

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
 Data File : BF084869.D
 Acq On : 5 Feb 2016 19:38
 Operator : SJ/IZ
 Sample : H1311-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B006(20-22)

Manual Integrations
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Sohil
 2/8/2016 2:58:45 PM

Quant Time: Feb 08 10:04:31 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	6.66	152	162249	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	512225	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	208745	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	427454	20.00	ng	-0.01
75) Chrysene-d12	13.80	240	402083	20.00	ng	-0.03
86) Perylene-d12	15.17	264	300396	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	1353302	129.92	ng	-0.02
7) Phenol-d6	6.32	99	1579772	122.33	ng	-0.02
23) Nitrobenzene-d5	7.23	82	1084419	119.26	ng	-0.03
41) 2,4,6-Tribromophenol	10.51	330	319738	146.84	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	1259239	115.31	ng	-0.02
78) Terphenyl-d14	12.76	244	1374981	77.49	ng	-0.03
Target Compounds						
49) Dimethylphthalate	9.44	163	158152	9.95	ng	# 3
51) Acenaphthene	9.74	154	259330	19.13	ng	95
57) Fluorene	10.26	166	465238	33.63	ng	# 84
70) Phenanthrene	11.22	178	513647	21.67	ng	# 91
71) Anthracene	11.27	178	191346	8.01	ng	# 74
74) Fluoranthene	12.40	202	409258	17.06	ng	94
77) Pyrene	12.61	202	406395	13.20	ng	98
80) Benzo(a)anthracene	13.79	228	94653	3.79	ng	98
82) Chrysene	13.83	228	68251m	2.82	ng	
87) Benzo(b)fluoranthene	14.80	252	65039m	3.22	ng	

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

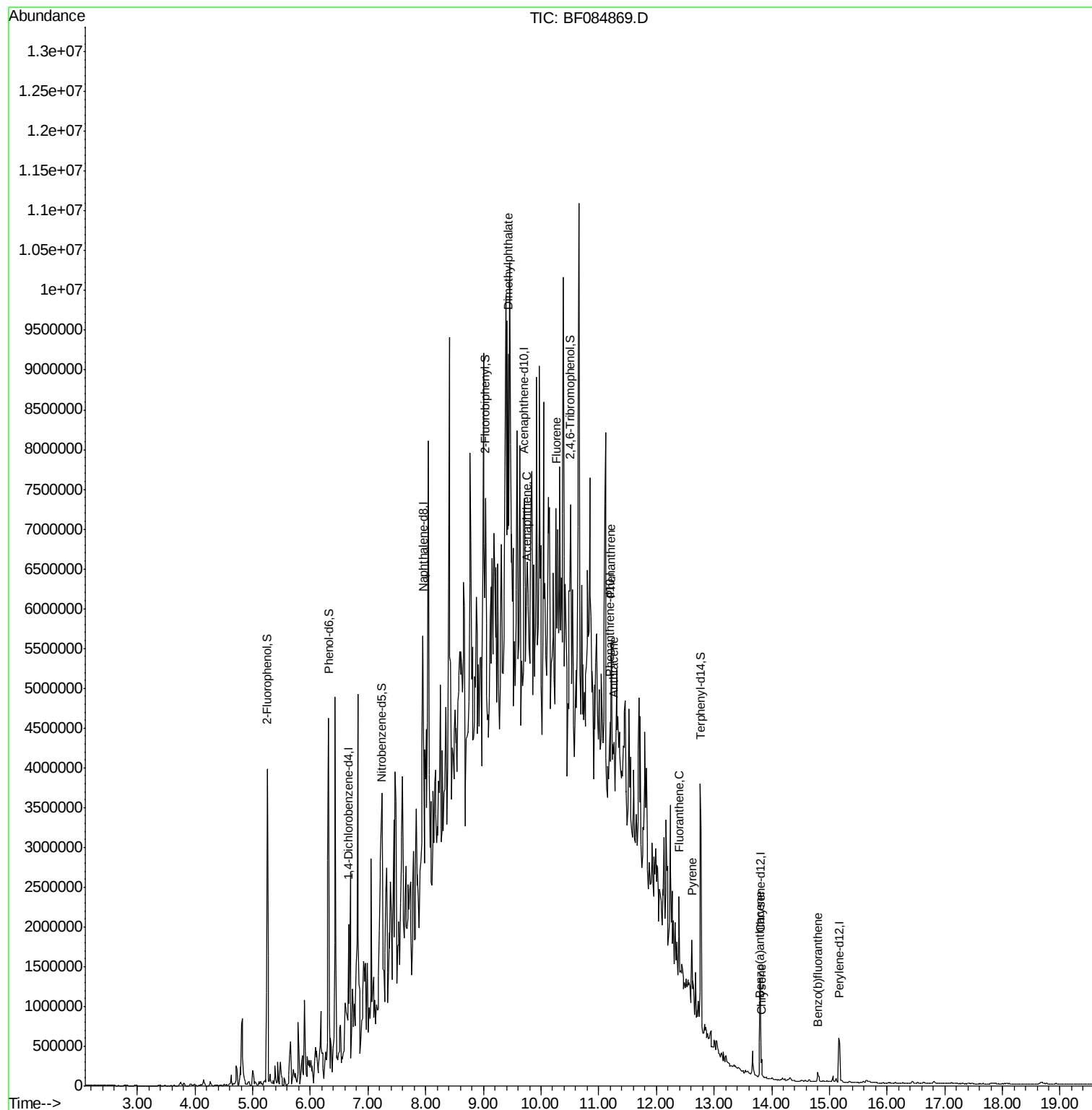
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
Data File : BF084869.D
Acq On : 5 Feb 2016 19:38
Operator : SJ/IZ
Sample : H1311-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

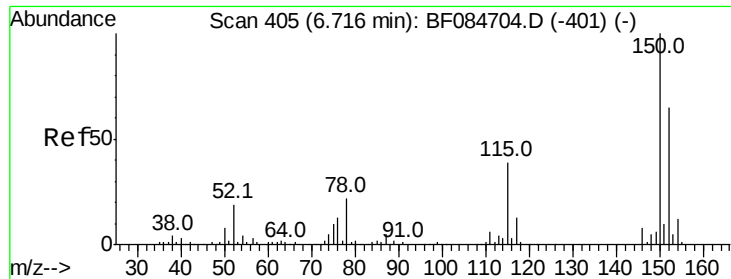
Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

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#1

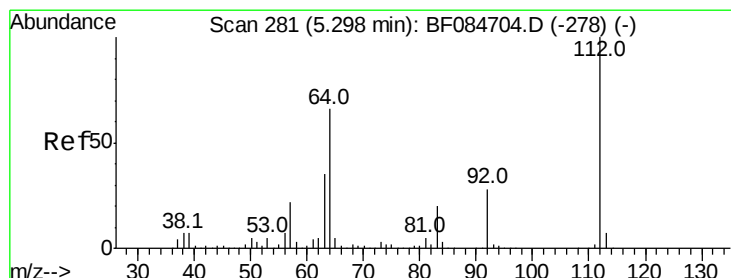
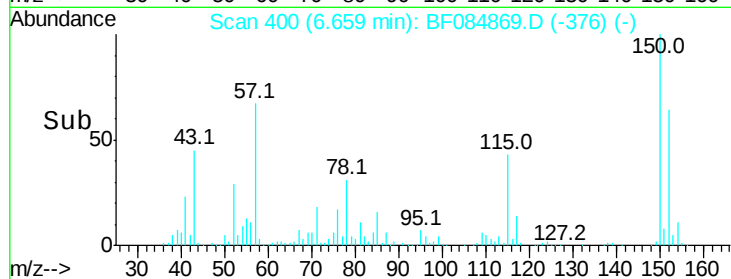
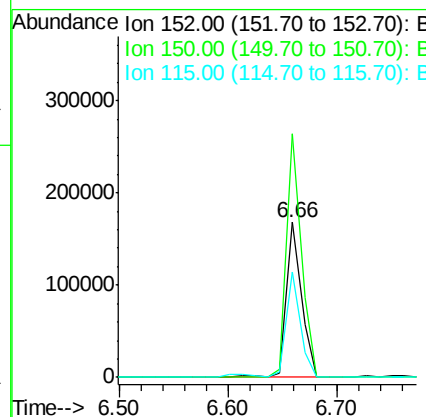
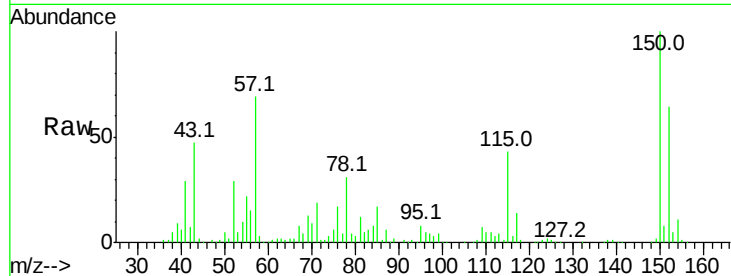
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 400
Delta R.T. -0.02 min
Lab File: BF084869.D
Acq: 5 Feb 2016 19:38

