

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051817\
 Data File : BF095253.D
 Acq On : 19 May 2017 8:20
 Operator : SJ/MA
 Sample : I3172-01DL 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-02DL

Manual Integrations
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 5/19/2017 3:40:34 PM

Quant Time: May 19 11:29:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	105575	20.00	ng	0.00
21) Naphthalene-d8	9.79	136	427790	20.00	ng	0.00
38) Acenaphthene-d10	12.62	164	175786	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	279610	20.00	ng	0.00
75) Chrysene-d12	18.69	240	175021	20.00	ng	0.00
86) Perylene-d12	20.36	264	176806	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	477075	75.34	ng	0.00
7) Phenol-d6	7.31	99	626531	82.46	ng	0.00
23) Nitrobenzene-d5	8.67	82	350916	51.73	ng	0.00
41) 2,4,6-Tribromophenol	13.92	330	104981	72.92	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	629901	51.58	ng	0.00
78) Terphenyl-d14	17.34	244	393114	49.47	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	12.27	163	107687	7.46	ng	99
51) Acenaphthene	12.67	154	23459	2.10	ng	97
57) Fluorene	13.52	166	44766	3.33	ng	98
70) Phenanthrene	15.05	178	499658	31.10	ng	98
71) Anthracene	15.15	178	169276	10.32	ng	98
74) Fluoranthene	16.80	202	790117	47.94	ng	99
77) Pyrene	17.10	202	648288	49.53	ng	95
80) Benzo(a)anthracene	18.68	228	288620	28.33	ng	97
82) Chrysene	18.72	228	245960	24.97	ng	97
85) Indeno(1,2,3-cd)pyrene	21.71	276	116791	14.60	ng	91
87) Benzo(b)fluoranthene	19.96	252	302946m	27.73	ng	
88) Benzo(k)fluoranthene	19.98	252	120387m	11.42	ng	
89) Benzo(a)pyrene	20.31	252	216211	21.45	ng	98
90) Dibenzo(a,h)anthracene	21.71	278	31196	3.75	ng	# 78
91) Benzo(a,h,i)perylene	22.09	276	99283	12.15	ng	99

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

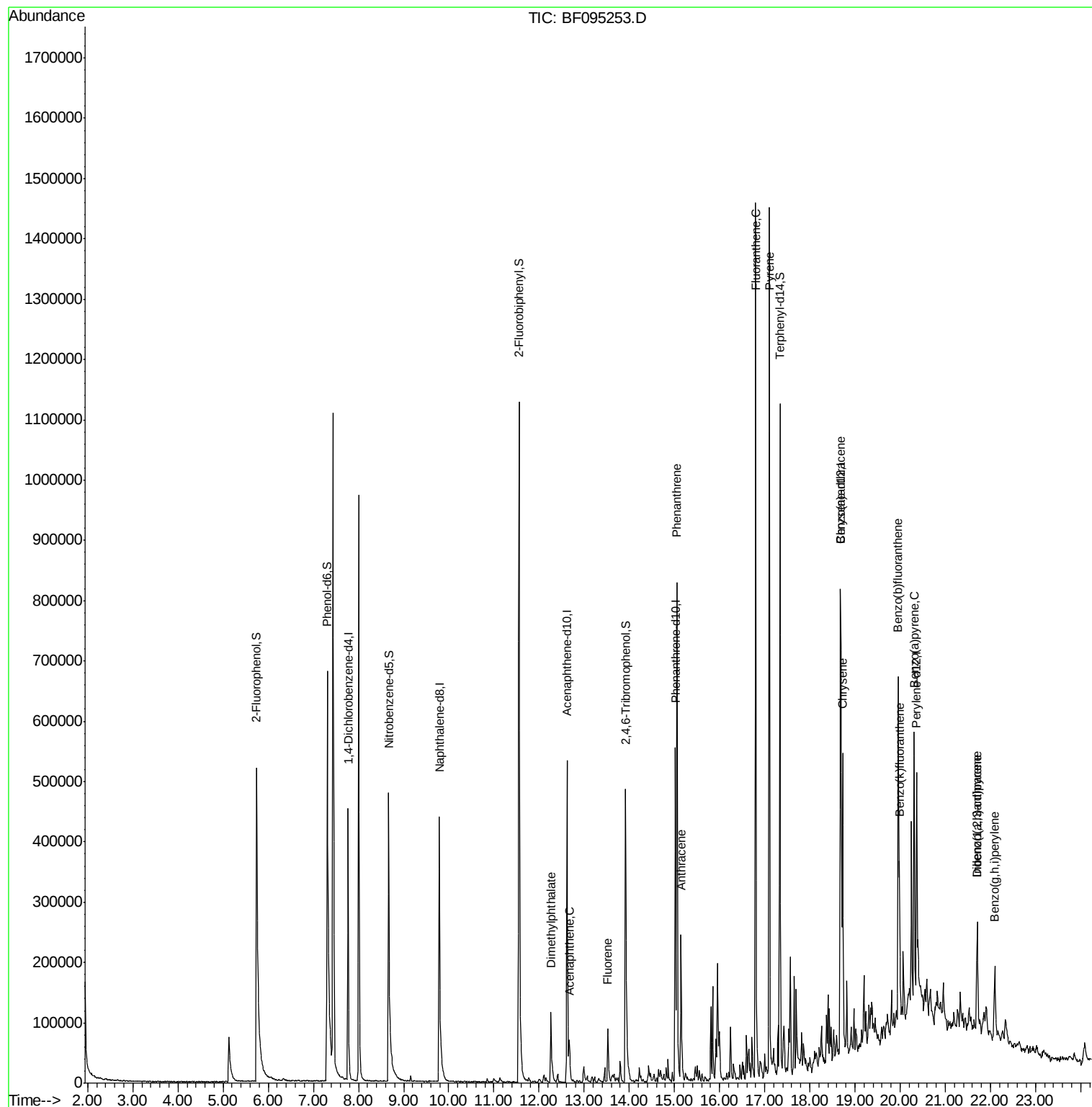
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051817\
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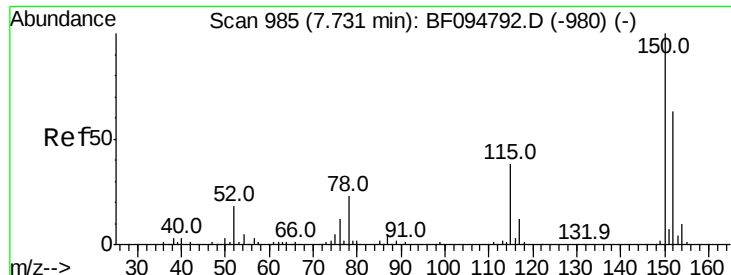
Instrument :
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SS-02DL

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#1

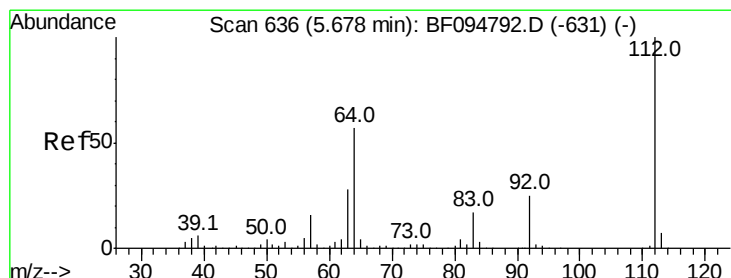
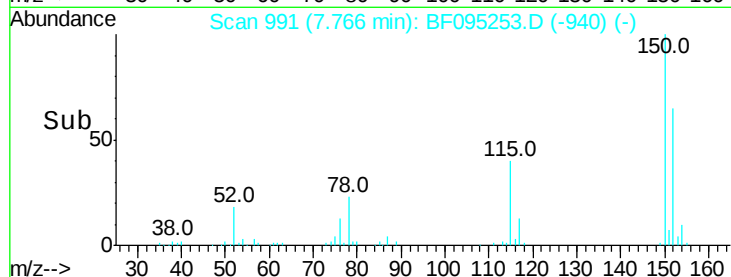
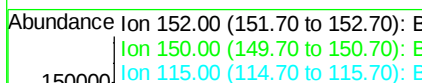
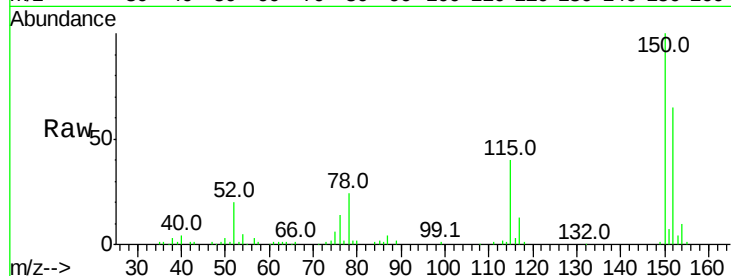
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.77 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: BF095253.D
 Acq: 19 May 2017 8:20

Instrument :
 BNA_F
 ClientSampleId :
 SS-02DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	126.2	189.2
115	60.5	52.2	78.2

