

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095172.D
 Acq On : 16 May 2017 23:43
 Operator : SJ/MA
 Sample : I3170-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-33-20170515

Manual Integrations
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Quant Time: May 17 13:31:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	98951	20.00	ng	0.05
21) Naphthalene-d8	9.79	136	377209	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	153933	20.00	ng	0.04
63) Phenanthrene-d10	15.02	188	211528	20.00	ng	0.04
75) Chrysene-d12	18.69	240	191179	20.00	ng	0.04
86) Perylene-d12	20.37	264	148009	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	671709	113.18	ng	0.07
7) Phenol-d6	7.32	99	808667	113.56	ng	0.04
23) Nitrobenzene-d5	8.67	82	457915	76.55	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	110035	87.28	ng	0.04
44) 2-Fluorobiphenyl	11.56	172	854134	79.87	ng	0.03
78) Terphenyl-d14	17.34	244	519096	59.80	ng	0.03
Target Compounds						Qvalue
48) Acenaphthylene	12.39	152	94149	5.74	ng	96
49) Dimethylphthalate	12.25	163	127384	10.08	ng	99
51) Acenaphthene	12.67	154	35266	3.60	ng	97
54) Dibenzofuran	12.97	168	39811	2.94	ng	95
57) Fluorene	13.52	166	44013	3.74	ng	# 99
70) Phenanthrene	15.07	178	764537	62.91	ng	98
71) Anthracene	15.14	178	147702	11.90	ng	96
72) Carbazole	15.43	167	59937	5.31	ng	96
74) Fluoranthene	16.81	202	1053885	84.53	ng	99
77) Pyrene	17.11	202	933439	65.28	ng	99
80) Benzo(a)anthracene	18.68	228	466003	41.88	ng	98
82) Chrysene	18.72	228	498564	46.34	ng	98
83) Bis(2-ethylhexyl)phthalate	18.75	149	41945	4.43	ng	# 93
85) Indeno(1,2,3-cd)pyrene	21.70	276	177233	20.29	ng	91
87) Benzo(b)fluoranthene	19.96	252	458838m	50.17	ng	
88) Benzo(k)fluoranthene	19.99	252	164594m	18.66	ng	
89) Benzo(a)pyrene	20.31	252	326466	38.68	ng	97
90) Dibenzo(a,h)anthracene	21.71	278	38615m	5.54	ng	
91) Benzo(a,h,i)perylene	22.09	276	169890	24.84	ng	97

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

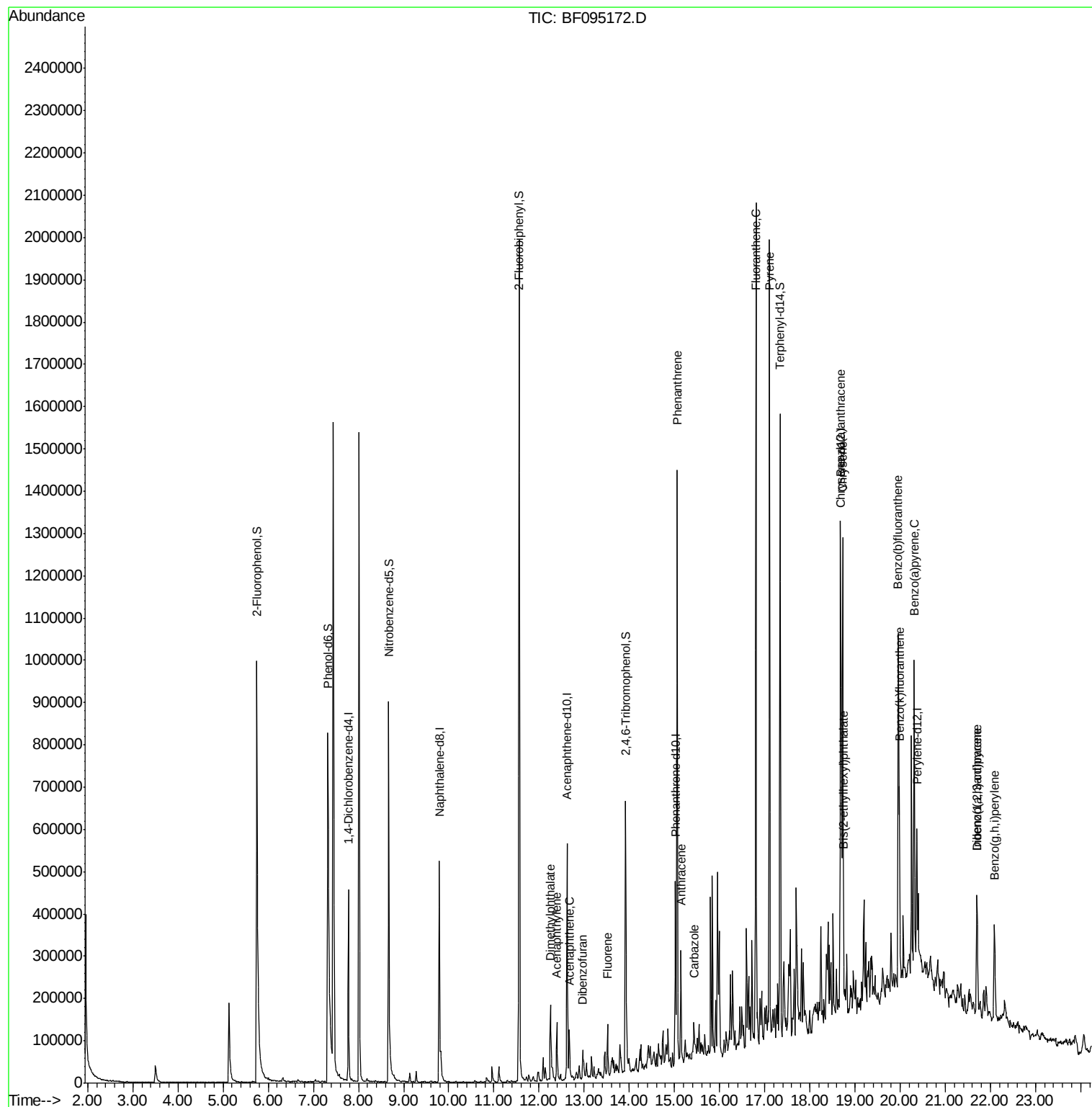
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
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ALS Vial : 16 Sample Multiplier: 1

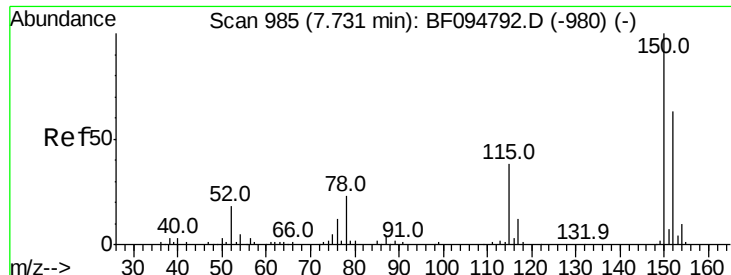
Instrument :
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#1

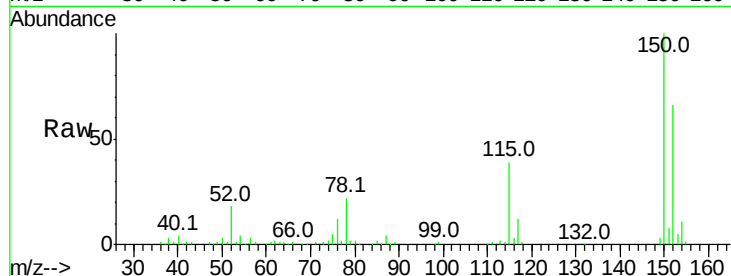
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095172.D
Acq: 16 May 2017 23:43

Instrument :
BNA_F
ClientSampleId :
POSTEX-33-20170515

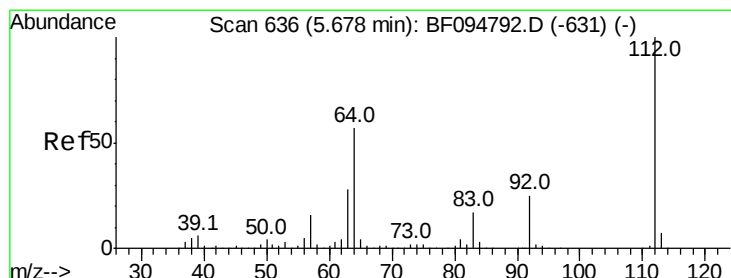
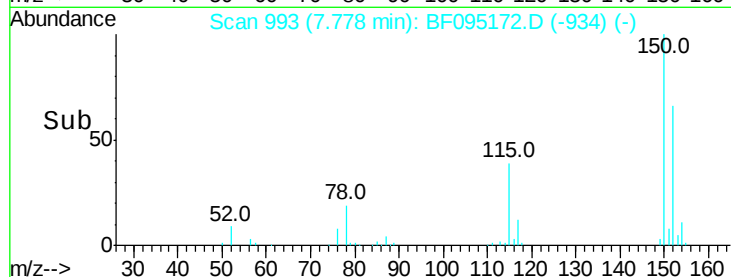
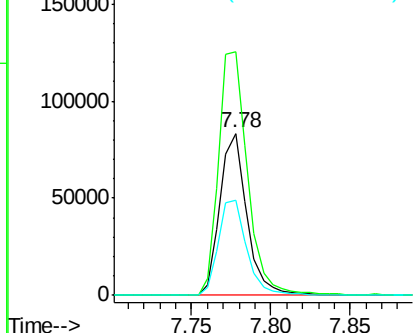
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.4	126.2	189.2
115	59.2	52.2	78.2

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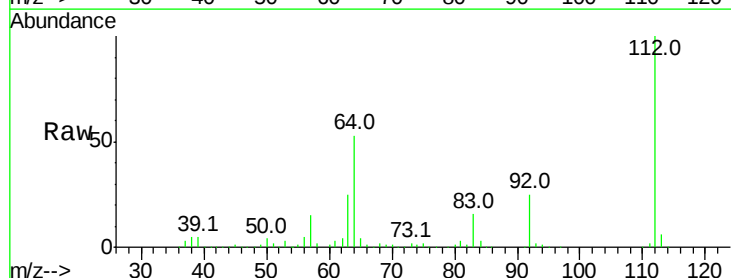
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



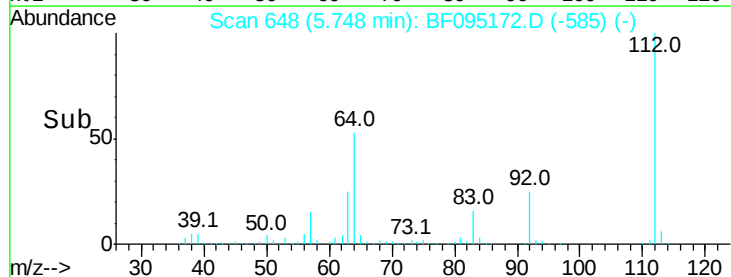
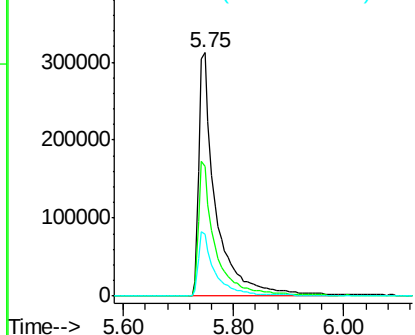
#5

