

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020916\
 Data File : BF084978.D
 Acq On : 10 Feb 2016 3:22
 Operator : SJ/IZ
 Sample : H1386-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(0-2)

Manual Integrations
 APPROVED

Sohil
 2/10/2016 1:45:14 PM

Quant Time: Feb 10 06:01:20 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	163567	20.00	ng	-0.05
21) Naphthalene-d8	7.92	136	621796	20.00	ng	-0.06
38) Acenaphthene-d10	9.66	164	275241	20.00	ng	-0.07
63) Phenanthrene-d10	11.14	188	455819	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	307456	20.00	ng	-0.07
86) Perylene-d12	15.14	264	286203	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	223347	21.27	ng	-0.06
7) Phenol-d6	6.28	99	1242786	95.46	ng	-0.06
23) Nitrobenzene-d5	7.21	82	953687	86.40	ng	-0.06
41) 2,4,6-Tribromophenol	10.45	330	10164	3.54	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	1453438	91.13	ng	-0.06
78) Terphenyl-d14	12.73	244	937434	69.09	ng	-0.07
Target Compounds						Qvalue
49) Dimethylphthalate	9.40	163	302011	14.41	ng	# 90
51) Acenaphthene	9.70	154	51101	2.86	ng	96
54) Dibenzofuran	9.87	168	53807	2.46	ng	# 96
70) Phenanthrene	11.17	178	602476	23.83	ng	100
71) Anthracene	11.22	178	163007	6.40	ng	98
72) Carbazole	11.38	167	61654	2.78	ng	99
74) Fluoranthene	12.35	202	610511	23.86	ng	98
77) Pyrene	12.58	202	543976	23.11	ng	99
80) Benzo(a)anthracene	13.77	228	235969	12.37	ng	98
82) Chrysene	13.80	228	184011m	9.94	ng	
85) Indeno(1,2,3-cd)pyrene	16.40	276	95549	6.56	ng	92
87) Benzo(b)fluoranthene	14.77	252	261309m	13.59	ng	
88) Benzo(k)fluoranthene	14.79	252	52295m	3.29	ng	
89) Benzo(a)pyrene	15.08	252	165130	10.08	ng	# 90
91) Benzo(a,h,i)perylene	16.77	276	88518	6.37	ng	97

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

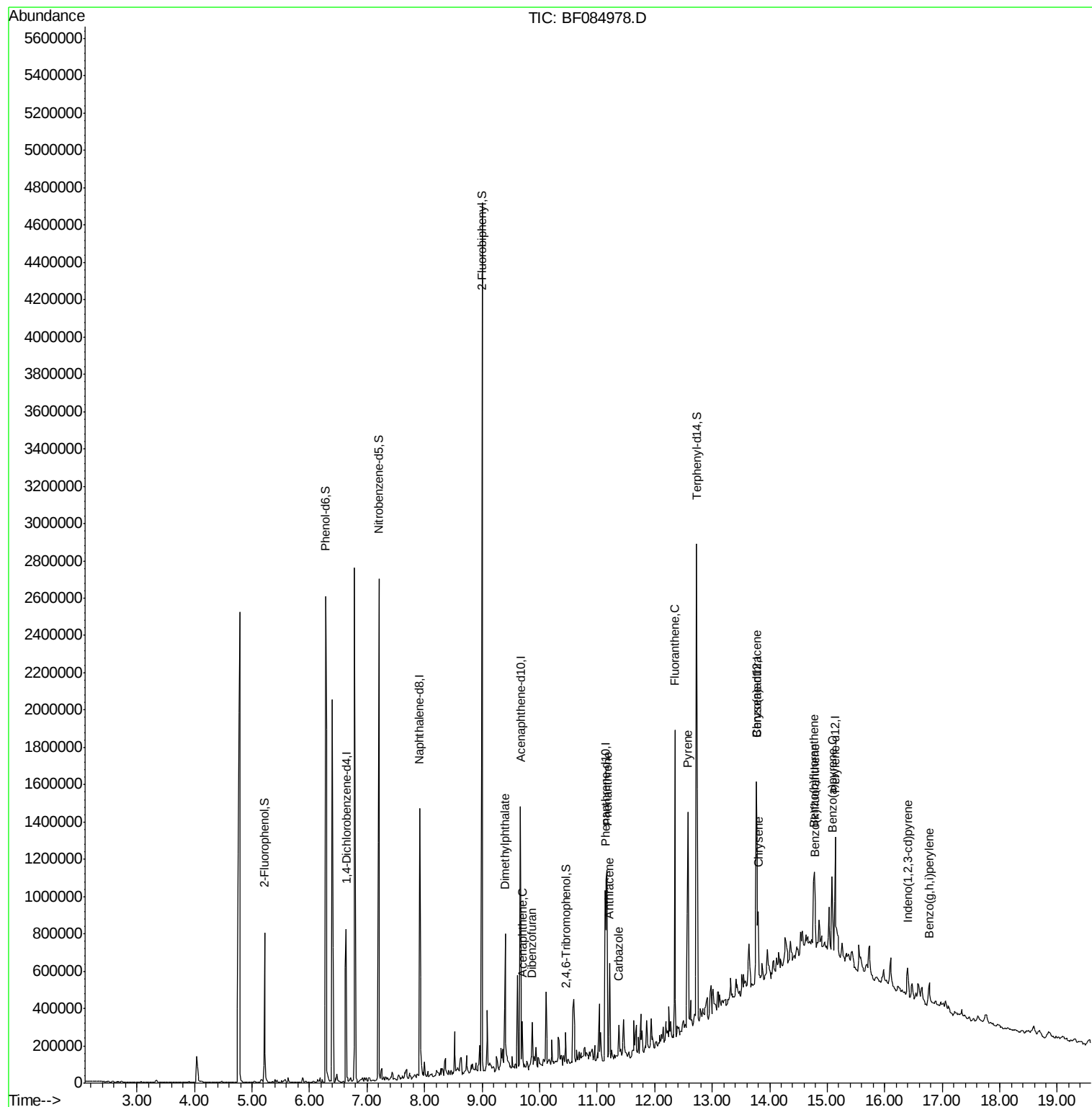
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020916\
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
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#1

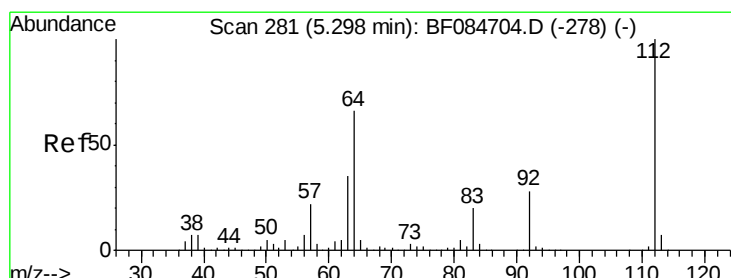
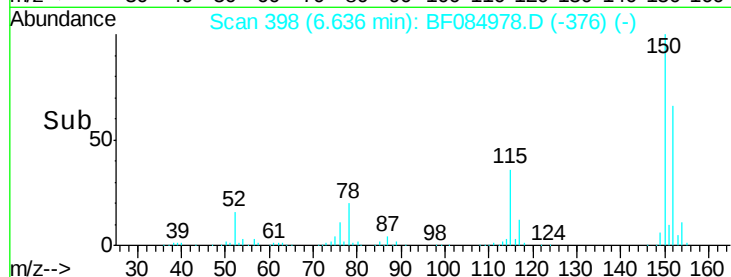
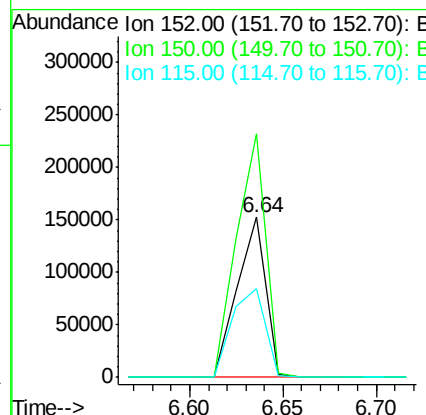
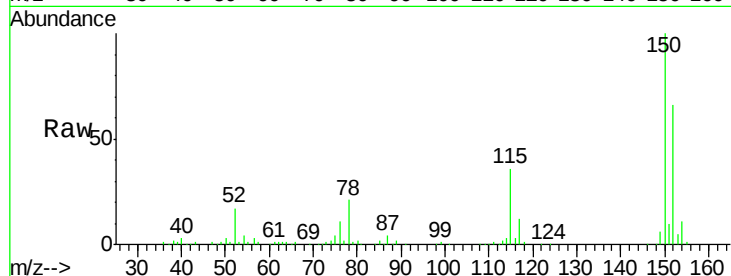
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 398
Delta R.T. -0.05 min
Lab File: BF084978.D
Acq: 10 Feb 2016 3:22

Instrument :
BNA_F
ClientSampleId :
S4-B005(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
150	152.1	123.0	184.4	
115	55.5	51.4	77.2	

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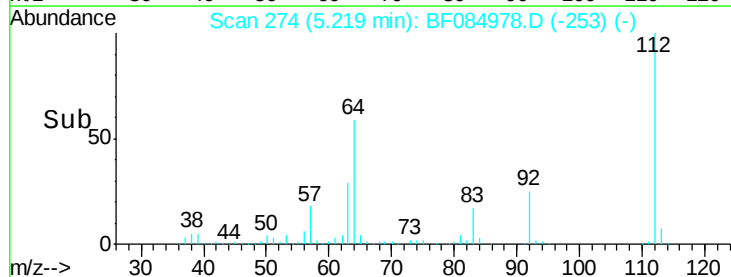
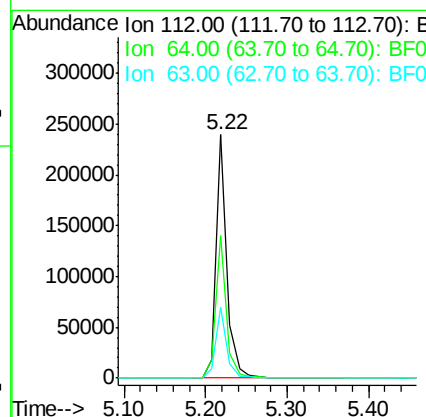
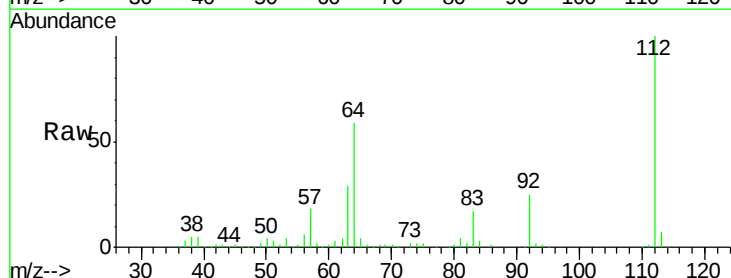
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#5

