

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
 Data File : BF085872.D
 Acq On : 30 Mar 2016 2:09
 Operator : UM/SJ
 Sample : H1978-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCB-083-CS-2(0-7FTBGS)

Manual Integrations
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 3/30/2016 7:08:49 PM

Quant Time: Mar 30 02:33:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	108398	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	444400	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	160201	20.00	ng	-0.02
63) Phenanthrene-d10	11.33	188	263092	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	254290	20.00	ng	-0.01
86) Perylene-d12	15.39	264	181919	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	762533	117.16	ng	0.00
7) Phenol-d6	6.45	99	876971	105.97	ng	-0.01
23) Nitrobenzene-d5	7.37	82	548183	69.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.64	330	151999	99.86	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	840971	87.71	ng	-0.02
78) Terphenyl-d14	12.92	244	692085	55.97	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.57	163	157361	12.95	ng	99
70) Phenanthrene	11.35	178	161386	11.95	ng	100
71) Anthracene	11.41	178	32831	2.32	ng	99
74) Fluoranthene	12.54	202	266185	18.54	ng	96
77) Pyrene	12.77	202	279139	13.35	ng	99
80) Benzo(a)anthracene	13.96	228	144857	9.99	ng	97
82) Chrysene	13.99	228	100947	6.91	ng	98
87) Benzo(b)fluoranthene	14.99	252	120529m	10.52	ng	
88) Benzo(k)fluoranthene	15.01	252	43435m	4.20	ng	
89) Benzo(a)pyrene	15.33	252	84446	8.30	ng	98
91) Benzo(g,h,i)perylene	17.18	276	39343	4.11	ng	95

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

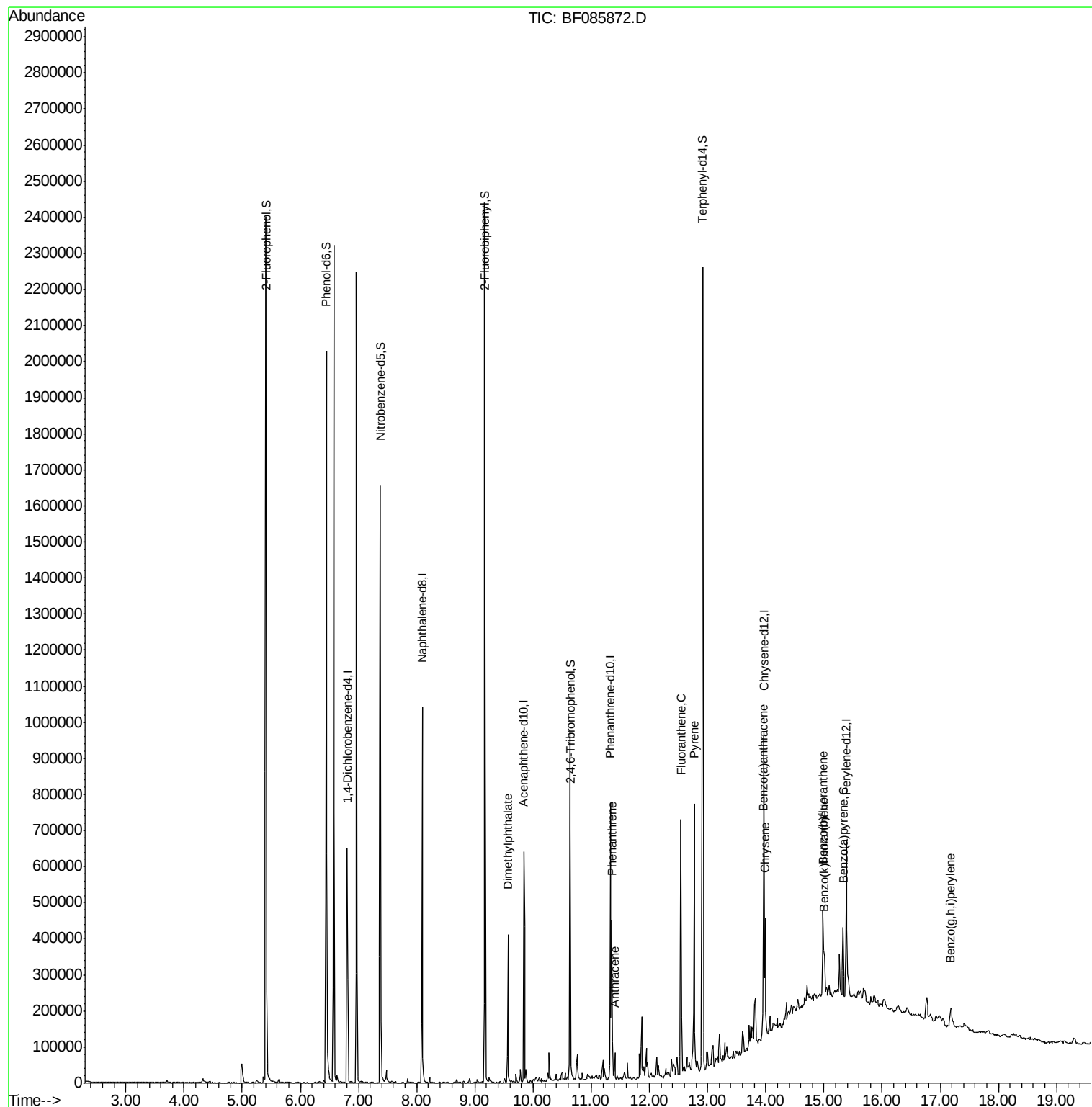
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
Data File : BF085872.D
Acq On : 30 Mar 2016 2:09
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Sample : H1978-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

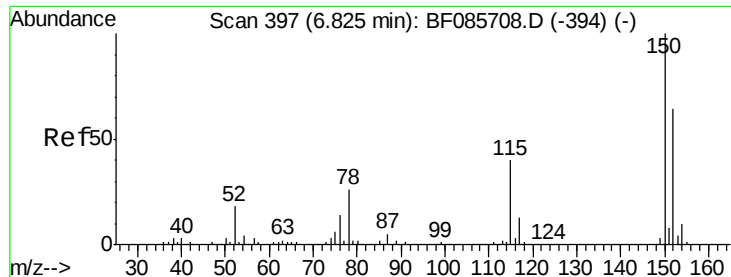
Instrument :
BNA_F
ClientSampleId :
NCB-083-CS-2(0-7FTBGS)

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
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QLast Update : Mon Mar 28 15:27:05 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF085872.D

Acq: 30 Mar 2016 2:09

Instrument :

BNA_F

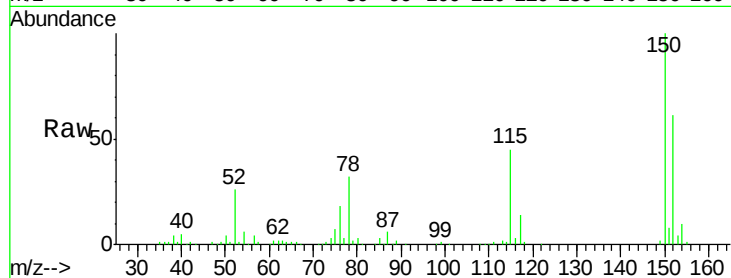
ClientSampleId :

NCB-083-CS-2(0-7FTBGS)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.6	124.2	186.2
115	73.1	47.0	70.6

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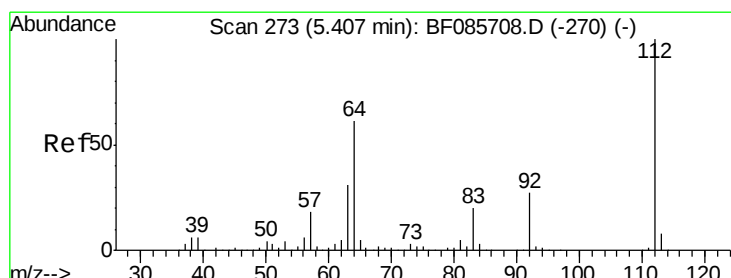
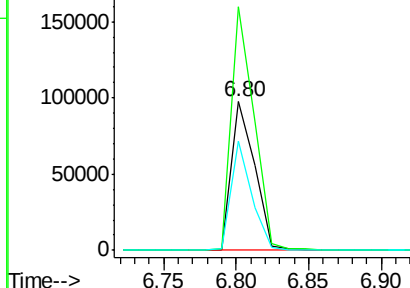
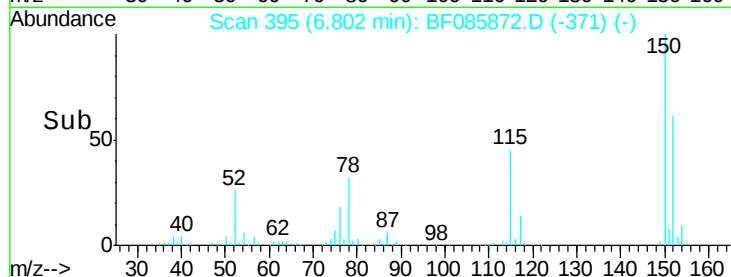


