

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
 Data File : BF080265.D
 Acq On : 1 Jul 2015 8:50
 Operator : TP/IZ
 Sample : G2831-05 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3(0-2)

Manual Integrations
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Quant Time: Jul 01 13:58:40 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 23 00:53:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	33768	20.00	ng	-0.05
21) Naphthalene-d8	8.57	136	139774	20.00	ng	-0.05
38) Acenaphthene-d10	10.34	164	72172	20.00	ng	-0.05
63) Phenanthrene-d10	11.86	188	145347	20.00	ng	-0.05
75) Chrysene-d12	14.92	240	164023	20.00	ng	-0.08
86) Perylene-d12	16.86	264	162890	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.90	112	56149	29.43	ng	-0.03
7) Phenol-d6	6.89	99	76558	30.16	ng	-0.03
23) Nitrobenzene-d5	7.84	82	45906	19.12	ng	-0.03
41) 2,4,6-Tribromophenol	11.14	330	16584	23.50	ng	-0.03
44) 2-Fluorobiphenyl	9.65	172	88453	17.48	ng	-0.05
78) Terphenyl-d14	13.59	244	98165	13.98	ng	-0.08
Target Compounds						Qvalue
70) Phenanthrene	11.89	178	147486	16.76	ng	98
71) Anthracene	11.93	178	41662	4.92	ng	97
74) Fluoranthene	13.18	202	294247	31.40	ng	89
77) Pyrene	13.44	202	272005	26.93	ng	97
80) Benzo(a)anthracene	14.91	228	152706	15.28	ng	97
82) Chrysene	14.95	228	126503	13.73	ng	91
85) Indeno(1,2,3-cd)pyrene	18.70	276	68978	5.94	ng	# 86
87) Benzo(b)fluoranthene	16.32	252	170576m	17.30	ng	
88) Benzo(k)fluoranthene	16.36	252	54500m	5.43	ng	
89) Benzo(a)pyrene	16.78	252	115262m	12.31	ng	
91) Benzo(g,h,i)perylene	19.25	276	66172	6.84	ng	# 79

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

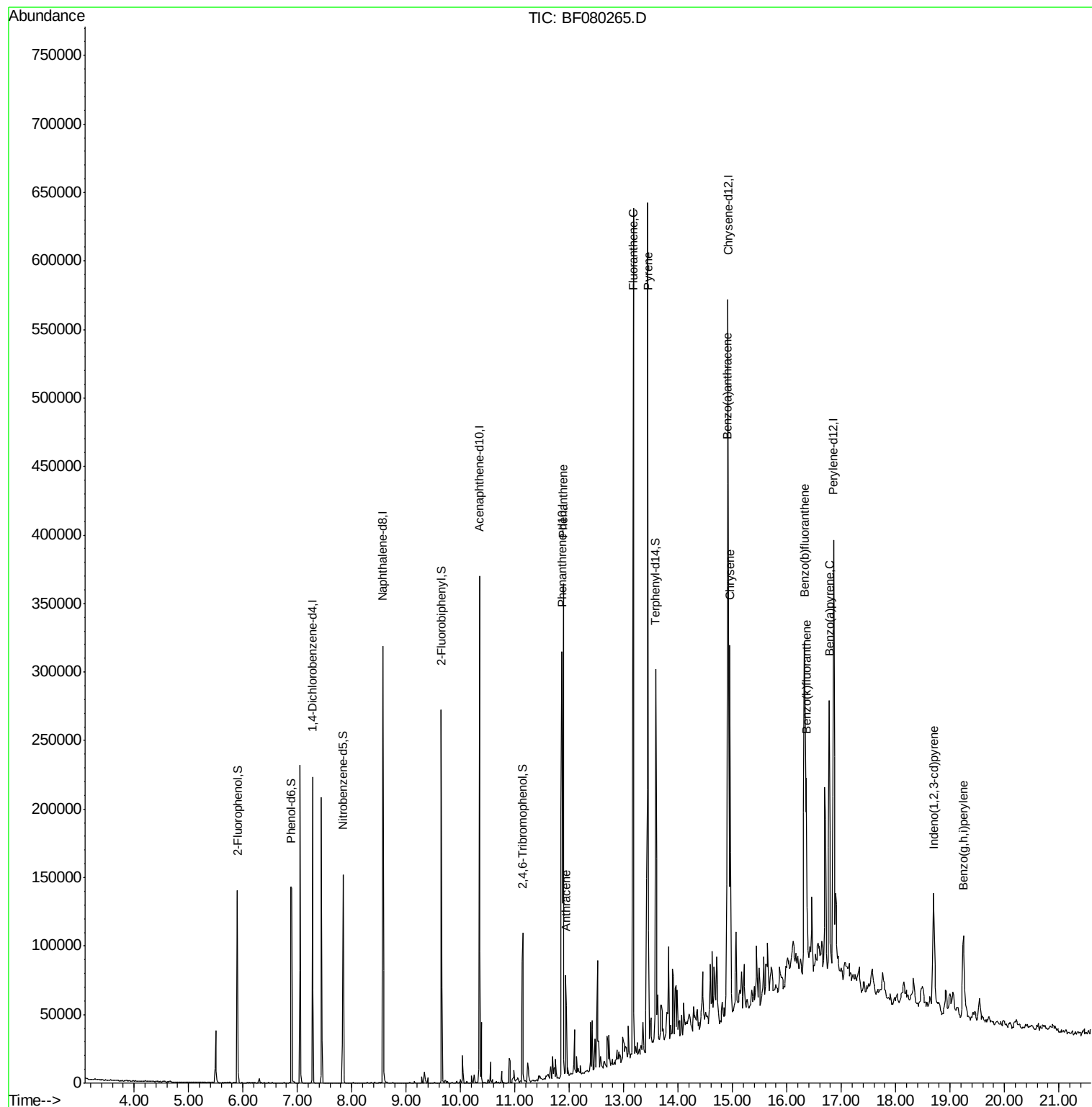
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080265.D
Acq On : 1 Jul 2015 8:50
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Misc :
ALS Vial : 33 Sample Multiplier: 1

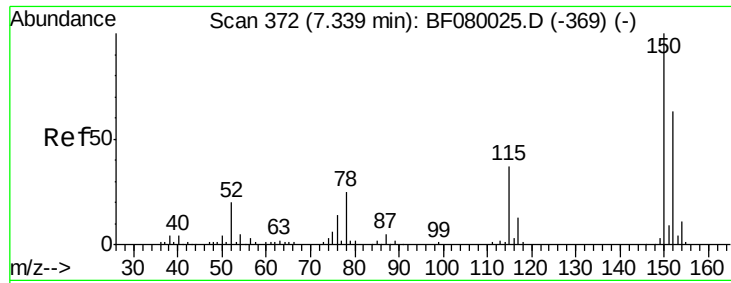
Instrument :
BNA_F
ClientSampleId :
SP-3(0-2)

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Quant Time: Jul 01 13:58:40 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 23 00:53:56 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.28 min Scan# 367

Delta R.T. -0.05 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Instrument :

BNA_F

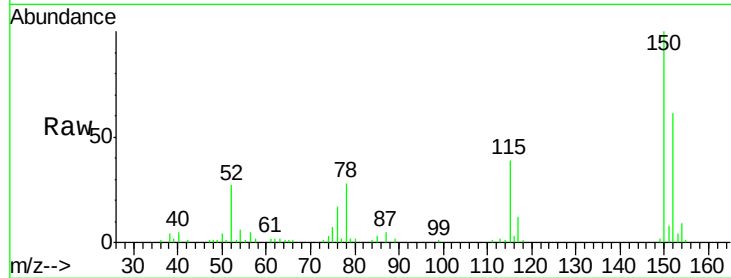
ClientSampleId :

SP-3(0-2)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	165.0	124.7	187.1
115	64.5	39.0	58.4

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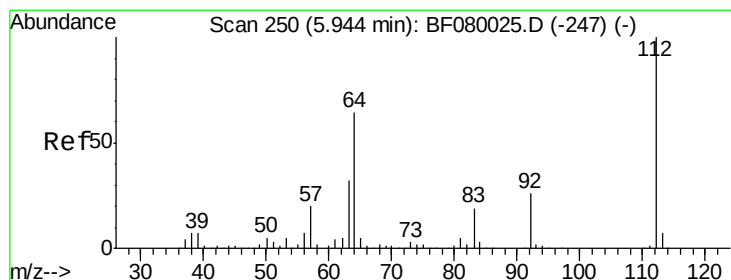
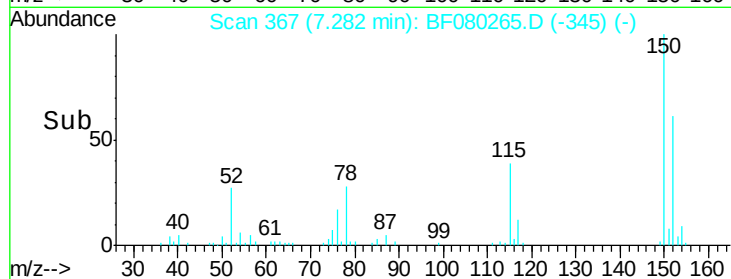
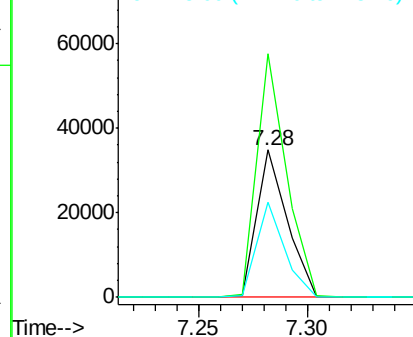