Manual Integrations
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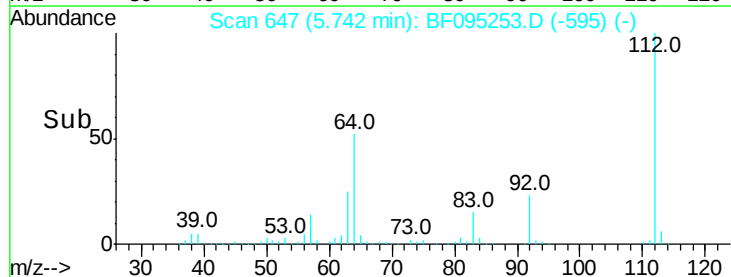
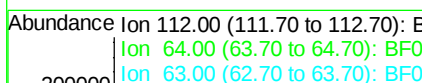
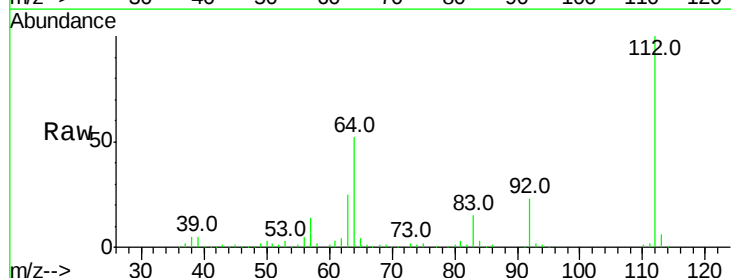
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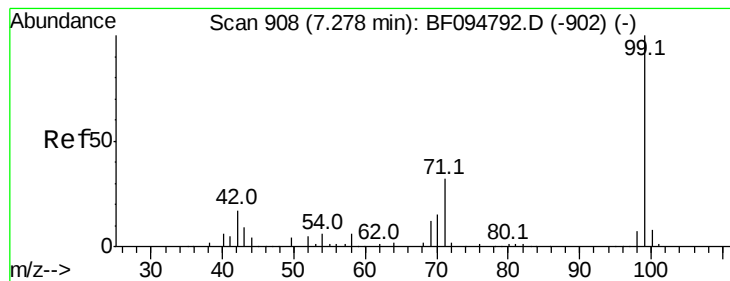


#5

2-Fluorophenol
 Concen: 75.34 ng
 RT: 5.74 min Scan# 647
 Delta R.T. 0.01 min
 Lab File: BF095253.D
 Acq: 19 May 2017 8:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	46.0	69.0
63	24.7	23.4	35.0





#7

Phenol-d6

Concen: 82.46 ng

RT: 7.31 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF095253.D

Acq: 19 May 2017 8:20

Instrument :

BNA_F

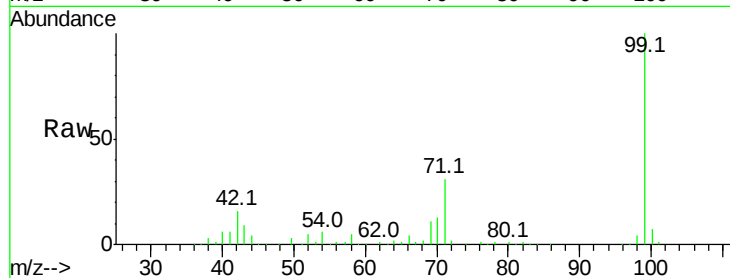
ClientSampled :

SS-02DL

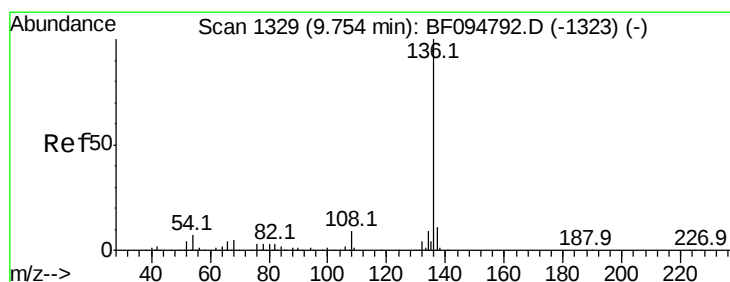
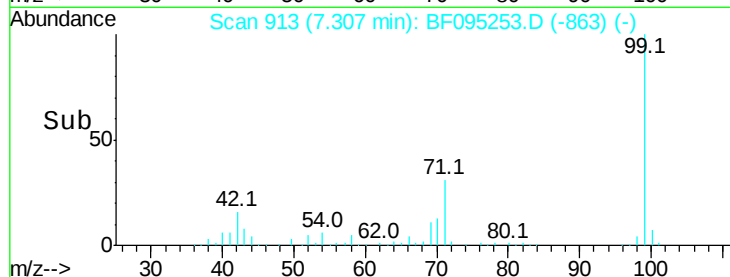
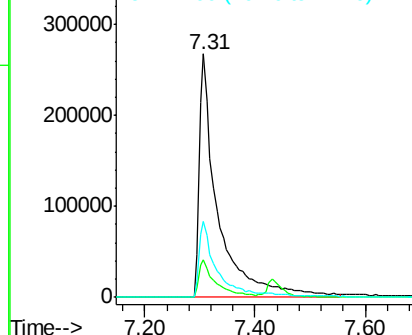
Tot Ion:	99	Resp:	626531
Ion Ratio	Lower	Upper	
99	100		
42	15.6	13.5	20.3
71	31.2	24.5	36.7

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1335

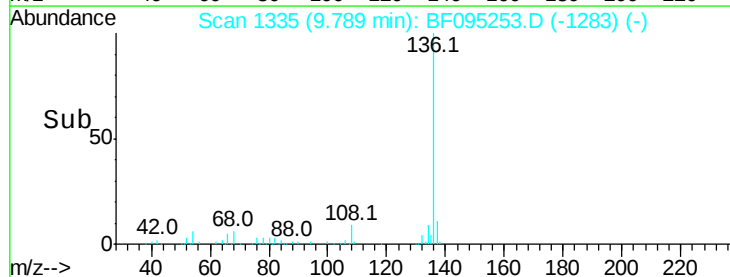
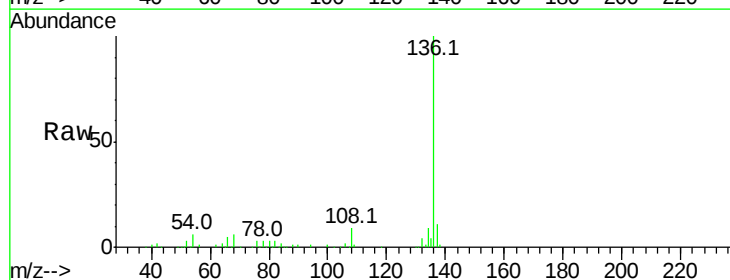
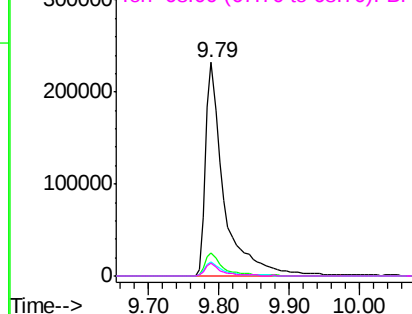
Delta R.T. 0.01 min

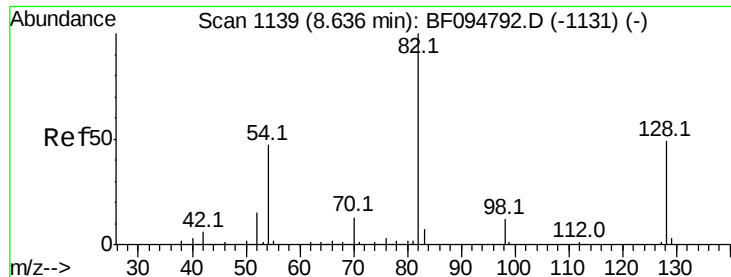
Lab File: BF095253.D

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Tgt Ion:	136	Resp:	427790
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	6.4	4.9	7.3
68	5.8	4.1	6.1

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





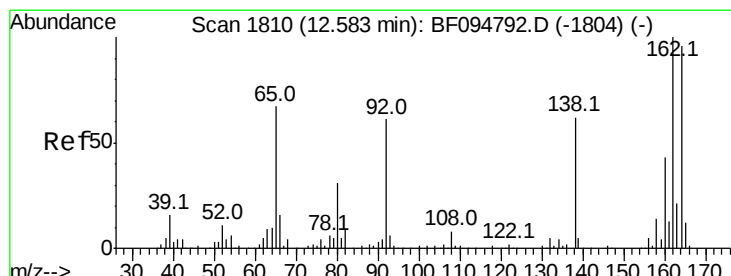
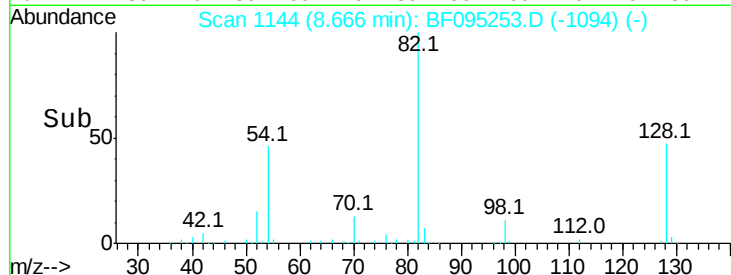
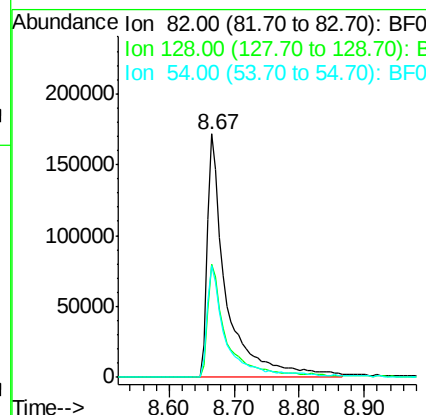
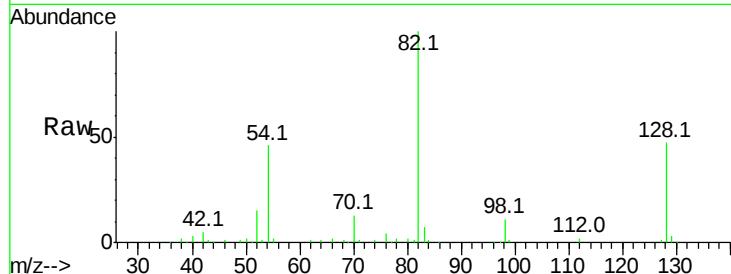
#23
Nitrobenzene-d5
Concen: 51.73 ng
RT: 8.67 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF095253.D
Acq: 19 May 2017 8:20

Instrument :
BNA_F
ClientSampled :
SS-02DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.6	34.0	51.0	
54	45.8	42.2	63.2	

