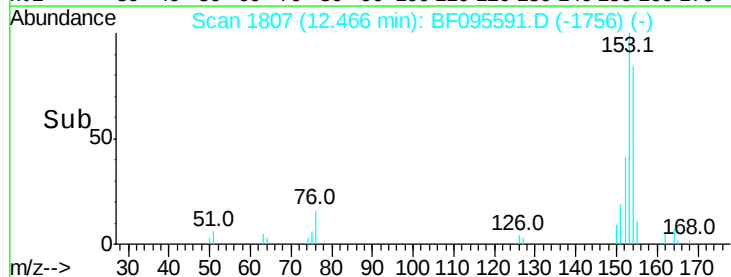
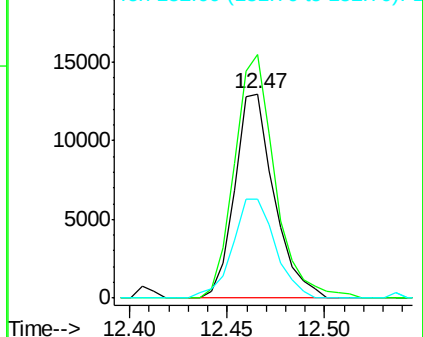
152 48.5 43.6 65.4

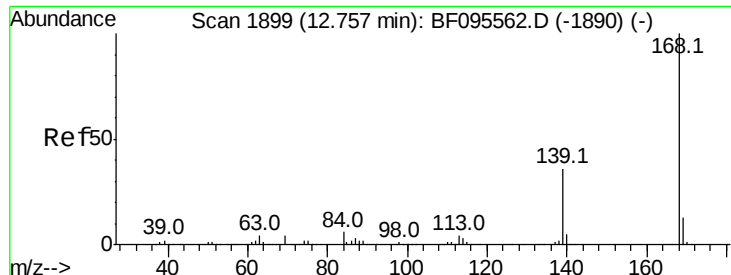


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 2.14 ng

RT: 12.77 min Scan# 1858

Delta R.T. 0.01 min

Lab File: BF095591.D

Acq: 1 Jun 2017 10:26

Instrument :

BNA_F

ClientSampleId :

B-18(0-5)DL

Tot Ion:168 Resp: 25216

Ion Ratio Lower Upper

168 100

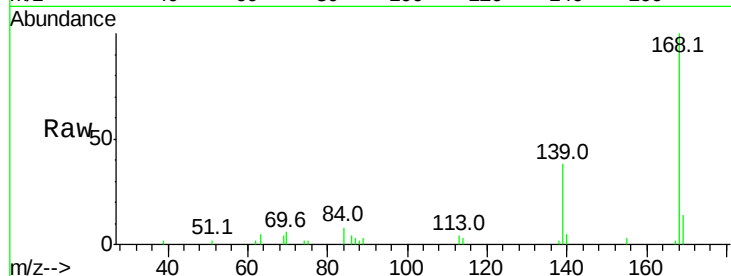
139 37.6 30.6 45.8

169 14.0 10.8 16.2

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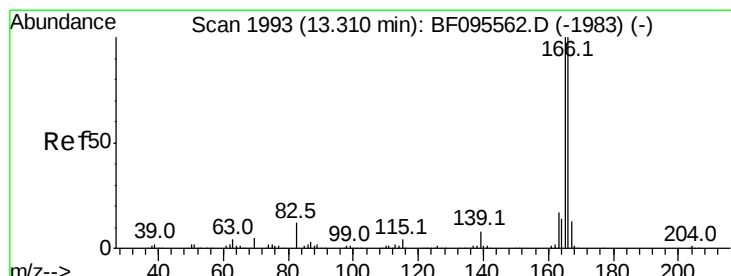
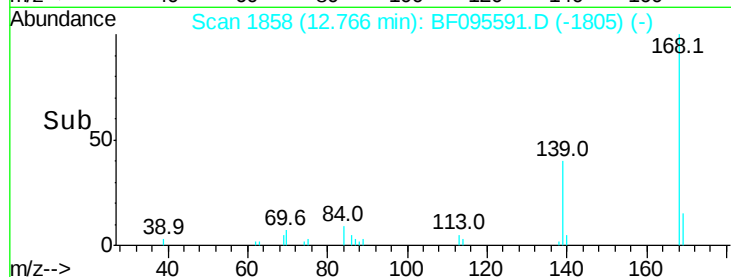
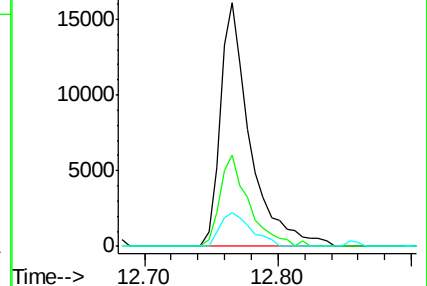
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 2.22 ng

RT: 13.31 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BF095591.D

Acq: 1 Jun 2017 10:26

Tgt Ion:166 Resp: 22714

Ion Ratio Lower Upper

166 100

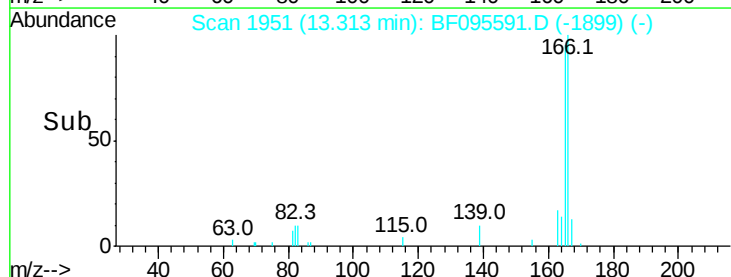
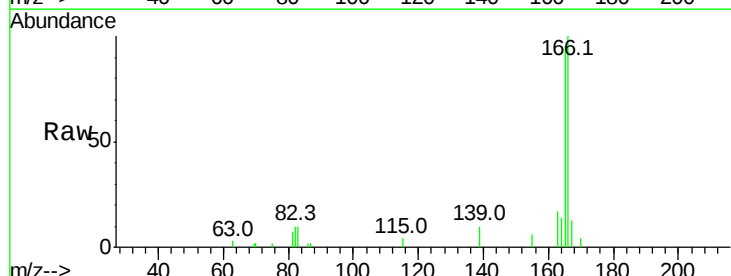
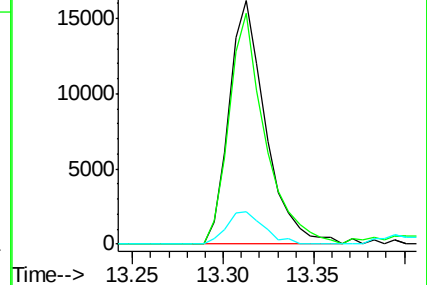
165 94.8 78.8 118.2