Abundance

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: 29.43 ng

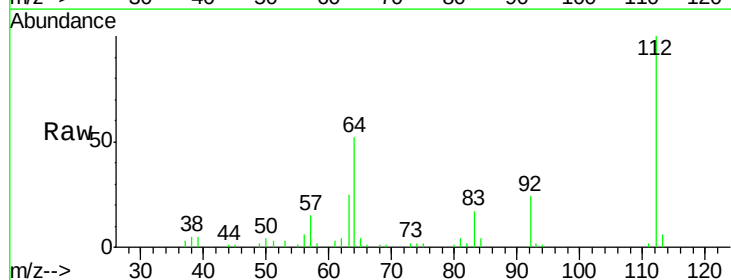
RT: 5.90 min Scan# 246

Delta R.T. -0.03 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.5	39.7	59.5
63	25.2	17.4	26.0

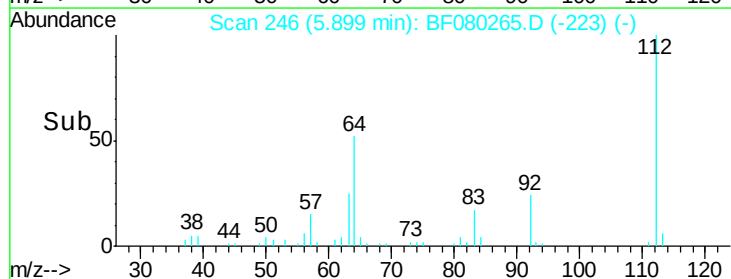
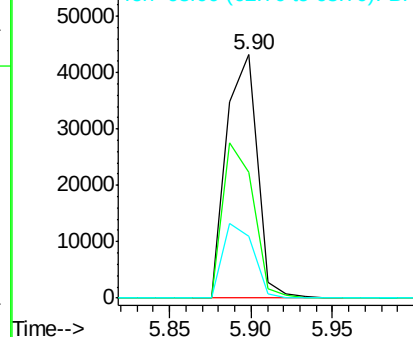


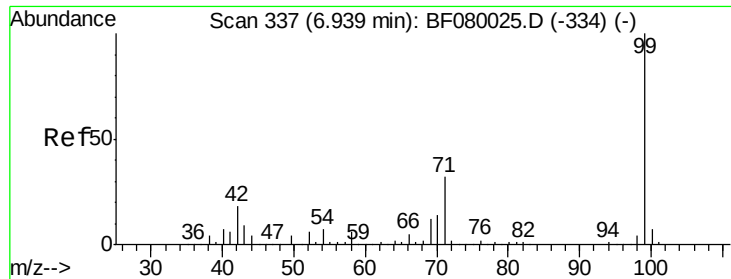
Abundance

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: 30.16 ng

RT: 6.89 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF080265.D

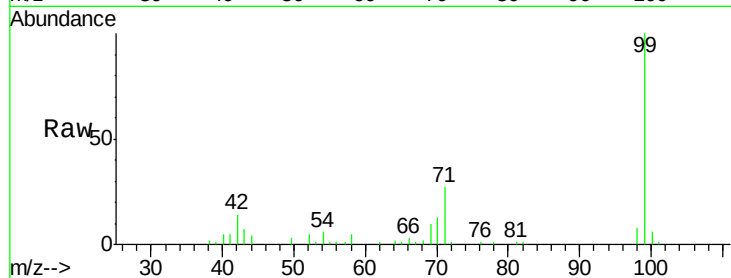
Acq: 1 Jul 2015 8:50

Instrument :

BNA_F

ClientSampleId :

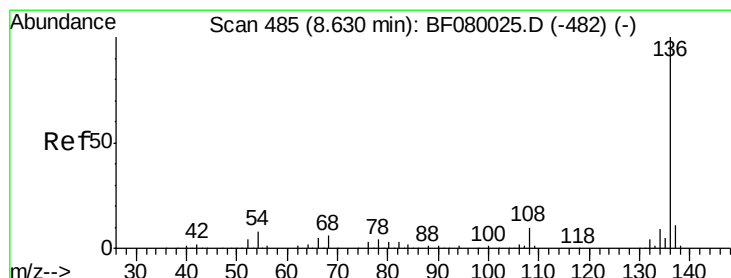
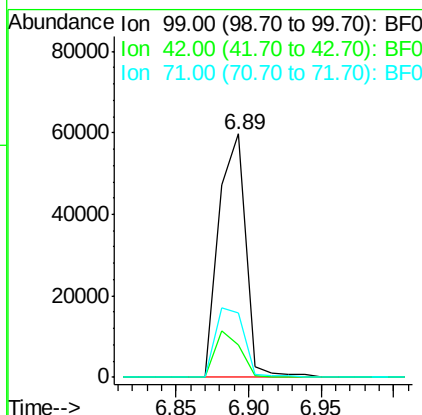
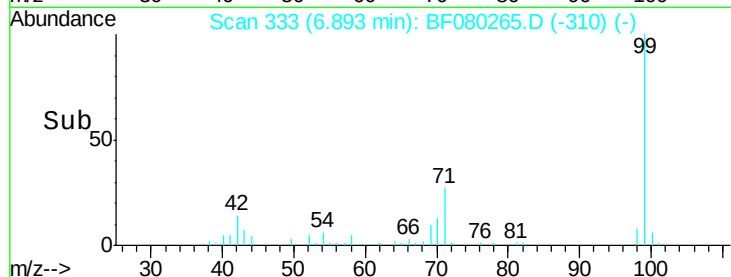
SP-3(0-2)



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		76558		
42	13.6	13.7	20.5#		
71	26.6	14.2	21.2#		

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#21

Naphthalene-d8

Concen: 20.00 ng

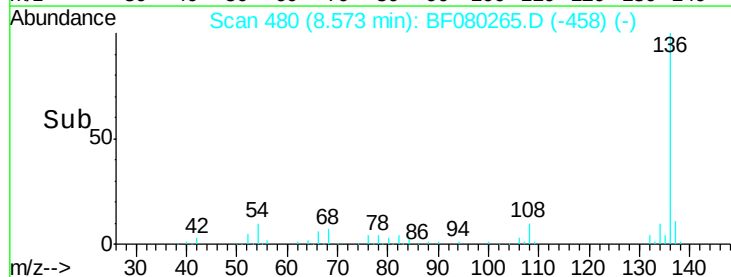
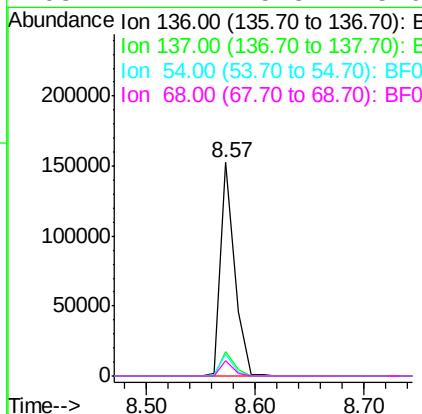
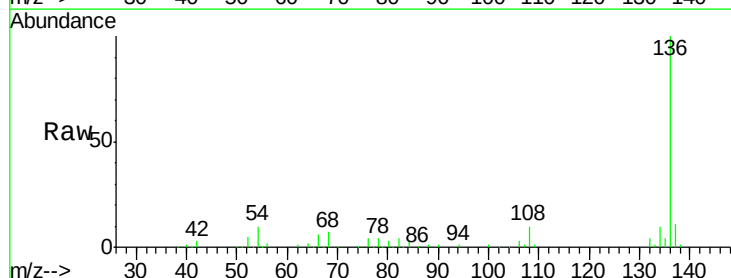
RT: 8.57 min Scan# 480