2-Fluorophenol
Concen: 21.27 ng
RT: 5.22 min Scan# 274
Delta R.T. -0.06 min
Lab File: BF084978.D
Acq: 10 Feb 2016 3:22

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
64	58.5	36.6	55.0#	
63	29.1	19.4	29.0#	





#7

Phenol-d6

Concen: 95.46 ng

RT: 6.28 min Scan# 367

Delta R.T. -0.06 min

Lab File: BF084978.D

Acq: 10 Feb 2016 3:22

Instrument :

BNA_F

ClientSampleId :

S4-B005(0-2)

Tot Ion: 99 Resp: 1242786

Ion Ratio Lower Upper

99 100

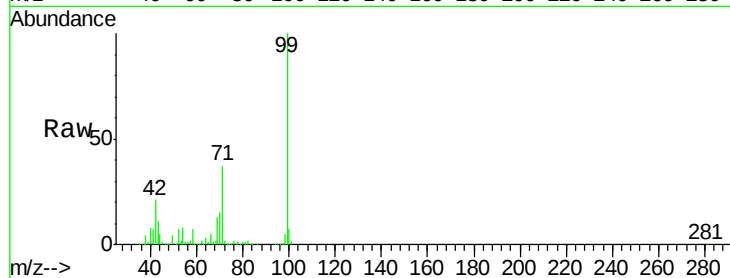
42 20.9 12.8 19.2#

71 37.2 30.9 46.3

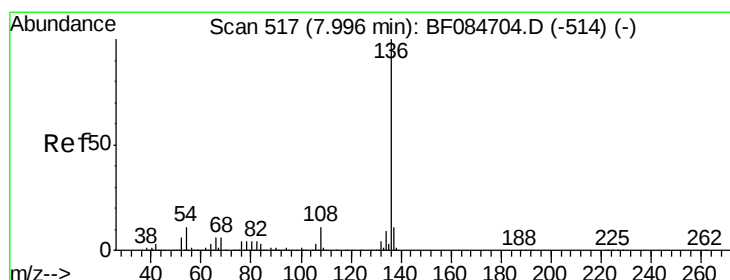
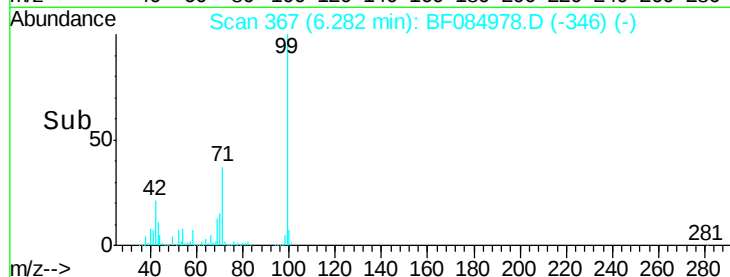
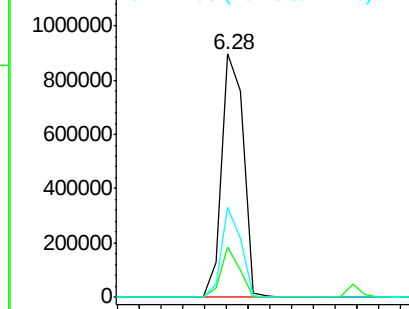
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.06 min

Lab File: BF084978.D

Acq: 10 Feb 2016 3:22

Tgt Ion: 136 Resp: 621796

Ion Ratio Lower Upper

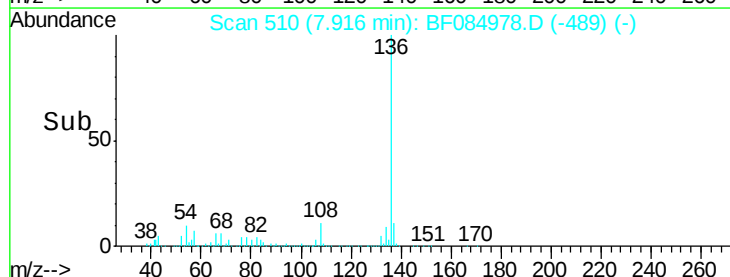
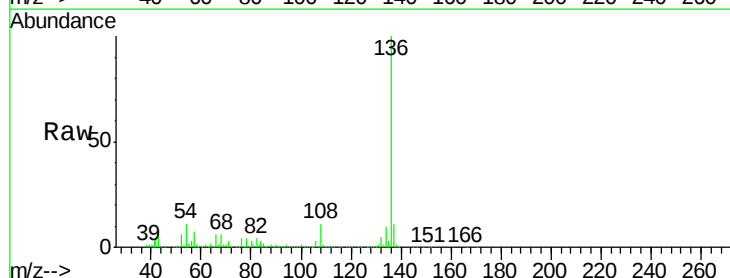
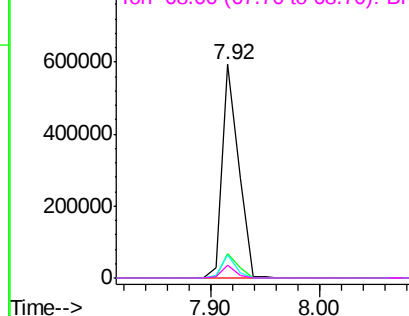
136 100

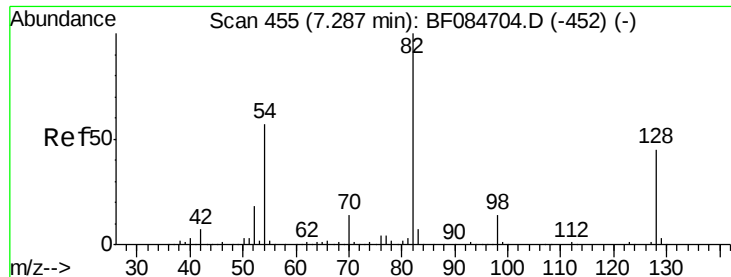
137 11.3 8.7 13.1

54 10.6 5.8 8.8#

68 5.9 4.2 6.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 86.40 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.06 min

Lab File: BF084978.D

Acq: 10 Feb 2016 3:22

Instrument :

BNA_F

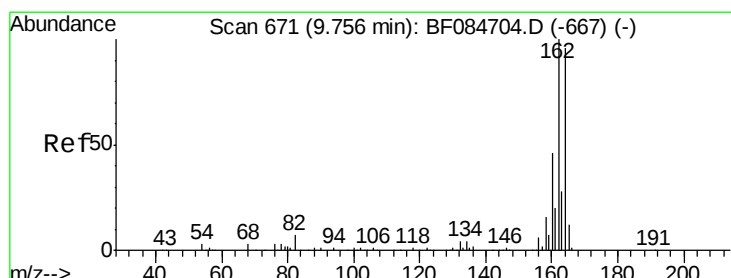
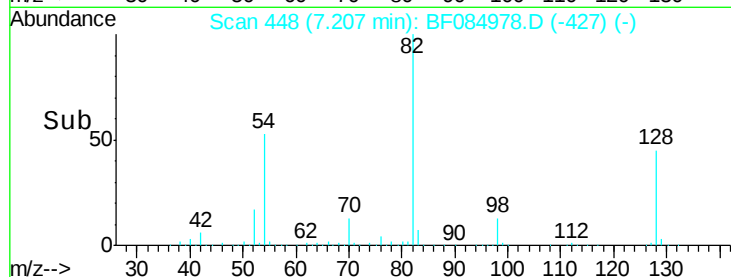
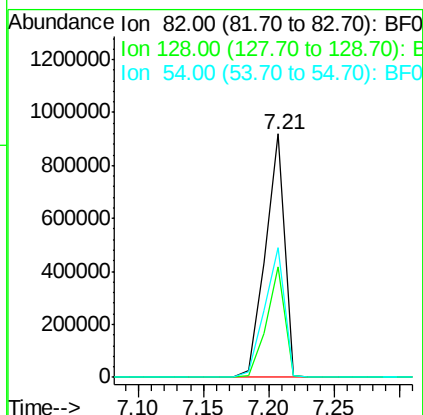
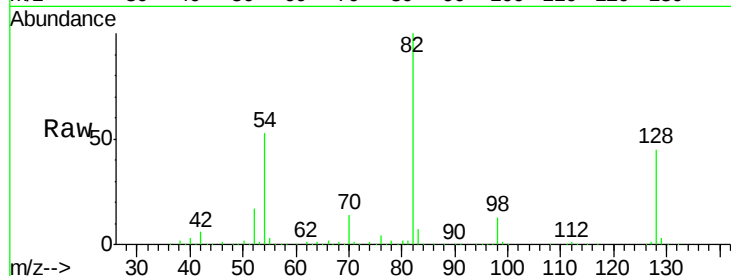
ClientSampleId :

S4-B005(0-2)

Tot Ion	82	Resp	953687
Ion Ratio	Lower	Upper	
82	100		
128	45.4	34.6	51.8
54	53.3	38.4	57.6

