

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095439.D
 Acq On : 25 May 2017 23:36
 Operator : SJ/MA
 Sample : I3200-04 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-DUP2-20170517

Manual Integrations
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Quant Time: May 26 04:03:10 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	7.74	152	98945	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	396776	20.00	ng	-0.02
38) Acenaphthene-d10	12.60	164	169141	20.00	ng	-0.02
63) Phenanthrene-d10	15.00	188	240079	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	200301	20.00	ng	-0.02
86) Perylene-d12	20.36	264	152644	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	362355	61.06	ng	-0.02
7) Phenol-d6	7.30	99	444818	62.47	ng	-0.01
23) Nitrobenzene-d5	8.65	82	245642	39.04	ng	-0.02
41) 2,4,6-Tribromophenol	13.91	330	73010	52.71	ng	-0.01
44) 2-Fluorobiphenyl	11.54	172	532202	45.29	ng	-0.02
78) Terphenyl-d14	17.32	244	314335	34.57	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	12.24	163	122313	8.81	ng	98
70) Phenanthrene	15.04	178	252779	18.32	ng	96
71) Anthracene	15.13	178	51130	3.63	ng	97
74) Fluoranthene	16.78	202	377436	26.67	ng	98
77) Pyrene	17.09	202	421929	28.17	ng	96
80) Benzo(a)anthracene	18.67	228	172178	14.77	ng	97
82) Chrysene	18.71	228	196745	17.45	ng	99
83) Bis(2-ethylhexyl)phthalate	18.72	149	21086	2.12	ng	# 92
85) Indeno(1,2,3-cd)pyrene	21.70	276	60020	6.56	ng	94
87) Benzo(b)fluoranthene	19.95	252	168996m	17.92	ng	
88) Benzo(k)fluoranthene	19.98	252	64002m	7.03	ng	
89) Benzo(a)pyrene	20.30	252	120349	13.83	ng	96
90) Dibenzo(a,h)anthracene	21.69	278	18672	2.60	ng	# 89
91) Benzo(a,h,i)perylene	22.09	276	61961	8.78	ng	97

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

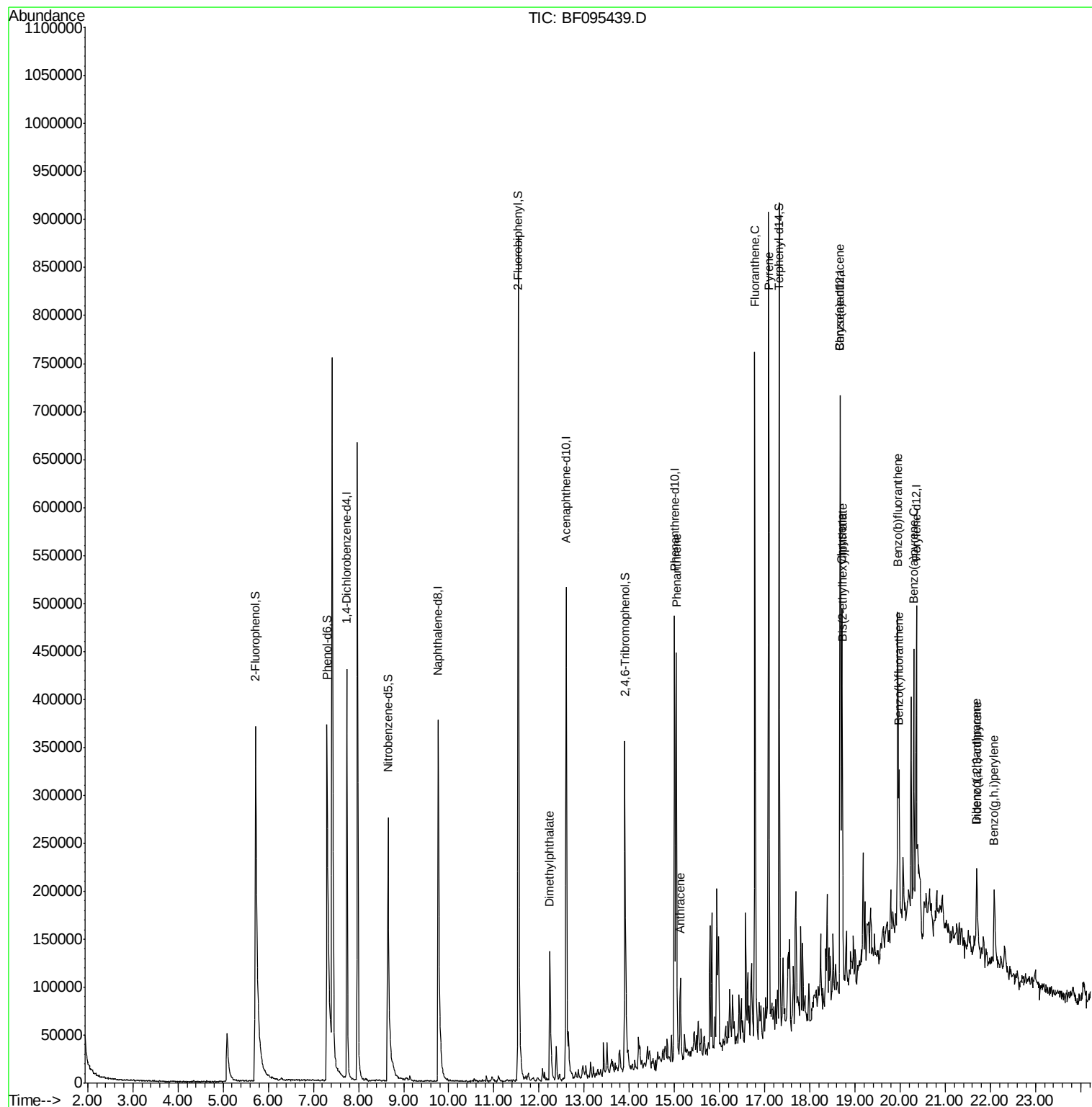
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
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#1

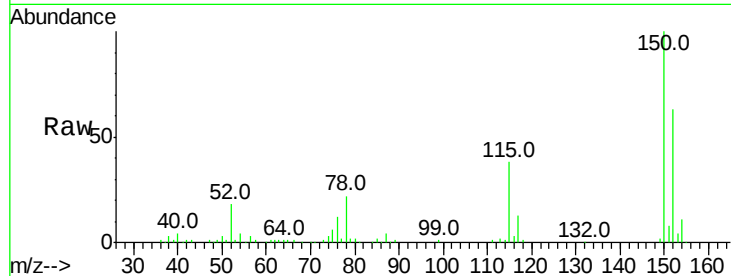
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Instrument :
BNA_F
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POST-EX-DUP2-20170517

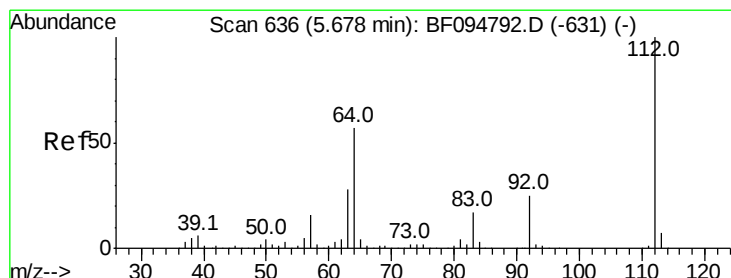
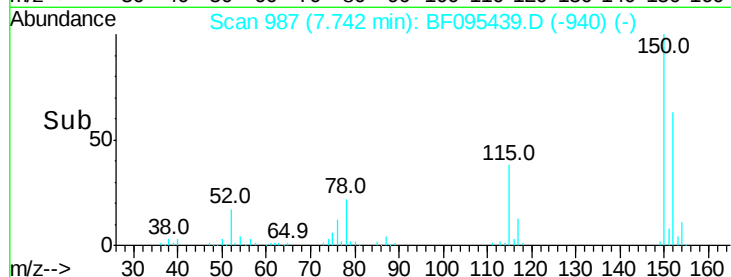
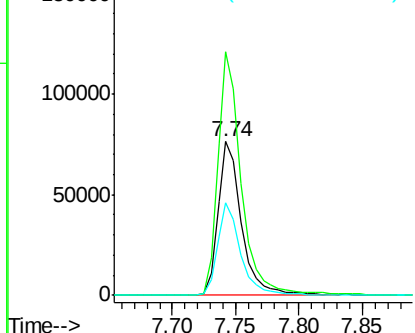
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	126.2	189.2
115	59.9	52.2	78.2

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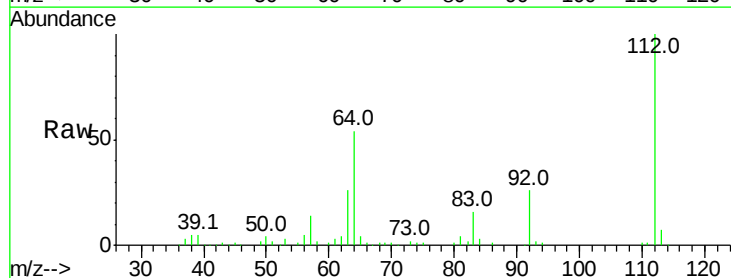
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



