

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
 Data File : BF083633.D
 Acq On : 9 Dec 2015 10:38
 Operator : UM/IZ
 Sample : G4594-01DL 2X
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K204-0-2DL

Manual Integrations
 APPROVED

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 12/9/2015 6:13:41 PM

Quant Time: Dec 09 11:30:07 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.70	152	140914	20.00	ng	0.00
21) Naphthalene-d8	7.61	136	519169	20.00	ng	0.00
38) Acenaphthene-d10	10.40	164	231734	20.00	ng	0.01
63) Phenanthrene-d10	12.80	188	354976	20.00	ng	0.01
75) Chrysene-d12	17.00	240	259991	20.00	ng	0.01
86) Perylene-d12	18.65	264	186091	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.98	112	538209	57.93	ng	0.01
7) Phenol-d6	5.29	99	771659	62.16	ng	0.01
23) Nitrobenzene-d5	6.53	82	443499	39.86	ng	0.00
41) 2,4,6-Tribromophenol	11.69	330	108245	52.43	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	634813	38.55	ng	0.00
78) Terphenyl-d14	15.43	244	398561	36.07	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	7.64	128	131231	4.77	ng	97
37) 2-Methylnaphthalene	8.74	142	44863	2.60	ng	# 90
48) Acenaphthylene	10.17	152	412337	16.44	ng	99
49) Dimethylphthalate	10.03	163	156566	8.49	ng	100
70) Phenanthrene	12.83	178	421838	20.68	ng	99
71) Anthracene	12.91	178	208821	9.88	ng	99
74) Fluoranthene	14.76	202	892861	42.79	ng	99
77) Pyrene	15.12	202	1089459	58.20	ng	96
80) Benzo(a)anthracene	16.99	228	578534m	38.02	ng	
82) Chrysene	17.04	228	548393	35.95	ng	99
85) Indeno(1,2,3-cd)pyrene	19.89	276	224348	21.79	ng	# 100
87) Benzo(b)fluoranthene	18.27	252	495479m	46.76	ng	
88) Benzo(k)fluoranthene	18.29	252	170567m	14.61	ng	
89) Benzo(a)pyrene	18.59	252	342632	33.13	ng	96
90) Dibenzo(a,h)anthracene	19.89	278	46558	5.89	ng	# 78
91) Benzo(g,h,i)perylene	20.26	276	226956	29.44	ng	95

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

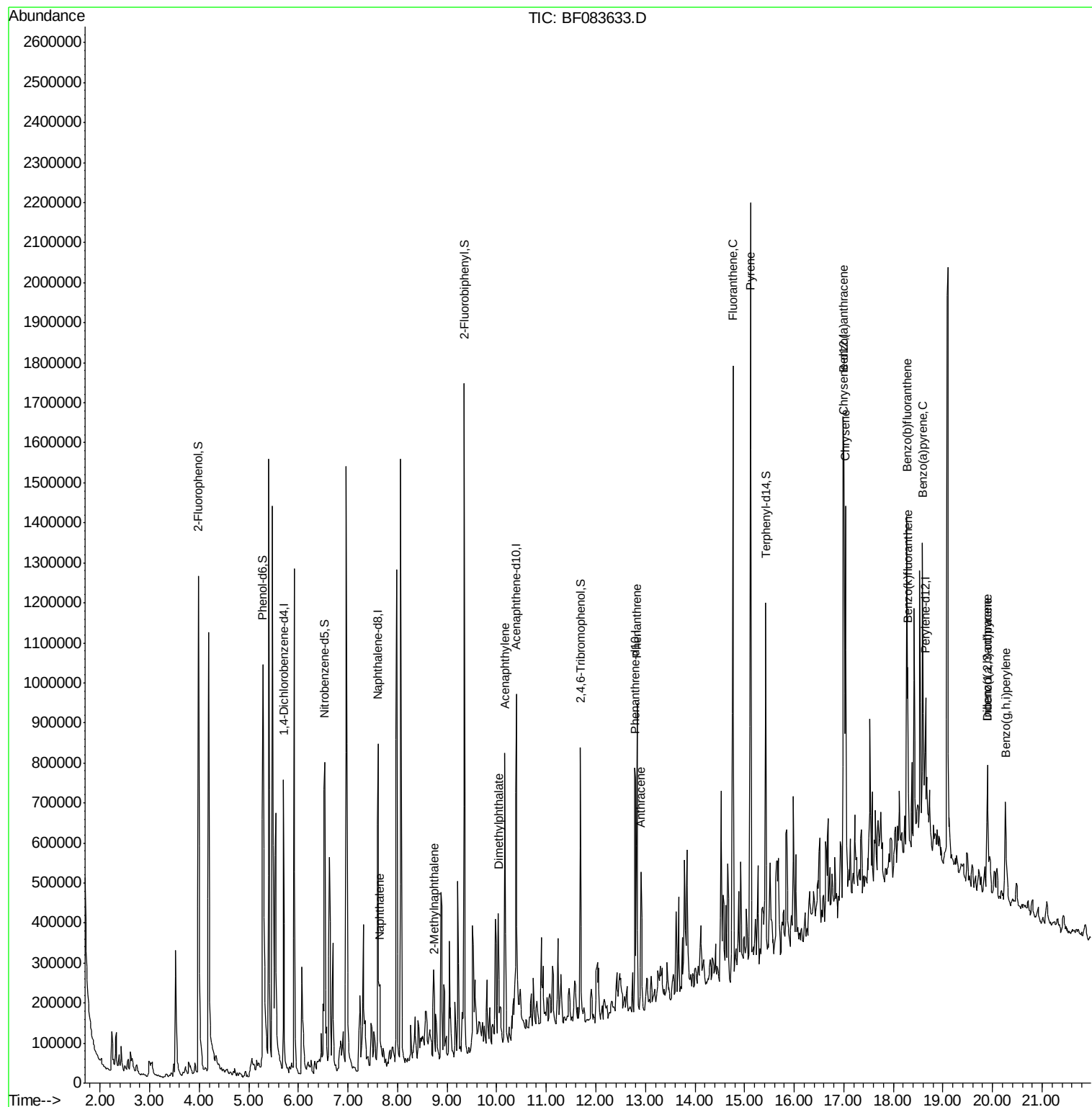
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
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ALS Vial : 55 Sample Multiplier: 1

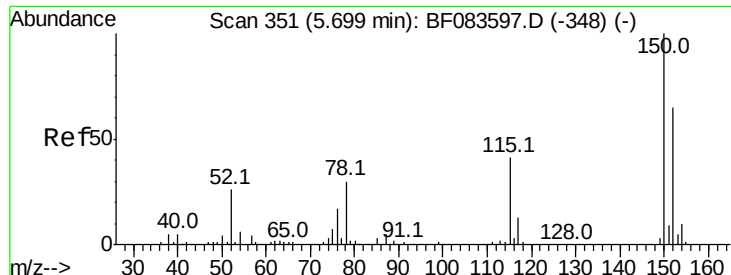
Instrument :
BNA_F
ClientSampled :
K204-0-2DL

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#1

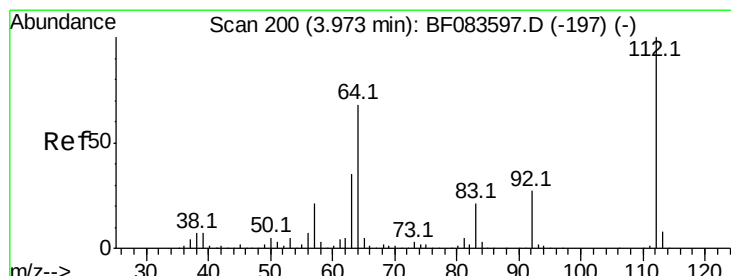
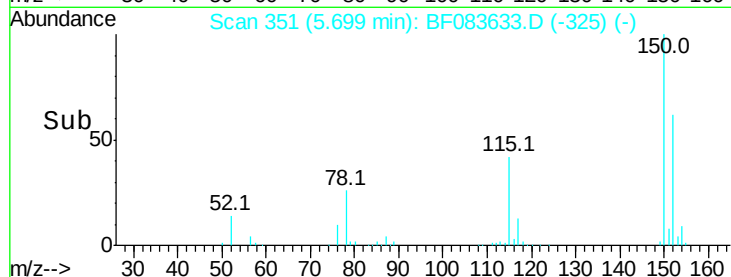
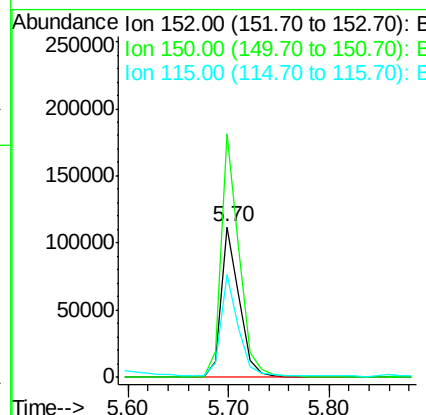
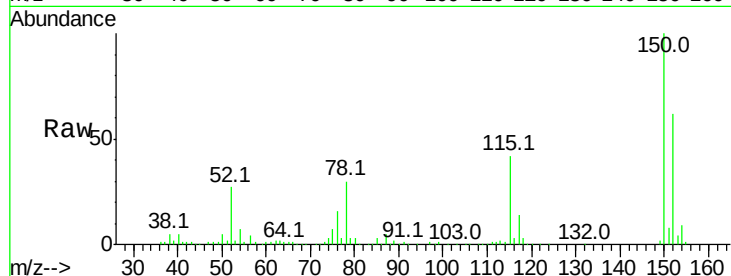
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.70 min Scan# 351
Delta R.T. 0.00 min
Lab File: BF083633.D
Acq: 9 Dec 2015 10:38

Instrument :
BNA_F
ClientSampled :
K204-0-2DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	126.5	189.7
115	68.8	52.3	78.5