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#38

Acenaphthene-d10

Concen: 20.00 ng

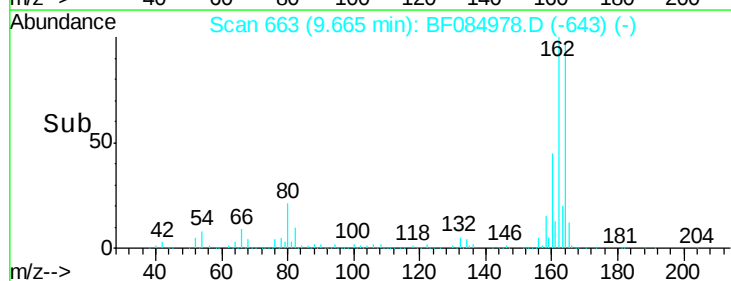
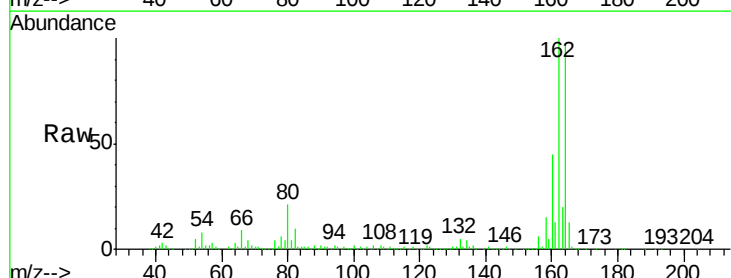
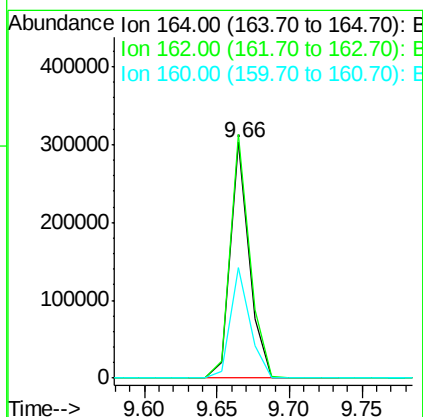
RT: 9.66 min Scan# 663

Delta R.T. -0.07 min

Lab File: BF084978.D

Acq: 10 Feb 2016 3:22

Tgt Ion	164	Resp	275241
Ion Ratio	Lower	Upper	
164	100		
162	103.3	85.1	127.7
160	46.9	37.5	56.3





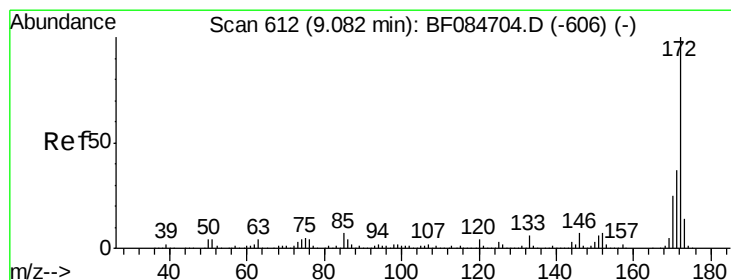
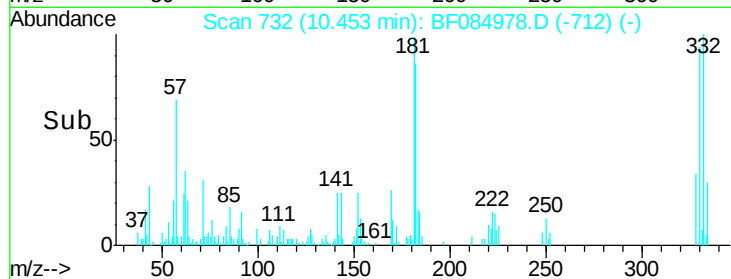
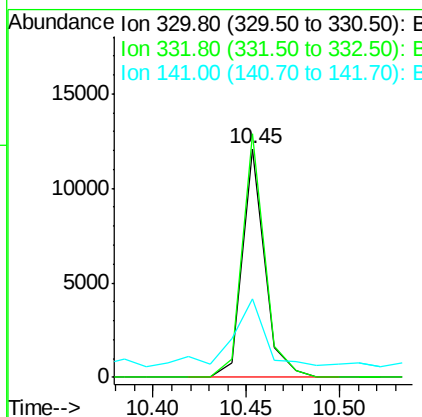
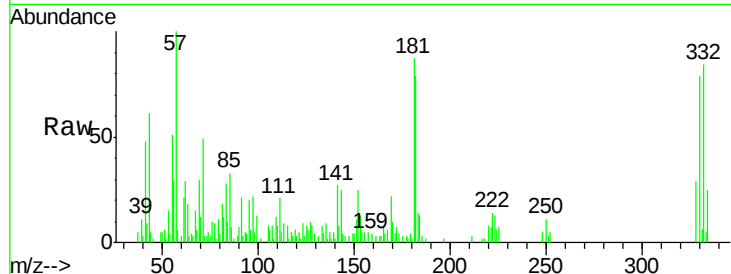
#41
 2,4,6-Tribromophenol
 Concen: 3.54 ng
 RT: 10.45 min Scan# 732
 Delta R.T. -0.07 min
 Lab File: BF084978.D
 Acq: 10 Feb 2016 3:22

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(0-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	107.2	76.6	114.8
141	48.0	27.8	41.6

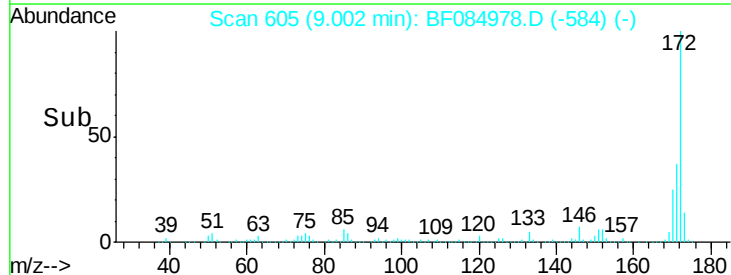
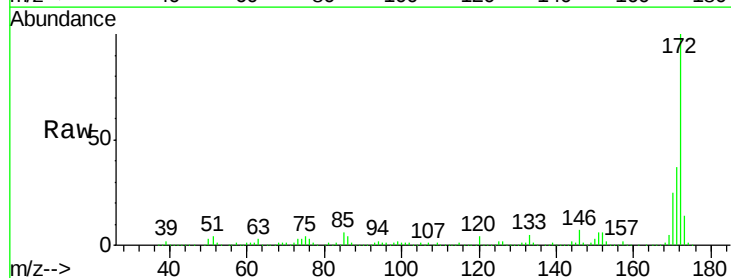
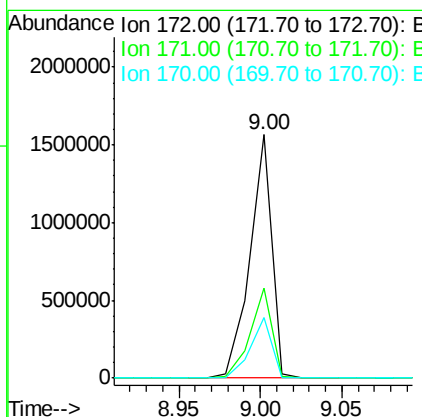
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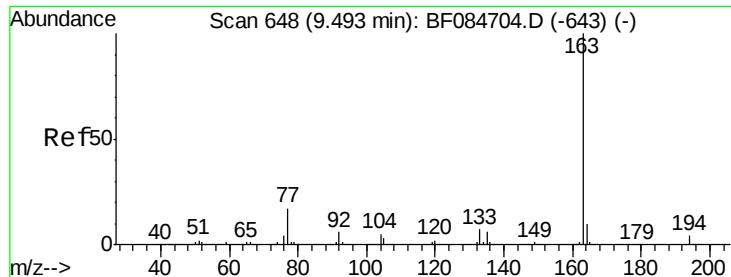
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#44
 2-Fluorobiphenyl
 Concen: 91.13 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.06 min
 Lab File: BF084978.D
 Acq: 10 Feb 2016 3:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	28.9	43.3
170	25.0	18.6	27.8





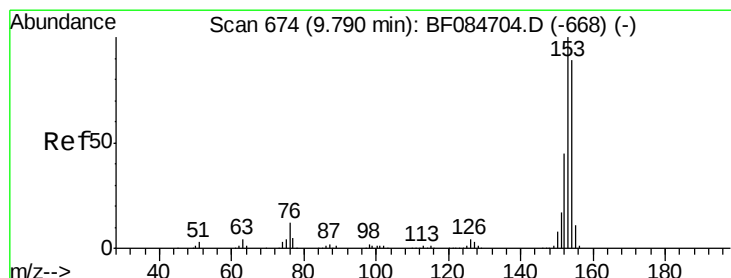
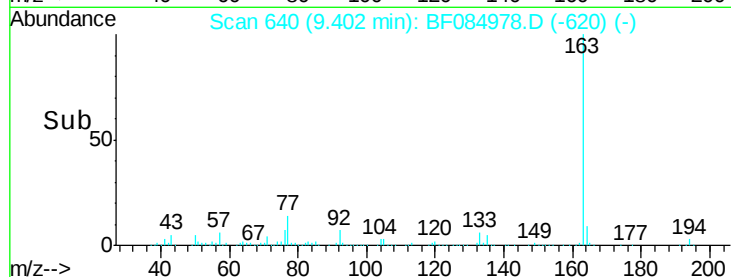
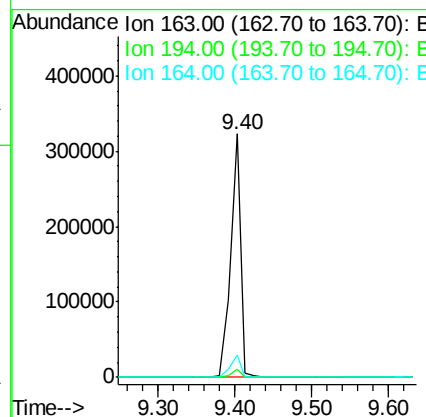
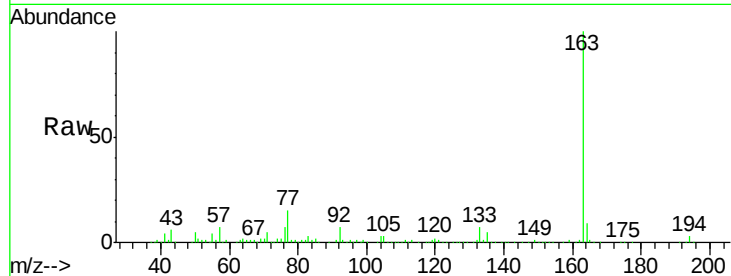
#49
Dimethylphthalate
Concen: 14.41 ng
RT: 9.40 min Scan# 640
Delta R.T. -0.07 min
Lab File: BF084978.D
Acq: 10 Feb 2016 3:22

