

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095437.D
 Acq On : 25 May 2017 22:32
 Operator : SJ/MA
 Sample : I3223-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-43-20170517

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Quant Time: May 26 03:46:47 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	96299	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	386119	20.00	ng	-0.02
38) Acenaphthene-d10	12.60	164	165489	20.00	ng	-0.02
63) Phenanthrene-d10	15.00	188	238386	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	185938	20.00	ng	-0.02
86) Perylene-d12	20.36	264	147661	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	649502	112.45	ng	-0.03
7) Phenol-d6	7.29	99	785519	113.34	ng	-0.02
23) Nitrobenzene-d5	8.65	82	450329	73.54	ng	-0.02
41) 2,4,6-Tribromophenol	13.90	330	124513	91.87	ng	-0.02
44) 2-Fluorobiphenyl	11.54	172	909925	79.14	ng	-0.02
78) Terphenyl-d14	17.32	244	527914	62.54	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	12.38	152	51149	2.90	ng	96
49) Dimethylphthalate	12.24	163	140642	10.35	ng	98
70) Phenanthrene	15.04	178	359813	26.27	ng	96
71) Anthracene	15.13	178	78205	5.59	ng	94
72) Carbazole	15.42	167	29367	2.31	ng	98
74) Fluoranthene	16.78	202	519920	37.00	ng	98
77) Pyrene	17.09	202	531200	38.20	ng	97
80) Benzo(a)anthracene	18.66	228	231825	21.42	ng	95
82) Chrysene	18.71	228	252903	24.17	ng	98
83) Bis(2-ethylhexyl)phthalate	18.72	149	79011	8.57	ng	# 97
85) Indeno(1,2,3-cd)pyrene	21.69	276	92721	10.91	ng	95
87) Benzo(b)fluoranthene	19.95	252	248268m	27.21	ng	
88) Benzo(k)fluoranthene	19.97	252	92818m	10.55	ng	
89) Benzo(a)pyrene	20.30	252	176503	20.96	ng	97
90) Dibenzo(a,h)anthracene	21.69	278	21752	3.13	ng	# 87
91) Benzo(g,h,i)perylene	22.08	276	97418	14.28	ng	97

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

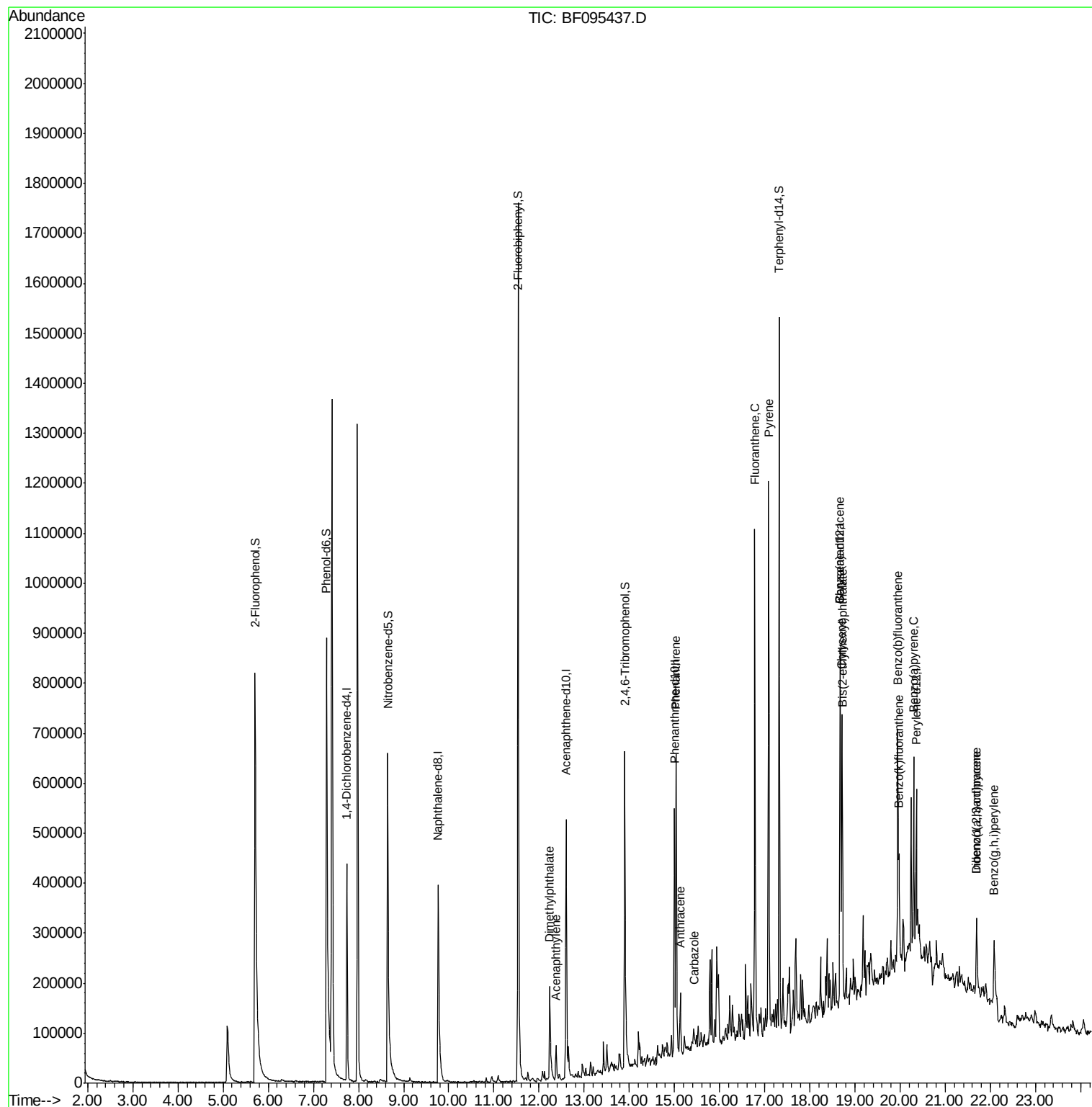
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
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ALS Vial : 15 Sample Multiplier: 1

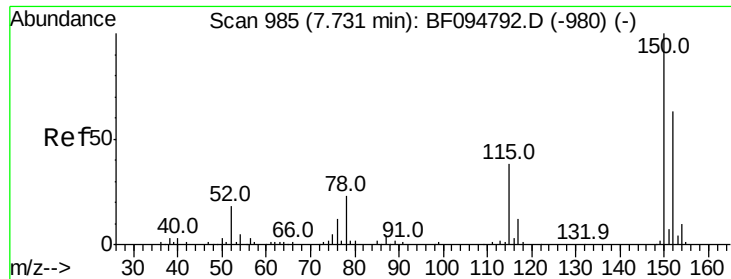
Instrument :
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#1

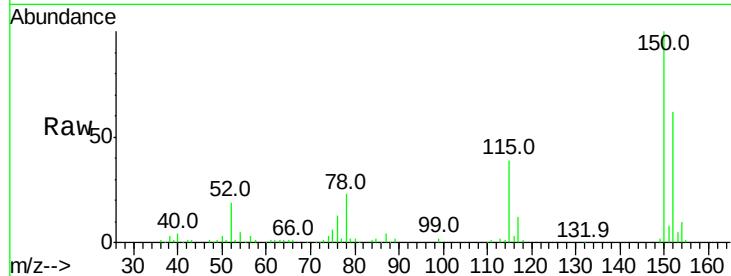
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095437.D
Acq: 25 May 2017 22:32

Instrument :
BNA_F
ClientSampleId :
POSTEX-43-20170517

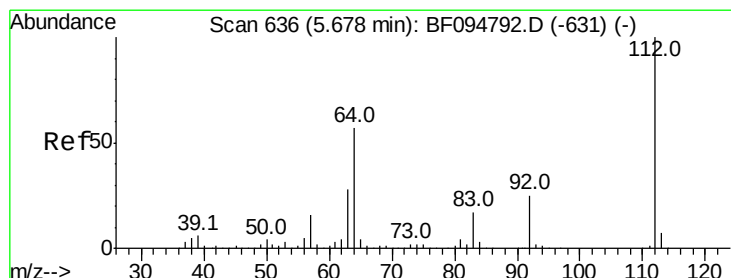
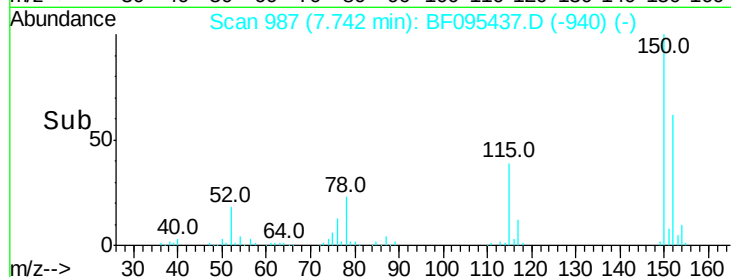
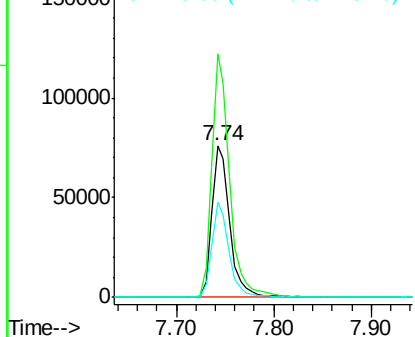
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.2	189.2
115	62.3	52.2	78.2

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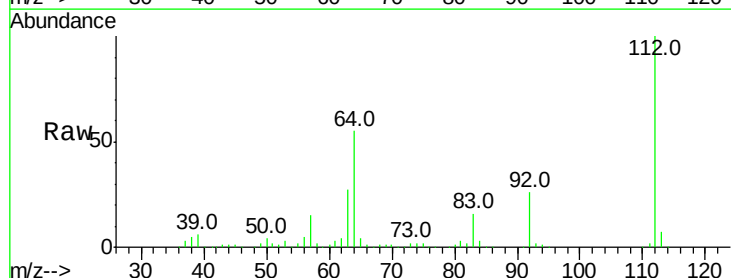
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



