

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
 Data File : BF095807.D
 Acq On : 9 Jun 2017 3:59
 Operator : SJ/MA
 Sample : I3470-02 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-44-20170602

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Quant Time: Jun 09 05:12:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	73520	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	292419	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	122085	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	190897	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	139166	20.00	ng	-0.02
86) Perylene-d12	20.00	264	109898	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	92524	20.05	ng	-0.01
7) Phenol-d6	6.94	99	118441	21.44	ng	-0.02
23) Nitrobenzene-d5	8.29	82	62486	13.27	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	18753	17.36	ng	-0.03
44) 2-Fluorobiphenyl	11.17	172	132998	15.16	ng	-0.04
78) Terphenyl-d14	16.99	244	82591	14.73	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	11.99	152	37978	2.82	ng	98
70) Phenanthrene	14.65	178	381310	34.62	ng	98
71) Anthracene	14.74	178	63569	5.53	ng	97
72) Carbazole	15.04	167	29016	2.59	ng	# 96
74) Fluoranthene	16.43	202	483947	44.39	ng	98
77) Pyrene	16.74	202	442569	42.62	ng	99
80) Benzo(a)anthracene	18.32	228	191016	23.61	ng	97
82) Chrysene	18.36	228	199322	24.65	ng	100
85) Indeno(1,2,3-cd)pyrene	21.17	276	68596	9.91	ng	93
87) Benzo(b)fluoranthene	19.60	252	184822m	26.86	ng	
88) Benzo(k)fluoranthene	19.62	252	54188m	8.24	ng	
89) Benzo(a)pyrene	19.94	252	119395	18.88	ng	97
90) Dibenzo(a,h)anthracene	21.17	278	18251	3.40	ng	# 79
91) Benzo(g,h,i)perylene	21.51	276	65716	12.01	ng	95

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

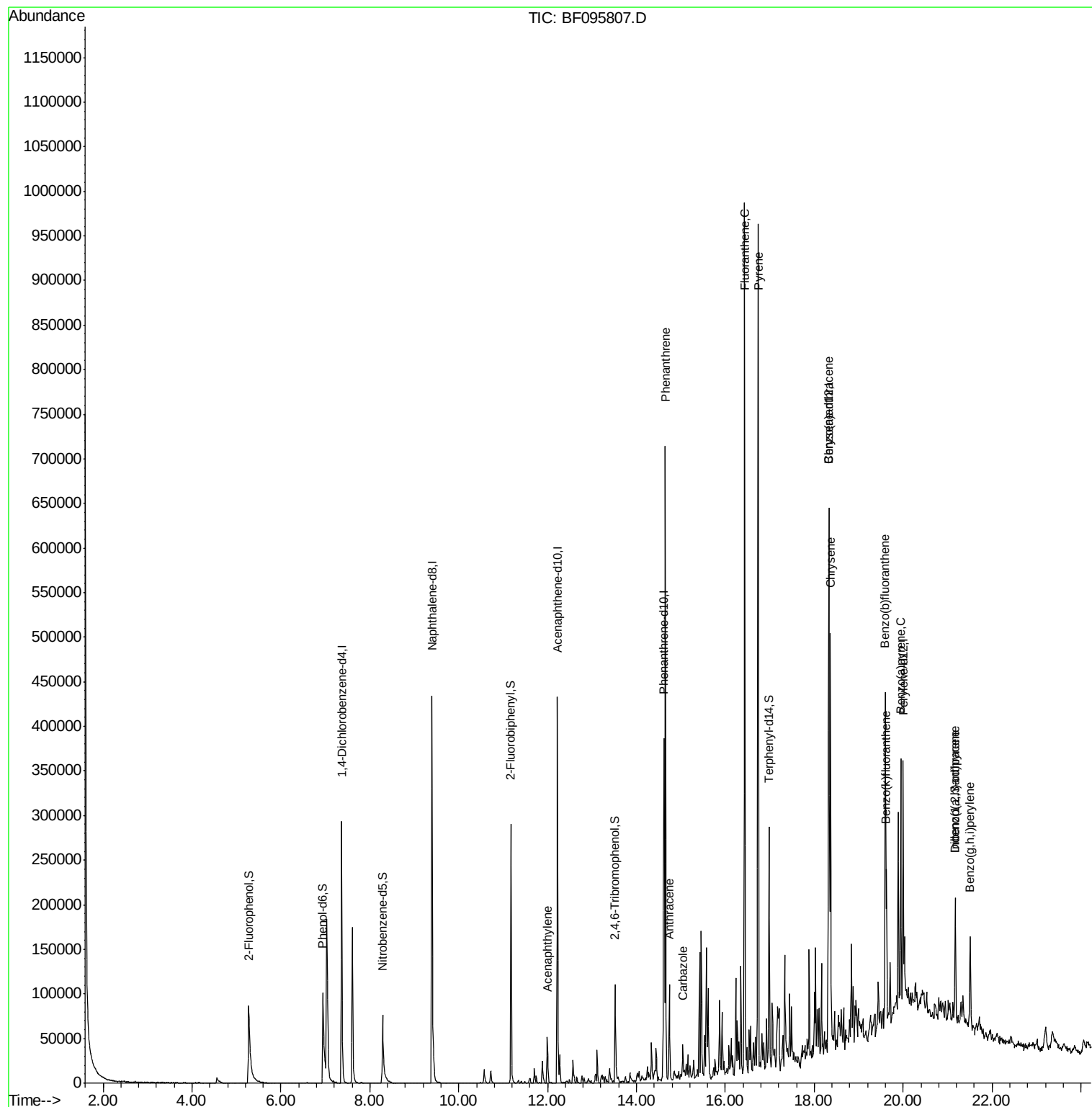
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
Data File : BF095807.D
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Sample : I3470-02 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

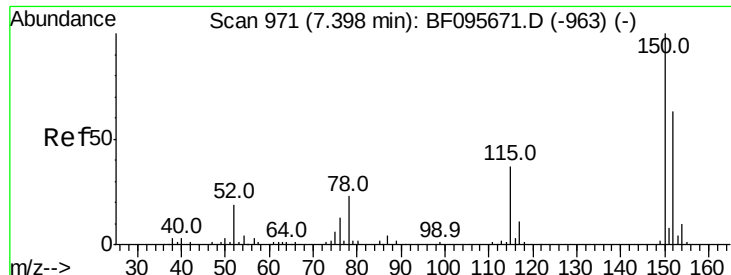
Instrument :
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#1

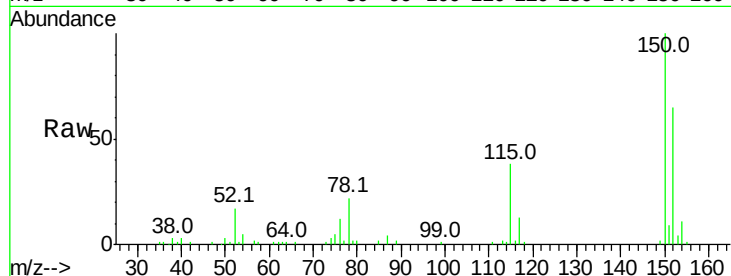
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :
POSTEX-44-20170602

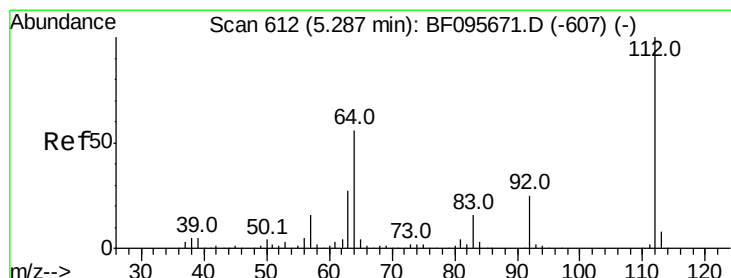
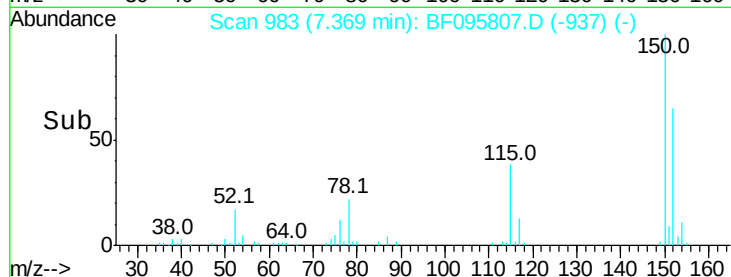
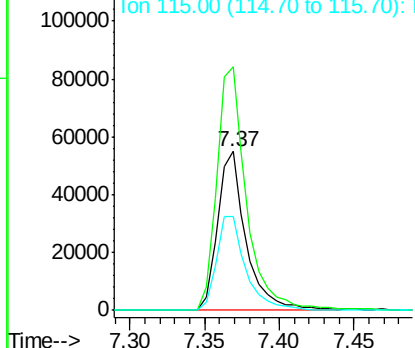
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	126.2	189.2
115	58.7	52.2	78.2

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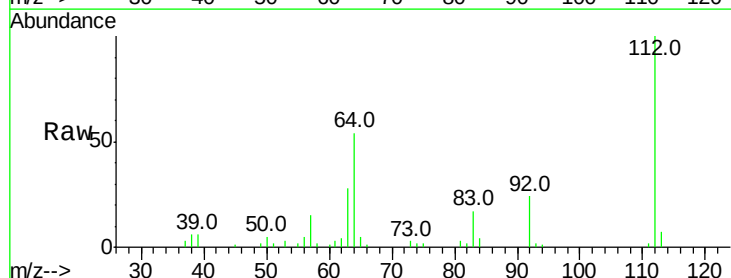
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