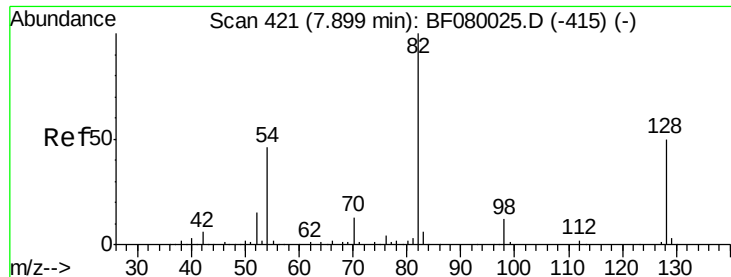
Delta R.T. -0.05 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		139774		
137	11.3	9.0	13.6		
54	10.2	8.2	12.2		
68	7.4	5.8	8.6		





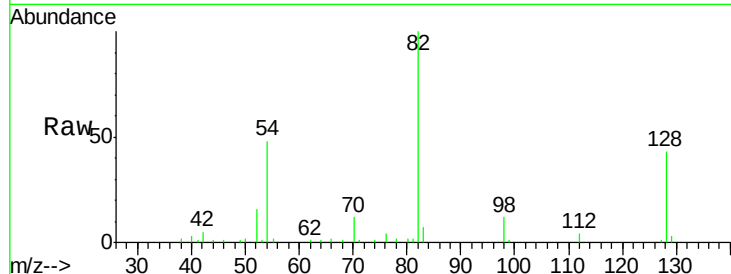
#23
 Nitrobenzene-d5
 Concen: 19.12 ng
 RT: 7.84 min Scan# 416
 Delta R.T. -0.03 min
 Lab File: BF080265.D
 Acq: 1 Jul 2015 8:50

Instrument :
 BNA_F
 ClientSampleId :
 SP-3(0-2)

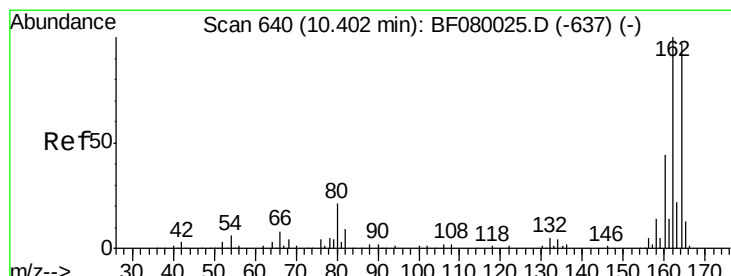
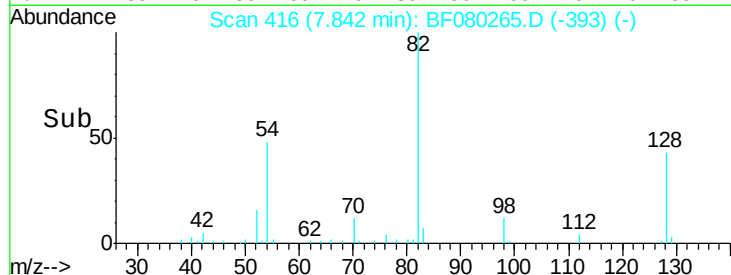
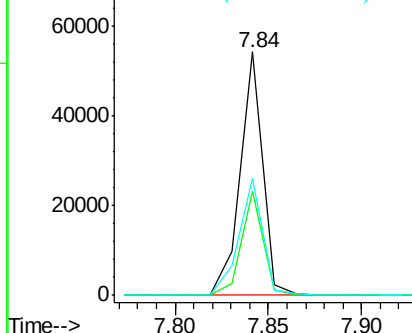
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.7	51.0	76.6#
54	48.0	47.5	71.3

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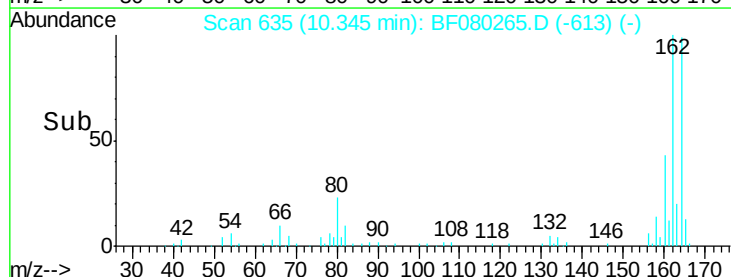
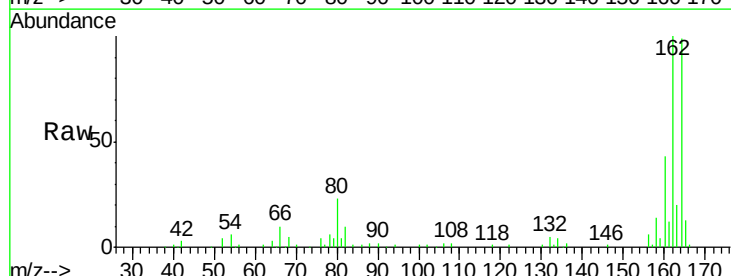
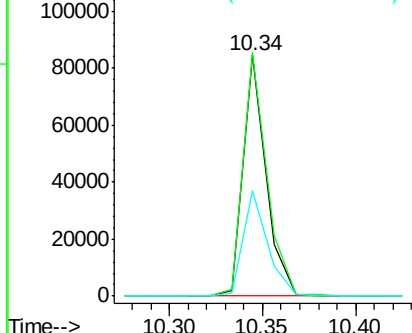
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

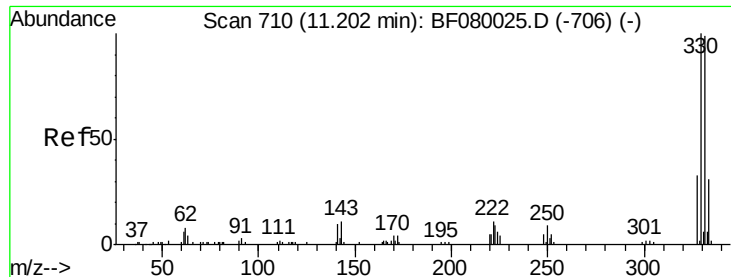


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.34 min Scan# 635
 Delta R.T. -0.05 min
 Lab File: BF080265.D
 Acq: 1 Jul 2015 8:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	75.2	112.8
160	43.8	31.5	47.3

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





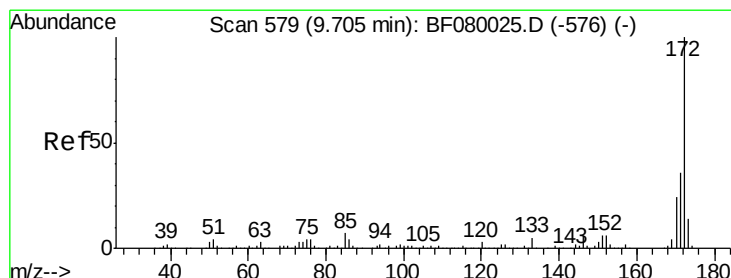
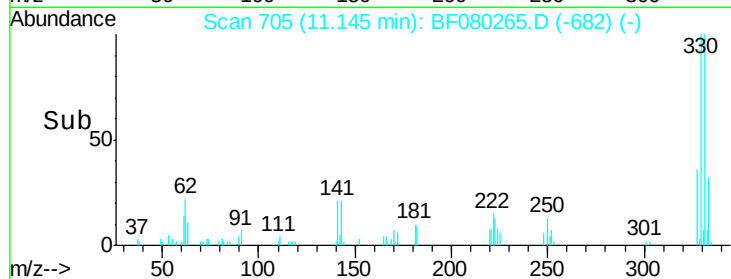
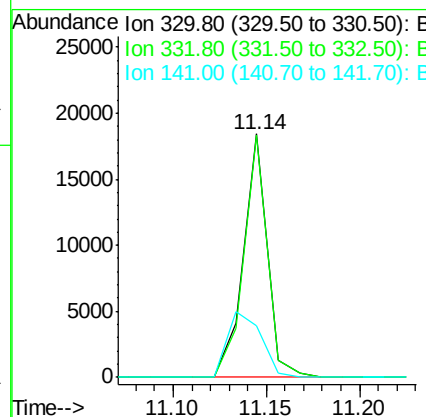
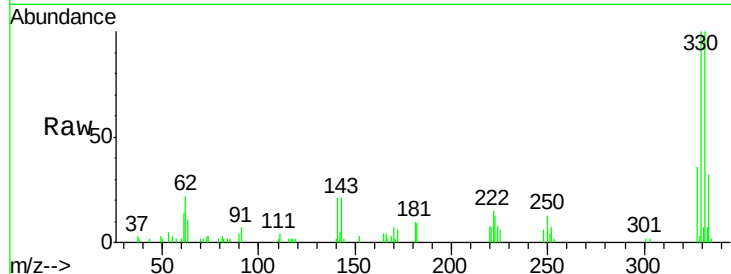
#41
 2,4,6-Tribromophenol
 Concen: 23.50 ng
 RT: 11.14 min Scan# 705
 Delta R.T. -0.03 min
 Lab File: BF080265.D
 Acq: 1 Jul 2015 8:50