Instrument :
BNA_F
ClientSampleId :
S4-B005(0-2)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.4	8.0	12.0#
164	9.2	8.0	12.0

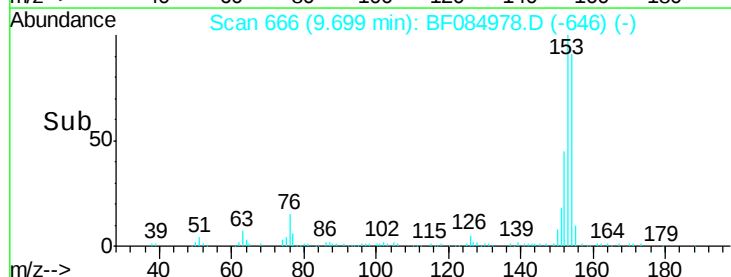
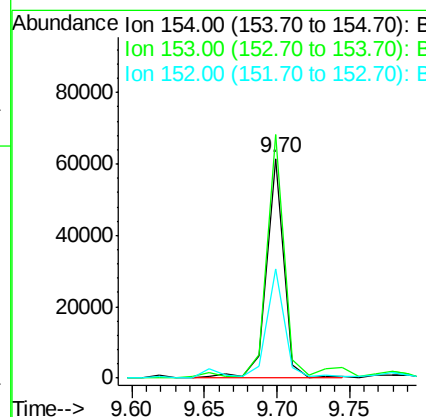
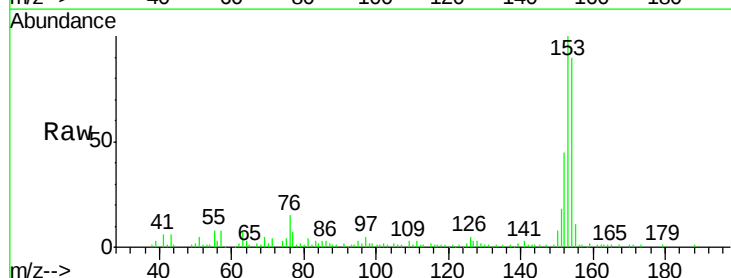
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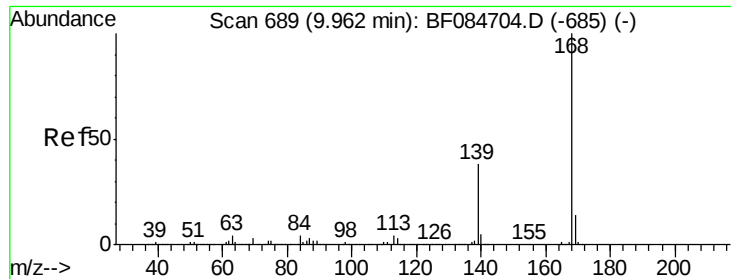
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#51
Acenaphthene
Concen: 2.86 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.07 min
Lab File: BF084978.D
Acq: 10 Feb 2016 3:22

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	110.7	91.5	137.3
152	49.8	43.0	64.6





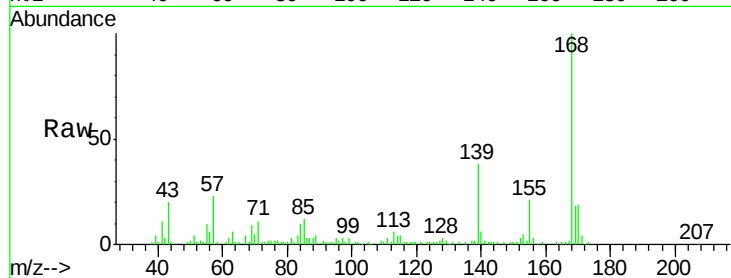
#54
Dibenzofuran
Concen: 2.46 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.07 min
Lab File: BF084978.D
Acq: 10 Feb 2016 3:22

Instrument :
BNA_F
ClientSampleId :
S4-B005(0-2)

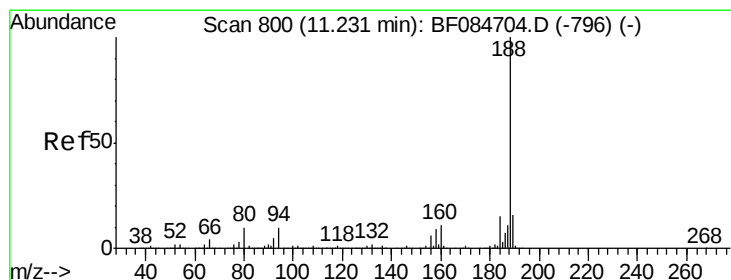
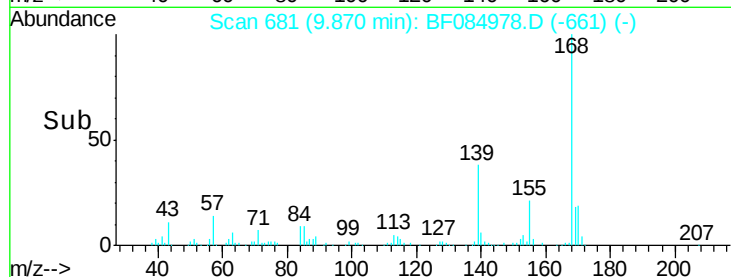
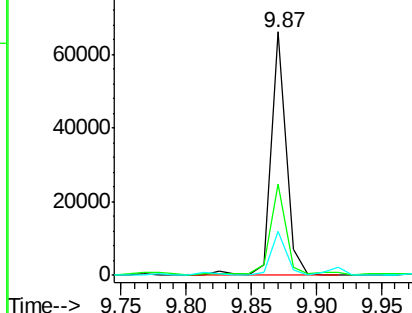
Tot Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.5	45.7
169	17.8	10.4	15.6

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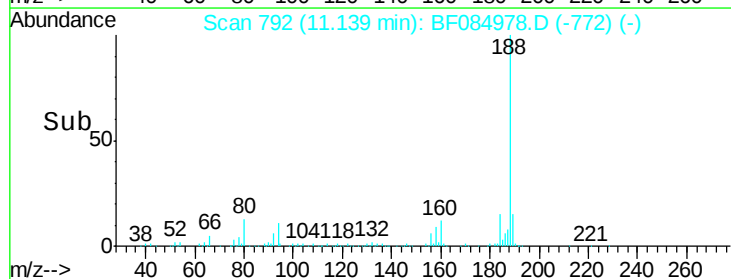
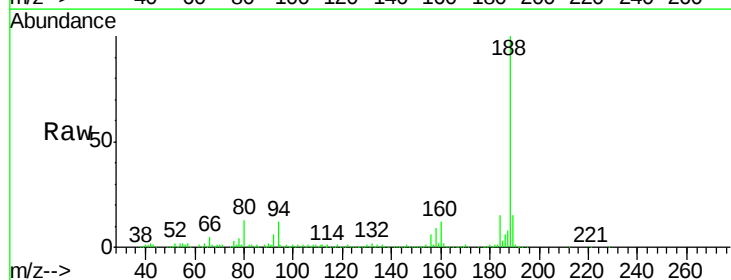
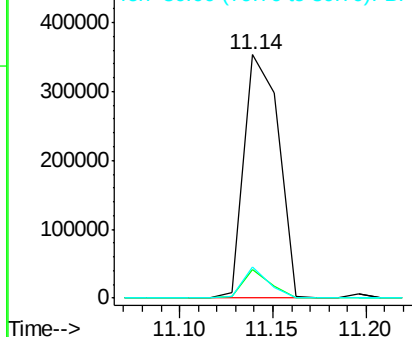
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

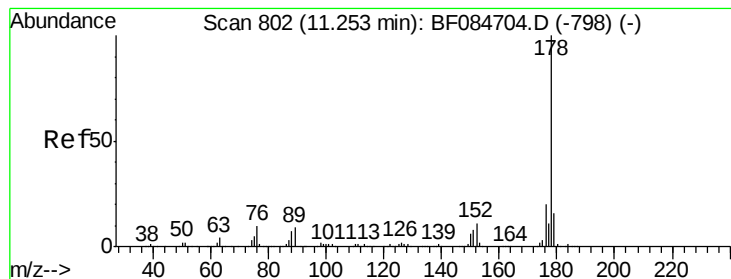


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 792
Delta R.T. -0.07 min
Lab File: BF084978.D
Acq: 10 Feb 2016 3:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.0	13.4
80	12.7	9.6	14.4

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: 23.83 ng

RT: 11.17 min Scan# 795

Delta R.T. -0.06 min

Lab File: BF084978.D

Acq: 10 Feb 2016 3:22

Instrument :