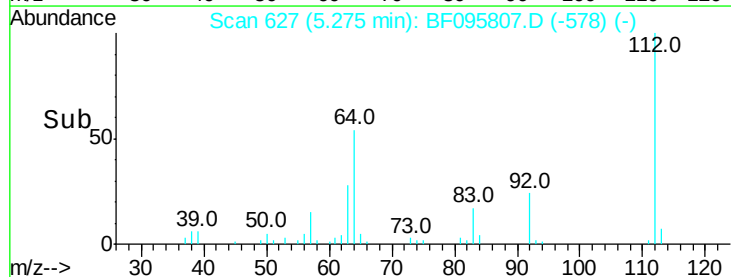
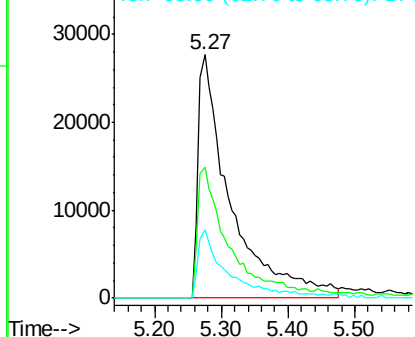
#5

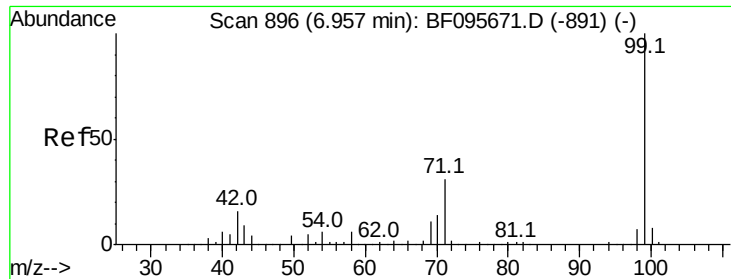
2-Fluorophenol
Concen: 20.05 ng
RT: 5.27 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	46.0	69.0
63	27.8	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: 21.44 ng

RT: 6.94 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095807.D

Acq: 9 Jun 2017 3:59

Instrument :

BNA_F

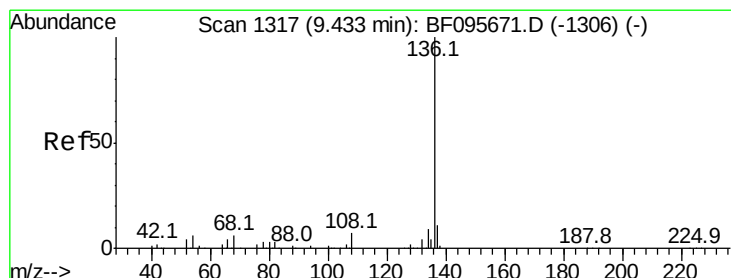
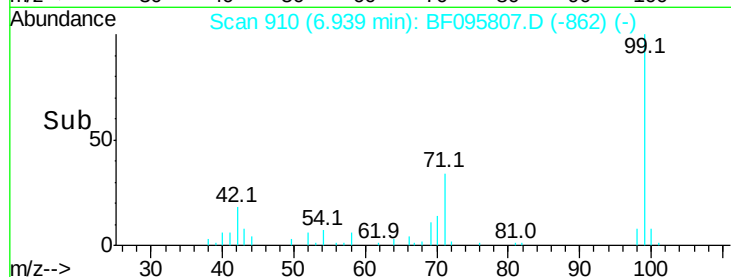
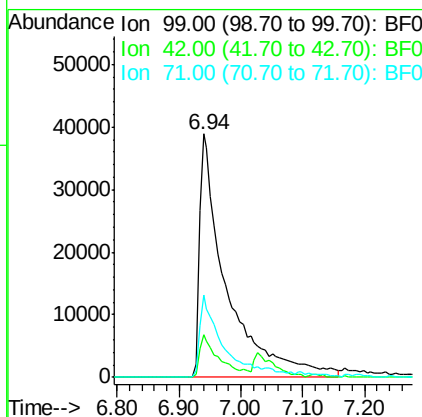
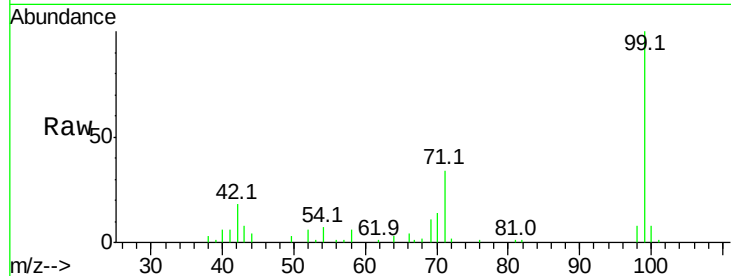
ClientSampleId :

POSTEX-44-20170602

Tot Ion:	99	Resp:	118441
Ion Ratio	Lower	Upper	
99	100		
42	17.6	13.5	20.3
71	33.7	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

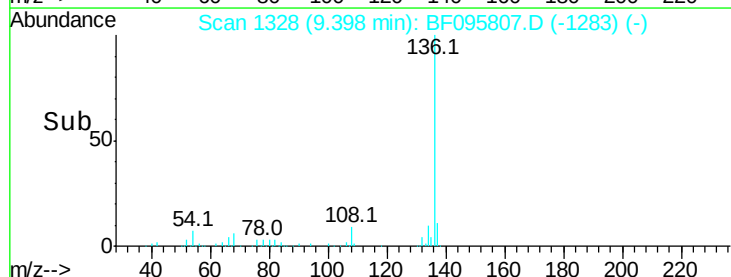
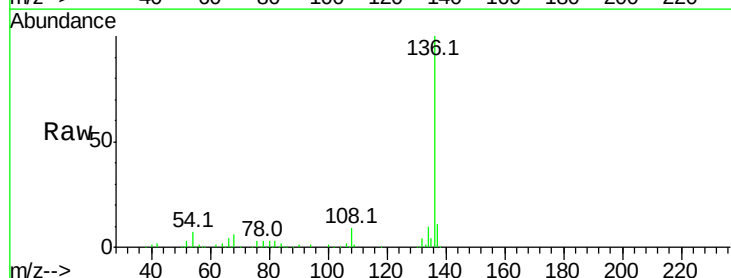
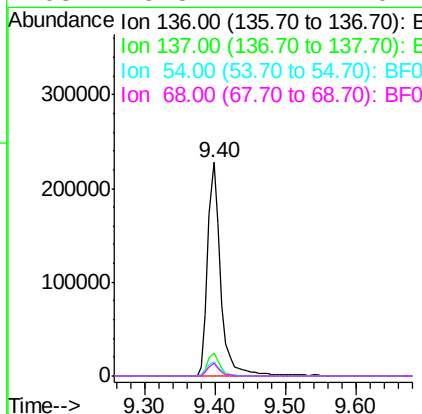
RT: 9.40 min Scan# 1328

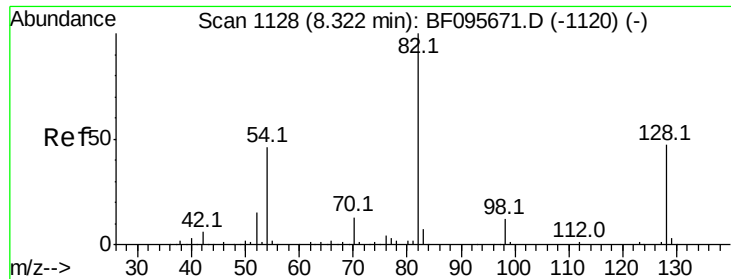
Delta R.T. -0.04 min

Lab File: BF095807.D

Acq: 9 Jun 2017 3:59

Tgt Ion:	136	Resp:	292419
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	6.6	4.9	7.3
68	5.8	4.1	6.1





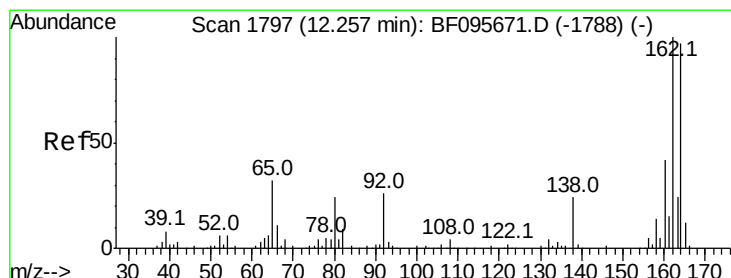
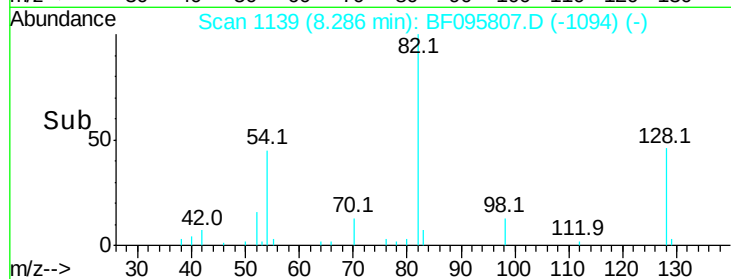
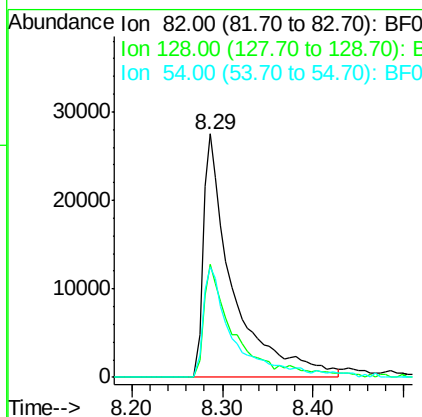
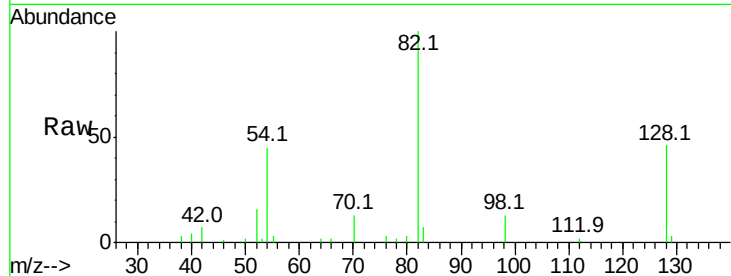
#23
Nitrobenzene-d5
Concen: 13.27 ng
RT: 8.29 min Scan# 1139
Delta R.T. -0.04 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :
POSTEX-44-20170602