Instrument :
 BNA_F
 ClientSampleId :
 SP-3(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	16584		
332	97.8	76.6	114.8	
141	38.0	29.7	44.5	

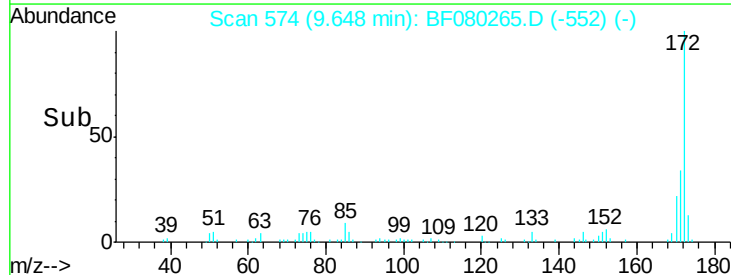
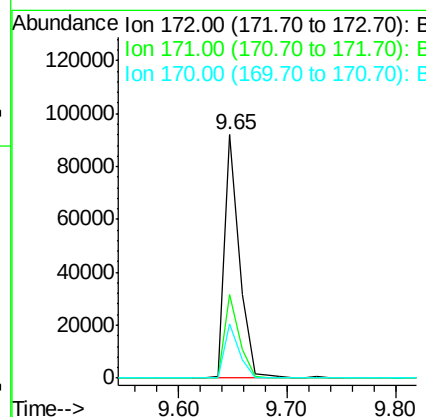
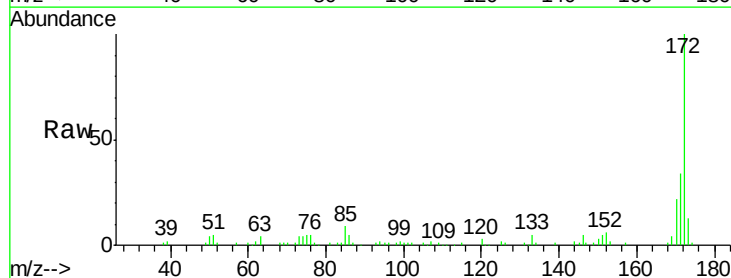
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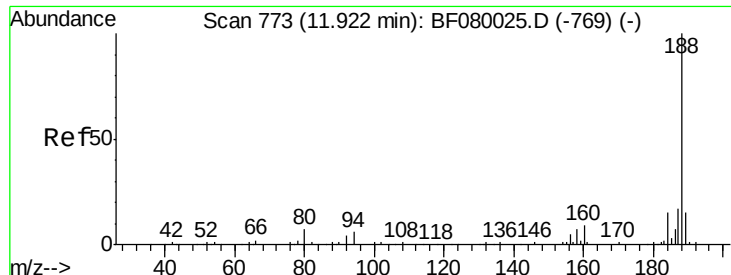
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#44
 2-Fluorobiphenyl
 Concen: 17.48 ng
 RT: 9.65 min Scan# 574
 Delta R.T. -0.05 min
 Lab File: BF080265.D
 Acq: 1 Jul 2015 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	88453		
171	34.1	26.1	39.1	
170	22.3	17.4	26.2	





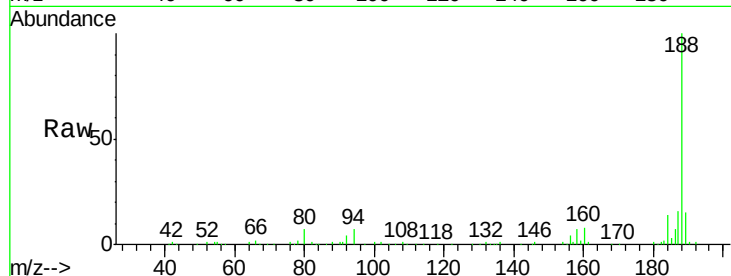
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.86 min Scan# 768
Delta R.T. -0.05 min
Lab File: BF080265.D
Acq: 1 Jul 2015 8:50

Instrument :
BNA_F
ClientSampleId :
SP-3(0-2)

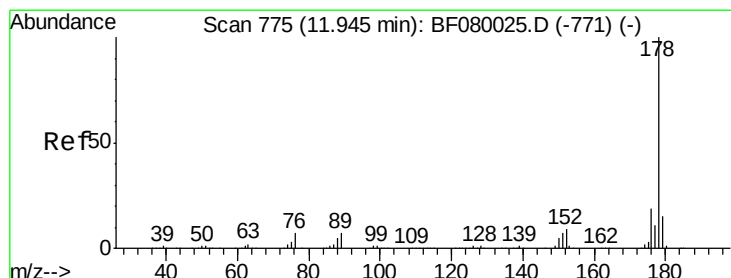
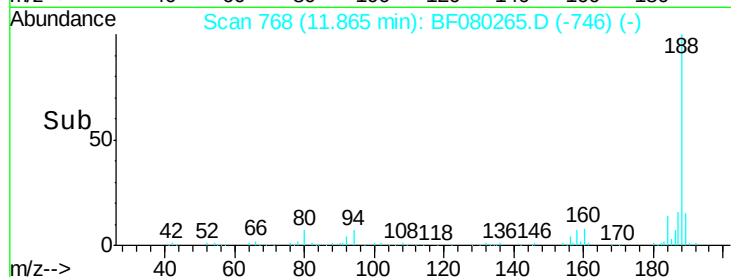
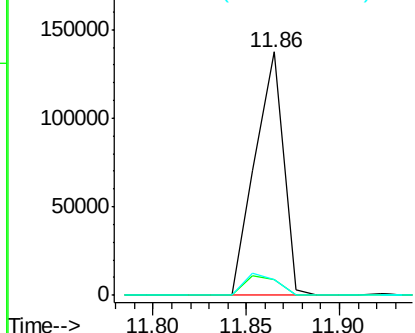
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.7	11.1	16.7#
80	6.7	11.0	16.4#

Manual Integrations
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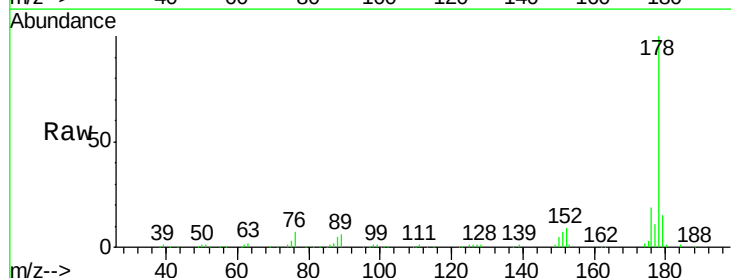


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

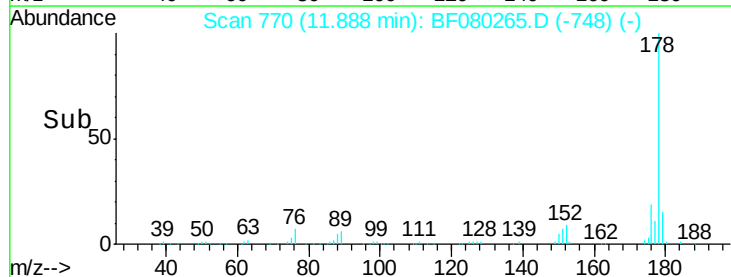
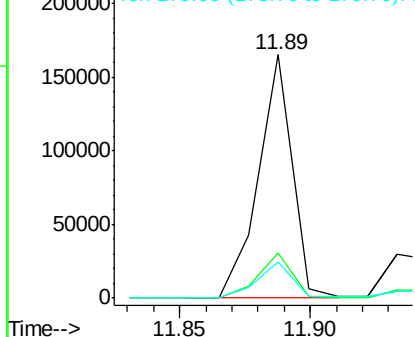


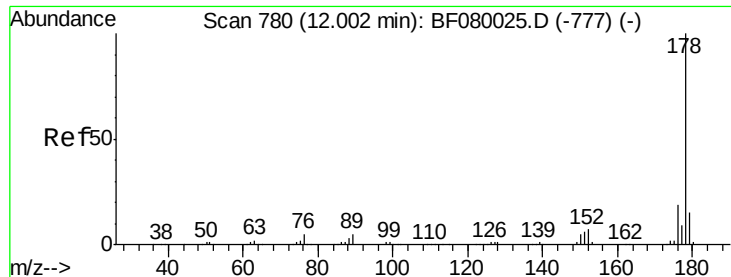
#70
Phenanthrene
Concen: 16.76 ng
RT: 11.89 min Scan# 770
Delta R.T. -0.05 min
Lab File: BF080265.D
Acq: 1 Jul 2015 8:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	13.8	20.8
179	14.9	12.2	18.2