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	123.0	184.4
115	68.5	51.4	77.2

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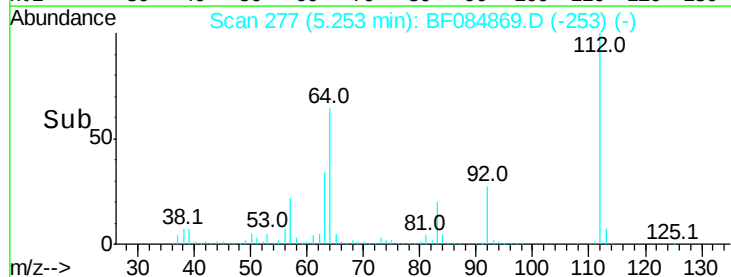
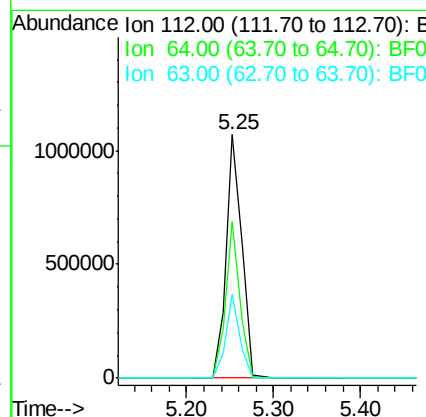
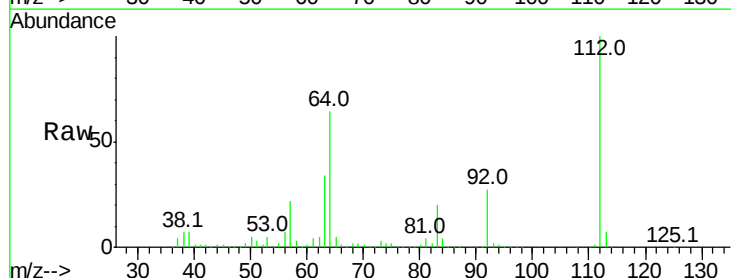
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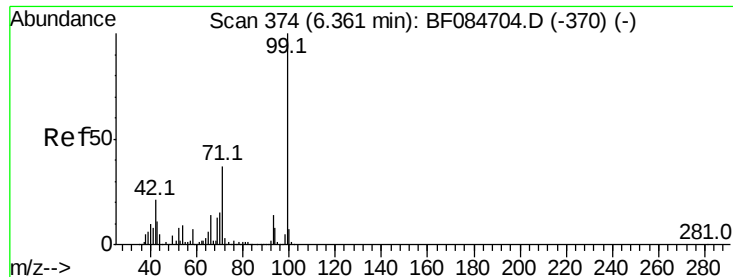


#5

2-Fluorophenol
Concen: 129.92 ng
RT: 5.25 min Scan# 277
Delta R.T. -0.02 min
Lab File: BF084869.D
Acq: 5 Feb 2016 19:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	36.6	55.0#
63	34.1	19.4	29.0#





#7

Phenol-d6

Concen: 122.33 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.02 min

Lab File: BF084869.D

Acq: 5 Feb 2016 19:38

Instrument :

BNA_F

ClientSampleId :

SUP-B006(20-22)

Tot Ion: 99 Resp: 1579772

Ion Ratio Lower Upper

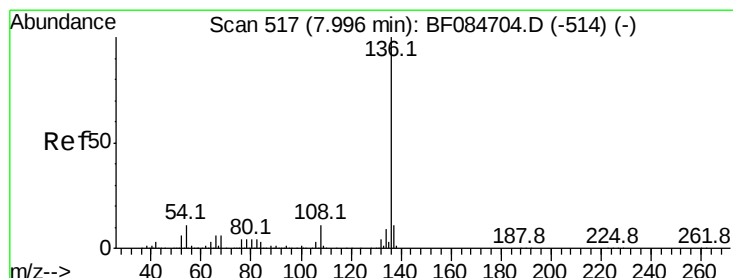
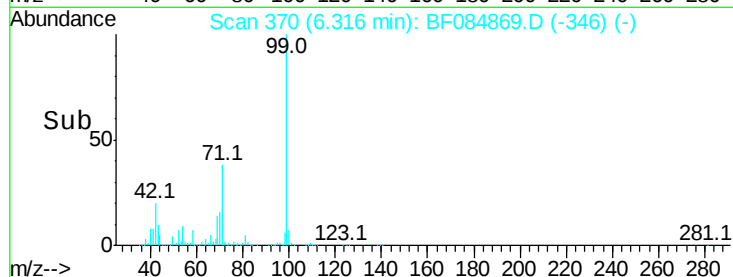
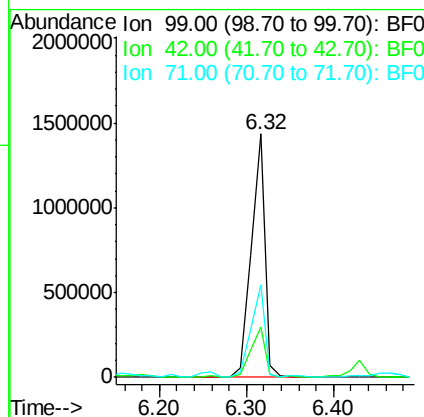
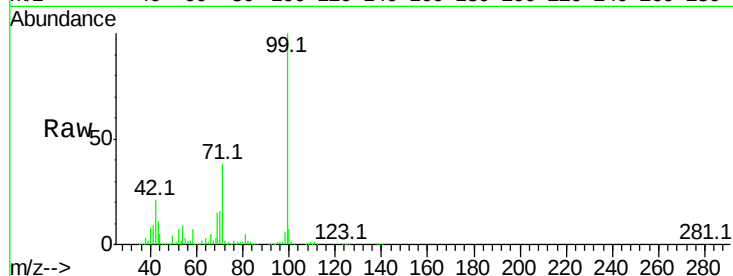
99 100

42 20.5 12.8 19.2#

71 38.0 30.9 46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF084869.D

Acq: 5 Feb 2016 19:38

Tgt Ion: 136 Resp: 512225

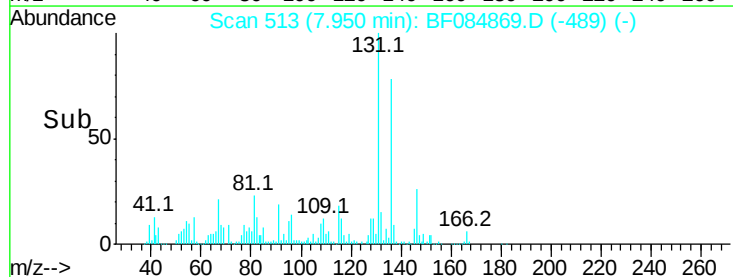
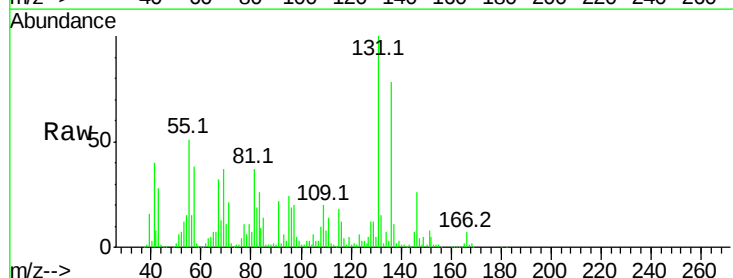
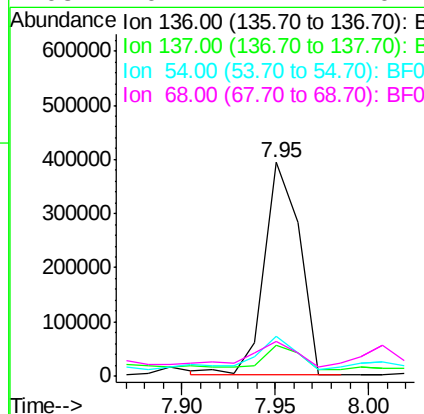
Ion Ratio Lower Upper