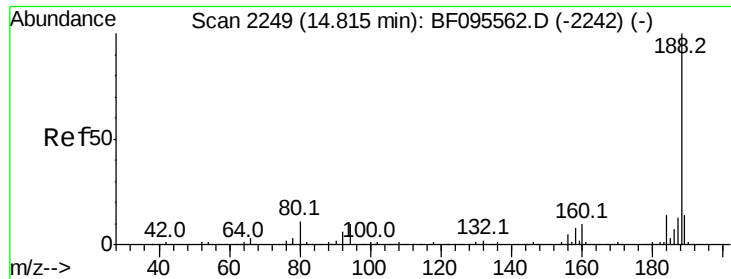
167 13.2 10.6 16.0

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





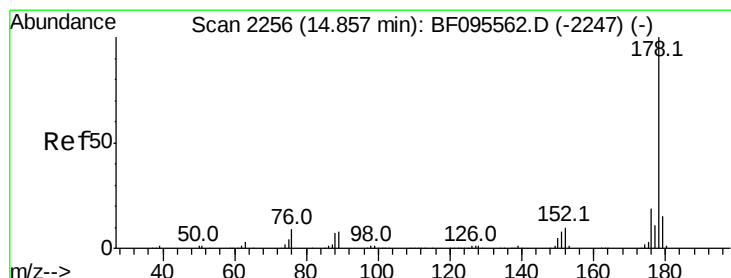
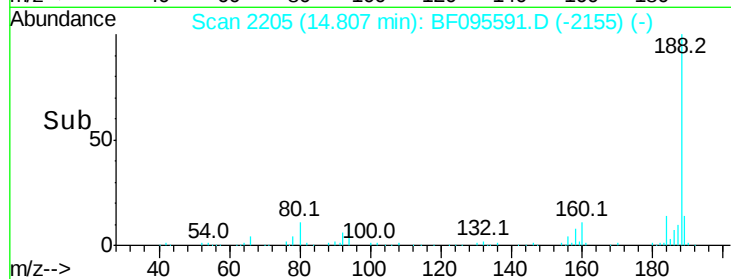
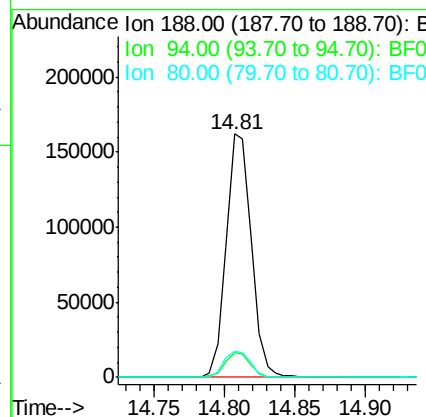
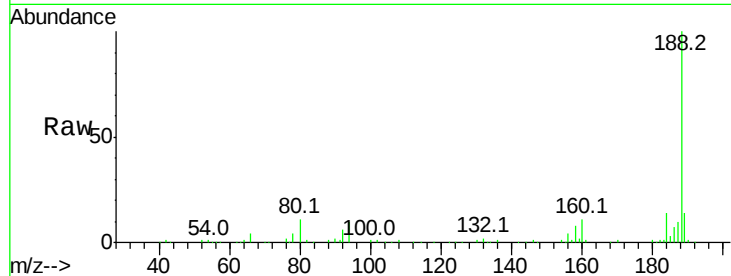
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.81 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF095591.D
Acq: 1 Jun 2017 10:26

Instrument :
BNA_F
ClientSampleId :
B-18(0-5)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	200434		
94	10.2		9.4	14.2
80	10.7		10.2	15.2

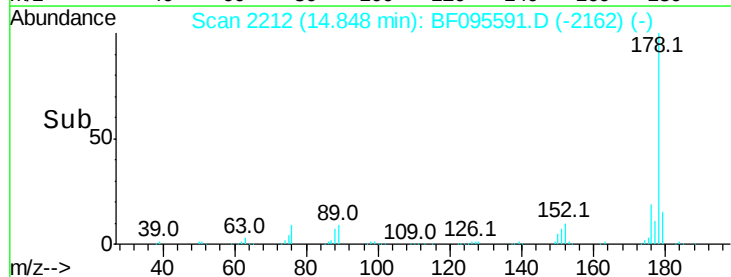
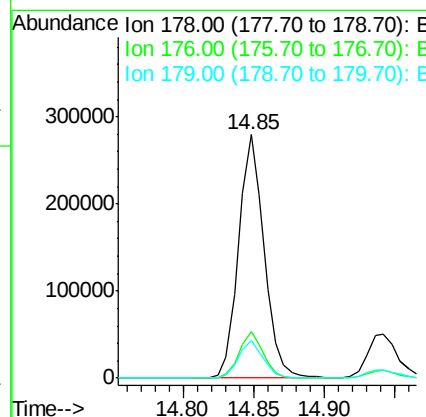
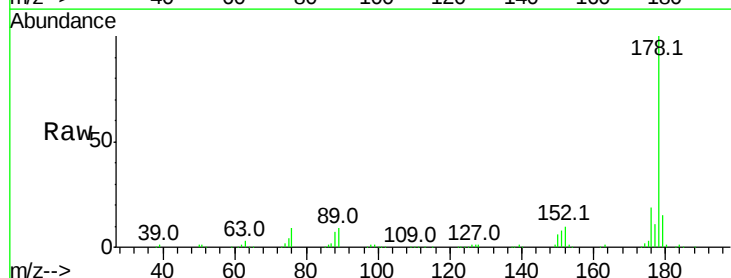
Manual Integrations
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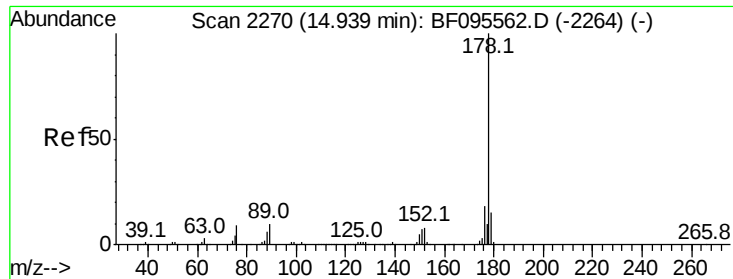
mohammad
6/1/2017 2:20:57 PM