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





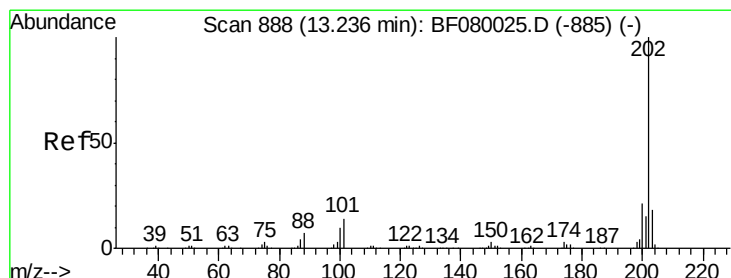
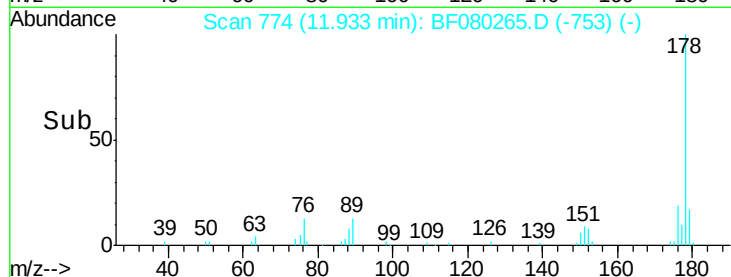
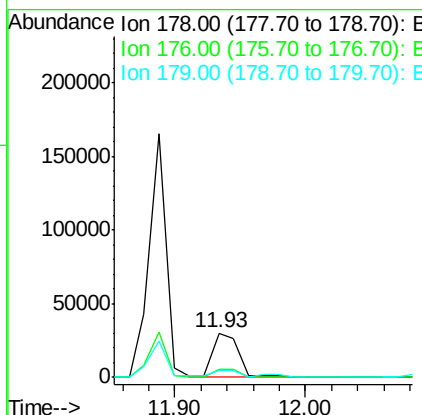
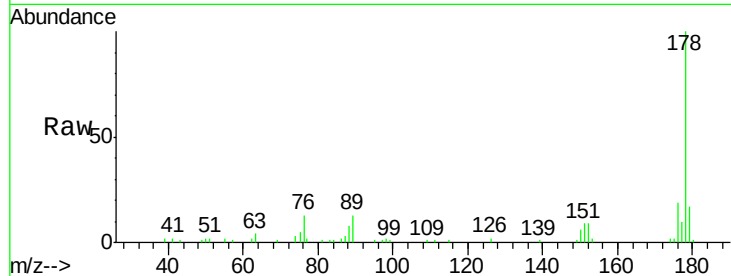
#71
 Anthracene
 Concen: 4.92 ng
 RT: 11.93 min Scan# 774
 Delta R.T. -0.06 min
 Lab File: BF080265.D
 Acq: 1 Jul 2015 8:50

Instrument :
 BNA_F
 ClientSampleId :
 SP-3(0-2)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.1	21.1
179	16.7	12.2	18.2

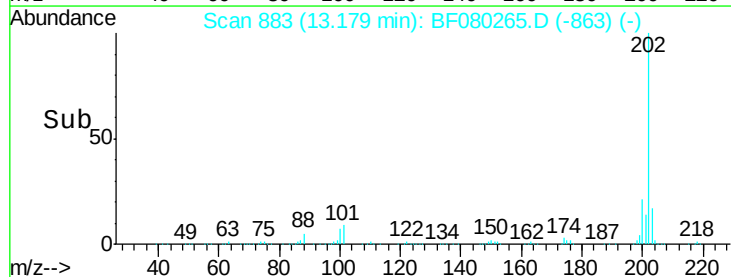
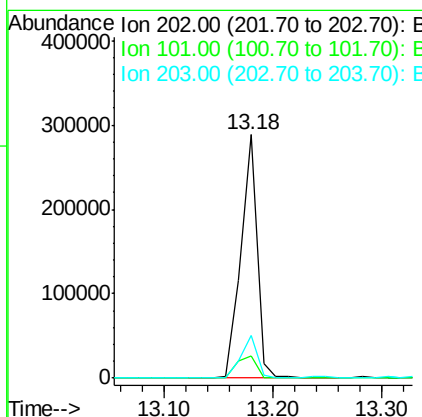
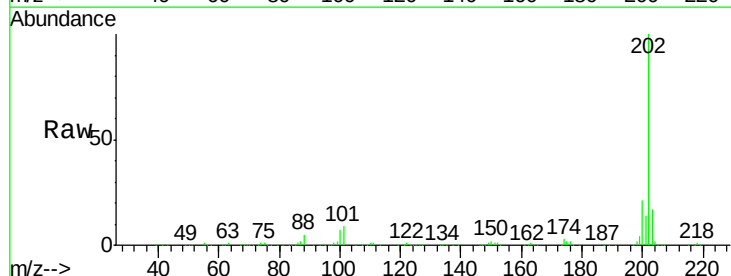
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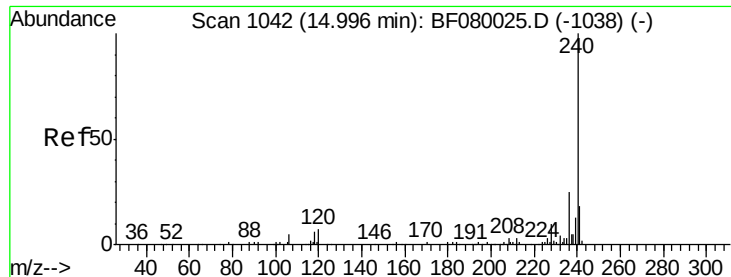
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#74
 Fluoranthene
 Concen: 31.40 ng
 RT: 13.18 min Scan# 883
 Delta R.T. -0.07 min
 Lab File: BF080265.D
 Acq: 1 Jul 2015 8:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	38.3
203	17.4	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.92 min Scan# 1035

Delta R.T. -0.08 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Instrument :

BNA_F

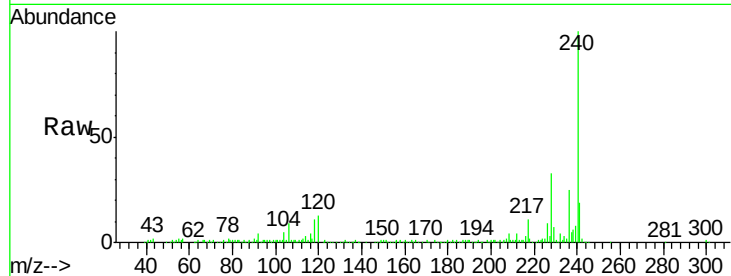
ClientSampleId :

SP-3(0-2)

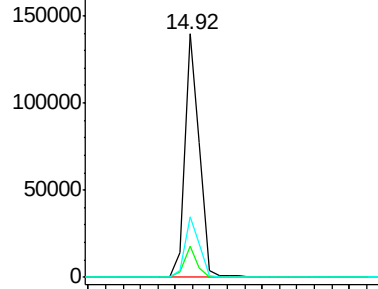
Tgt Ion:	240	Resp:	164023
Ion Ratio	Lower	Upper	
240	100		
120	12.9	16.2	24.2#
236	25.1	18.4	27.6

Manual Integrations
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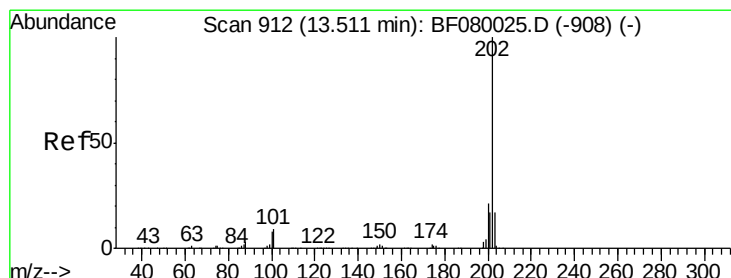
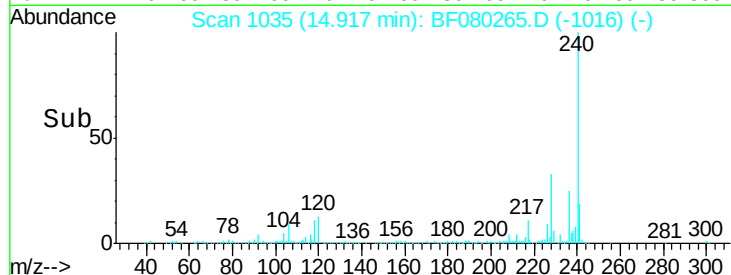
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time--> 14.80 14.90 15.00 15.10