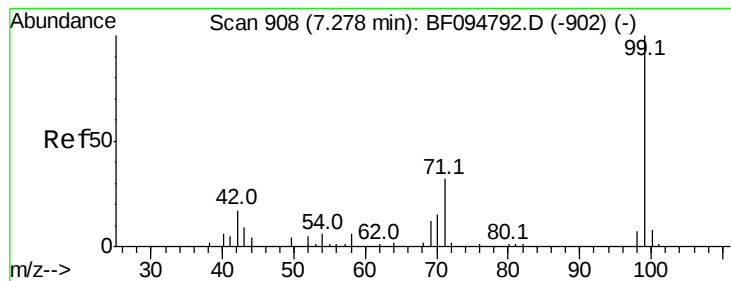
2-Fluorophenol
Concen: 113.18 ng
RT: 5.75 min Scan# 648
Delta R.T. 0.07 min
Lab File: BF095172.D
Acq: 16 May 2017 23:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	46.0	69.0
63	25.2	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: 113.56 ng

RT: 7.32 min Scan# 915

Delta R.T. 0.04 min

Lab File: BF095172.D

Acq: 16 May 2017 23:43

Instrument :

BNA_F

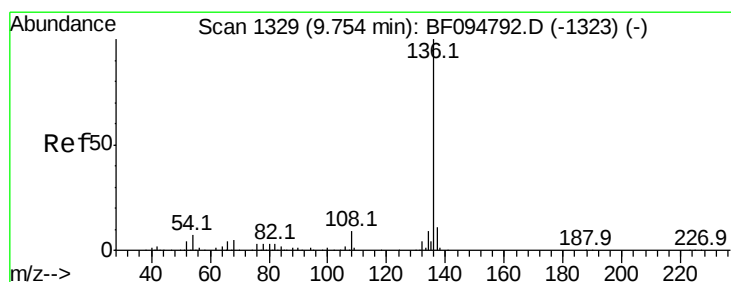
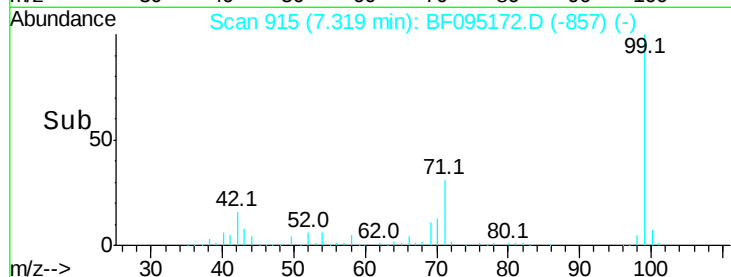
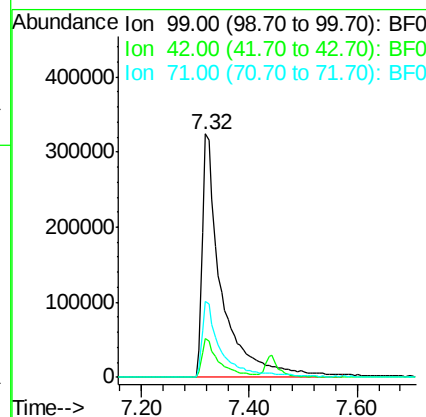
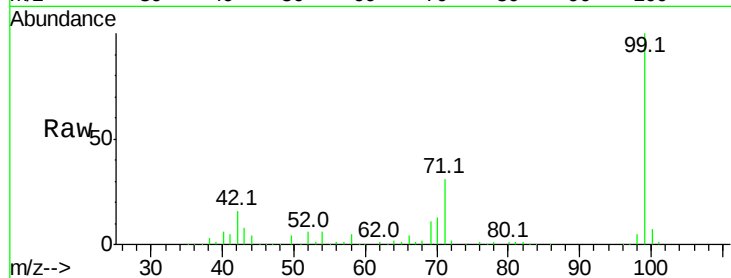
ClientSampleId :

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Tot Ion:	99	Resp:	808667
Ion Ratio	Lower	Upper	
99	100		
42	16.0	13.5	20.3
71	31.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

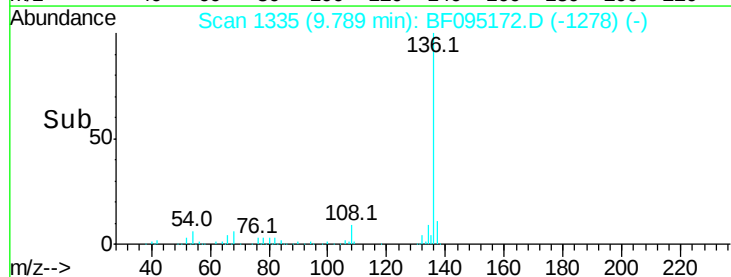
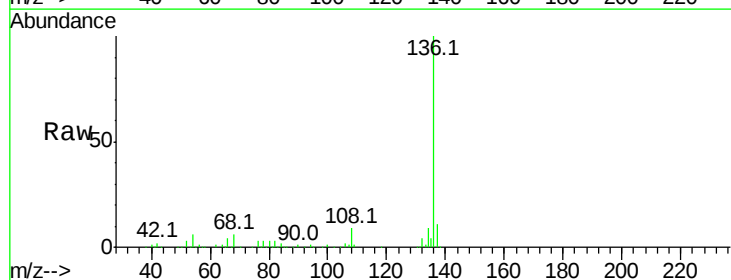
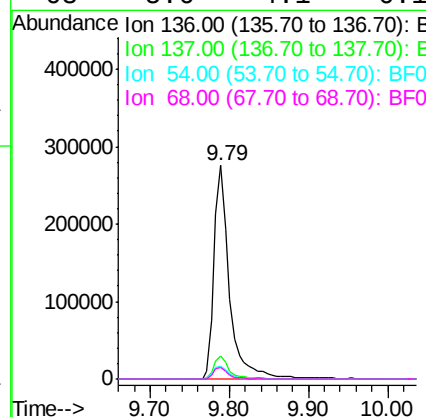
RT: 9.79 min Scan# 1335

Delta R.T. 0.04 min

Lab File: BF095172.D

Acq: 16 May 2017 23:43

Tgt Ion:	136	Resp:	377209
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	6.3	4.9	7.3
68	5.6	4.1	6.1





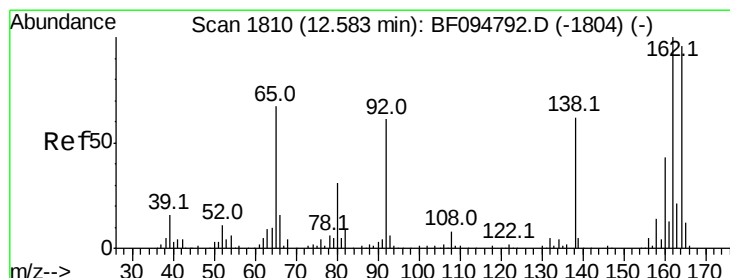
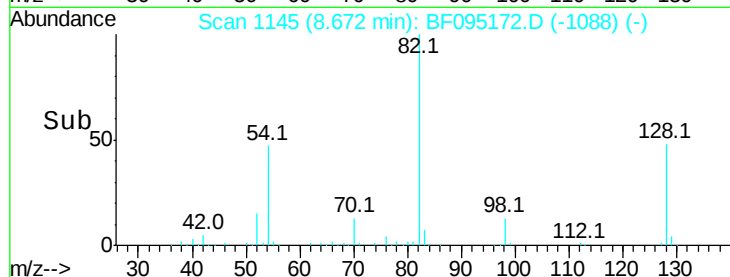
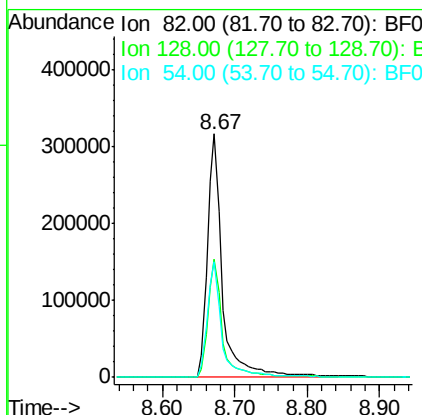
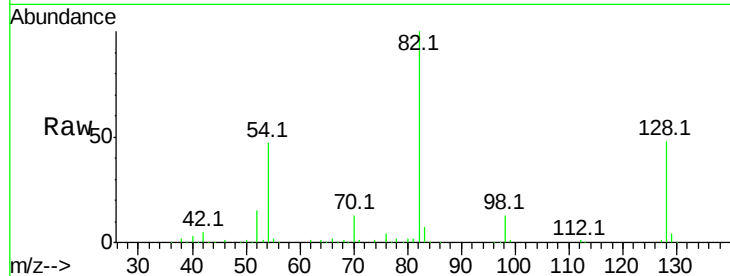
#23
 Nitrobenzene-d5
 Concen: 76.55 ng
 RT: 8.67 min Scan# 1145
 Delta R.T. 0.04 min
 Lab File: BF095172.D
 Acq: 16 May 2017 23:43

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-33-20170515

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	34.0	51.0
54	47.3	42.2	63.2

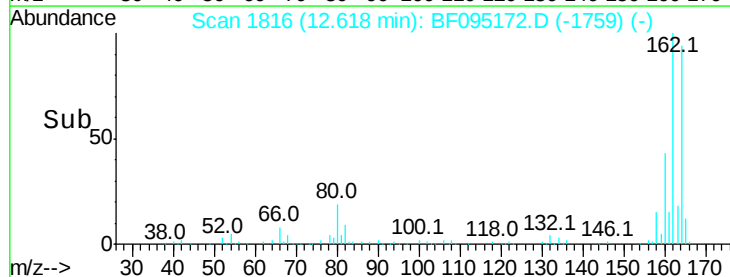
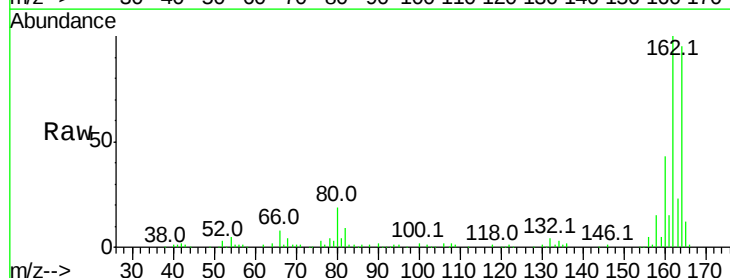
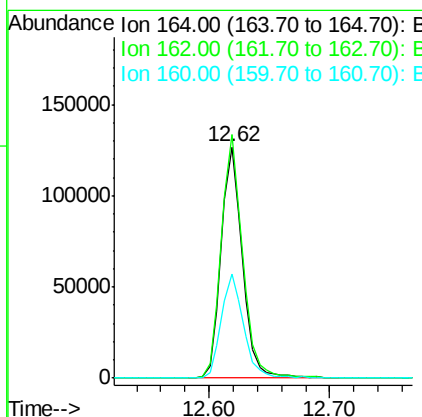
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1816
 Delta R.T. 0.04 min
 Lab File: BF095172.D
 Acq: 16 May 2017 23:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.6	123.8
160	45.3	36.2	54.2