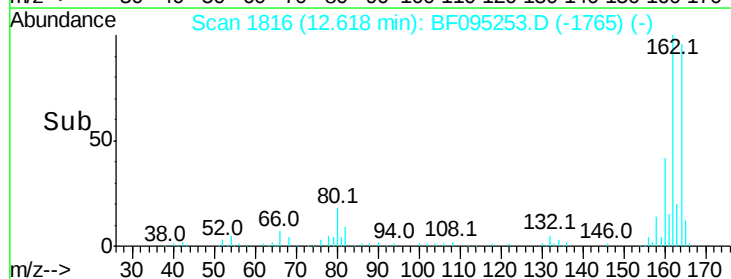
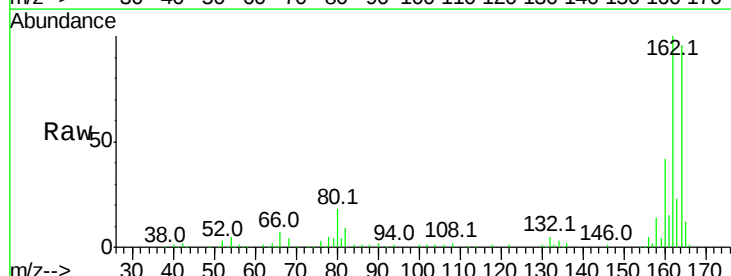
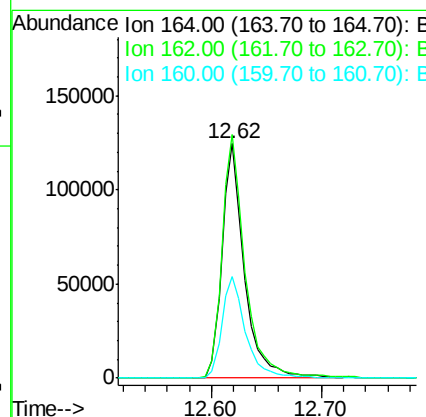
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.62 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BF095253.D
Acq: 19 May 2017 8:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.0	82.6	123.8	
160	43.4	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 72.92 ng

RT: 13.92 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BF095253.D

Acq: 19 May 2017 8:20

Instrument :

BNA_F

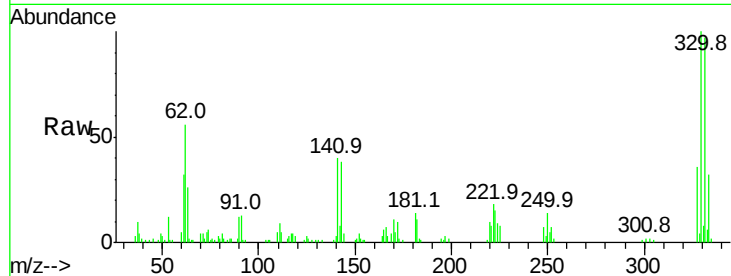
ClientSampled :

SS-02DL

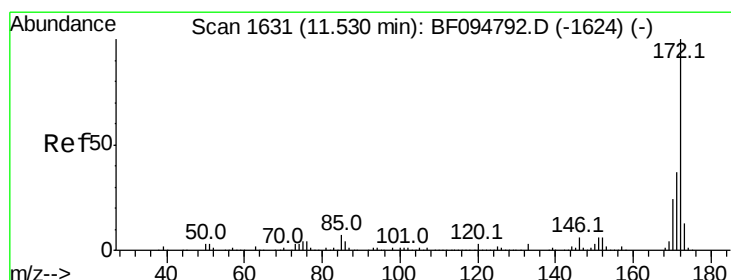
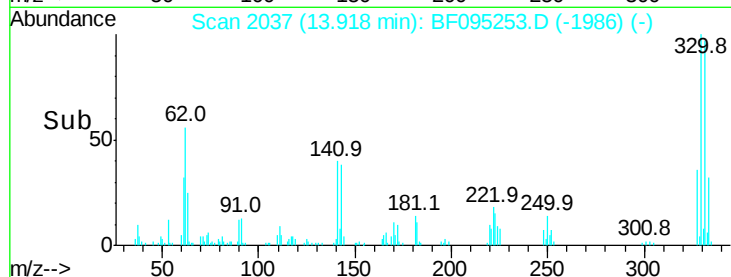
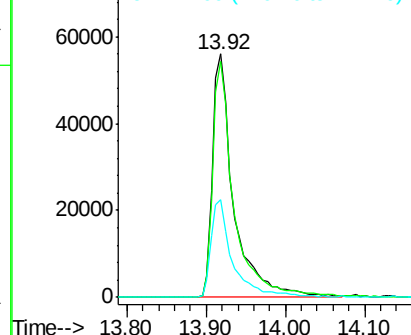
Tot Ion:	330	Resp:	104981
Ion Ratio	Lower	Upper	
330	100		
332	96.5	76.6	115.0
141	40.8	31.4	47.2

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 51.58 ng

RT: 11.55 min Scan# 1635

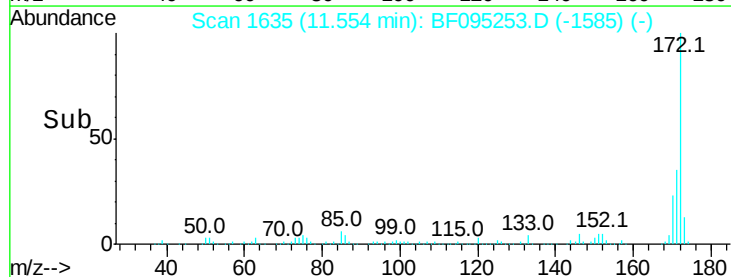
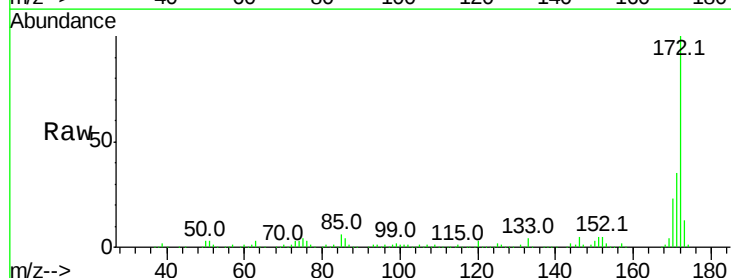
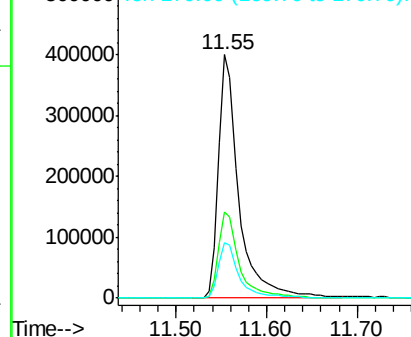
Delta R.T. -0.01 min

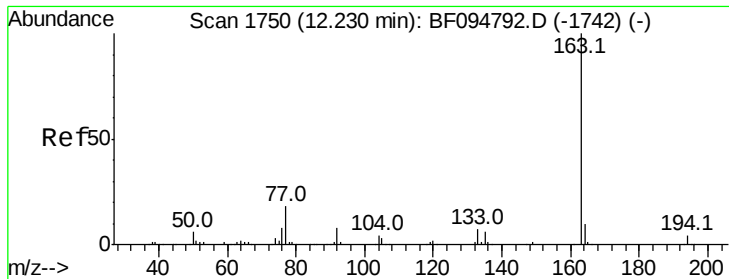
Lab File: BF095253.D

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Tgt Ion:	172	Resp:	629901
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.6	44.4
170	23.0	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





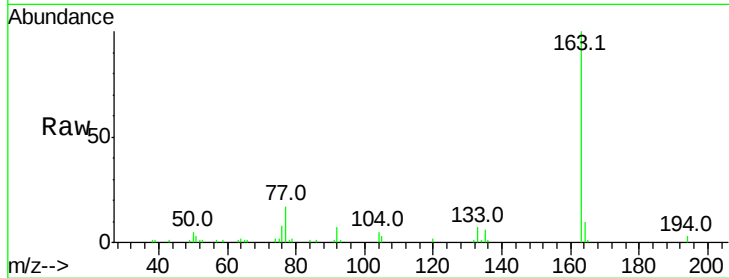
#49
Dimethylphthalate
Concen: 7.46 ng
RT: 12.27 min Scan# 1756
Delta R.T. 0.01 min
Lab File: BF095253.D
Acq: 19 May 2017 8:20

Instrument :
BNA_F
ClientSampleId :
SS-02DL

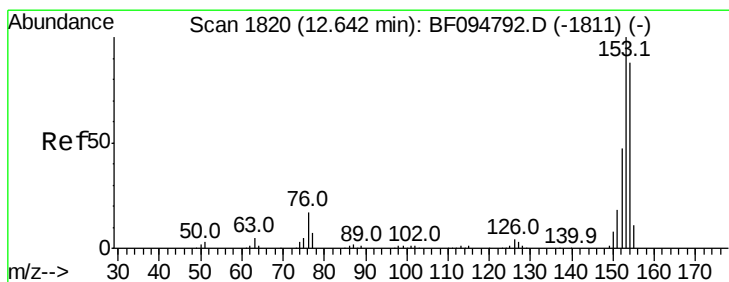
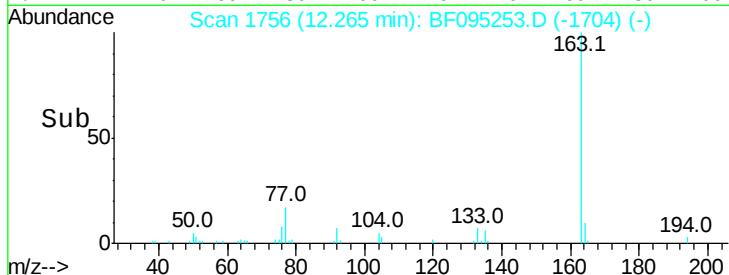
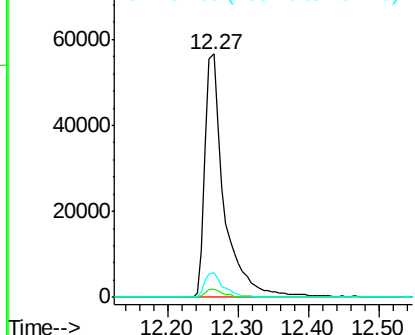
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	2.6	4.0	
164	10.0	8.4	12.6	