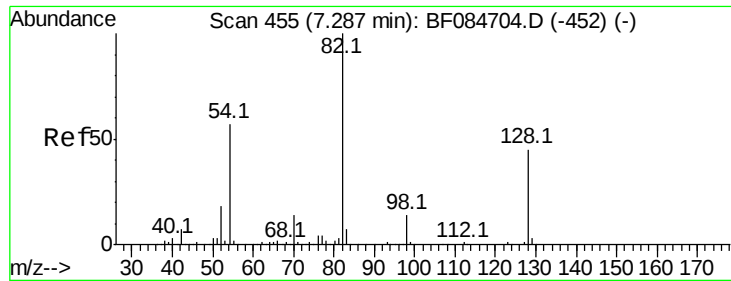
136 100

137 14.5 8.7 13.1#

54 18.7 5.8 8.8#

68 16.2 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 119.26 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF084869.D

Acq: 5 Feb 2016 19:38

Instrument :

BNA_F

ClientSampleId :

SUP-B006(20-22)

Tot Ion: 82 Resp: 1084419

Ion Ratio Lower Upper

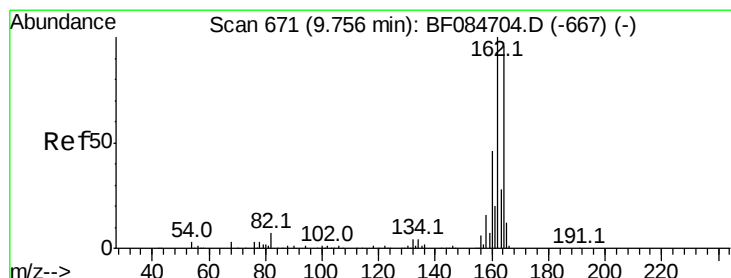
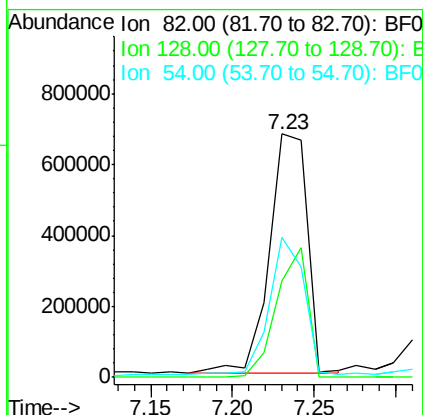
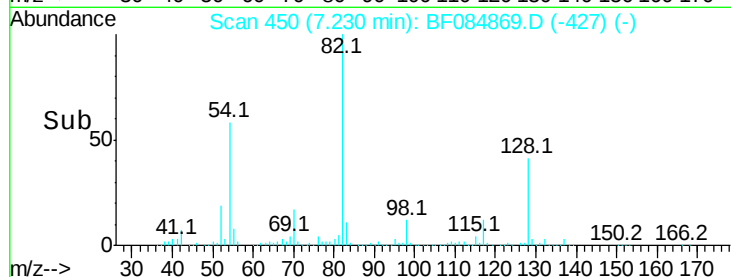
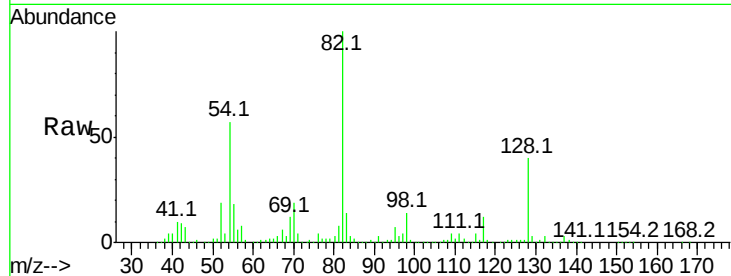
82 100

128 39.8 34.6 51.8

54 57.4 38.4 57.6

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#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF084869.D

Acq: 5 Feb 2016 19:38

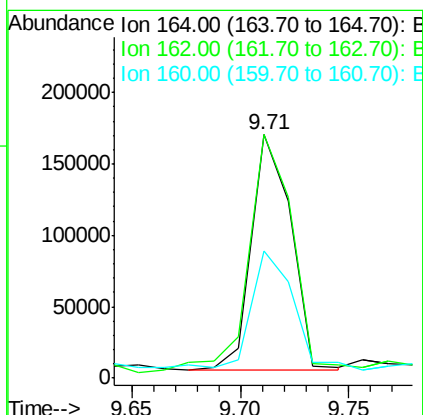
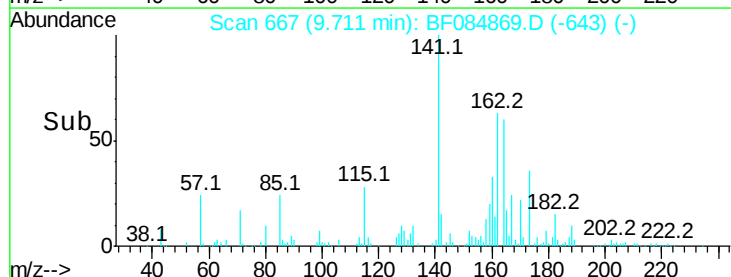
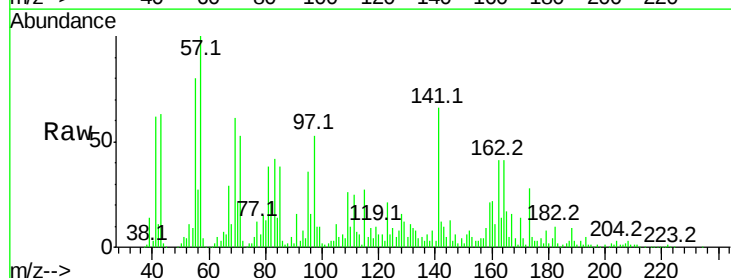
Tgt Ion:164 Resp: 208745

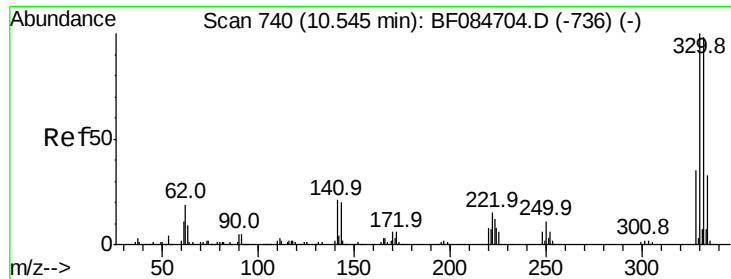
Ion Ratio Lower Upper

164 100

162 100.1 85.1 127.7

160 52.3 37.5 56.3





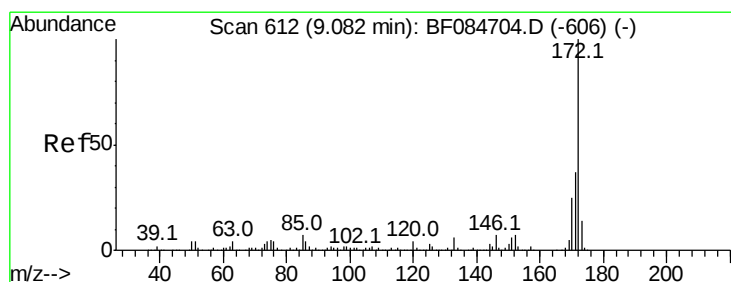
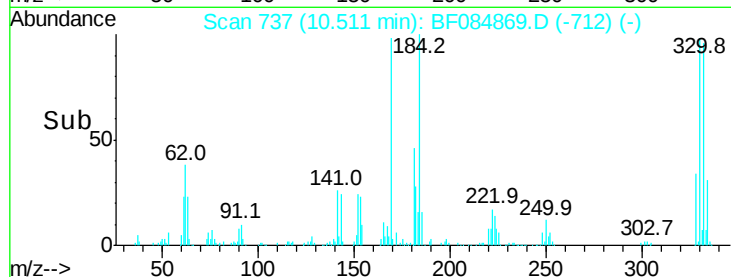
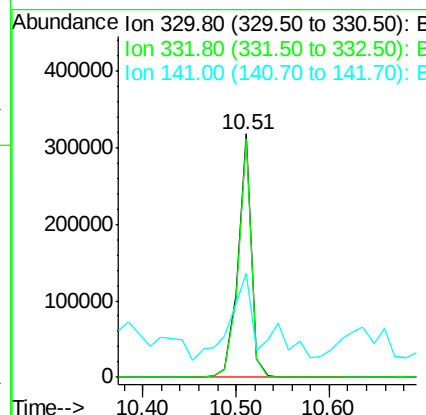
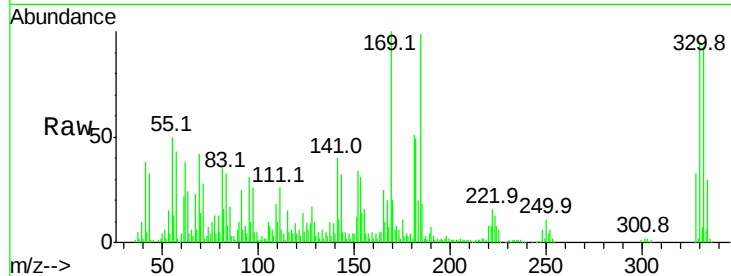
#41
 2,4,6-Tribromophenol
 Concen: 146.84 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: BF084869.D
 Acq: 5 Feb 2016 19:38