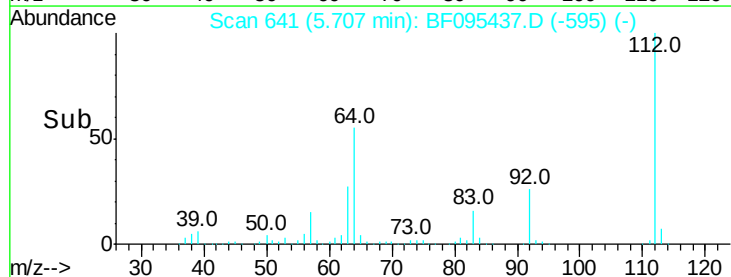
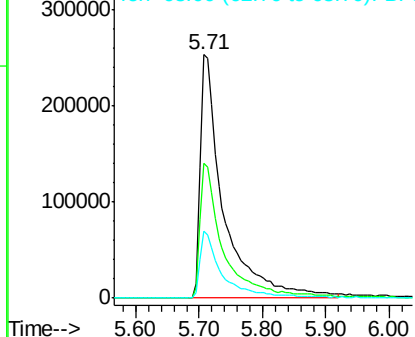
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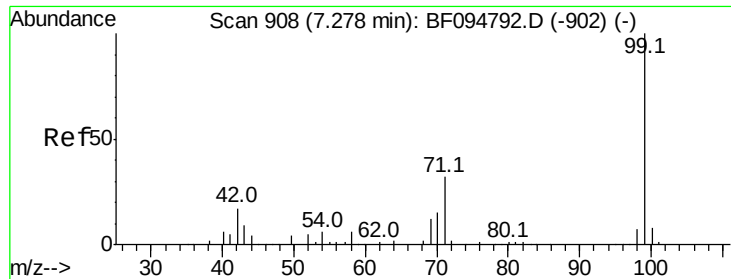
2-Fluorophenol
Concen: 112.45 ng
RT: 5.71 min Scan# 641
Delta R.T. -0.03 min
Lab File: BF095437.D
Acq: 25 May 2017 22:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	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: 113.34 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095437.D

Acq: 25 May 2017 22:32

Instrument :

BNA_F

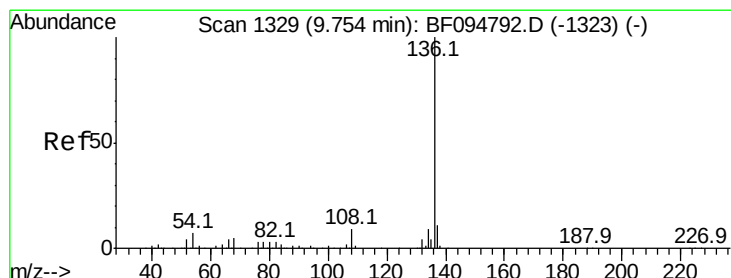
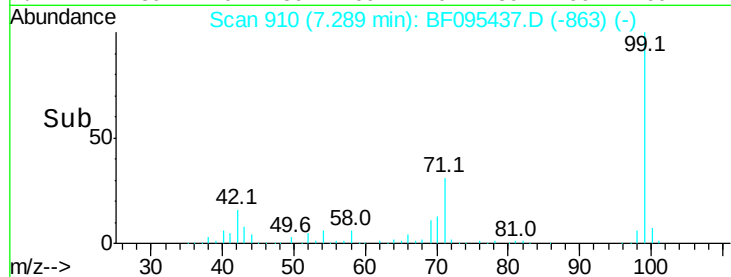
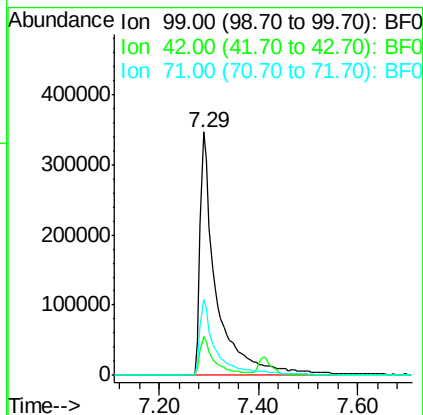
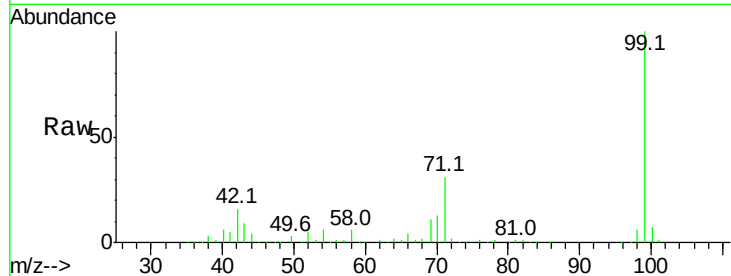
ClientSampleId :

POSTEX-43-20170517

Tot Ion:	99	Resp:	785519
Ion Ratio	Lower	Upper	
99	100		
42	15.9	13.5	20.3
71	31.2	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

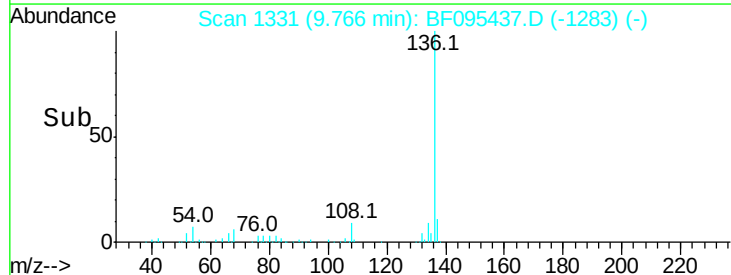
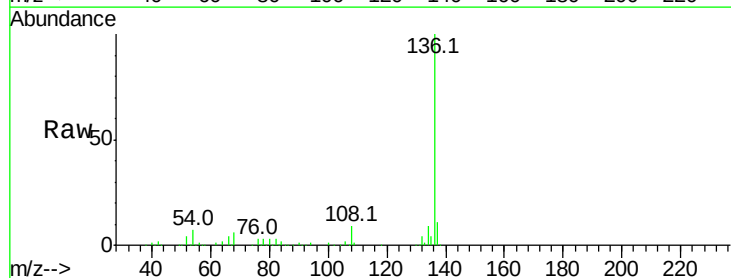
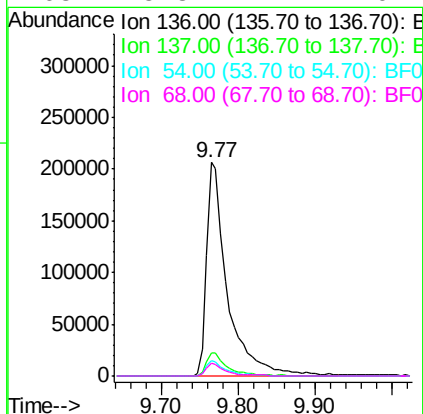
RT: 9.77 min Scan# 1331

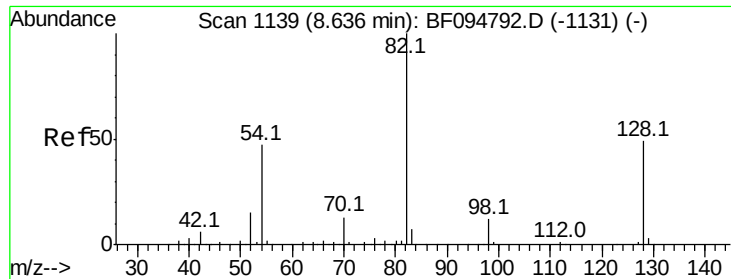
Delta R.T. -0.02 min

Lab File: BF095437.D

Acq: 25 May 2017 22:32

Tgt Ion:	136	Resp:	386119
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	6.9	4.9	7.3
68	5.8	4.1	6.1





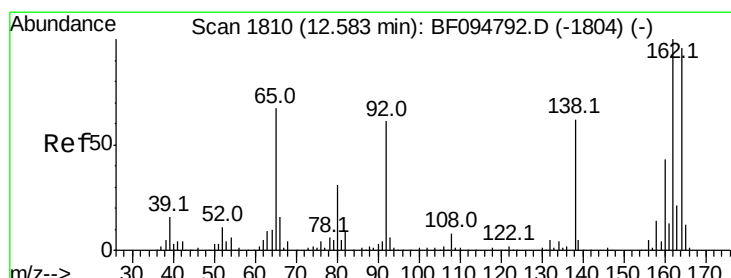
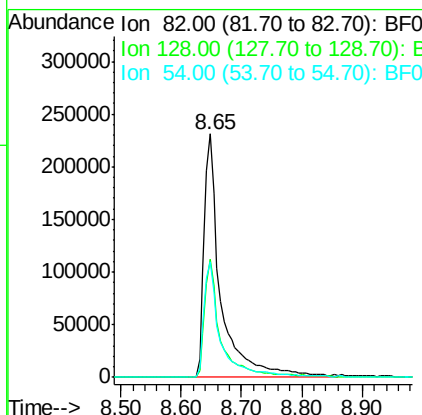
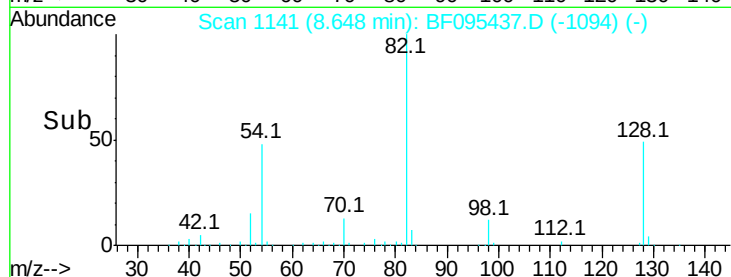
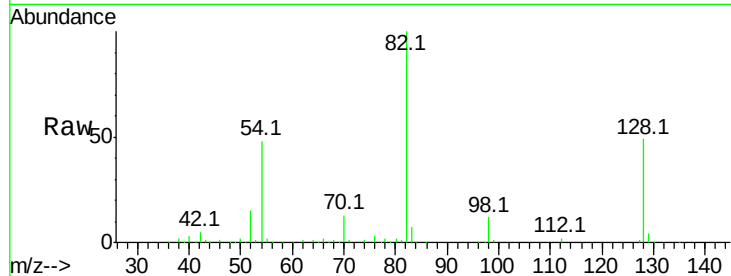
#23
 Nitrobenzene-d5
 Concen: 73.54 ng
 RT: 8.65 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF095437.D
 Acq: 25 May 2017 22:32

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-43-20170517

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.8	34.0	51.0
54	47.6	42.2	63.2