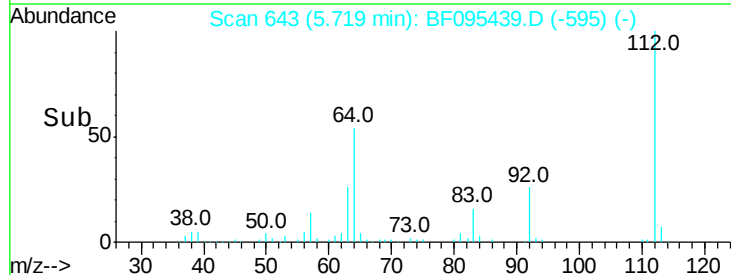
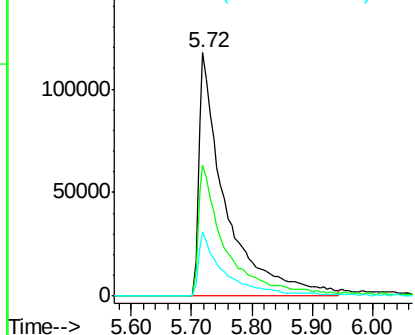
#5

2-Fluorophenol
Concen: 61.06 ng
RT: 5.72 min Scan# 643
Delta R.T. -0.02 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	46.0	69.0
63	26.4	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: 62.47 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095439.D

Acq: 25 May 2017 23:36

Instrument :

BNA_F

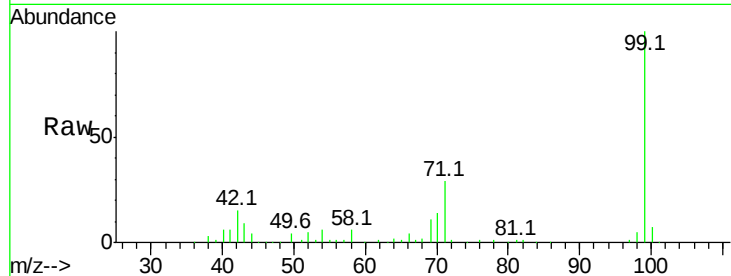
ClientSampleId :

POST-EX-DUP2-20170517

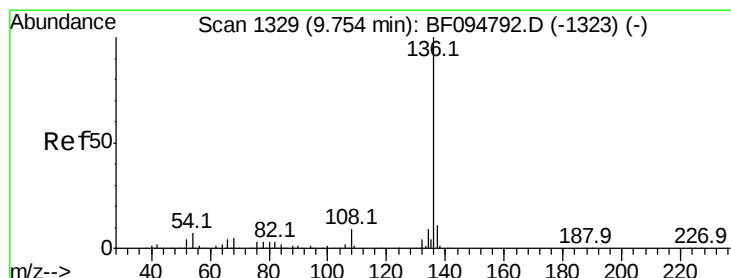
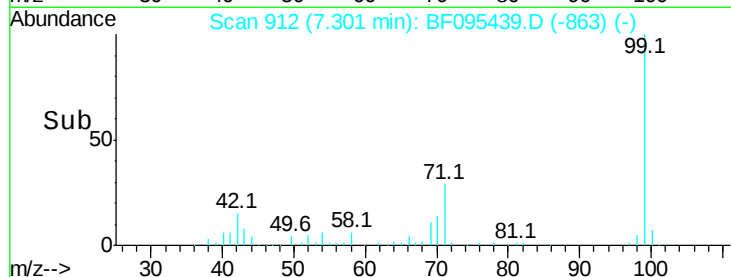
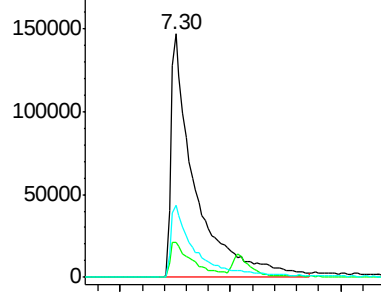
Tot Ion:	99	Resp:	444818
Ion Ratio	Lower	Upper	
99	100		
42	14.6	13.5	20.3
71	29.4	24.5	36.7

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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: 9.77 min Scan# 1331

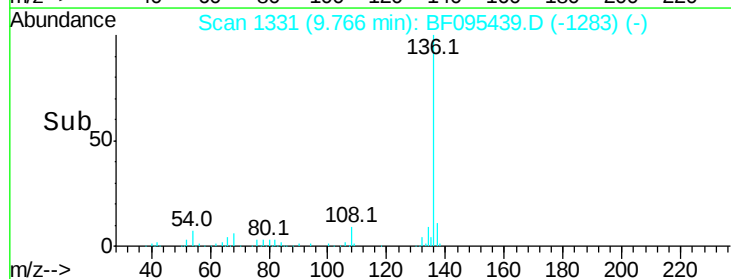
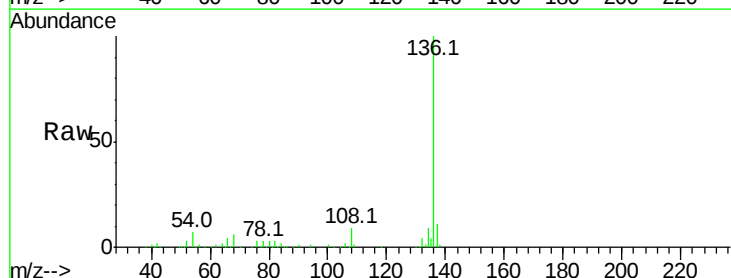
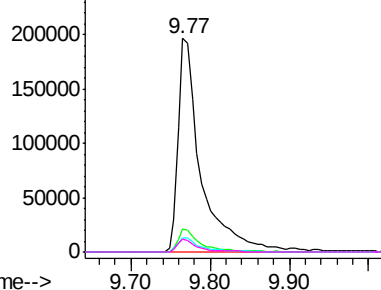
Delta R.T. -0.02 min

Lab File: BF095439.D

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Tgt Ion:	136	Resp:	396776
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	6.9	4.9	7.3
68	6.0	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





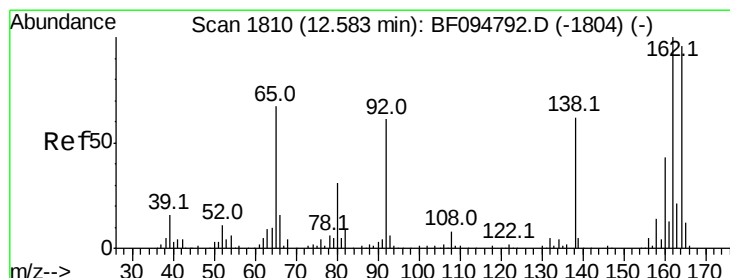
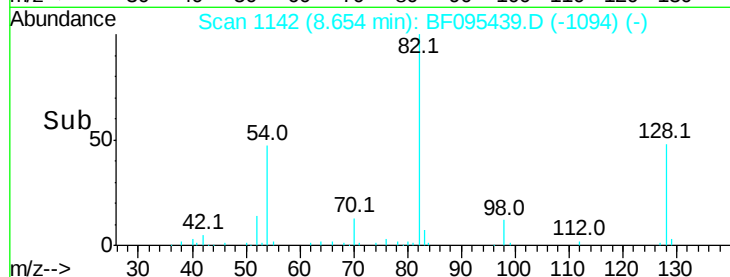
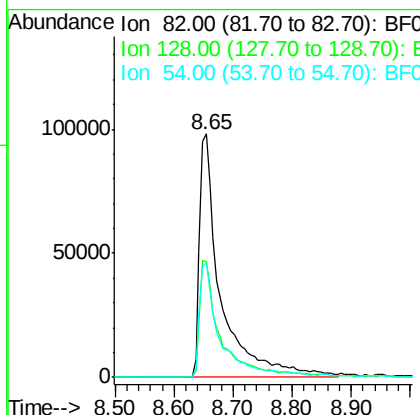
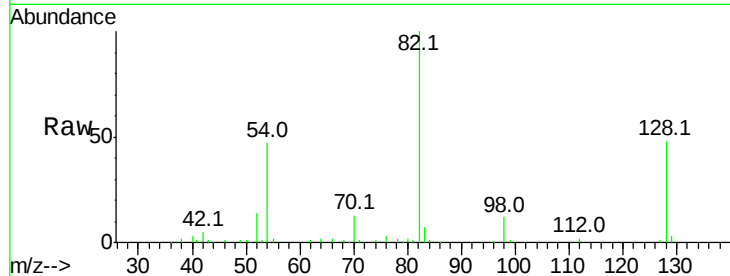
#23
 Nitrobenzene-d5
 Concen: 39.04 ng
 RT: 8.65 min Scan# 1142
 Delta R.T. -0.02 min
 Lab File: BF095439.D
 Acq: 25 May 2017 23:36

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.6	34.0	51.0	
54	46.7	42.2	63.2	