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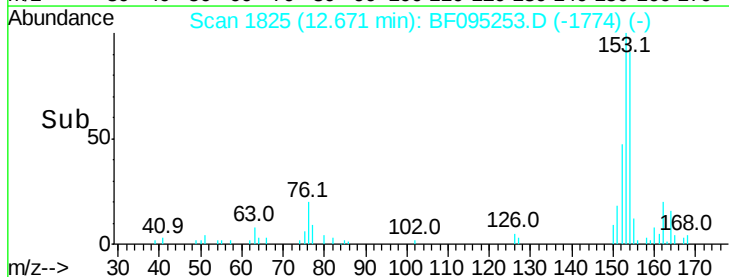
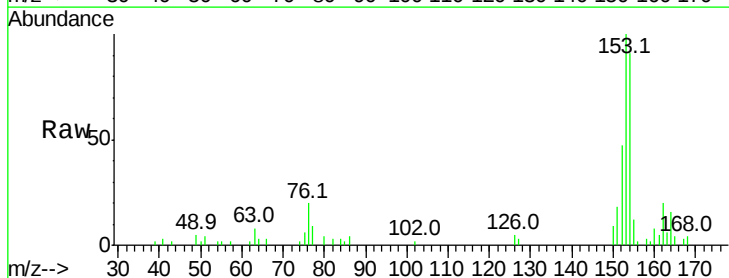
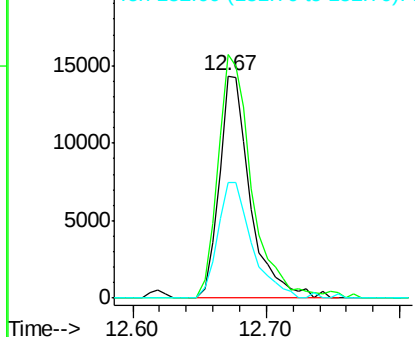
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

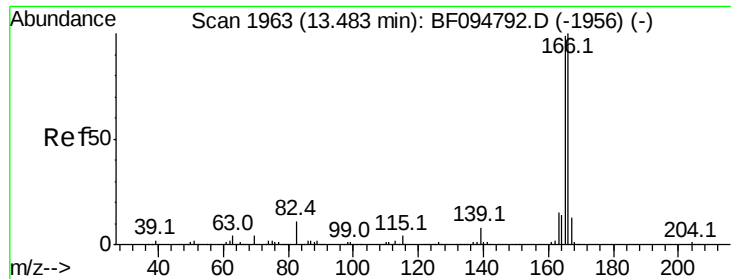


#51
Acenaphthene
Concen: 2.10 ng
RT: 12.67 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF095253.D
Acq: 19 May 2017 8:20

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	109.5	90.5	135.7	
152	51.7	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





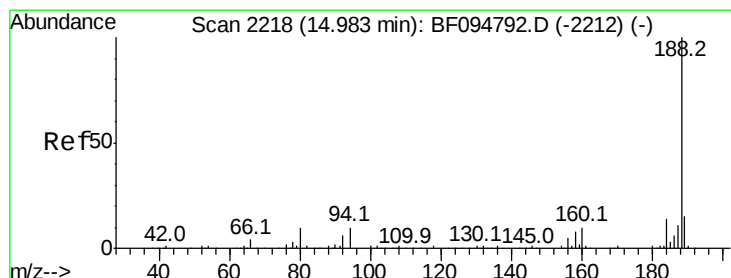
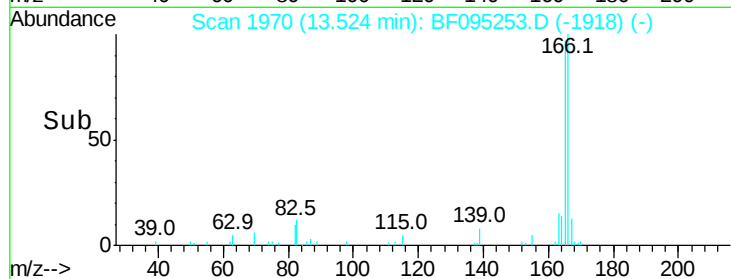
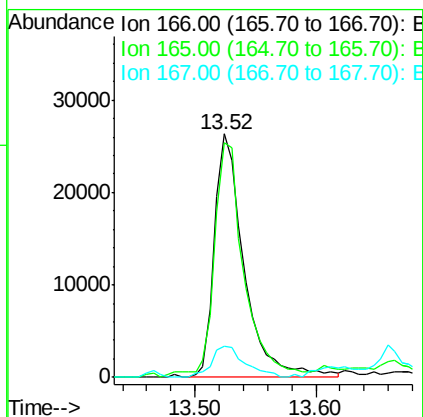
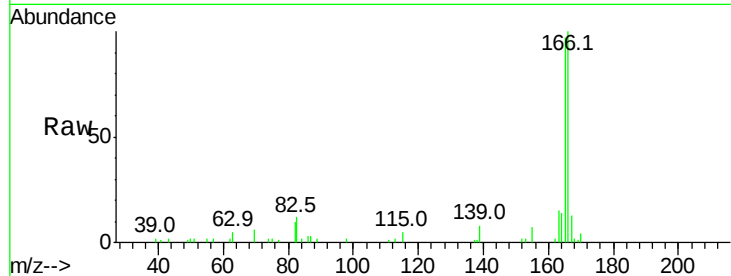
#57
Fluorene
 Concen: 3.33 ng
 RT: 13.52 min Scan# 1970
 Delta R.T. 0.01 min
 Lab File: BF095253.D
 Acq: 19 May 2017 8:20

Instrument :
 BNA_F
 ClientSampleId :
 SS-02DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.8	118.2
167	12.9	10.6	16.0

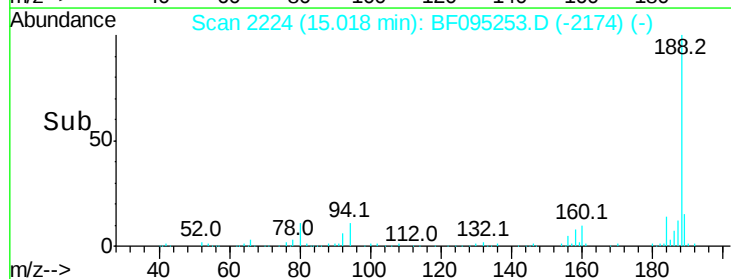
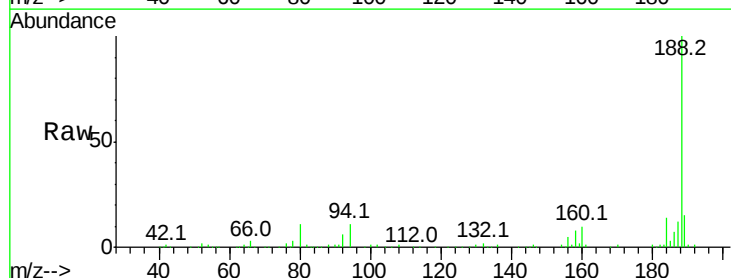
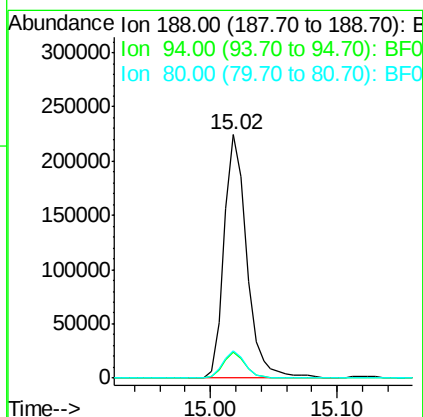
Manual Integrations
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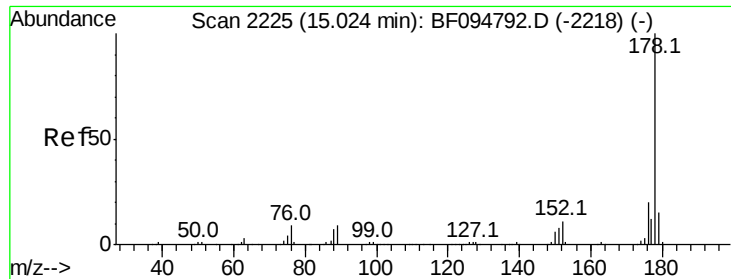
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF095253.D
 Acq: 19 May 2017 8:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.4	14.2
80	11.2	10.2	15.2