Abundance

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: 117.16 ng

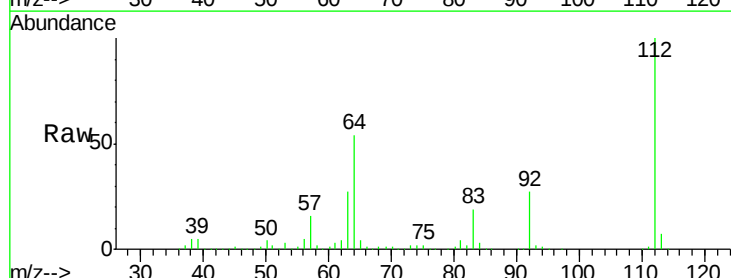
RT: 5.41 min Scan# 273

Delta R.T. 0.00 min

Lab File: BF085872.D

Acq: 30 Mar 2016 2:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	39.9	59.9
63	27.3	20.2	30.2

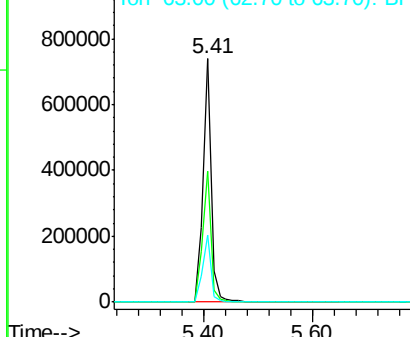
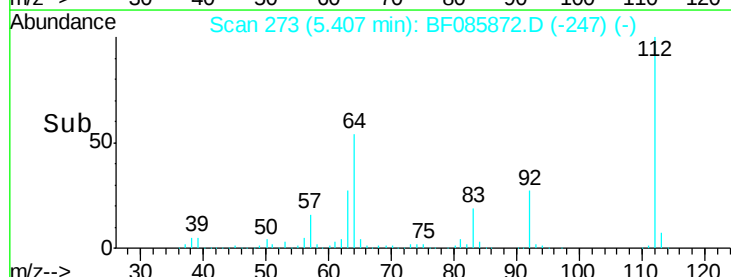


Abundance

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: 105.97 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085872.D

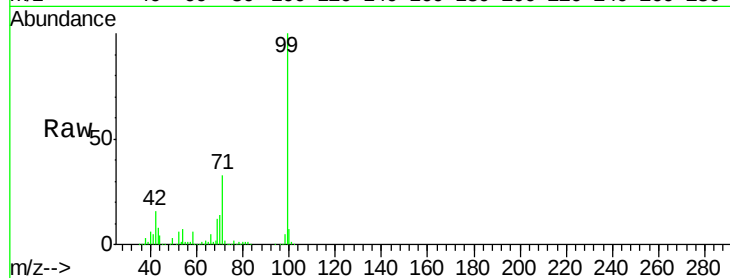
Acq: 30 Mar 2016 2:09

Instrument :

BNA_F

ClientSampleId :

NCB-083-CS-2(0-7FTBGS)



Tgt Ion: 99 Resp: 876971

Ion Ratio Lower Upper

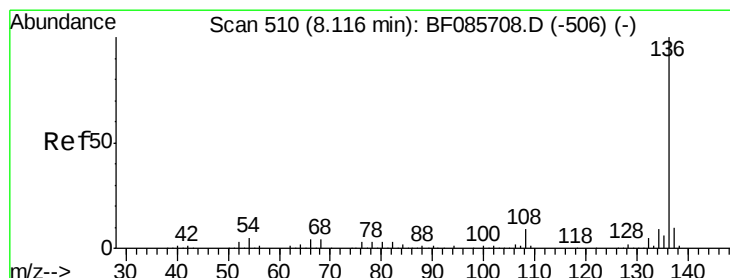
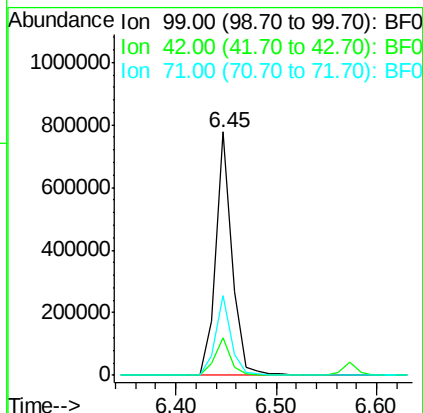
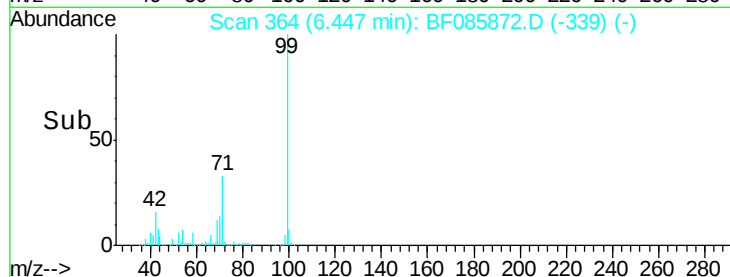
99 100

42 15.6 11.1 16.7

71 32.9 24.9 37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 508

Delta R.T. -0.02 min

Lab File: BF085872.D

Acq: 30 Mar 2016 2:09

Tgt Ion: 136 Resp: 444400

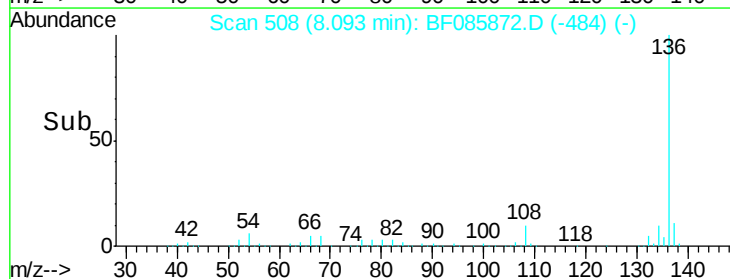
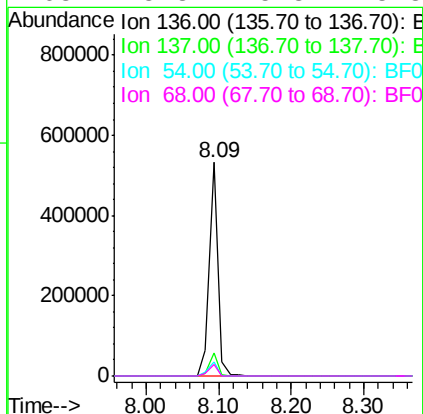
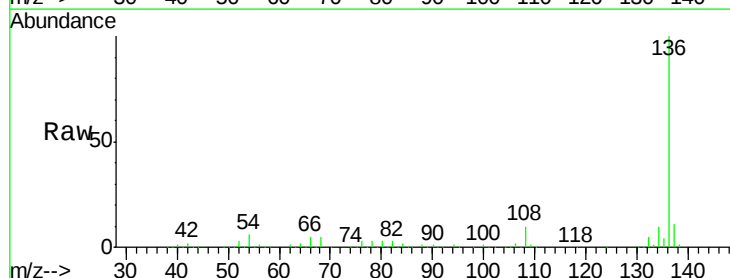
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.4 7.4 11.0#