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B006(20-22)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.0	76.6	114.8	
141	62.4	27.8	41.6	

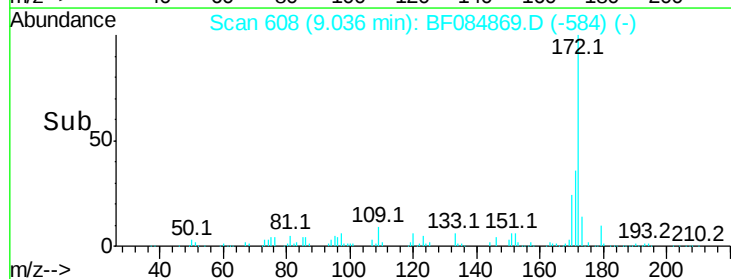
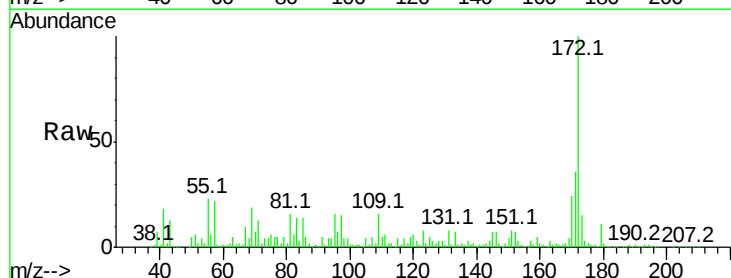
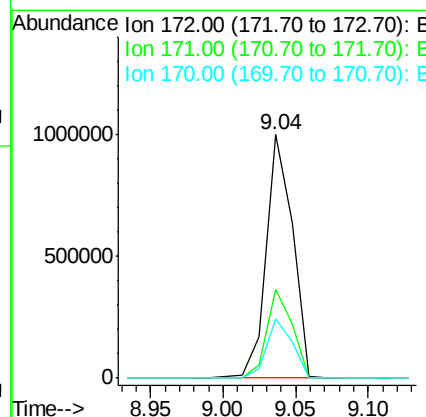
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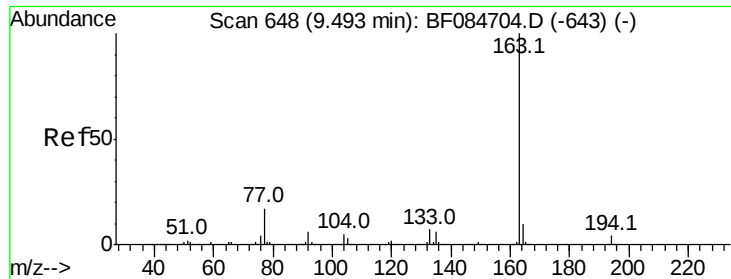
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#44
 2-Fluorobiphenyl
 Concen: 115.31 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF084869.D
 Acq: 5 Feb 2016 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.5	28.9	43.3	
170	24.4	18.6	27.8	





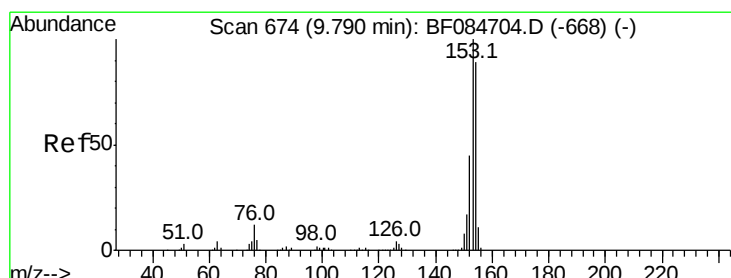
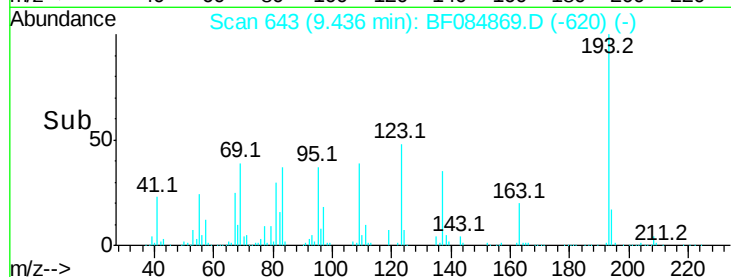
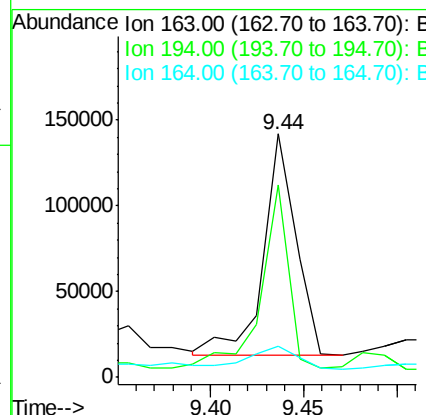
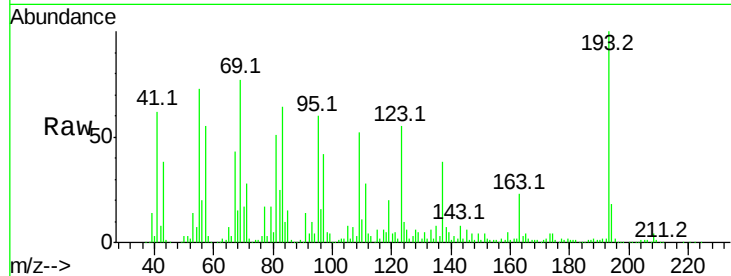
#49
Dimethylphthalate
Concen: 9.95 ng
RT: 9.44 min Scan# 643
Delta R.T. -0.03 min
Lab File: BF084869.D
Acq: 5 Feb 2016 19:38

Instrument :
BNA_F
ClientSampleId :
SUP-B006(20-22)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	78.9	8.0	12.0#
164	12.8	8.0	12.0#