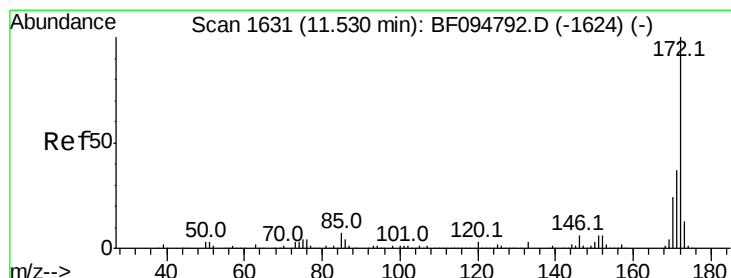
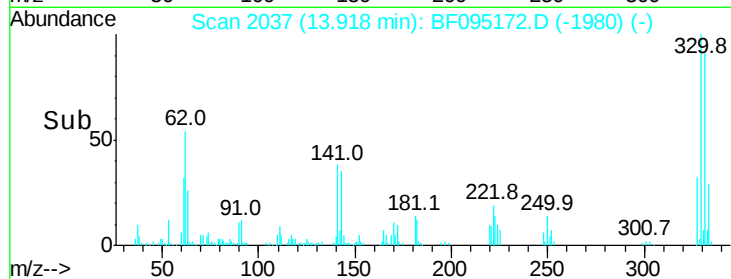
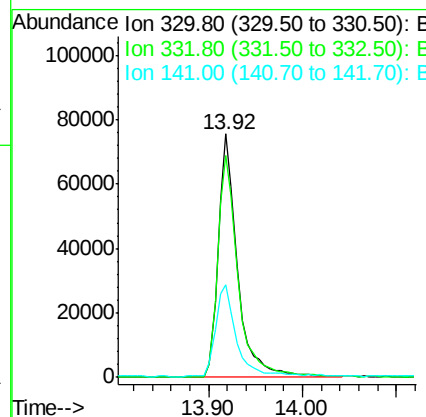
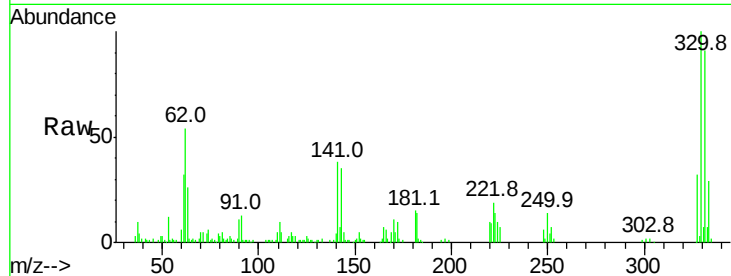
#41
 2,4,6-Tribromophenol
 Concen: 87.28 ng
 RT: 13.92 min Scan# 2037
 Delta R.T. 0.04 min
 Lab File: BF095172.D
 Acq: 16 May 2017 23:43

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0		76.6	115.0
141	41.9		31.4	47.2

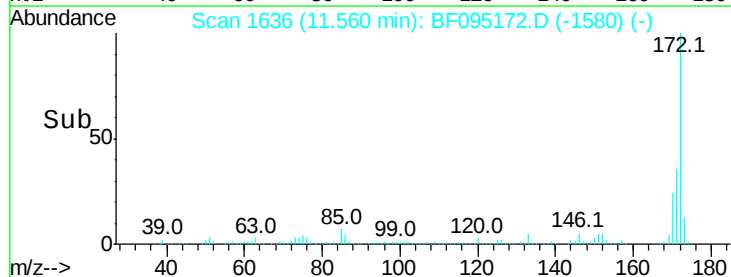
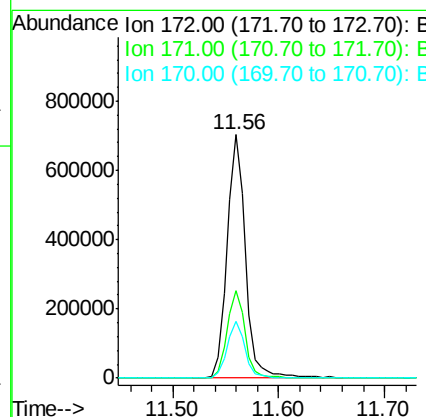
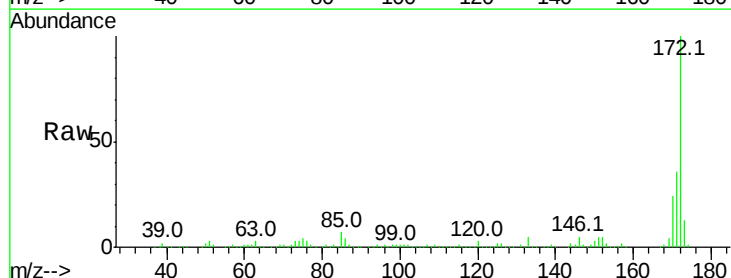
Manual Integrations
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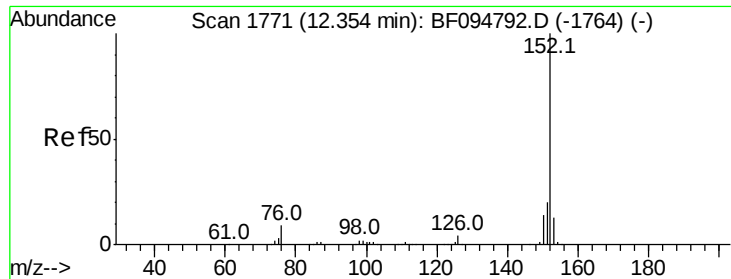
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#44
 2-Fluorobiphenyl
 Concen: 79.87 ng
 RT: 11.56 min Scan# 1636
 Delta R.T. 0.03 min
 Lab File: BF095172.D
 Acq: 16 May 2017 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7		29.6	44.4
170	23.5		19.8	29.8





#48

Acenaphthylene

Concen: 5.74 ng

RT: 12.39 min Scan# 1778

Delta R.T. 0.04 min

Lab File: BF095172.D

Acq: 16 May 2017 23:43

Instrument :

BNA_F

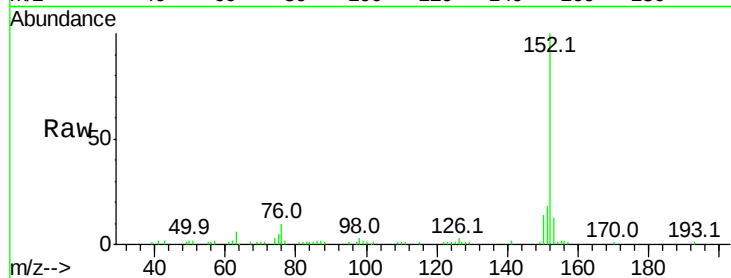
ClientSampleId :

POSTEX-33-20170515

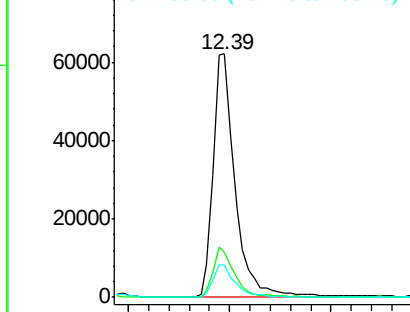
Tot Ion:	152	Resp:	94149
Ion Ratio	Lower	Upper	
152	100		
151	18.4	16.8	25.2
153	13.4	10.8	16.2

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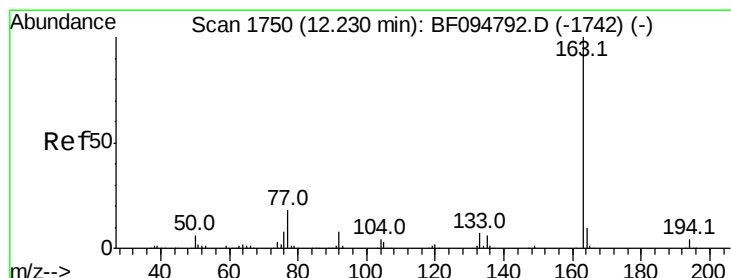
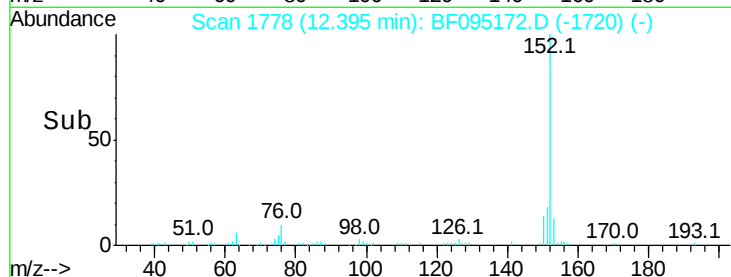
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time--> 12.30 12.40 12.50



#49

Dimethylphthalate

Concen: 10.08 ng

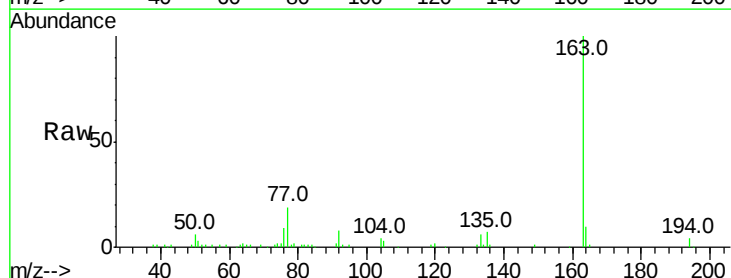
RT: 12.25 min Scan# 1754

Delta R.T. 0.02 min

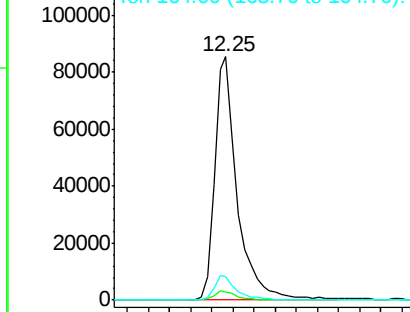
Lab File: BF095172.D

Acq: 16 May 2017 23:43

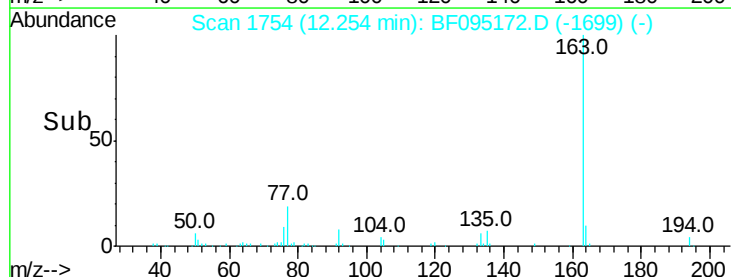
Tgt Ion:	163	Resp:	127384
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.6	4.0
164	9.9	8.4	12.6

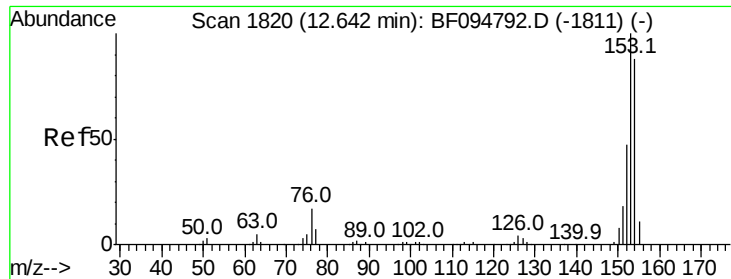


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



Time--> 12.20 12.30 12.40





#51

Acenaphthene

Concen: 3.60 ng

RT: 12.67 min Scan# 1825

Delta R.T. 0.03 min

Lab File: BF095172.D

Acq: 16 May 2017 23:43

Instrument :

BNA_F

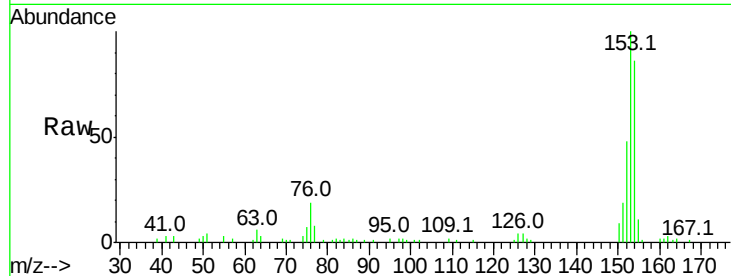
ClientSampleId :