#70
Phenanthrene
Concen: 30.61 ng
RT: 14.85 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF095591.D
Acq: 1 Jun 2017 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	352507		
176	19.2		16.2	24.4
179	15.4		12.6	19.0





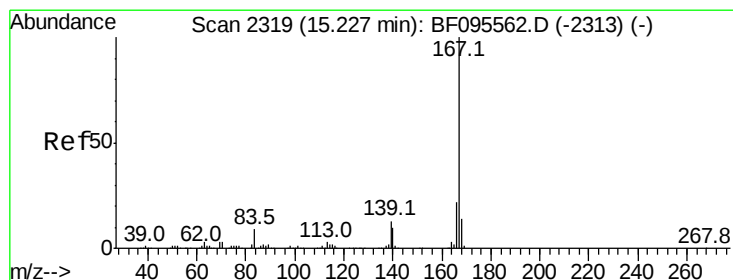
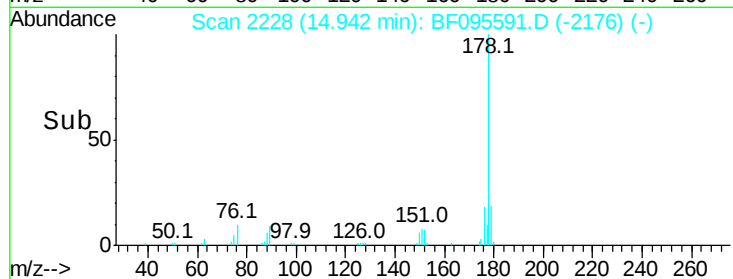
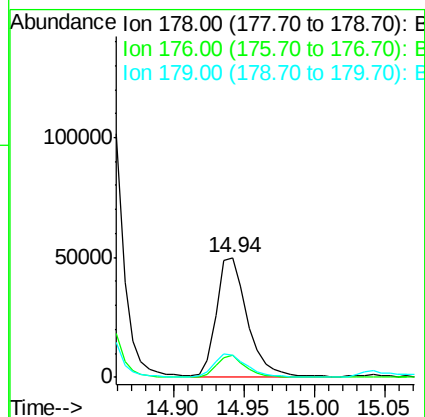
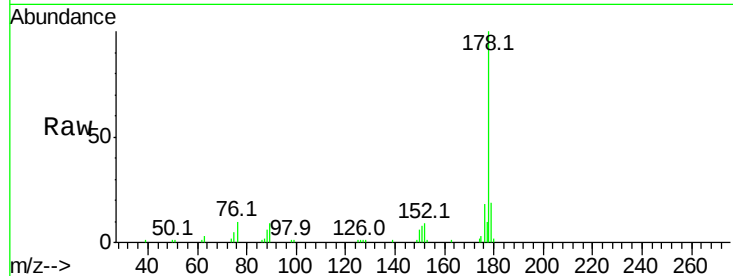
#71
 Anthracene
 Concen: 6.39 ng
 RT: 14.94 min Scan# 2228
 Delta R.T. 0.00 min
 Lab File: BF095591.D
 Acq: 1 Jun 2017 10:26

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-5)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	18.8	12.7	19.1

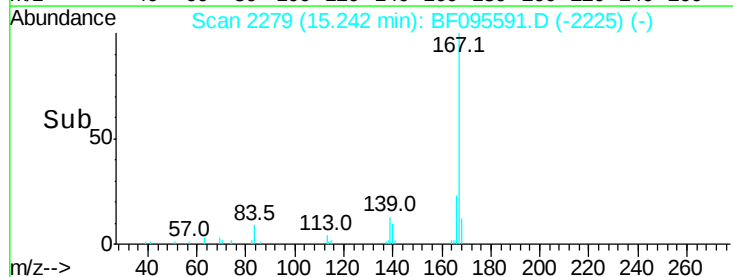
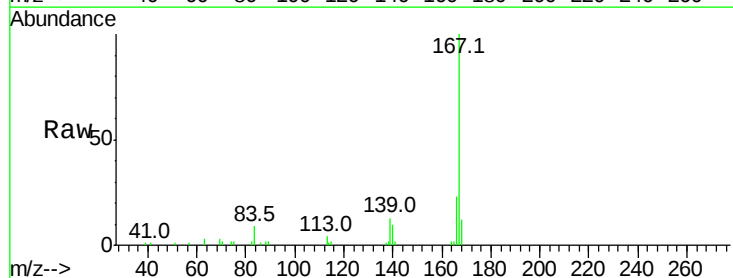
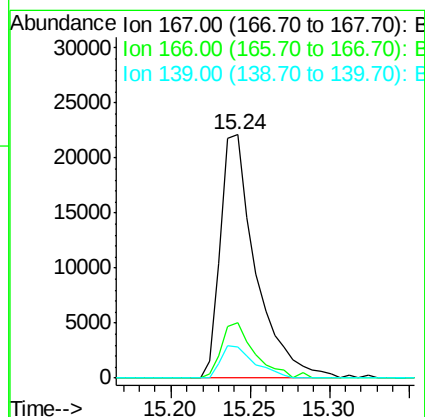
Manual Integrations
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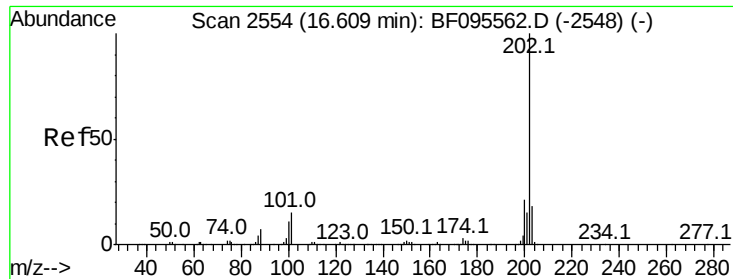
mohammad
 6/1/2017 2:20:57 PM



#72
 Carbazole
 Concen: 3.22 ng
 RT: 15.24 min Scan# 2279
 Delta R.T. 0.01 min
 Lab File: BF095591.D
 Acq: 1 Jun 2017 10:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.1	27.1
139	12.7	11.7	17.5