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.0	51.0
54	45.5	42.2	63.2

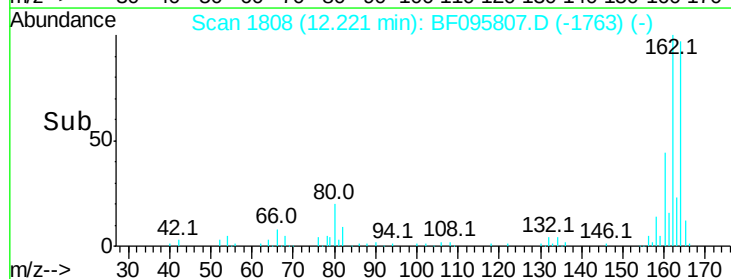
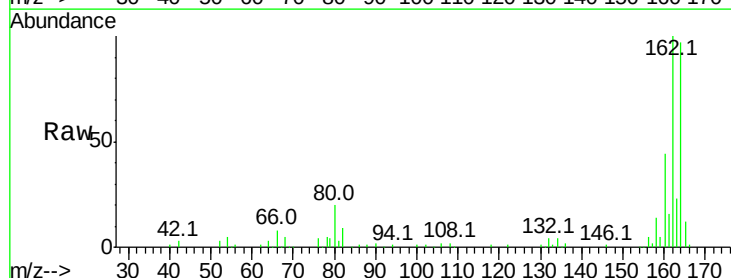
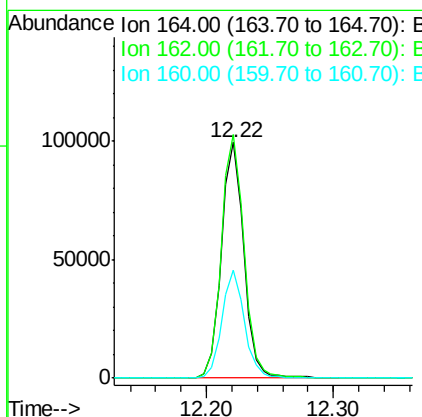
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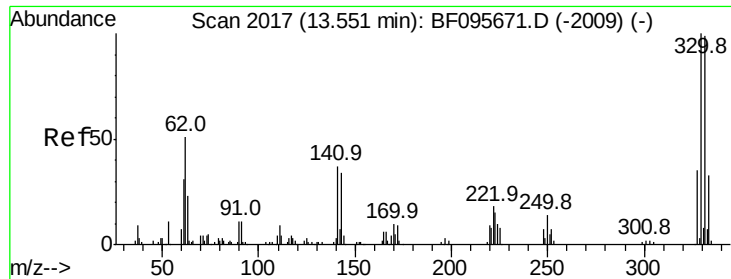
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.22 min Scan# 1808
Delta R.T. -0.04 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	45.9	36.2	54.2





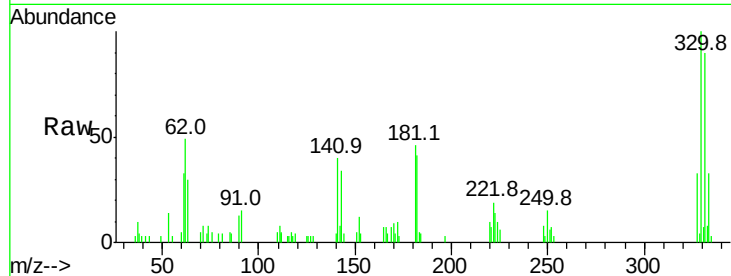
#41
 2,4,6-Tribromophenol
 Concen: 17.36 ng
 RT: 13.52 min Scan# 2029
 Delta R.T. -0.03 min
 Lab File: BF095807.D
 Acq: 9 Jun 2017 3:59

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-44-20170602

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.6		76.6	115.0
141	40.3		31.4	47.2

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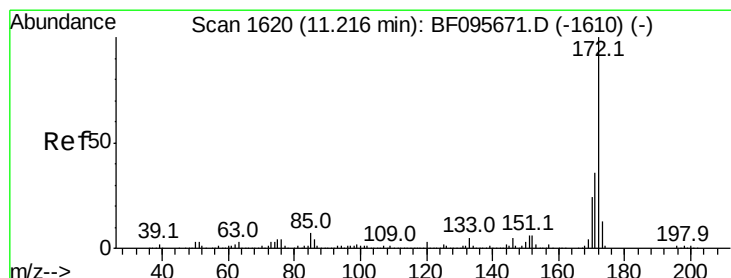
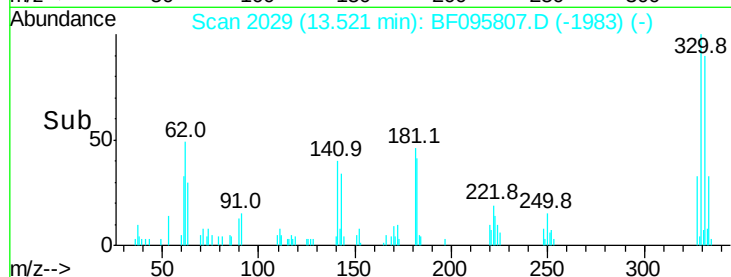
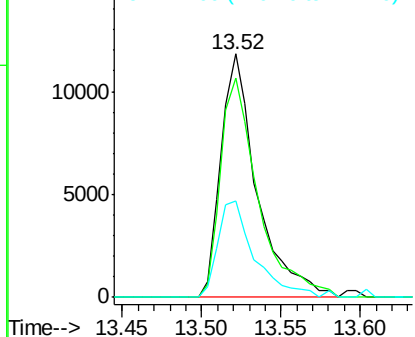


Abundance

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: 15.16 ng
 RT: 11.17 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BF095807.D
 Acq: 9 Jun 2017 3:59

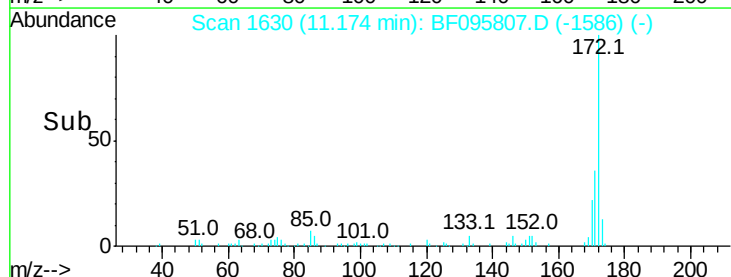
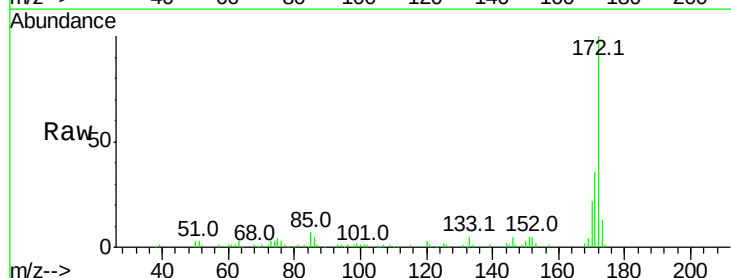
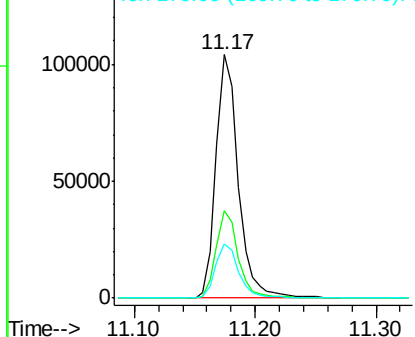
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.0		29.6	44.4
170	22.1		19.8	29.8

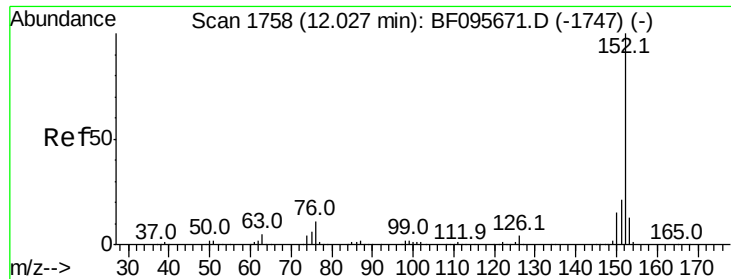
Abundance

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





#48

Acenaphthylene

Concen: 2.82 ng

RT: 11.99 min Scan# 1769

Delta R.T. -0.04 min

Lab File: BF095807.D

Acq: 9 Jun 2017 3:59

Instrument :