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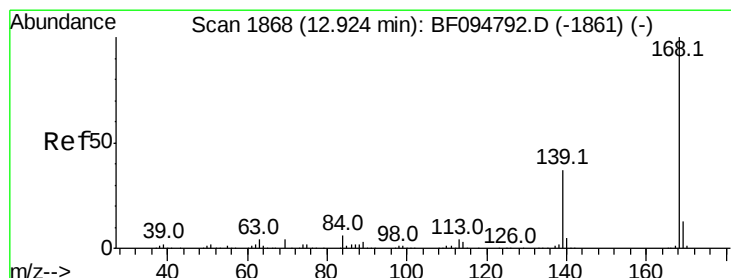
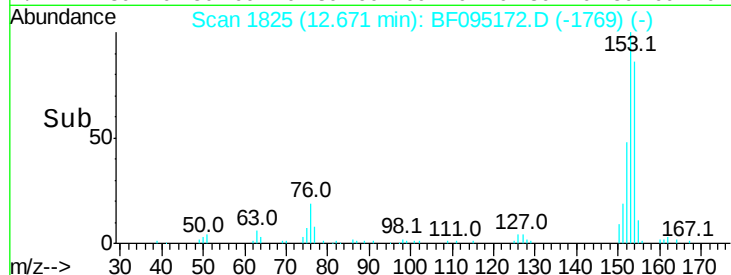
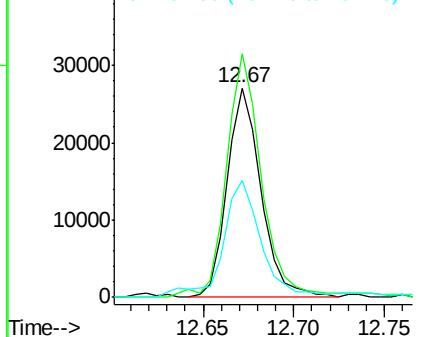
Tot Ion:	154	Resp:	35266
Ion Ratio	Lower	Upper	
154	100		
153	116.4	90.5	135.7
152	55.8	43.6	65.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.94 ng

RT: 12.97 min Scan# 1875

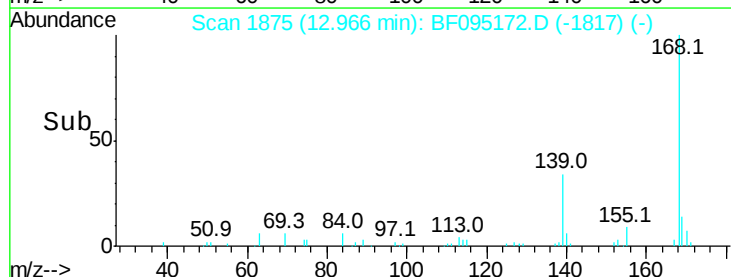
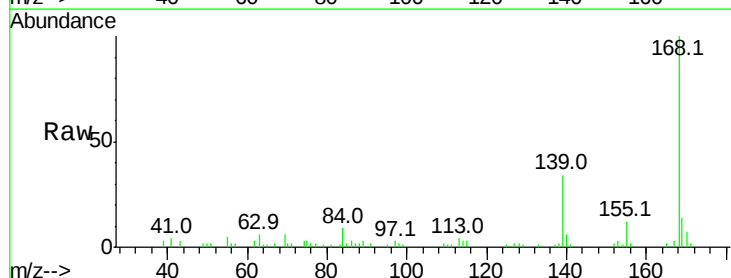
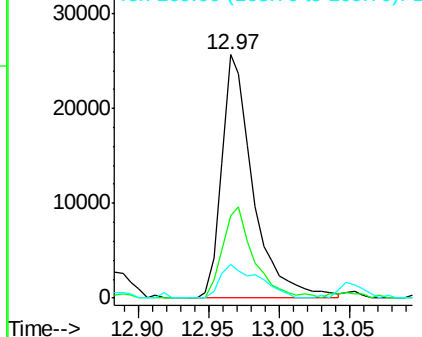
Delta R.T. 0.04 min

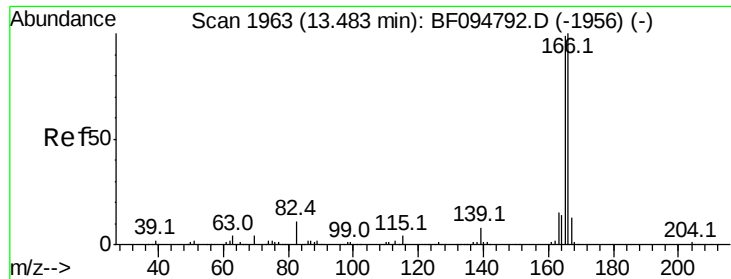
Lab File: BF095172.D

Acq: 16 May 2017 23:43

Tgt Ion:	168	Resp:	39811
Ion Ratio	Lower	Upper	
168	100		
139	34.0	30.6	45.8
169	14.0	10.8	16.2

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





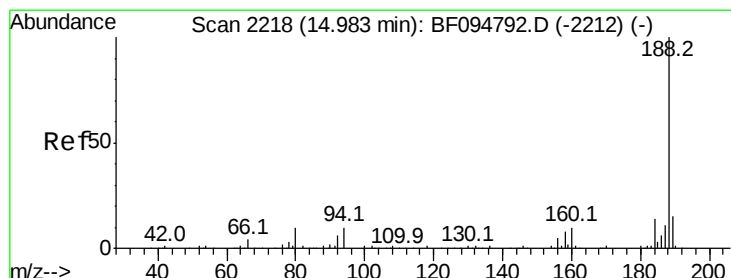
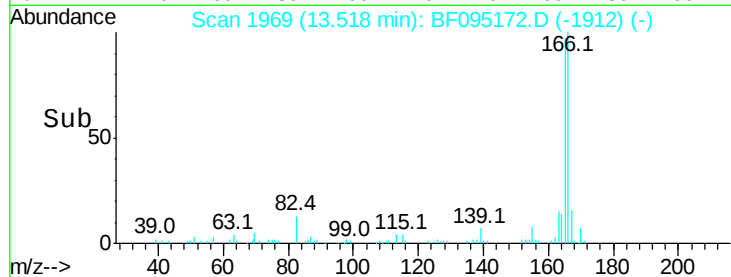
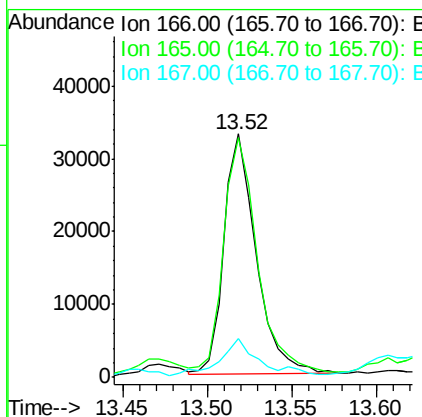
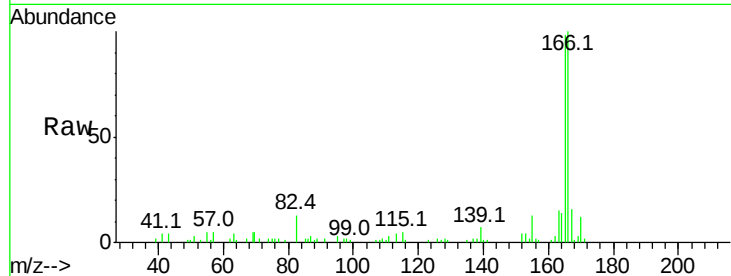
#57
Fluorene
 Concen: 3.74 ng
 RT: 13.52 min Scan# 1969
 Delta R.T. 0.04 min
 Lab File: BF095172.D
 Acq: 16 May 2017 23:43

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.8	118.2
167	16.0	10.6	16.0#

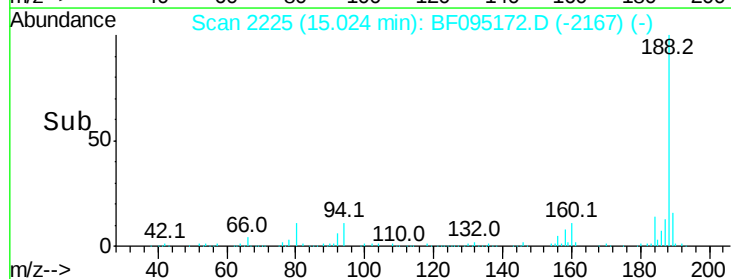
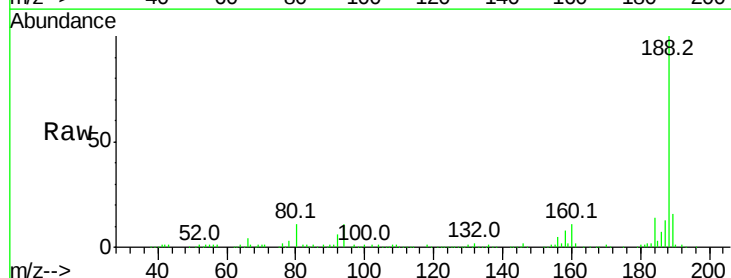
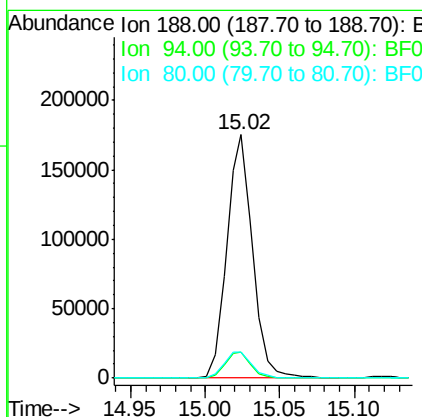
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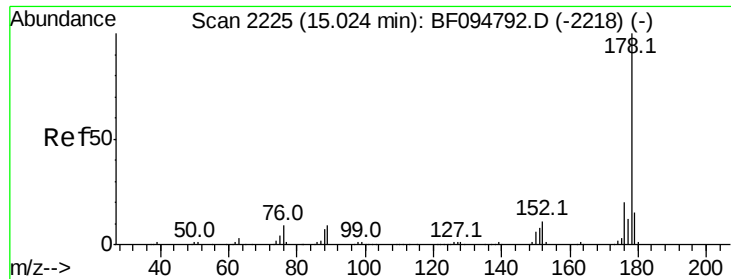
mohammad
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2225
 Delta R.T. 0.04 min
 Lab File: BF095172.D
 Acq: 16 May 2017 23:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	10.6	10.2	15.2