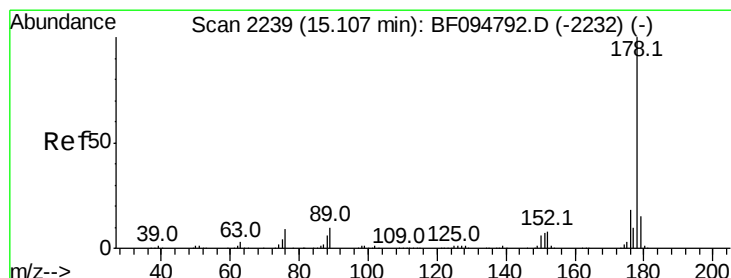
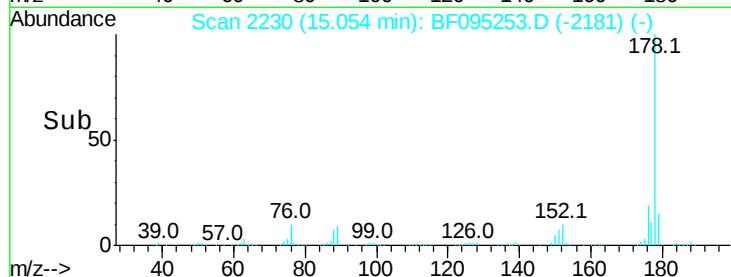
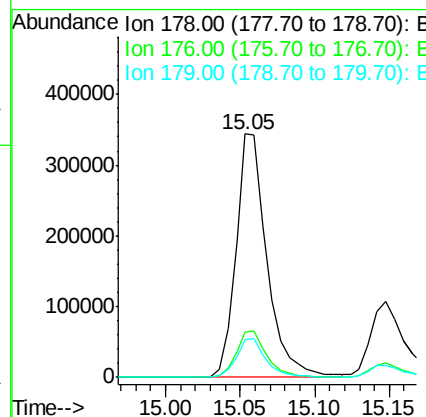
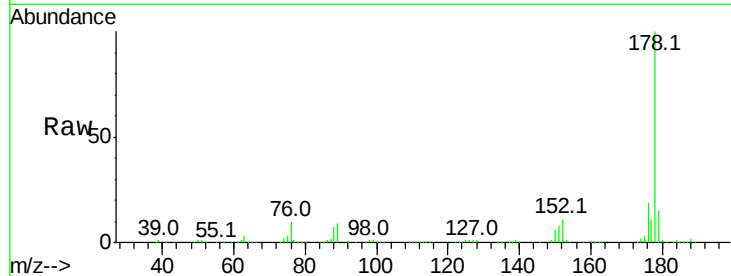
#70
Phenanthrene
Concen: 31.10 ng
RT: 15.05 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF095253.D
Acq: 19 May 2017 8:20

Instrument :
BNA_F
ClientSampleId :
SS-02DL

Tot Ion	Ratio	Resp	Lower	Upper
178	100	499658		
176	18.7		16.2	24.4
179	15.4		12.6	19.0

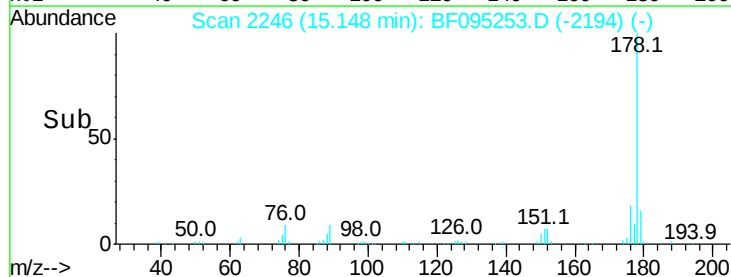
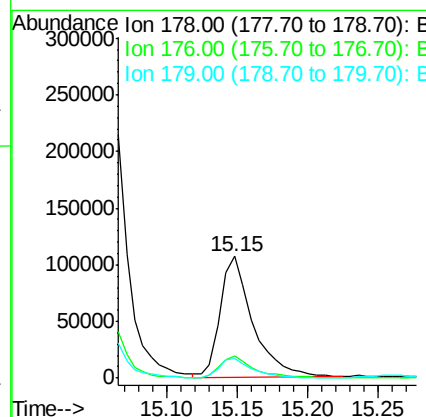
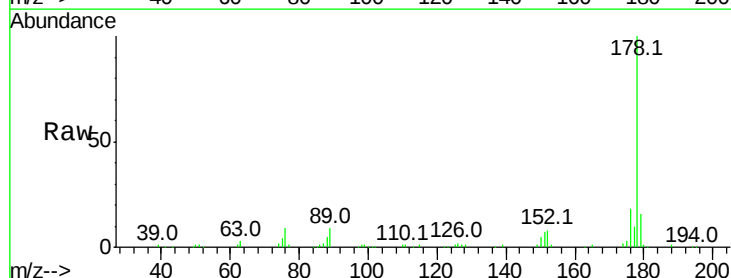
Manual Integrations
APPROVED

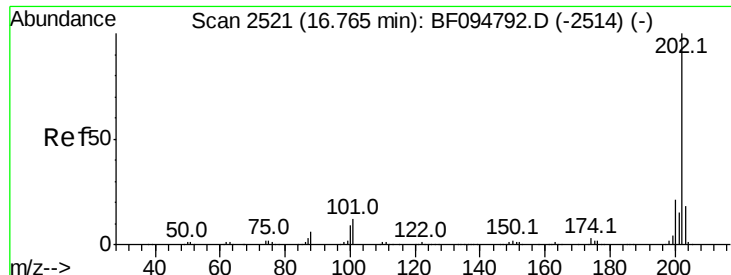
mohammad
5/19/2017 3:40:34 PM



#71
Anthracene
Concen: 10.32 ng
RT: 15.15 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF095253.D
Acq: 19 May 2017 8:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	169276		
176	18.5		15.8	23.8
179	16.4		12.7	19.1





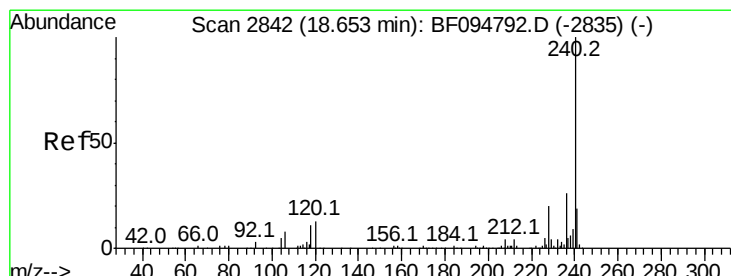
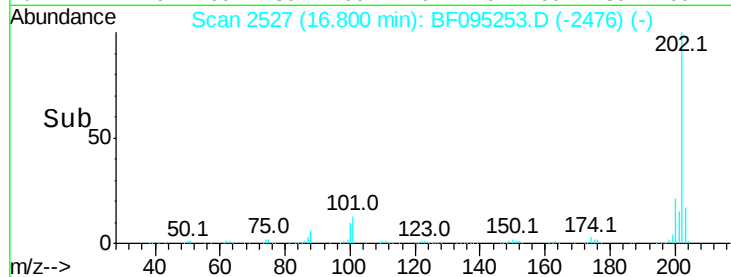
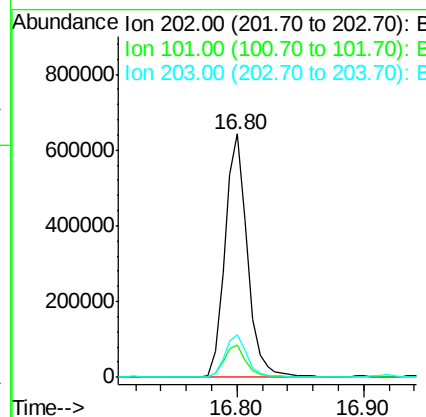
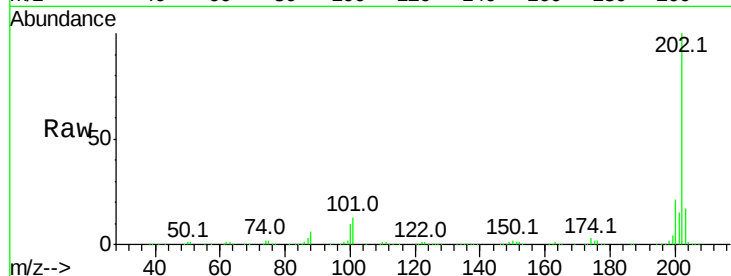
#74
 Fluoranthene
 Concen: 47.94 ng
 RT: 16.80 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: BF095253.D
 Acq: 19 May 2017 8:20

Instrument :
 BNA_F
 ClientSampleId :
 SS-02DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.1	0.0	33.2
203	17.5	0.0	38.1

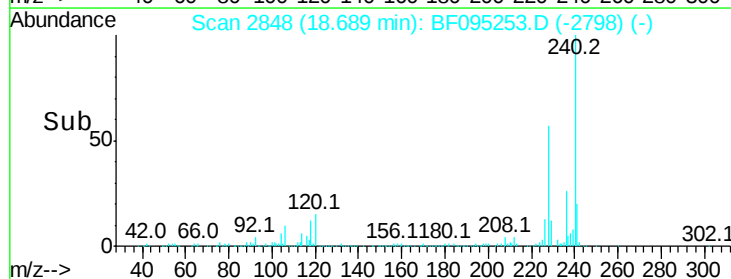
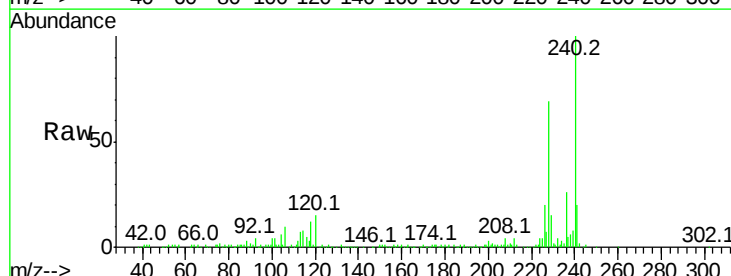
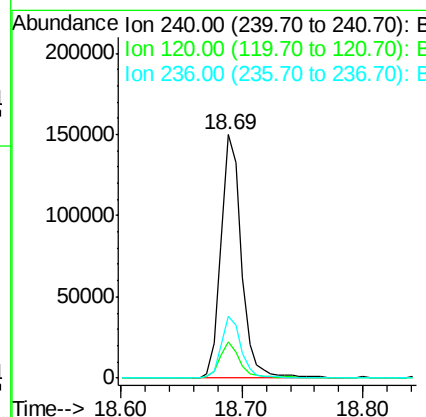
Manual Integrations
 APPROVED