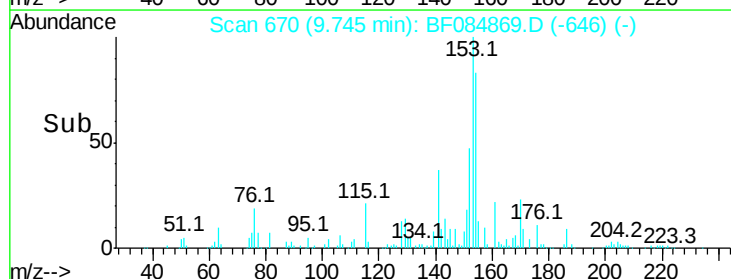
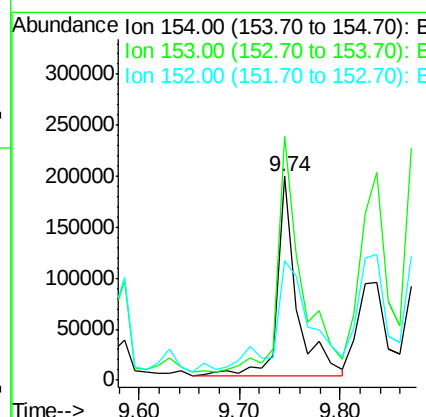
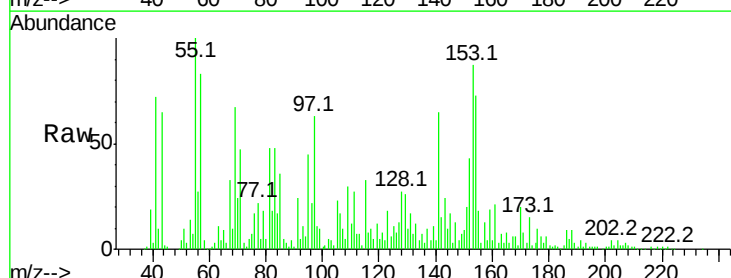
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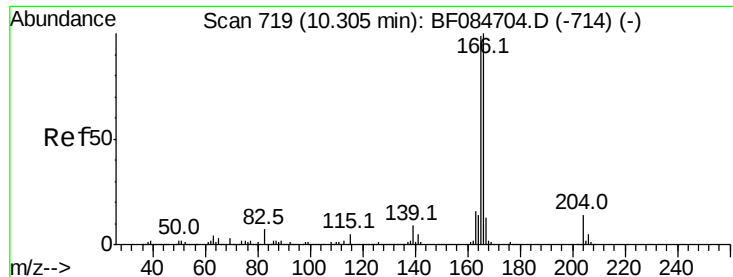
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#51
Acenaphthene
Concen: 19.13 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF084869.D
Acq: 5 Feb 2016 19:38

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	119.7	91.5	137.3
152	58.6	43.0	64.6





#57

Fluorene

Concen: 33.63 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF084869.D

Acq: 5 Feb 2016 19:38

Instrument :

BNA_F

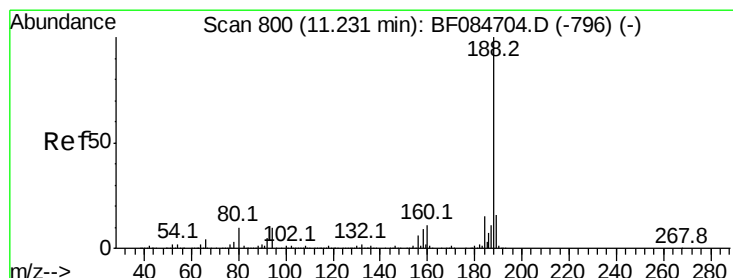
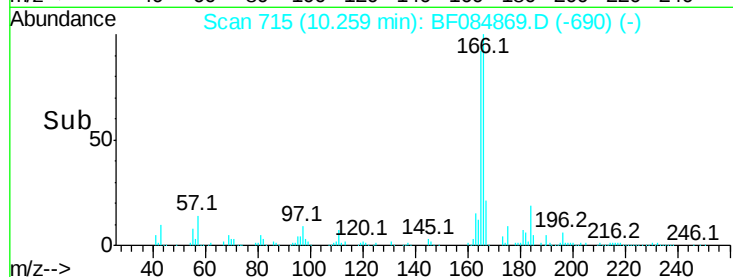
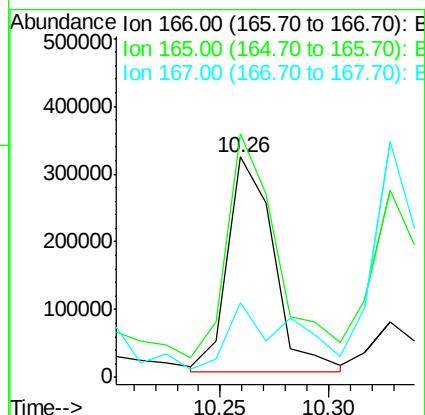
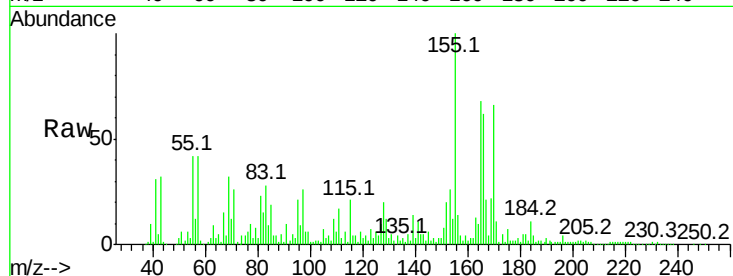
ClientSampleId :

SUP-B006(20-22)

Tot Ion:	166	Resp:	465238
Ion Ratio	Lower	Upper	
166	100		
165	110.4	79.1	118.7
167	33.9	10.4	15.6#

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#63

Phenanthrene-d10

Concen: 20.00 ng

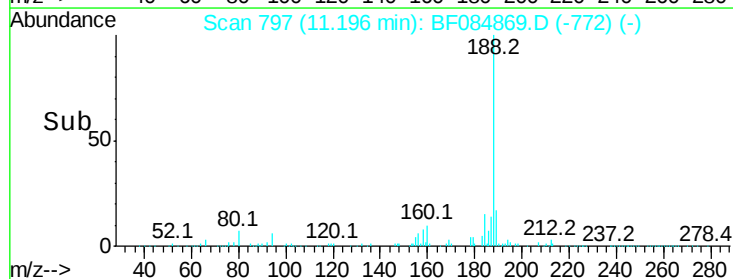
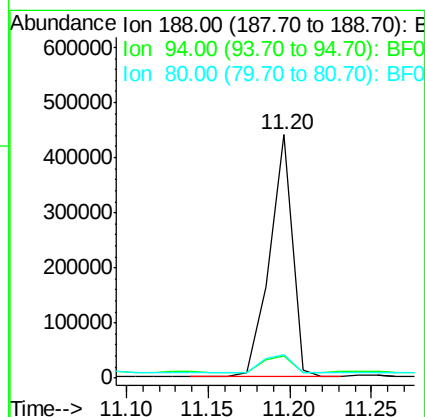
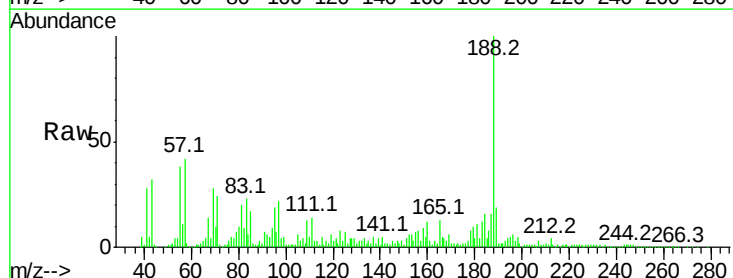
RT: 11.20 min Scan# 797

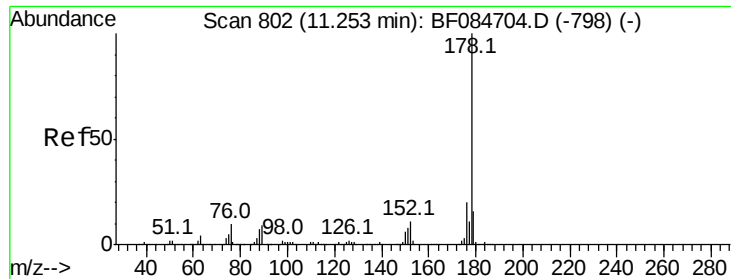
Delta R.T. -0.01 min

Lab File: BF084869.D

Acq: 5 Feb 2016 19:38

Tgt Ion:	188	Resp:	427454
Ion Ratio	Lower	Upper	
188	100		
94	9.0	9.0	13.4
80	9.5	9.6	14.4#





#70

Phenanthrene

Concen: 21.67 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF084869.D

Acq: 5 Feb 2016 19:38

Instrument :

BNA_F

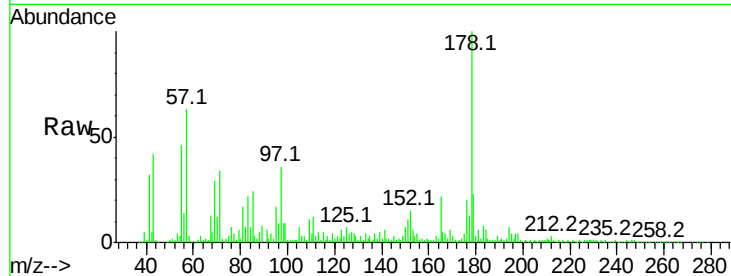
ClientSampleId :

SUP-B006(20-22)