#77

Pyrene

Concen: 26.93 ng

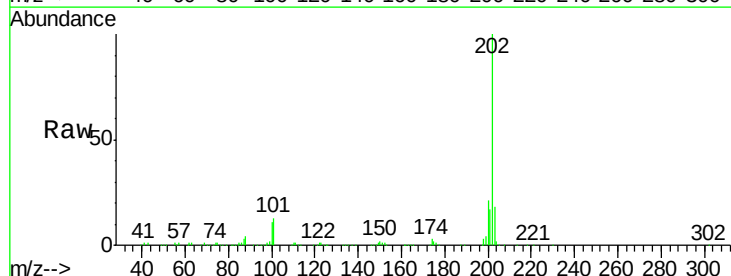
RT: 13.44 min Scan# 906

Delta R.T. -0.07 min

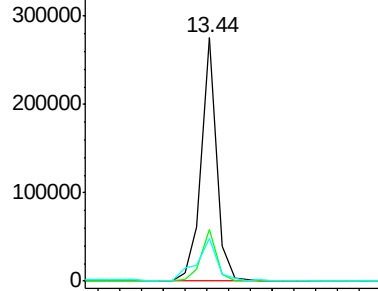
Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

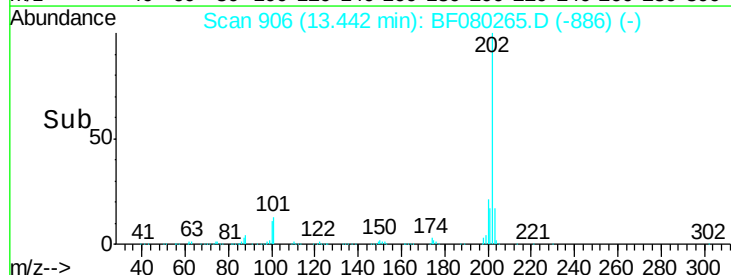
Tgt Ion:	202	Resp:	272005
Ion Ratio	Lower	Upper	
202	100		
200	21.1	15.0	22.4
203	17.5	14.1	21.1

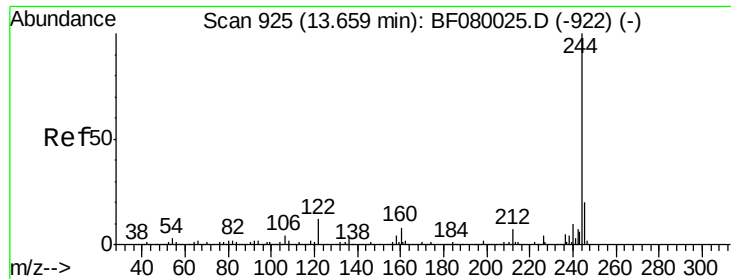


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 13.40 13.50





#78

Terphenyl-d14

Concen: 13.98 ng

RT: 13.59 min Scan# 919

Delta R.T. -0.08 min

Lab File: BF080265.D

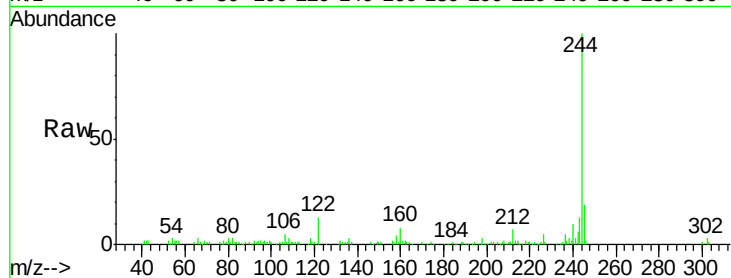
Acq: 1 Jul 2015 8:50

Instrument :

BNA_F

ClientSampleId :

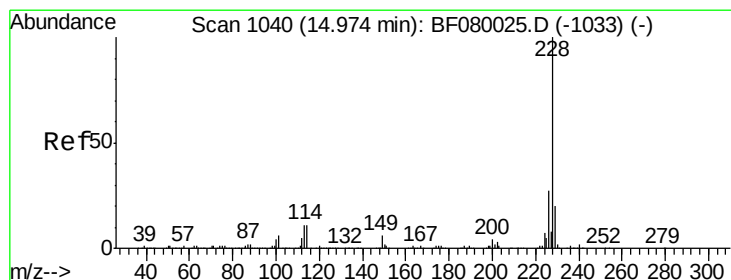
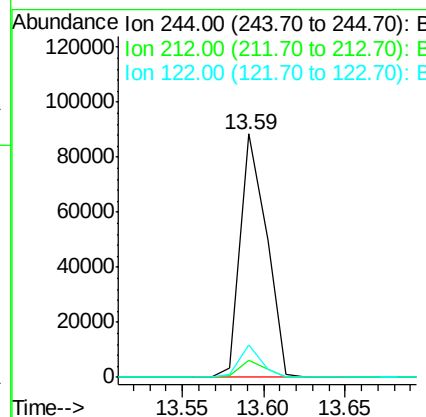
SP-3(0-2)



Tgt Ion:	244	Resp:	98165
Ion Ratio		Lower	Upper
244	100		
212	7.1	4.3	6.5#
122	13.4	17.4	26.2#

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#80

Benzo(a)anthracene

Concen: 15.28 ng

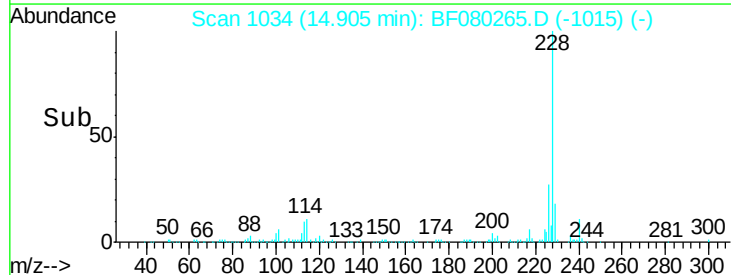
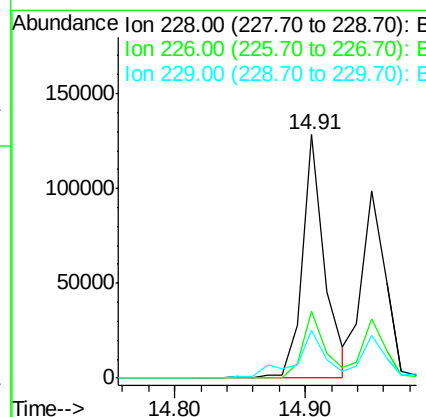
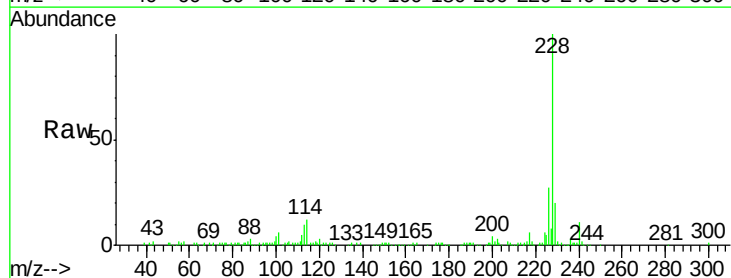
RT: 14.91 min Scan# 1034

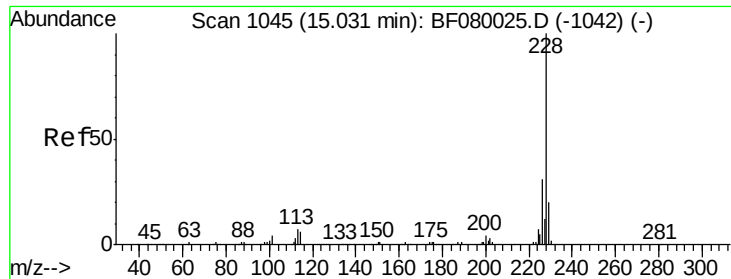
Delta R.T. -0.08 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Tgt Ion:	228	Resp:	152706
Ion Ratio		Lower	Upper
228	100		
226	27.3	20.0	30.0
229	19.8	15.4	23.2





#82

Chrysene

Concen: 13.73 ng

RT: 14.95 min Scan# 1038

Delta R.T. -0.08 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Instrument :

