

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
 Data File : BF087201.D
 Acq On : 19 May 2016 22:04
 Operator : UM/SJ
 Sample : H3156-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-001-160517

Manual Integrations
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Quant Time: May 20 03:44:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 20 03:23:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	138096	20.00	ng	0.00
21) Naphthalene-d8	7.85	136	566703	20.00	ng	-0.01
38) Acenaphthene-d10	9.60	164	271116	20.00	ng	0.00
63) Phenanthrene-d10	11.07	188	444741	20.00	ng	-0.01
75) Chrysene-d12	13.70	240	308668	20.00	ng	-0.01
86) Perylene-d12	15.05	264	288384	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	940334	114.45	ng	0.01
7) Phenol-d6	6.24	99	1418414	128.72	ng	0.00
23) Nitrobenzene-d5	7.14	82	866748	76.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.39	330	309271	103.23	ng	-0.01
44) 2-Fluorobiphenyl	8.94	172	1312207	80.16	ng	0.00
78) Terphenyl-d14	12.66	244	954581	69.96	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.34	163	283668	13.72	ng	99
70) Phenanthrene	11.10	178	102076	4.23	ng	98
74) Fluoranthene	12.28	202	273266	11.31	ng	91
77) Pyrene	12.50	202	229118	10.27	ng	97
80) Benzo(a)anthracene	13.69	228	90374	5.06	ng	99
82) Chrysene	13.73	228	95284	5.52	ng	99
85) Indeno(1,2,3-cd)pyrene	16.29	276	77250	5.10	ng	# 89
87) Benzo(b)fluoranthene	14.70	252	161564m	8.44	ng	
88) Benzo(k)fluoranthene	14.71	252	47298m	3.32	ng	
89) Benzo(a)pyrene	15.01	252	96226	6.02	ng	97
91) Benzo(g,h,i)perylene	16.64	276	74052	5.45	ng	94

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

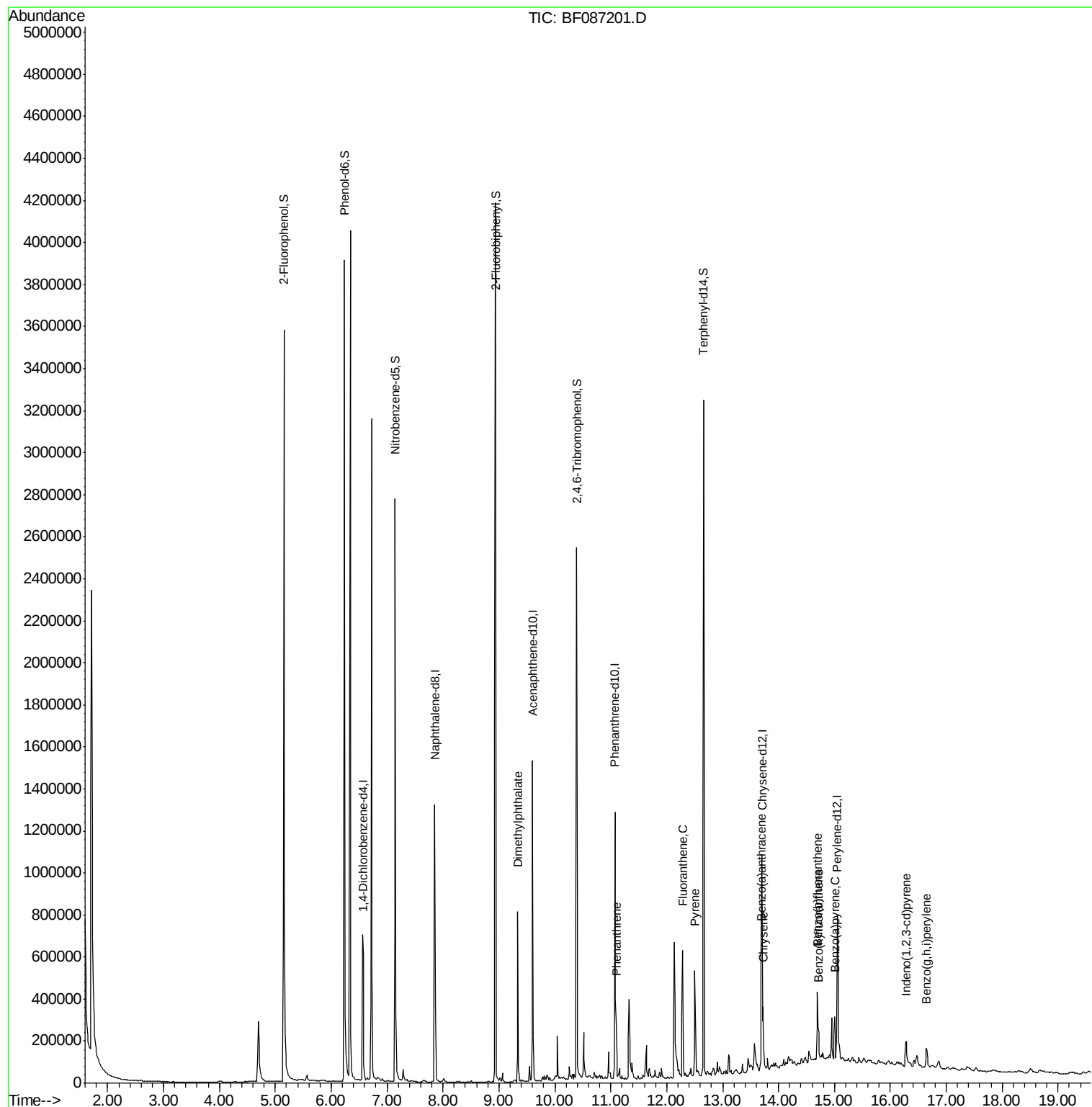
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087201.D
Acq On : 19 May 2016 22:04
Operator : UM/SJ
Sample : H3156-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

