

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097784.D
 Acq On : 17 Aug 2017 12:52
 Operator : SJ/JU
 Sample : I4797-07 10X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-K10-BASE

Manual Integrations
 APPROVED

Sohil
 8/17/2017 5:58:29 PM

Quant Time: Aug 17 15:35:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	153600	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	558783	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	225515	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	333754	20.00	ng	0.00
75) Chrysene-d12	13.93	240	298965	20.00	ng	0.00
86) Perylene-d12	15.36	264	236863	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	67241	6.66	ng	-0.01
7) Phenol-d6	6.40	99	93975	6.85	ng	-0.01
23) Nitrobenzene-d5	7.33	82	53339	5.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	6838	3.49	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	95902	6.25	ng	0.00
78) Terphenyl-d14	12.88	244	51943	3.62	ng	-0.01
Target Compounds						
70) Phenanthrene	11.32	178	52535	2.954	ng	100
74) Fluoranthene	12.50	202	91042	4.904	ng	97
77) Pyrene	12.73	202	87729	3.588	ng	97
80) Benzo(a)anthracene	13.92	228	46864	2.615	ng	97
82) Chrysene	13.96	228	38397	2.154	ng	96
87) Benzo(b)fluoranthene	14.95	252	50543m	3.385	ng	
89) Benzo(a)pyrene	15.30	252	33118	2.506	ng	95

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

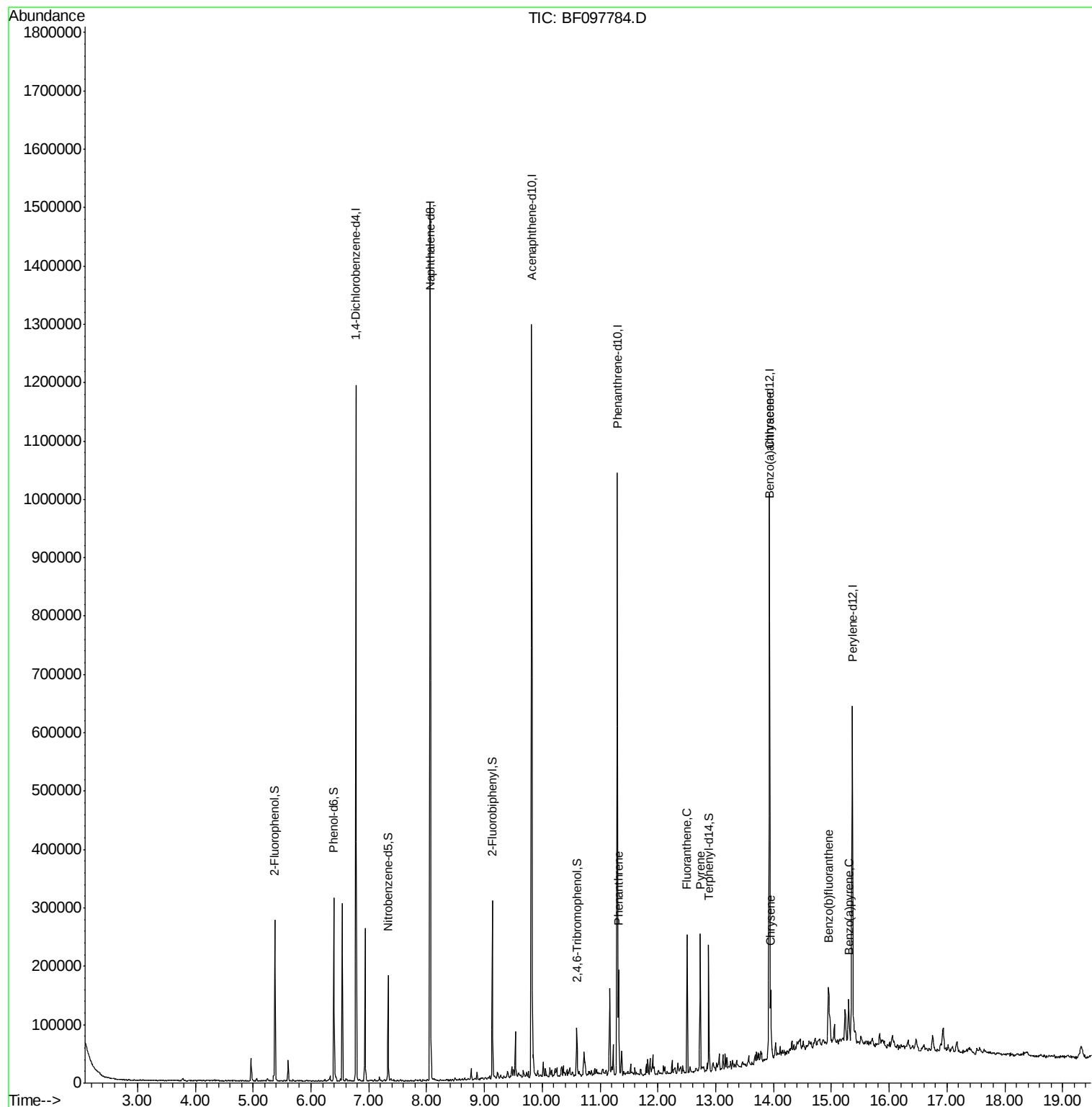
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097784.D
Acq On : 17 Aug 2017 12:52
Operator : SJ/JU
Sample : I4797-07 10X
Misc :
ALS Vial : 50 Sample Multiplier: 1

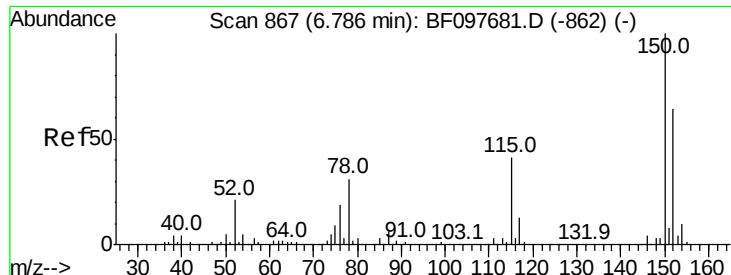
Instrument :
BNA_F
ClientSampleId :
E2-K10-BASE

Manual Integrations
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8/17/2017 5:58:29 PM

Quant Time: Aug 17 15:35:31 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration