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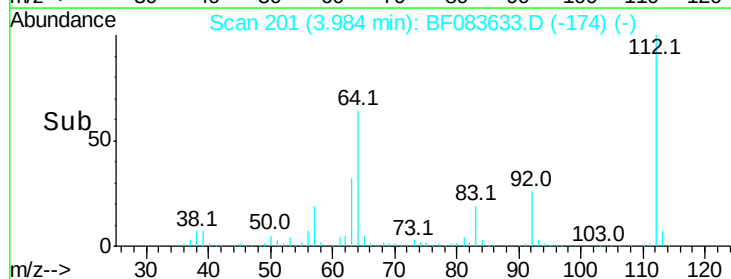
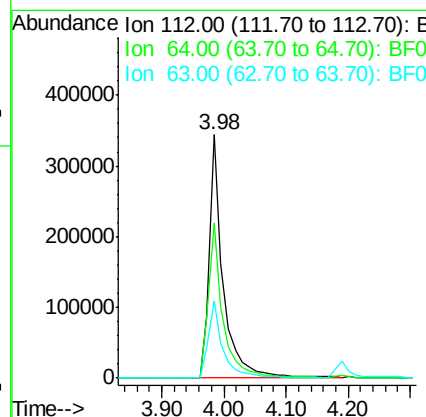
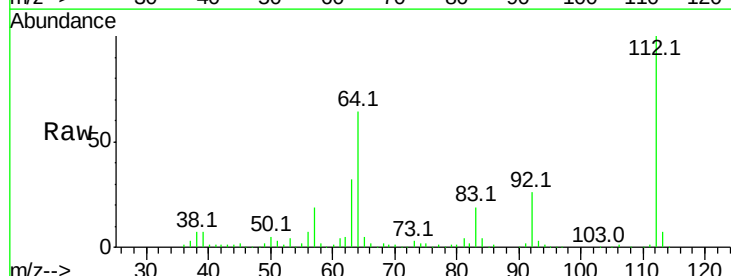
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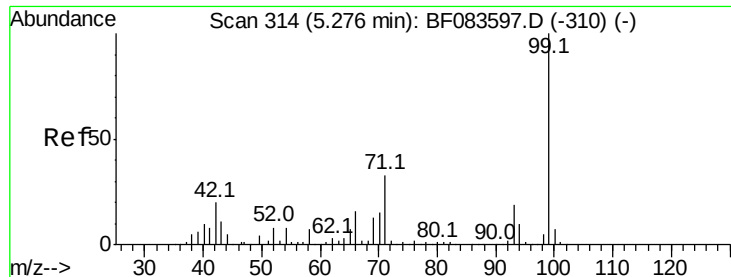


#5

2-Fluorophenol
Concen: 57.93 ng
RT: 3.98 min Scan# 201
Delta R.T. 0.01 min
Lab File: BF083633.D
Acq: 9 Dec 2015 10:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	50.5	75.7
63	31.6	25.8	38.6





#7

Phenol-d6

Concen: 62.16 ng

RT: 5.29 min Scan# 315

Delta R.T. 0.01 min

Lab File: BF083633.D

Acq: 9 Dec 2015 10:38

Instrument :

BNA_F

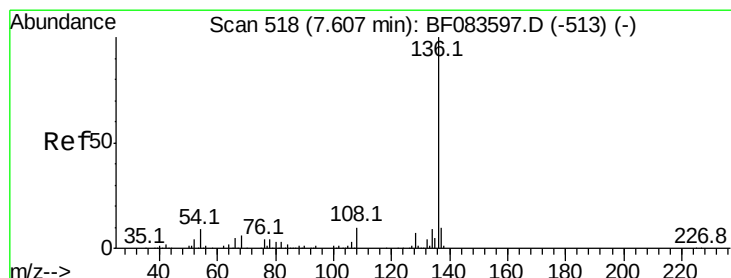
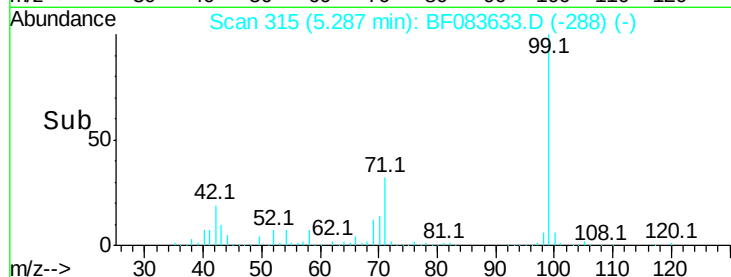
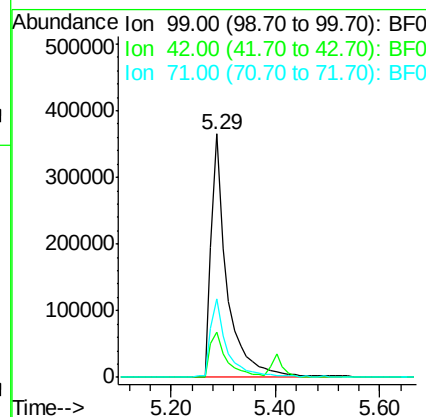
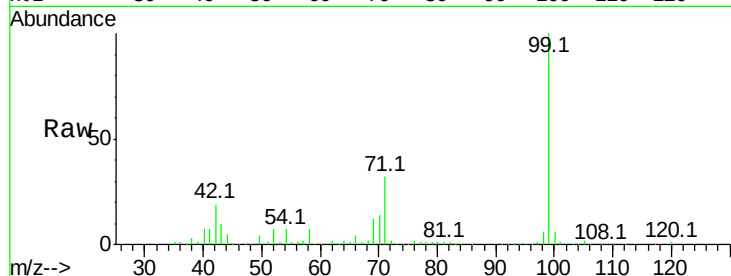
ClientSampleId :

K204-0-2DL

Tot Ion:	99	Resp:	771659
Ion Ratio	Lower	Upper	
99	100		
42	18.8	17.3	25.9
71	32.3	26.6	40.0

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#21

Naphthalene-d8

Concen: 20.00 ng

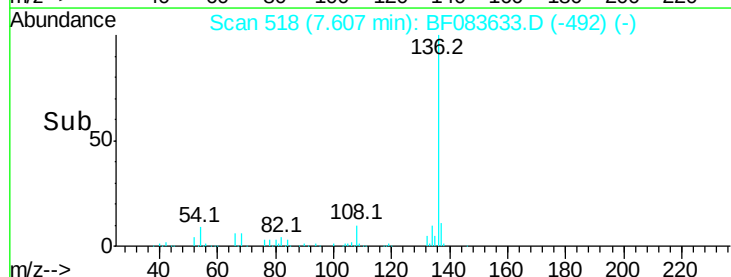
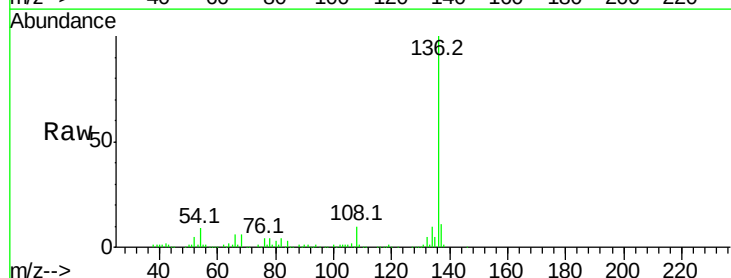
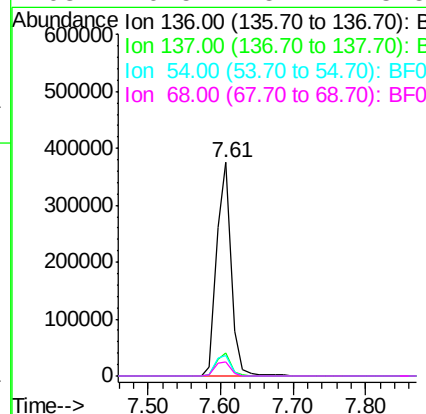
RT: 7.61 min Scan# 518

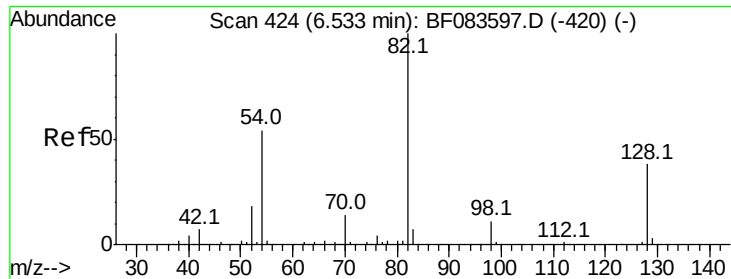
Delta R.T. 0.00 min

Lab File: BF083633.D

Acq: 9 Dec 2015 10:38

Tgt Ion:	136	Resp:	519169
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	9.5	7.8	11.6
68	6.5	5.7	8.5





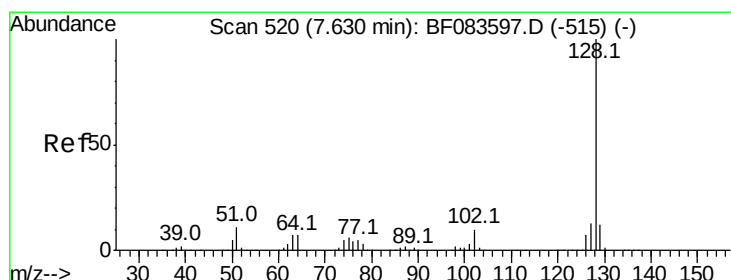
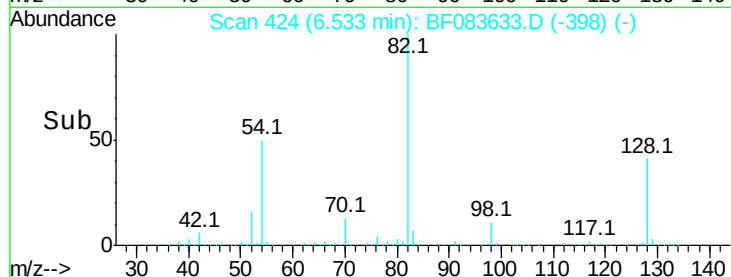
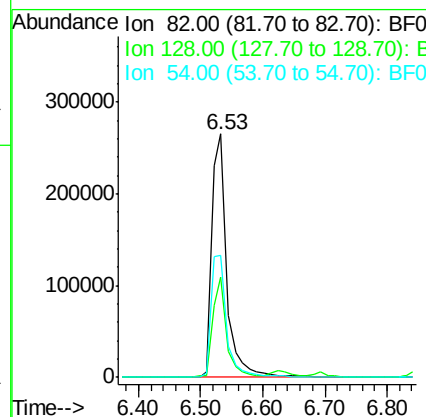
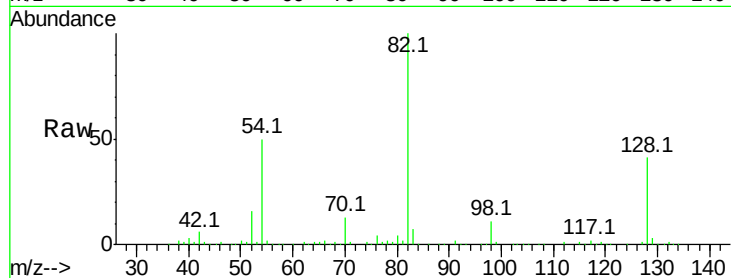
#23
Nitrobenzene-d5
Concen: 39.86 ng
RT: 6.53 min Scan# 424
Delta R.T. 0.00 min
Lab File: BF083633.D
Acq: 9 Dec 2015 10:38