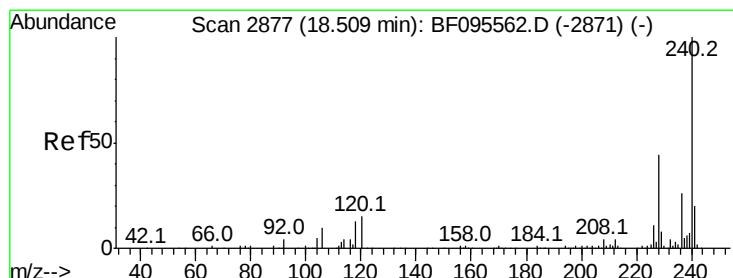
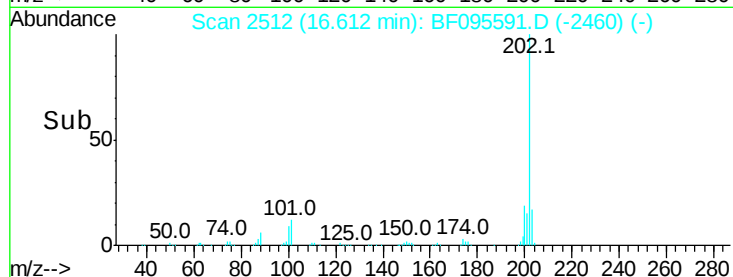
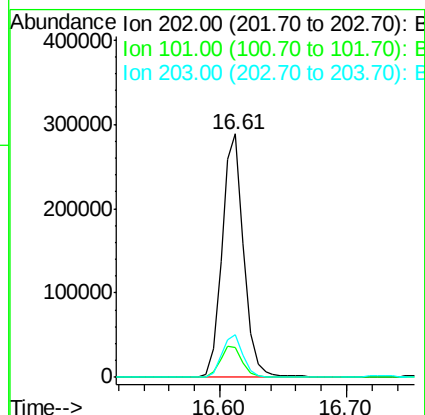
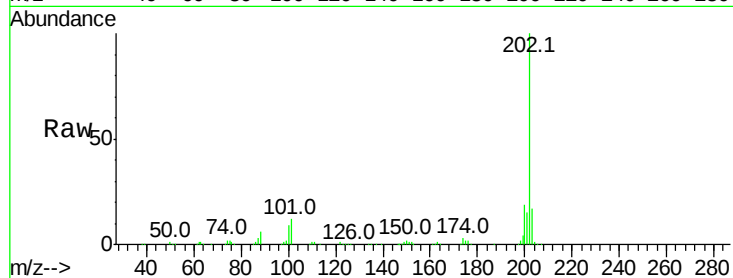
#74
Fluoranthene
Concen: 28.95 ng
RT: 16.61 min Scan# 2512
Delta R.T. 0.00 min
Lab File: BF095591.D
Acq: 1 Jun 2017 10:26

Instrument :
BNA_F
ClientSampleId :
B-18(0-5)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	0.0	33.2
203	17.3	0.0	38.1

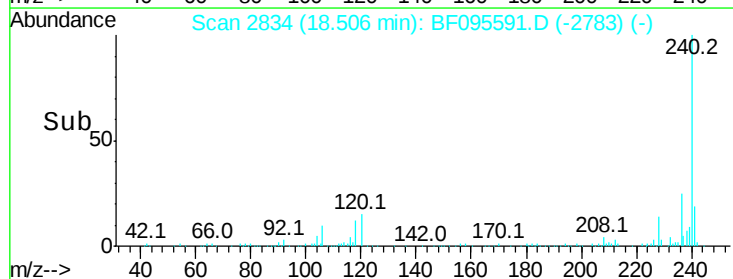
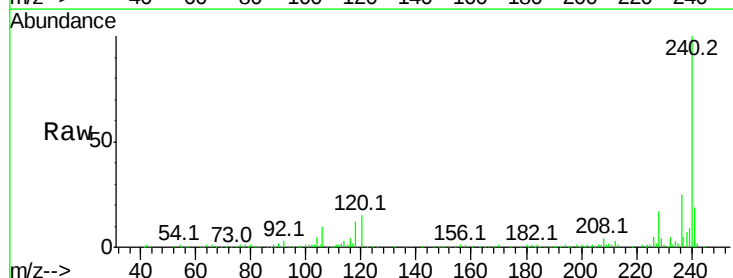
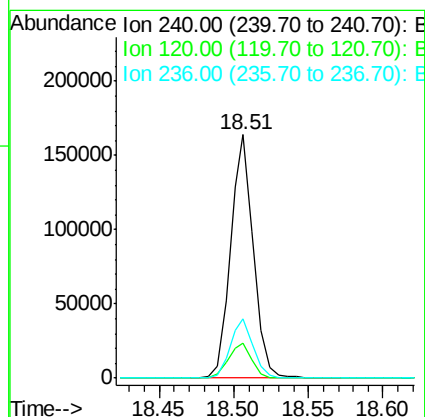
Manual Integrations
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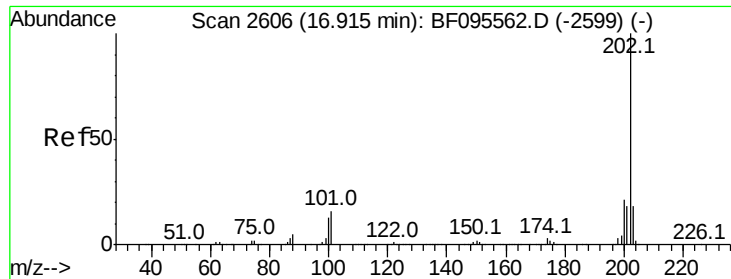
mohammad
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.51 min Scan# 2834
Delta R.T. -0.00 min
Lab File: BF095591.D
Acq: 1 Jun 2017 10:26

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.5	5.8	8.8#
236	24.5	20.5	30.7