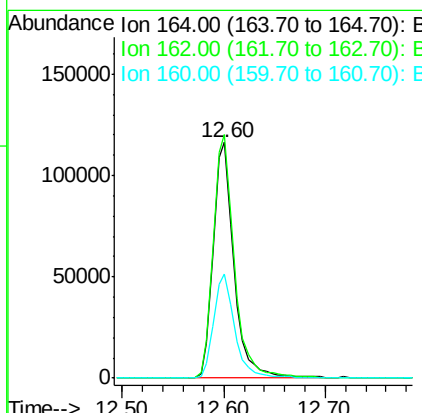
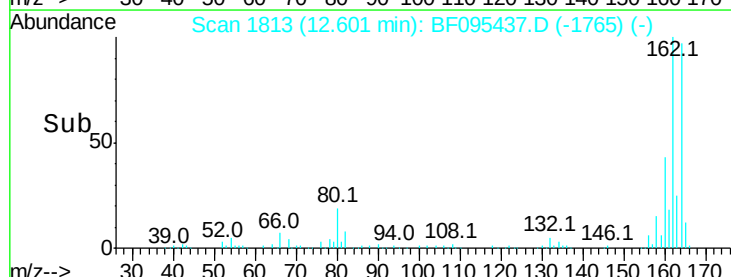
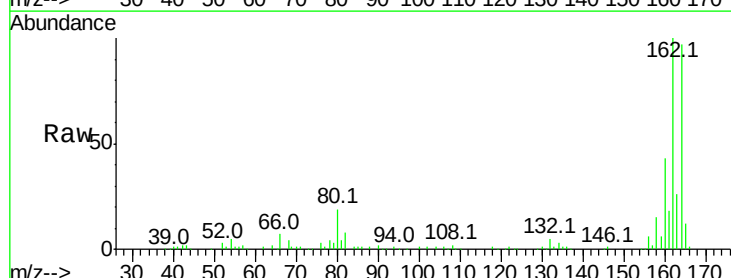
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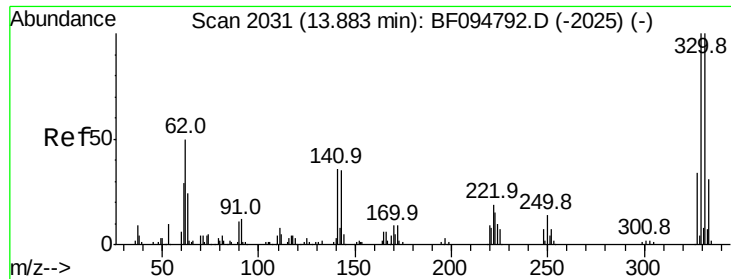
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.60 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF095437.D
 Acq: 25 May 2017 22:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	44.3	36.2	54.2





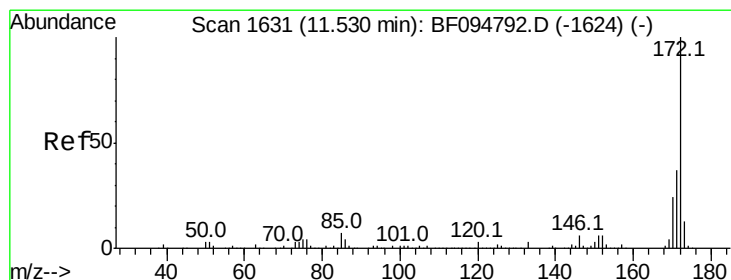
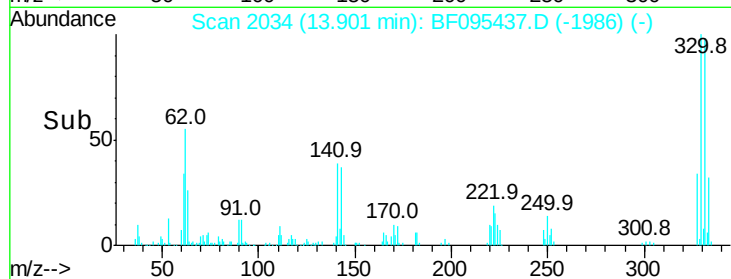
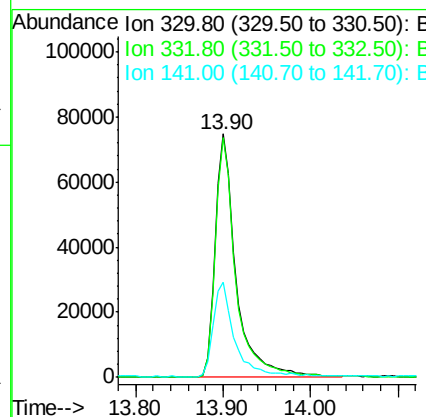
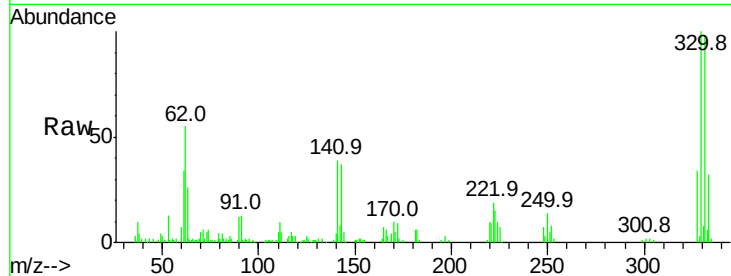
#41
 2,4,6-Tribromophenol
 Concen: 91.87 ng
 RT: 13.90 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF095437.D
 Acq: 25 May 2017 22:32

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-43-20170517

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	76.6	115.0	
141	41.1	31.4	47.2	

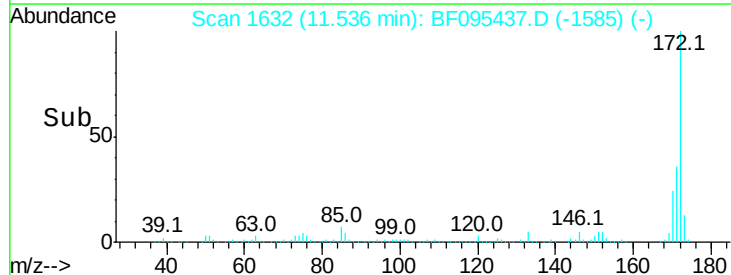
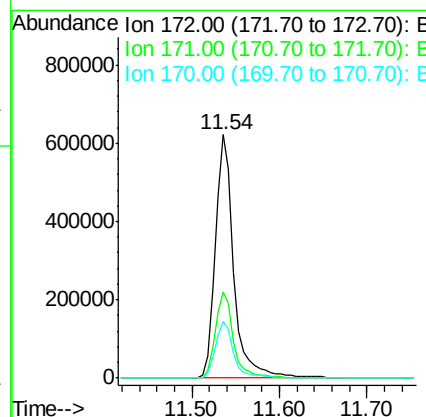
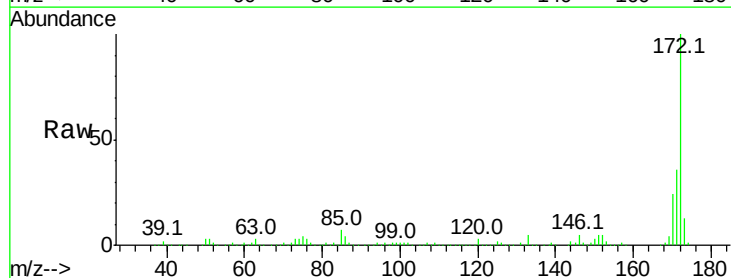
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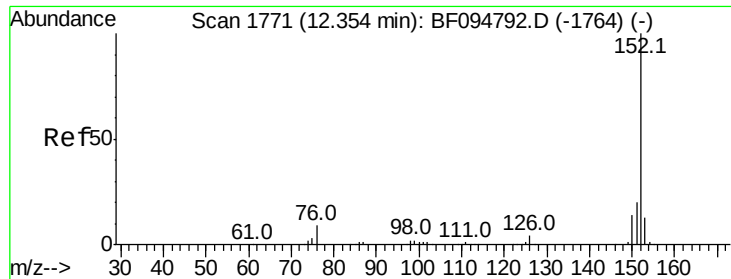
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#44
 2-Fluorobiphenyl
 Concen: 79.14 ng
 RT: 11.54 min Scan# 1632
 Delta R.T. -0.02 min
 Lab File: BF095437.D
 Acq: 25 May 2017 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.5	29.6	44.4	
170	23.5	19.8	29.8	





#48

Acenaphthylene

Concen: 2.90 ng

RT: 12.38 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF095437.D

Acq: 25 May 2017 22:32

Instrument :

BNA_F

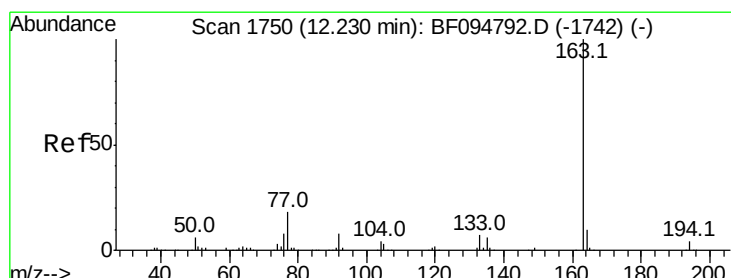
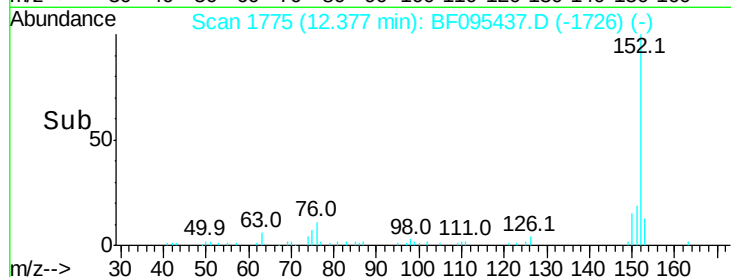
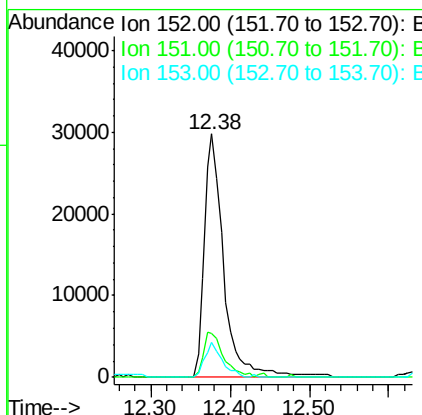
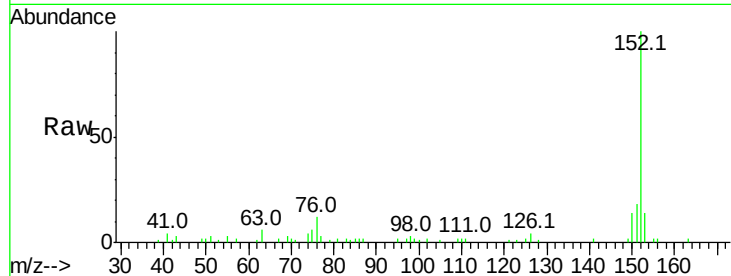
ClientSampleId :