Instrument :
BNA_F
ClientSampleId :
K204-0-2DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.0	30.7	46.1	
54	50.1	42.5	63.7	

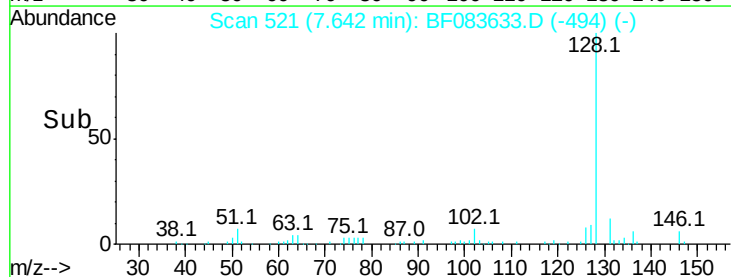
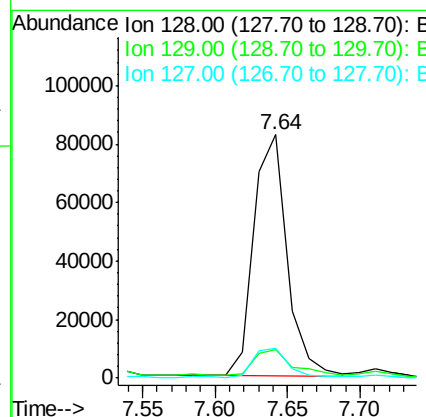
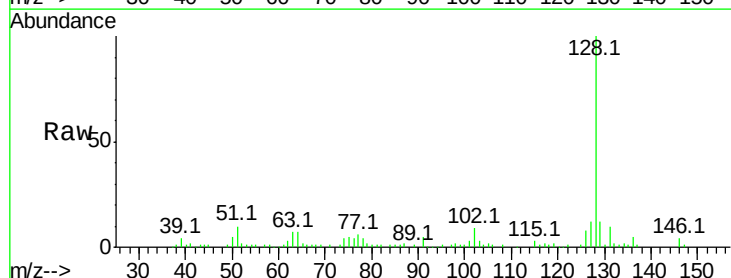
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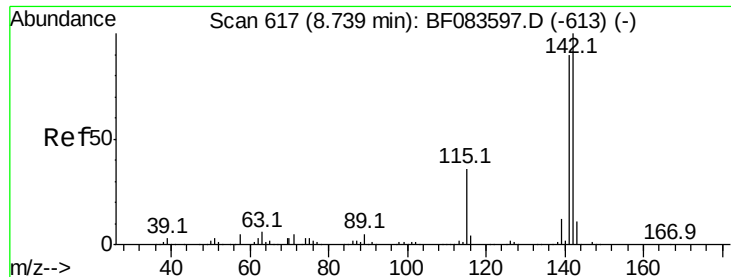
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#31
Naphthalene
Concen: 4.77 ng
RT: 7.64 min Scan# 521
Delta R.T. 0.01 min
Lab File: BF083633.D
Acq: 9 Dec 2015 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.8	8.6	13.0	
127	12.3	10.6	16.0	





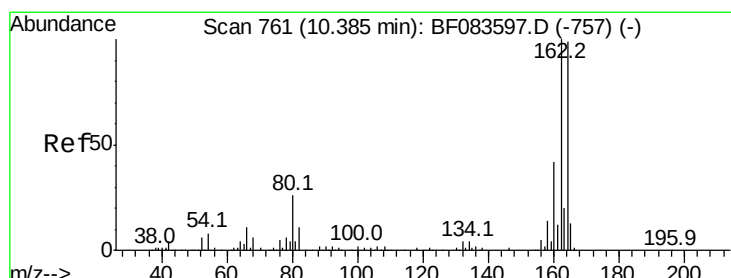
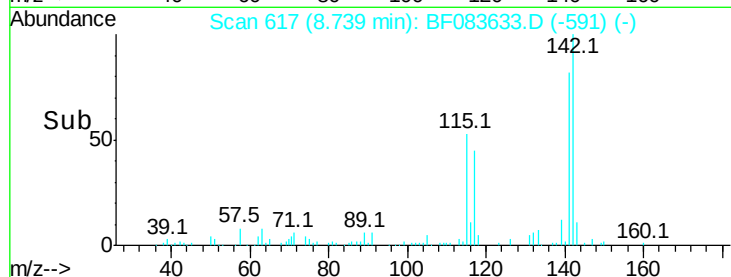
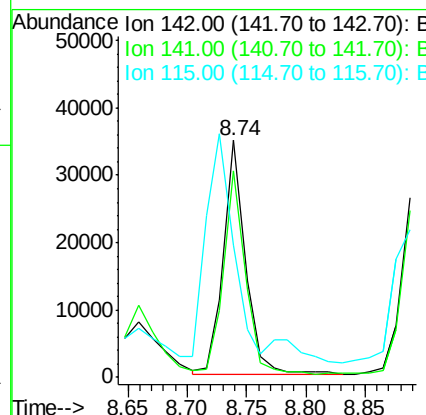
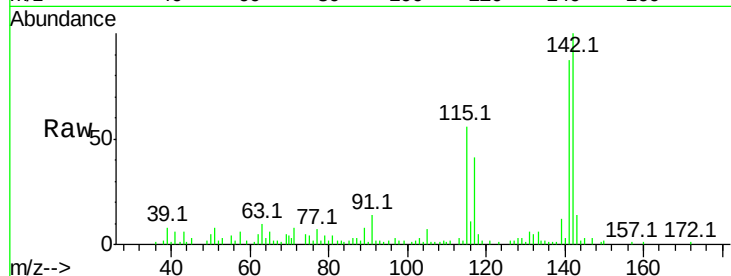
#37
2-Methylnaphthalene
Concen: 2.60 ng
RT: 8.74 min Scan# 617
Delta R.T. 0.00 min
Lab File: BF083633.D
Acq: 9 Dec 2015 10:38

Instrument :
BNA_F
ClientSampleId :
K204-0-2DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.3	105.5
115	55.8	29.2	43.8

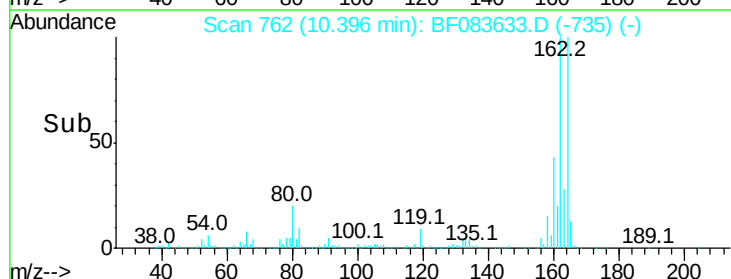
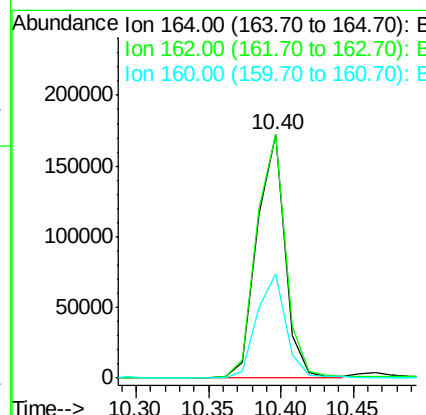
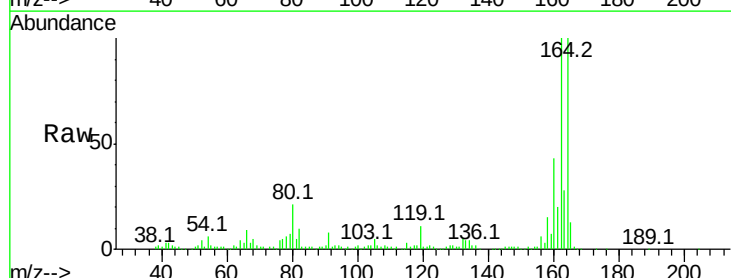
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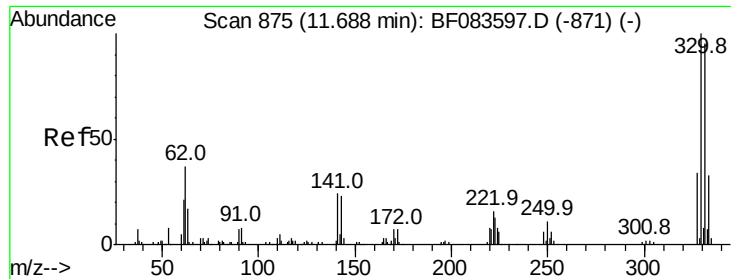
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.40 min Scan# 762
Delta R.T. 0.01 min
Lab File: BF083633.D
Acq: 9 Dec 2015 10:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	78.8	118.2
160	42.9	33.4	50.2





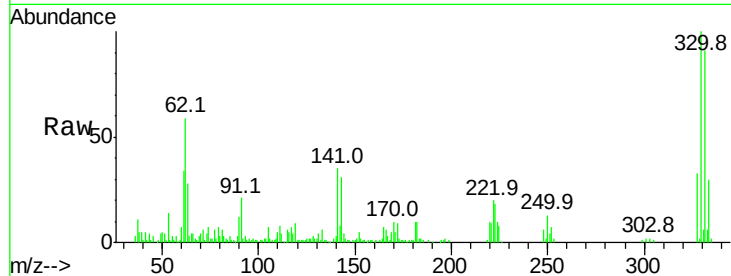
#41
 2,4,6-Tribromophenol
 Concen: 52.43 ng
 RT: 11.69 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: BF083633.D
 Acq: 9 Dec 2015 10:38