BNA_F

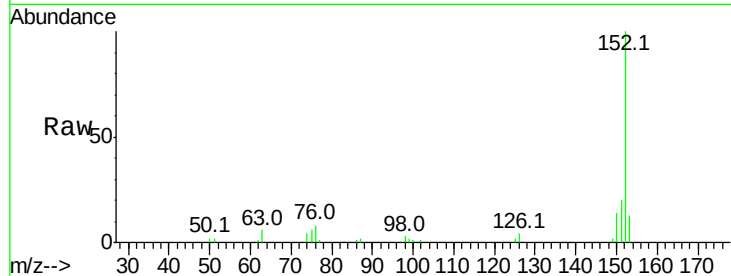
ClientSampleId :

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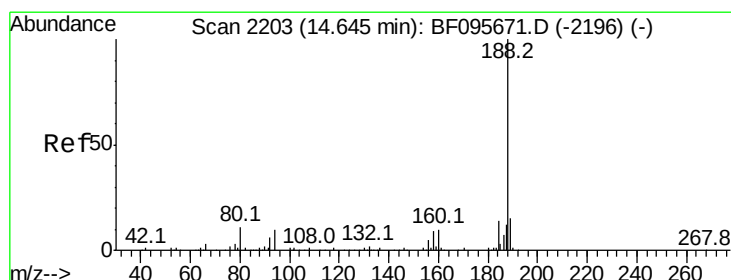
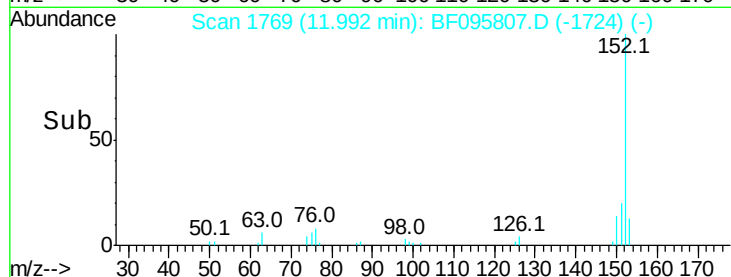
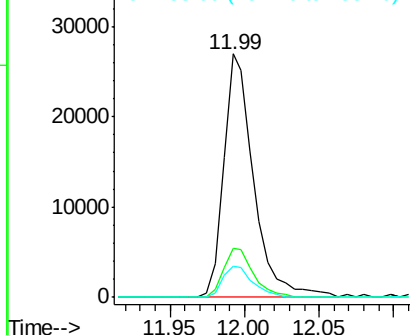
Tot Ion:	152	Resp:	37978
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.8	25.2
153	12.7	10.8	16.2

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

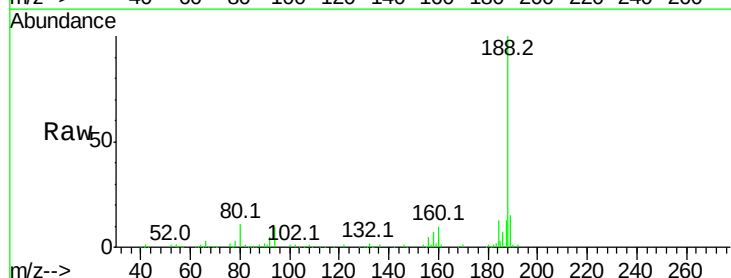
RT: 14.62 min Scan# 2215

Delta R.T. -0.03 min

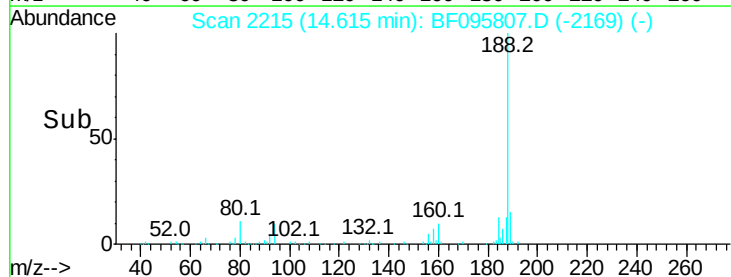
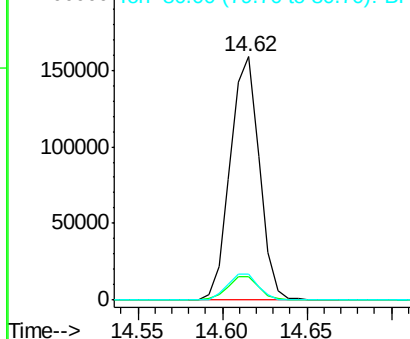
Lab File: BF095807.D

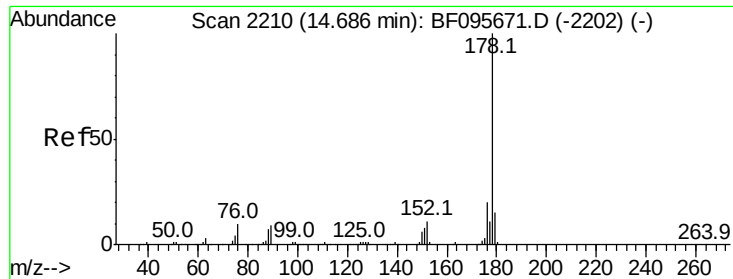
Acq: 9 Jun 2017 3:59

Tgt Ion:	188	Resp:	190897
Ion Ratio	Lower	Upper	
188	100		
94	9.7	9.4	14.2
80	10.9	10.2	15.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





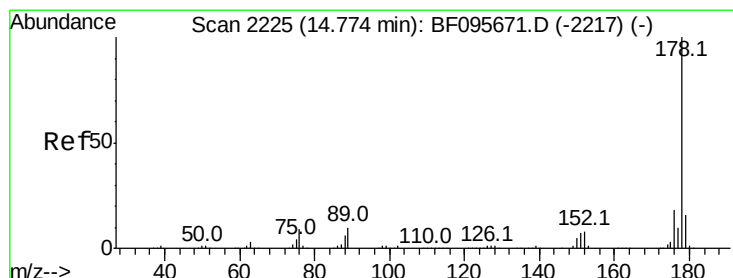
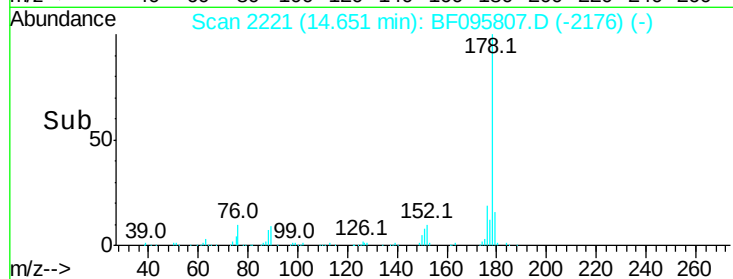
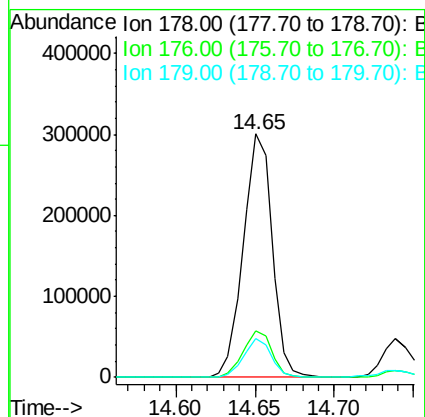
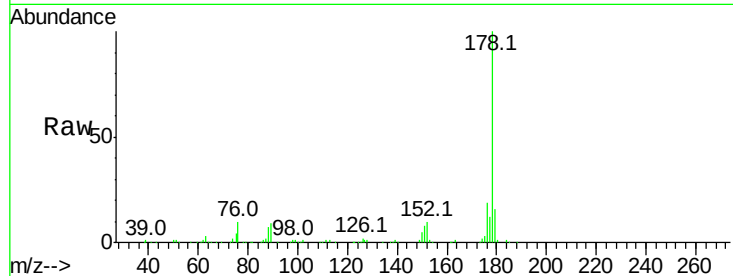
#70
Phenanthrene
Concen: 34.62 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
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ClientSampleId :
POSTEX-44-20170602

Tot Ion	Ratio	Resp	Lower	Upper
178	100			
176	18.9	16.2	24.4	
179	15.8	12.6	19.0	

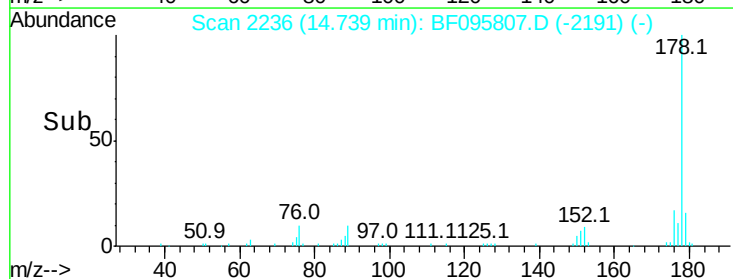
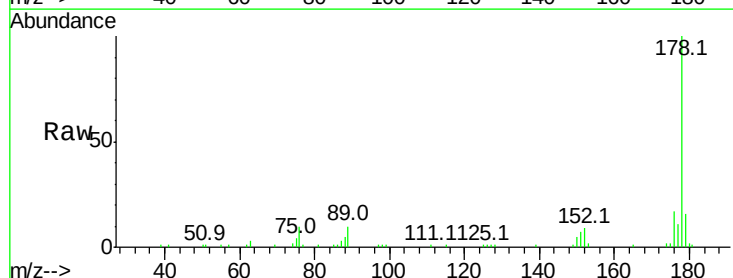
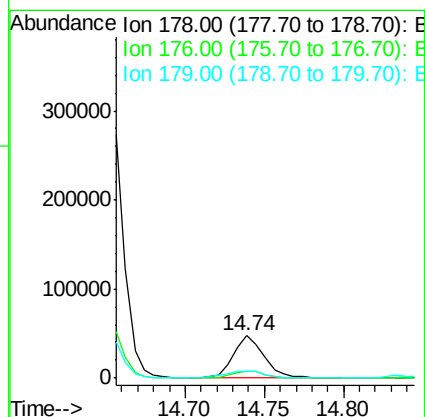
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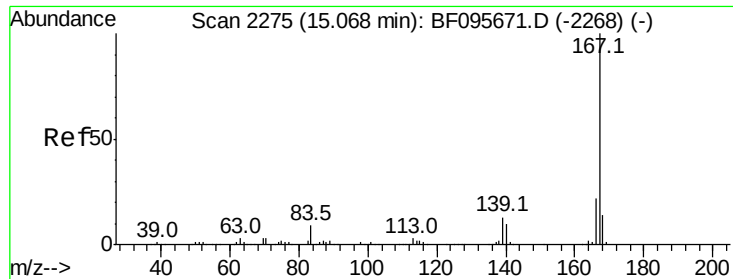
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#71
Anthracene
Concen: 5.53 ng
RT: 14.74 min Scan# 2236
Delta R.T. -0.04 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	17.4	15.8	23.8	
179	16.5	12.7	19.1	