68 5.3 5.8 8.8#





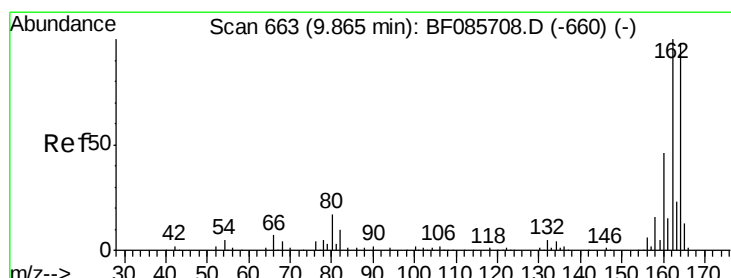
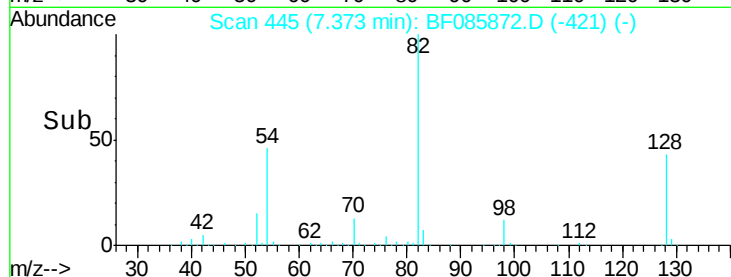
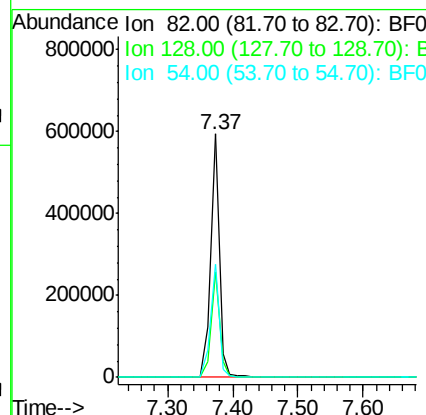
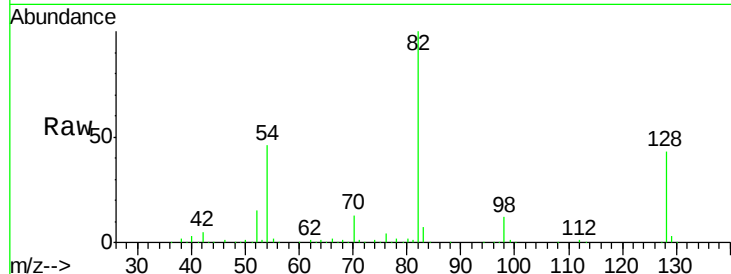
#23
Nitrobenzene-d5
Concen: 69.46 ng
RT: 7.37 min Scan# 445
Delta R.T. -0.02 min
Lab File: BF085872.D
Acq: 30 Mar 2016 2:09

Instrument :
BNA_F
ClientSampleId :
NCB-083-CS-2(0-7FTBGS)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	548183		
128	43.4	41.8	62.8	
54	46.2	33.4	50.0	

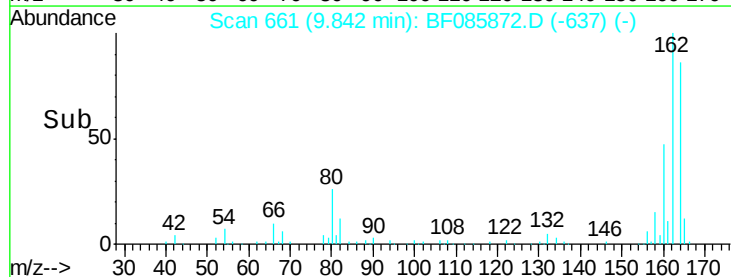
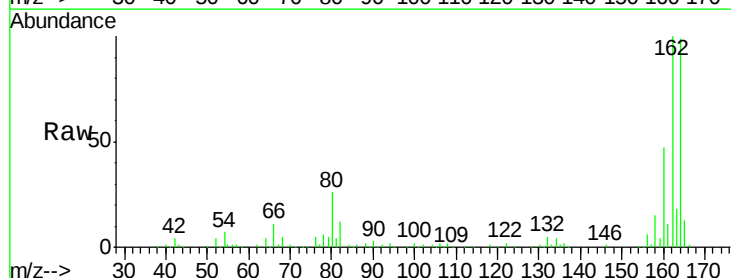
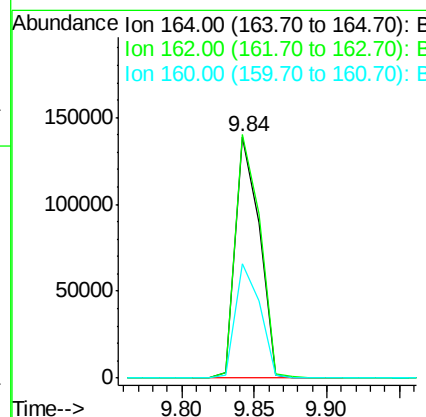
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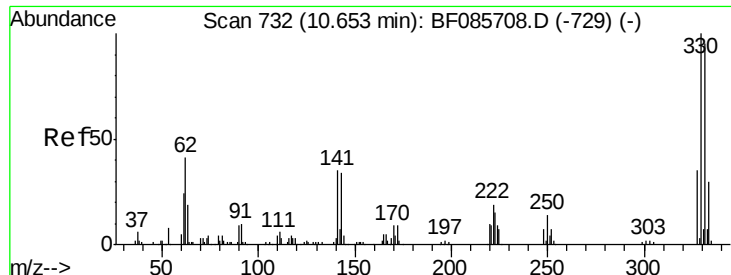
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF085872.D
Acq: 30 Mar 2016 2:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	160201		
162	100.9	82.1	123.1	
160	47.3	37.4	56.2	





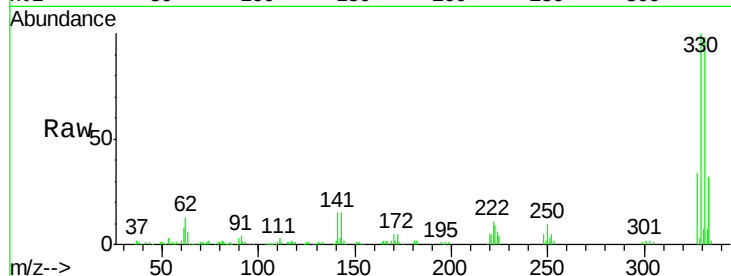
#41
 2,4,6-Tribromophenol
 Concen: 99.86 ng
 RT: 10.64 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: BF085872.D
 Acq: 30 Mar 2016 2:09

Instrument :
 BNA_F
 ClientSampleId :
 NCB-083-CS-2(0-7FTBGS)

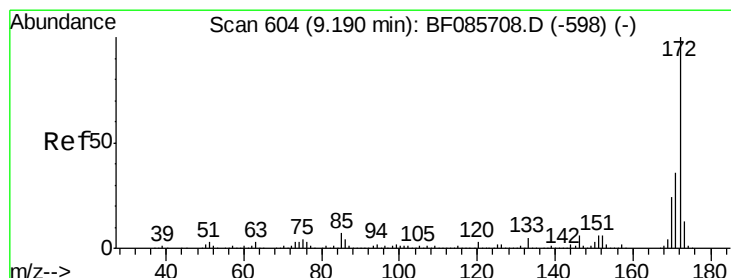
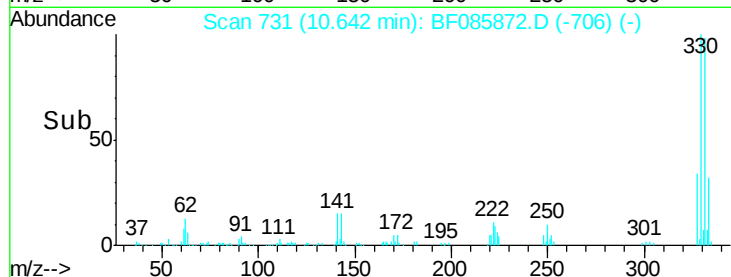
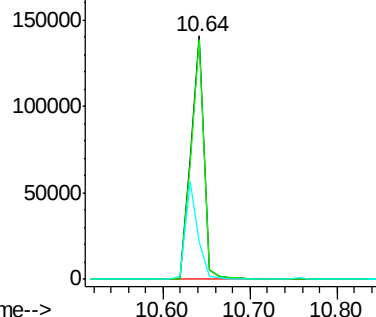
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	151999		
332	97.6	78.2	117.2	
141	38.0	31.5	47.3	

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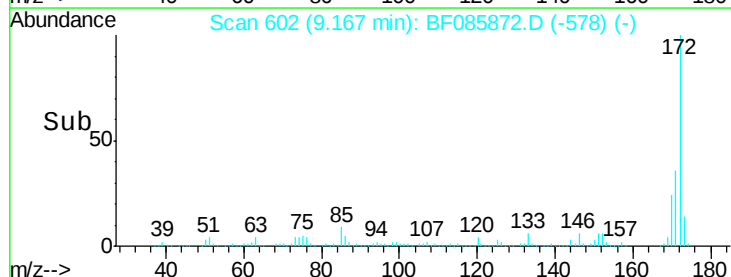
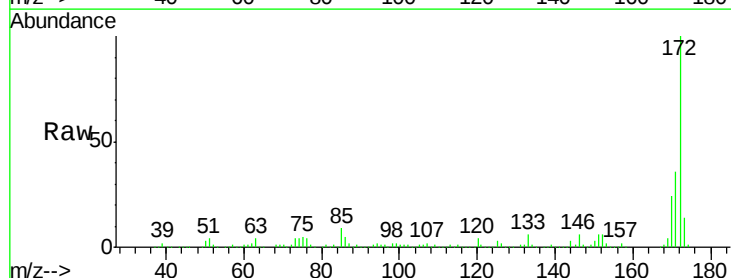
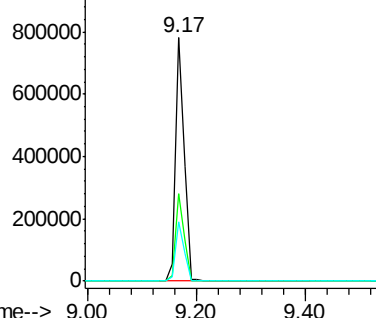
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