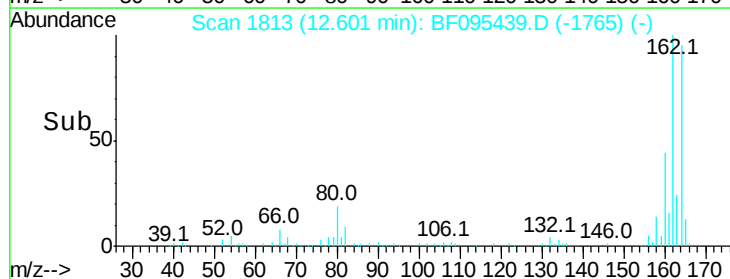
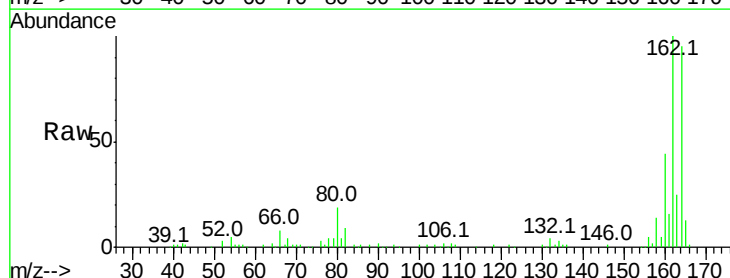
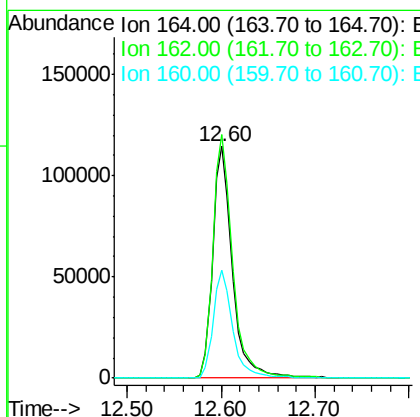
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.60 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF095439.D
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Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.0	82.6	123.8	
160	46.6	36.2	54.2	





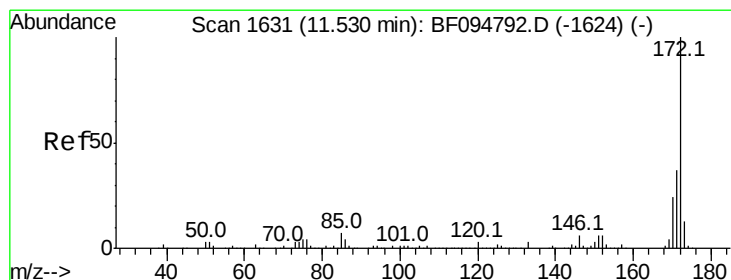
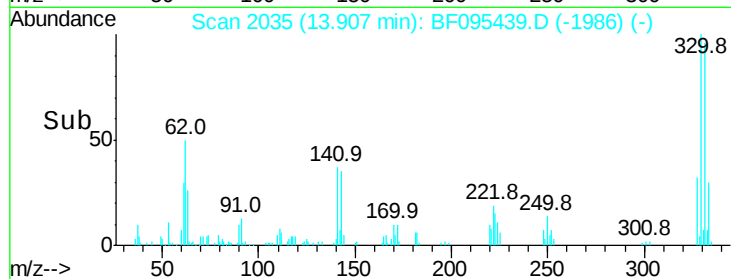
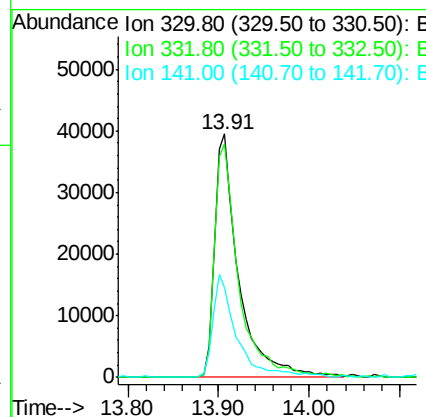
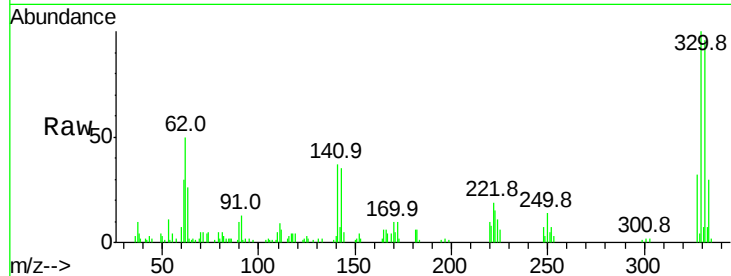
#41
 2,4,6-Tribromophenol
 Concen: 52.71 ng
 RT: 13.91 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF095439.D
 Acq: 25 May 2017 23:36

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-DUP2-20170517

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	42.5	31.4	47.2

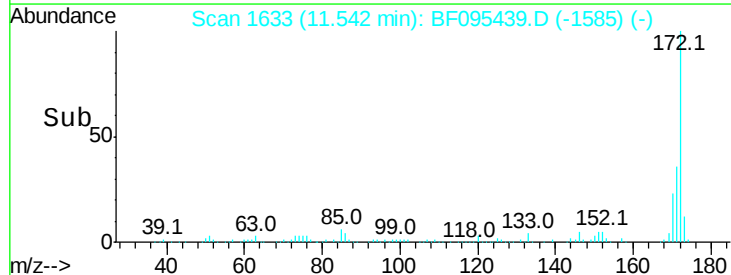
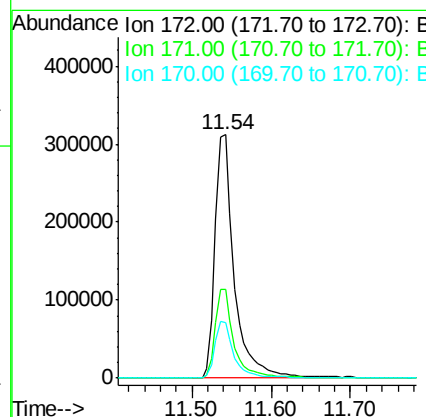
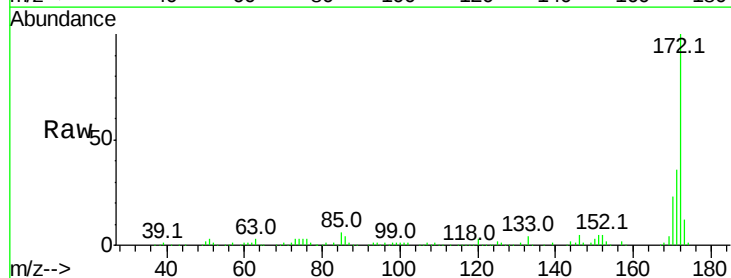
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#44
 2-Fluorobiphenyl
 Concen: 45.29 ng
 RT: 11.54 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095439.D
 Acq: 25 May 2017 23:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	22.6	19.8	29.8





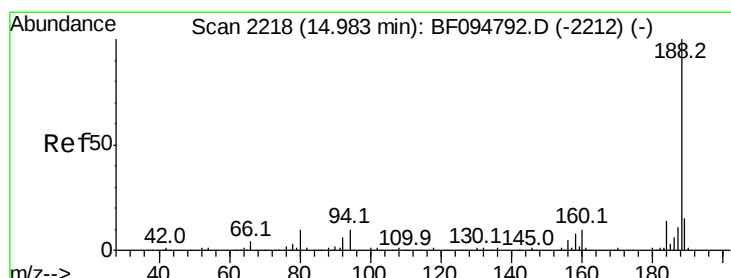
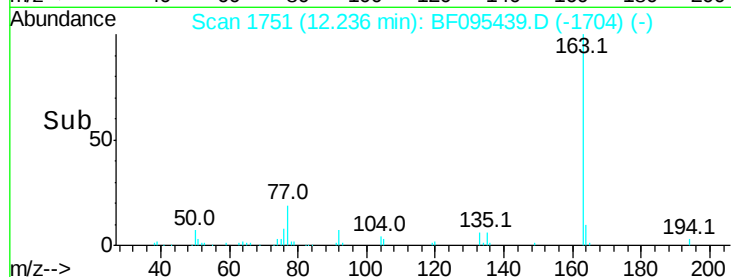
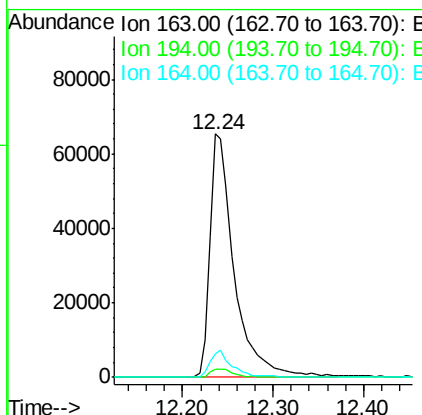
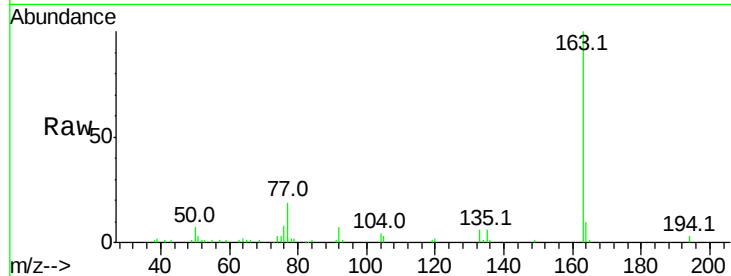
#49
Dimethylphthalate
Concen: 8.81 ng
RT: 12.24 min Scan# 1751
Delta R.T. -0.02 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Instrument :
BNA_F
ClientSampleId :
POST-EX-DUP2-20170517