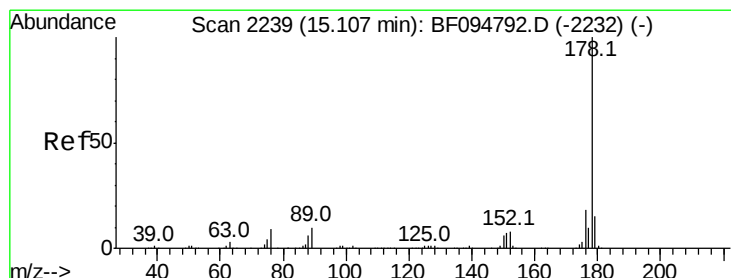
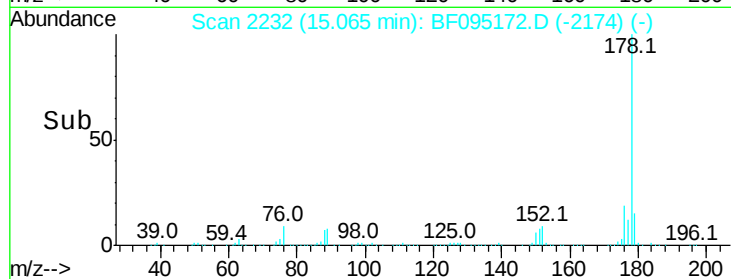
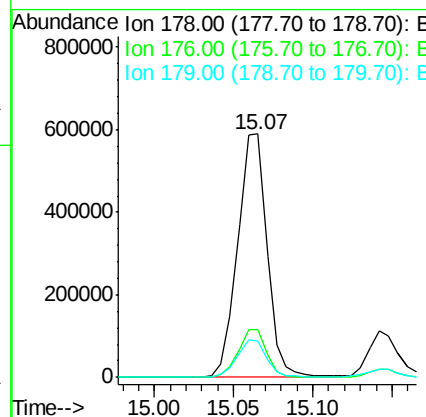
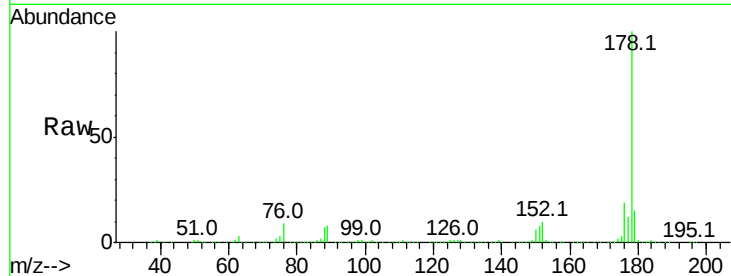
#70
Phenanthrene
Concen: 62.91 ng
RT: 15.07 min Scan# 2232
Delta R.T. 0.04 min
Lab File: BF095172.D
Acq: 16 May 2017 23:43

Instrument :
BNA_F
ClientSampleId :
POSTEX-33-20170515

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.1	12.6	19.0

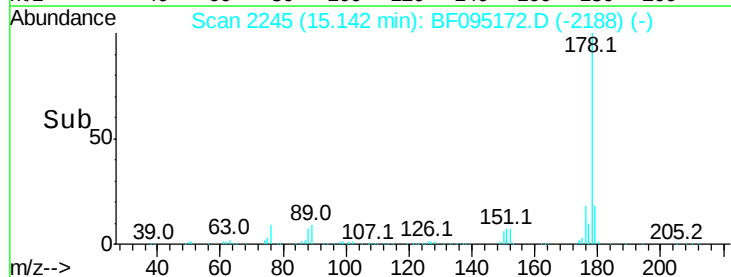
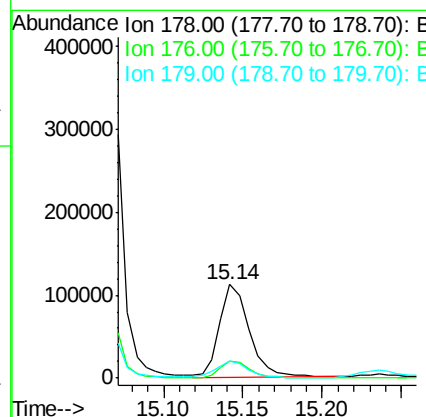
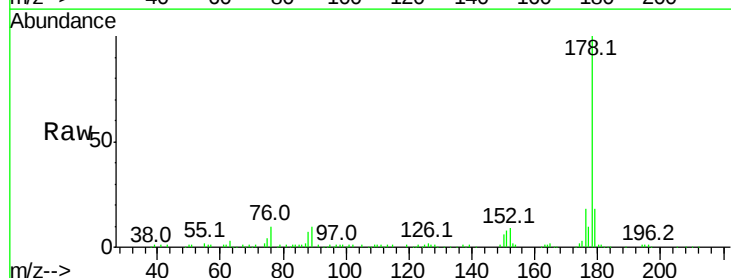
Manual Integrations
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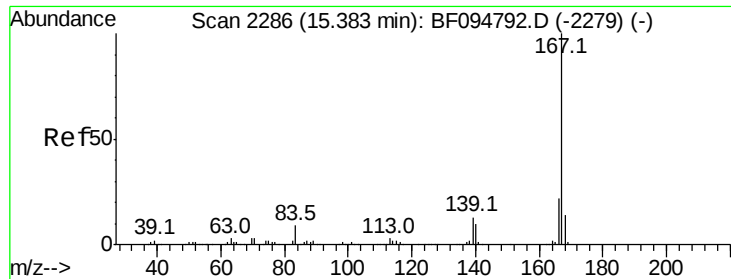
mohammad
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#71
Anthracene
Concen: 11.90 ng
RT: 15.14 min Scan# 2245
Delta R.T. 0.04 min
Lab File: BF095172.D
Acq: 16 May 2017 23:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	18.4	12.7	19.1





#72

Carbazole

Concen: 5.31 ng

RT: 15.43 min Scan# 2294

Delta R.T. 0.05 min

Lab File: BF095172.D

Acq: 16 May 2017 23:43

Instrument :

BNA_F

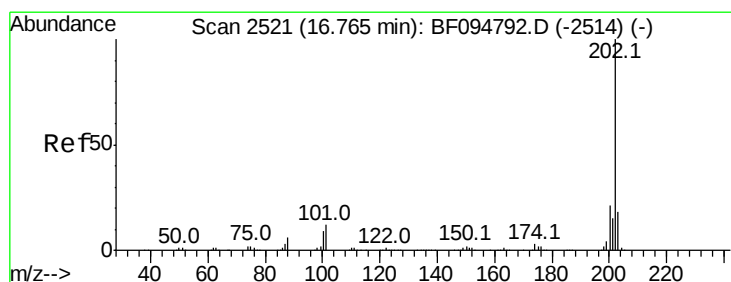
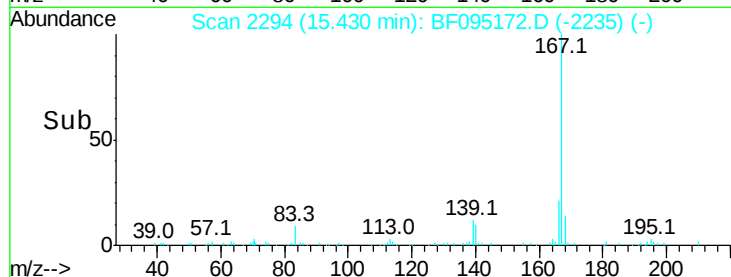
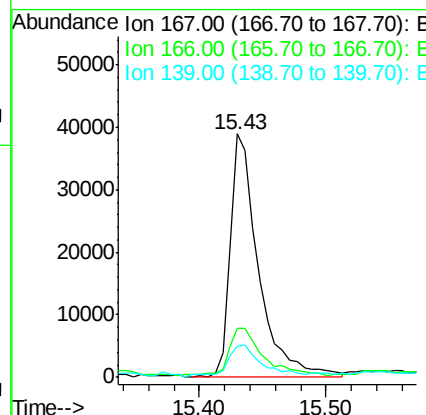
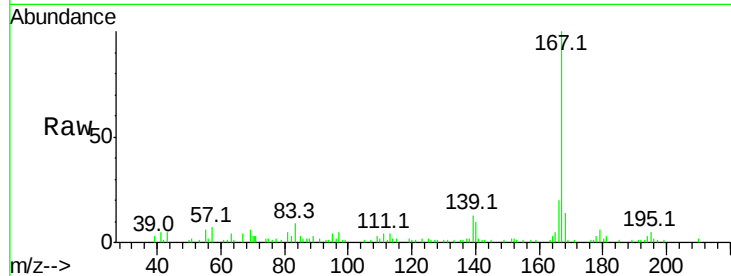
ClientSampleId :

POSTEX-33-20170515

Tot Ion:	167	Resp:	59937
Ion Ratio	Lower	Upper	
167	100		
166	20.4	18.1	27.1
139	12.8	11.7	17.5

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#74

Fluoranthene

Concen: 84.53 ng

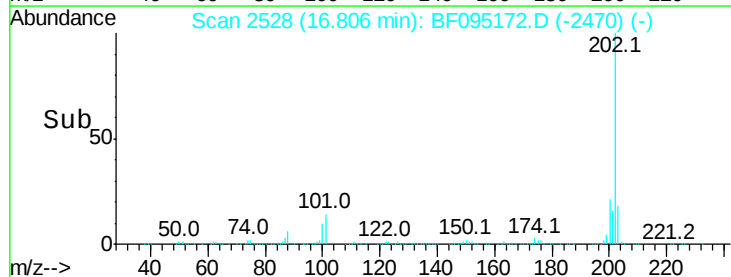
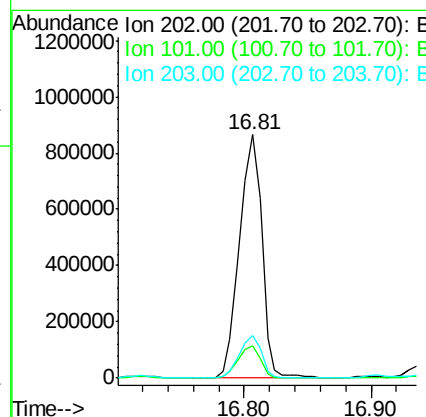
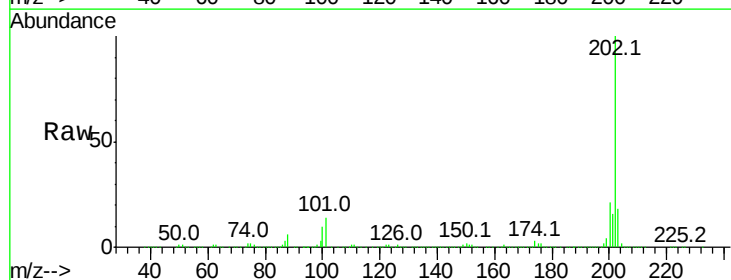
RT: 16.81 min Scan# 2528

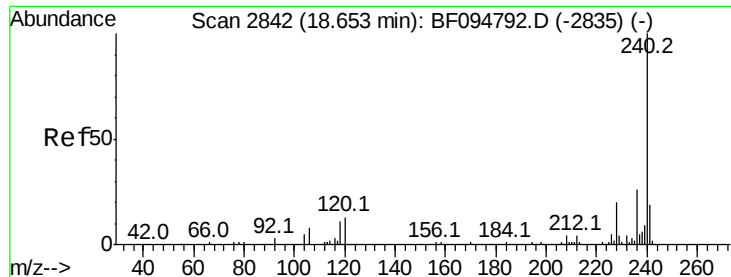
Delta R.T. 0.04 min

Lab File: BF095172.D

Acq: 16 May 2017 23:43

Tgt Ion:	202	Resp:	1053885
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	33.2
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2849

Delta R.T. 0.04 min

Lab File: BF095172.D

Acq: 16 May 2017 23:43

Instrument :