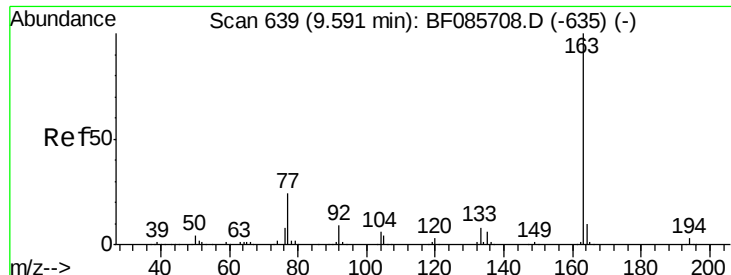


#44
 2-Fluorobiphenyl
 Concen: 87.71 ng
 RT: 9.17 min Scan# 602
 Delta R.T. -0.02 min
 Lab File: BF085872.D
 Acq: 30 Mar 2016 2:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	840971		
171	35.8	29.4	44.2	
170	24.3	19.8	29.6	

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





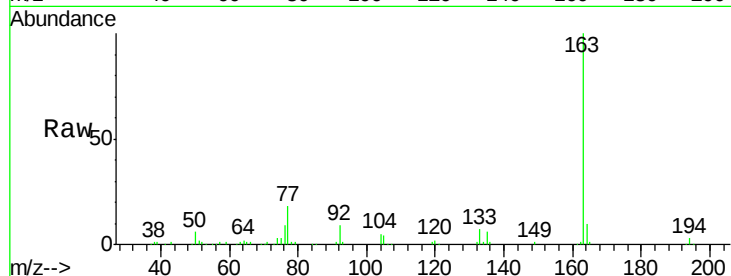
#49
Dimethylphthalate
Concen: 12.95 ng
RT: 9.57 min Scan# 637
Delta R.T. -0.02 min
Lab File: BF085872.D
Acq: 30 Mar 2016 2:09

Instrument :
BNA_F
ClientSampleId :
NCB-083-CS-2(0-7FTBGS)

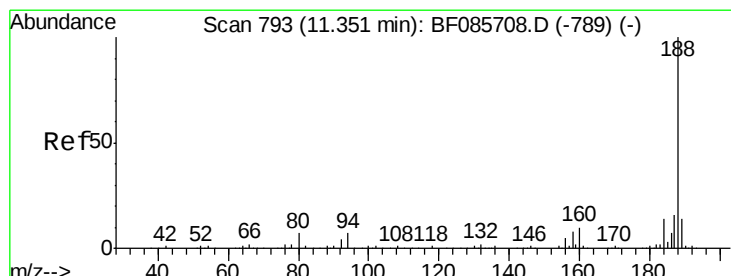
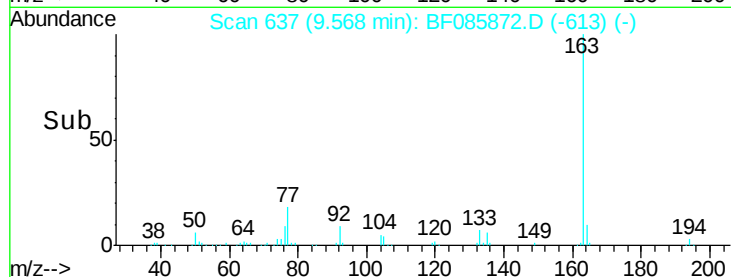
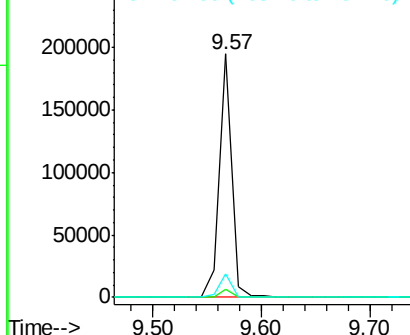
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.5	2.9	4.3
164	9.9	8.3	12.5

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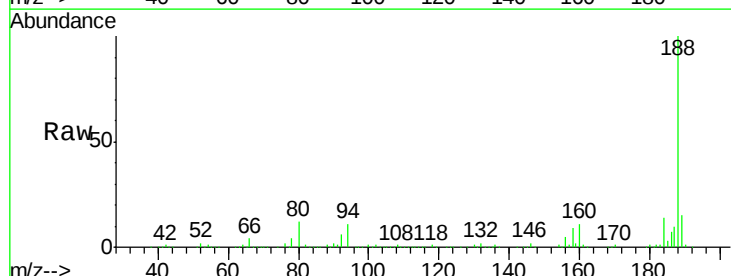


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

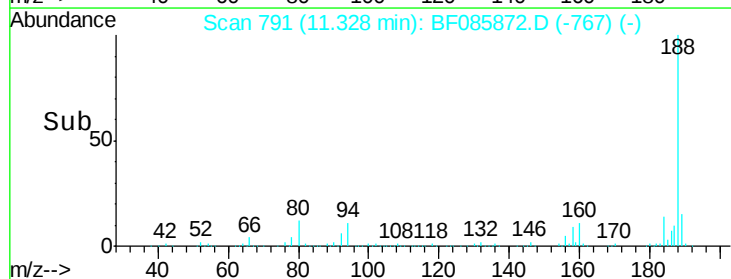
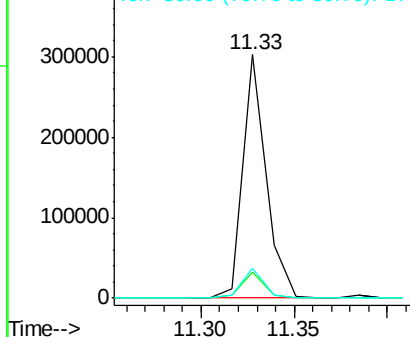


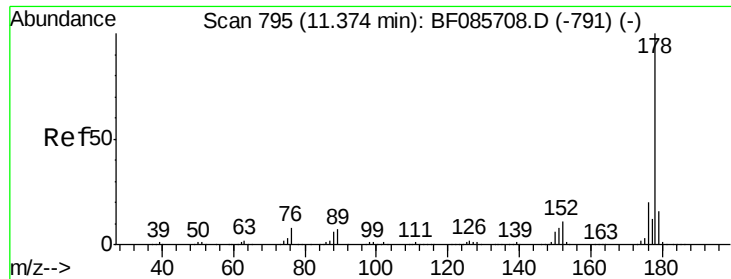
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 791
Delta R.T. -0.02 min
Lab File: BF085872.D
Acq: 30 Mar 2016 2:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.9	5.4	8.0#
80	12.0	5.5	8.3#



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





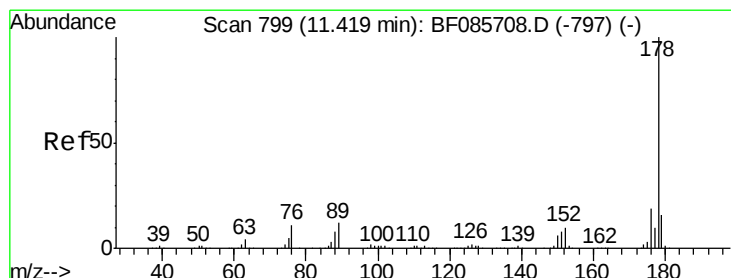
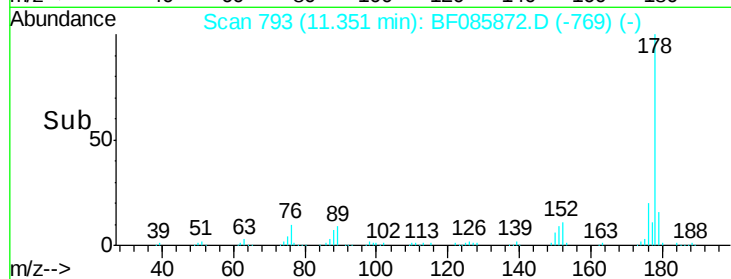
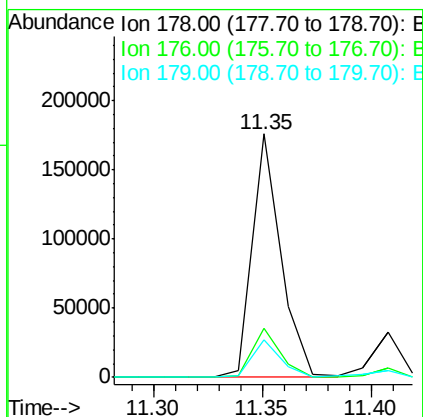
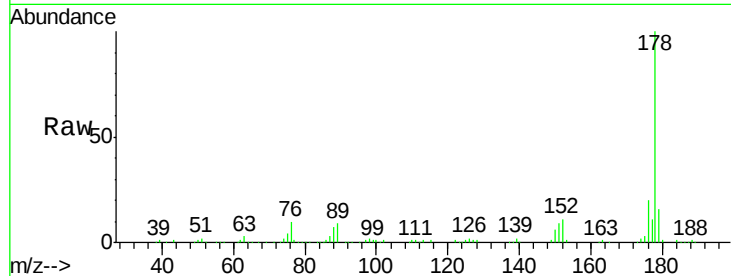
#70
Phenanthrene
Concen: 11.95 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.02 min
Lab File: BF085872.D
Acq: 30 Mar 2016 2:09