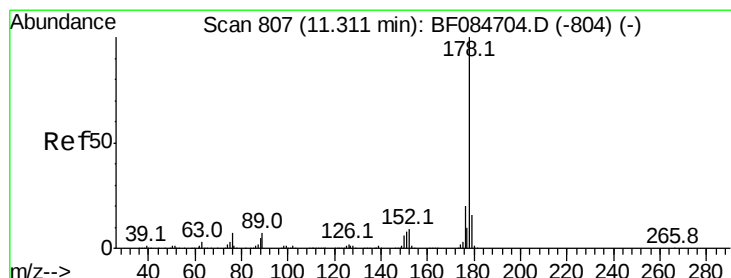
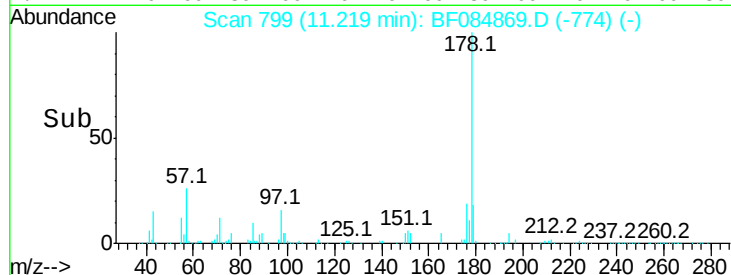
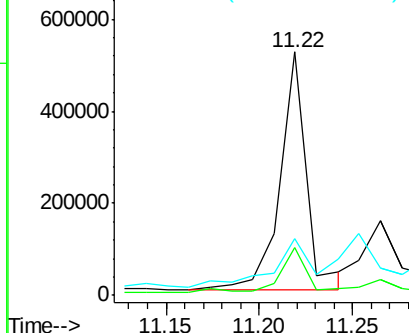
Tot Ion:	178	Resp:	513647
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.3	22.9
179	23.2	12.0	18.0#

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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: 8.01 ng

RT: 11.27 min Scan# 803

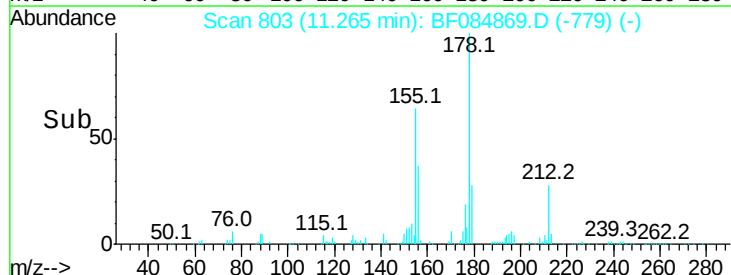
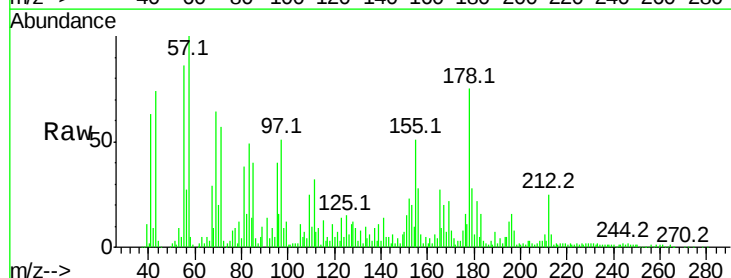
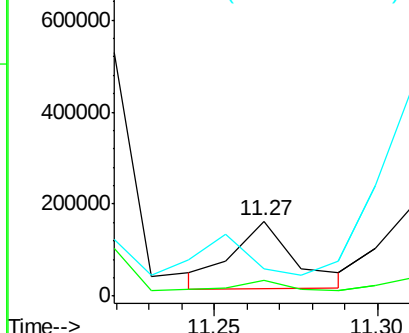
Delta R.T. -0.02 min

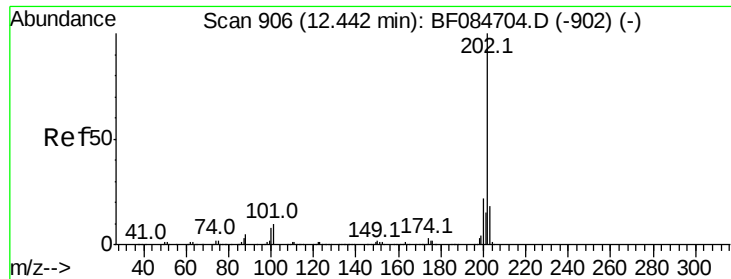
Lab File: BF084869.D

Acq: 5 Feb 2016 19:38

Tgt Ion:	178	Resp:	191346
Ion Ratio	Lower	Upper	
178	100		
176	21.6	15.4	23.0
179	36.8	12.5	18.7#

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: 17.06 ng

RT: 12.40 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF084869.D

Acq: 5 Feb 2016 19:38

Instrument :

BNA_F

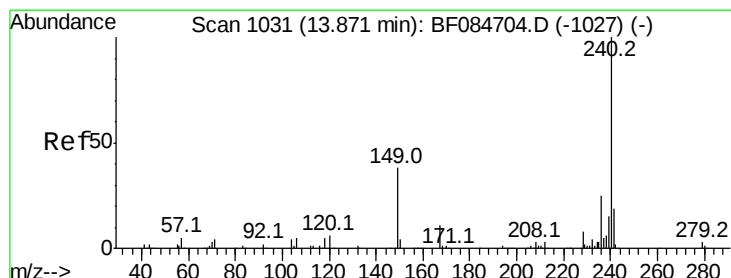
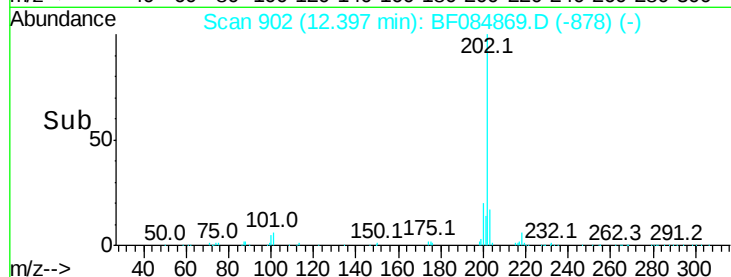
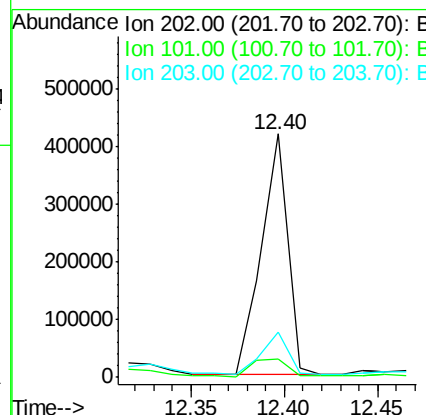
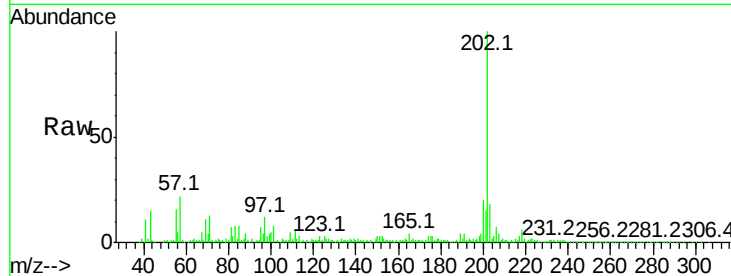
ClientSampleId :

SUP-B006(20-22)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.6	0.0	32.8
203	18.3	0.0	37.9