Tot Ion	Ratio	Resp	Lower	Upper
163	100	122313		
194	3.4	2.6	4.0	
164	9.6	8.4	12.6	

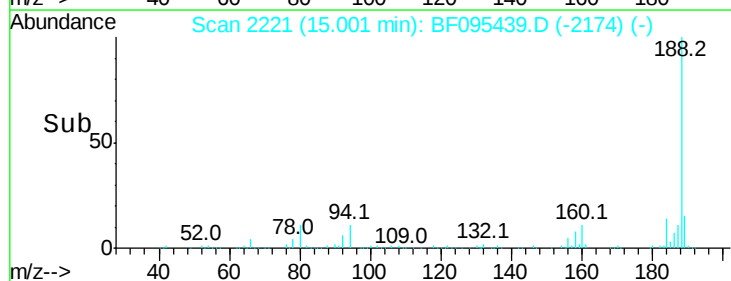
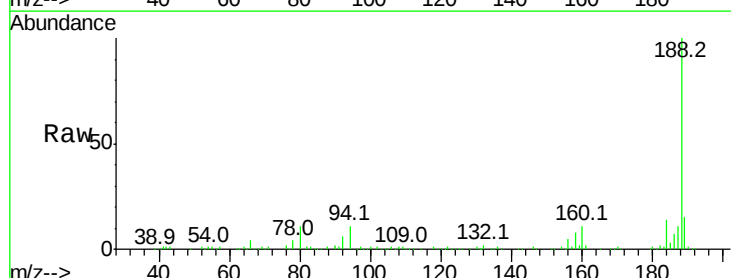
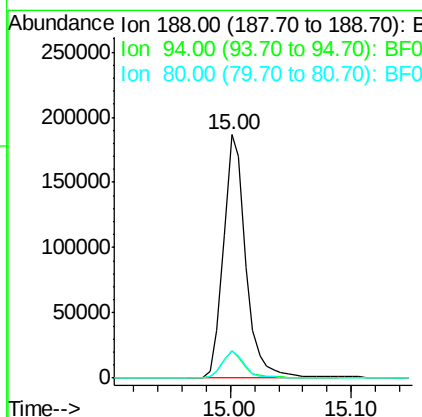
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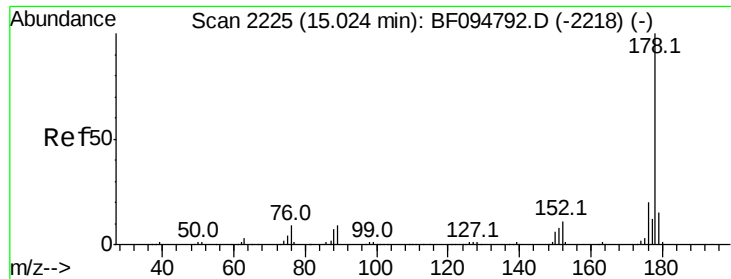
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	240079		
94	11.2	9.4	14.2	
80	11.2	10.2	15.2	





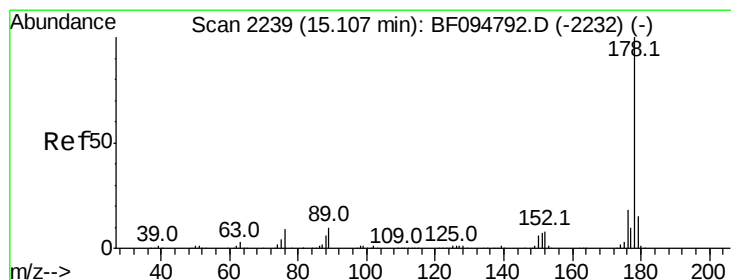
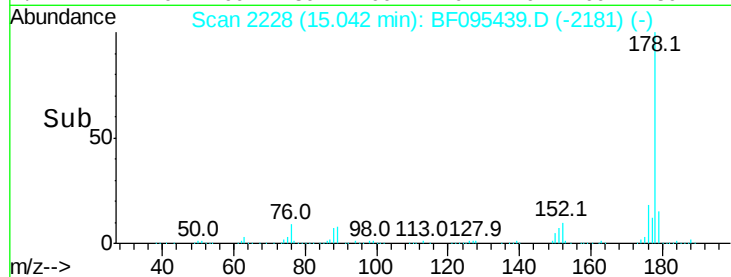
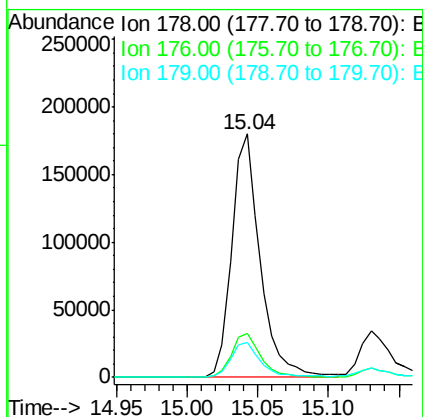
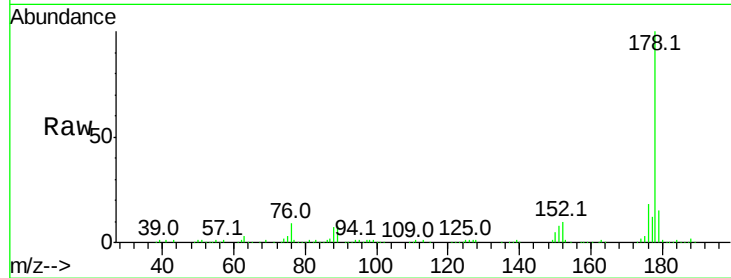
#70
Phenanthrene
Concen: 18.32 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.2	24.4
179	14.5	12.6	19.0

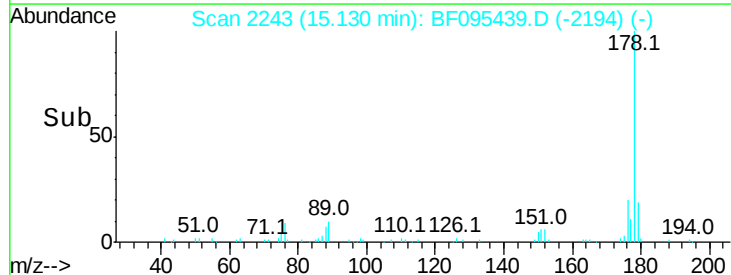
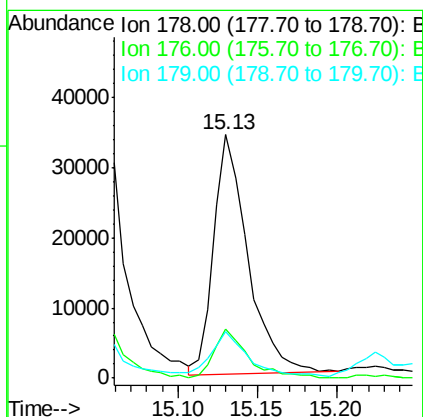
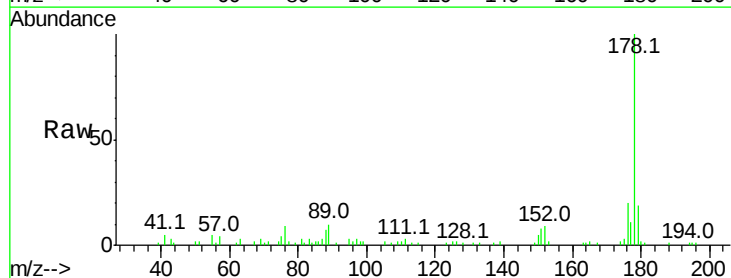
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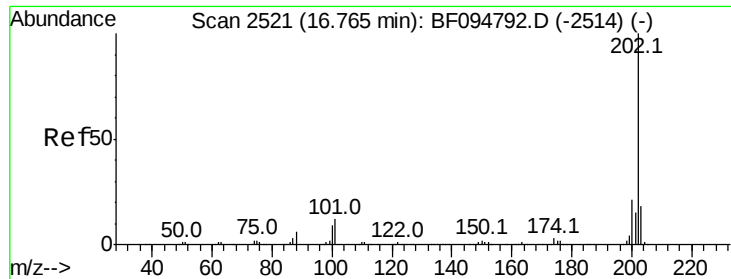
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#71
Anthracene
Concen: 3.63 ng
RT: 15.13 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	18.9	12.7	19.1





#74

Fluoranthene

Concen: 26.67 ng

RT: 16.78 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095439.D

Acq: 25 May 2017 23:36

Instrument :