Instrument :
BNA_F
ClientSampleId :
NCB-083-CS-2(0-7FTBGS)

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	161386		
176	20.2	16.3	24.5	
179	15.6	12.6	18.8	

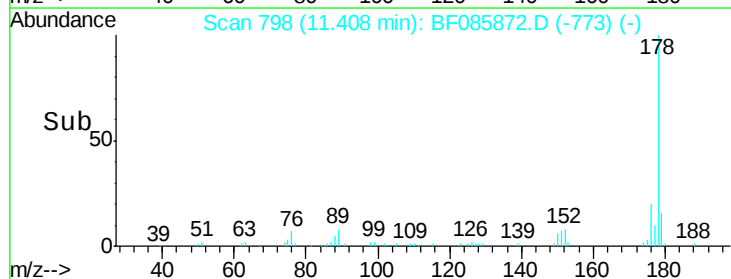
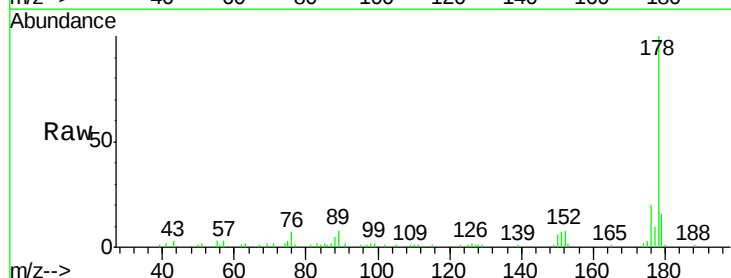
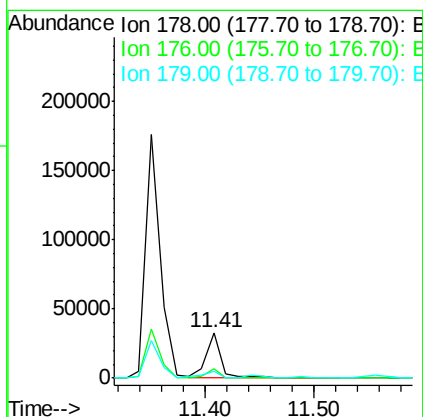
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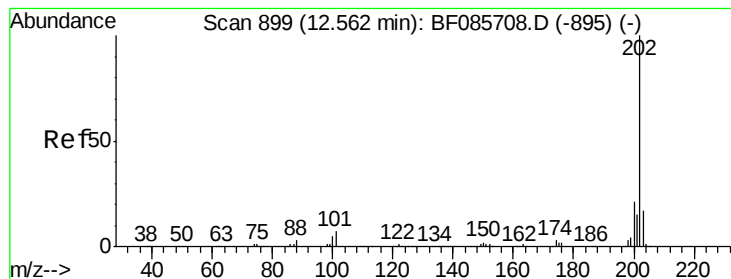
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#71
Anthracene
Concen: 2.32 ng
RT: 11.41 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF085872.D
Acq: 30 Mar 2016 2:09

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	32831		
176	19.8	15.9	23.9	
179	15.7	13.0	19.4	





#74

Fluoranthene

Concen: 18.54 ng

RT: 12.54 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF085872.D

Acq: 30 Mar 2016 2:09

Instrument :

BNA_F

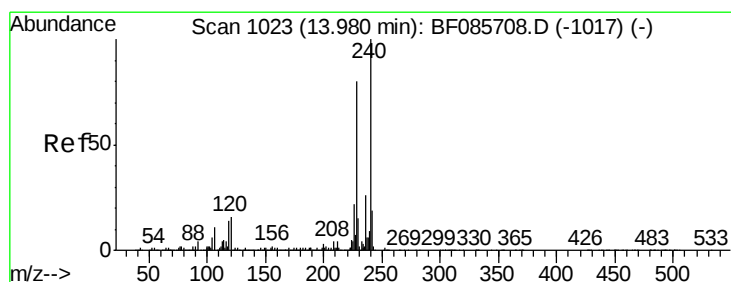
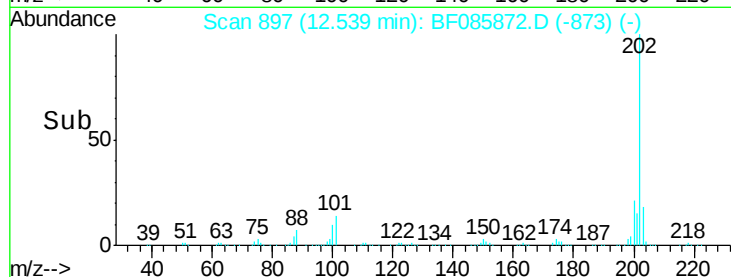
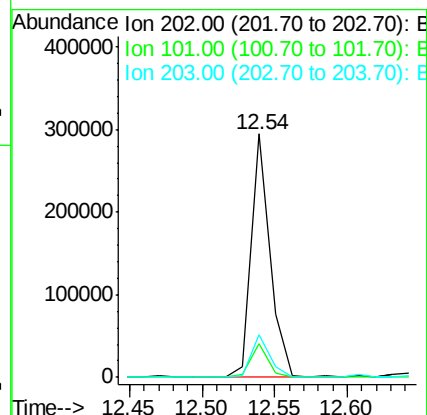
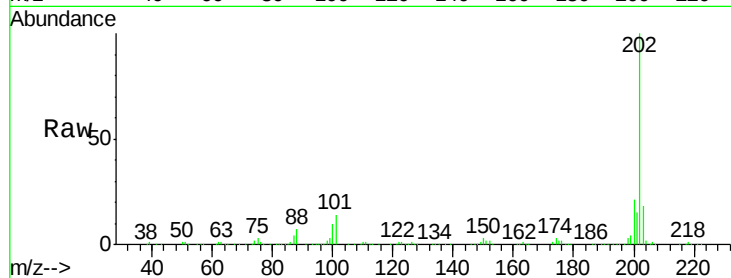
ClientSampleId :

NCB-083-CS-2(0-7FTBGS)

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	13.7	0.0	36.6
203	17.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

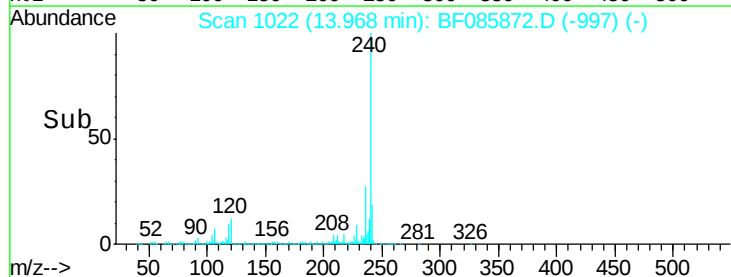
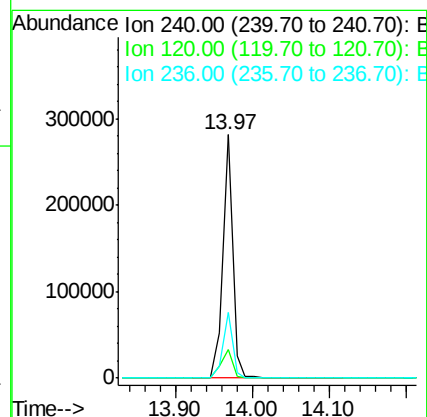
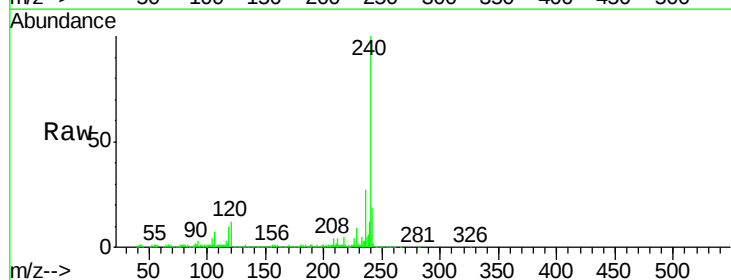
RT: 13.97 min Scan# 1022