#1

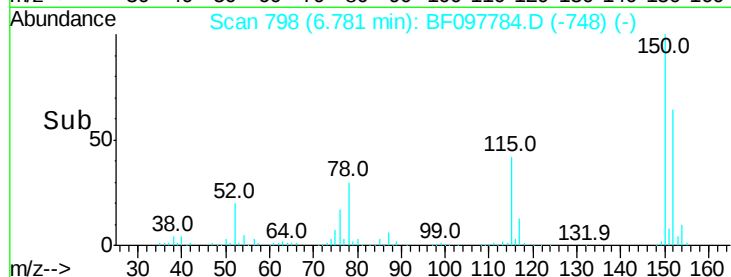
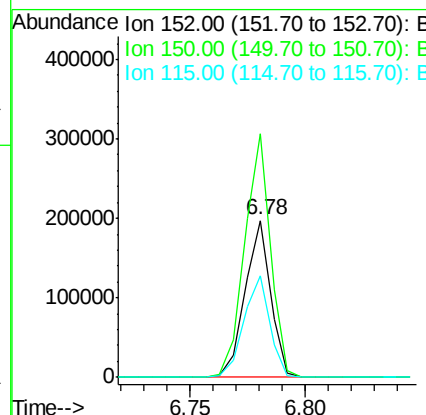
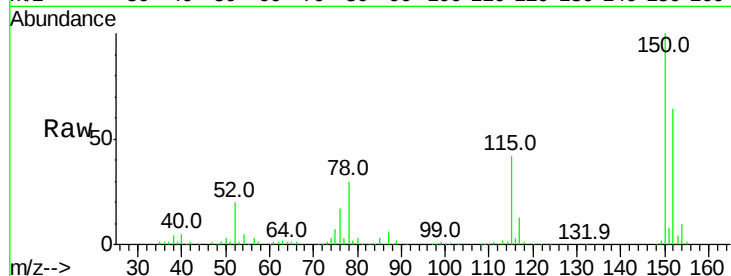
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097784.D
Acq: 17 Aug 2017 12:52

Instrument :
BNA_F
ClientSampleId :
E2-K10-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.2	189.2
115	64.8	52.2	78.2

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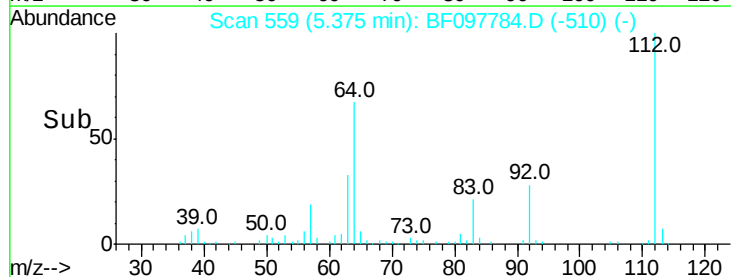
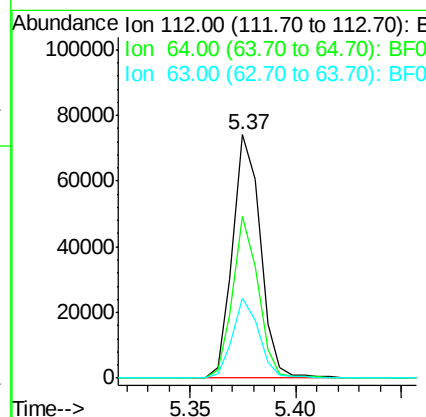
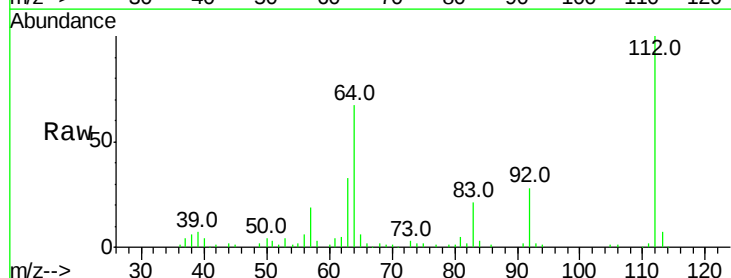
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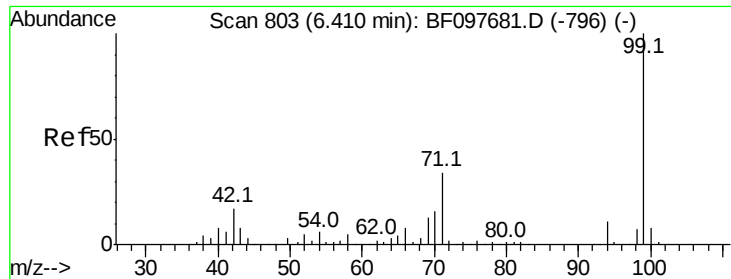


#5

2-Fluorophenol
Concen: 6.659 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097784.D
Acq: 17 Aug 2017 12:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	46.0	69.0
63	32.7	23.4	35.0





#7

Phenol-d6

Concen: 6.849 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097784.D

Acq: 17 Aug 2017 12:52

Instrument :

BNA_F

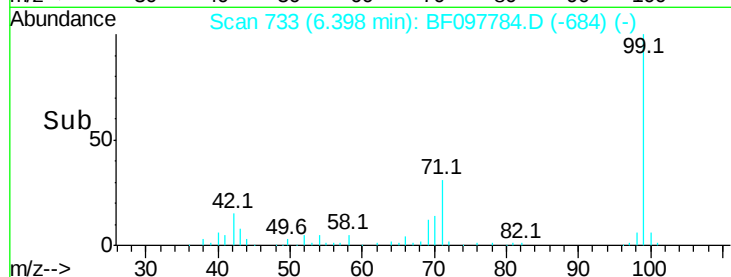
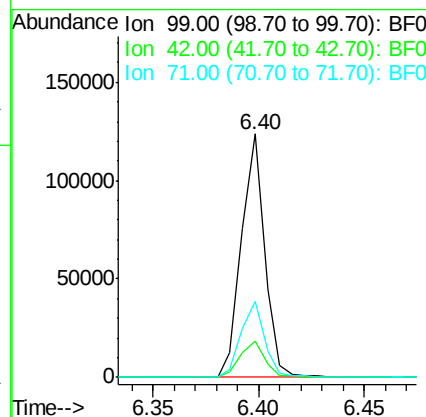
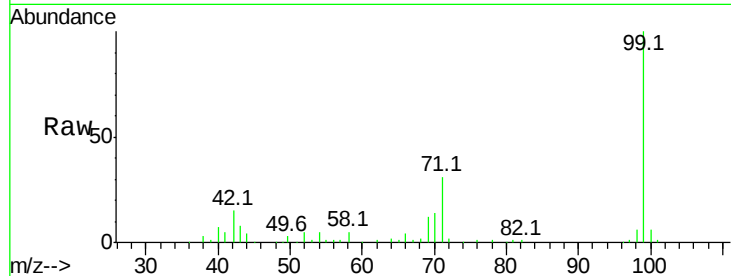
ClientSampleId :

E2-K10-BASE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	99	100	93975		
42	42	15.0		13.5	20.3
71	71	31.1		24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