#72

Carbazole

Concen: 2.59 ng

RT: 15.04 min Scan# 2288

Delta R.T. -0.02 min

Lab File: BF095807.D

Acq: 9 Jun 2017 3:59

Instrument :

BNA_F

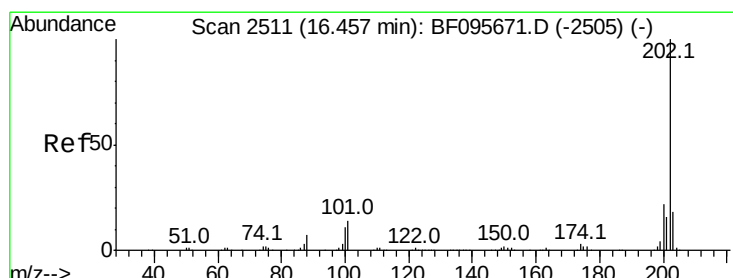
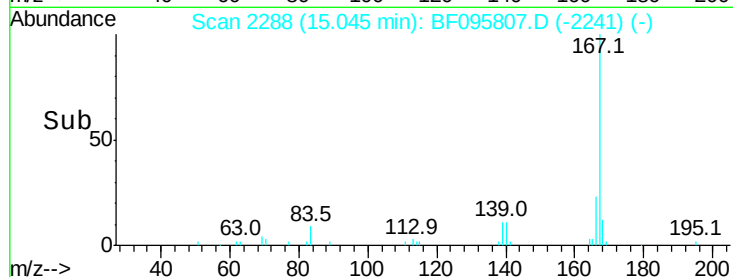
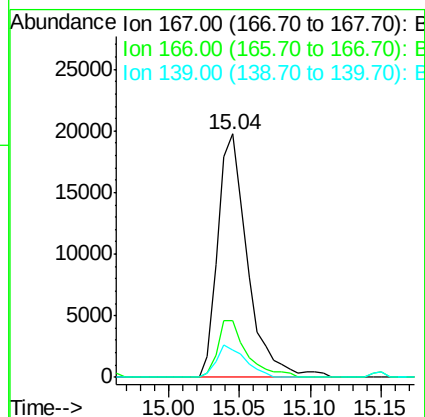
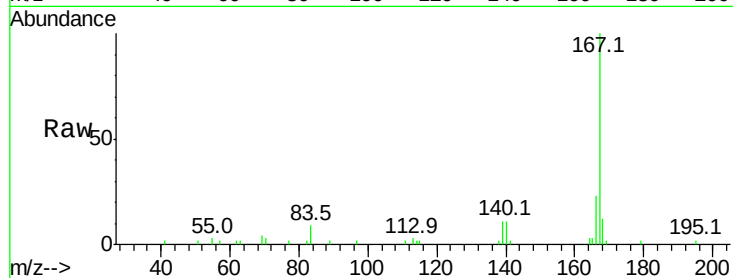
ClientSampleId :

POSTEX-44-20170602

Tot Ion:	167	Resp:	29016
Ion Ratio	Lower	Upper	
167	100		
166	23.5	18.1	27.1
139	11.5	11.7	17.5#

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#74

Fluoranthene

Concen: 44.39 ng

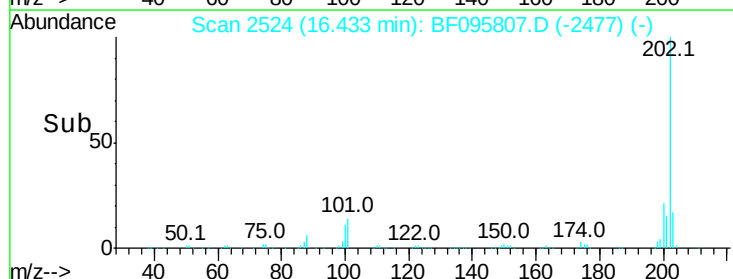
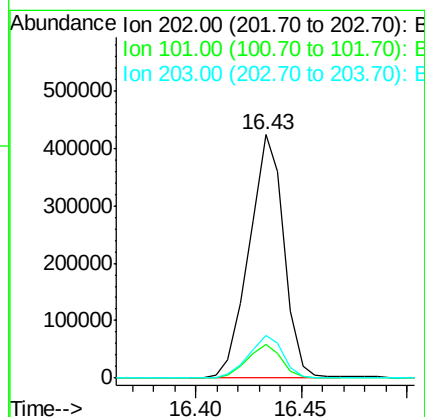
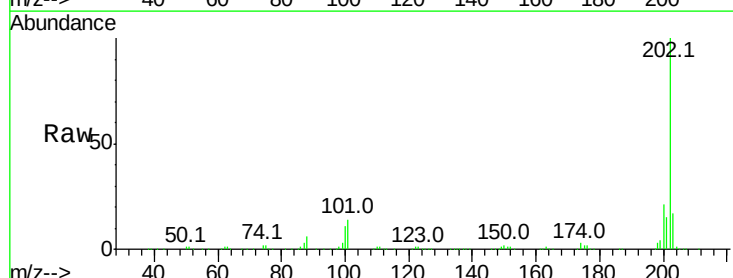
RT: 16.43 min Scan# 2524

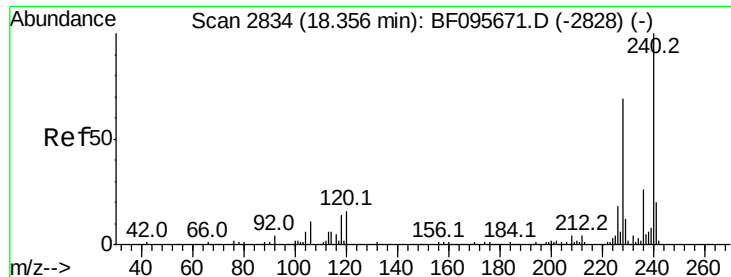
Delta R.T. -0.02 min

Lab File: BF095807.D

Acq: 9 Jun 2017 3:59

Tgt Ion:	202	Resp:	483947
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	33.2
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.33 min Scan# 2847

Delta R.T. -0.02 min

Lab File: BF095807.D

Acq: 9 Jun 2017 3:59

Instrument :

BNA_F

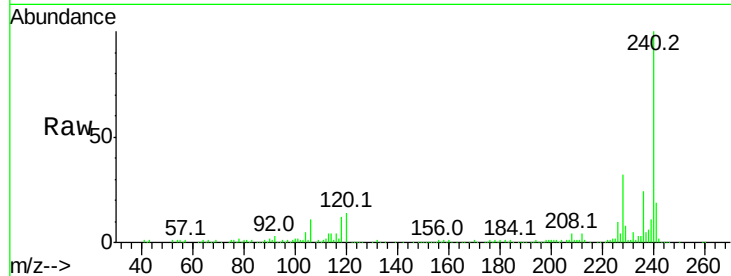
ClientSampleId :

POSTEX-44-20170602

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	23.8	20.5	30.7

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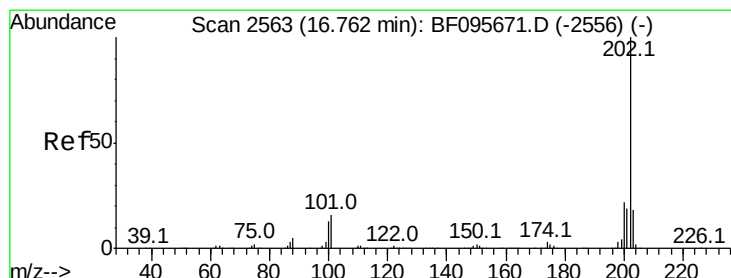
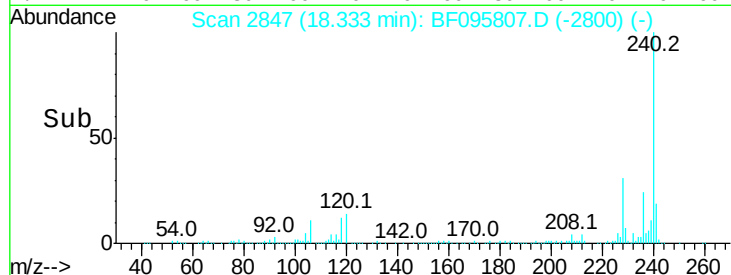
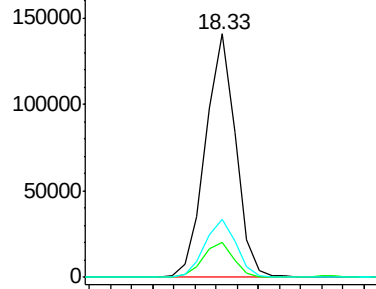
mohammad
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 42.62 ng