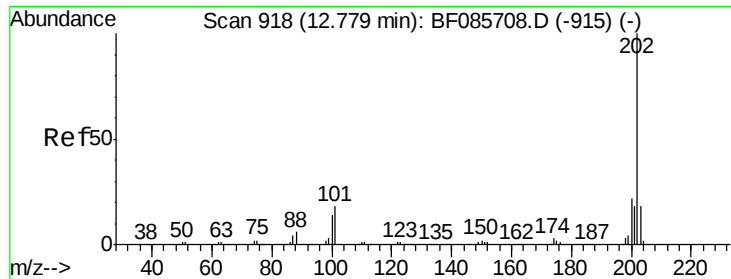
Delta R.T. -0.01 min

Lab File: BF085872.D

Acq: 30 Mar 2016 2:09

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.7	13.8	20.8#
236	27.2	20.6	30.8





#77

Pyrene

Concen: 13.35 ng

RT: 12.77 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF085872.D

Acq: 30 Mar 2016 2:09

Instrument :

BNA_F

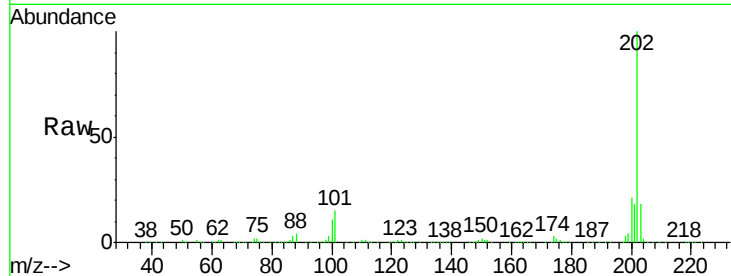
ClientSampleId :

NCB-083-CS-2(0-7FTBGS)

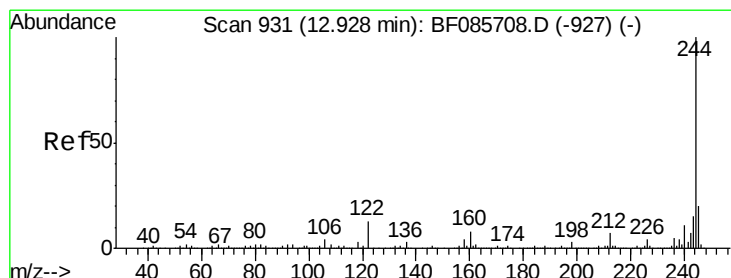
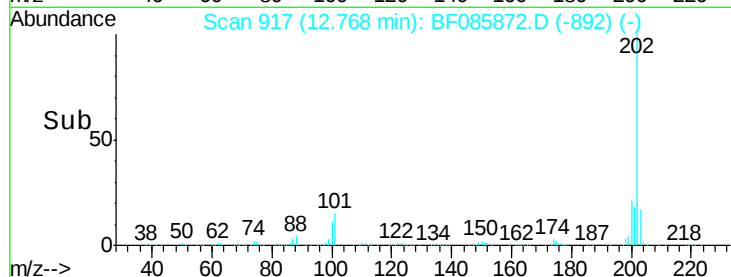
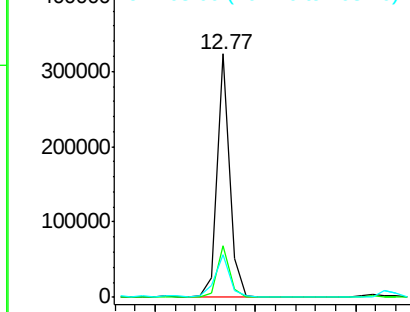
Tgt Ion:	202	Resp:	279139
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.6	26.4
203	17.7	14.0	21.0

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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: 55.97 ng

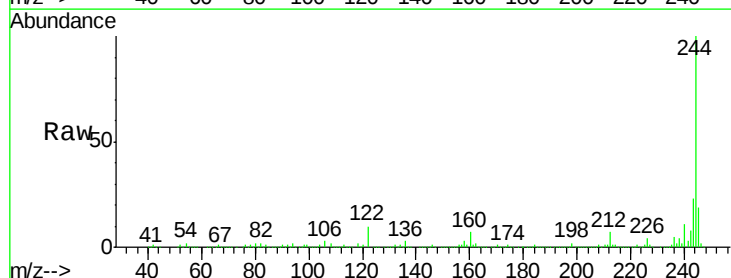
RT: 12.92 min Scan# 930

Delta R.T. -0.01 min

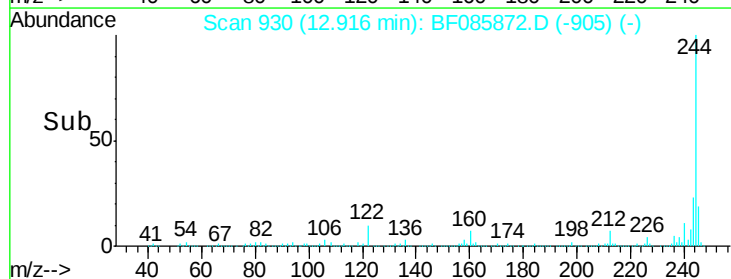
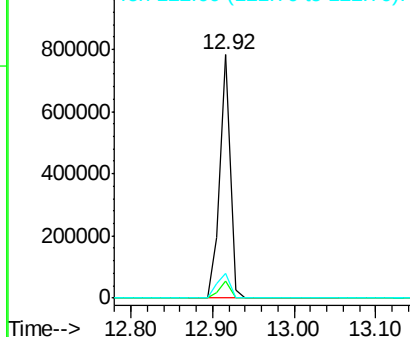
Lab File: BF085872.D

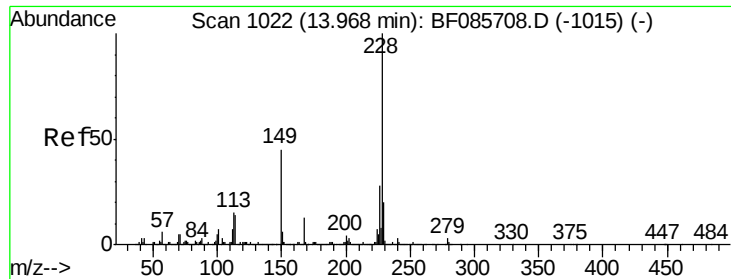
Acq: 30 Mar 2016 2:09

Tgt Ion:	244	Resp:	692085
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.1	9.1
122	10.3	10.2	15.4



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





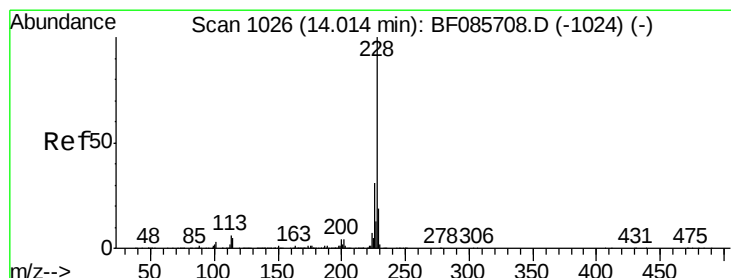
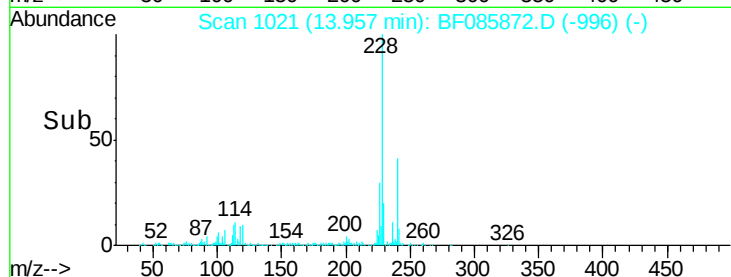
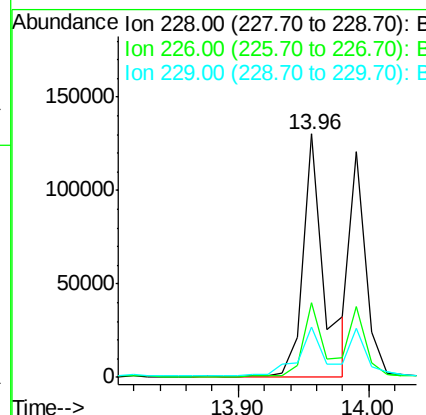
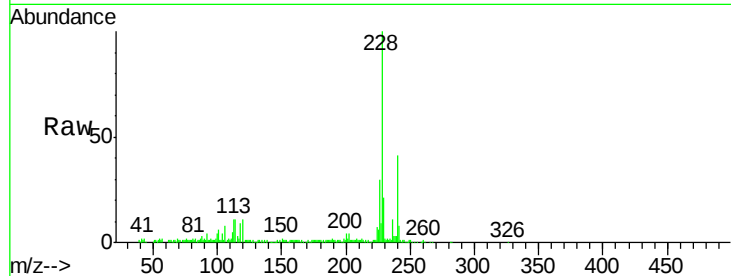
#80
Benzo(a)anthracene
Concen: 9.99 ng
RT: 13.96 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF085872.D
Acq: 30 Mar 2016 2:09