POSTEX-43-20170517

Tot Ion:	152	Resp:	51149
Ion Ratio	Lower	Upper	
152	100		
151	18.3	16.8	25.2
153	14.4	10.8	16.2

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#49

Dimethylphthalate

Concen: 10.35 ng

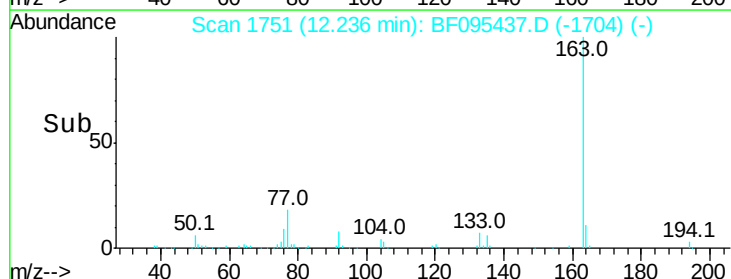
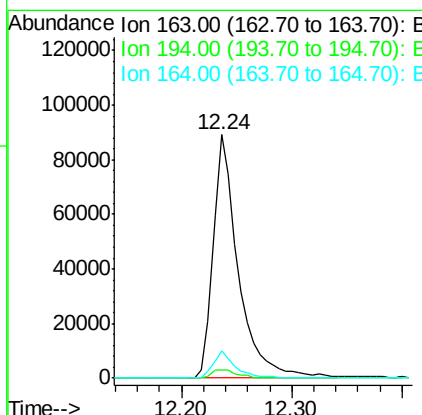
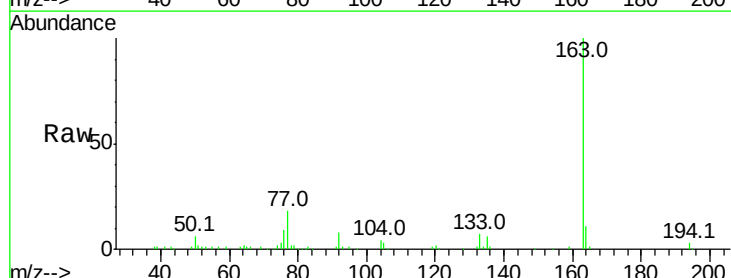
RT: 12.24 min Scan# 1751

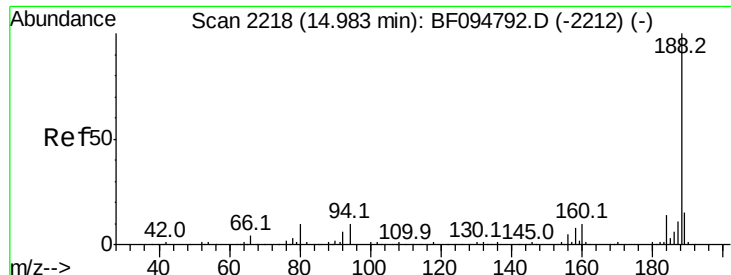
Delta R.T. -0.02 min

Lab File: BF095437.D

Acq: 25 May 2017 22:32

Tgt Ion:	163	Resp:	140642
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.6	4.0
164	11.3	8.4	12.6





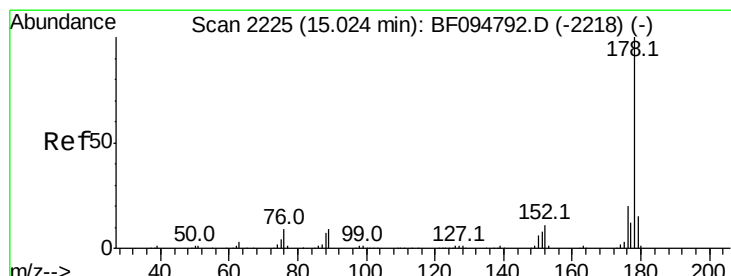
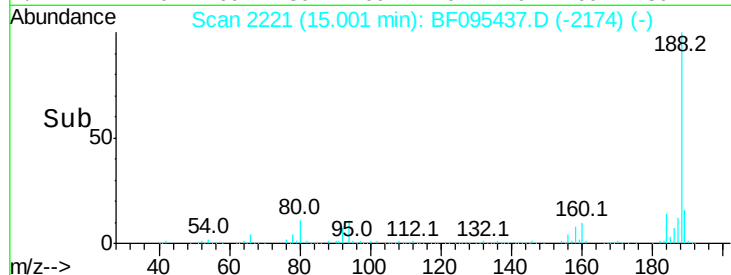
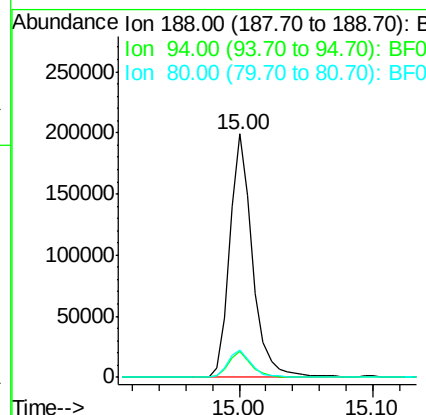
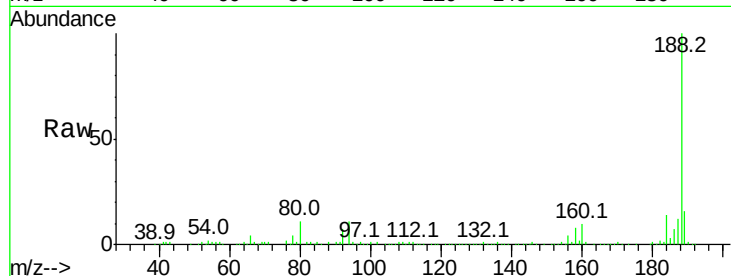
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.02 min
 Lab File: BF095437.D
 Acq: 25 May 2017 22:32

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-43-20170517

Tot Ion	Ratio	Resp	Lower	Upper
188	100	238386		
94	10.9		9.4	14.2
80	11.2		10.2	15.2

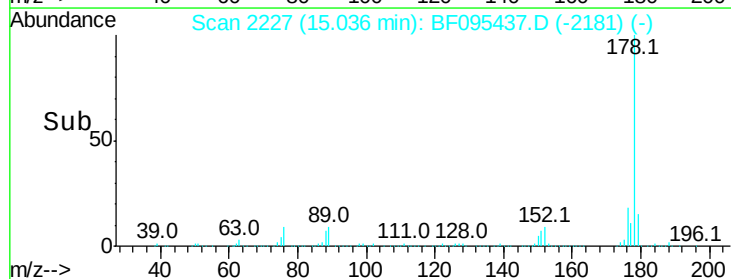
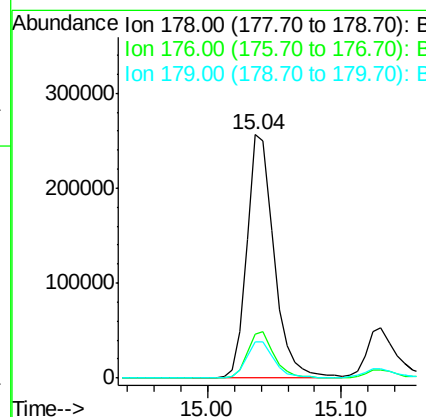
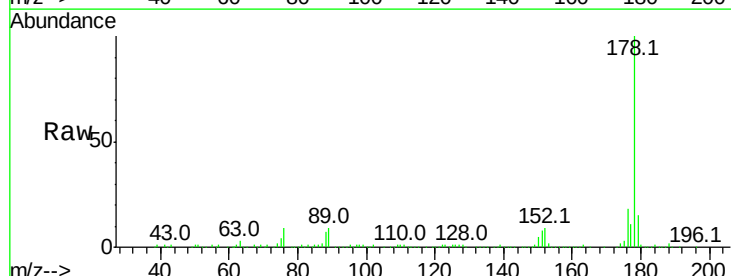
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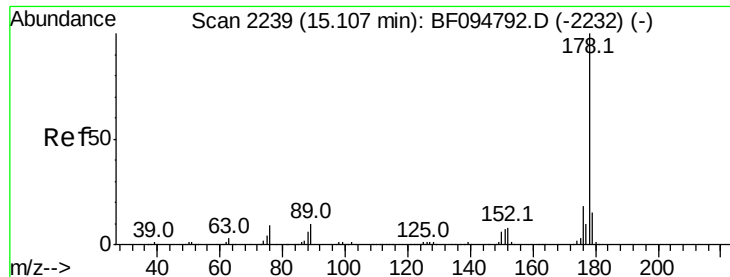
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#70
 Phenanthrene
 Concen: 26.27 ng
 RT: 15.04 min Scan# 2227
 Delta R.T. -0.03 min
 Lab File: BF095437.D
 Acq: 25 May 2017 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	359813		
176	17.9		16.2	24.4
179	14.8		12.6	19.0





#71

Anthracene

Concen: 5.59 ng

RT: 15.13 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BF095437.D

Acq: 25 May 2017 22:32

Instrument :

BNA_F

ClientSampleId :