BNA_F

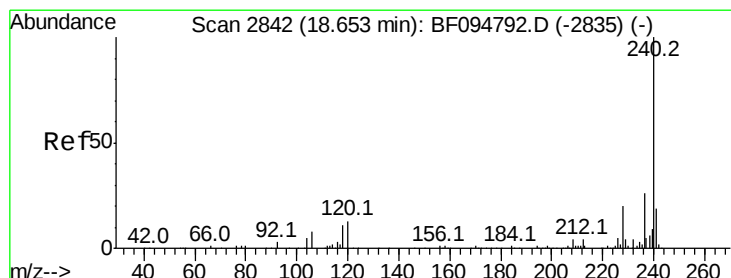
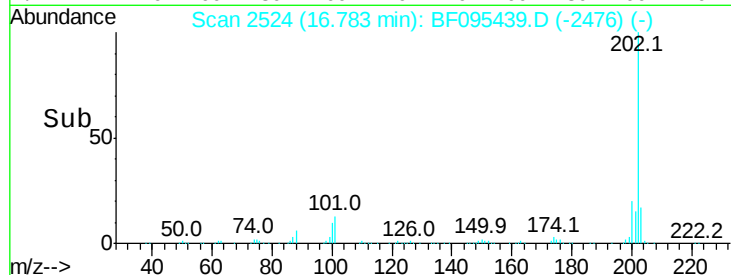
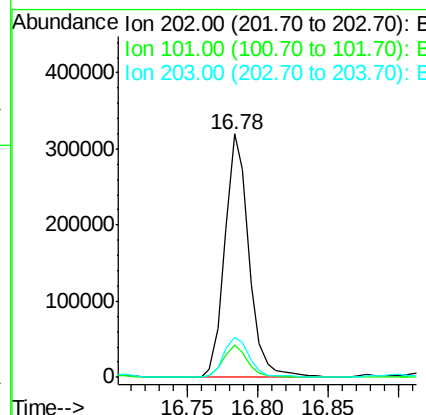
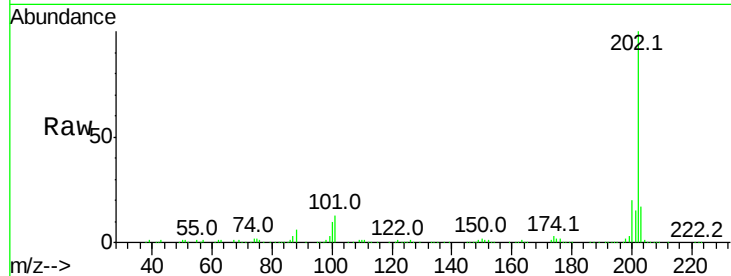
ClientSampleId :

POST-EX-DUP2-20170517

Tot Ion	Ratio	Resp	Lower	Upper
202	100	377436		
101	13.3	0.0	33.2	
203	16.7	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

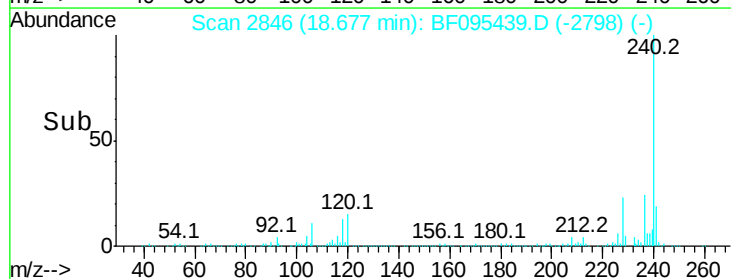
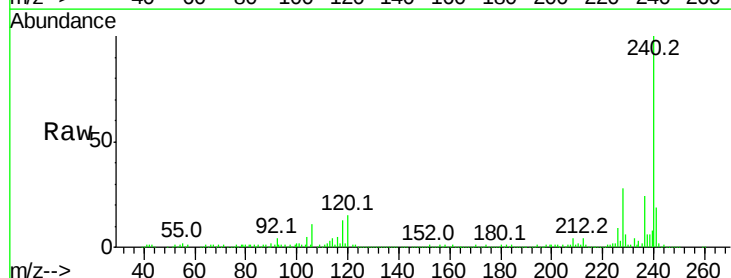
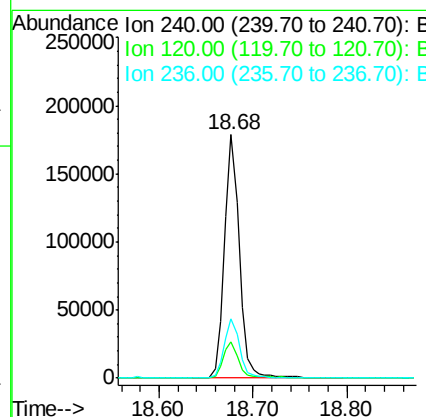
RT: 18.68 min Scan# 2846

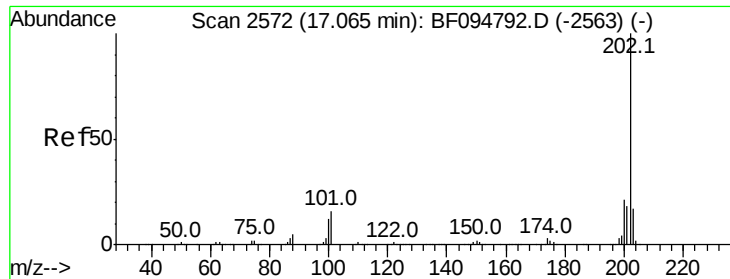
Delta R.T. -0.02 min

Lab File: BF095439.D

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Tgt Ion	Ratio	Resp	Lower	Upper
240	100	200301		
120	14.9	5.8	8.8#	
236	24.5	20.5	30.7	





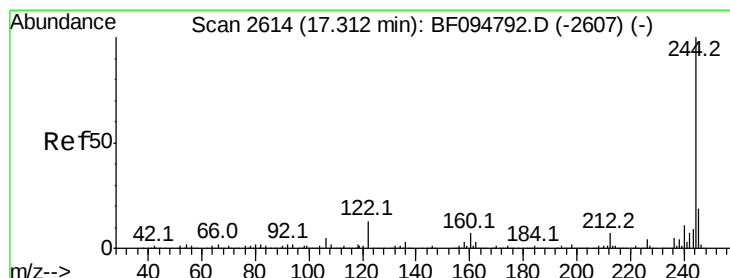
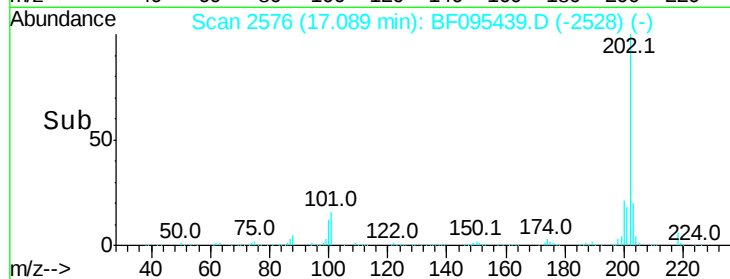
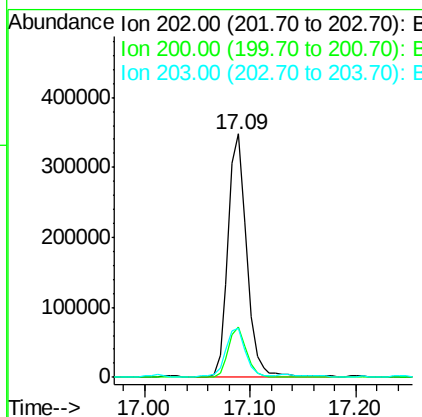
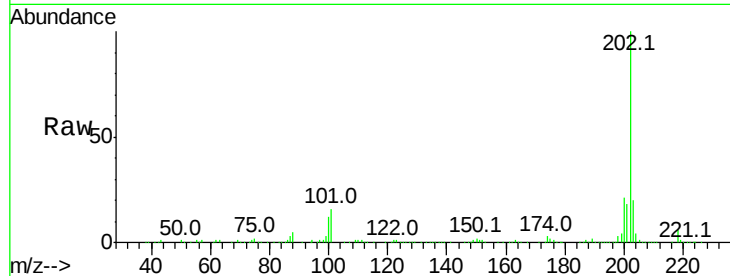
#77
Pvrene
Concen: 28.17 ng
RT: 17.09 min Scan# 2576
Delta R.T. -0.02 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Instrument :
BNA_F
ClientSampleId :
POST-EX-DUP2-20170517