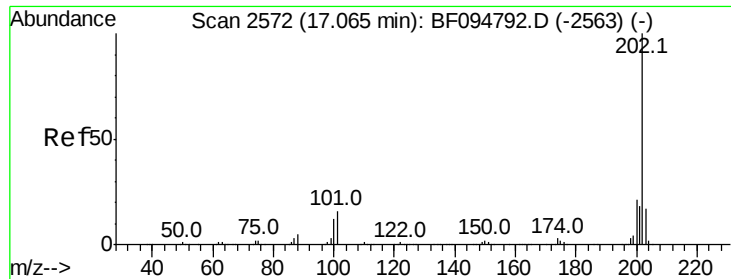
mohammad
 5/19/2017 3:40:34 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.69 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BF095253.D
 Acq: 19 May 2017 8:20

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.7	5.8	8.8#
236	25.5	20.5	30.7





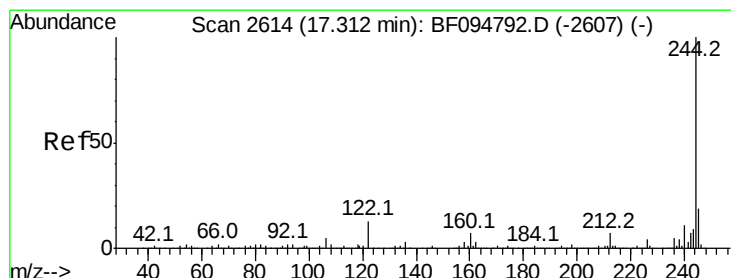
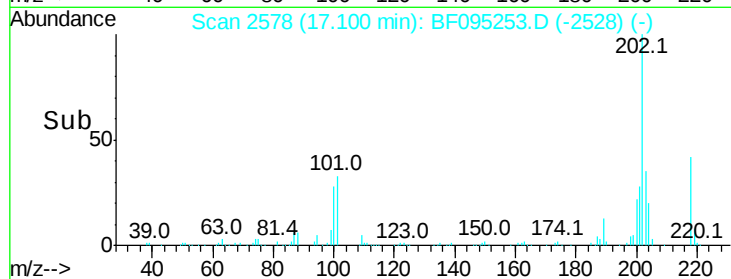
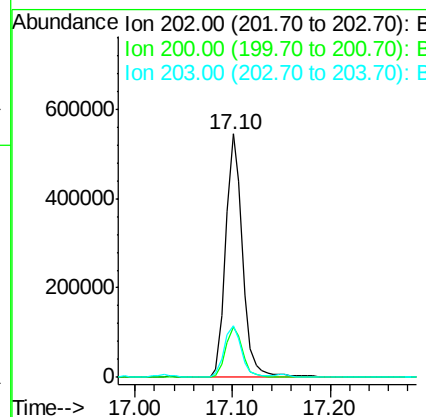
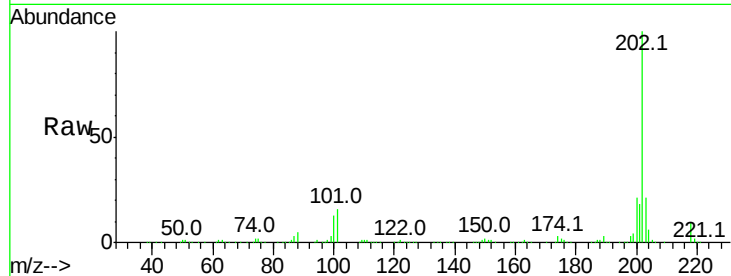
#77
Pvrene
Concen: 49.53 ng
RT: 17.10 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF095253.D
Acq: 19 May 2017 8:20

Instrument :
BNA_F
ClientSampleId :
SS-02DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.6	26.4
203	21.3	14.4	21.6

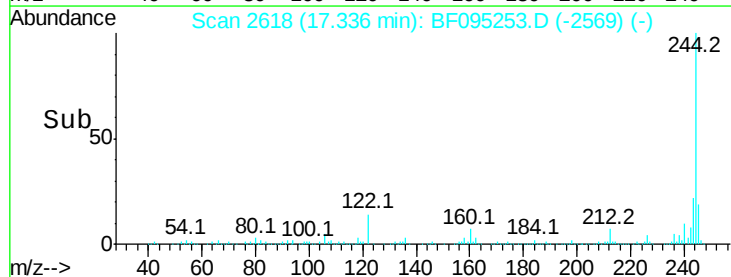
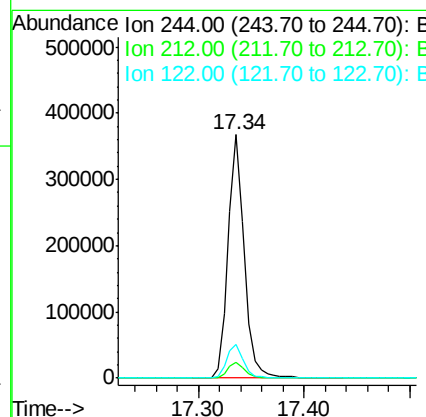
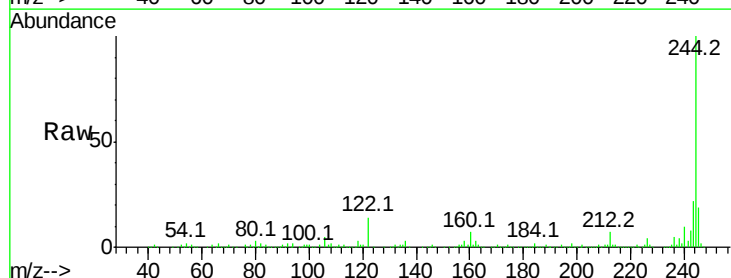
Manual Integrations
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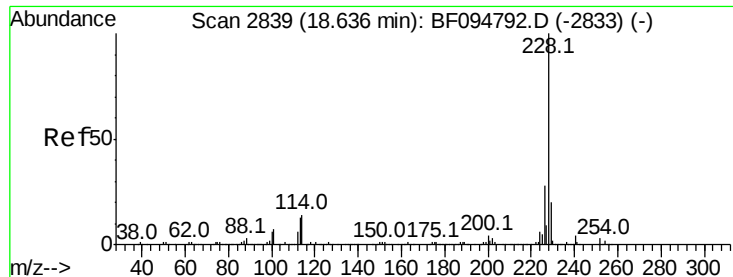
mohammad
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#78
Terphenyl-d14
Concen: 49.47 ng
RT: 17.34 min Scan# 2618
Delta R.T. -0.01 min
Lab File: BF095253.D
Acq: 19 May 2017 8:20

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.8	10.3	15.5





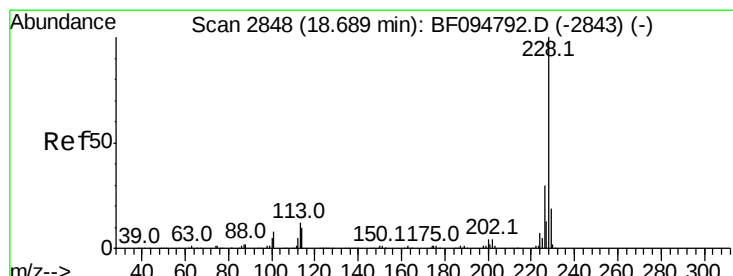
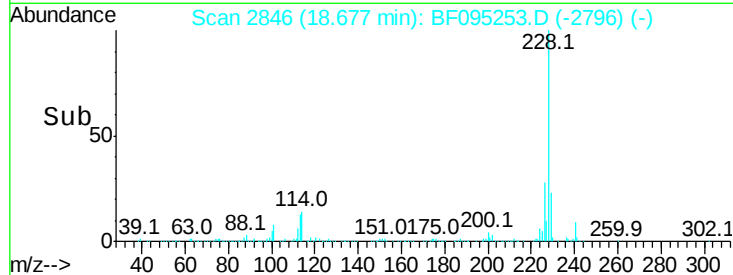
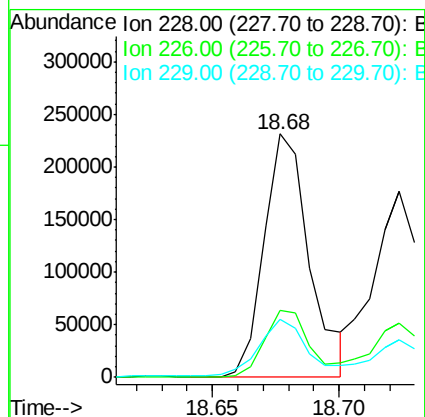
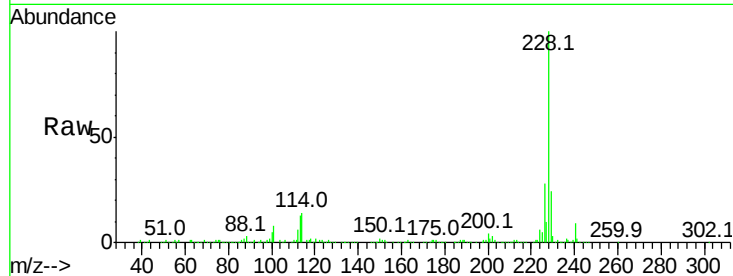
#80
Benzo(a)anthracene
Concen: 28.33 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BF095253.D
Acq: 19 May 2017 8:20

Instrument :
BNA_F
ClientSampleId :
SS-02DL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	288620		
226	27.7	22.6	33.8	
229	23.6	16.3	24.5	