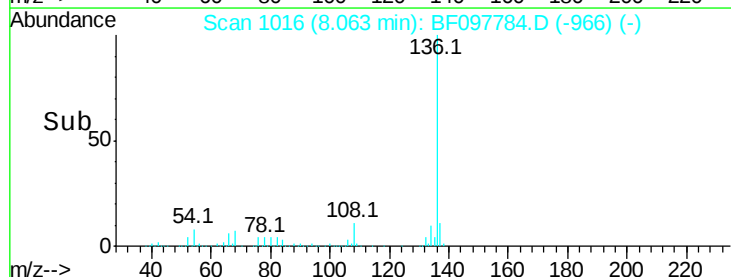
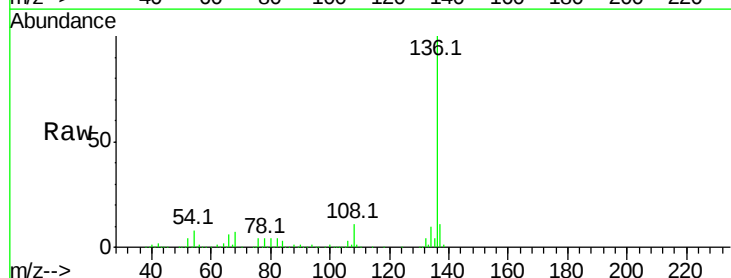
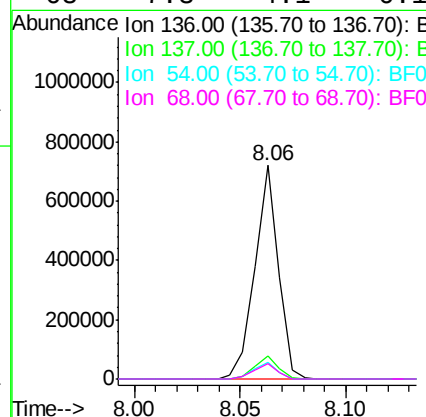
RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097784.D

Acq: 17 Aug 2017 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	136	100	558783		
137	137	10.8		8.5	12.7
54	54	7.9		4.9	7.3#
68	68	7.3		4.1	6.1#





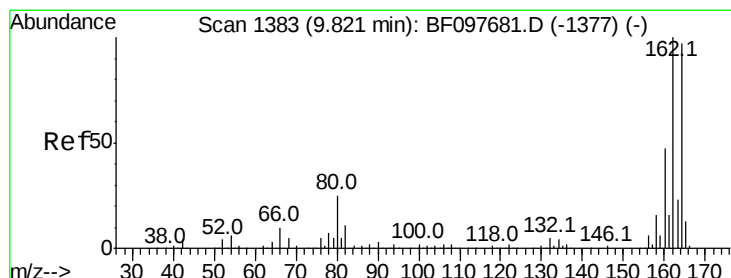
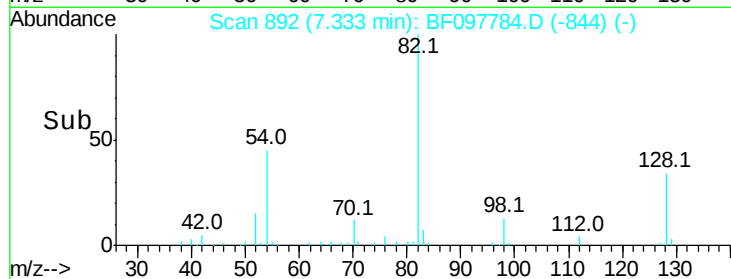
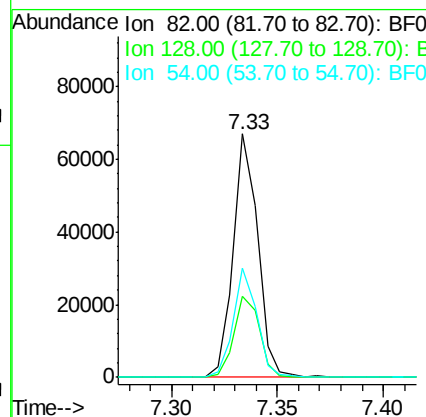
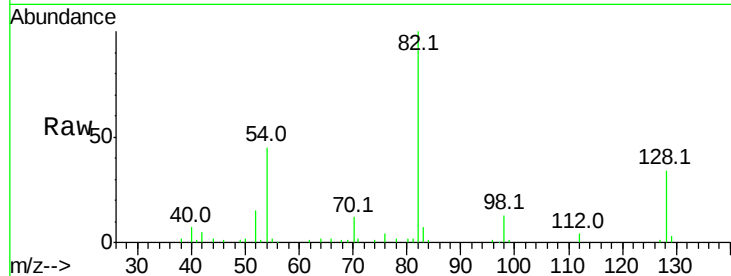
#23
 Nitrobenzene-d5
 Concen: 5.186 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF097784.D
 Acq: 17 Aug 2017 12:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-K10-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.5	34.0	51.0#
54	44.6	42.2	63.2

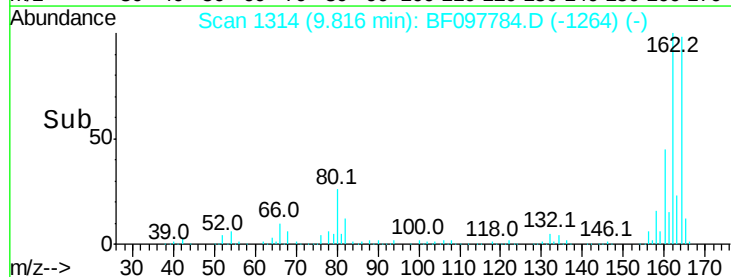
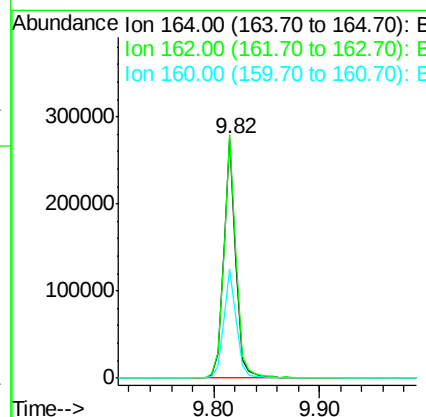
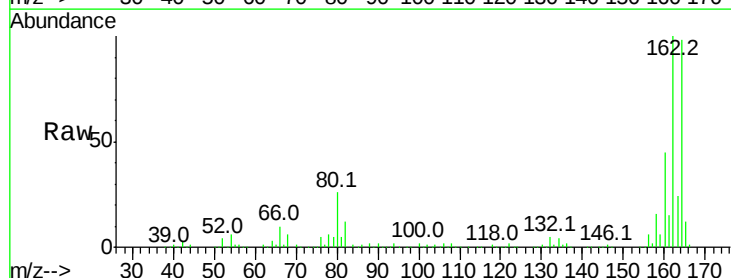
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF097784.D
 Acq: 17 Aug 2017 12:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.6	123.8
160	45.7	36.2	54.2