RT: 16.74 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095807.D

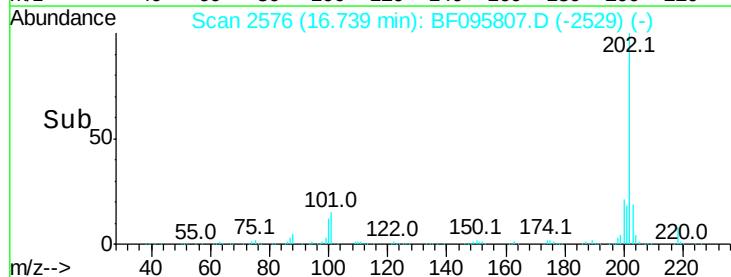
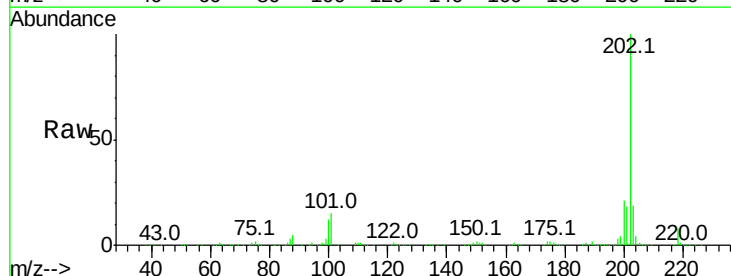
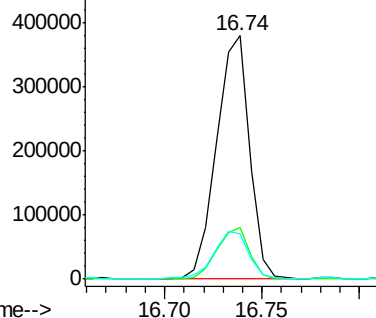
Acq: 9 Jun 2017 3:59

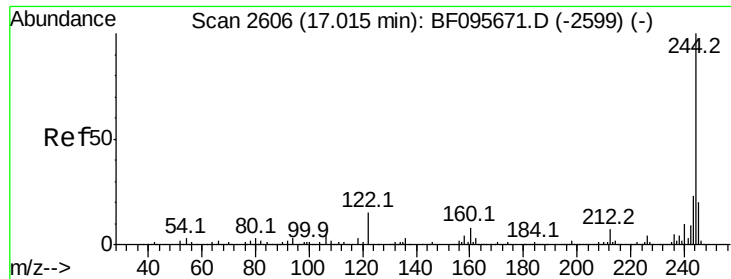
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	18.6	14.4	21.6

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





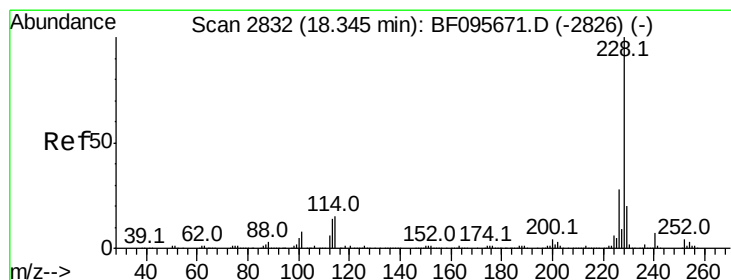
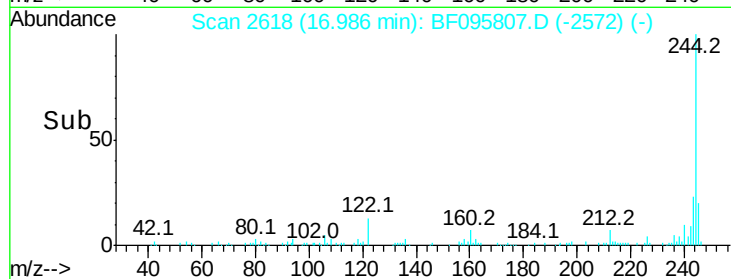
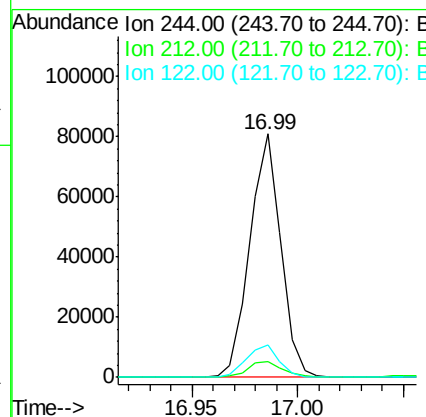
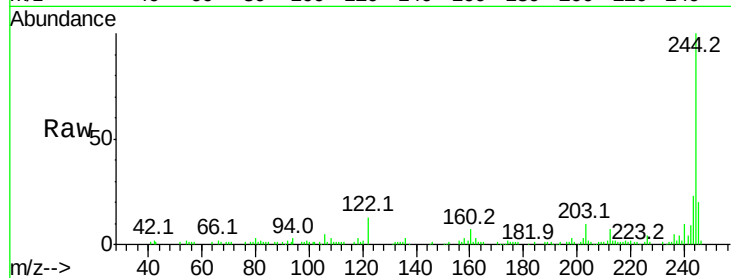
#78
 Terphenyl-d14
 Concen: 14.73 ng
 RT: 16.99 min Scan# 2618
 Delta R.T. -0.03 min
 Lab File: BF095807.D
 Acq: 9 Jun 2017 3:59

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-44-20170602

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.2	10.3	15.5

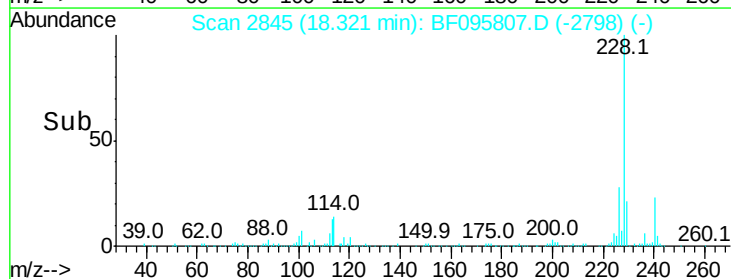
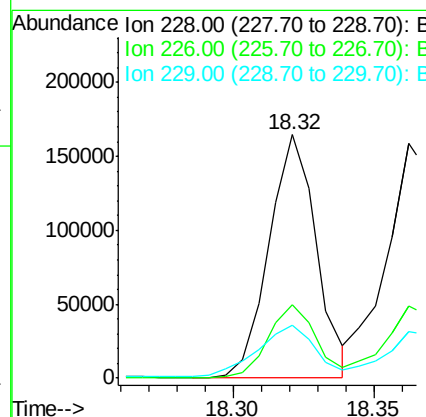
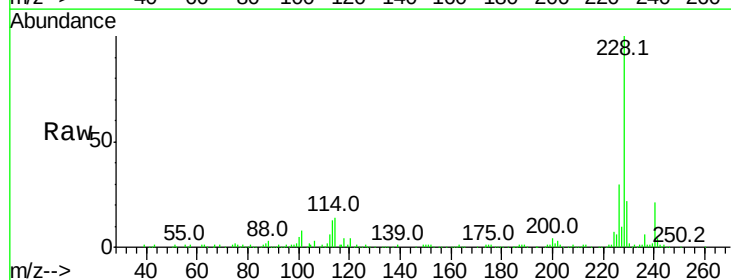
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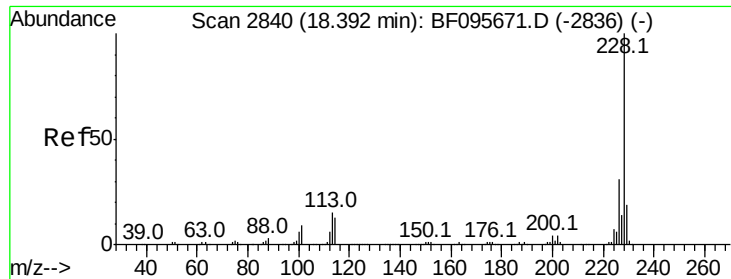
mohammad
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#80
 Benzo(a)anthracene
 Concen: 23.61 ng
 RT: 18.32 min Scan# 2845
 Delta R.T. -0.02 min
 Lab File: BF095807.D
 Acq: 9 Jun 2017 3:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	21.5	16.3	24.5





#82

Chrysene

Concen: 24.65 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BF095807.D

Acq: 9 Jun 2017 3:59

Instrument :