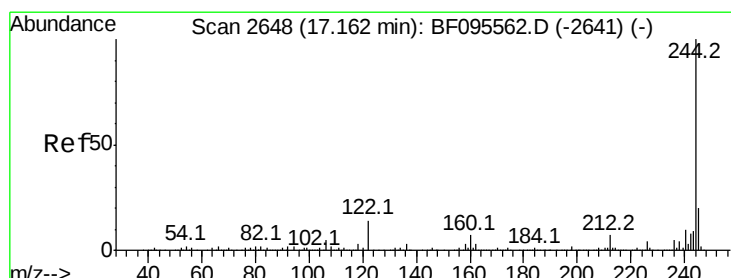
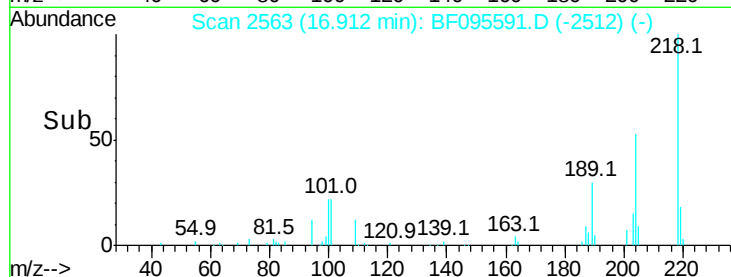
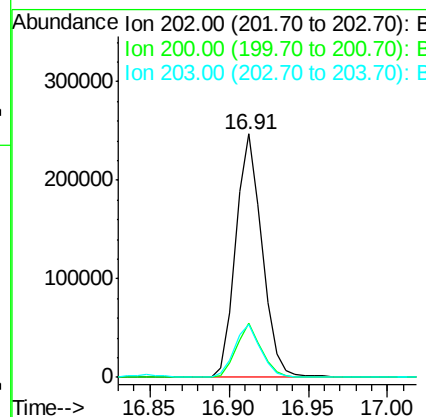
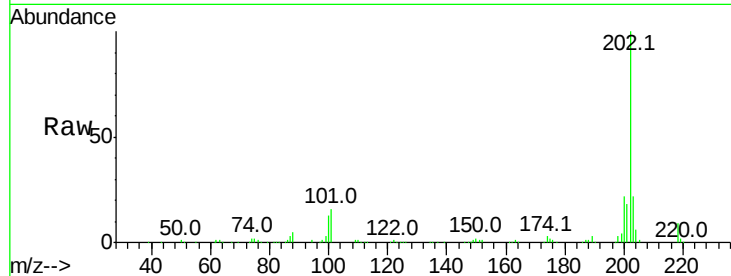
#77
Pvrene
Concen: 21.56 ng
RT: 16.91 min Scan# 2563
Delta R.T. -0.00 min
Lab File: BF095591.D
Acq: 1 Jun 2017 10:26

Instrument :
BNA_F
ClientSampleId :
B-18(0-5)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.3	17.6	26.4
203	21.7	14.4	21.6

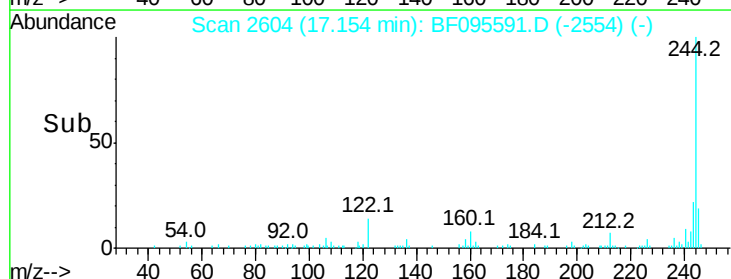
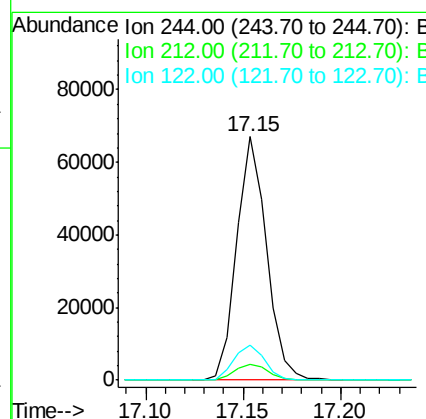
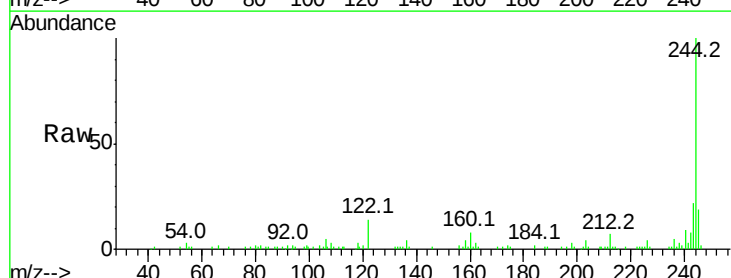
Manual Integrations
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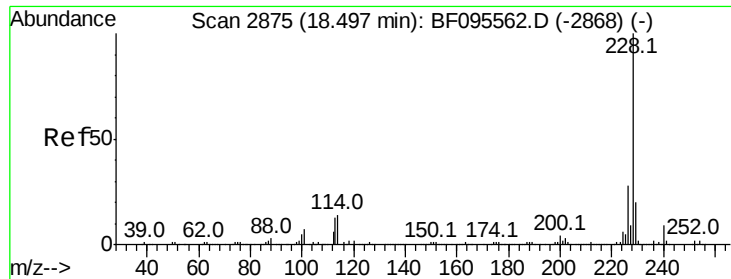
mohammad
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#78
Terphenyl-d14
Concen: 8.92 ng
RT: 17.15 min Scan# 2604
Delta R.T. -0.01 min
Lab File: BF095591.D
Acq: 1 Jun 2017 10:26