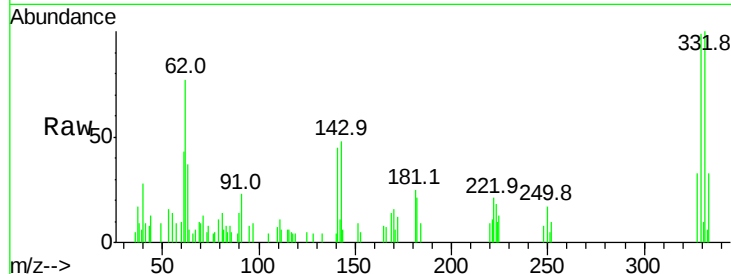
#41
 2,4,6-Tribromophenol
 Concen: 3.495 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097784.D
 Acq: 17 Aug 2017 12:52

Instrument :
 BNA_F
 ClientSampled :
 E2-K10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	6838		
332	93.9	76.6	115.0	
141	49.8	31.4	47.2#	

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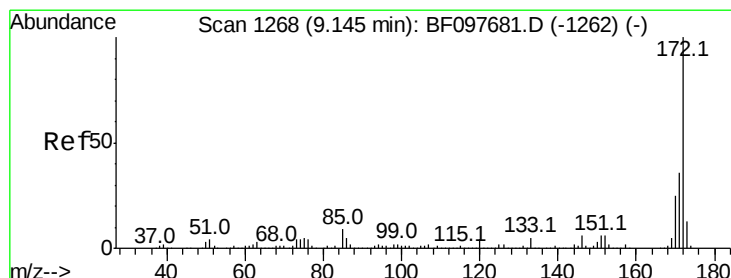
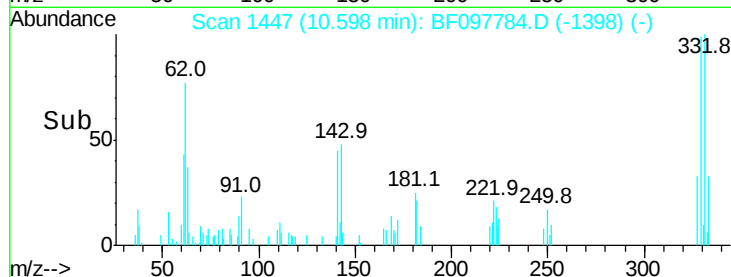
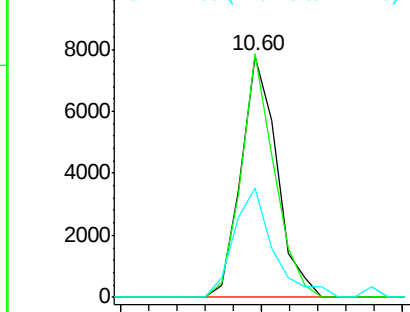


Abundance

Ion 329.80 (329.50 to 330.50): E

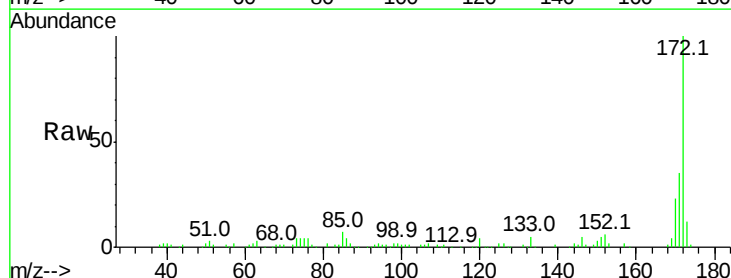
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 6.248 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097784.D
 Acq: 17 Aug 2017 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	95902		
171	34.8	29.6	44.4	
170	23.4	19.8	29.8	

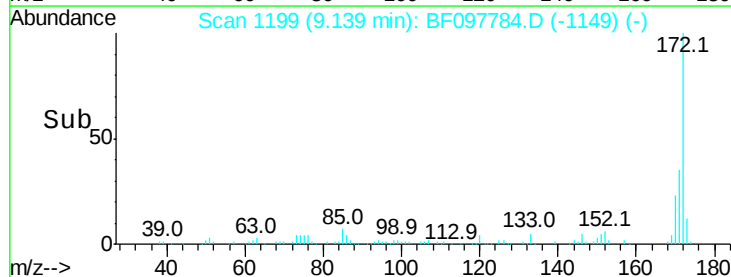
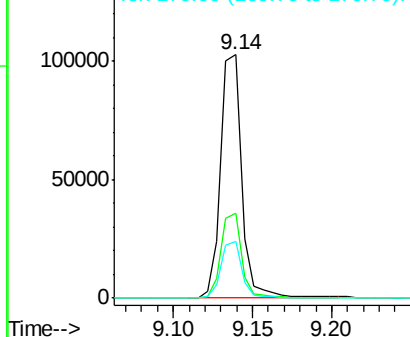


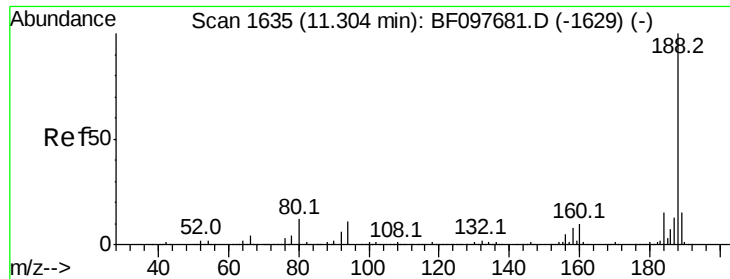
Abundance

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF097784.D

Acq: 17 Aug 2017 12:52

Instrument :

BNA_F

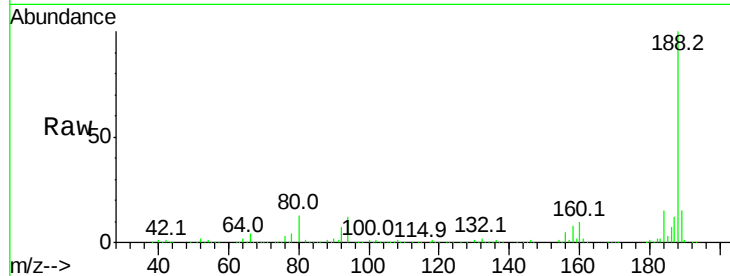
ClientSampleId :

E2-K10-BASE

Tot Ion:	188	Resp:	333754
Ion Ratio	Lower	Upper	
188	100		
94	11.7	9.4	14.2
80	13.1	10.2	15.2