POSTEX-43-20170517

Tot Ion:178 Resp: 78205

Ion Ratio Lower Upper

178 100

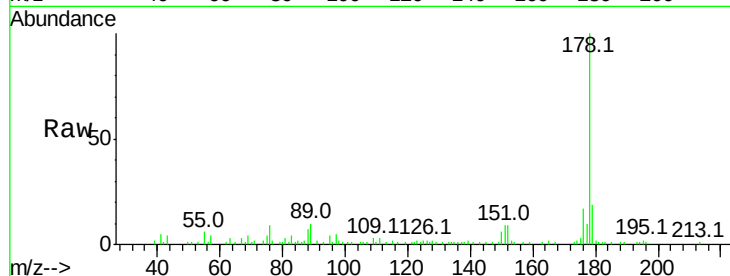
176 17.4 15.8 23.8

179 18.7 12.7 19.1

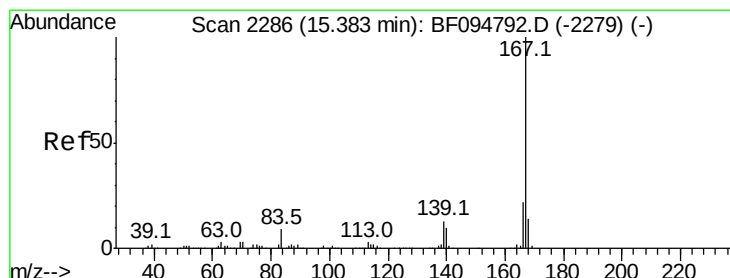
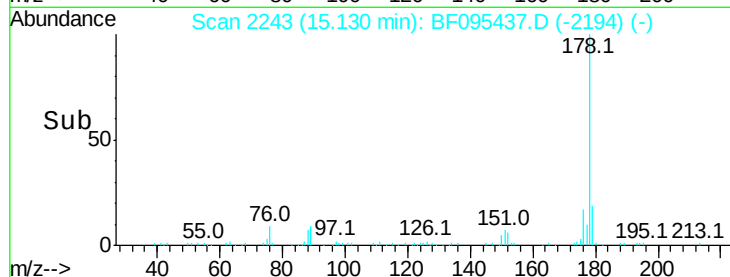
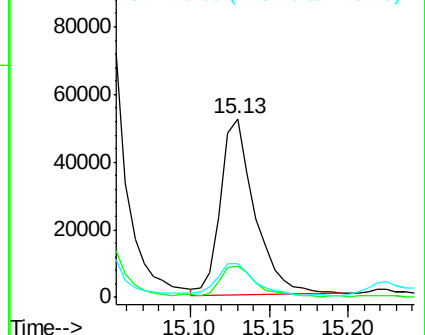
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 2.31 ng

RT: 15.42 min Scan# 2293

Delta R.T. -0.00 min

Lab File: BF095437.D

Acq: 25 May 2017 22:32

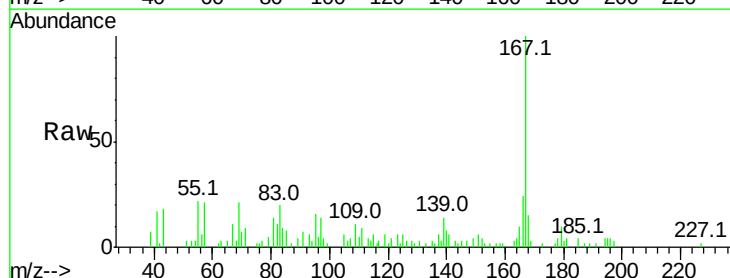
Tgt Ion:167 Resp: 29367

Ion Ratio Lower Upper

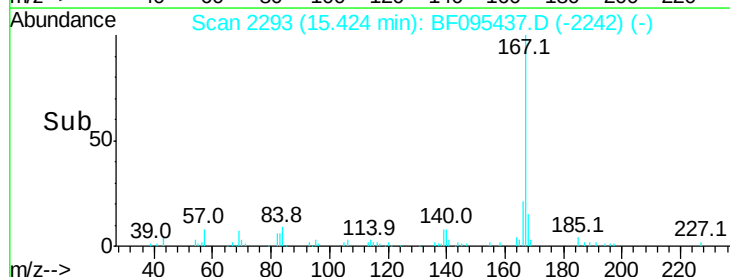
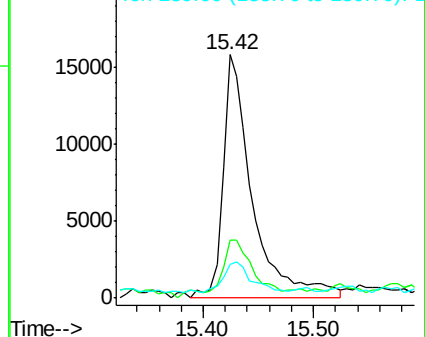
167 100

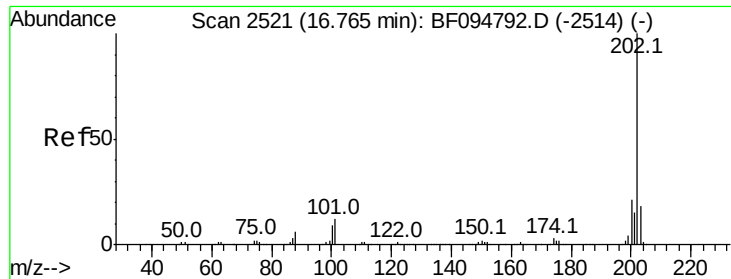
166 23.7 18.1 27.1

139 14.0 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 37.00 ng

RT: 16.78 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095437.D

Acq: 25 May 2017 22:32

Instrument :

BNA_F

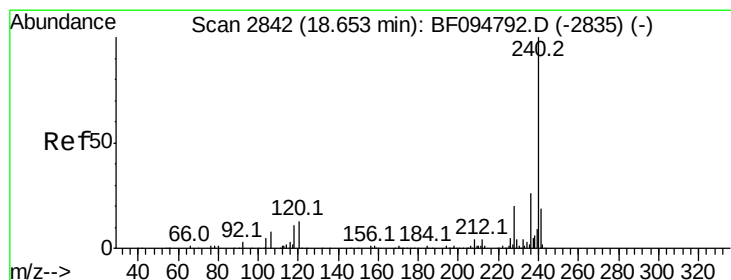
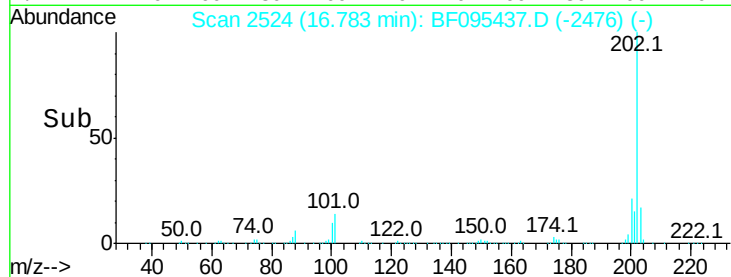
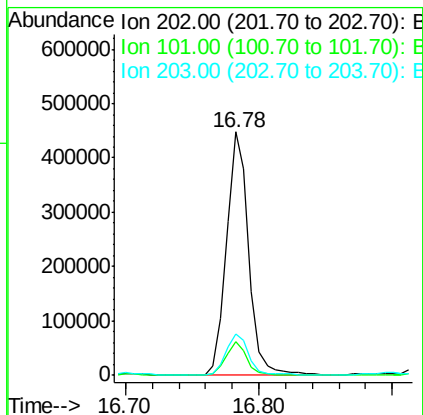
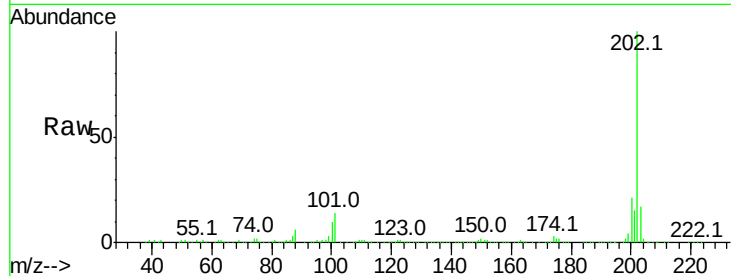
ClientSampleId :

POSTEX-43-20170517

Tot Ion	Ratio	Resp	Lower	Upper
202	100	519920		
101	13.8	0.0	33.2	
203	17.0	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

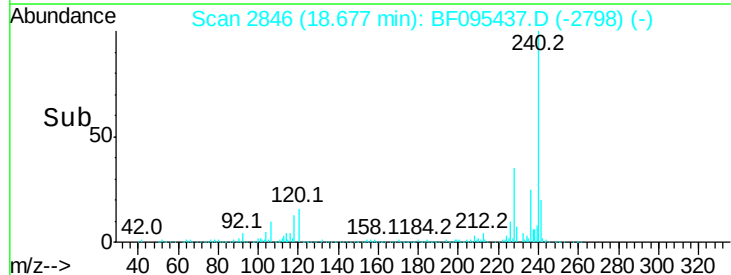
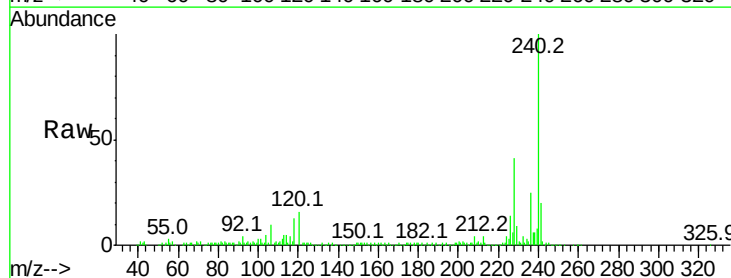
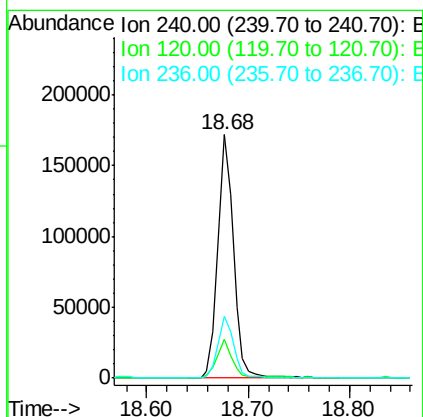
RT: 18.68 min Scan# 2846

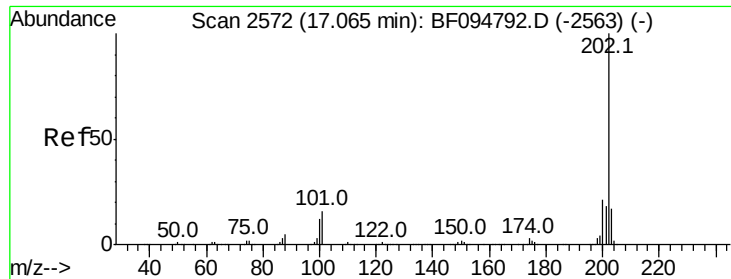
Delta R.T. -0.02 min

Lab File: BF095437.D

Acq: 25 May 2017 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	185938		
120	16.0	5.8	8.8#	
236	25.4	20.5	30.7	





#77

Pvrene

Concen: 38.20 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095437.D

Acq: 25 May 2017 22:32

Instrument :