BNA_F

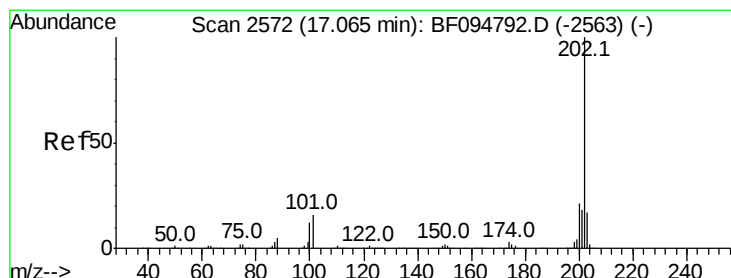
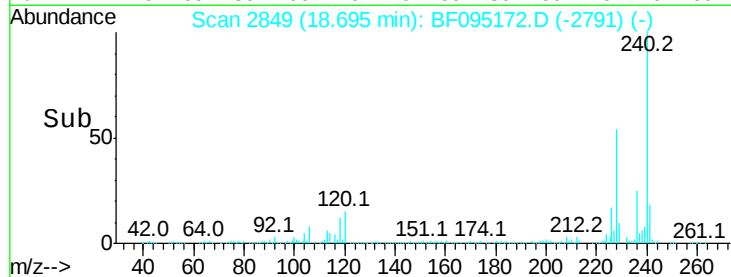
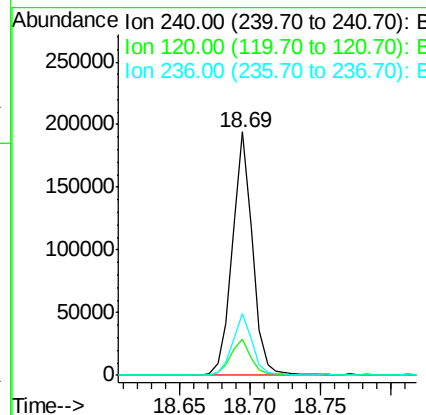
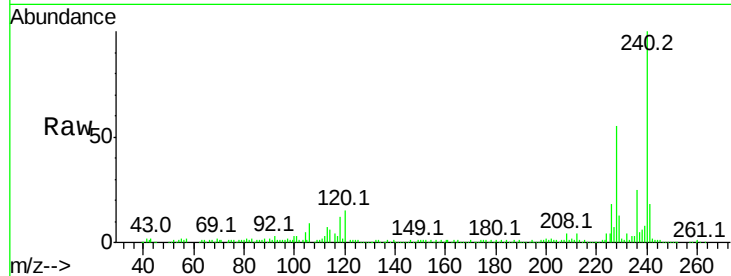
ClientSampleId :

POSTEX-33-20170515

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.8	5.8	8.8#
236	25.3	20.5	30.7

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#77

Pyrene

Concen: 65.28 ng

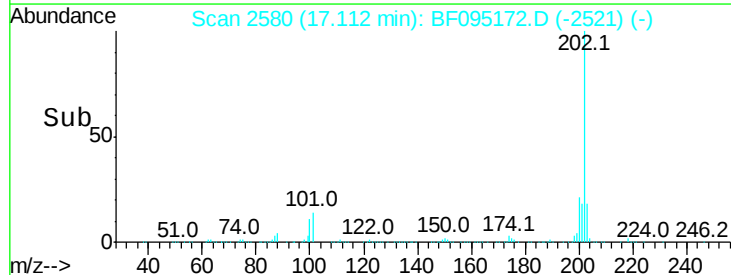
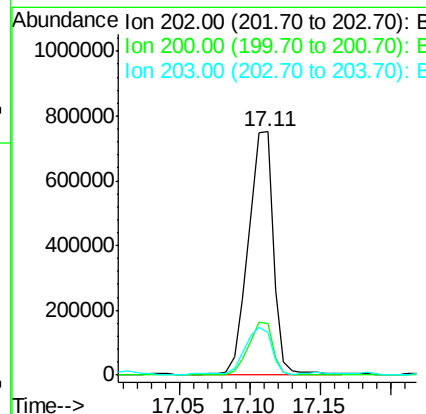
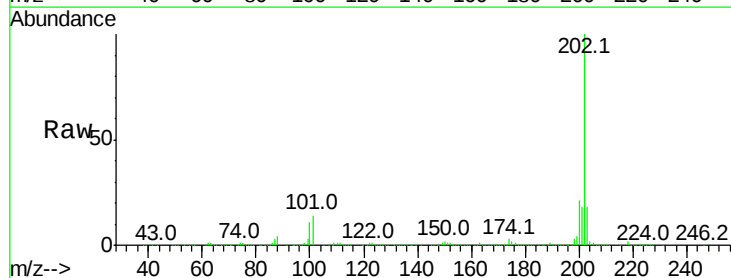
RT: 17.11 min Scan# 2580

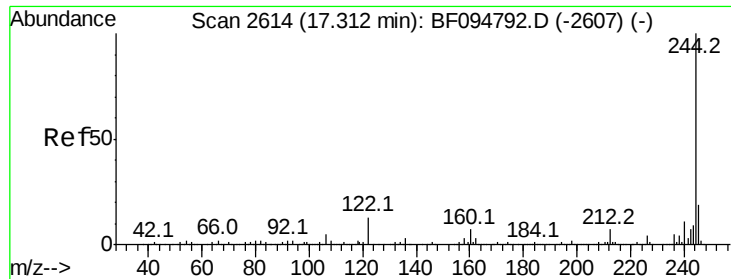
Delta R.T. 0.05 min

Lab File: BF095172.D

Acq: 16 May 2017 23:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	17.7	14.4	21.6





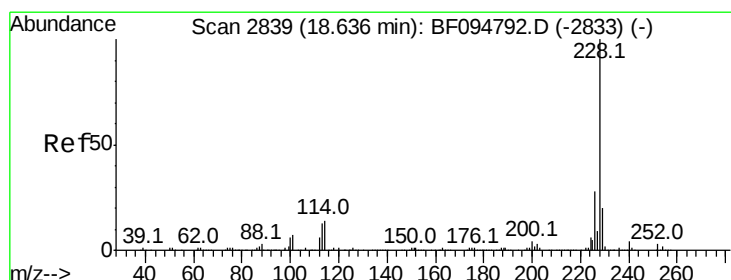
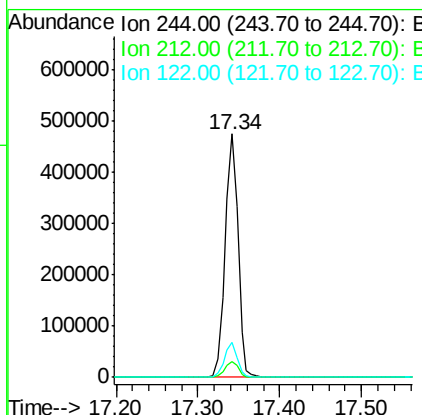
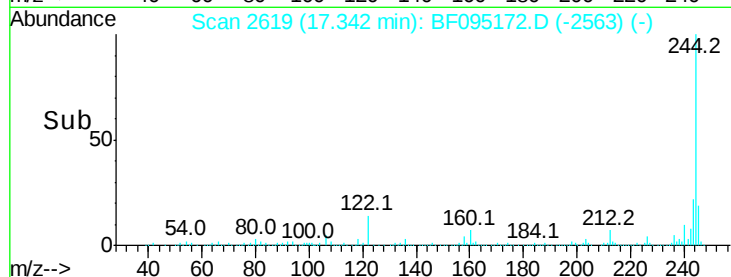
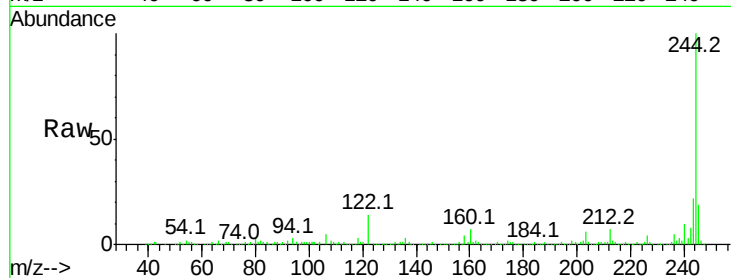
#78
 Terphenyl-d14
 Concen: 59.80 ng
 RT: 17.34 min Scan# 2619
 Delta R.T. 0.03 min
 Lab File: BF095172.D
 Acq: 16 May 2017 23:43

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-33-20170515

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	14.2	10.3	15.5

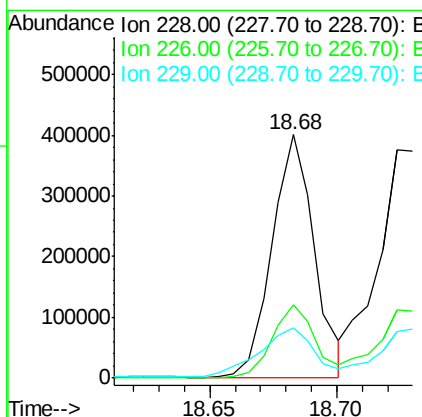
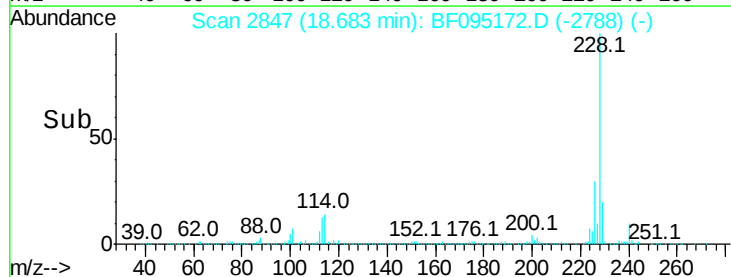
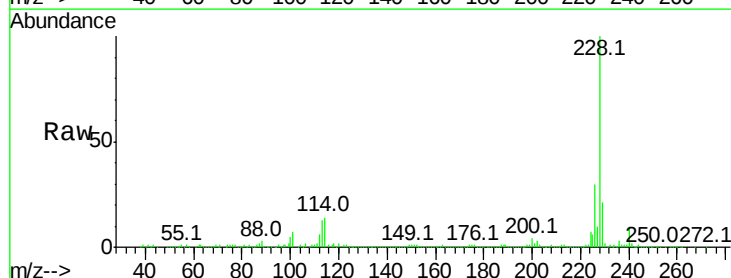
Manual Integrations
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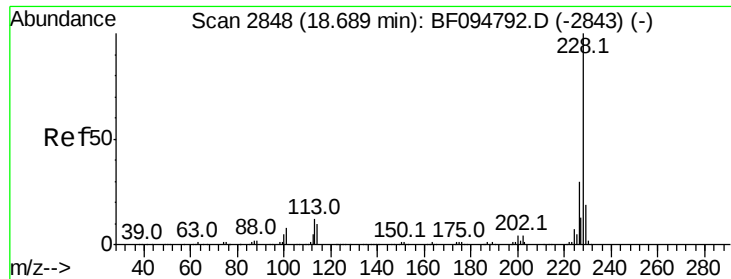
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#80
 Benzo(a)anthracene
 Concen: 41.88 ng
 RT: 18.68 min Scan# 2847
 Delta R.T. 0.05 min
 Lab File: BF095172.D
 Acq: 16 May 2017 23:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	20.7	16.3	24.5





#82

Chrysene

Concen: 46.34 ng

RT: 18.72 min Scan# 2854

Delta R.T. 0.04 min

Lab File: BF095172.D

Acq: 16 May 2017 23:43

Instrument :

BNA_F

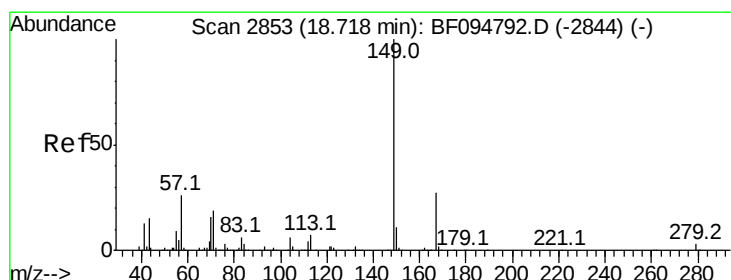
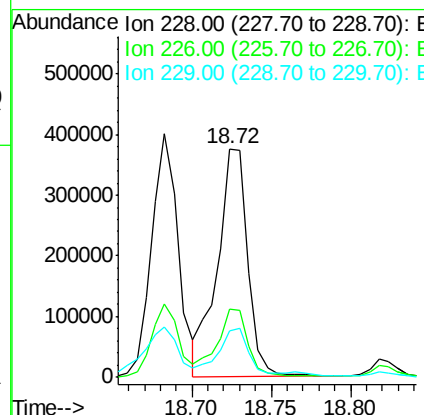
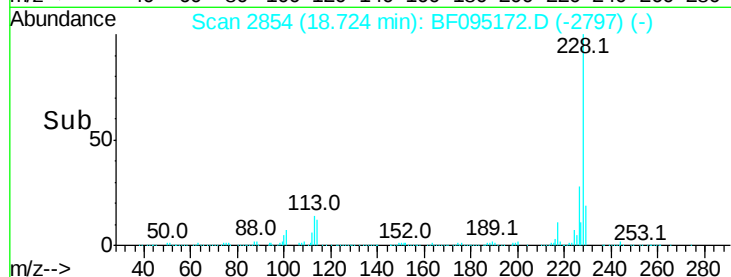
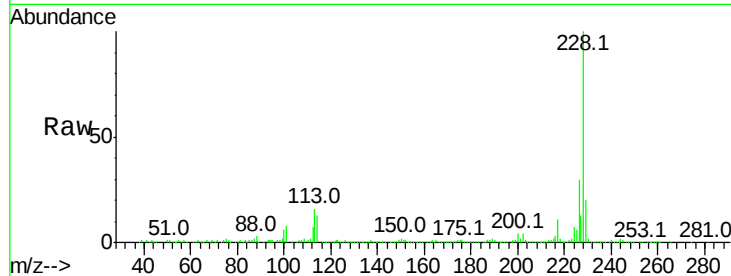
ClientSampleId :