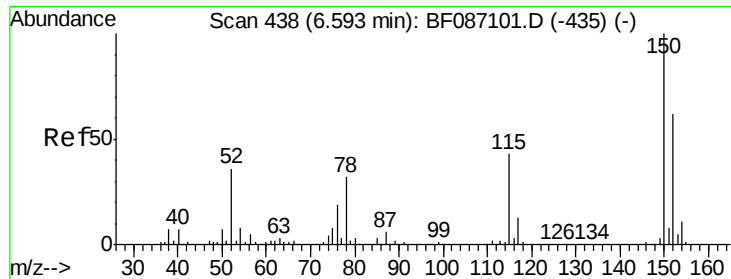
Instrument :
BNA_F
ClientSampleId :
SP-001-160517

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Quant Time: May 20 03:44:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

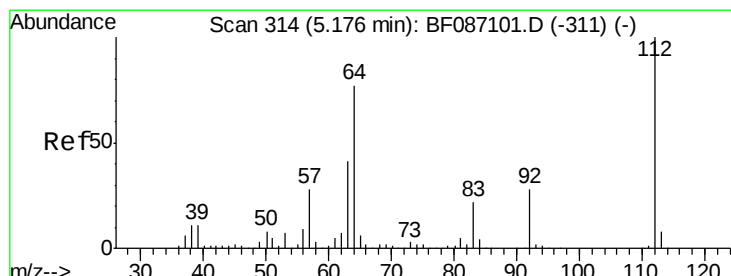
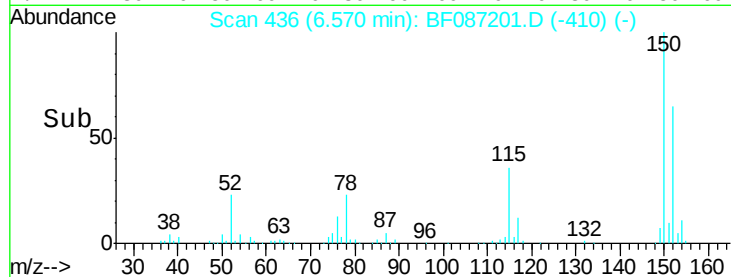
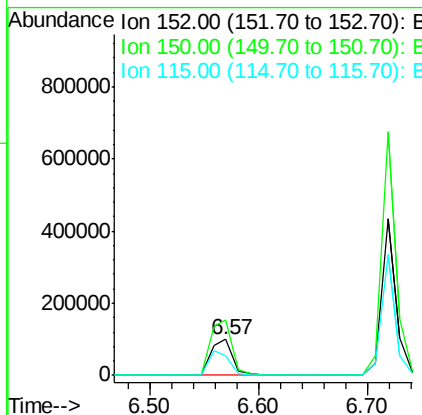
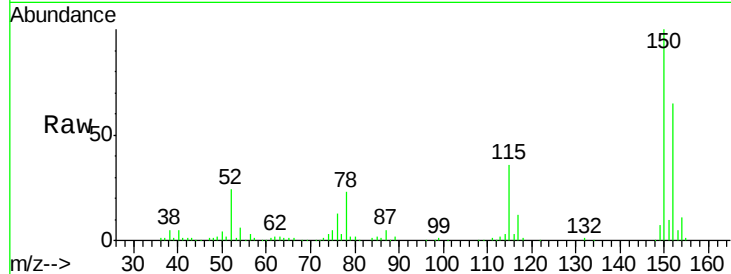
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 436