BNA_F

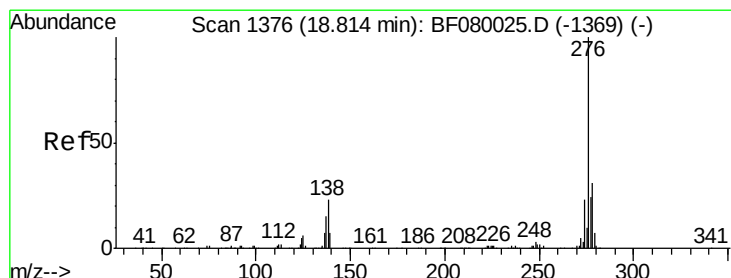
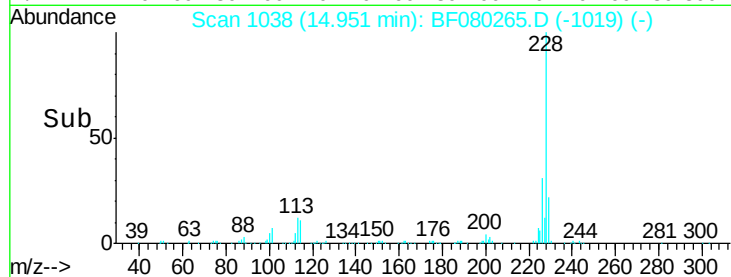
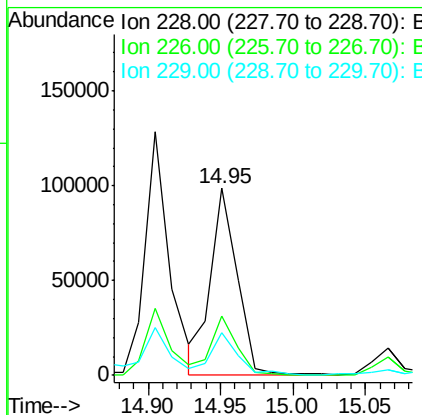
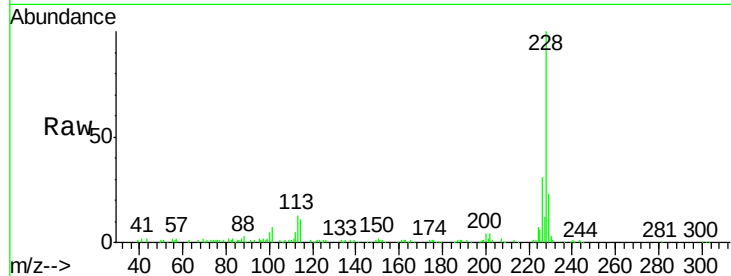
ClientSampled :

SP-3(0-2)

Tgt Ion:	228	Resp:	126503
Ion Ratio	Lower	Upper	
228	100		
226	31.4	21.0	31.4
229	22.8	15.6	23.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.94 ng

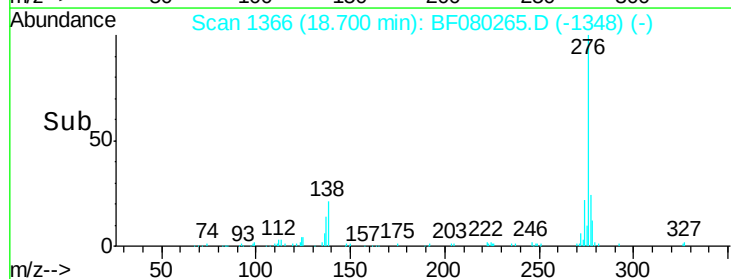
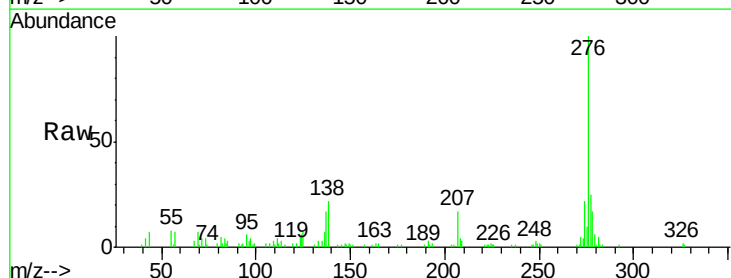
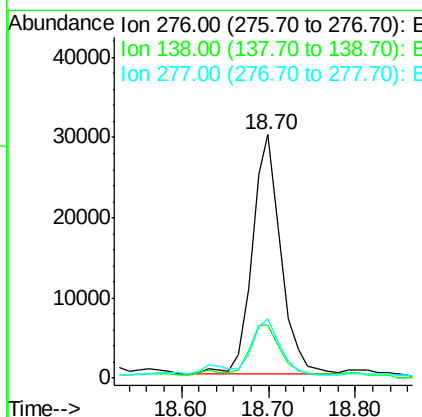
RT: 18.70 min Scan# 1366

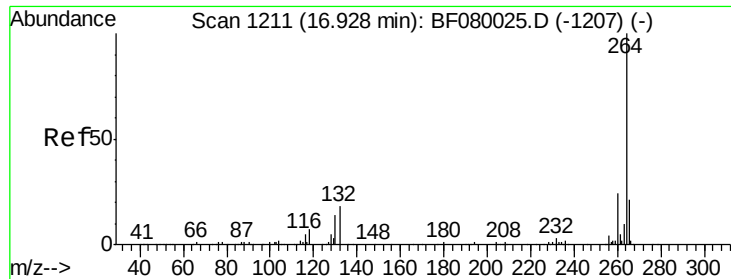
Delta R.T. -0.09 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Tgt Ion:	276	Resp:	68978
Ion Ratio	Lower	Upper	
276	100		
138	22.2	25.7	38.5#
277	23.5	15.6	23.4#





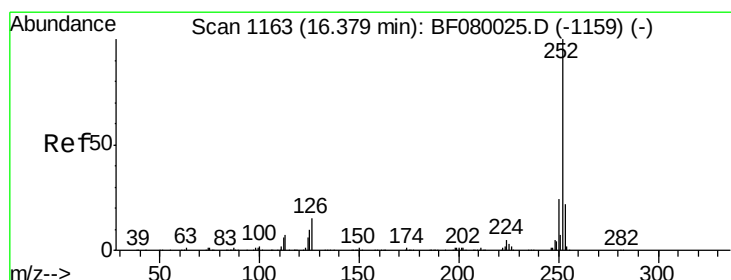
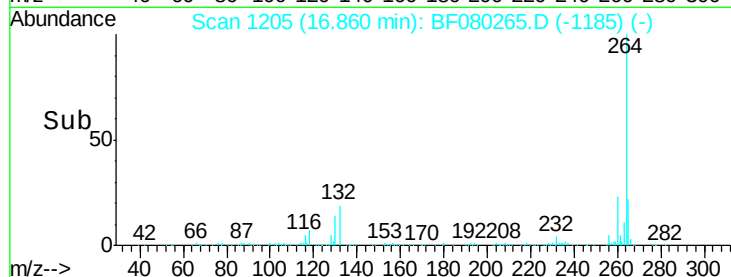
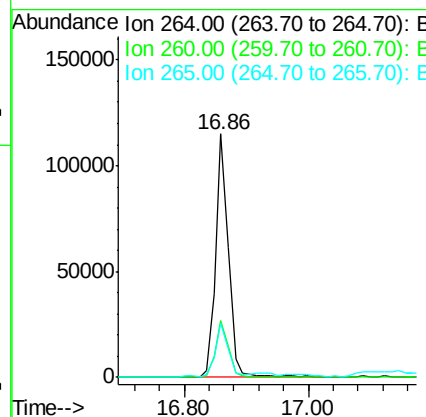
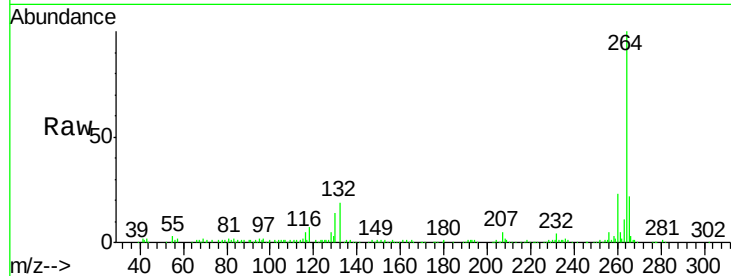
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.86 min Scan# 1205
Delta R.T. -0.07 min
Lab File: BF080265.D
Acq: 1 Jul 2015 8:50

Instrument :
BNA_F
ClientSampleId :
SP-3(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	162890		
260	23.1	16.7	25.1	
265	22.0	17.2	25.8	