BNA_F

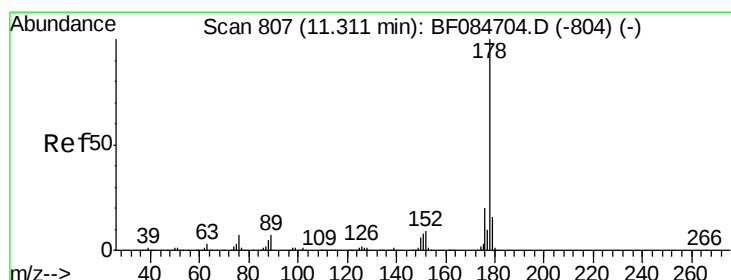
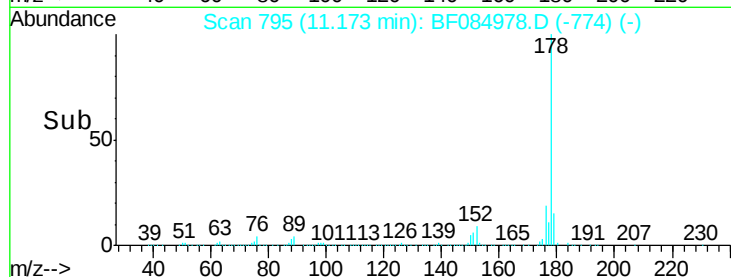
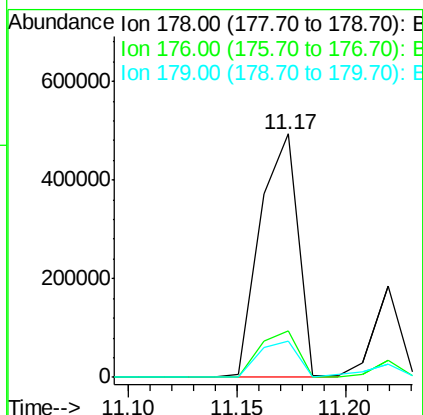
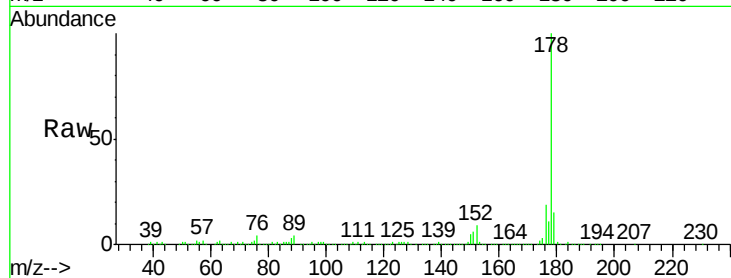
ClientSampleId :

S4-B005(0-2)

Tot Ion:	178	Resp:	602476
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.3	22.9
179	14.9	12.0	18.0

Manual Integrations
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#71

Anthracene

Concen: 6.40 ng

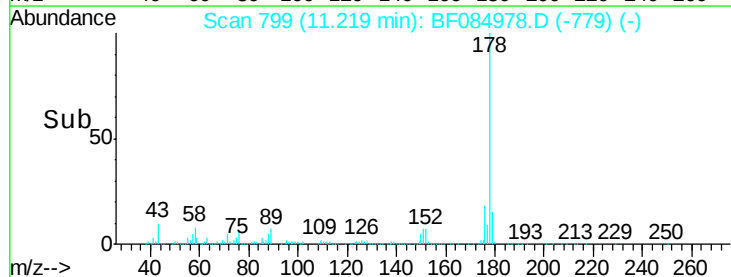
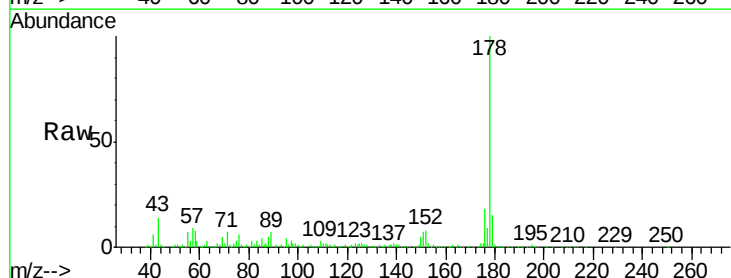
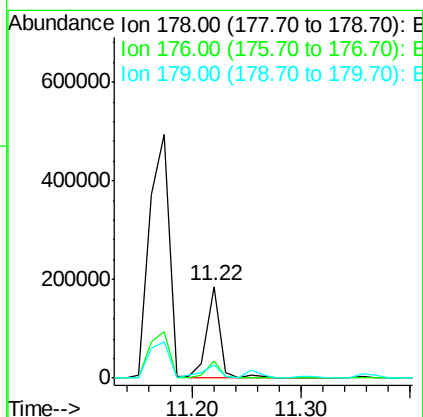
RT: 11.22 min Scan# 799

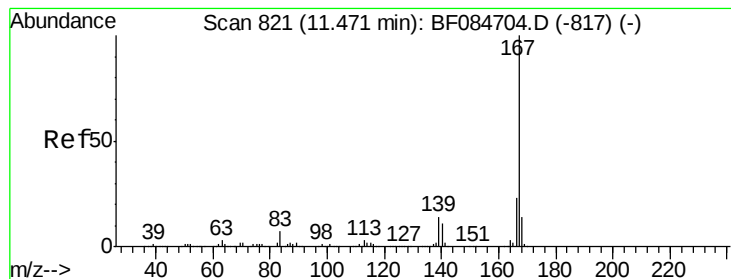
Delta R.T. -0.07 min

Lab File: BF084978.D

Acq: 10 Feb 2016 3:22

Tgt Ion:	178	Resp:	163007
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.4	23.0
179	15.0	12.5	18.7





#72

Carbazole

Concen: 2.78 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.07 min

Lab File: BF084978.D

Acq: 10 Feb 2016 3:22

Instrument :

BNA_F

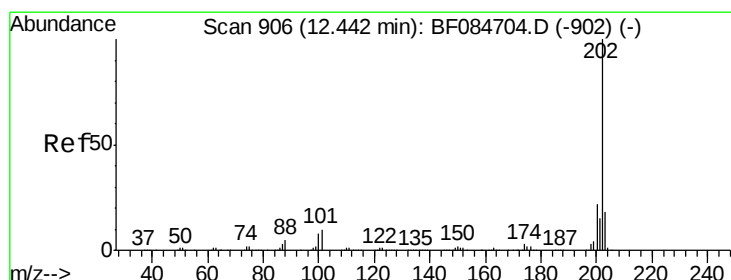
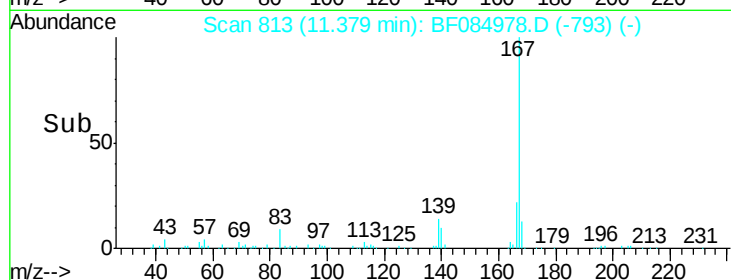
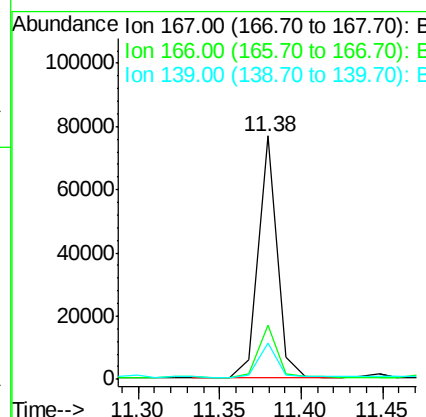
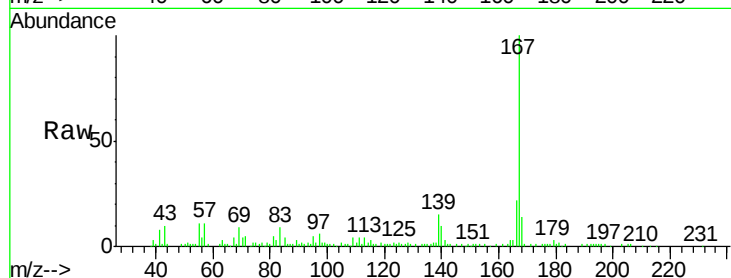
ClientSampleId :

S4-B005(0-2)

Tot Ion:	167	Resp:	61654
Ion Ratio	Lower	Upper	
167	100		
166	22.4	17.6	26.4
139	14.8	11.8	17.8

Manual Integrations
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Sohil
2/10/2016 1:45:14 PM



#74

Fluoranthene

Concen: 23.86 ng

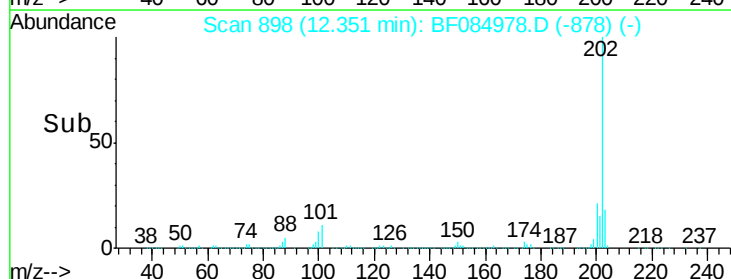
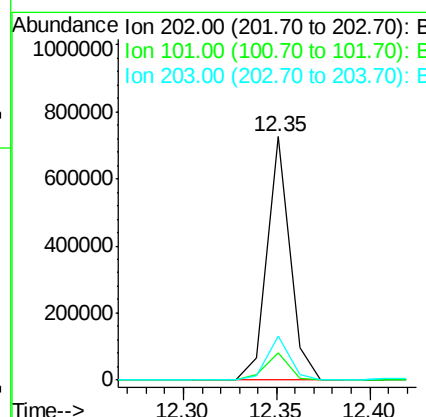
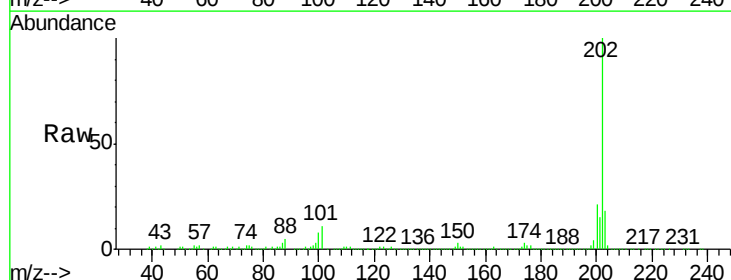
RT: 12.35 min Scan# 898

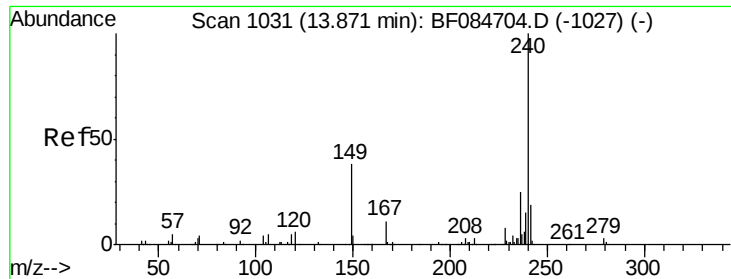
Delta R.T. -0.07 min

Lab File: BF084978.D

Acq: 10 Feb 2016 3:22

Tgt Ion:	202	Resp:	610511
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	32.8
203	18.2	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1022