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.6	26.4
203	20.0	14.4	21.6

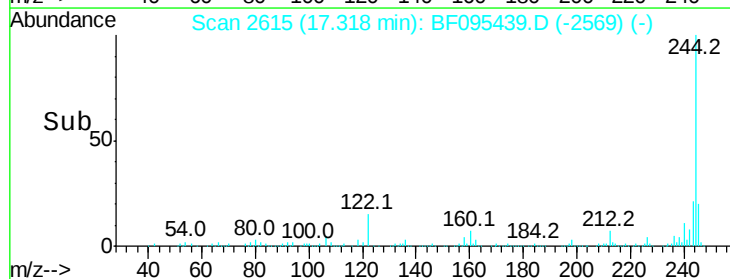
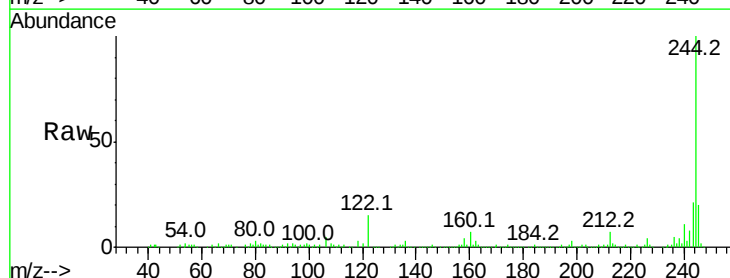
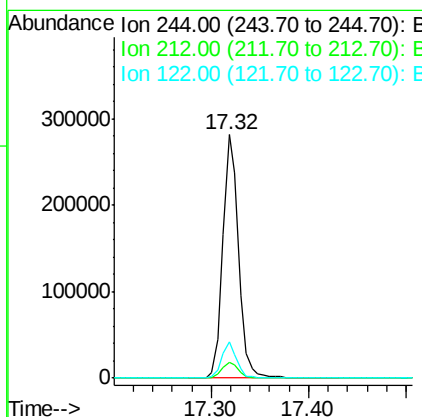
Manual Integrations
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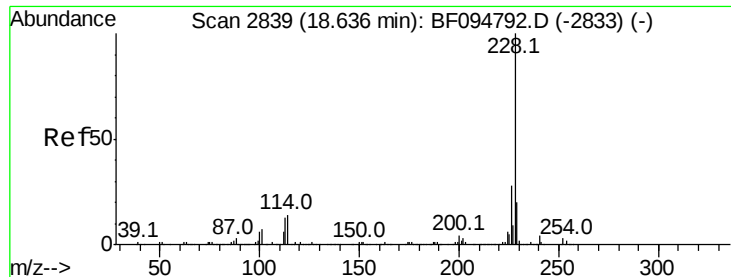
mohammad
5/26/2017 1:26:34 PM



#78
Terphenyl-d14
Concen: 34.57 ng
RT: 17.32 min Scan# 2615
Delta R.T. -0.03 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	14.8	10.3	15.5





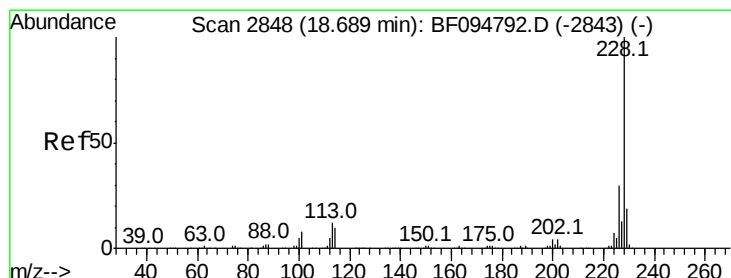
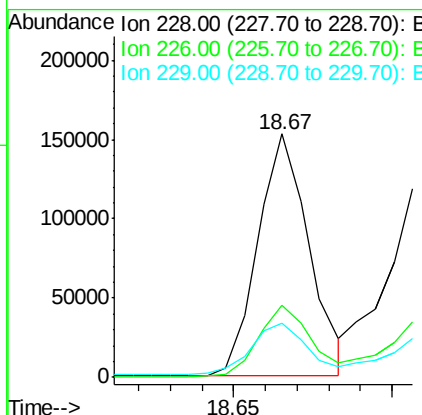
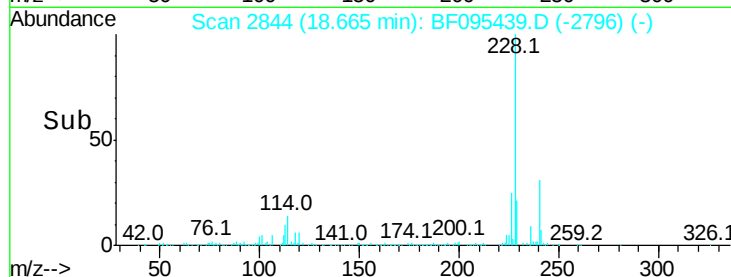
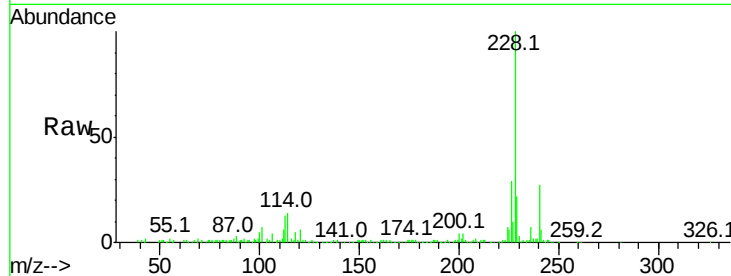
#80
Benzo(a)anthracene
Concen: 14.77 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Instrument :
BNA_F
ClientSampleId :
POST-EX-DUP2-20170517

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	22.3	16.3	24.5

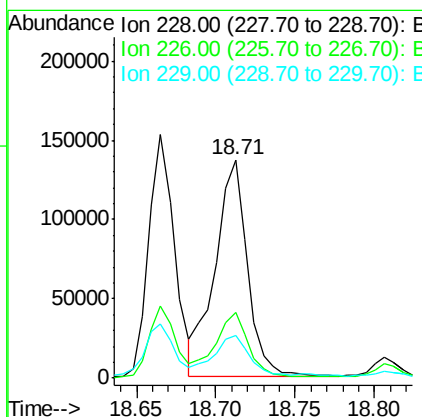
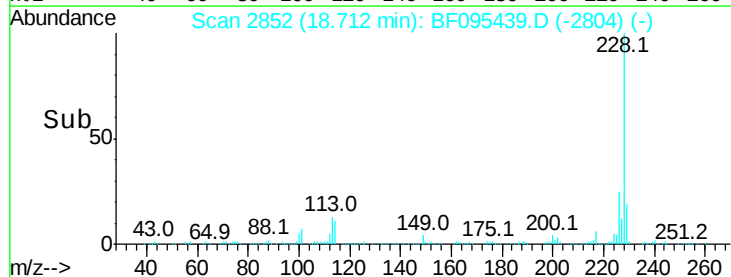
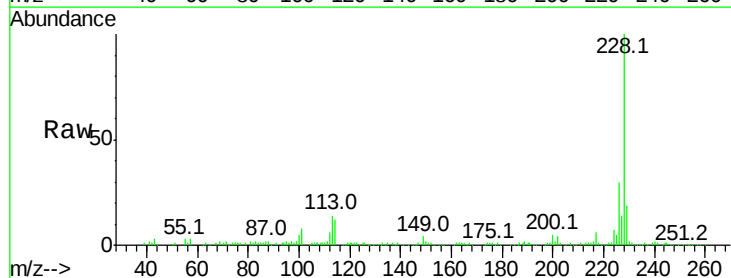
Manual Integrations
APPROVED

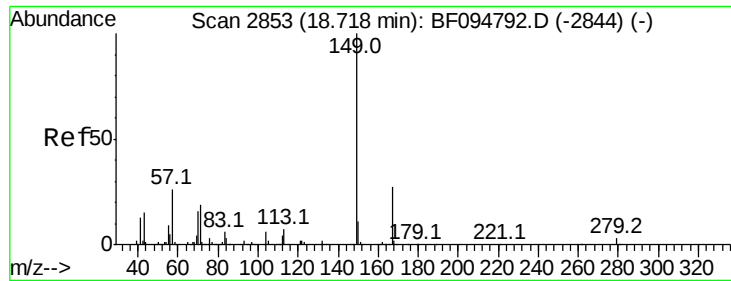
mohammad
5/26/2017 1:26:34 PM



#82
Chrysene
Concen: 17.45 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	19.3	15.8	23.6





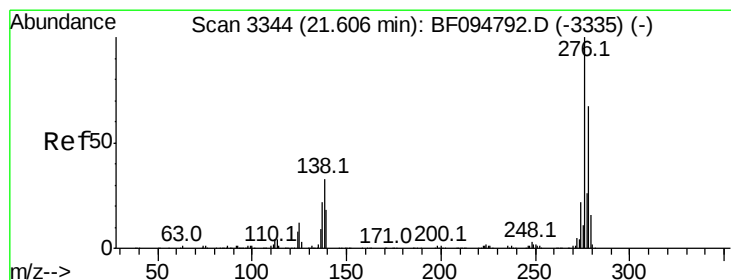
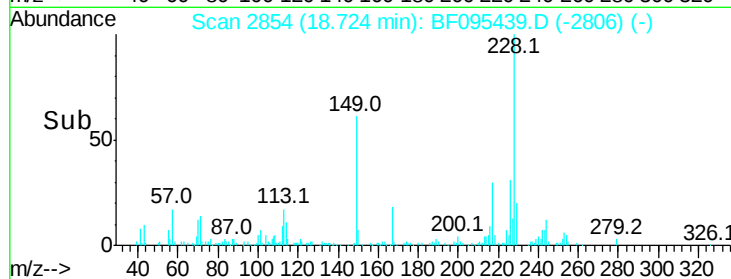
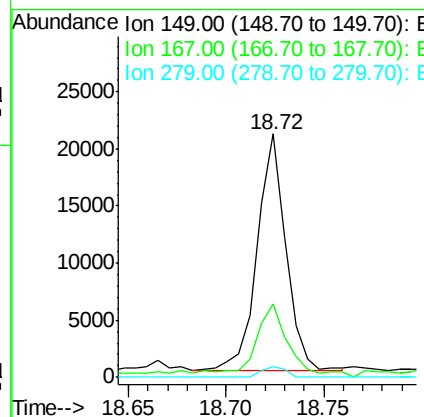
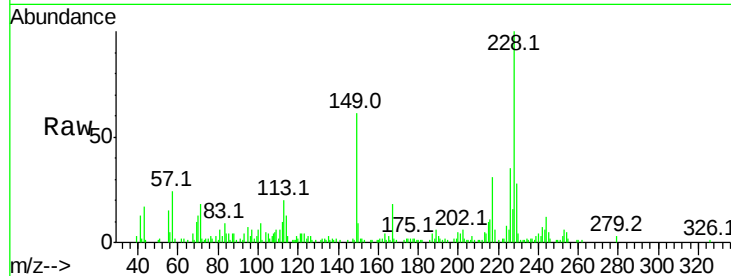
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.12 ng
 RT: 18.72 min Scan# 2854
 Delta R.T. -0.02 min
 Lab File: BF095439.D
 Acq: 25 May 2017 23:36