BNA_F

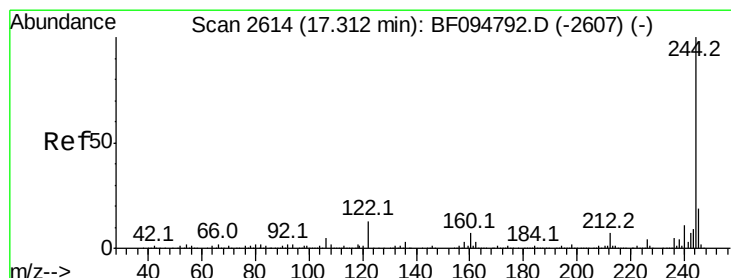
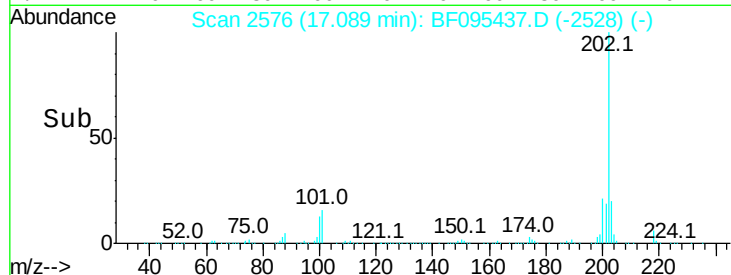
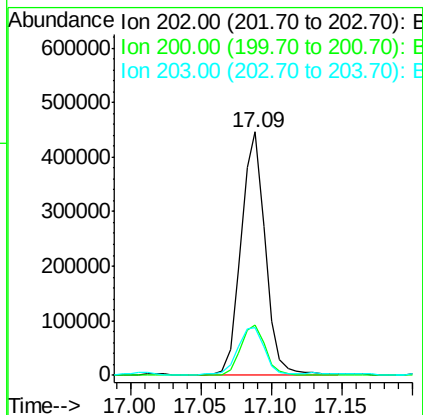
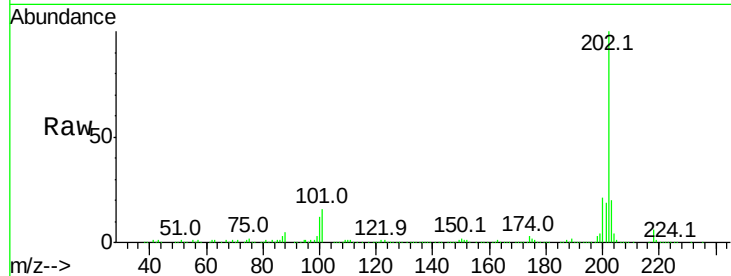
ClientSampleId :

POSTEX-43-20170517

Tot Ion:	202	Resp:	531200
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.6	26.4
203	19.8	14.4	21.6

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#78

Terphenyl-d14

Concen: 62.54 ng

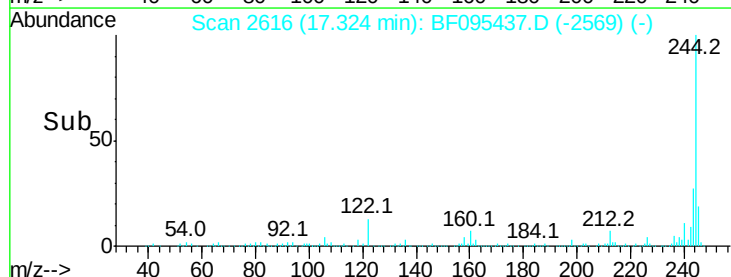
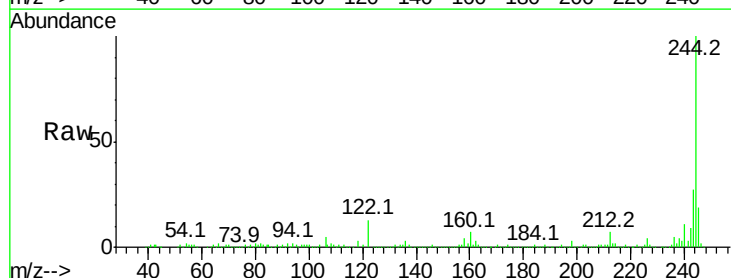
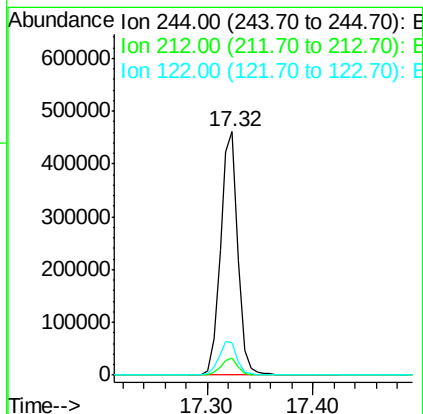
RT: 17.32 min Scan# 2616

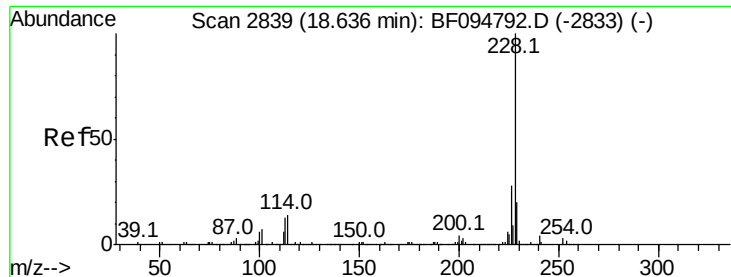
Delta R.T. -0.02 min

Lab File: BF095437.D

Acq: 25 May 2017 22:32

Tgt Ion:	244	Resp:	527914
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.0	9.0
122	13.1	10.3	15.5





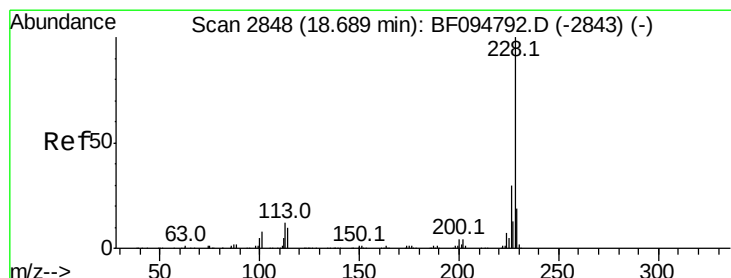
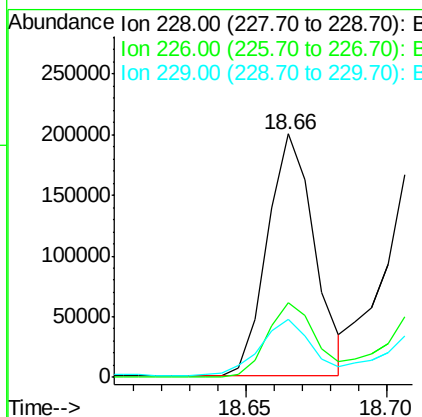
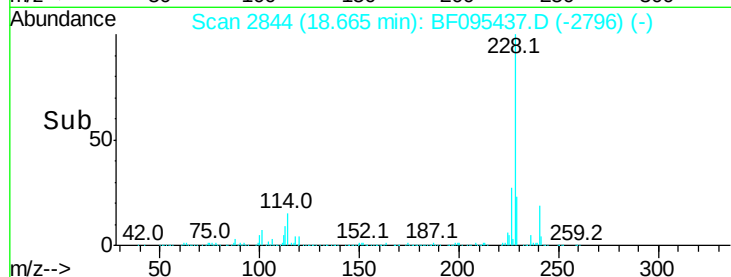
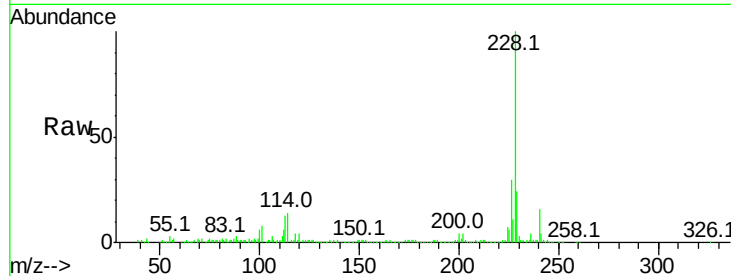
#80
Benzo(a)anthracene
Concen: 21.42 ng
RT: 18.66 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095437.D
Acq: 25 May 2017 22:32

Instrument :
BNA_F
ClientSampleId :
POSTEX-43-20170517

Tot Ion:	228	Resp:	231825
Ion Ratio	Lower	Upper	
228	100		
226	30.4	22.6	33.8
229	23.7	16.3	24.5

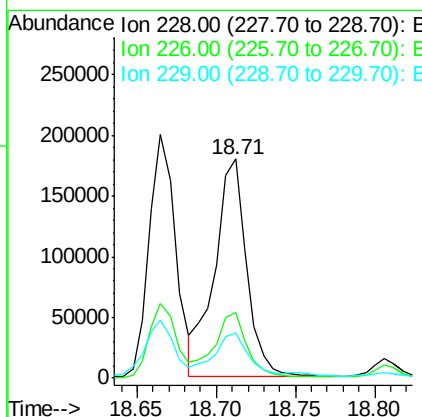
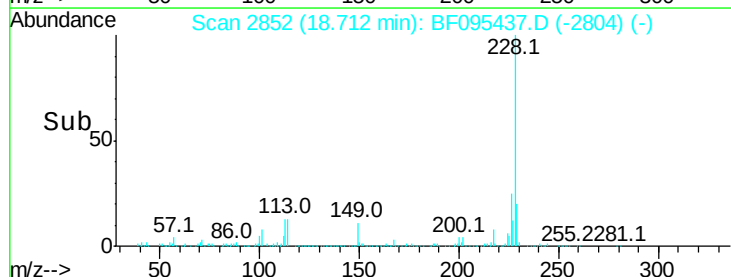
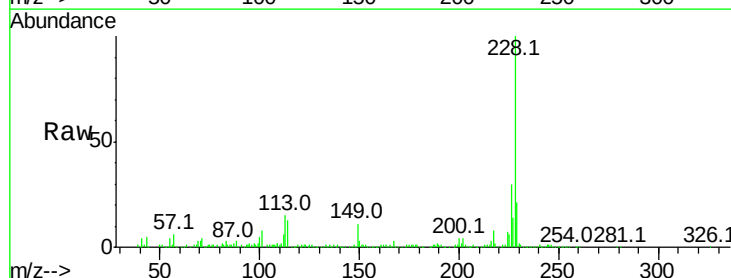
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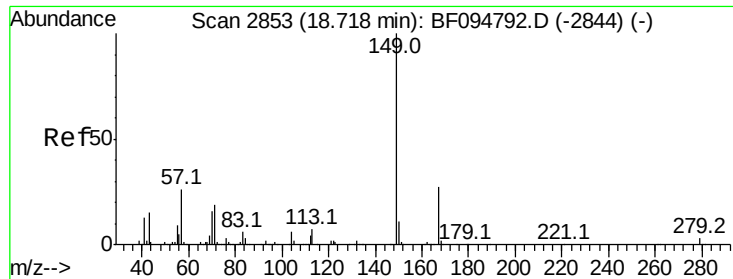
mohammad
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#82
Chrysene
Concen: 24.17 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095437.D
Acq: 25 May 2017 22:32