Delta R.T. -0.00 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	138096		
150	153.0	125.8	188.6	
115	55.7	51.5	77.3	

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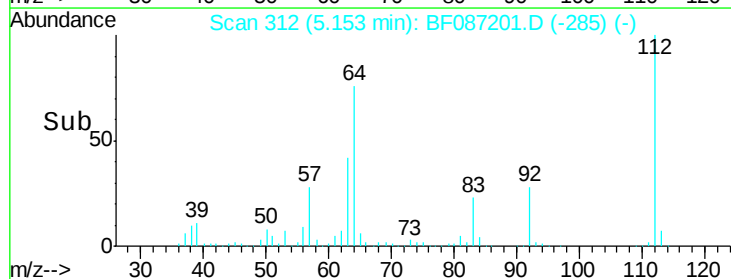
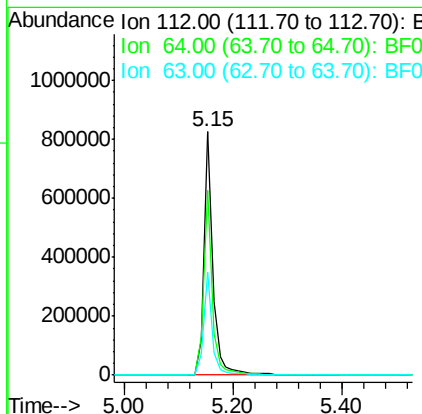
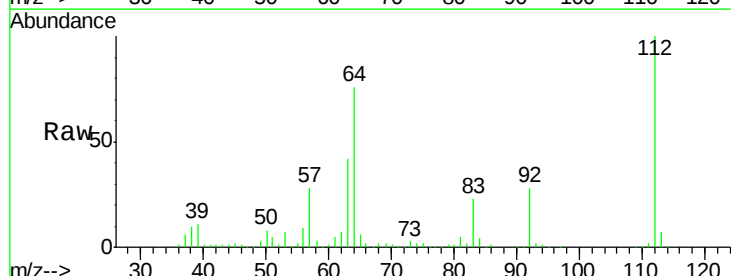
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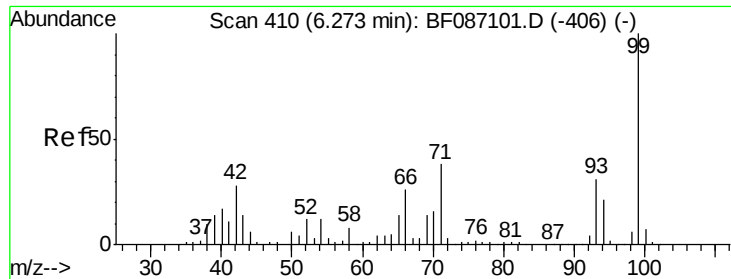