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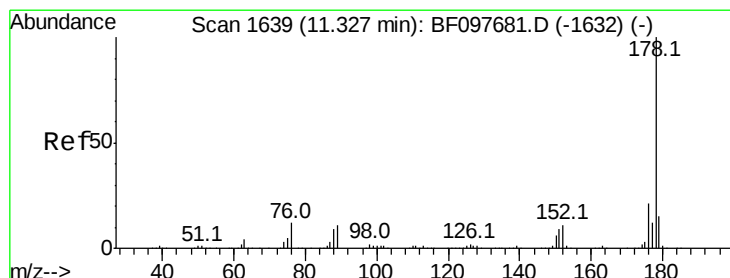
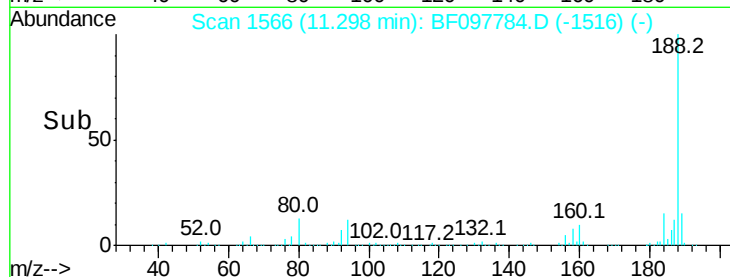
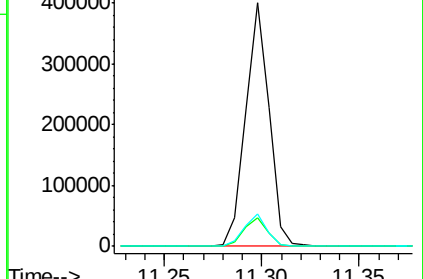
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 2.954 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF097784.D

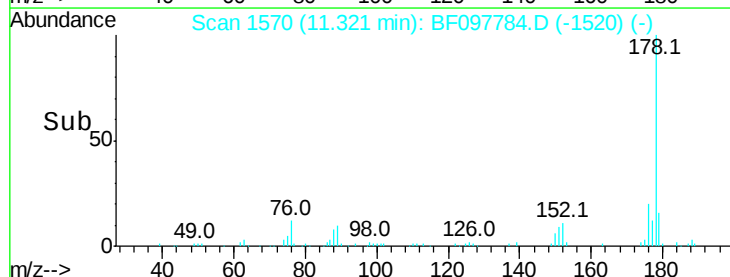
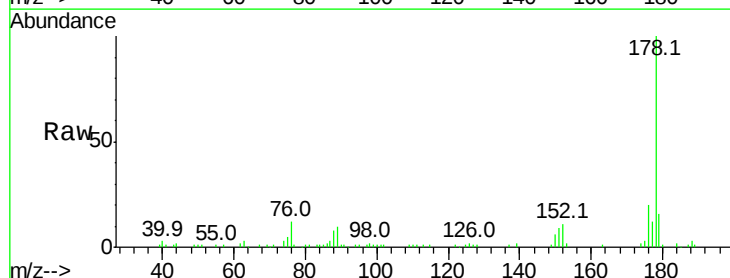
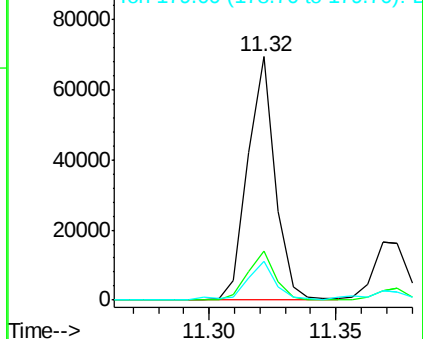
Acq: 17 Aug 2017 12:52

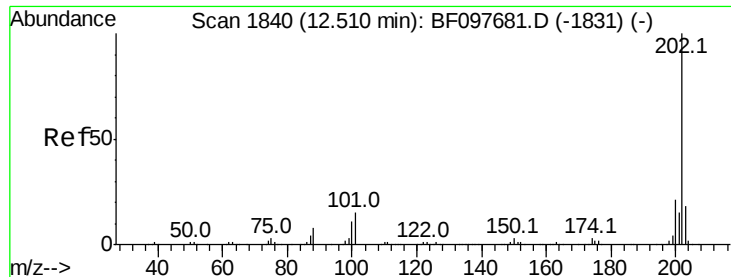
Tgt Ion:	178	Resp:	52535
Ion Ratio	Lower	Upper	
178	100		
176	20.4	16.2	24.4
179	15.7	12.6	19.0

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





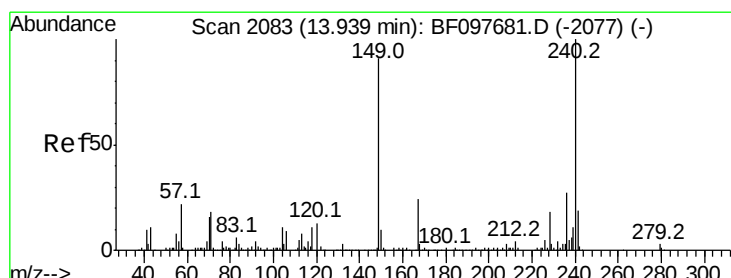
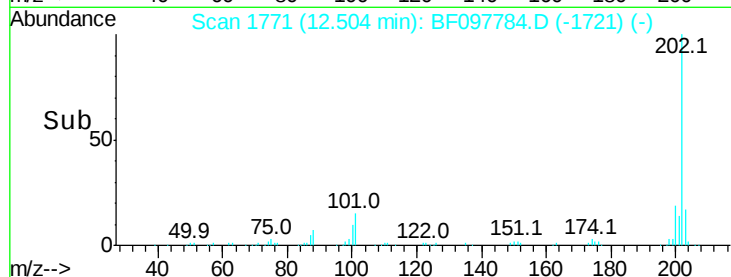
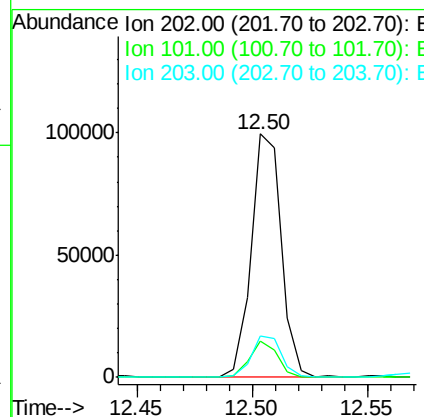
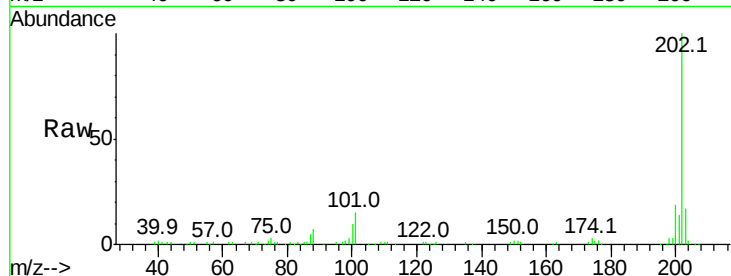
#74
 Fluoranthene
 Concen: 4.904 ng
 RT: 12.50 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF097784.D
 Acq: 17 Aug 2017 12:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-K10-BASE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.8	0.0	33.2
203	17.2	0.0	38.1