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	6.0	9.0
122	14.4	10.3	15.5





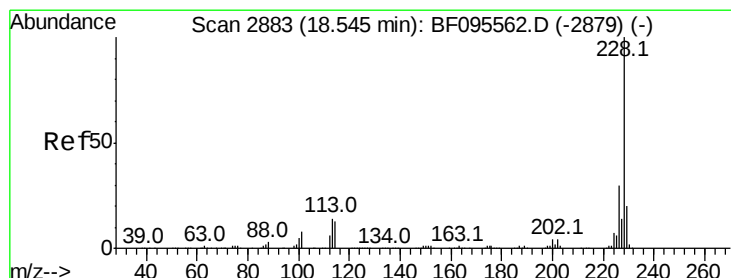
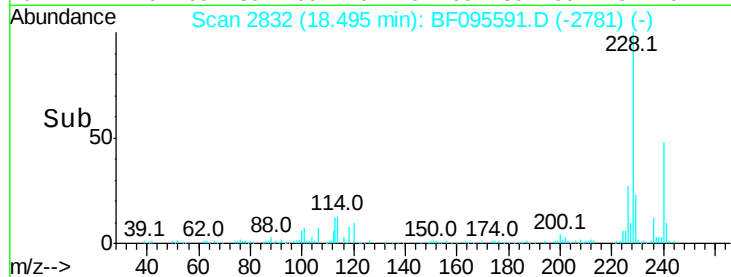
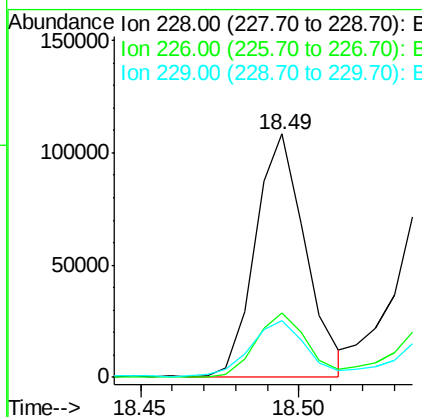
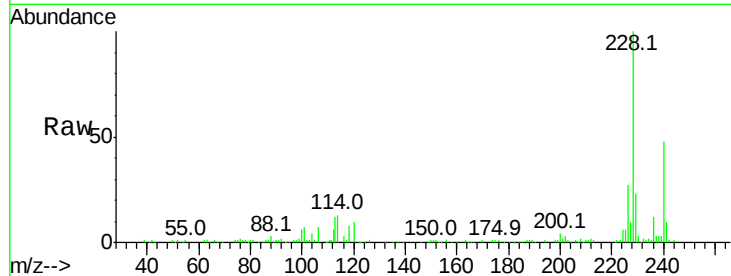
#80
Benzo(a)anthracene
Concen: 11.68 ng
RT: 18.49 min Scan# 2832
Delta R.T. -0.00 min
Lab File: BF095591.D
Acq: 1 Jun 2017 10:26

Instrument :
BNA_F
ClientSampled :
B-18(0-5)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.6	33.8
229	23.3	16.3	24.5

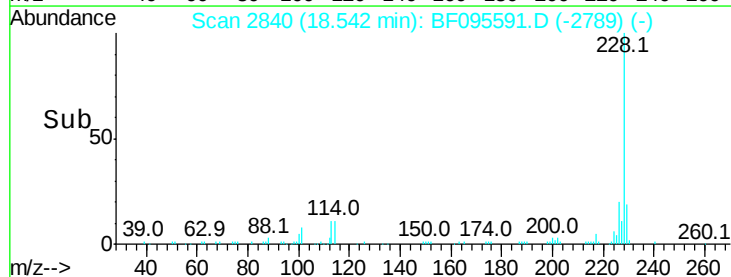
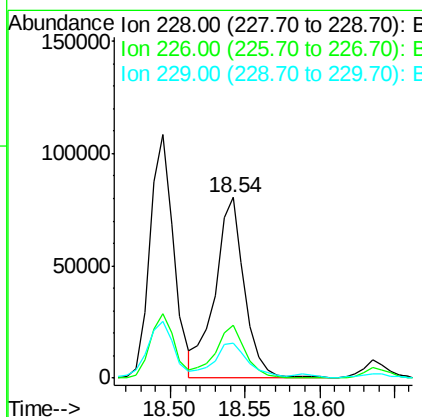
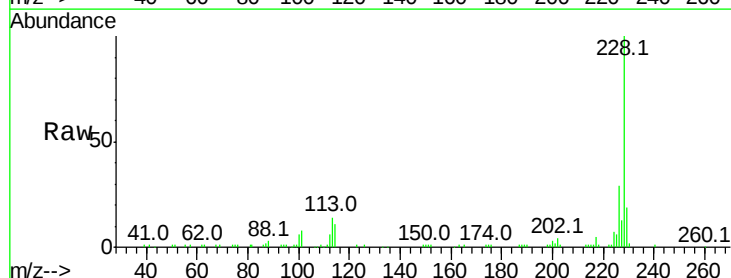
Manual Integrations
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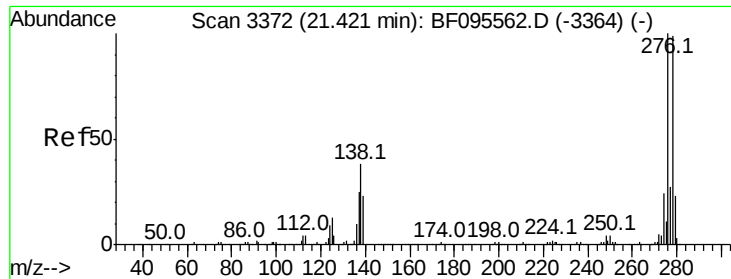
mohammad
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#82
Chrysene
Concen: 11.38 ng
RT: 18.54 min Scan# 2840
Delta R.T. -0.00 min
Lab File: BF095591.D
Acq: 1 Jun 2017 10:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.9	37.3
229	19.2	15.8	23.6





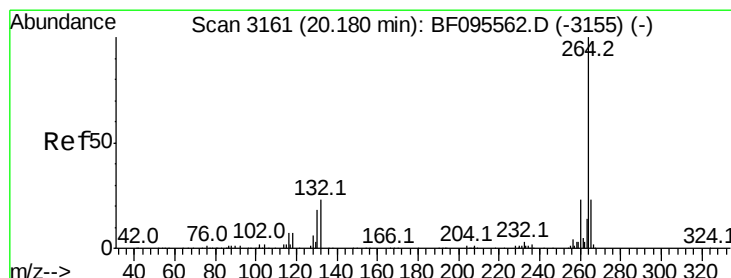
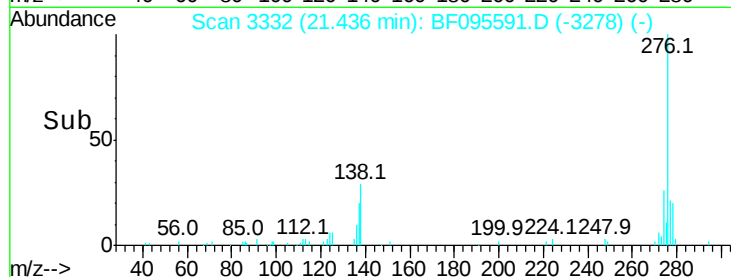
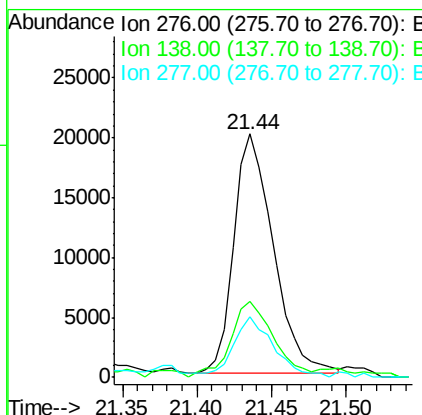
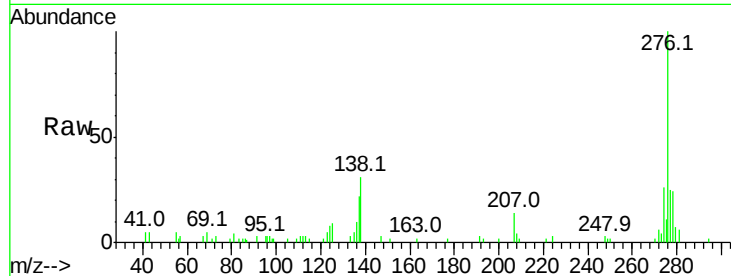
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.62 ng
RT: 21.44 min Scan# 3332
Delta R.T. 0.01 min
Lab File: BF095591.D
Acq: 1 Jun 2017 10:26