#5

2-Fluorophenol
Concen: 114.45 ng
RT: 5.15 min Scan# 312
Delta R.T. 0.01 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	940334		
64	76.1	52.1	78.1	
63	42.1	25.7	38.5	





#7

Phenol-d6

Concen: 128.72 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.00 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

Instrument :

BNA_F

ClientSampleId :

SP-001-160517

Tgt Ion: 99 Resp: 1418414

Ion Ratio Lower Upper

99 100

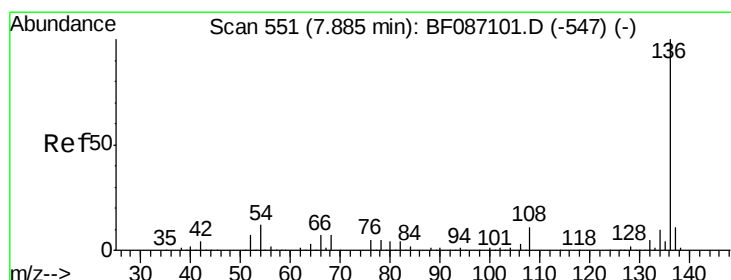
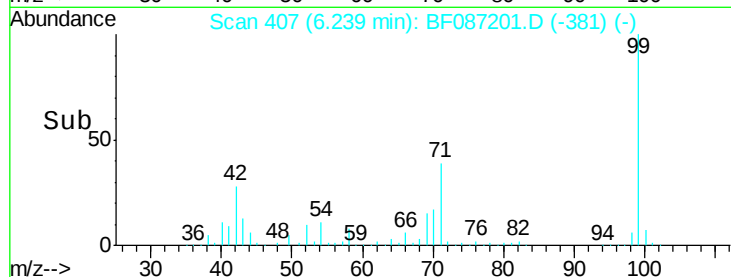
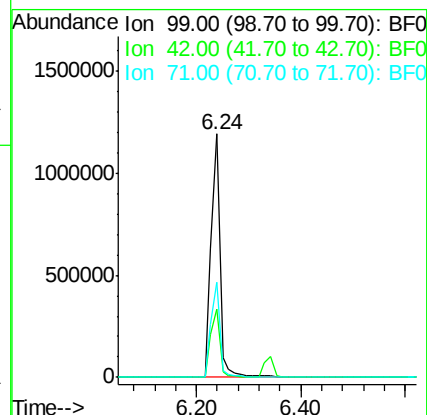
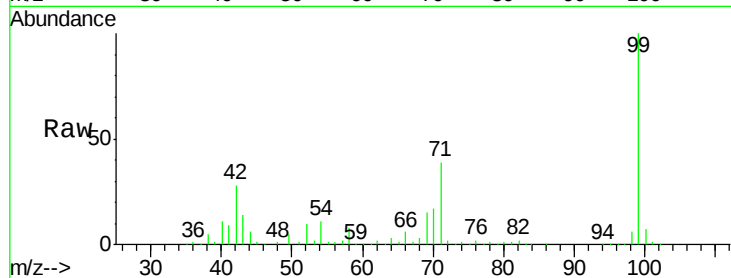
42 27.9 13.6 20.4#

71 39.2 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.01 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