Instrument :
BNA_F
ClientSampleId :
NCB-083-CS-2(0-7FTBGS)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.1	33.1
229	20.6	16.2	24.4

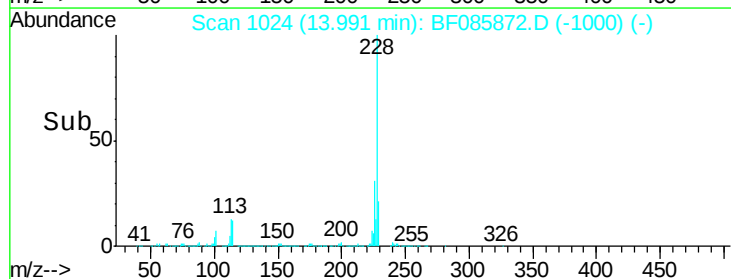
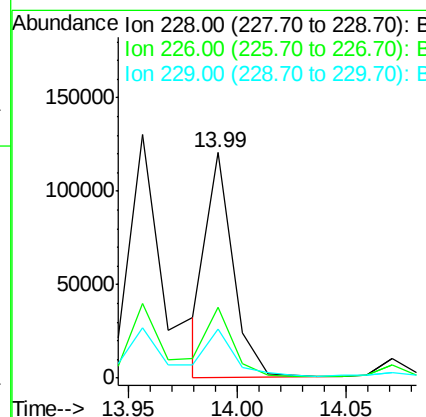
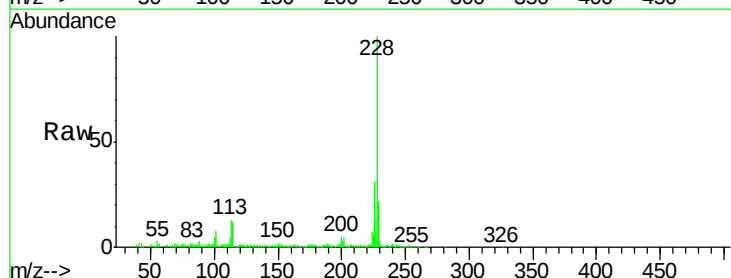
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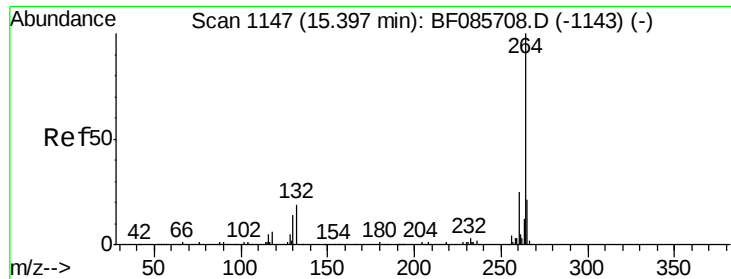
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#82
Chrysene
Concen: 6.91 ng
RT: 13.99 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF085872.D
Acq: 30 Mar 2016 2:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	21.8	15.7	23.5





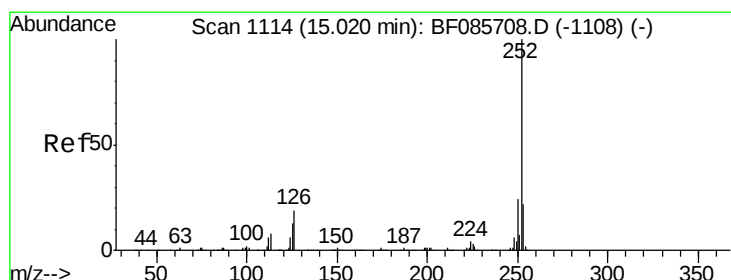
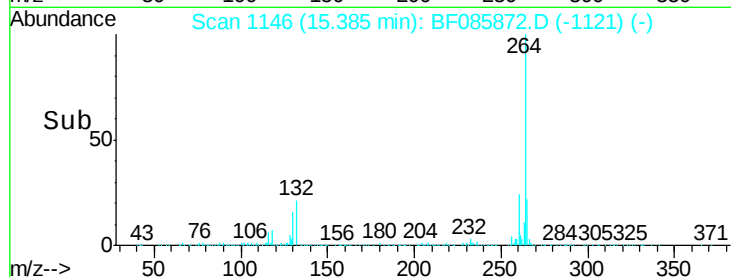
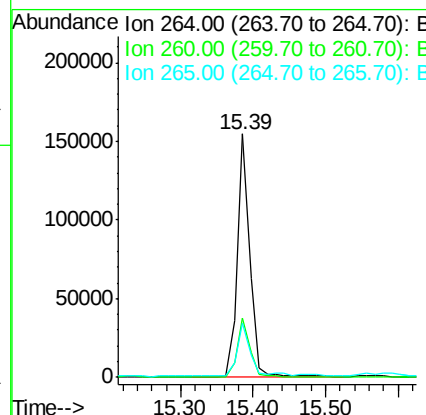
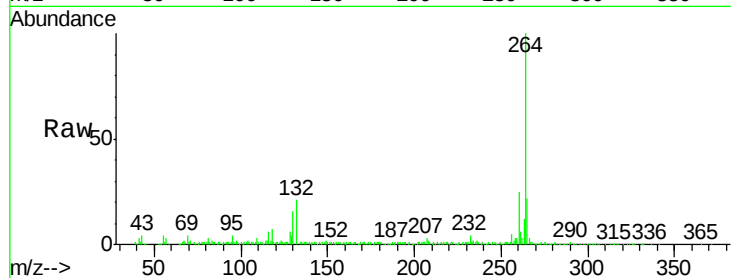
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF085872.D
Acq: 30 Mar 2016 2:09

Instrument :
BNA_F
ClientSampleId :
NCB-083-CS-2(0-7FTBGS)

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.6	19.4	29.2
265	22.1	17.2	25.8

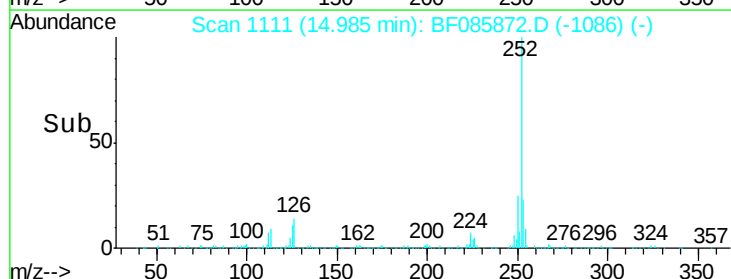
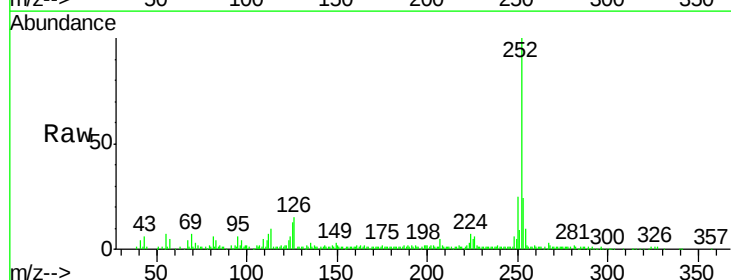
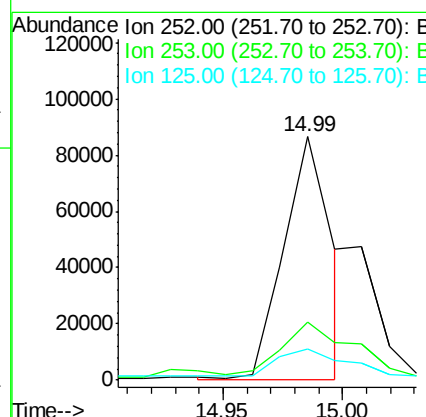
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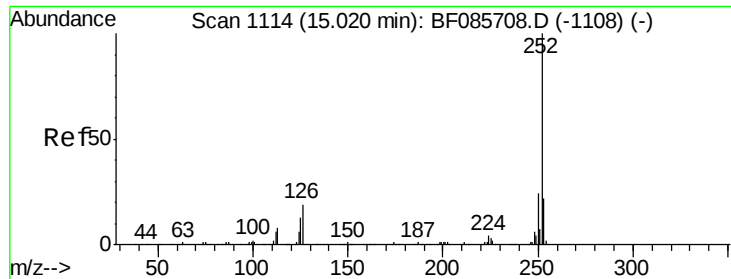
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#87
Benzo(b)fluoranthene
Concen: 10.52 ng m
RT: 14.99 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BF085872.D
Acq: 30 Mar 2016 2:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.9	17.6	26.4
125	12.8	10.3	15.5