Instrument :
 BNA_F
 ClientSampleId :
 K204-0-2DL

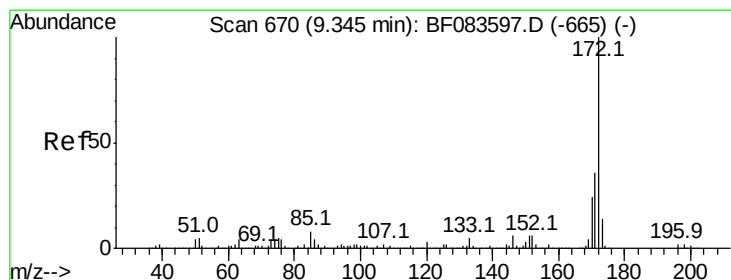
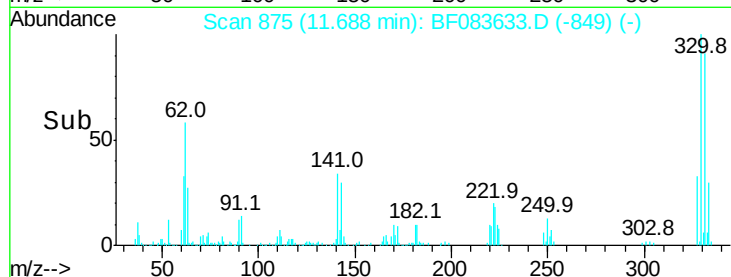
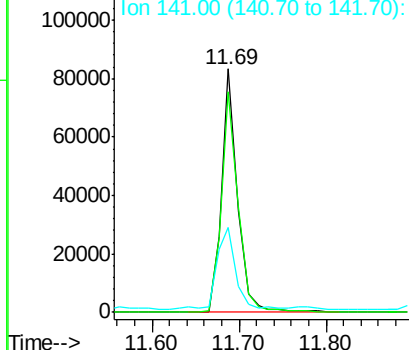
Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	94.4	0.0	0.0#
141	40.4	0.0	0.0#

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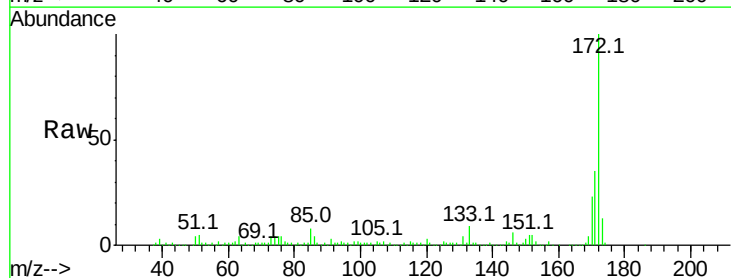


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

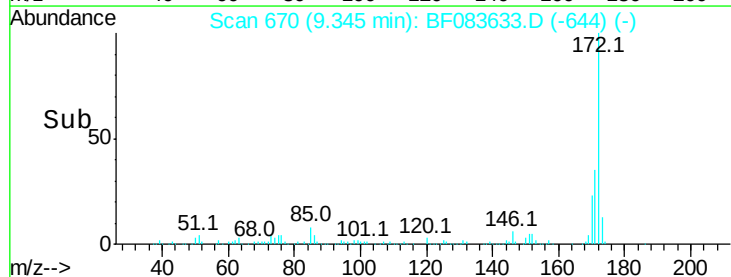
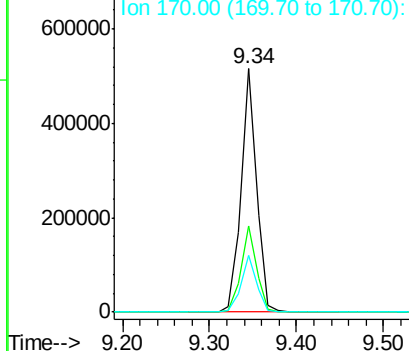


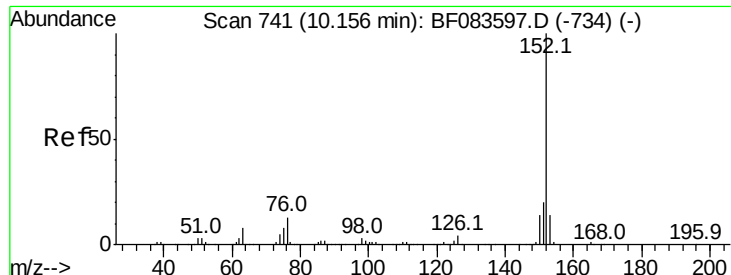
#44
 2-Fluorobiphenyl
 Concen: 38.55 ng
 RT: 9.34 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: BF083633.D
 Acq: 9 Dec 2015 10:38

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.2	19.4	29.0



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





#48

Acenaphthylene

Concen: 16.44 ng

RT: 10.17 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF083633.D

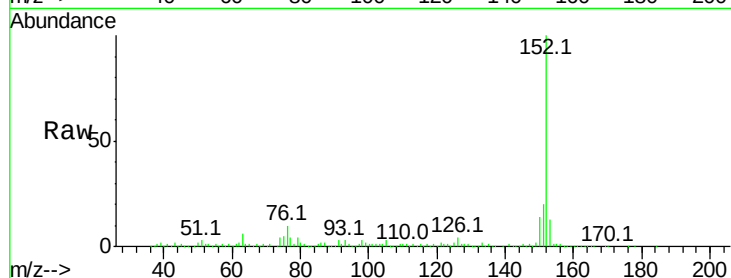
Acq: 9 Dec 2015 10:38

Instrument :

BNA_F

ClientSampleId :

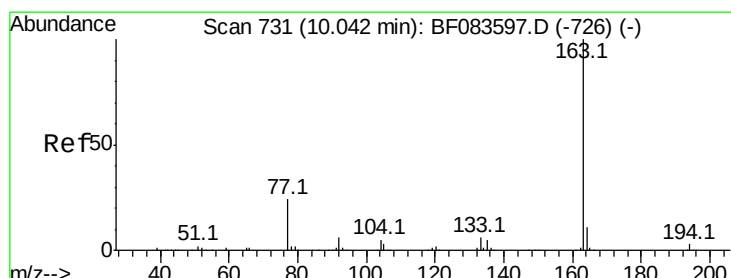
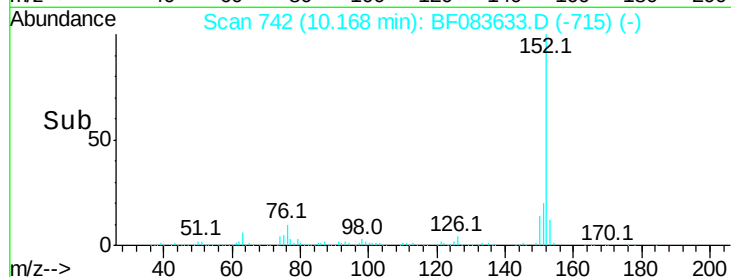
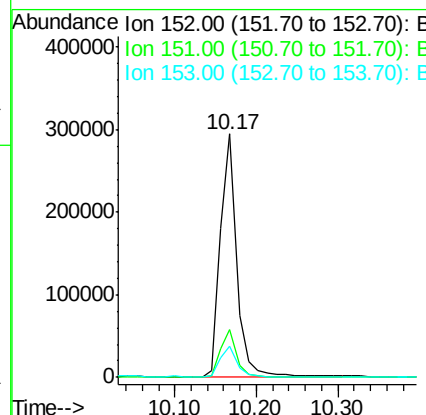
K204-0-2DL



Tot Ion	Ratio	Resp	Lower	Upper
152	100	412337		
151	19.9	16.3	24.5	
153	13.0	10.8	16.2	

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#49

Dimethylphthalate

Concen: 8.49 ng

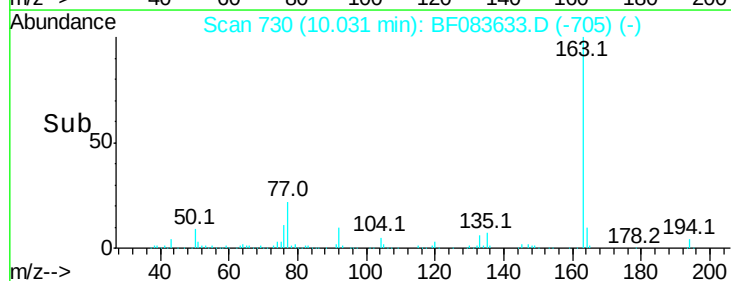
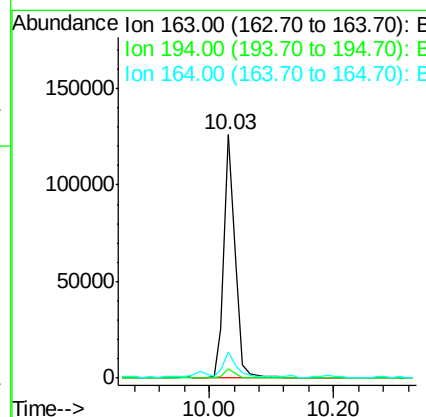
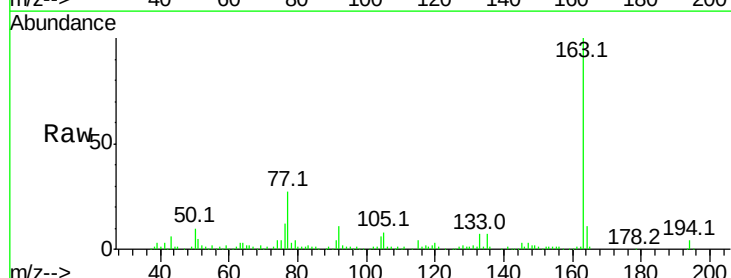
RT: 10.03 min Scan# 730

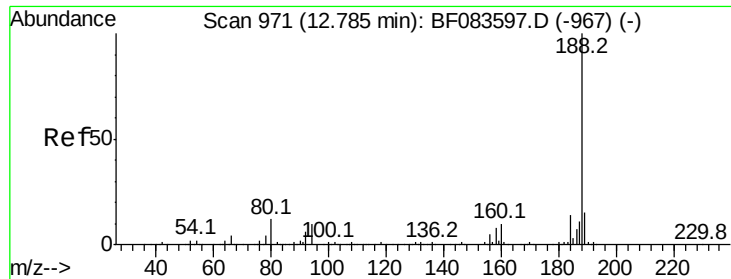
Delta R.T. -0.01 min

Lab File: BF083633.D

Acq: 9 Dec 2015 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	156566		
194	3.6	2.8	4.2	
164	10.6	8.6	13.0	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.80 min Scan# 972

Delta R.T. 0.01 min

Lab File: BF083633.D

Acq: 9 Dec 2015 10:38

Instrument :

BNA_F

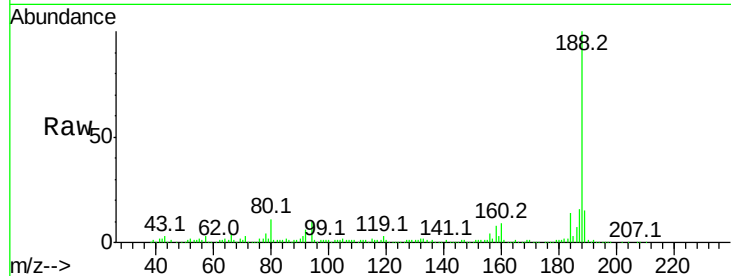
ClientSampleId :