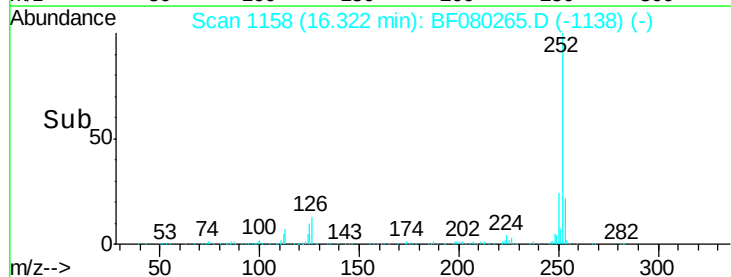
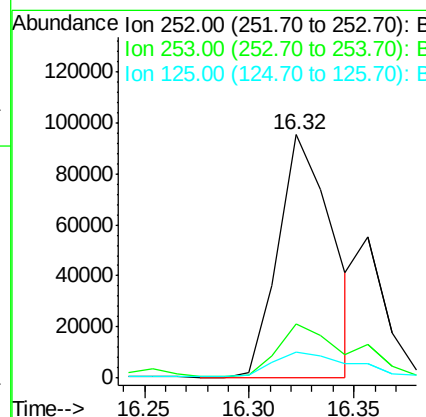
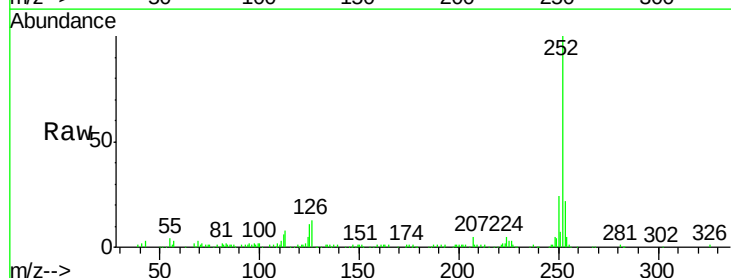
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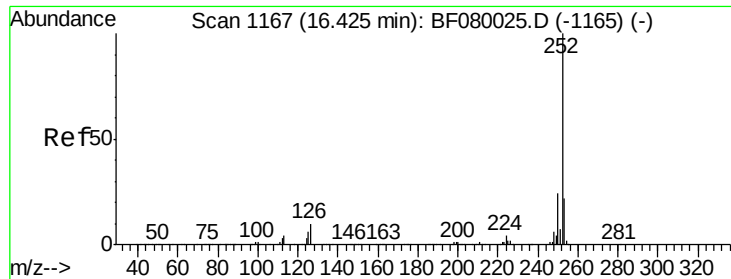
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#87
Benzo(b)fluoranthene
Concen: 17.30 ng m
RT: 16.32 min Scan# 1158
Delta R.T. -0.07 min
Lab File: BF080265.D
Acq: 1 Jul 2015 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	170576		
253	22.5	17.5	26.3	
125	10.9	17.1	25.7#	





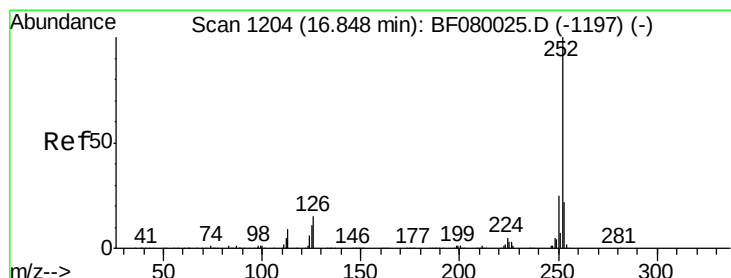
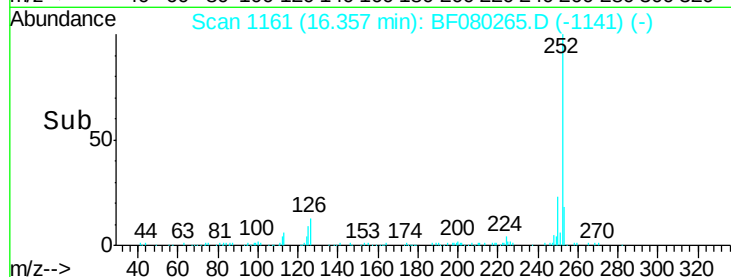
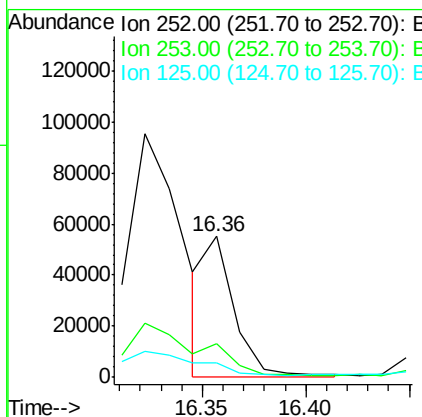
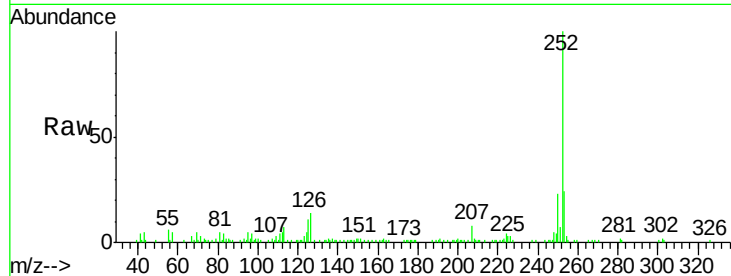
#88
Benzo(k)fluoranthene
Concen: 5.43 ng m
RT: 16.36 min Scan# 1161
Delta R.T. -0.07 min
Lab File: BF080265.D
Acq: 1 Jul 2015 8:50

Instrument :
BNA_F
ClientSampleId :
SP-3(0-2)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.4
125	10.6	16.0	24.0

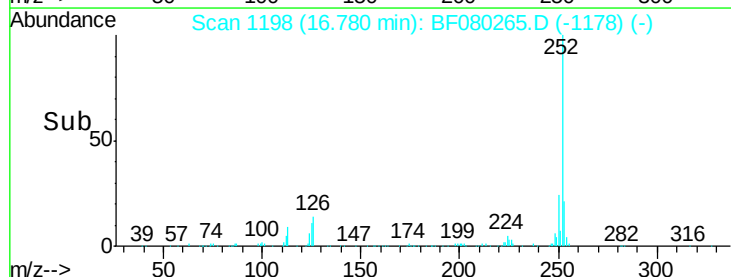
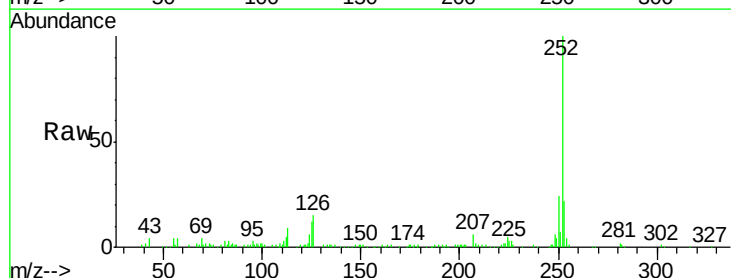
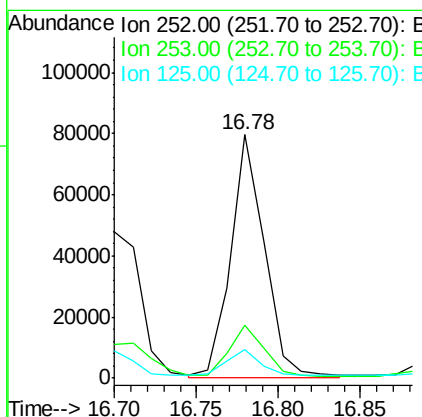
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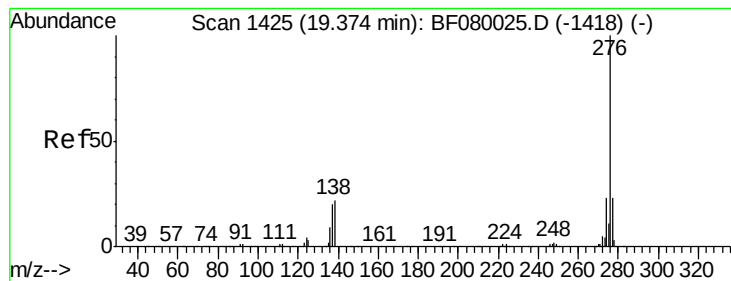
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#89
Benzo(a)pyrene
Concen: 12.31 ng m
RT: 16.78 min Scan# 1198
Delta R.T. -0.07 min
Lab File: BF080265.D
Acq: 1 Jul 2015 8:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	11.7	18.0	27.0





#91

Benzo(g,h,i)perylene

Concen: 6.84 ng

RT: 19.25 min Scan# 1414

Delta R.T. -0.10 min

Lab File: BF080265.D

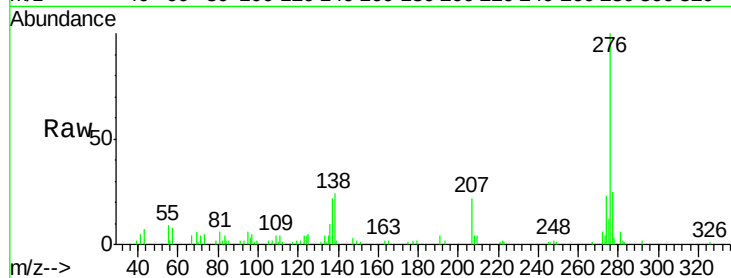
Acq: 1 Jul 2015 8:50

Instrument :

BNA_F

ClientSampleId :

SP-3(0-2)



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		66172		
277	25.0	17.8	26.6		
138	24.4	34.6	51.8#		

Manual Integrations
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