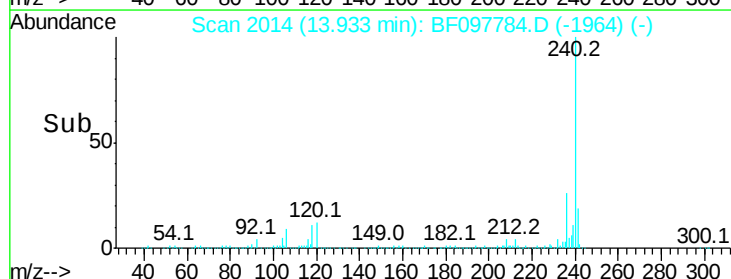
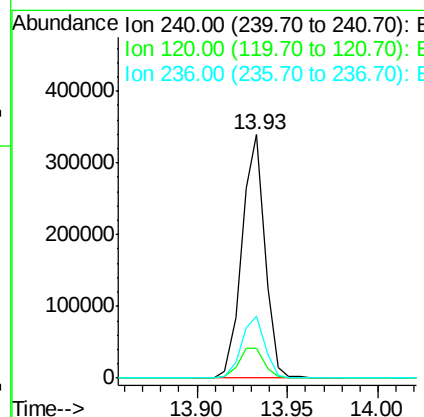
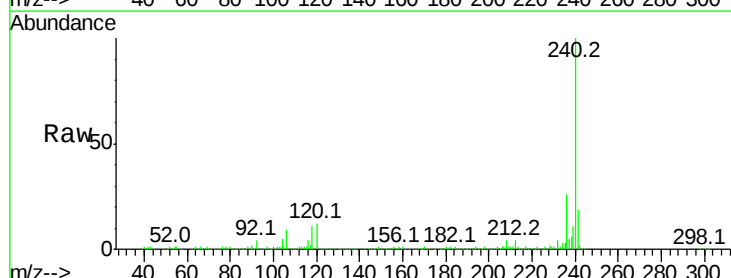
Manual Integrations
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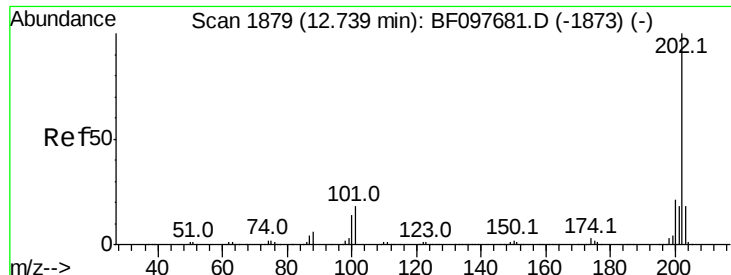
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF097784.D
 Acq: 17 Aug 2017 12:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.2	5.8	8.8#
236	25.7	20.5	30.7





#77

Pvrene

Concen: 3.588 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097784.D

Acq: 17 Aug 2017 12:52

Instrument :

BNA_F

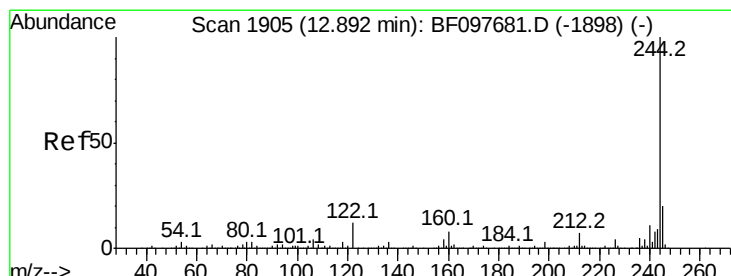
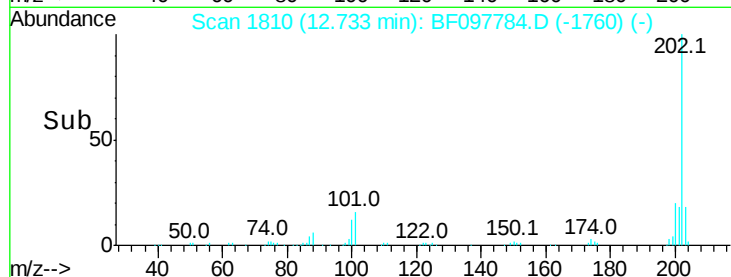
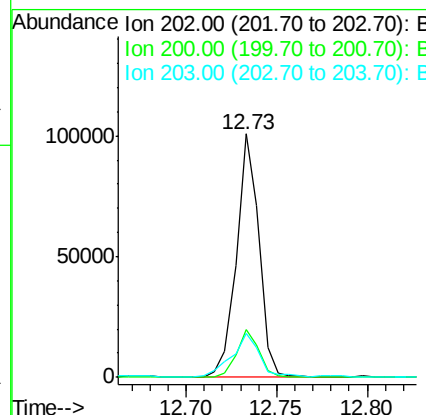
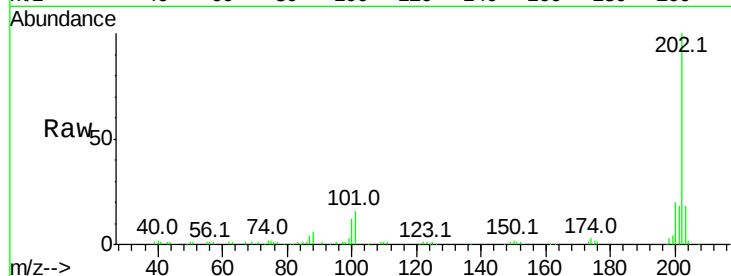
ClientSampled :

E2-K10-BASE

Tot Ion:	202	Resp:	87729
Ion Ratio	Lower	Upper	
202	100		
200	19.9	17.6	26.4
203	18.1	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 3.623 ng