BNA_F

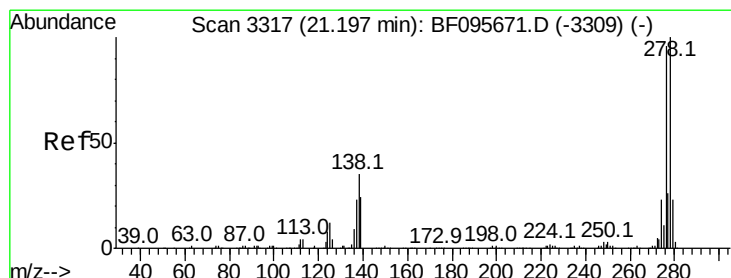
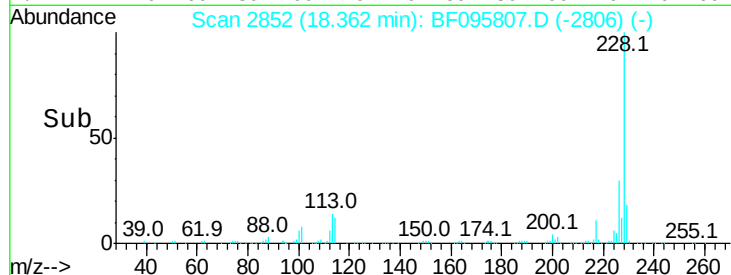
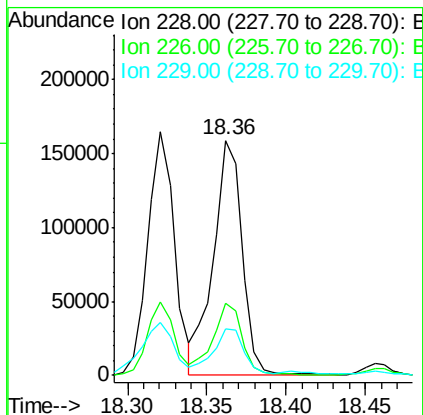
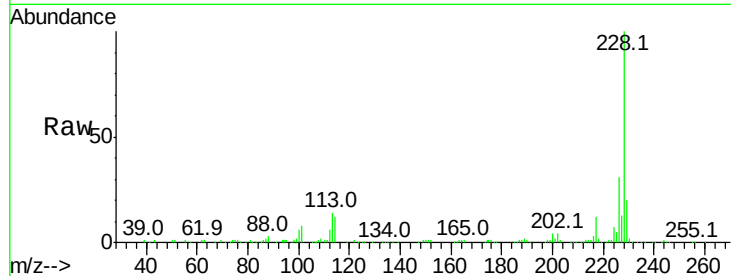
ClientSampleId :

POSTEX-44-20170602

Tot Ion:	228	Resp:	199322
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.9	37.3
229	19.6	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.91 ng

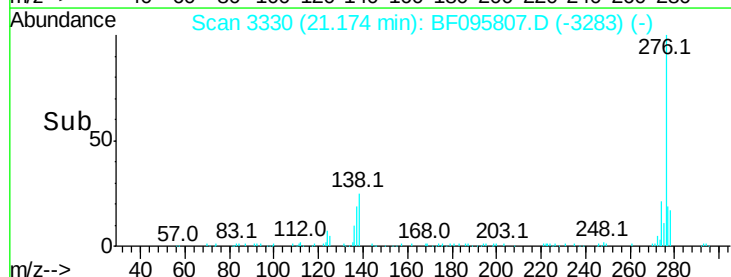
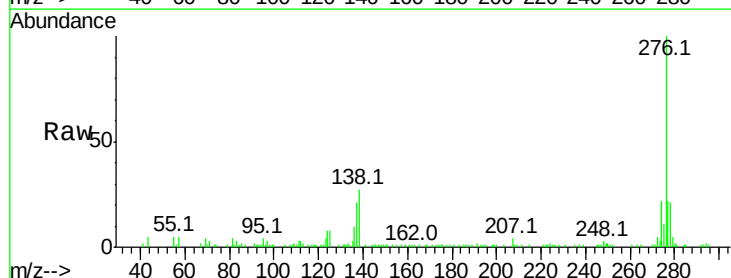
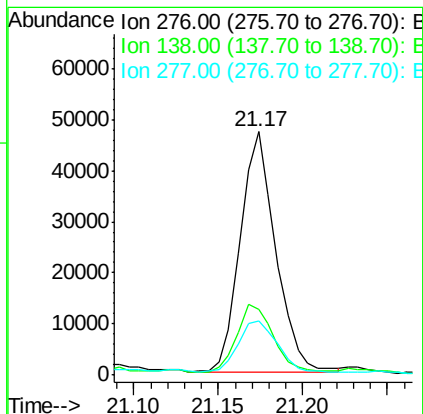
RT: 21.17 min Scan# 3330

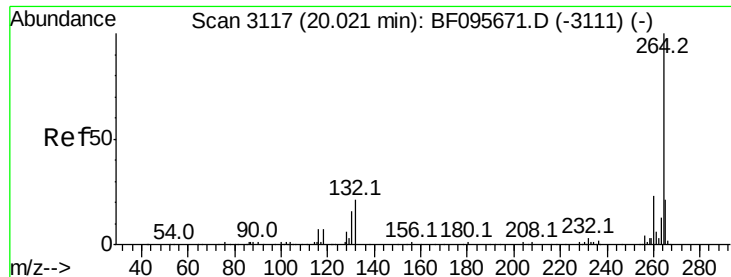
Delta R.T. -0.02 min

Lab File: BF095807.D

Acq: 9 Jun 2017 3:59

Tgt Ion:	276	Resp:	68596
Ion Ratio	Lower	Upper	
276	100		
138	29.0	27.8	41.6
277	24.2	20.2	30.4





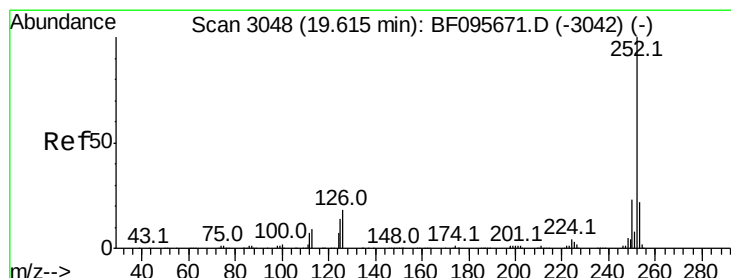
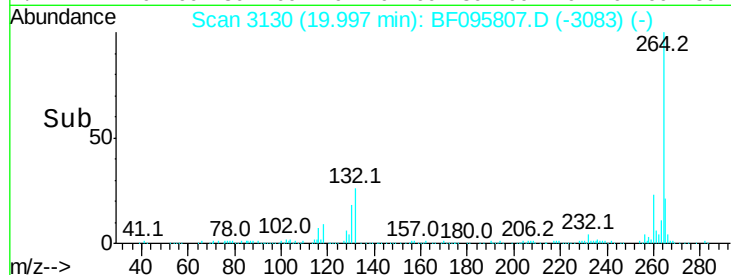
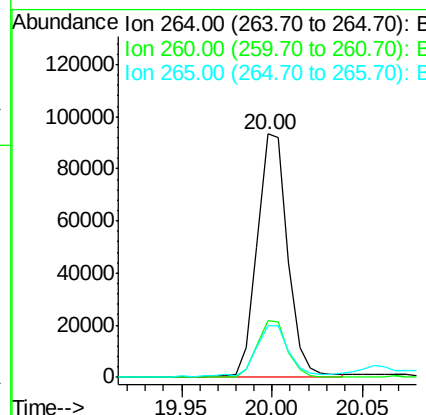
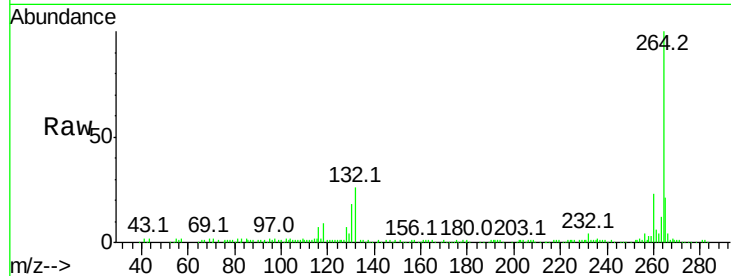
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :
POSTEX-44-20170602

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.3	19.5	29.3	
265	21.2	17.2	25.8	

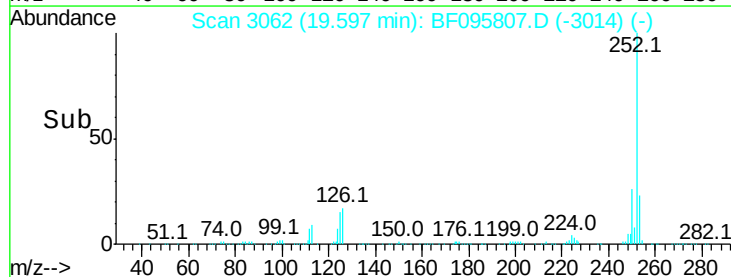
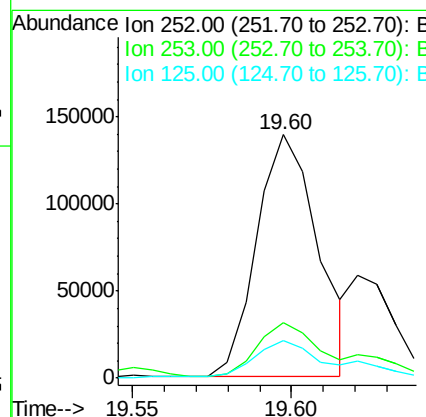
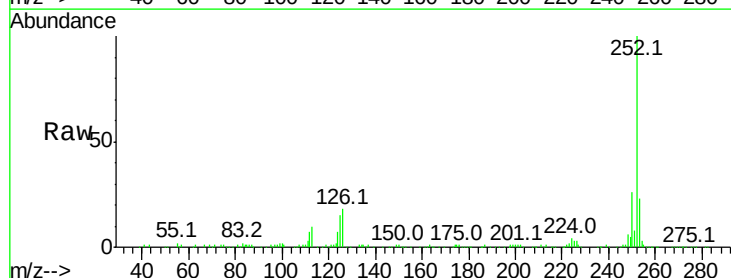
Manual Integrations
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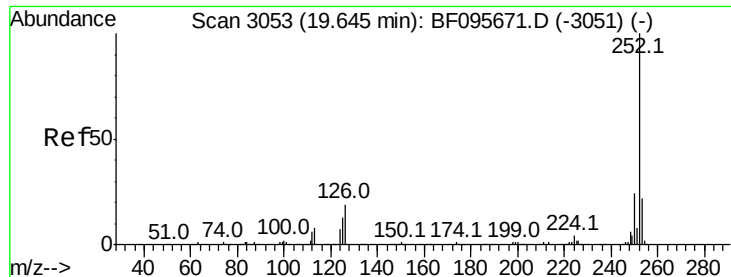
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#87
Benzo(b)fluoranthene
Concen: 26.86 ng m
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.0	18.1	27.1	
125	15.5	9.8	14.8	