Delta R.T. -0.07 min

Lab File: BF084978.D

Acq: 10 Feb 2016 3:22

Instrument :

BNA_F

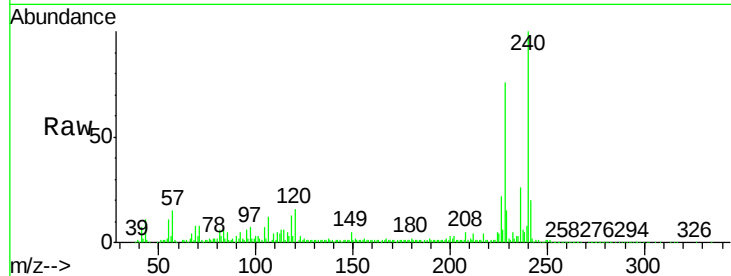
ClientSampleId :

S4-B005(0-2)

Tot Ion:	240	Resp:	307456
Ion Ratio	Lower	Upper	
240	100		
120	16.1	9.5	14.3#
236	25.8	20.6	31.0

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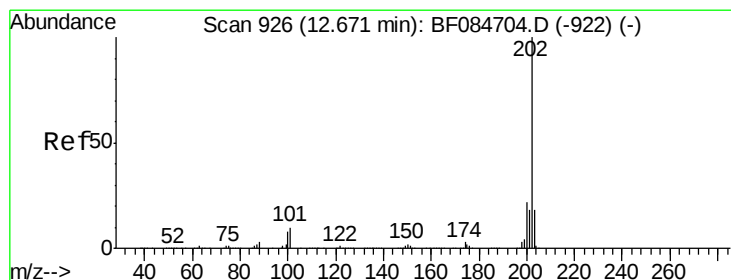
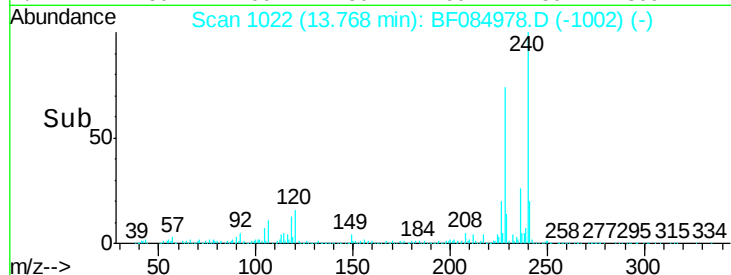
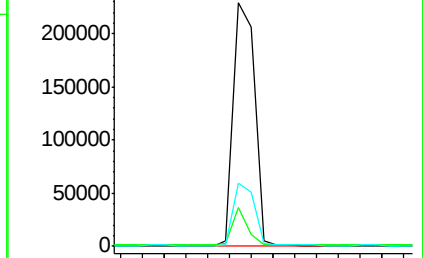
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 23.11 ng

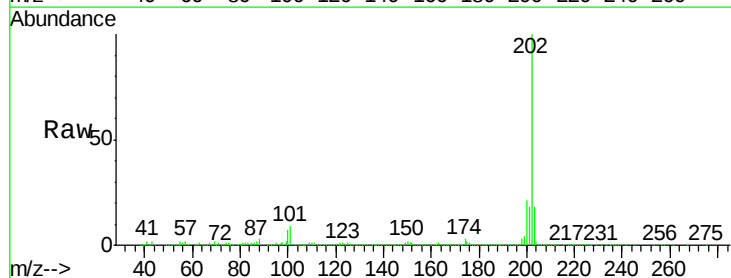
RT: 12.58 min Scan# 918

Delta R.T. -0.06 min

Lab File: BF084978.D

Acq: 10 Feb 2016 3:22

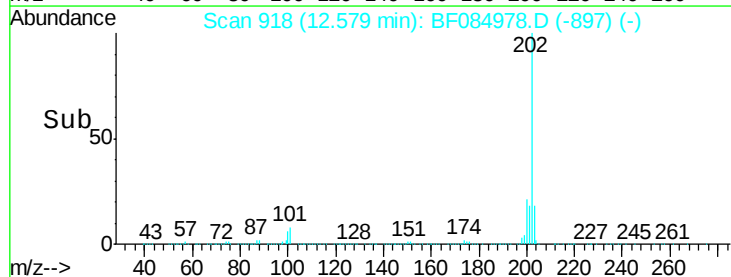
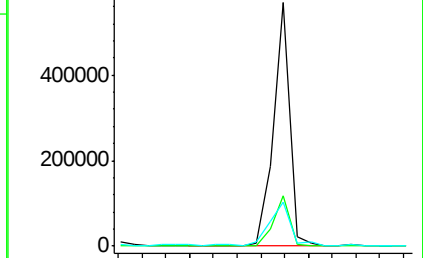
Tgt Ion:	202	Resp:	543976
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.2	25.8
203	18.0	14.3	21.5

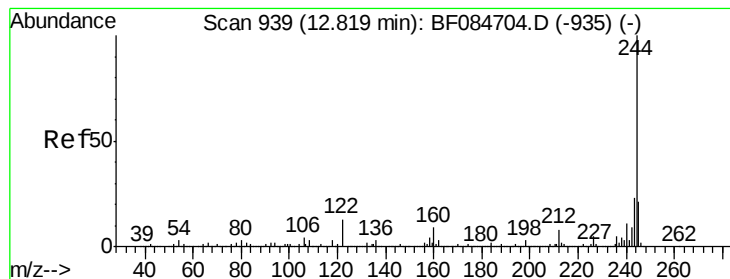


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.09 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.07 min

Lab File: BF084978.D

Acq: 10 Feb 2016 3:22

Instrument :

BNA_F

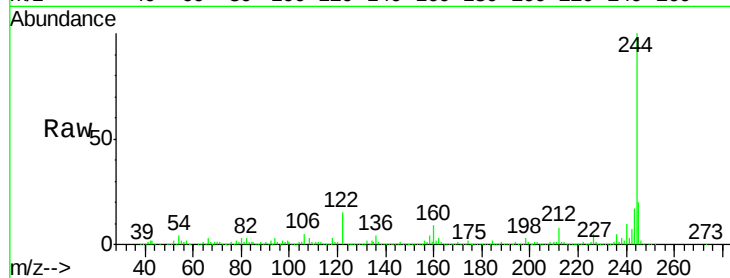
ClientSampleId :

S4-B005(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.7	8.5
122	14.6	7.4	11.0

Manual Integrations
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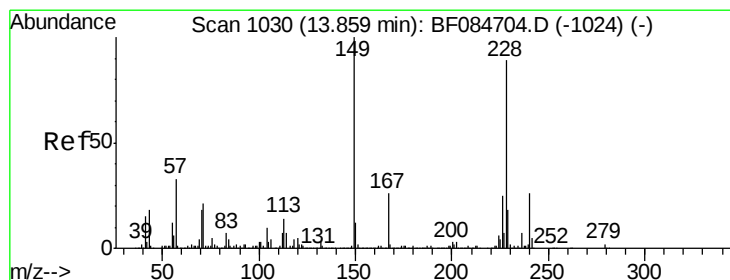
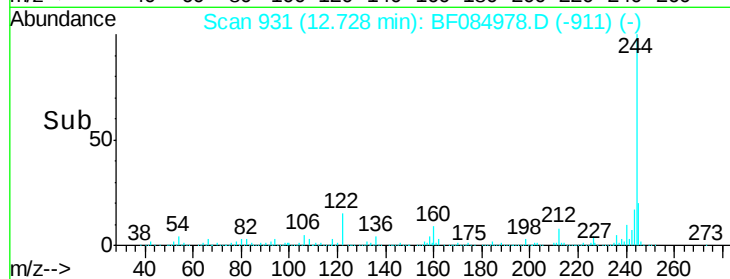
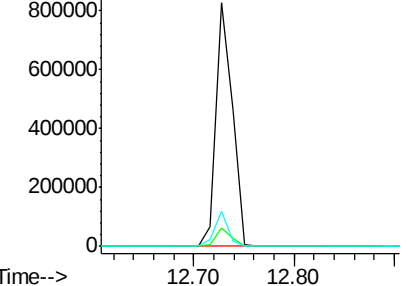
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 12.37 ng

RT: 13.77 min Scan# 1022

Delta R.T. -0.06 min

Lab File: BF084978.D

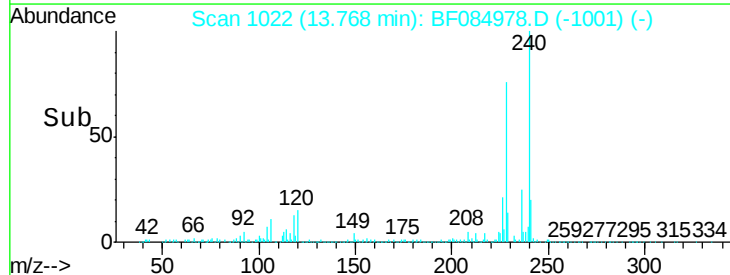
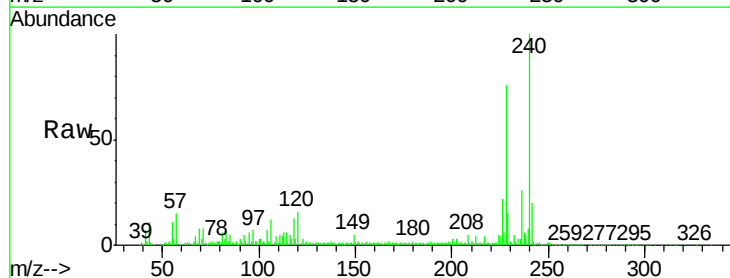
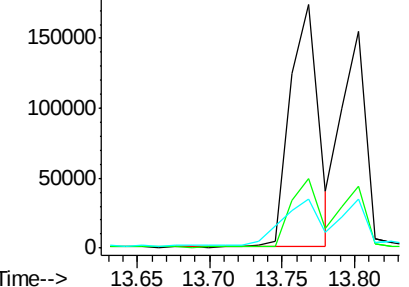
Acq: 10 Feb 2016 3:22