K204-0-2DL

Tot Ion:	188	Resp:	354976
Ion Ratio	Lower	Upper	
188	100		
94	9.5	9.4	14.2
80	10.5	10.6	16.0#

Manual Integrations
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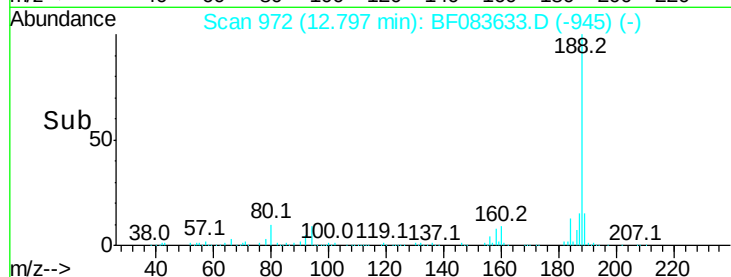


Abundance Ion 188.00 (187.70 to 188.70): E

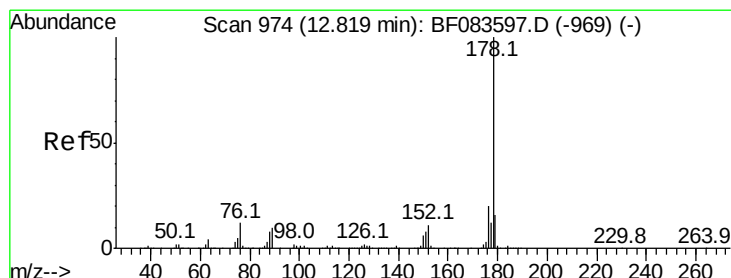
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time--> 12.70 12.80 12.90



Time--> 12.70 12.80 12.90



#70

Phenanthrene

Concen: 20.68 ng

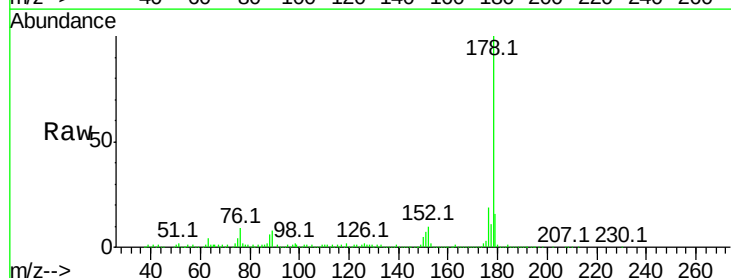
RT: 12.83 min Scan# 975

Delta R.T. 0.01 min

Lab File: BF083633.D

Acq: 9 Dec 2015 10:38

Tgt Ion:	178	Resp:	421838
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.7	23.5
179	15.5	12.2	18.4

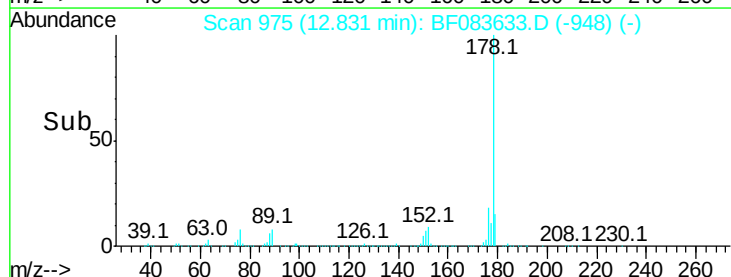


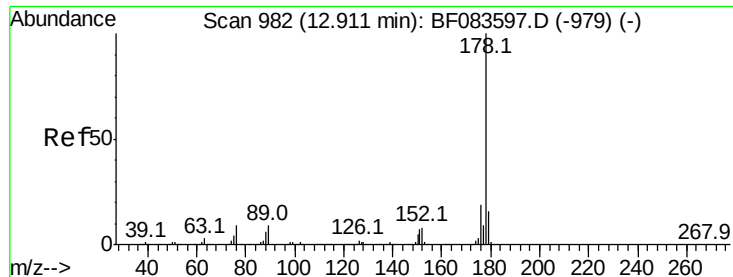
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time--> 12.75 12.80 12.85 12.90





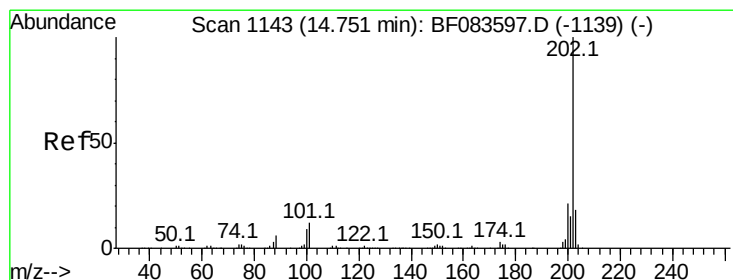
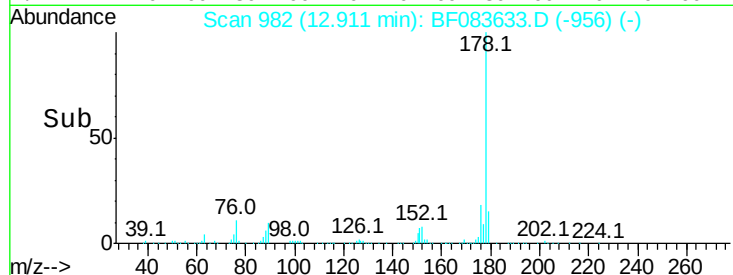
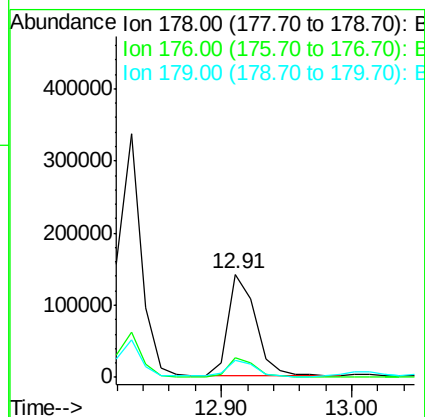
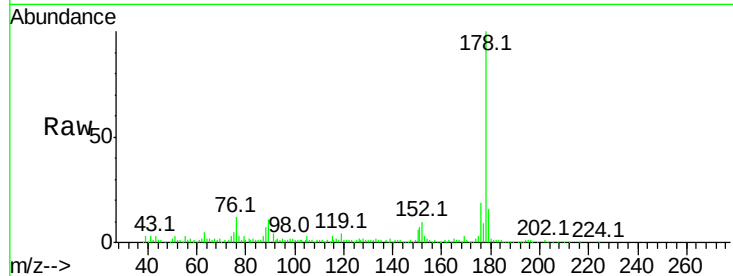
#71
 Anthracene
 Concen: 9.88 ng
 RT: 12.91 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: BF083633.D
 Acq: 9 Dec 2015 10:38

Instrument :
 BNA_F
 ClientSampleId :
 K204-0-2DL

Tot Ion:	178	Resp:	208821
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.2	22.8
179	16.3	12.6	18.8

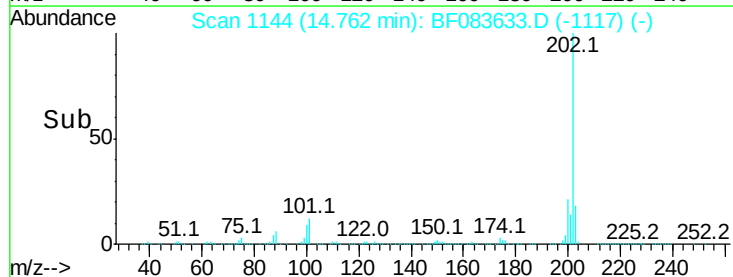
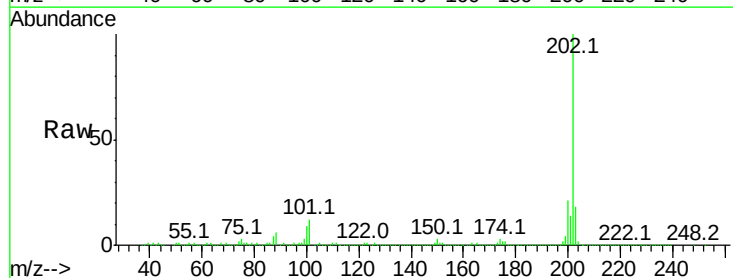
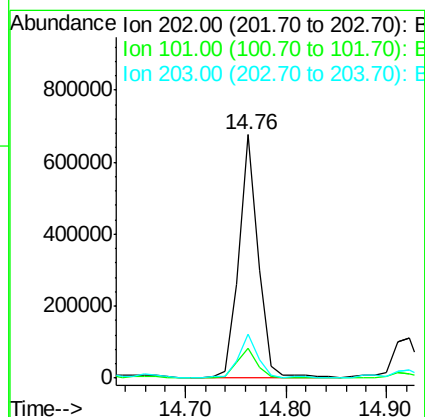
Manual Integrations
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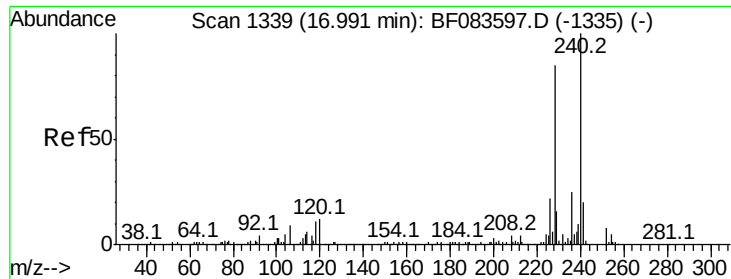
Mmdadoda
 12/9/2015 6:13:41 PM



#74
 Fluoranthene
 Concen: 42.79 ng
 RT: 14.76 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: BF083633.D
 Acq: 9 Dec 2015 10:38

Tgt Ion:	202	Resp:	892861
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	31.5
203	17.9	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.00 min Scan# 1340

Delta R.T. 0.01 min

Lab File: BF083633.D

Acq: 9 Dec 2015 10:38

Instrument :