Tgt Ion: 136 Resp: 566703

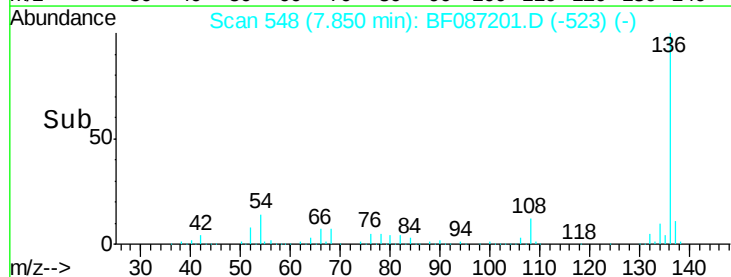
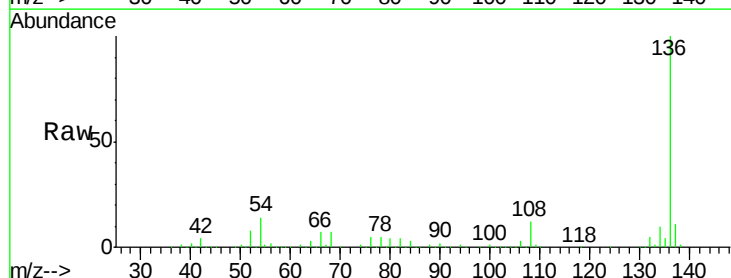
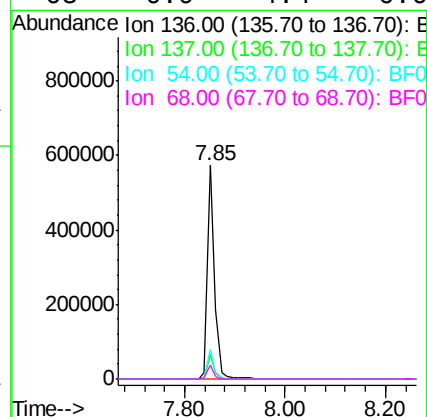
Ion Ratio Lower Upper

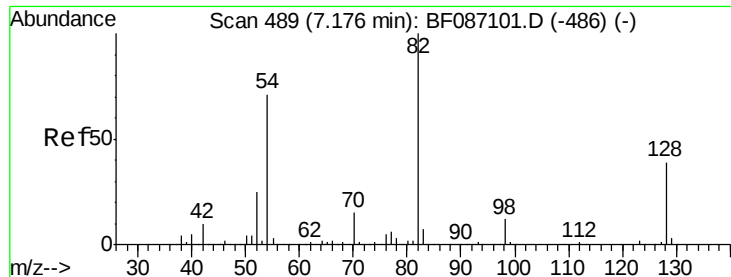
136 100

137 11.2 8.8 13.2

54 13.7 5.0 7.4#

68 6.9 4.4 6.6#





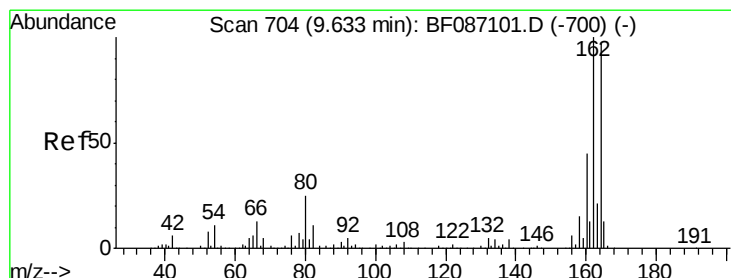
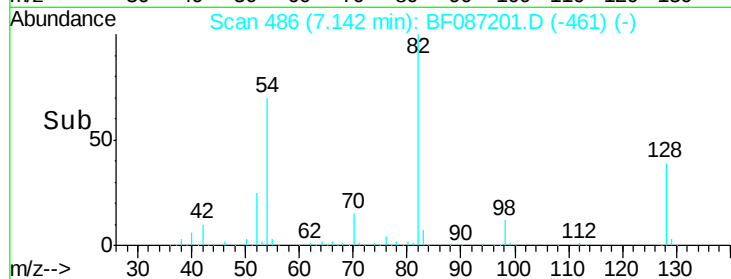
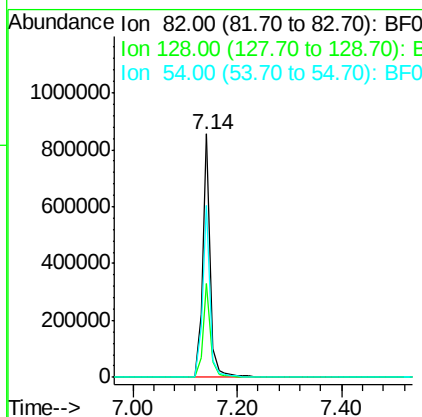
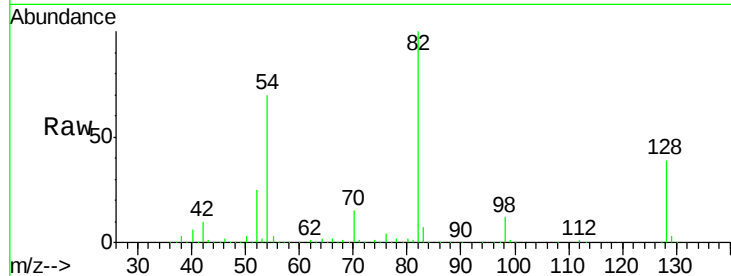
#23
 Nitrobenzene-d5
 Concen: 76.23 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.01 min
 Lab File: BF087201.D
 Acq: 19 May 2016 22:04