Instrument :
BNA_F
ClientSampled :
B-18(0-5)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	34.2	27.8	41.6
277	25.3	20.2	30.4

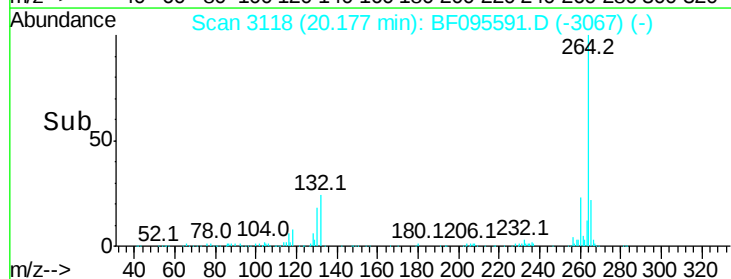
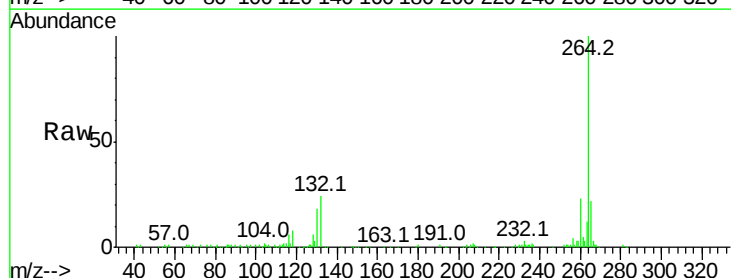
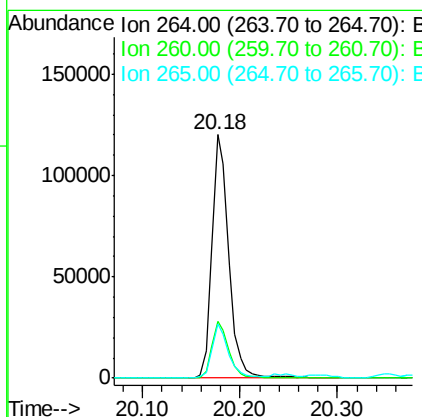
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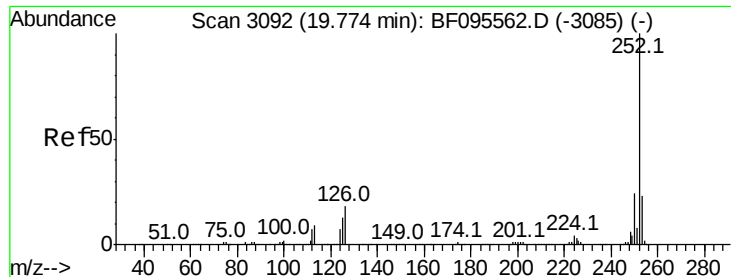
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.18 min Scan# 3118
Delta R.T. -0.00 min
Lab File: BF095591.D
Acq: 1 Jun 2017 10:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	22.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 12.84 ng m

RT: 19.78 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BF095591.D

Acq: 1 Jun 2017 10:26

Instrument :

BNA_F

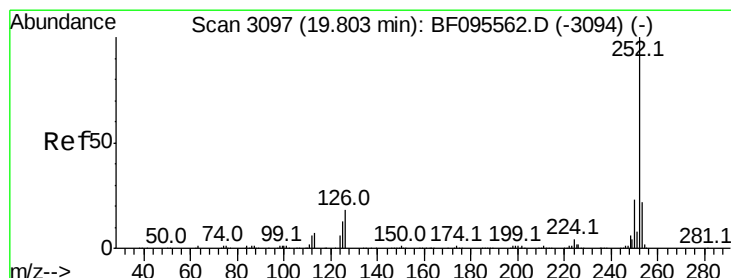
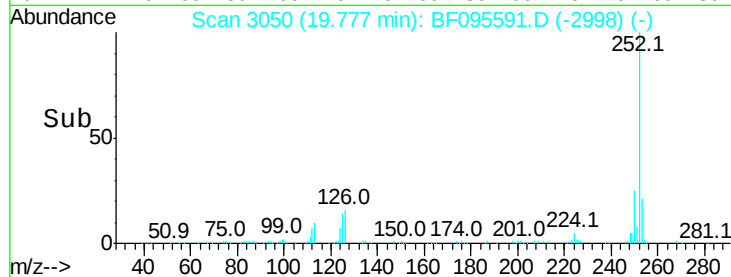
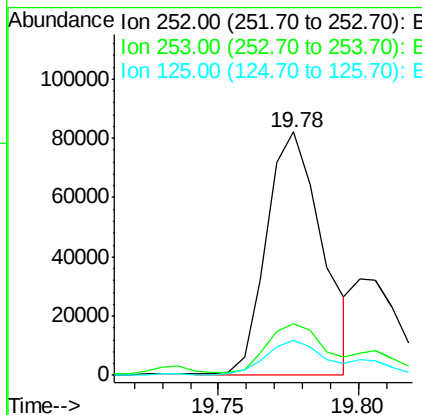
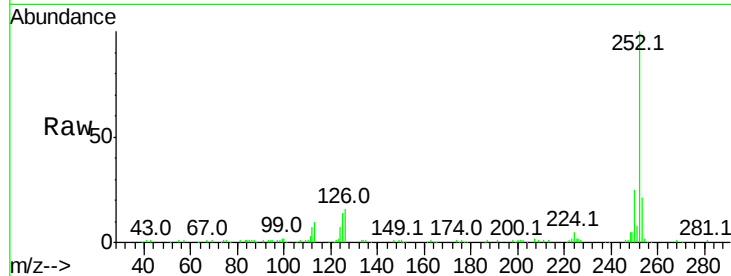
ClientSampleId :