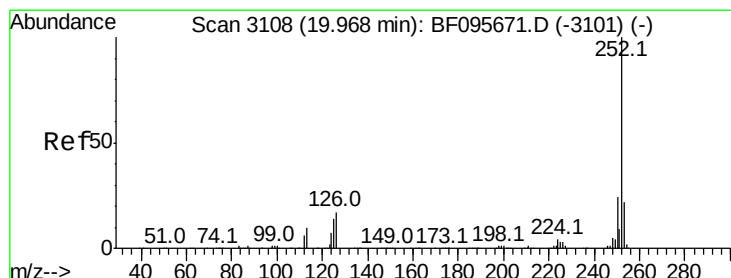
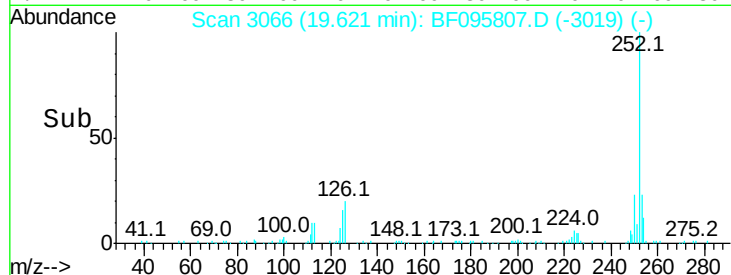
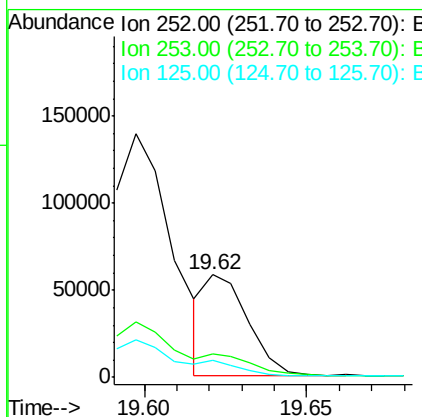
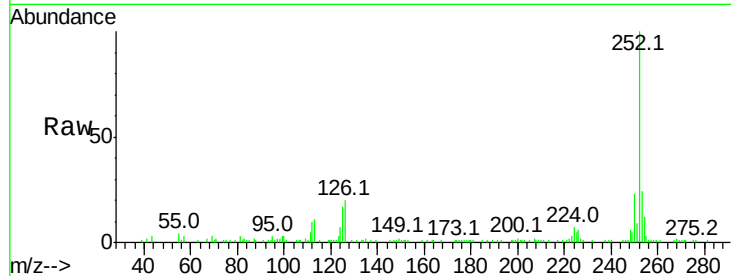
#88
Benzo(k)fluoranthene
Concen: 8.24 ng m
RT: 19.62 min Scan# 3066
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :
POSTEX-44-20170602

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	16.6	13.1	19.7

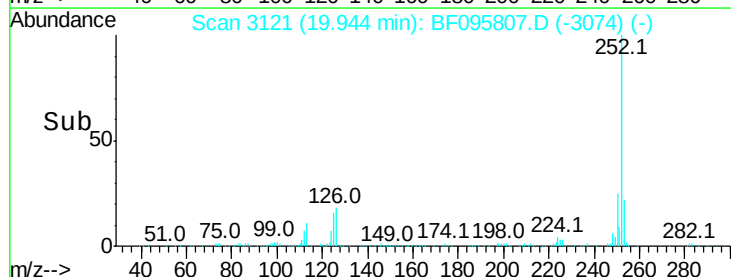
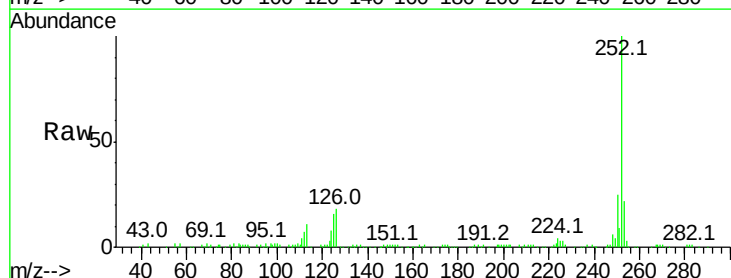
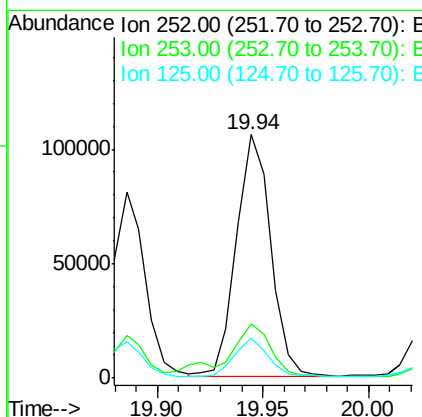
Manual Integrations
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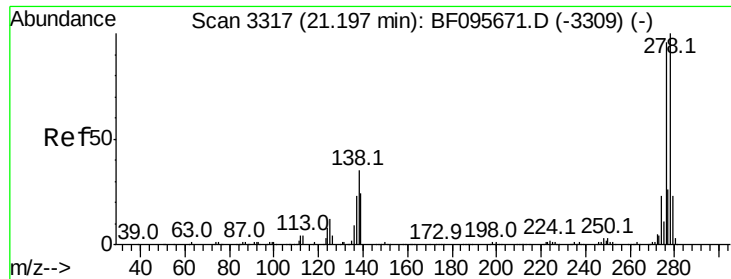
mohammad
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#89
Benzo(a)pyrene
Concen: 18.88 ng
RT: 19.94 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	16.2	11.0	16.4





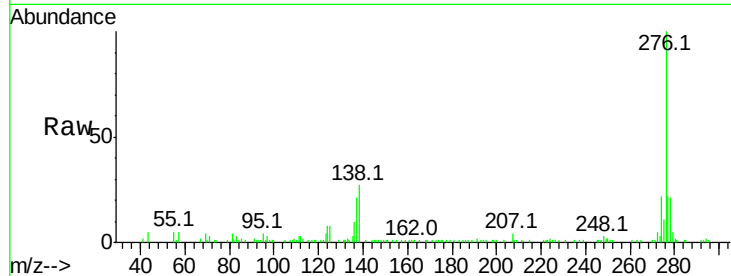
#90
Dibenzo(a,h)anthracene
Concen: 3.40 ng
RT: 21.17 min Scan# 3330
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Instrument :
BNA_F
ClientSampleId :
POSTEX-44-20170602

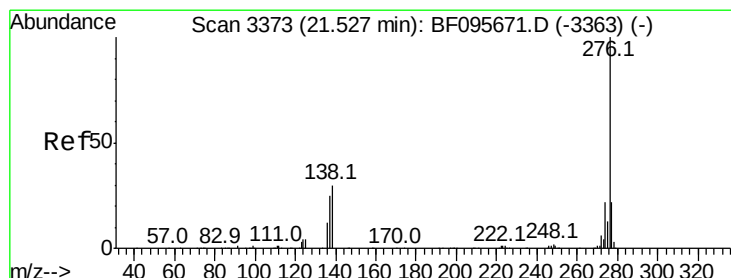
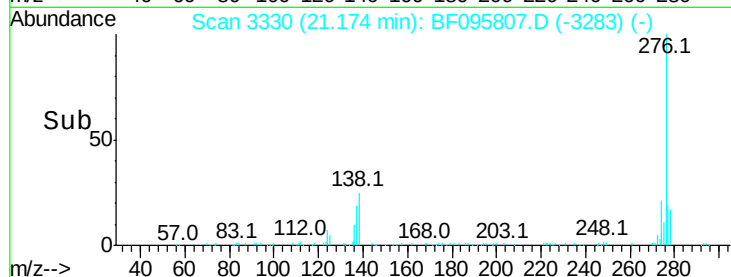
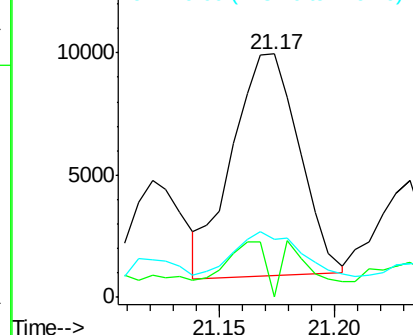
Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	23.9	19.3	28.9

Manual Integrations
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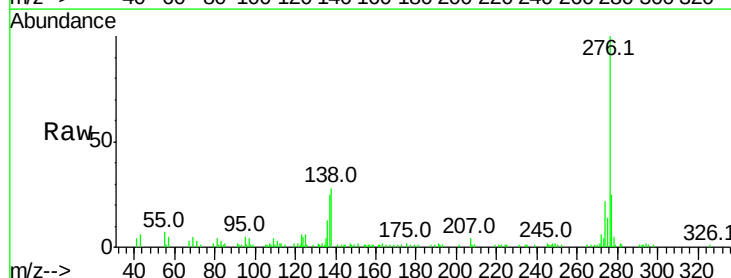


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 12.01 ng
RT: 21.51 min Scan# 3387
Delta R.T. -0.02 min
Lab File: BF095807.D
Acq: 9 Jun 2017 3:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	27.9	25.4	38.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