BNA_F

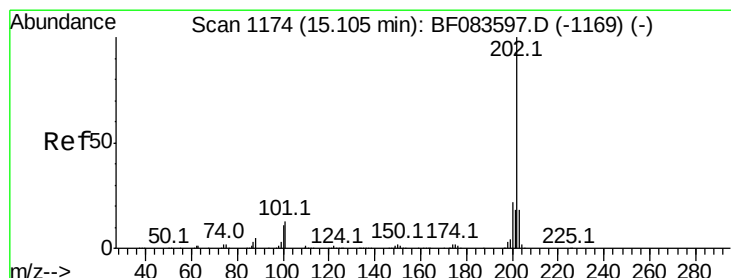
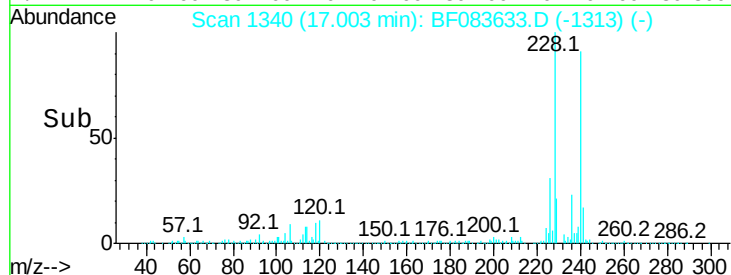
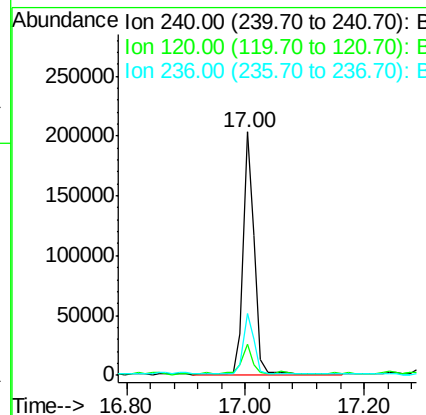
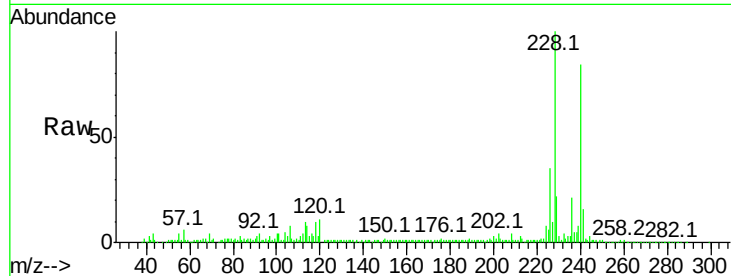
ClientSampled :

K204-0-2DL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	259991		
120	13.0	8.1	12.1#	
236	25.3	20.8	31.2	

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#77

Pyrene

Concen: 58.20 ng

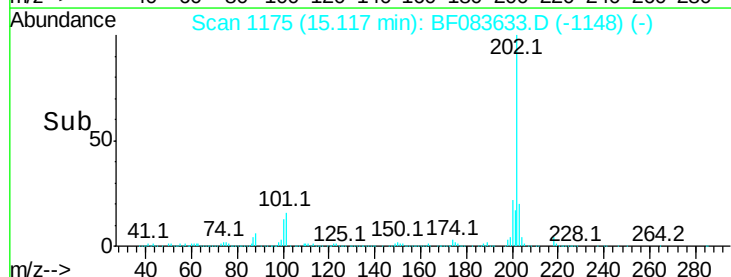
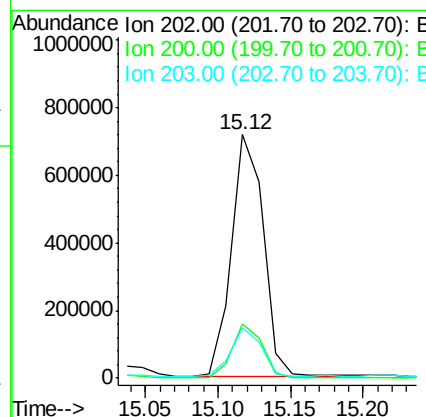
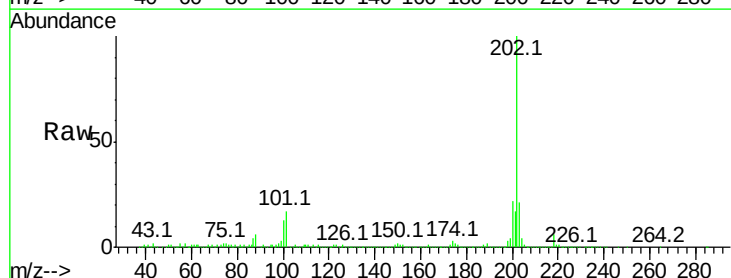
RT: 15.12 min Scan# 1175

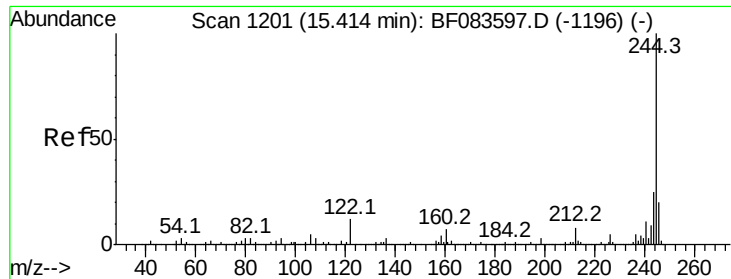
Delta R.T. 0.01 min

Lab File: BF083633.D

Acq: 9 Dec 2015 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1089459		
200	22.0	16.7	25.1	
203	20.5	14.3	21.5	





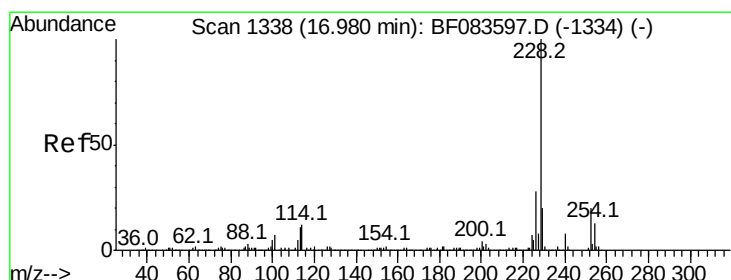
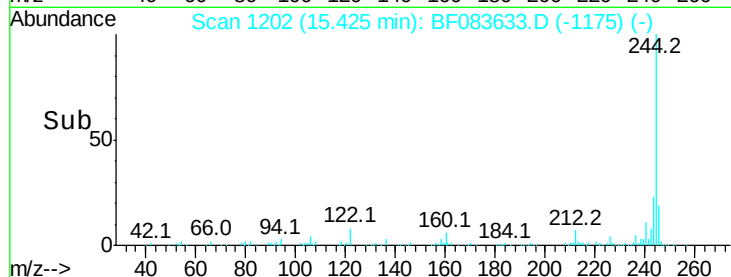
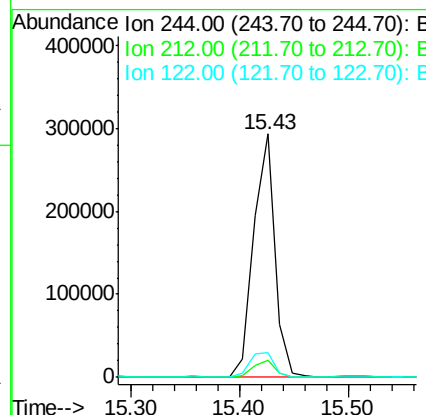
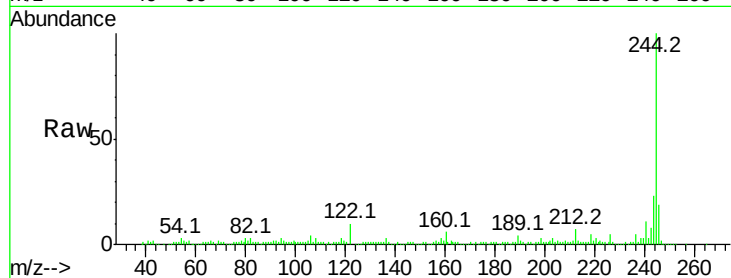
#78
 Terphenyl-d14
 Concen: 36.07 ng
 RT: 15.43 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: BF083633.D
 Acq: 9 Dec 2015 10:38

Instrument :
 BNA_F
 ClientSampleId :
 K204-0-2DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	10.2	11.0	16.6#

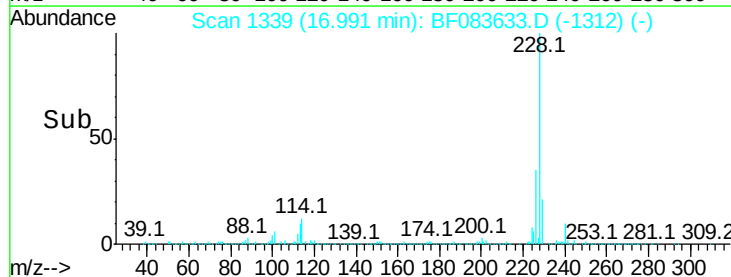
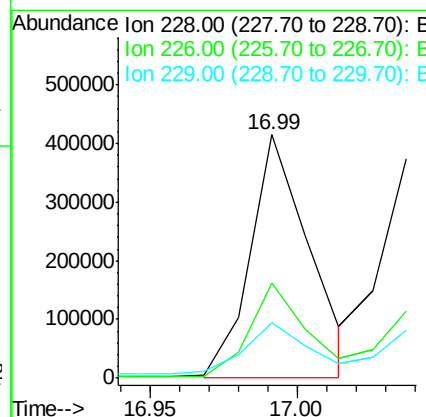
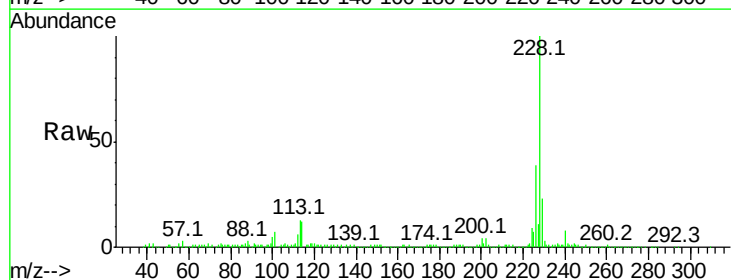
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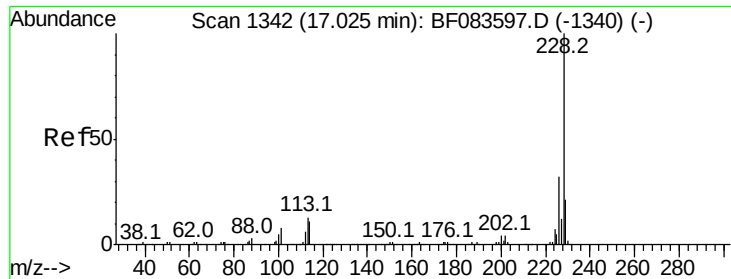
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#80
 Benzo(a)anthracene
 Concen: 38.02 ng m
 RT: 16.99 min Scan# 1339
 Delta R.T. 0.01 min
 Lab File: BF083633.D
 Acq: 9 Dec 2015 10:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.8	22.3	33.5#
229	22.5	15.7	23.5