Instrument :
 BNA_F
 ClientSampleId :
 SP-001-160517

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.7	40.6	61.0#
54	70.4	38.1	57.1#

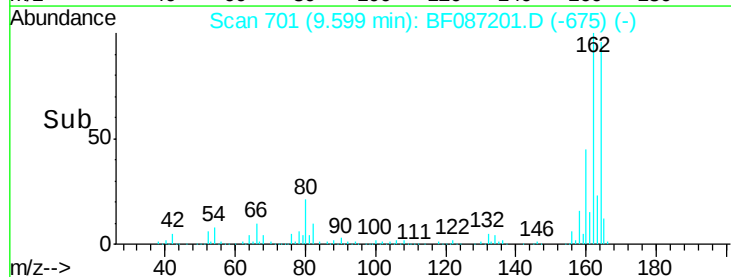
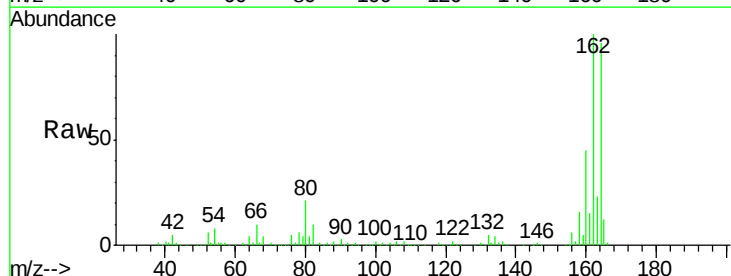
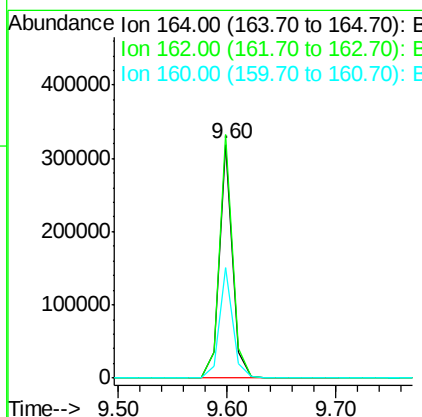
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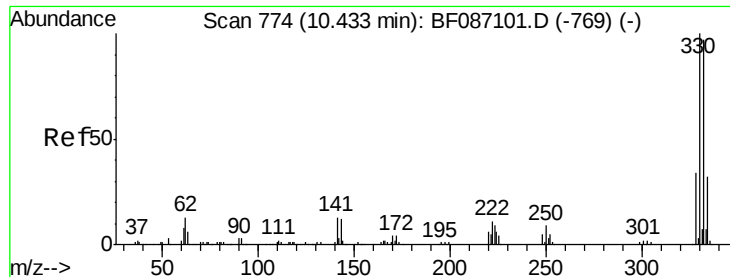
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.60 min Scan# 701
 Delta R.T. -0.00 min
 Lab File: BF087201.D
 Acq: 19 May 2016 22:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.8	124.2
160	47.2	36.9	55.3