Tgt Ion:	228	Resp:	252903
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.9	37.3
229	20.7	15.8	23.6





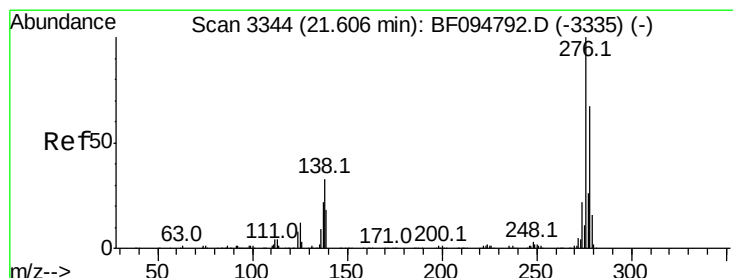
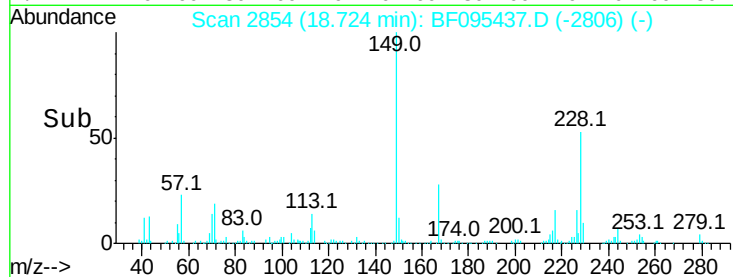
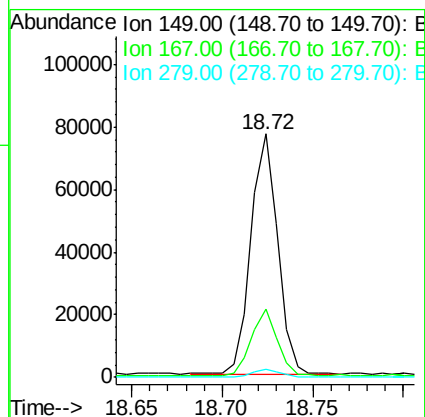
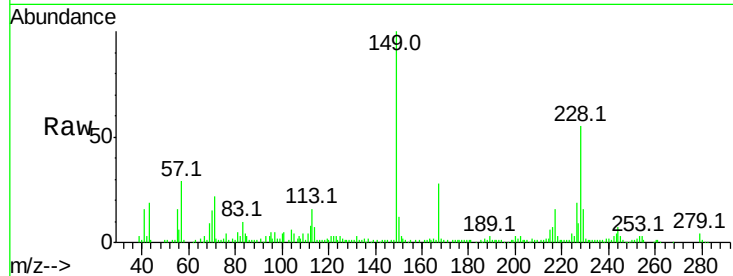
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.57 ng
 RT: 18.72 min Scan# 2854
 Delta R.T. -0.02 min
 Lab File: BF095437.D
 Acq: 25 May 2017 22:32

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-43-20170517

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.0	31.4
279	3.6	1.9	2.9

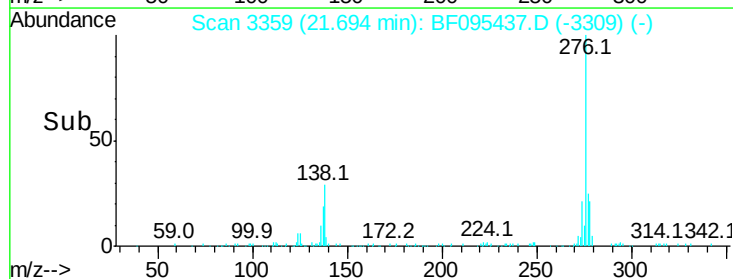
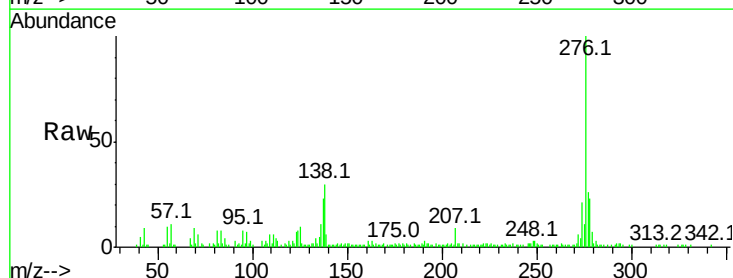
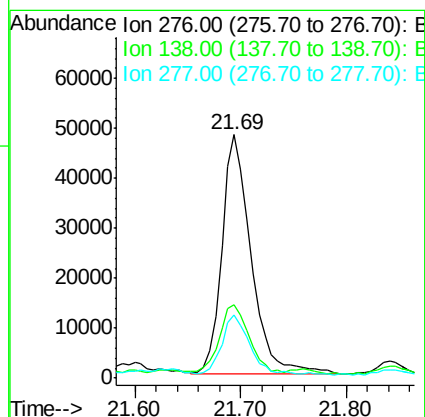
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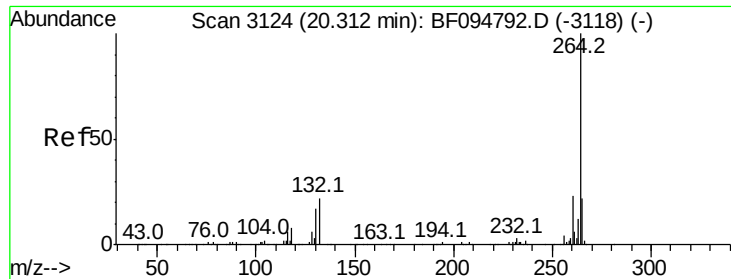
mohammad
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.91 ng
 RT: 21.69 min Scan# 3359
 Delta R.T. -0.01 min
 Lab File: BF095437.D
 Acq: 25 May 2017 22:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.5	27.8	41.6
277	25.2	20.2	30.4





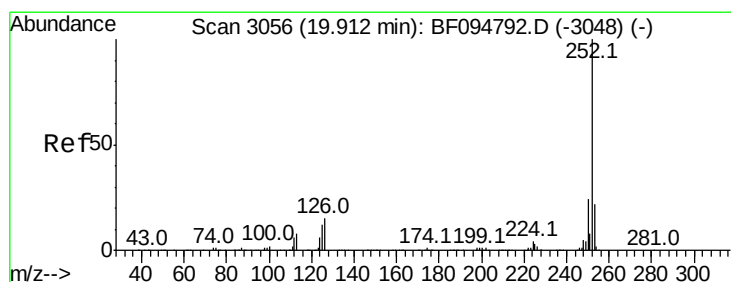
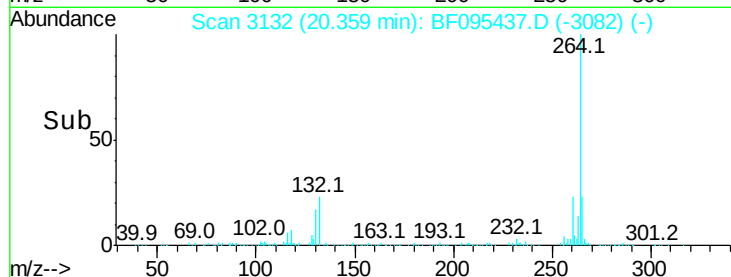
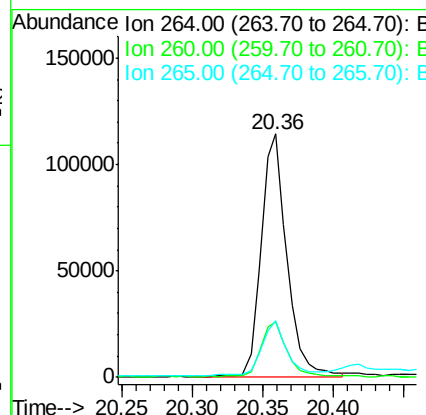
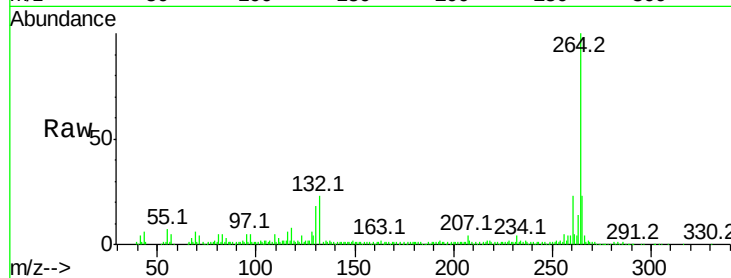
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095437.D
Acq: 25 May 2017 22:32