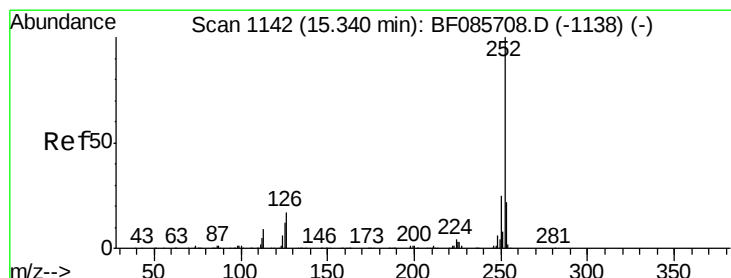
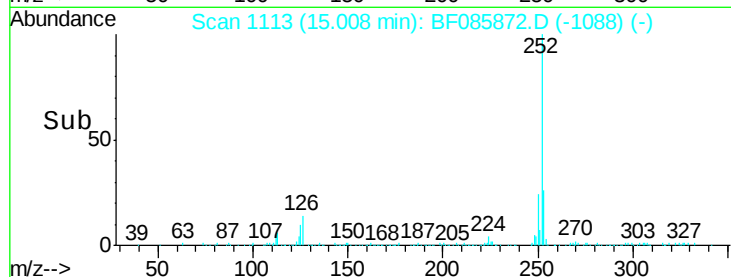
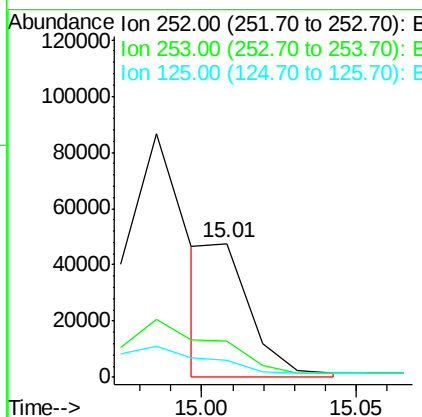
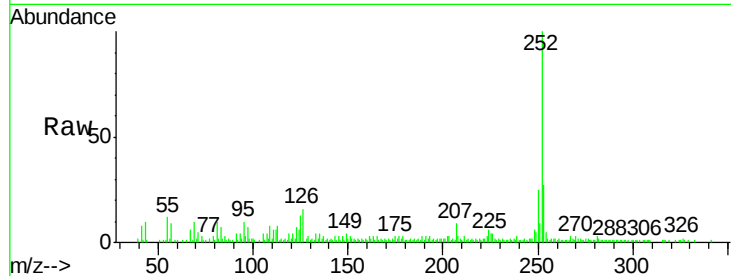
#88
Benzo(k)fluoranthene
Concen: 4.20 ng m
RT: 15.01 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BF085872.D
Acq: 30 Mar 2016 2:09

Instrument :
BNA_F
ClientSampleId :
NCB-083-CS-2(0-7FTBGS)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.8	26.6#
125	12.6	7.7	11.5#

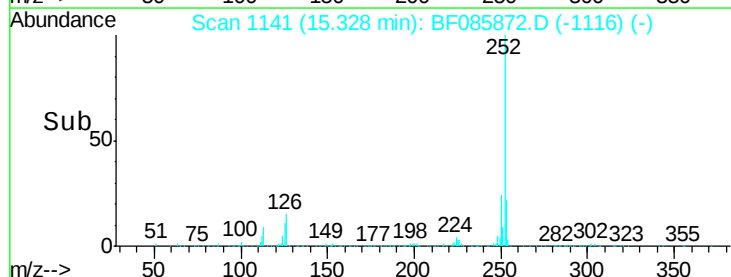
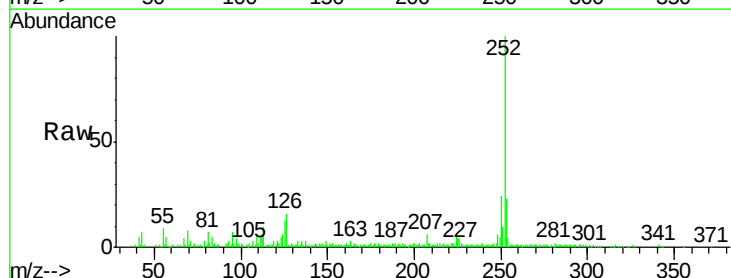
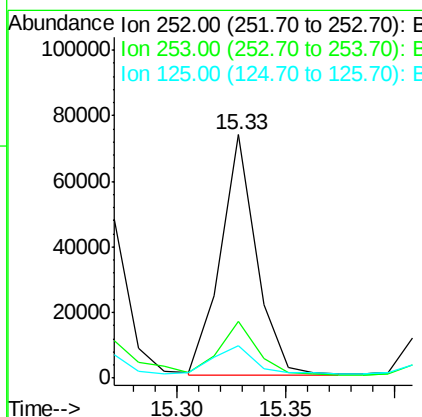
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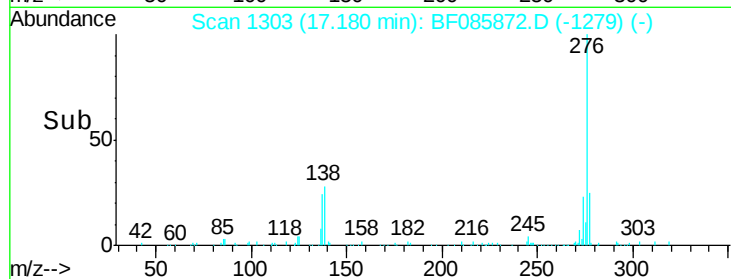
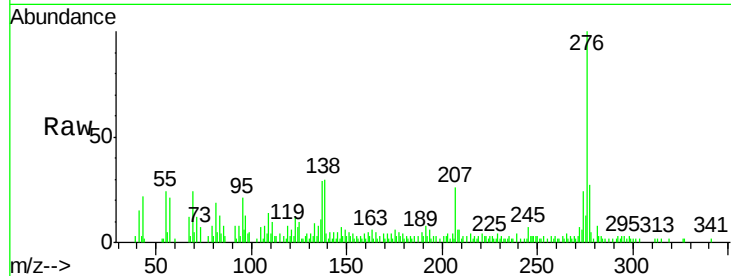
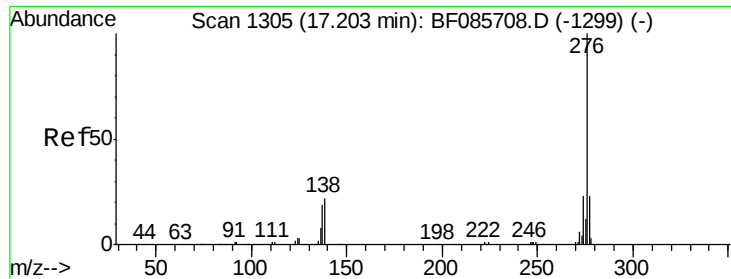
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#89
Benzo(a)pyrene
Concen: 8.30 ng
RT: 15.33 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF085872.D
Acq: 30 Mar 2016 2:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	13.1	10.3	15.5





#91
Benzo(g,h,i)perylene
Concen: 4.11 ng
RT: 17.18 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF085872.D
Acq: 30 Mar 2016 2:09

Instrument :
BNA_F
ClientSampleId :
NCB-083-CS-2(0-7FTBGS)

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	27.2	18.8	28.2
138	29.6	22.6	34.0

Manual Integrations
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