POSTEX-33-20170515

Tot Ion:	228	Resp:	498564
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.9	37.3
229	20.3	15.8	23.6

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#83

Bis(2-ethylhexyl)phthalate

Concen: 4.43 ng

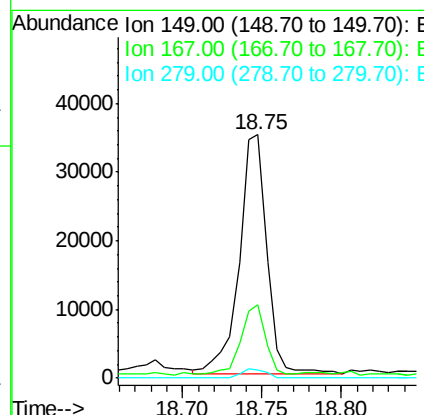
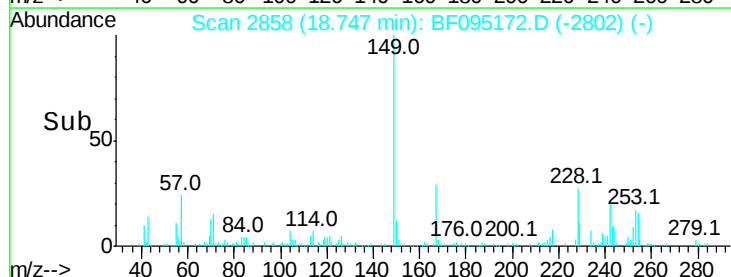
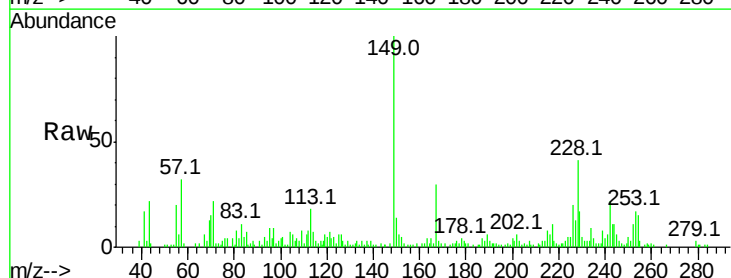
RT: 18.75 min Scan# 2858

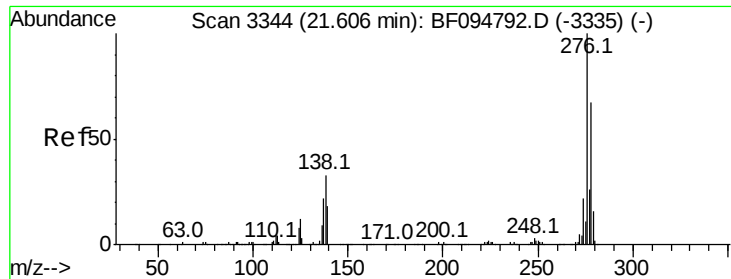
Delta R.T. 0.03 min

Lab File: BF095172.D

Acq: 16 May 2017 23:43

Tgt Ion:	149	Resp:	41945
Ion Ratio	Lower	Upper	
149	100		
167	30.0	21.0	31.4
279	3.1	1.9	2.9#





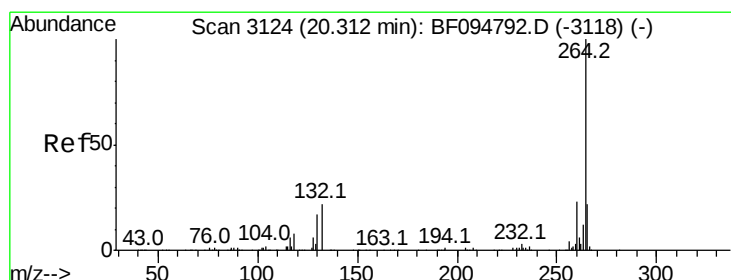
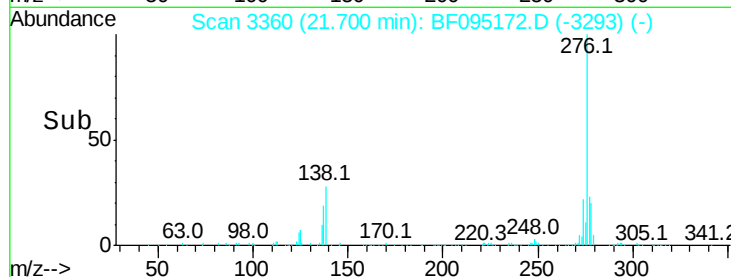
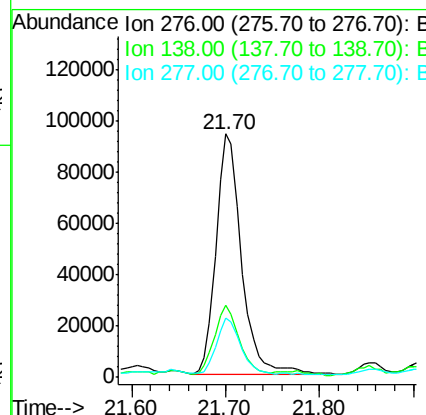
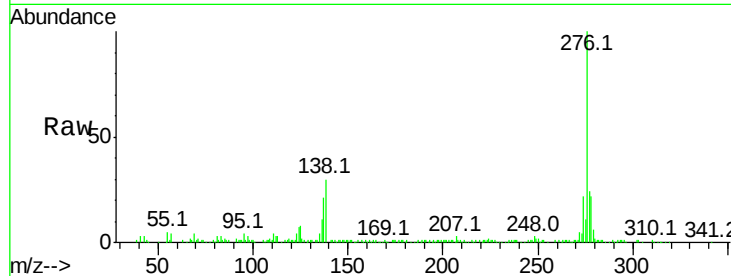
#85
Indeno(1,2,3-cd)pyrene
Concen: 20.29 ng
RT: 21.70 min Scan# 3360
Delta R.T. 0.09 min
Lab File: BF095172.D
Acq: 16 May 2017 23:43

Instrument :
BNA_F
ClientSampleId :
POSTEX-33-20170515

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.0	27.8	41.6
277	22.3	20.2	30.4

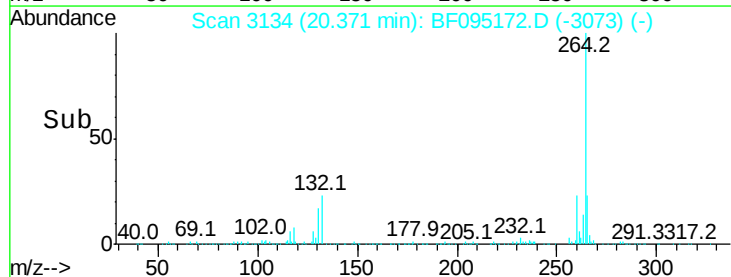
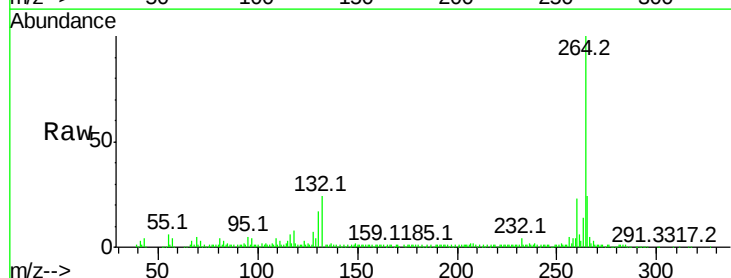
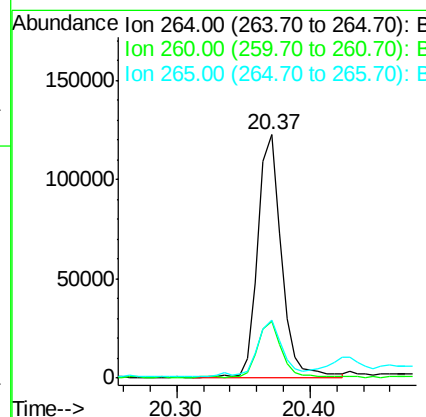
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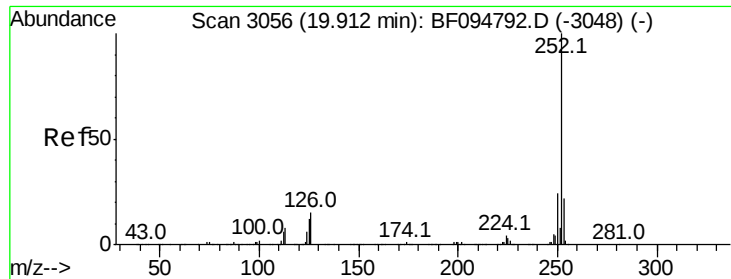
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3134
Delta R.T. 0.06 min
Lab File: BF095172.D
Acq: 16 May 2017 23:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	24.0	17.2	25.8





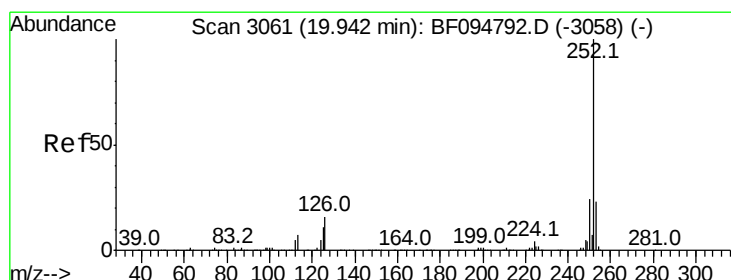
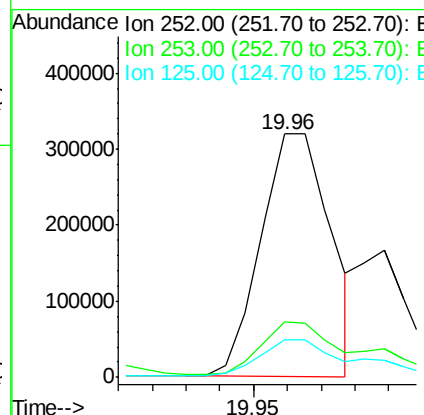
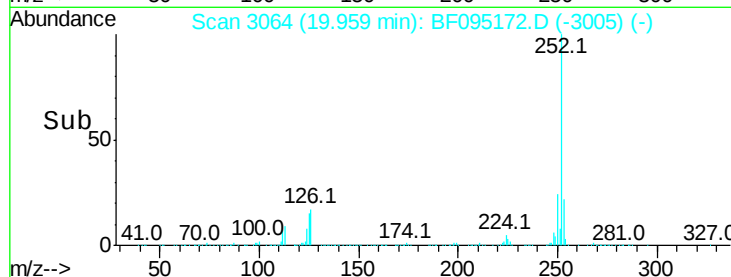
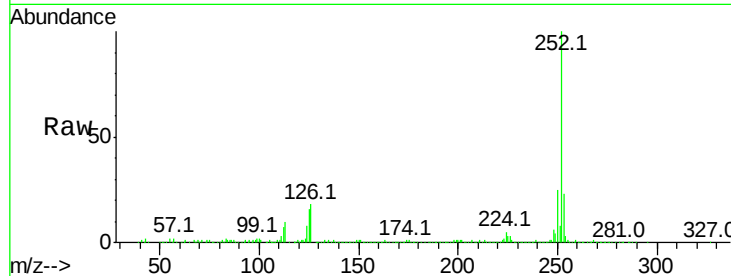
#87
Benzo(b)fluoranthene
Concen: 50.17 ng m
RT: 19.96 min Scan# 3064
Delta R.T. 0.05 min
Lab File: BF095172.D
Acq: 16 May 2017 23:43