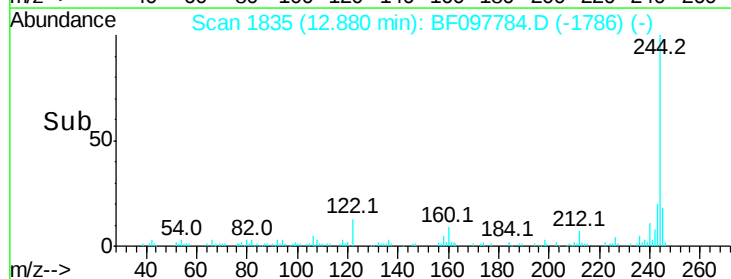
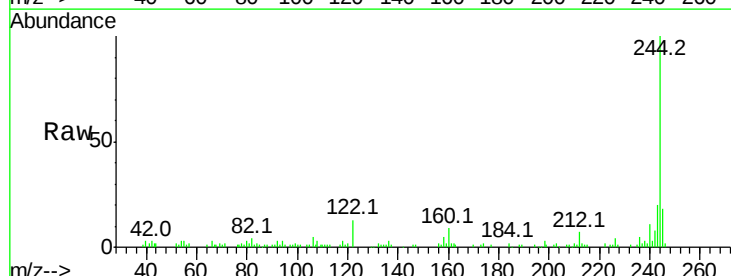
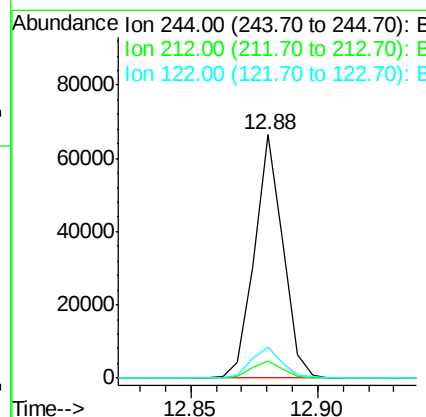
RT: 12.88 min Scan# 1835

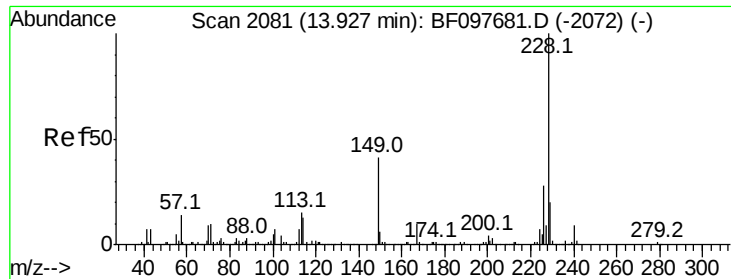
Delta R.T. -0.01 min

Lab File: BF097784.D

Acq: 17 Aug 2017 12:52

Tgt Ion:	244	Resp:	51943
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	12.8	10.3	15.5





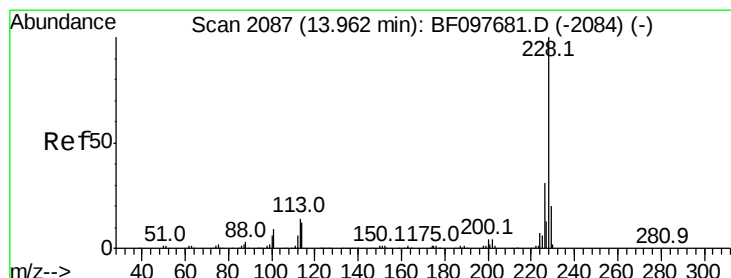
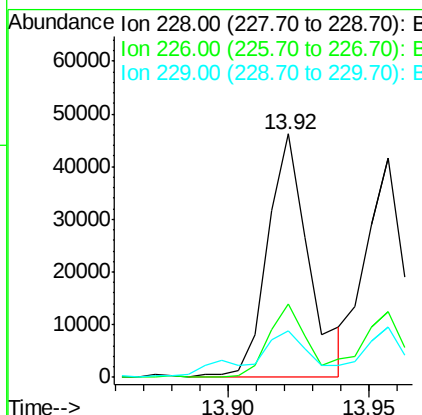
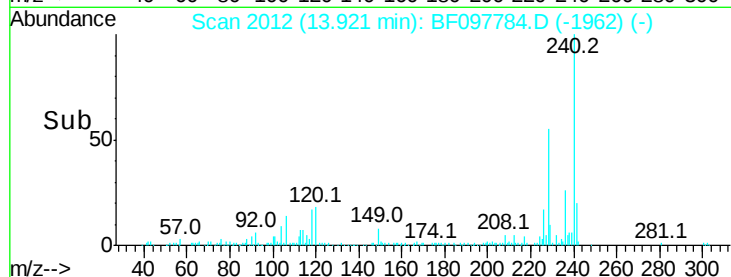
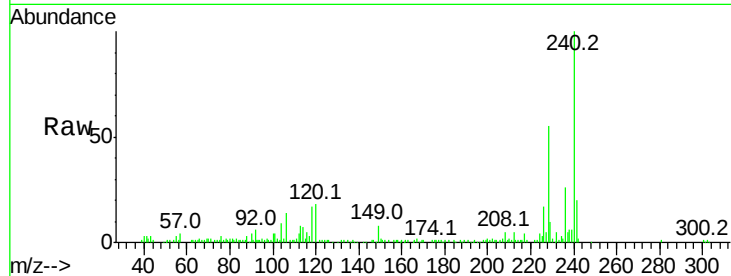
#80
Benzo(a)anthracene
Concen: 2.615 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097784.D
Acq: 17 Aug 2017 12:52

Instrument :
BNA_F
ClientSampleId :
E2-K10-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	18.9	16.3	24.5

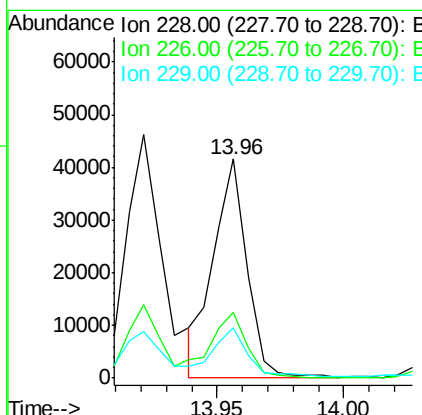
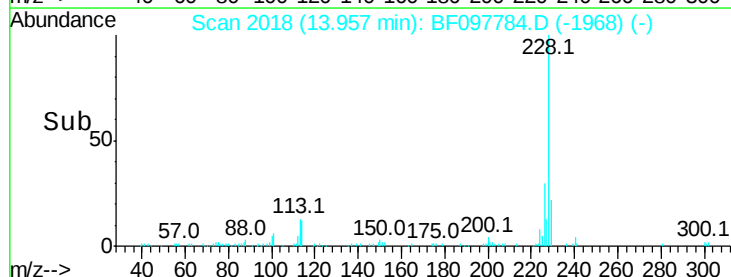
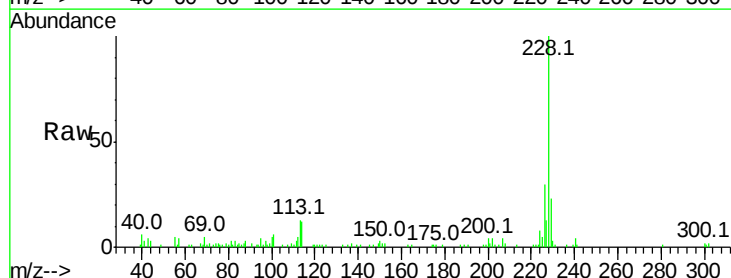
Manual Integrations
APPROVED