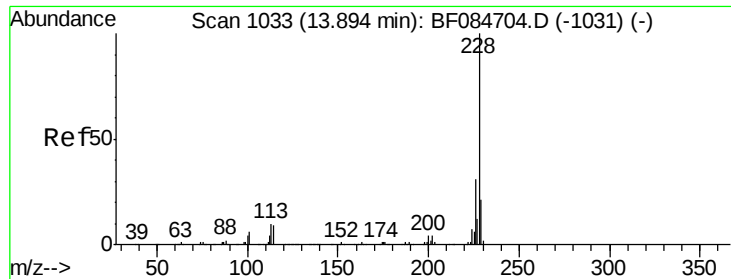
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.8	32.6
229	20.0	15.8	23.8

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





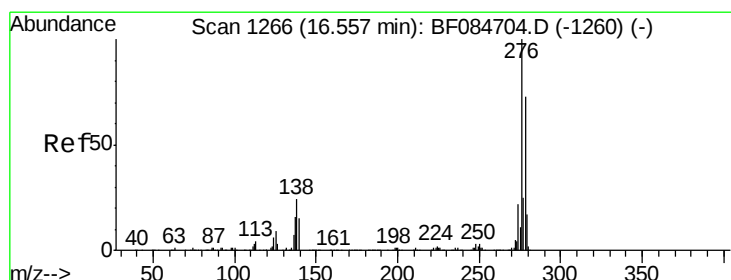
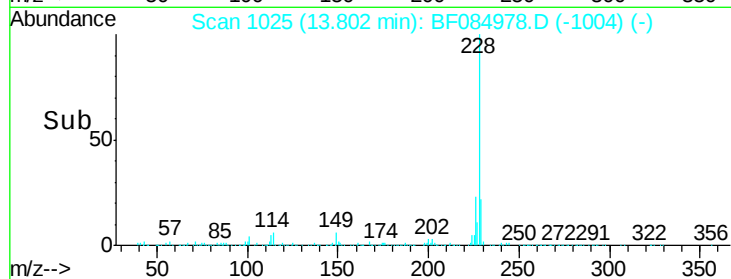
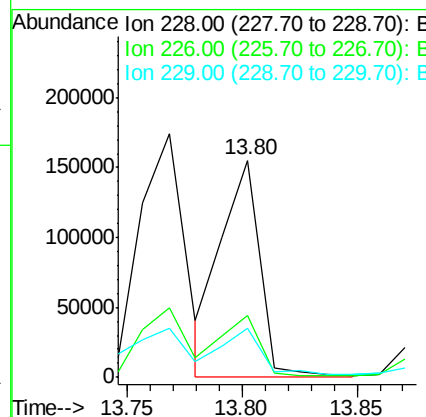
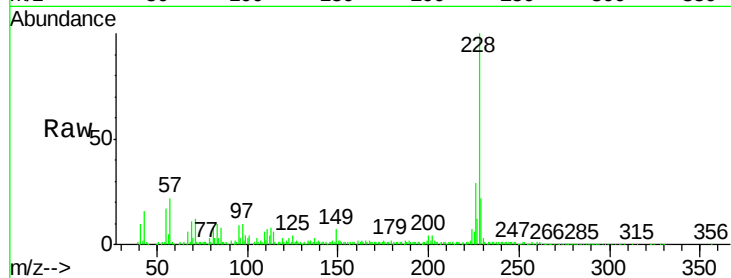
#82
Chrysene
Concen: 9.94 ng/ml
RT: 13.80 min Scan# 1025
Delta R.T. -0.06 min
Lab File: BF084978.D
Acq: 10 Feb 2016 3:22

Instrument :
BNA_F
ClientSampleId :
S4-B005(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.3	36.5
229	22.4	16.1	24.1

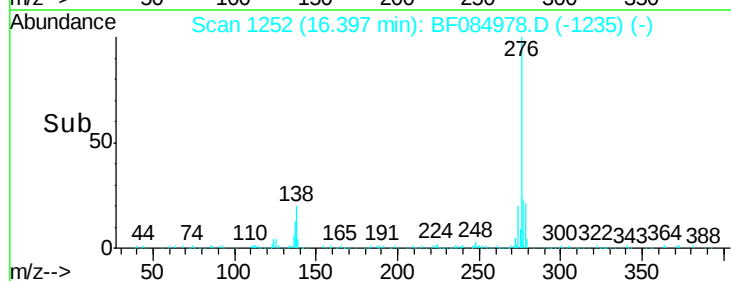
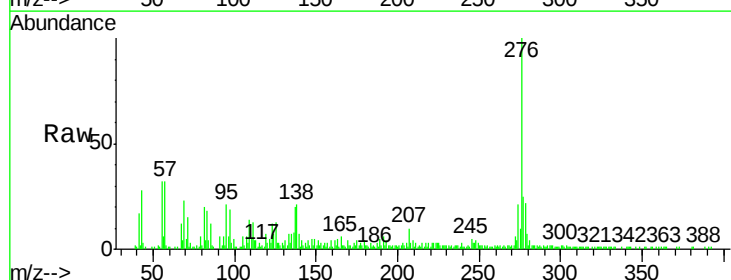
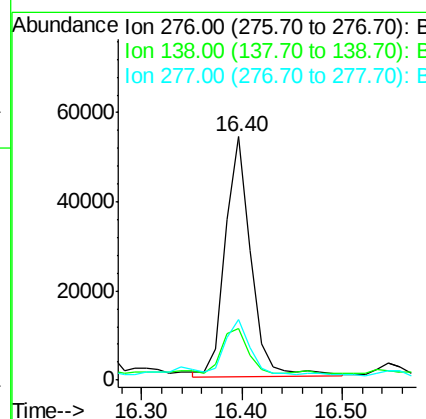
Manual Integrations
APPROVED

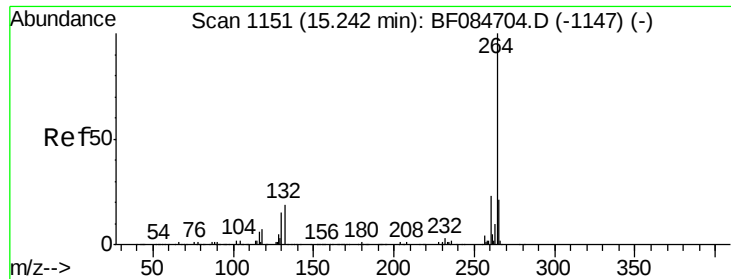
Sohil
2/10/2016 1:45:14 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 6.56 ng
RT: 16.40 min Scan# 1252
Delta R.T. -0.10 min
Lab File: BF084978.D
Acq: 10 Feb 2016 3:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.6	30.8
277	21.3	20.1	30.1





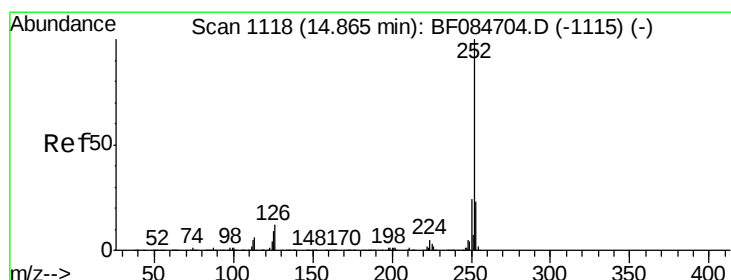
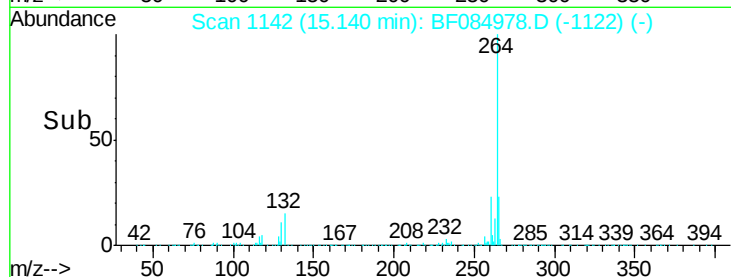
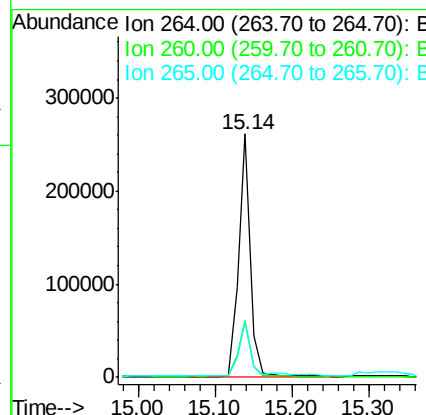
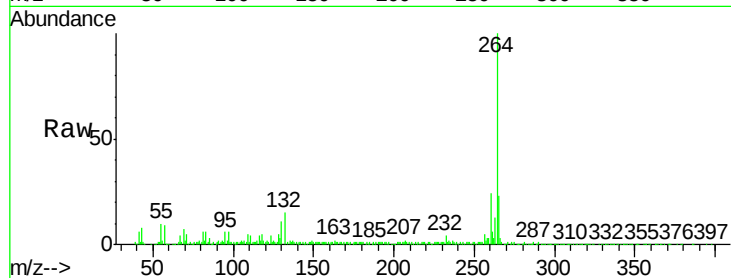
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1142
Delta R.T. -0.07 min
Lab File: BF084978.D
Acq: 10 Feb 2016 3:22

Instrument :
BNA_F
ClientSampleId :
S4-B005(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	23.0	17.8	26.6