B-18(0-5)DL

Tot Ion:	252	Resp:	113560
Ion Ratio	Lower	Upper	
252	100		
253	21.2	18.1	27.1
125	14.4	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 4.53 ng m

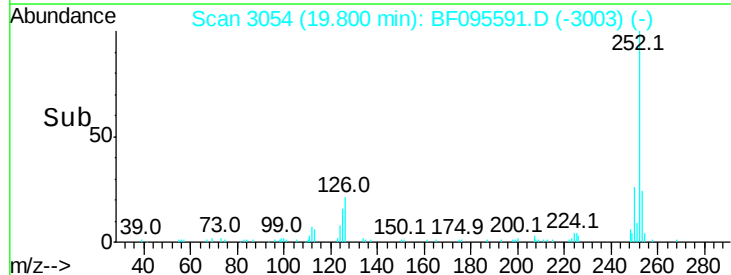
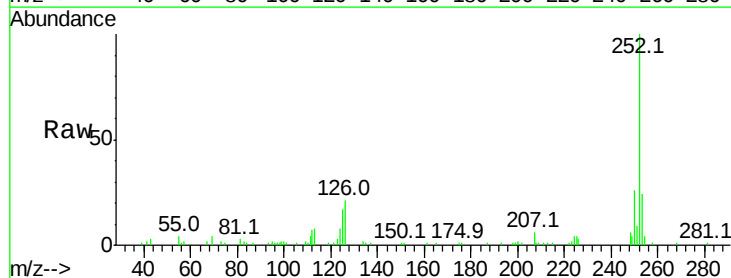
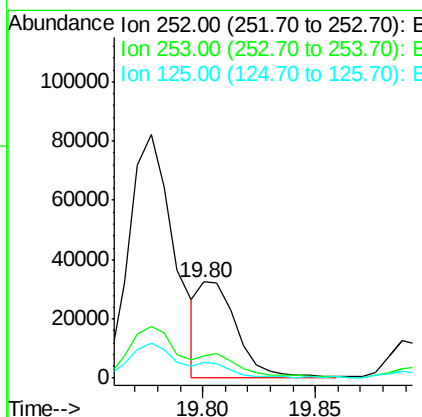
RT: 19.80 min Scan# 3054

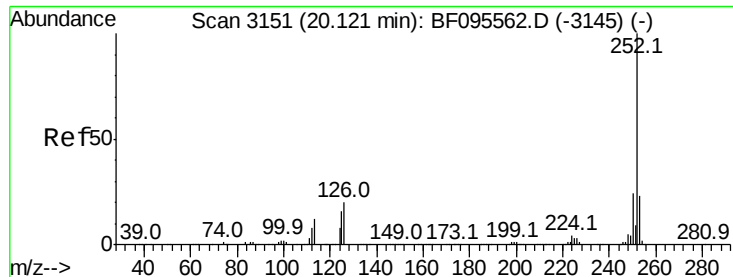
Delta R.T. -0.00 min

Lab File: BF095591.D

Acq: 1 Jun 2017 10:26

Tgt Ion:	252	Resp:	38658
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.4	27.6
125	16.6	13.1	19.7





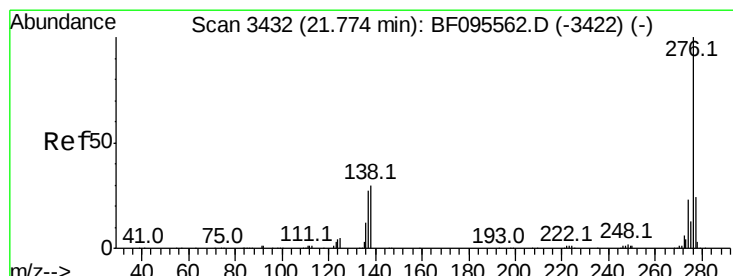
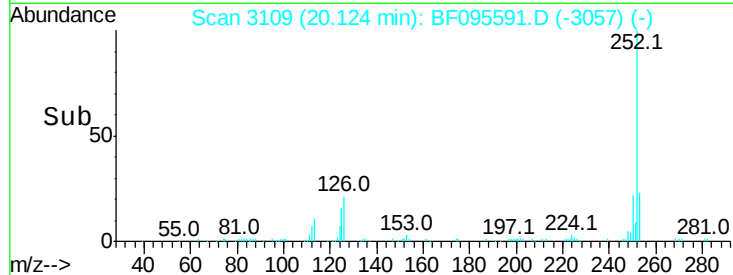
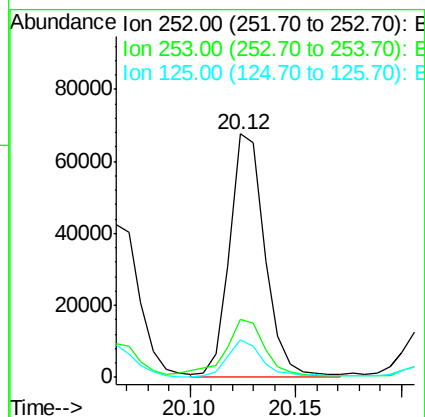
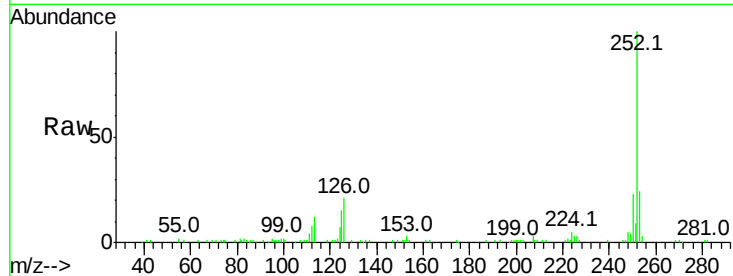
#89
Benzo(a)pyrene
Concen: 9.66 ng
RT: 20.12 min Scan# 3109
Delta R.T. 0.00 min
Lab File: BF095591.D
Acq: 1 Jun 2017 10:26

Instrument :
BNA_F
ClientSampleId :
B-18(0-5)DL

Tot Ion:	252	Resp:	78847
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.5	26.3
125	15.2	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.21 ng
RT: 21.80 min Scan# 3394
Delta R.T. 0.03 min
Lab File: BF095591.D
Acq: 1 Jun 2017 10:26

Tgt Ion:	276	Resp:	34426
Ion Ratio	Lower	Upper	
276	100		
277	20.4	18.6	28.0
138	33.3	25.4	38.0