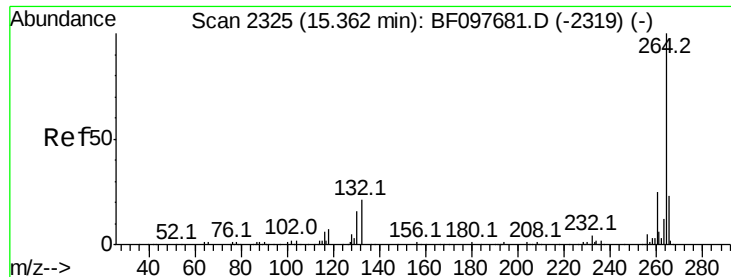
Sohil
8/17/2017 5:58:29 PM



#82
Chrysene
Concen: 2.154 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF097784.D
Acq: 17 Aug 2017 12:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	23.2	15.8	23.6





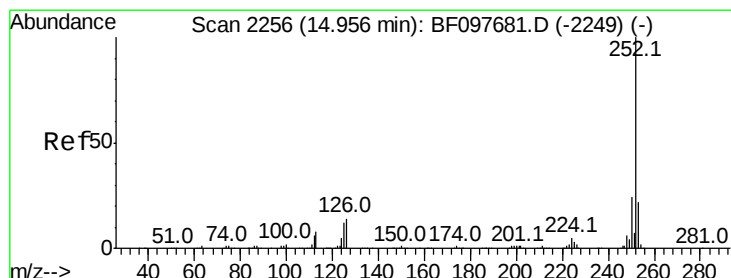
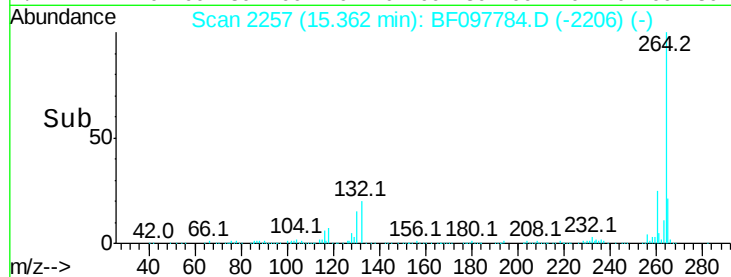
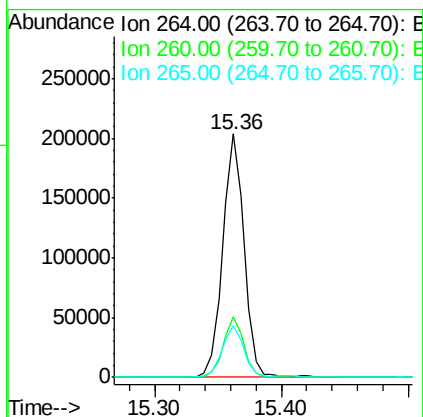
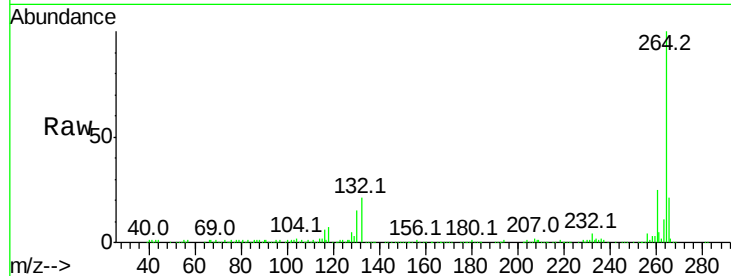
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097784.D
Acq: 17 Aug 2017 12:52

Instrument :
BNA_F
ClientSampleId :
E2-K10-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.5	29.3
265	21.0	17.2	25.8

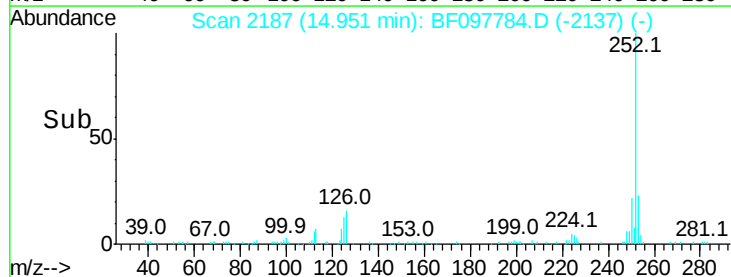
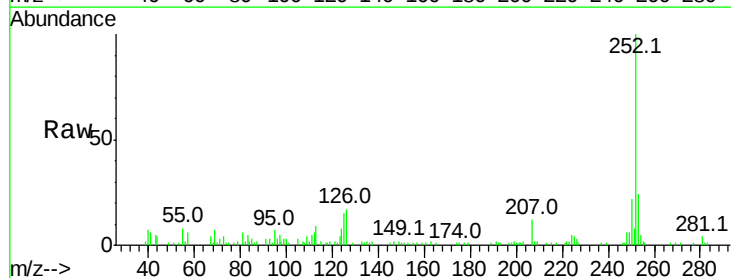
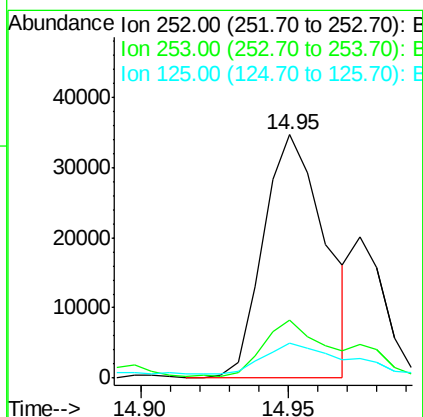
Manual Integrations
APPROVED

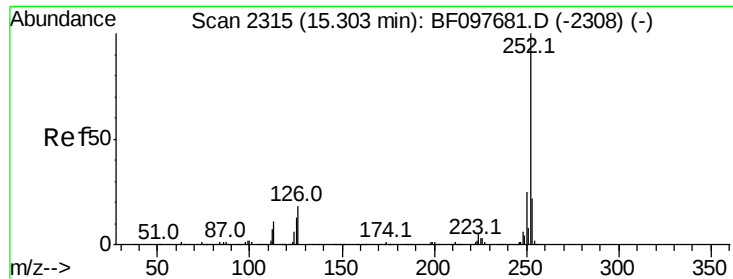
Sohil
8/17/2017 5:58:29 PM



#87
Benzo(b)fluoranthene
Concen: 3.385 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097784.D
Acq: 17 Aug 2017 12:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	14.5	9.8	14.8





#89

Benzo(a)pyrene

Concen: 2.506 ng

RT: 15.30 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BF097784.D

Acq: 17 Aug 2017 12:52

Instrument :

BNA_F

ClientSampleId :

E2-K10-BASE

Tot Ion:	252	Resp:	33118
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.5	26.3
125	13.5	11.0	16.4

Manual Integrations
APPROVED

Sohil
8/17/2017 5:58:29 PM