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-DUP2-20170517

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.4	21.0	31.4
279	4.2	1.9	2.9

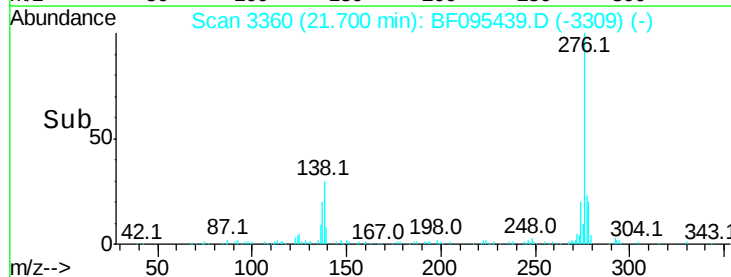
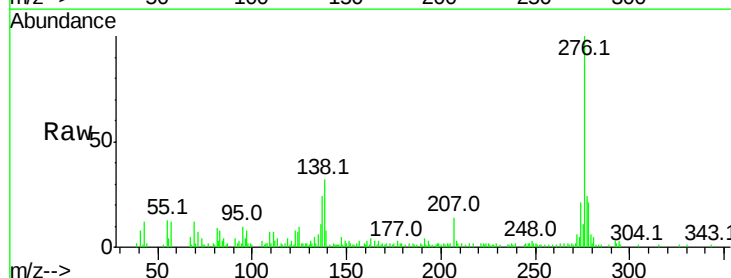
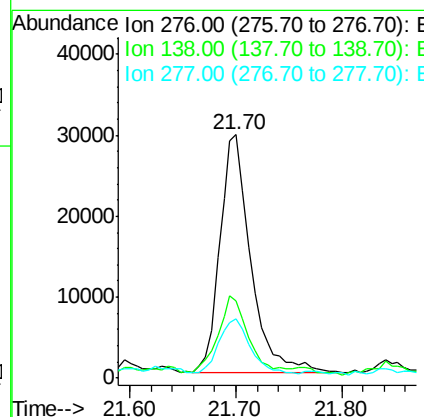
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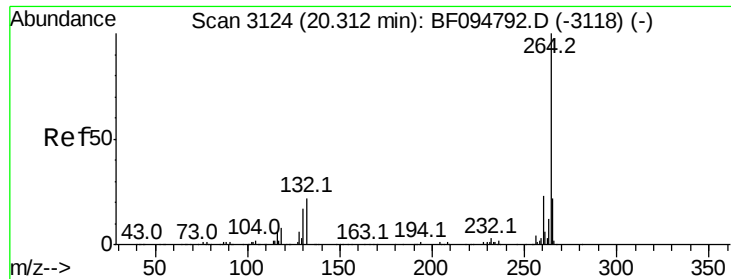
mohammad
 5/26/2017 1:26:34 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.56 ng
 RT: 21.70 min Scan# 3360
 Delta R.T. 0.00 min
 Lab File: BF095439.D
 Acq: 25 May 2017 23:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.6	27.8	41.6
277	23.3	20.2	30.4





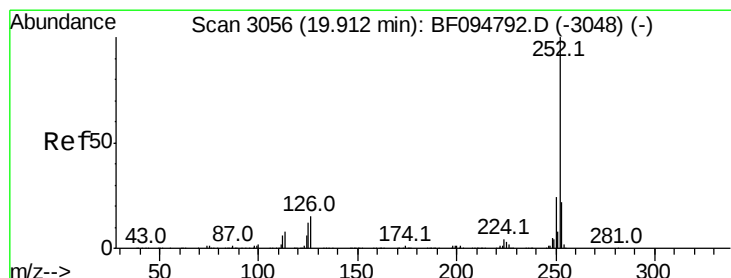
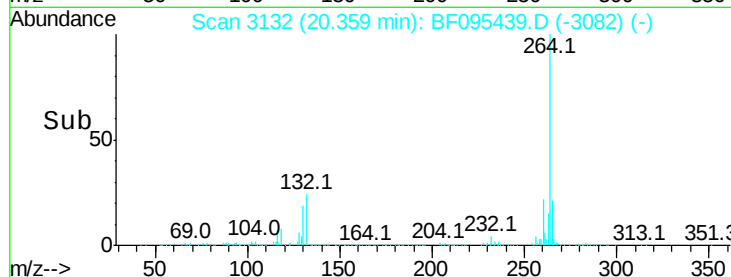
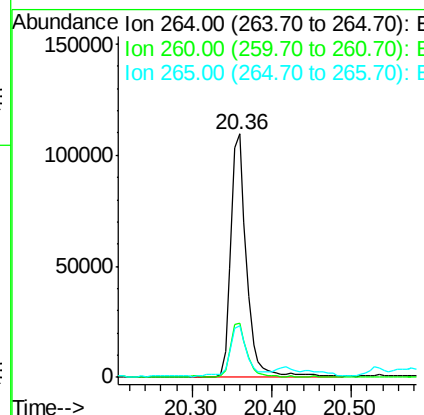
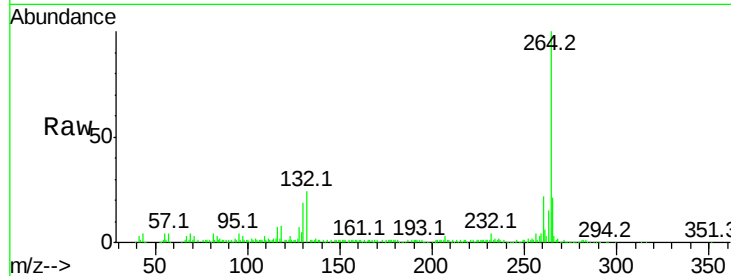
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Instrument :
BNA_F
ClientSampleId :
POST-EX-DUP2-20170517

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.5	29.3
265	21.5	17.2	25.8

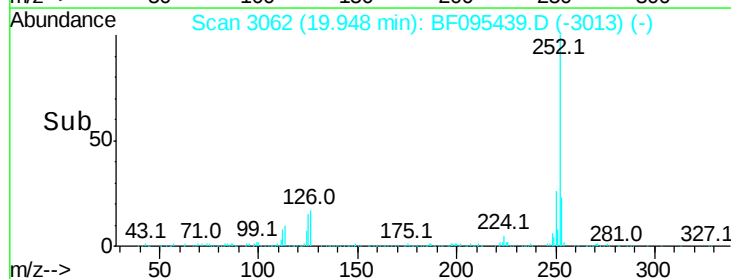
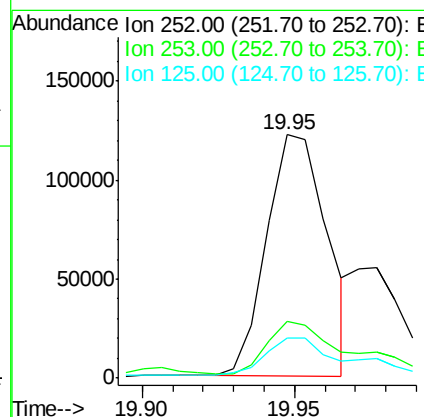
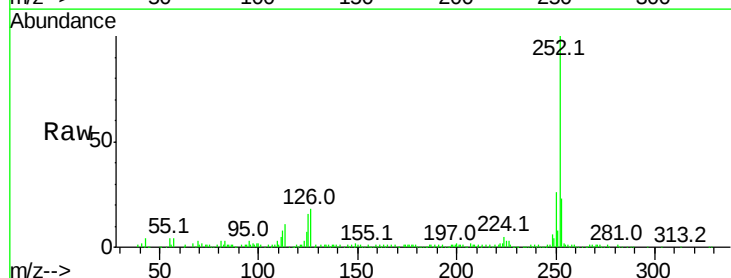
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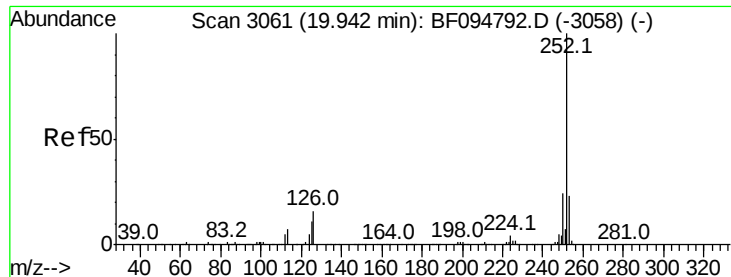
mohammad
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#87
Benzo(b)fluoranthene
Concen: 17.92 ng m
RT: 19.95 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	16.4	9.8	14.8