Instrument :
BNA_F
ClientSampleId :
POSTEX-43-20170517

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	23.5	17.2	25.8

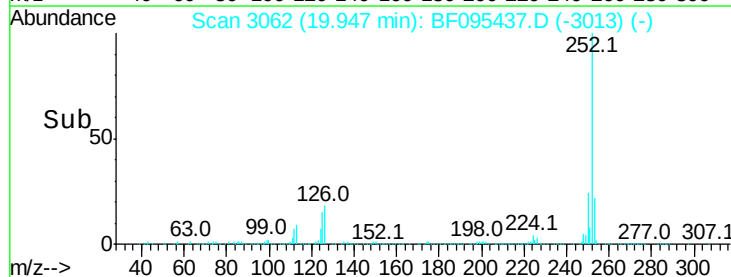
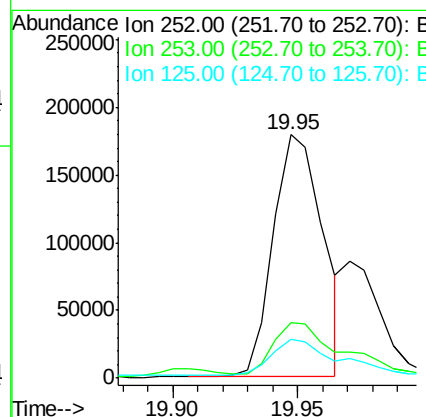
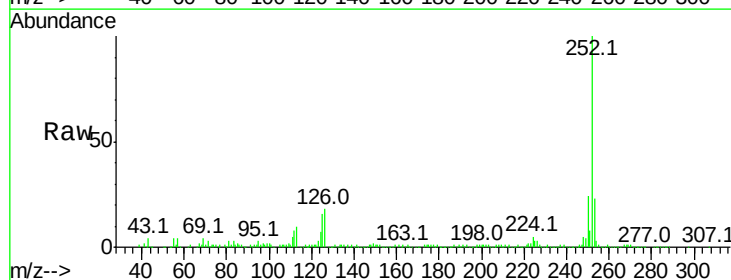
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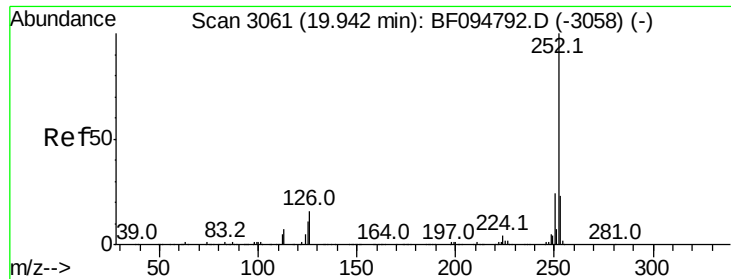
mohammad
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#87
Benzo(b)fluoranthene
Concen: 27.21 ng m
RT: 19.95 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BF095437.D
Acq: 25 May 2017 22:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	15.7	9.8	14.8#





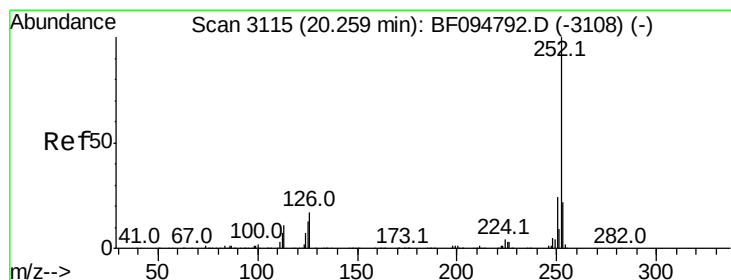
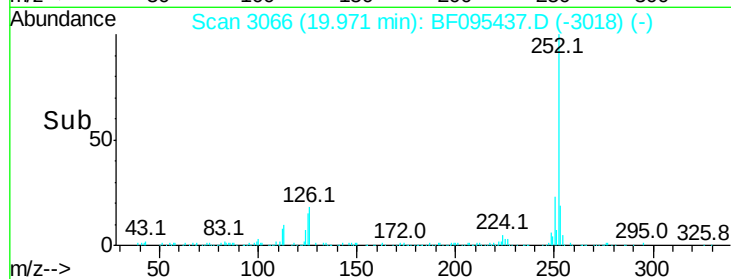
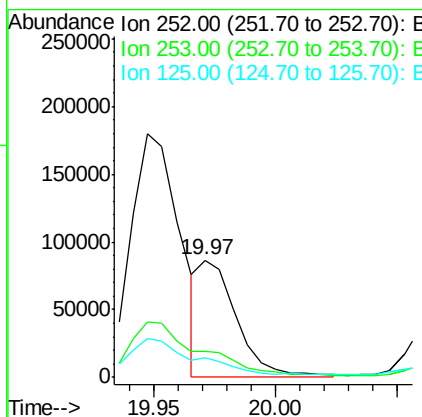
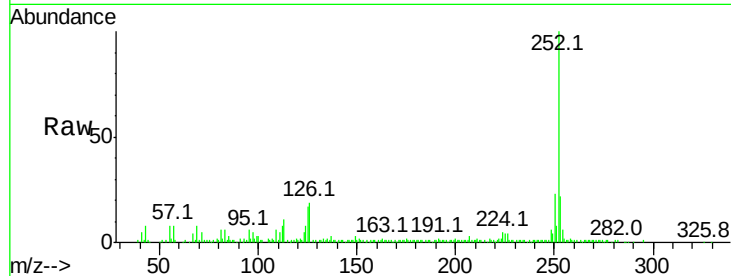
#88
Benzo(k)fluoranthene
Concen: 10.55 ng m
RT: 19.97 min Scan# 3066
Delta R.T. -0.02 min
Lab File: BF095437.D
Acq: 25 May 2017 22:32

Instrument :
BNA_F
ClientSampleId :
POSTEX-43-20170517

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.4	27.6
125	16.8	13.1	19.7

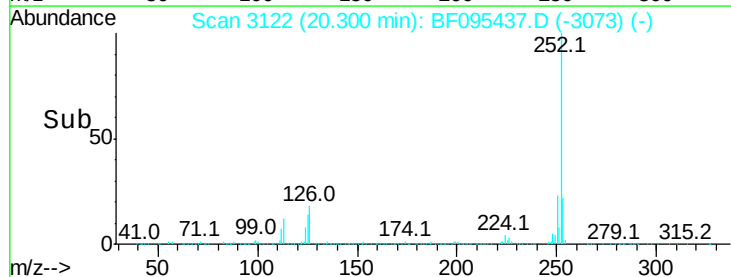
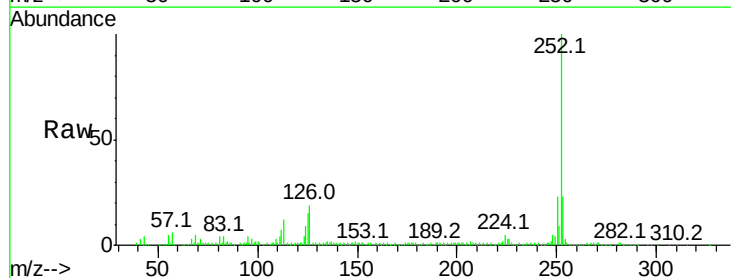
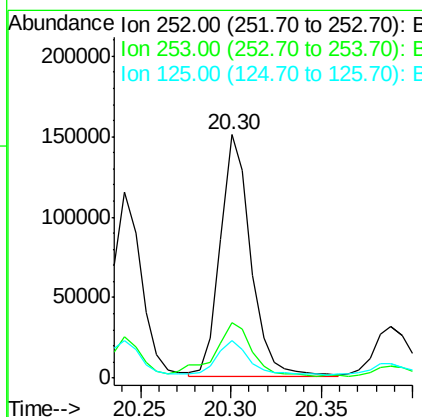
Manual Integrations
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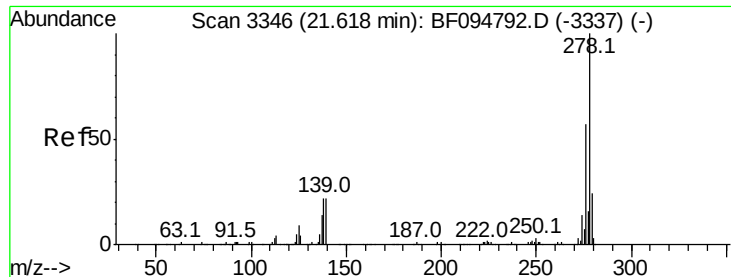
mohammad
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#89
Benzo(a)pyrene
Concen: 20.96 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095437.D
Acq: 25 May 2017 22:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	15.4	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 3.13 ng

RT: 21.69 min Scan# 3359

Delta R.T. -0.01 min

Lab File: BF095437.D

Acq: 25 May 2017 22:32

Instrument :

BNA_F

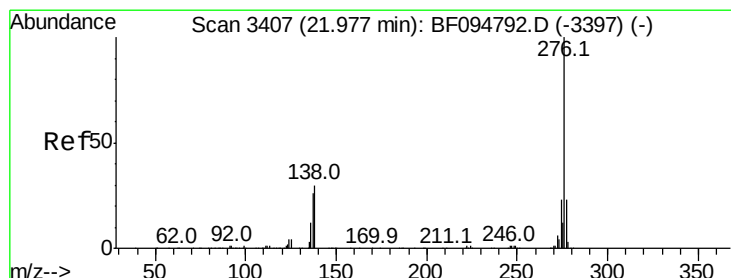
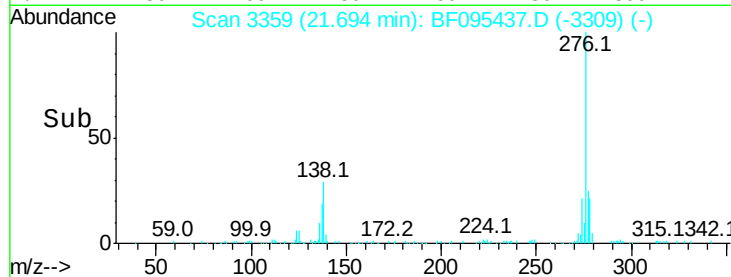
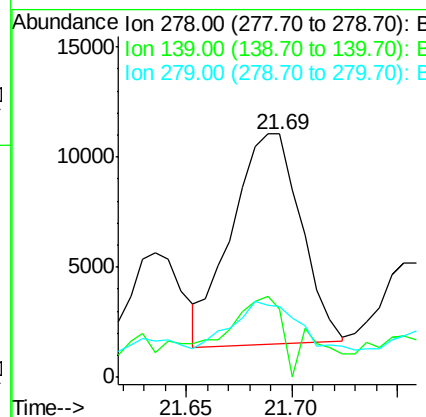
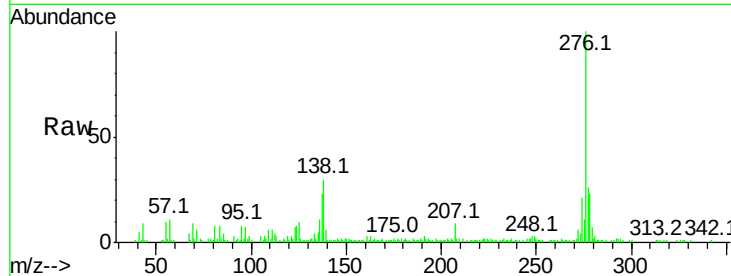
ClientSampleId :

POSTEX-43-20170517

Tot Ion:	278	Resp:	21752
Ion	Ratio	Lower	Upper
278	100		
139	28.2	16.6	24.8#
279	28.8	19.3	28.9

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 14.28 ng

RT: 22.08 min Scan# 3425

Delta R.T. -0.00 min

Lab File: BF095437.D

Acq: 25 May 2017 22:32

Tgt Ion:	276	Resp:	97418
Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.6	28.0
138	31.3	25.4	38.0