Instrument :
BNA_F
ClientSampleId :
POSTEX-33-20170515

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	15.5	9.8	14.8

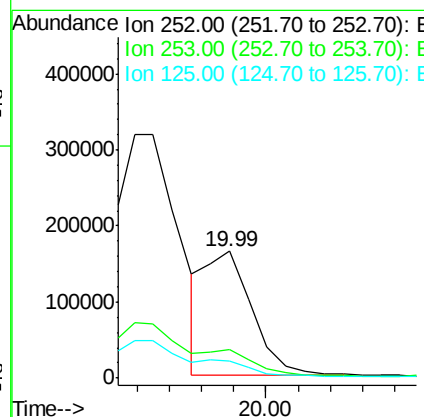
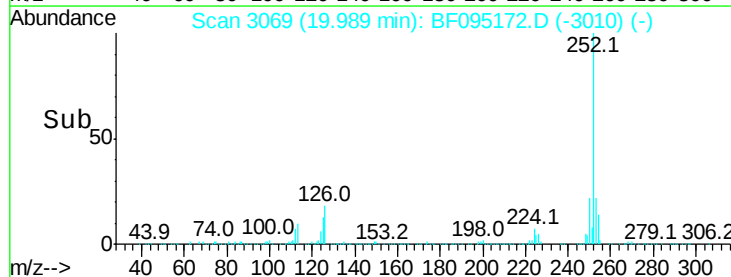
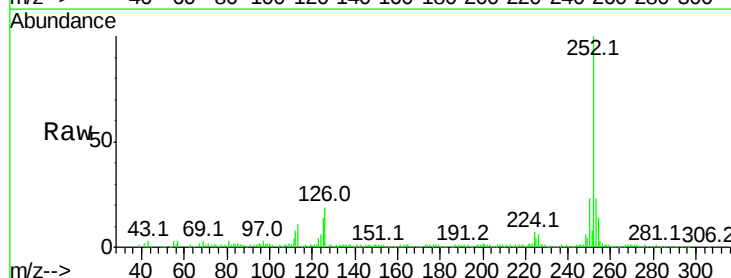
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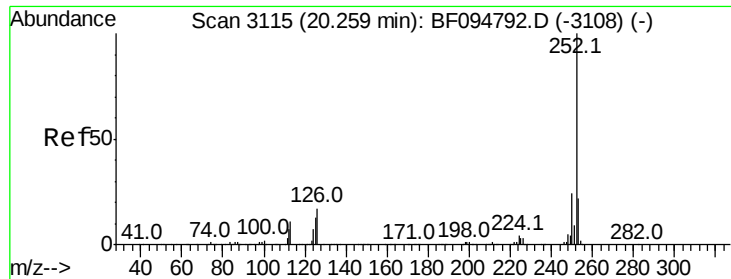
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#88
Benzo(k)fluoranthene
Concen: 18.66 ng m
RT: 19.99 min Scan# 3069
Delta R.T. 0.05 min
Lab File: BF095172.D
Acq: 16 May 2017 23:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	13.9	13.1	19.7





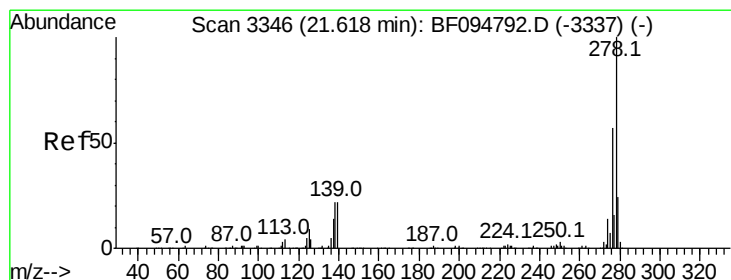
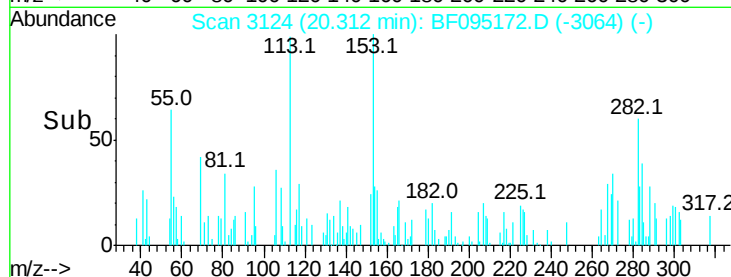
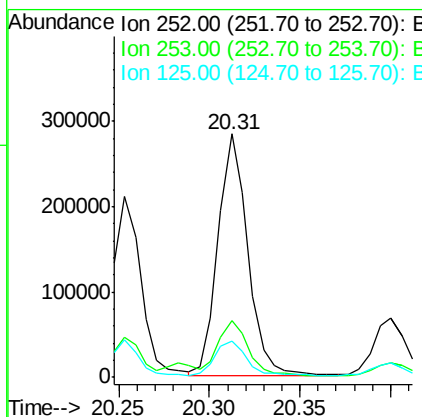
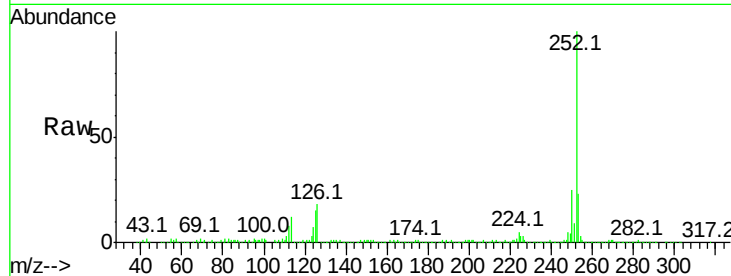
#89
Benzo(a)pyrene
Concen: 38.68 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.05 min
Lab File: BF095172.D
Acq: 16 May 2017 23:43

Instrument :
BNA_F
ClientSampleId :
POSTEX-33-20170515

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	14.8	11.0	16.4

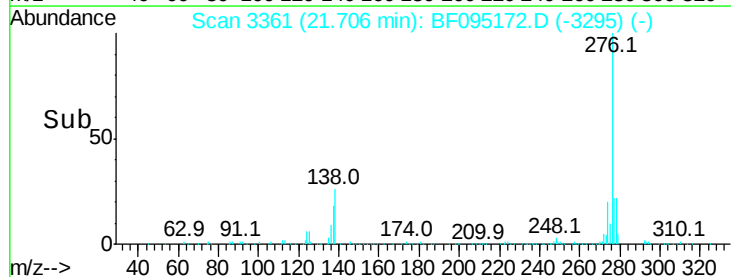
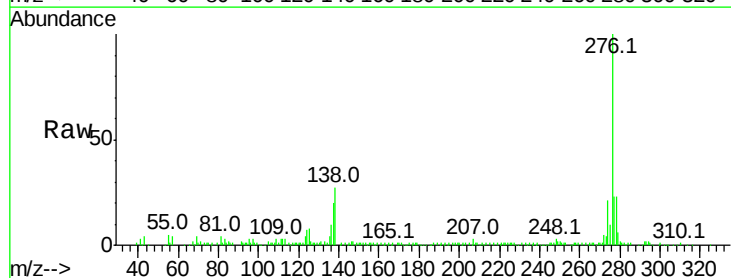
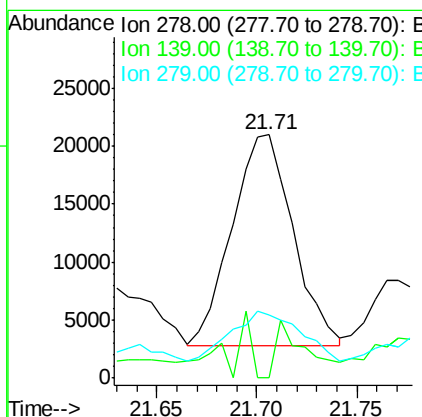
Manual Integrations
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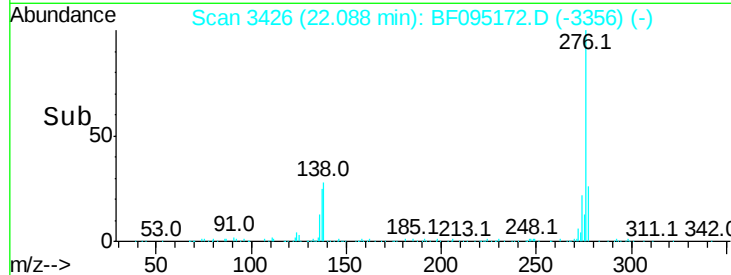
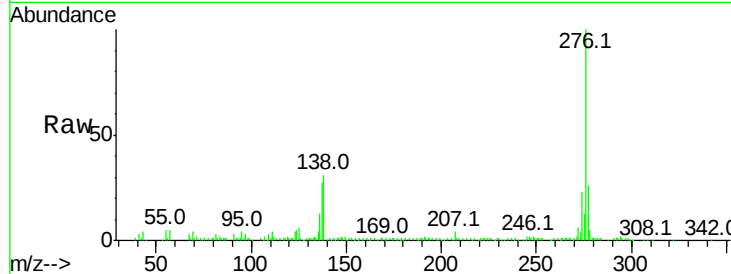
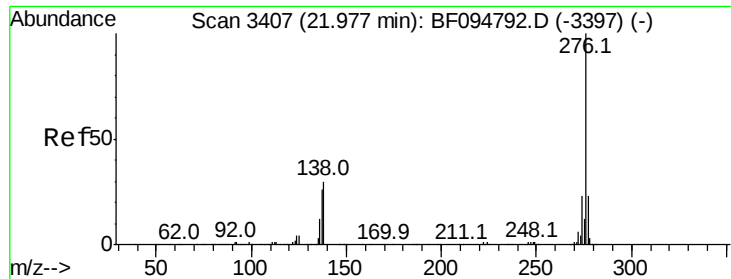
mohammad
5/17/2017 5:49:42 PM



#90
Dibenzo(a,h)anthracene
Concen: 5.54 ng m
RT: 21.71 min Scan# 3361
Delta R.T. 0.09 min
Lab File: BF095172.D
Acq: 16 May 2017 23:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	25.9	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 24.84 ng

RT: 22.09 min Scan# 3426

Delta R.T. 0.11 min

Lab File: BF095172.D

Acq: 16 May 2017 23:43

Instrument :

BNA_F

ClientSampleId :

POSTEX-33-20170515

Tot Ion:	276	Resp:	169890
Ion Ratio	Lower	Upper	
276	100		
277	25.9	18.6	28.0
138	30.9	25.4	38.0

Manual Integrations
APPROVED

mohammad
5/17/2017 5:49:42 PM