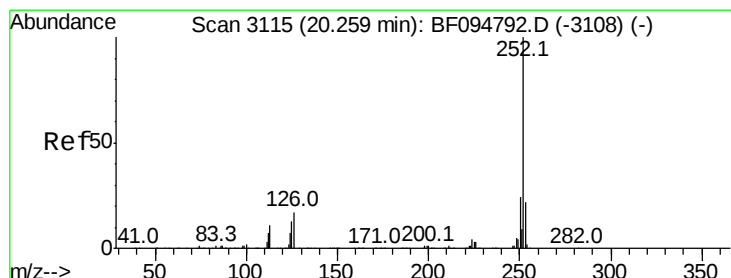
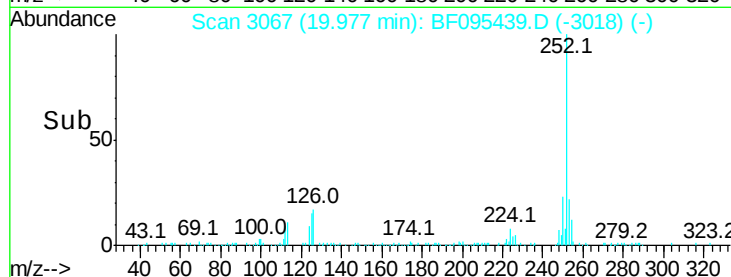
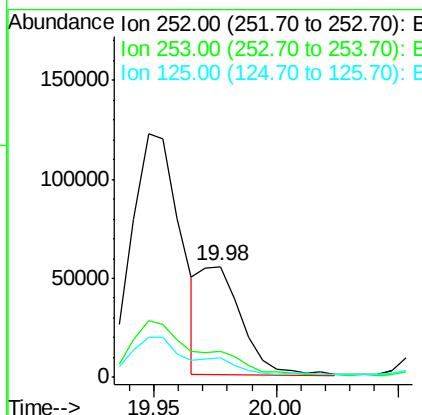
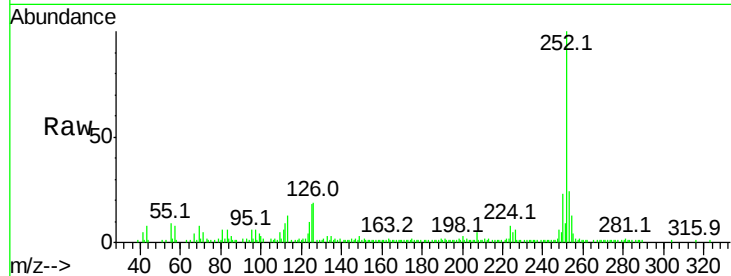
#88
Benzo(k)fluoranthene
Concen: 7.03 ng m
RT: 19.98 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Instrument :
BNA_F
ClientSampleId :
POST-EX-DUP2-20170517

Tot Ion:	252	Resp:	64002
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.4	27.6
125	17.8	13.1	19.7

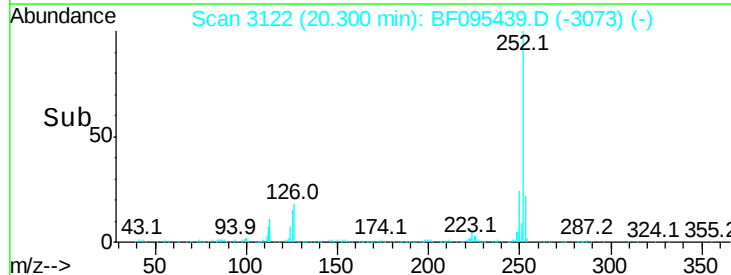
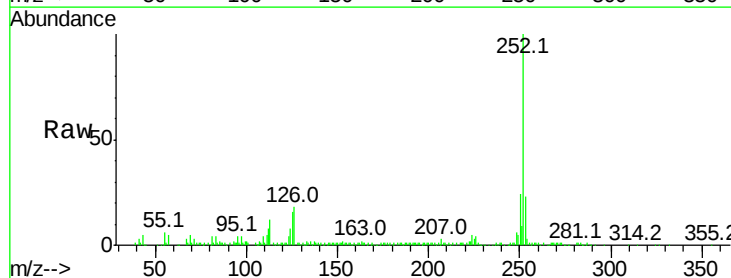
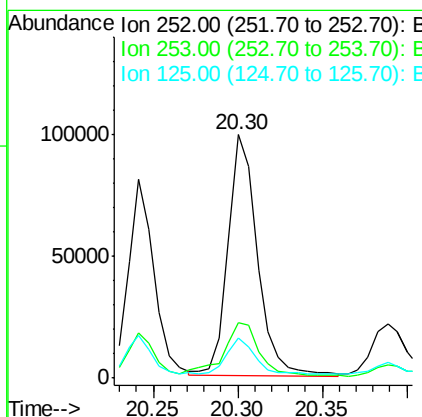
Manual Integrations
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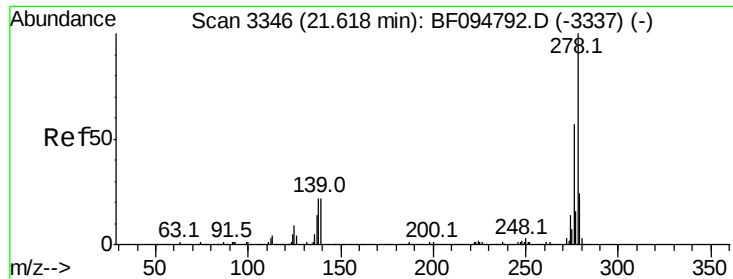
mohammad
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#89
Benzo(a)pyrene
Concen: 13.83 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Tgt Ion:	252	Resp:	120349
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	16.3	11.0	16.4





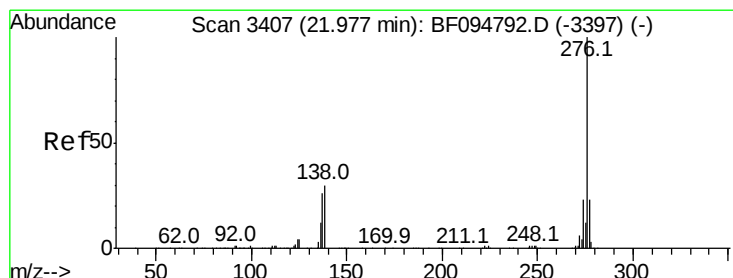
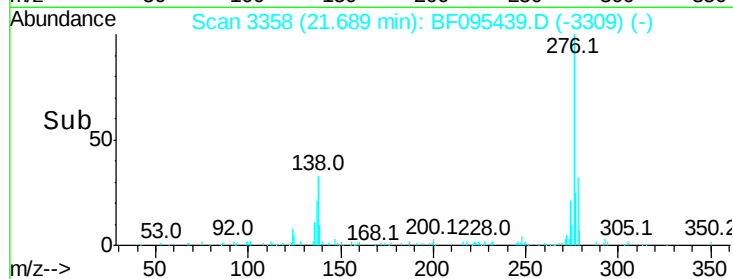
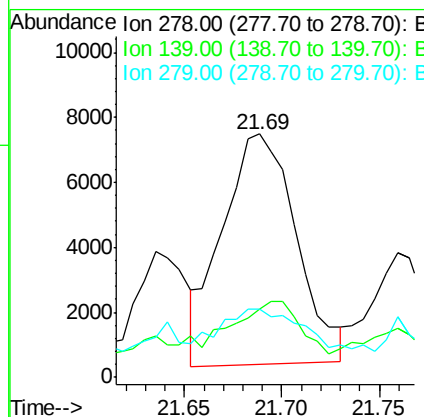
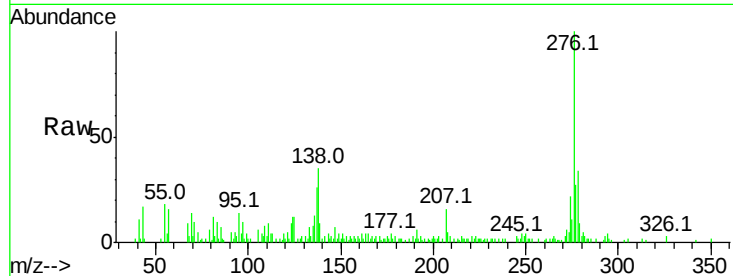
#90
Dibenzo(a,h)anthracene
Concen: 2.60 ng
RT: 21.69 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Instrument :
BNA_F
ClientSampleId :
POST-EX-DUP2-20170517

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.9	16.6	24.8#
279	28.0	19.3	28.9

Manual Integrations
APPROVED

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#91
Benzo(g,h,i)perylene
Concen: 8.78 ng
RT: 22.09 min Scan# 3426
Delta R.T. 0.01 min
Lab File: BF095439.D
Acq: 25 May 2017 23:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	28.4	25.4	38.0