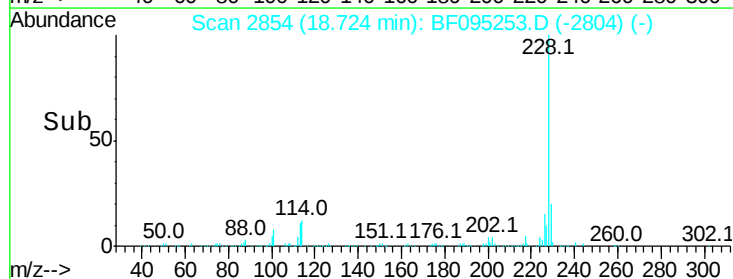
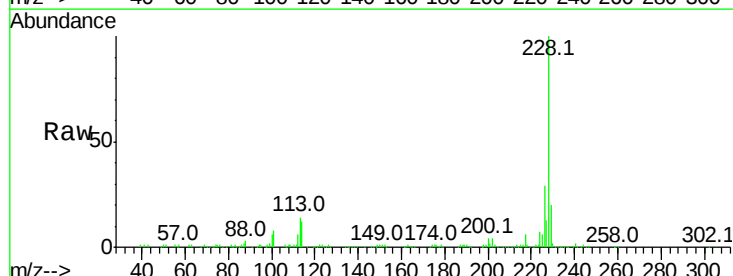
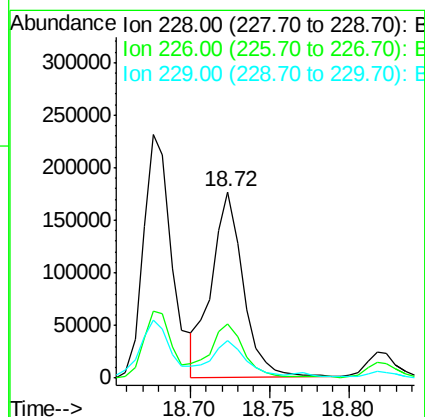
Manual Integrations
APPROVED

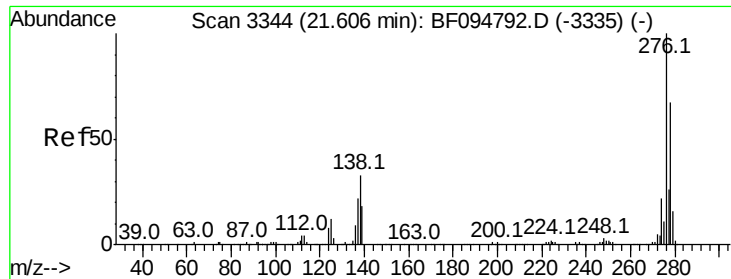
mohammad
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#82
Chrysene
Concen: 24.97 ng
RT: 18.72 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BF095253.D
Acq: 19 May 2017 8:20

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	245960		
226	29.4	24.9	37.3	
229	20.5	15.8	23.6	





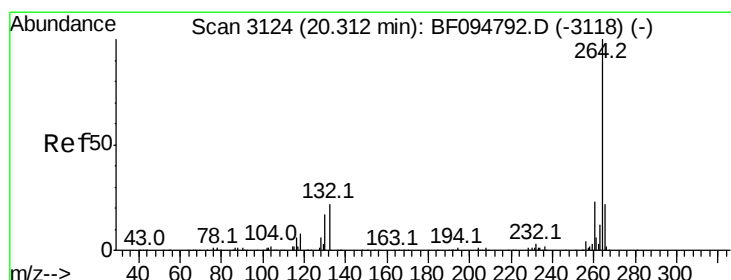
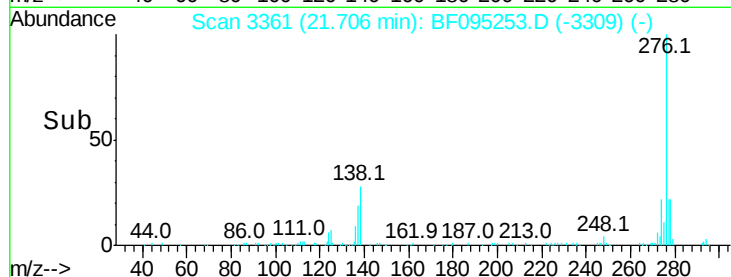
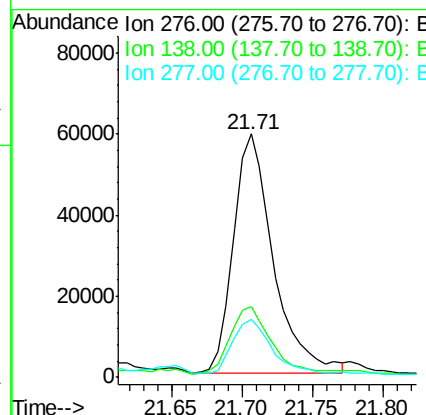
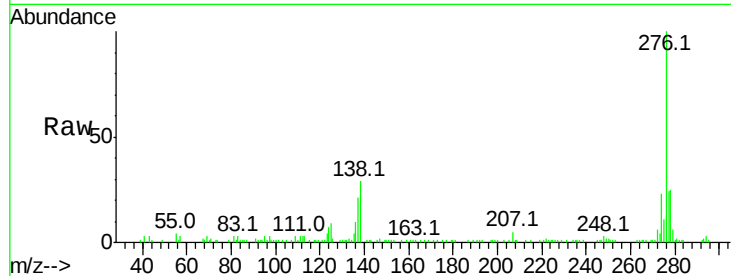
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.60 ng
RT: 21.71 min Scan# 3361
Delta R.T. 0.01 min
Lab File: BF095253.D
Acq: 19 May 2017 8:20

Instrument :
BNA_F
ClientSampleId :
SS-02DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.3	27.8	41.6
277	21.9	20.2	30.4

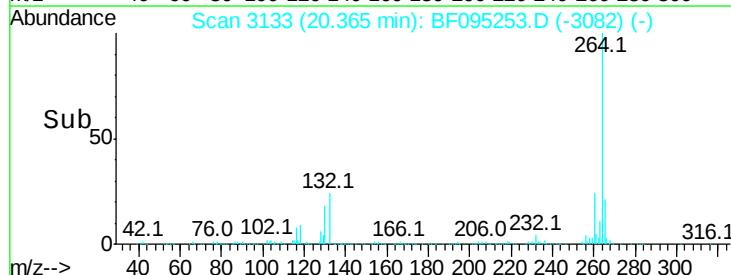
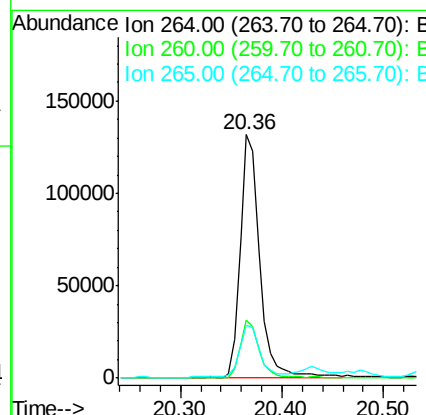
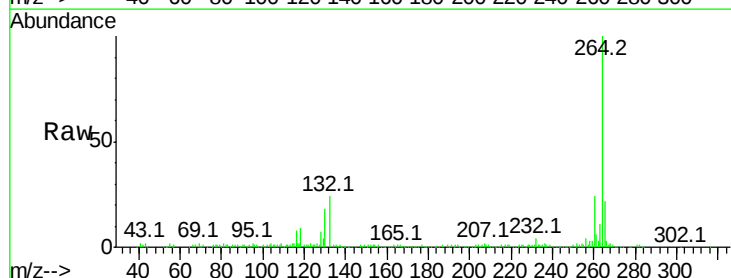
Manual Integrations
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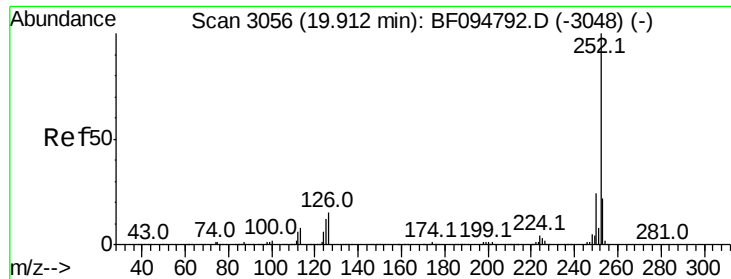
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3133
Delta R.T. -0.00 min
Lab File: BF095253.D
Acq: 19 May 2017 8:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 27.73 ng m

RT: 19.96 min Scan# 3064

Delta R.T. -0.00 min

Lab File: BF095253.D

Acq: 19 May 2017 8:20

Instrument :

BNA_F

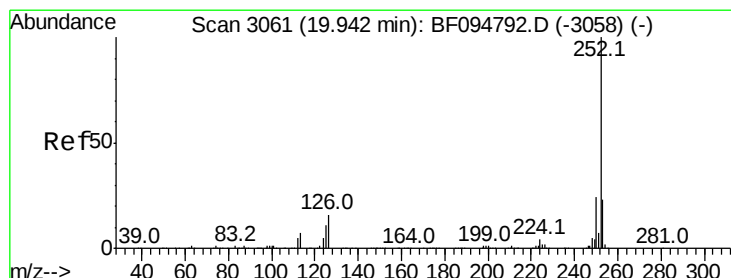
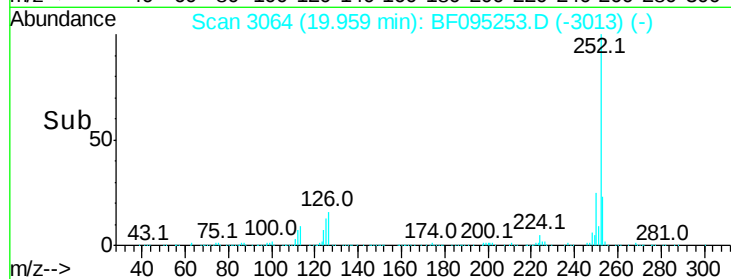
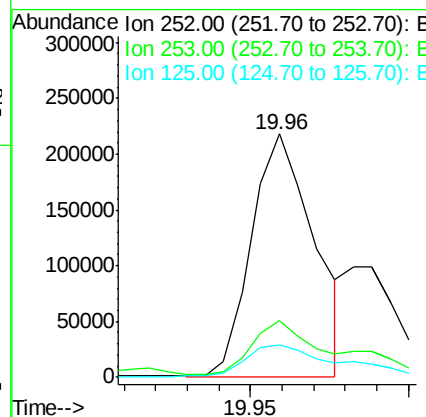
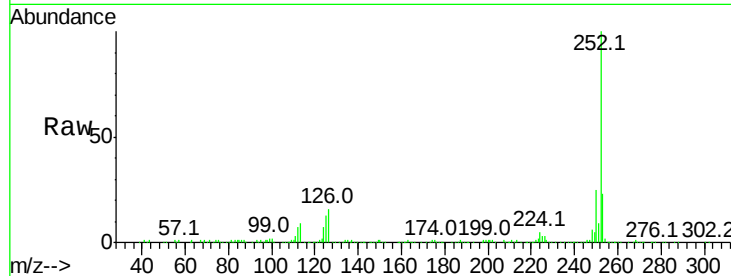
ClientSampled :