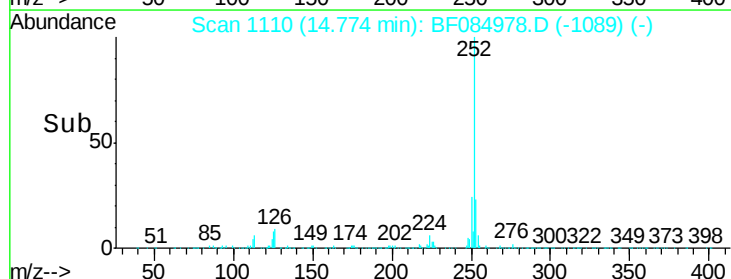
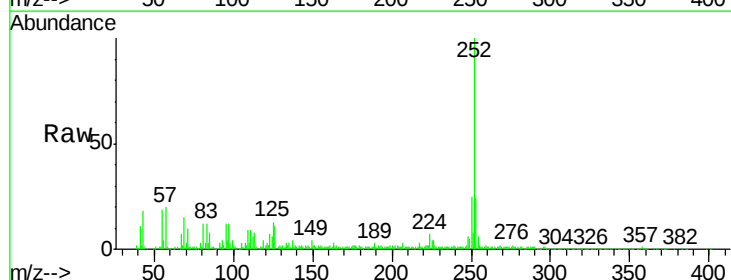
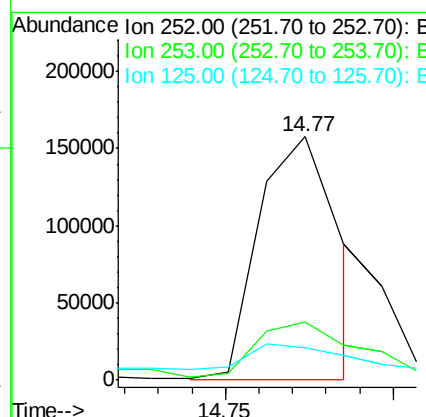
Manual Integrations
APPROVED

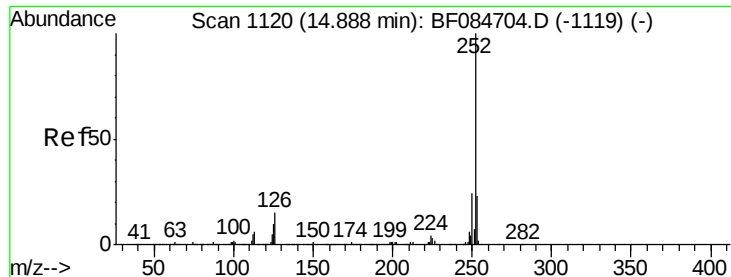
Sohil
2/10/2016 1:45:14 PM



#87
Benzo(b)fluoranthene
Concen: 13.59 ng m
RT: 14.77 min Scan# 1110
Delta R.T. -0.06 min
Lab File: BF084978.D
Acq: 10 Feb 2016 3:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.3	25.9
125	13.4	6.5	9.7#





#88

Benzo(k)fluoranthene

Concen: 3.29 ng/mL

RT: 14.79 min Scan# 1111

Delta R.T. -0.07 min

Lab File: BF084978.D

Acq: 10 Feb 2016 3:22

Instrument :

BNA_F

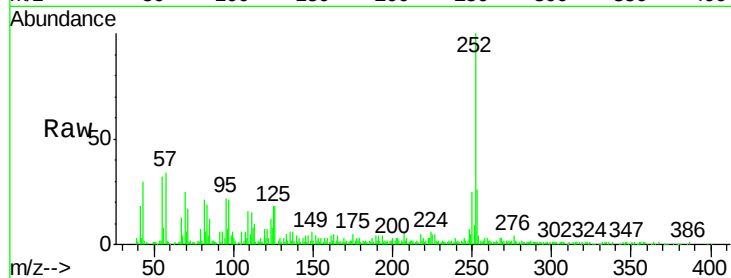
Client Sample ID :

S4-B005(0-2)

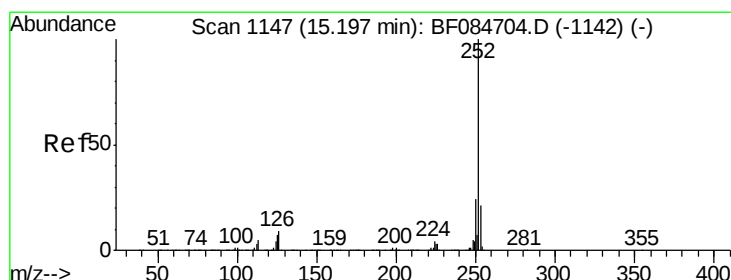
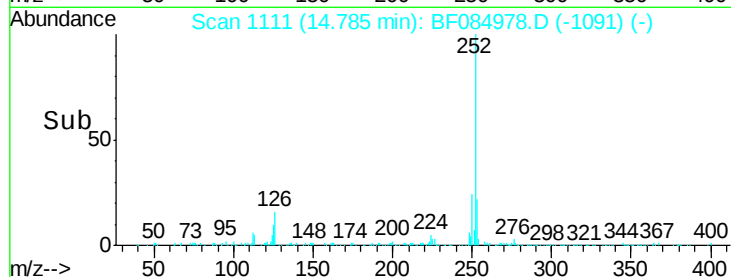
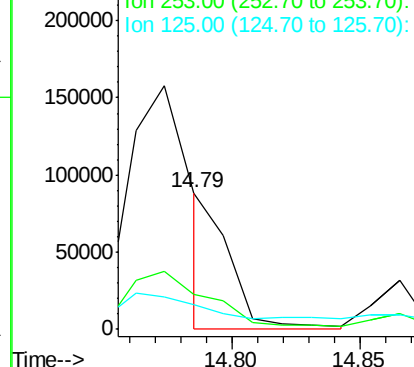
Tot Ion	Ratio	Resp	Lower	Upper
252	100	52295		
253	25.5	18.1	27.1	
125	17.8	9.0	13.6	

Manual Integrations
APPROVED

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2/10/2016 1:45:14 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 10.08 ng/mL

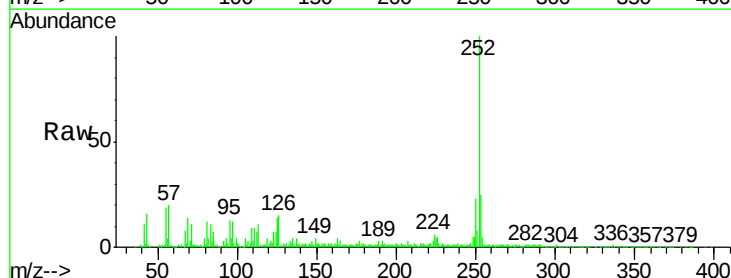
RT: 15.08 min Scan# 1137

Delta R.T. -0.07 min

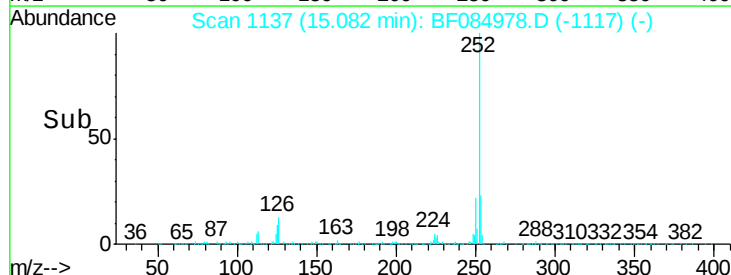
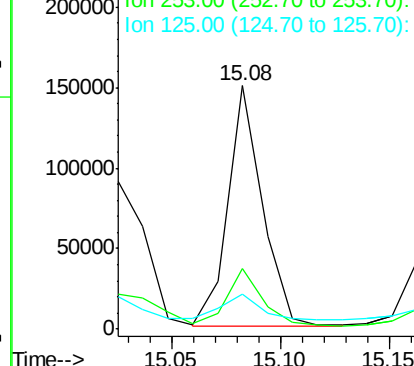
Lab File: BF084978.D

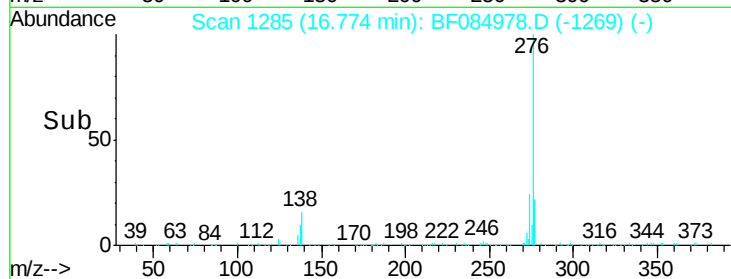
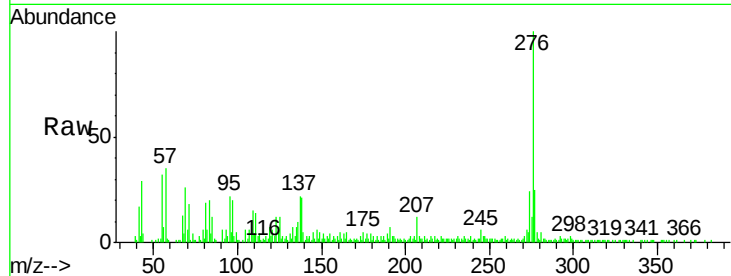
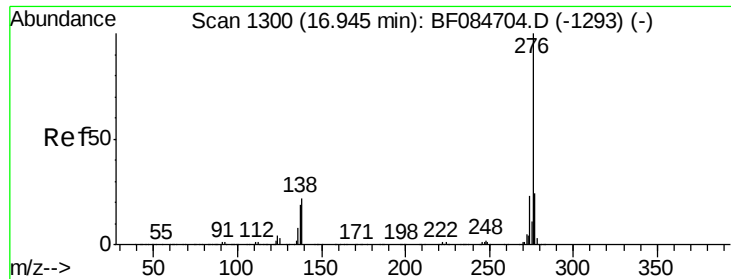
Acq: 10 Feb 2016 3:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	165130		
253	25.0	17.3	25.9	
125	14.5	7.0	10.4	



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 6.37 ng

RT: 16.77 min Scan# 1285

Delta R.T. -0.11 min

Lab File: BF084978.D

Acq: 10 Feb 2016 3:22

Instrument :

BNA_F

ClientSampleId :

S4-B005(0-2)

Tot Ion:	276	Resp:	88518
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.8	28.2
138	20.7	17.8	26.6

Manual Integrations
APPROVED

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2/10/2016 1:45:14 PM