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#75

Chrysene-d12

Concen: 20.00 ng

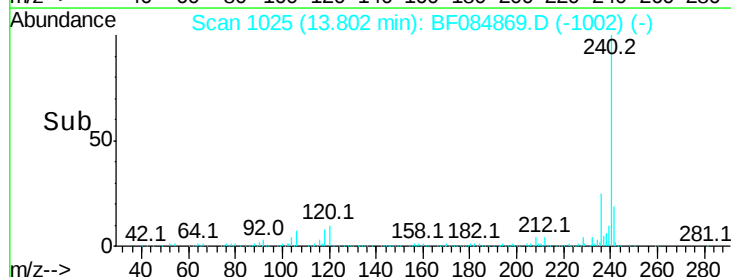
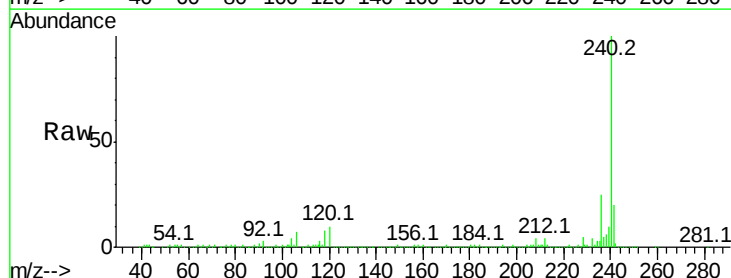
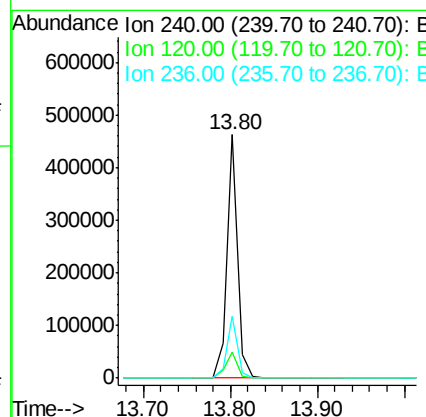
RT: 13.80 min Scan# 1025

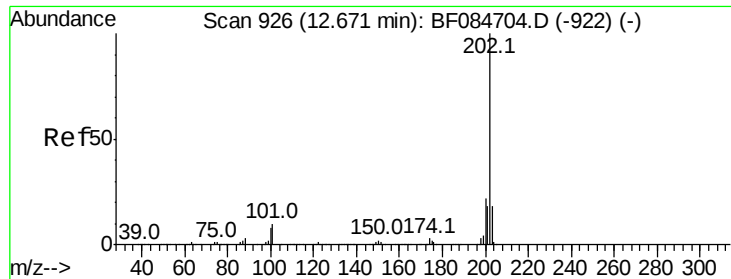
Delta R.T. -0.03 min

Lab File: BF084869.D

Acq: 5 Feb 2016 19:38

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.4	9.5	14.3
236	25.2	20.6	31.0





#77

Pvrene

Concen: 13.20 ng

RT: 12.61 min Scan# 921

Delta R.T. -0.02 min

Lab File: BF084869.D

Acq: 5 Feb 2016 19:38

Instrument :

BNA_F

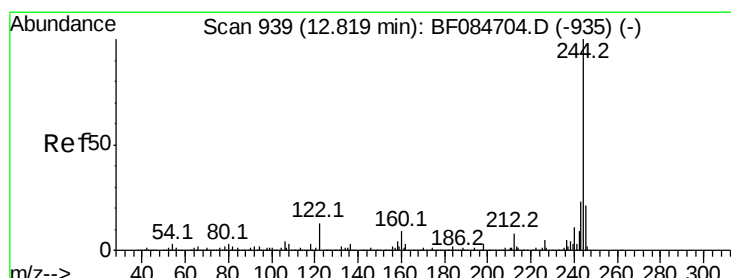
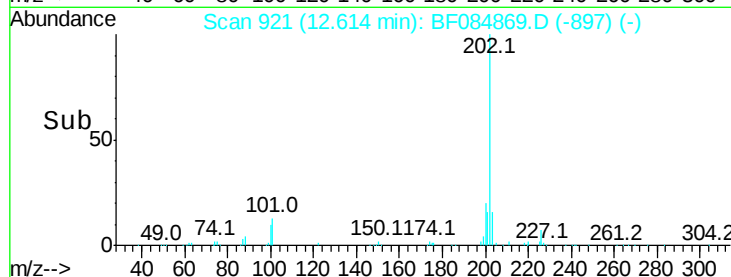
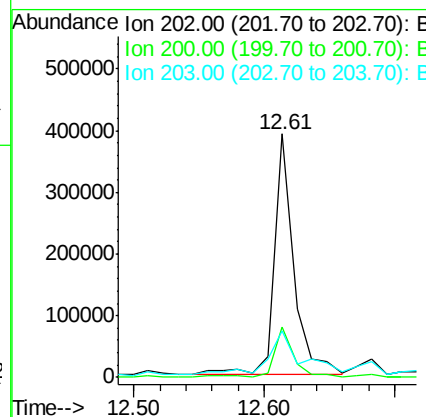
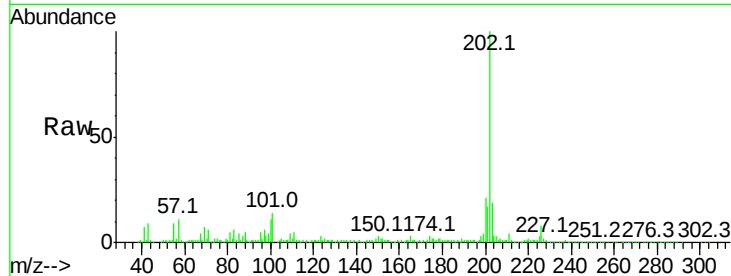
ClientSampleId :

SUP-B006(20-22)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.2	25.8
203	19.3	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 77.49 ng

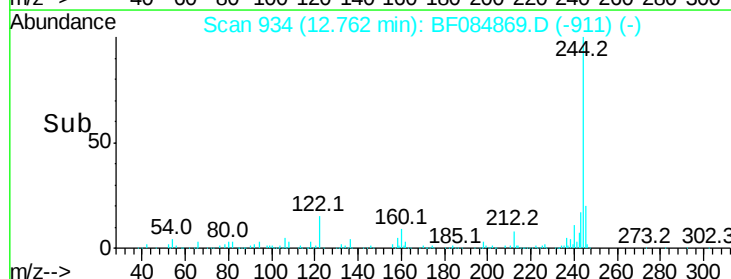
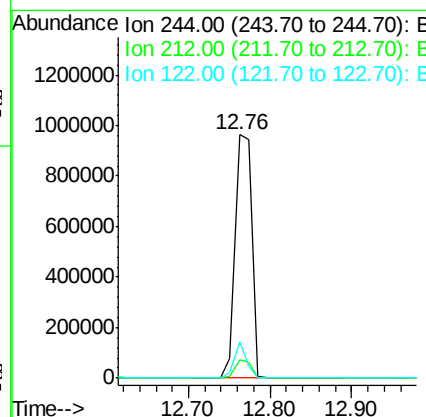
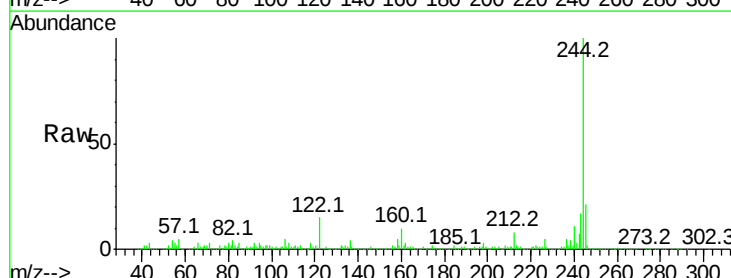
RT: 12.76 min Scan# 934

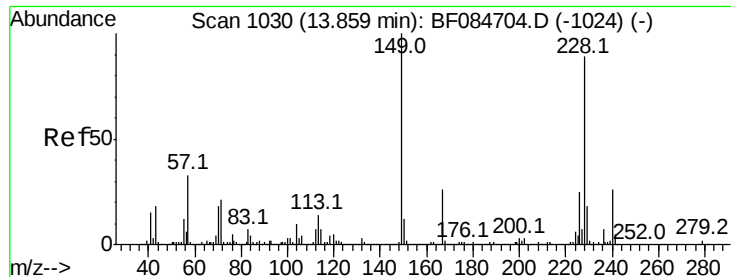
Delta R.T. -0.03 min

Lab File: BF084869.D

Acq: 5 Feb 2016 19:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.7	8.5
122	15.1	7.4	11.0#