SS-02DL

Tot Ion:	252	Resp:	302946
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.1	27.1
125	13.3	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 11.42 ng m

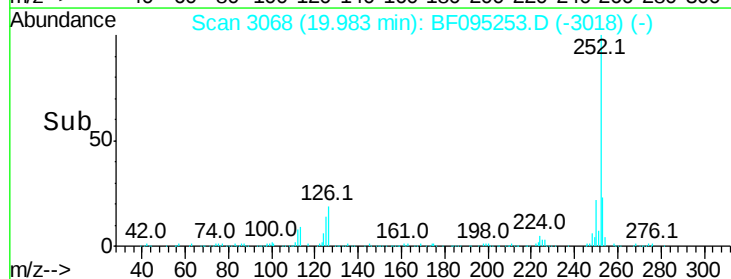
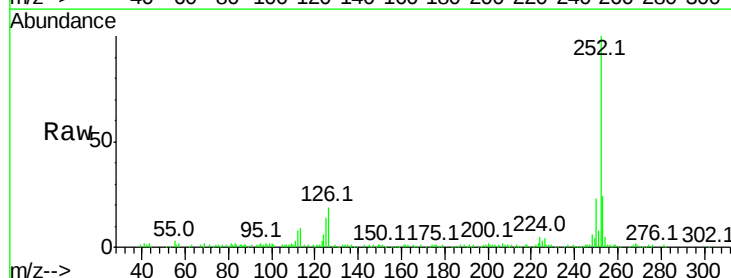
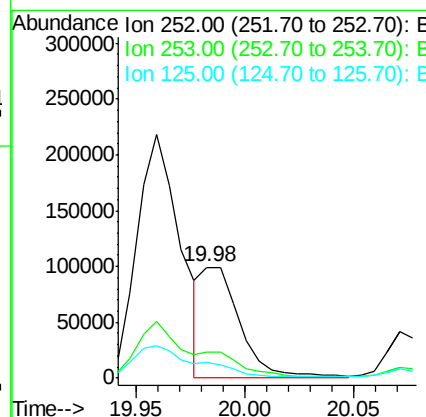
RT: 19.98 min Scan# 3068

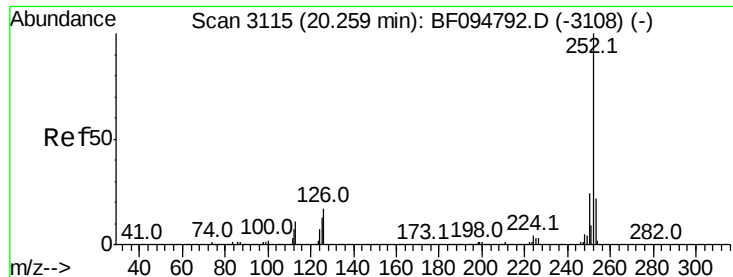
Delta R.T. -0.01 min

Lab File: BF095253.D

Acq: 19 May 2017 8:20

Tgt Ion:	252	Resp:	120387
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.4	27.6
125	14.3	13.1	19.7





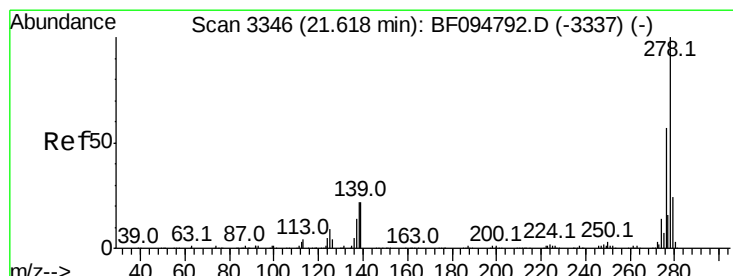
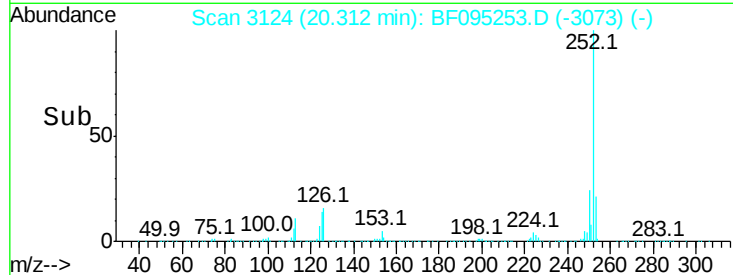
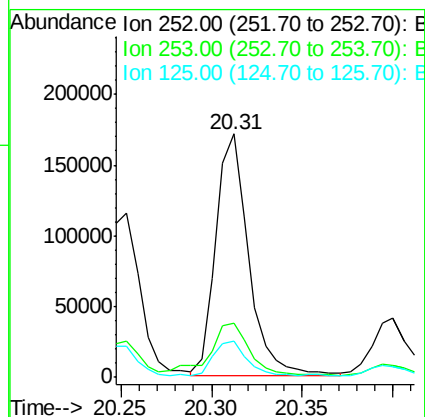
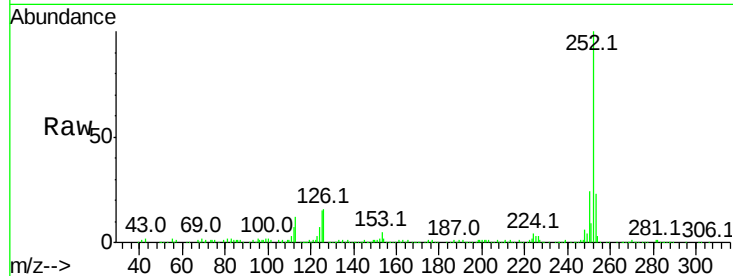
#89
Benzo(a)pyrene
Concen: 21.45 ng
RT: 20.31 min Scan# 3124
Delta R.T. -0.00 min
Lab File: BF095253.D
Acq: 19 May 2017 8:20

Instrument :
BNA_F
ClientSampleId :
SS-02DL

Tot Ion:	252	Resp:	216211
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.5	26.3
125	14.7	11.0	16.4

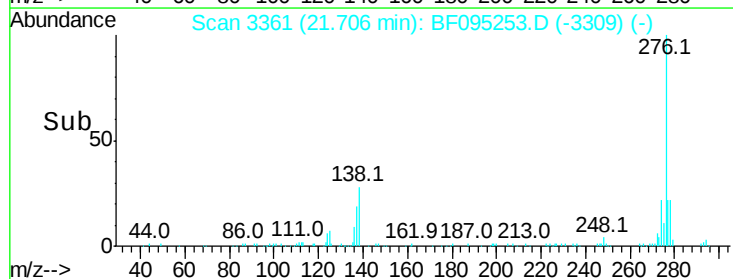
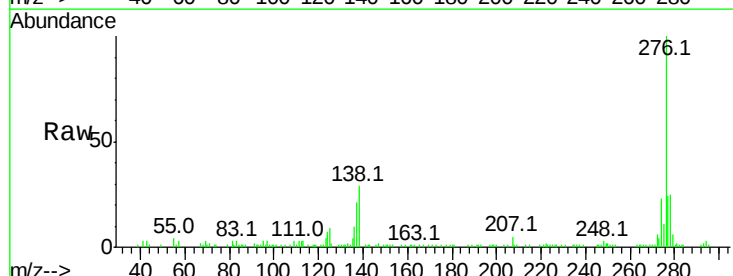
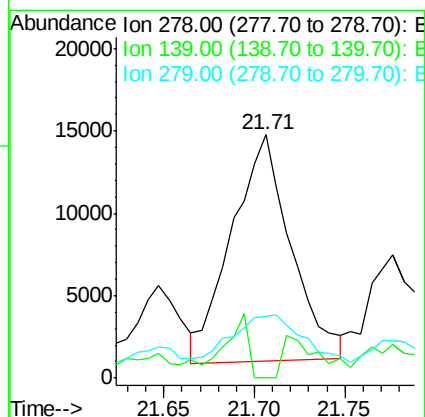
Manual Integrations
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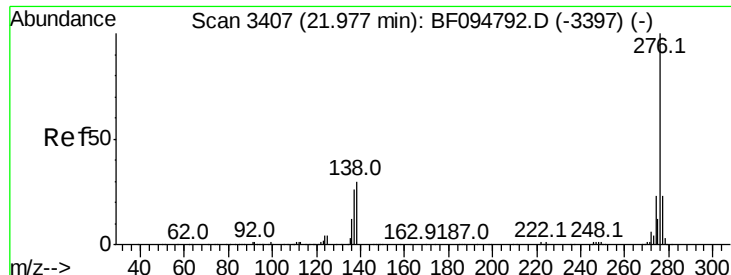
mohammad
5/19/2017 3:40:34 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.75 ng
RT: 21.71 min Scan# 3361
Delta R.T. 0.01 min
Lab File: BF095253.D
Acq: 19 May 2017 8:20

Tgt Ion:	278	Resp:	31196
Ion Ratio	Lower	Upper	
278	100		
139	0.0	16.6	24.8#
279	25.3	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 12.15 ng
 RT: 22.09 min Scan# 3427
 Delta R.T. 0.01 min
 Lab File: BF095253.D
 Acq: 19 May 2017 8:20

Instrument :
 BNA_F
 ClientSampleId :
 SS-02DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	30.7	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 5/19/2017 3:40:34 PM