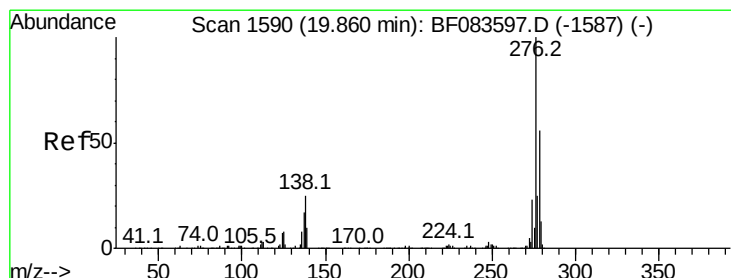
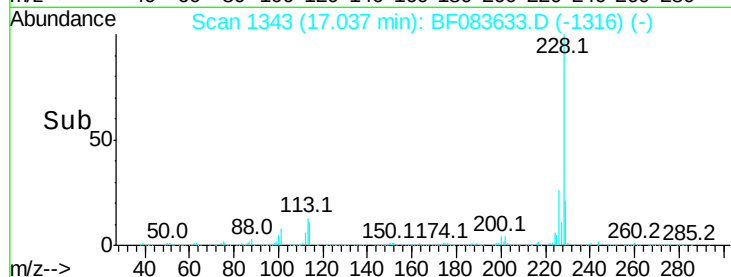
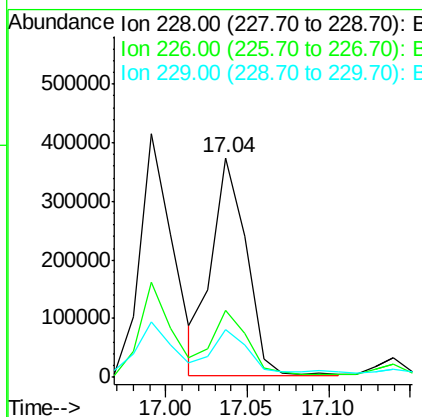
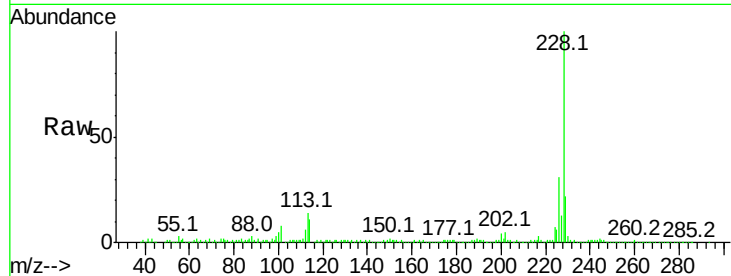
#82
Chrysene
Concen: 35.95 ng
RT: 17.04 min Scan# 1343
Delta R.T. 0.01 min
Lab File: BF083633.D
Acq: 9 Dec 2015 10:38

Instrument :
BNA_F
ClientSampled :
K204-0-2DL

Tot Ion:	228	Resp:	548393
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.7	37.1
229	21.9	16.3	24.5

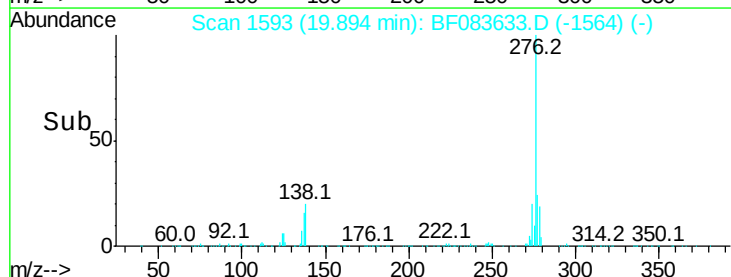
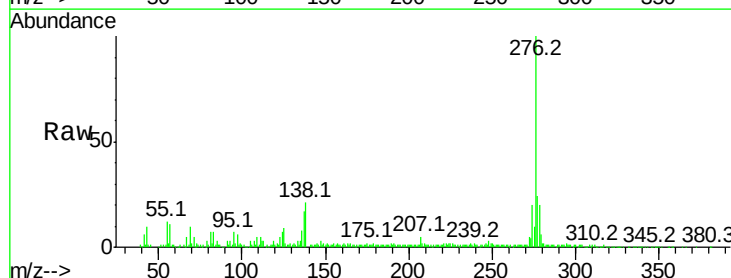
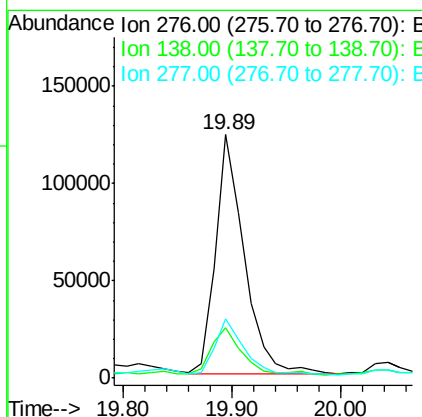
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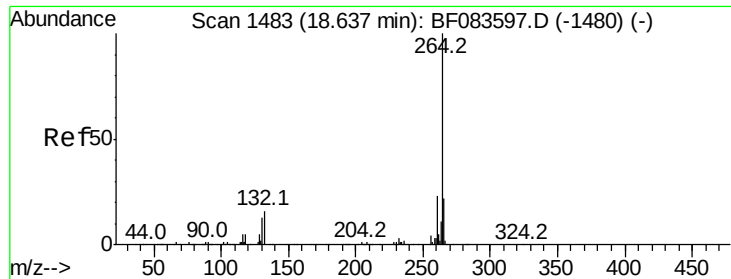
Mmdadoda
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#85
Indeno(1,2,3-cd)pyrene
Concen: 21.79 ng
RT: 19.89 min Scan# 1593
Delta R.T. 0.03 min
Lab File: BF083633.D
Acq: 9 Dec 2015 10:38

Tgt Ion:	276	Resp:	224348
Ion Ratio	Lower	Upper	
276	100		
138	21.7	0.0	0.0#
277	23.5	0.0	0.0#





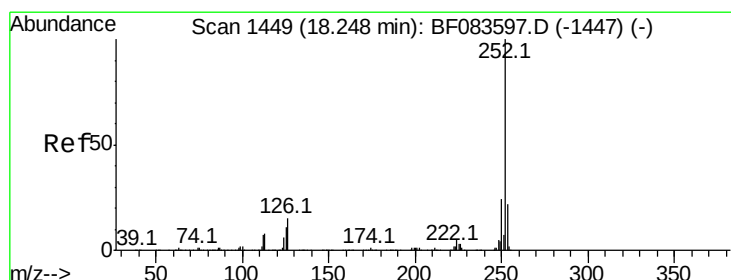
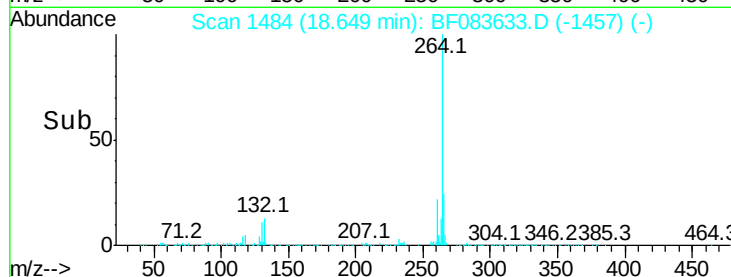
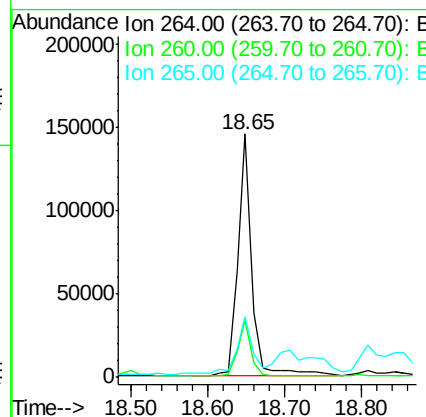
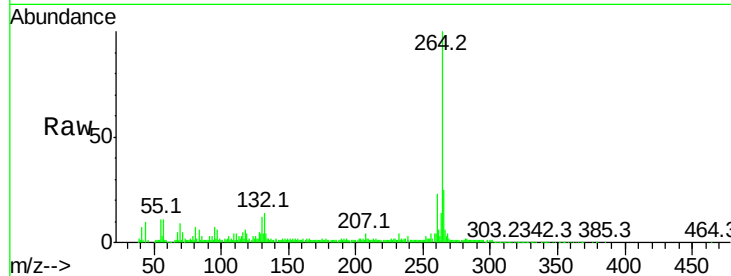
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.65 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BF083633.D
Acq: 9 Dec 2015 10:38

Instrument :
BNA_F
ClientSampleId :
K204-0-2DL

Tot Ion	Ratio	Resp	Lower	Upper
264	100	186091		
260	23.4	19.4	29.0	
265	24.7	17.8	26.6	

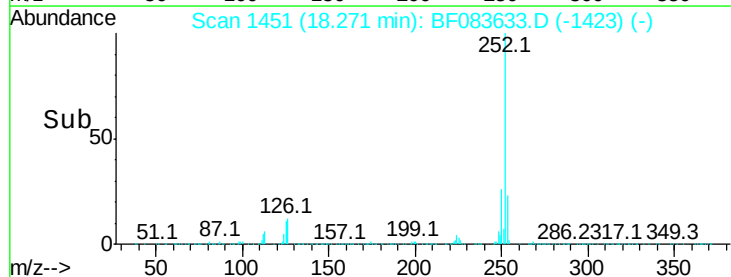
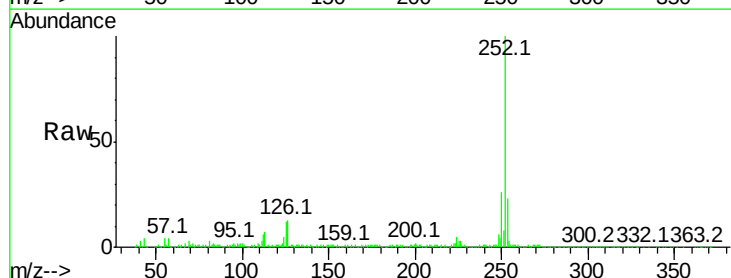
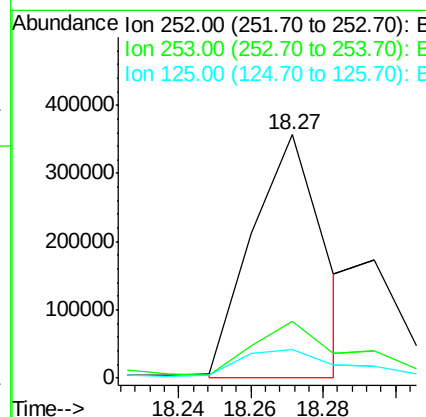
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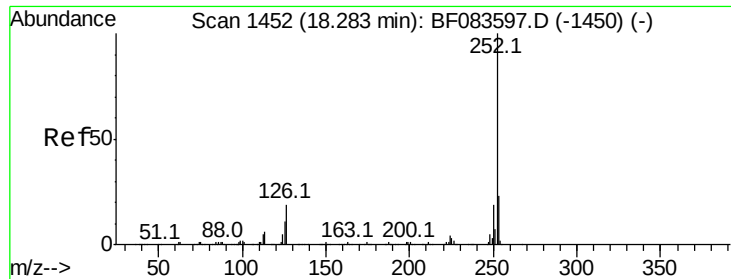
Mmdadoda
12/9/2015 6:13:41 PM