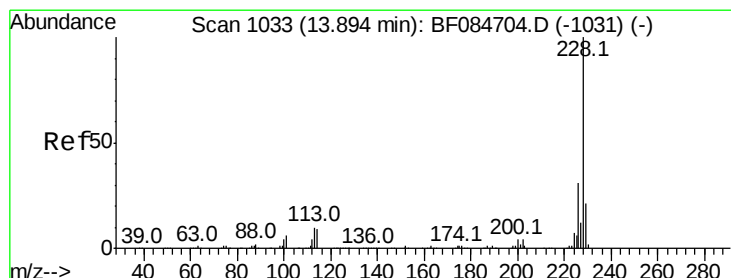
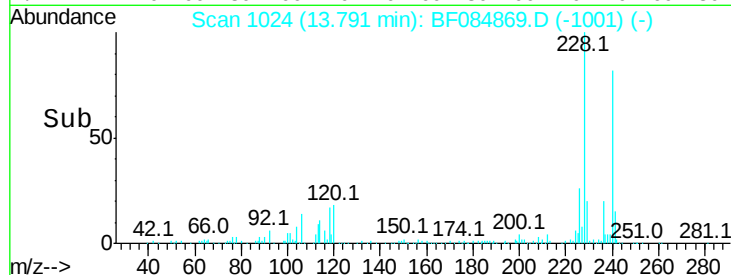
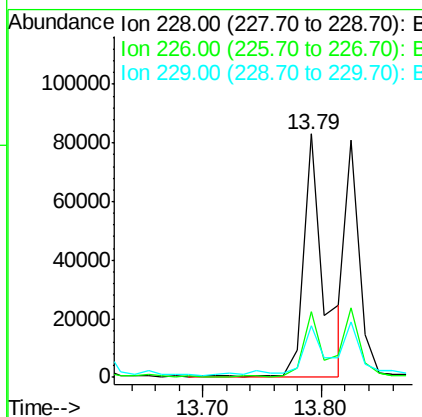
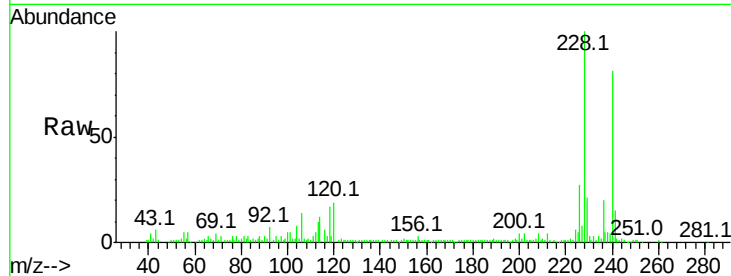
#80
 Benzo(a)anthracene
 Concen: 3.79 ng
 RT: 13.79 min Scan# 1024
 Delta R.T. -0.03 min
 Lab File: BF084869.D
 Acq: 5 Feb 2016 19:38

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B006(20-22)

Tot Ion:	228	Resp:	94653
Ion Ratio	Lower	Upper	
228	100		
226	26.8	21.8	32.6
229	21.2	15.8	23.8

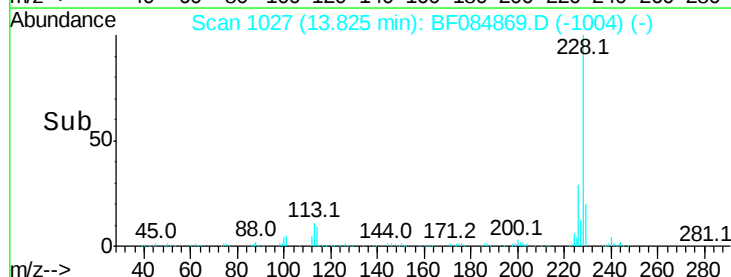
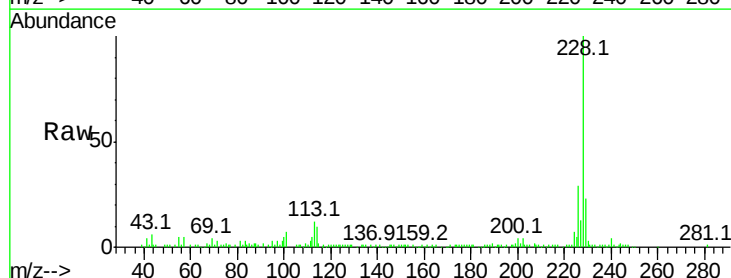
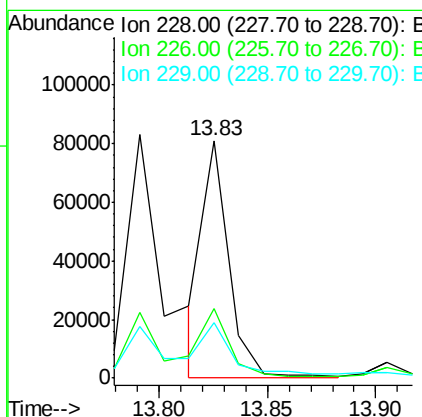
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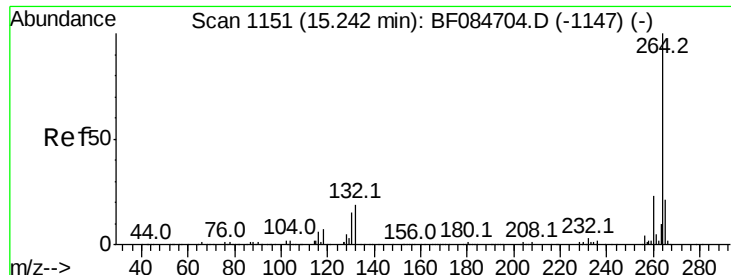
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 2/8/2016 2:58:45 PM



#82
 Chrysene
 Concen: 2.82 ng m
 RT: 13.83 min Scan# 1027
 Delta R.T. -0.03 min
 Lab File: BF084869.D
 Acq: 5 Feb 2016 19:38

Tgt Ion:	228	Resp:	68251
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.3	36.5
229	23.3	16.1	24.1





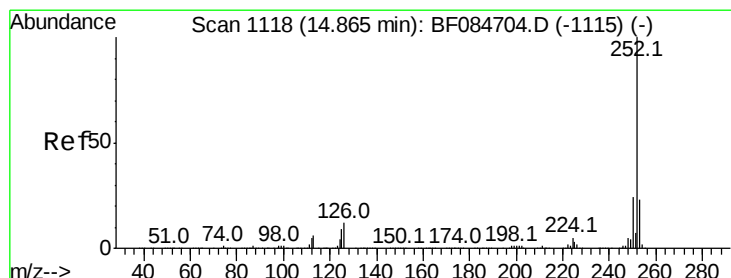
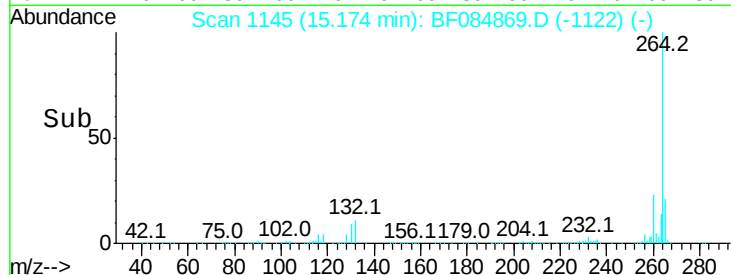
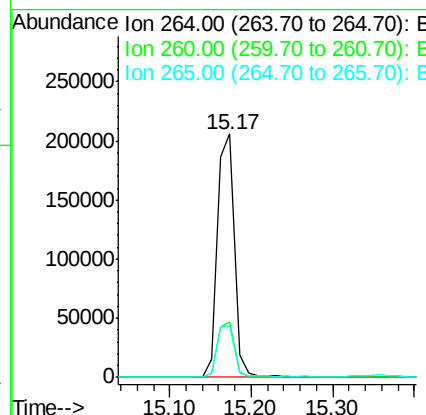
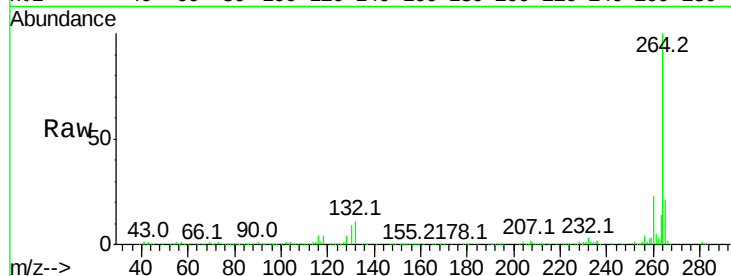
#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.17 min Scan# 1145
 Delta R.T. -0.03 min
 Lab File: BF084869.D
 Acq: 5 Feb 2016 19:38

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B006(20-22)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.4	29.2
265	21.2	17.8	26.6

Manual Integrations
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#87
 Benzo(b)fluoranthene
 Concen: 3.22 ng m
 RT: 14.80 min Scan# 1112
 Delta R.T. -0.03 min
 Lab File: BF084869.D
 Acq: 5 Feb 2016 19:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	10.8	6.5	9.7#