#87
Benzo(b)fluoranthene
Concen: 46.76 ng m
RT: 18.27 min Scan# 1451
Delta R.T. 0.02 min
Lab File: BF083633.D
Acq: 9 Dec 2015 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	495479		
253	23.4	18.2	27.4	
125	11.9	8.2	12.4	





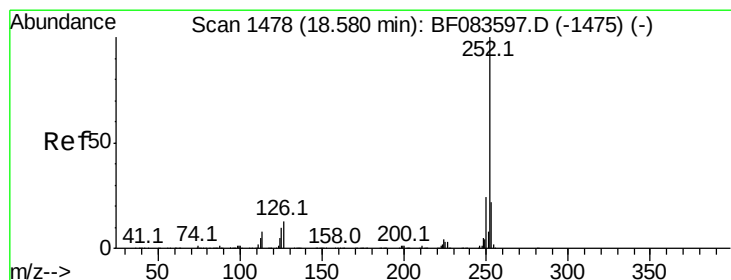
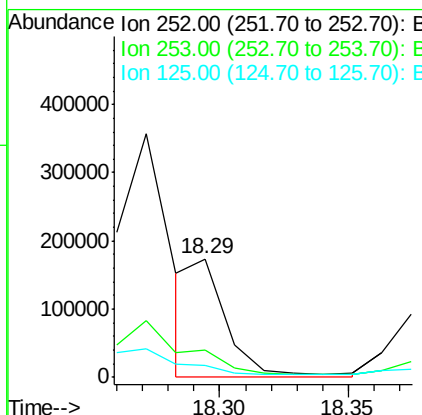
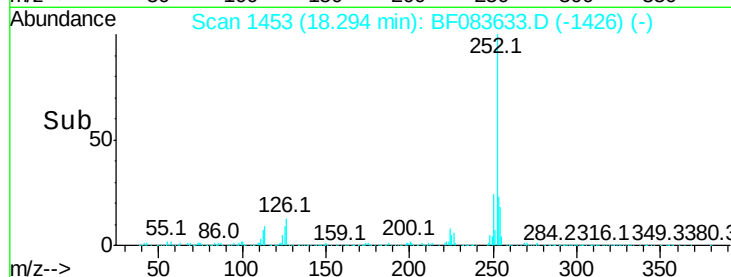
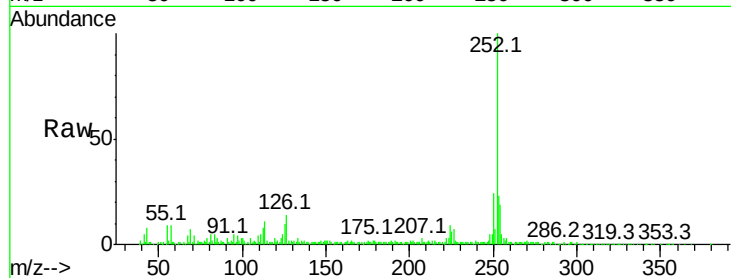
#88
Benzo(k)fluoranthene
Concen: 14.61 ng m
RT: 18.29 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BF083633.D
Acq: 9 Dec 2015 10:38

Instrument :
BNA_F
ClientSampleId :
K204-0-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.6	27.8
125	10.1	11.5	17.3

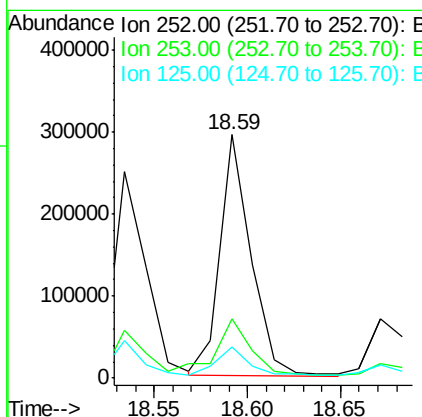
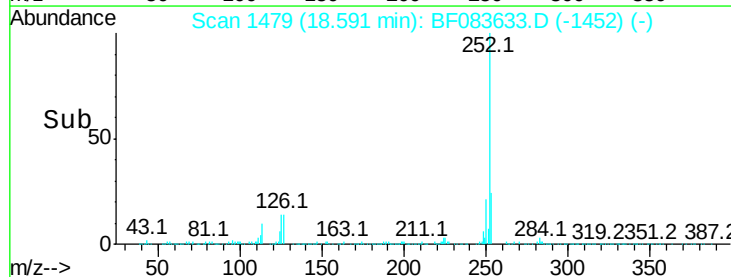
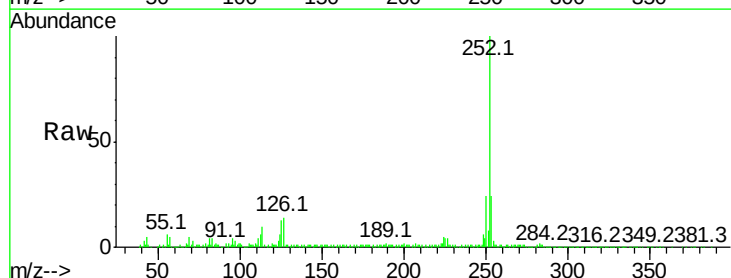
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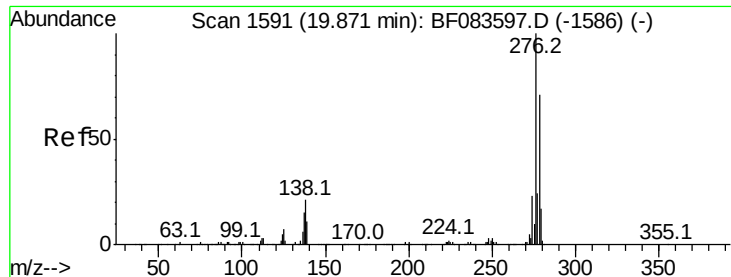
Mmdadoda
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#89
Benzo(a)pyrene
Concen: 33.13 ng
RT: 18.59 min Scan# 1479
Delta R.T. 0.01 min
Lab File: BF083633.D
Acq: 9 Dec 2015 10:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	13.0	11.0	16.6





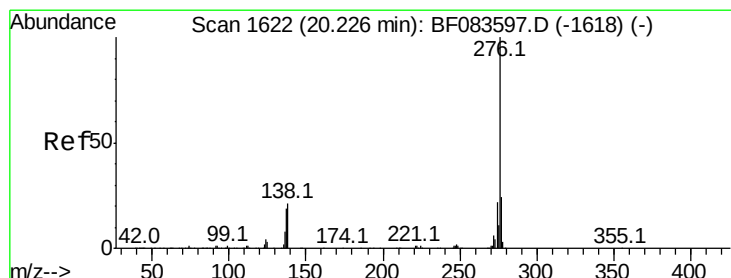
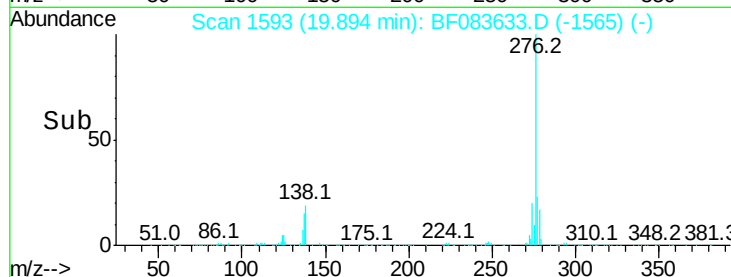
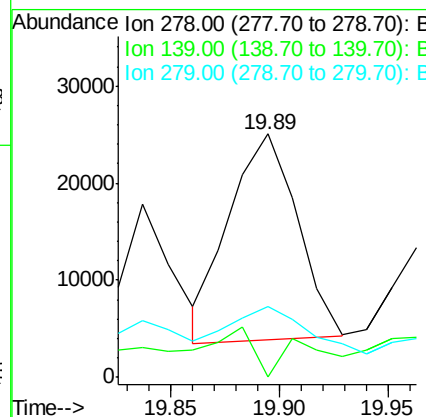
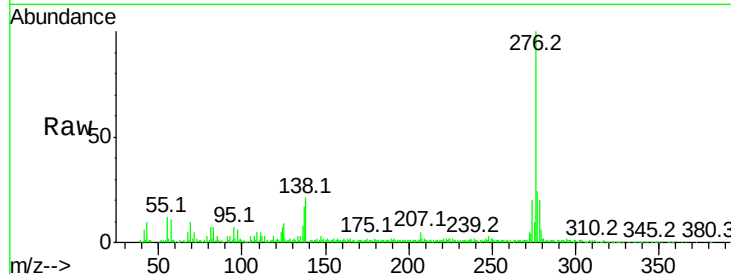
#90
Dibenzo(a,h)anthracene
Concen: 5.89 ng
RT: 19.89 min Scan# 1593
Delta R.T. 0.02 min
Lab File: BF083633.D
Acq: 9 Dec 2015 10:38

Instrument :
BNA_F
ClientSampleId :
K204-0-2DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2#
279	29.2	18.6	28.0#

Manual Integrations
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12/9/2015 6:13:41 PM



#91
Benzo(g,h,i)perylene
Concen: 29.44 ng
RT: 20.26 min Scan# 1625
Delta R.T. 0.03 min
Lab File: BF083633.D
Acq: 9 Dec 2015 10:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.2	28.8
138	19.6	19.5	29.3