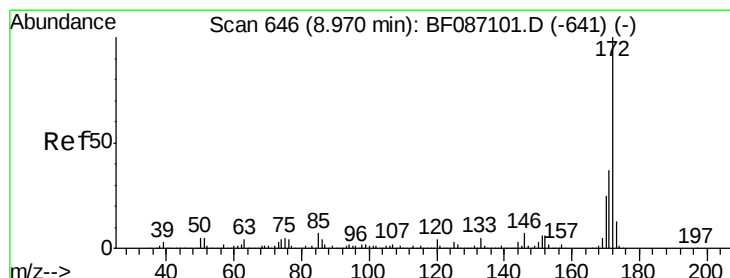
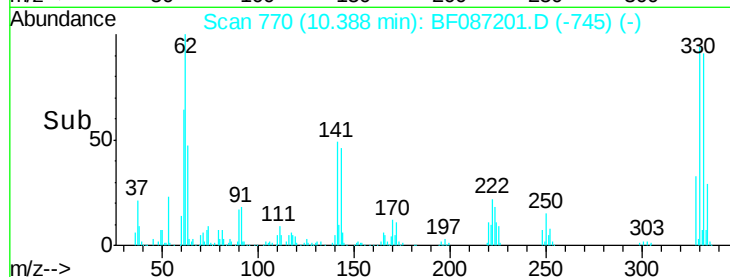
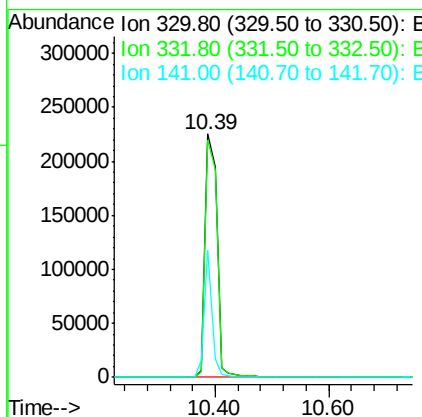
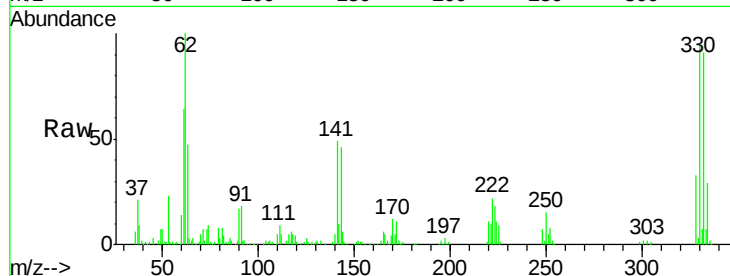
#41
 2,4,6-Tribromophenol
 Concen: 103.23 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BF087201.D
 Acq: 19 May 2016 22:04

Instrument :
 BNA_F
 ClientSampleId :
 SP-001-160517

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	309271		
332	97.7	79.0	118.4	
141	35.0	31.2	46.8	

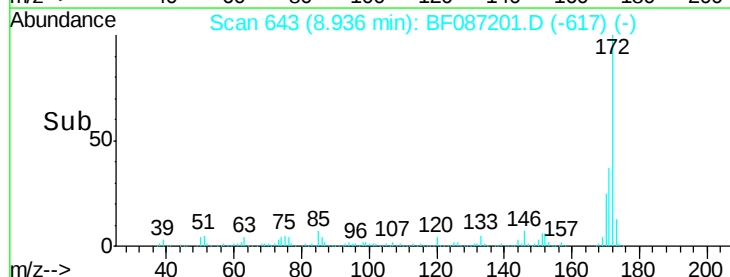
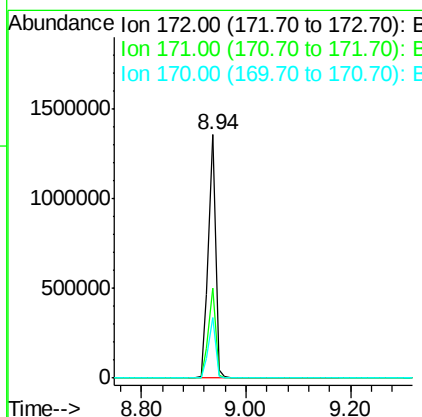
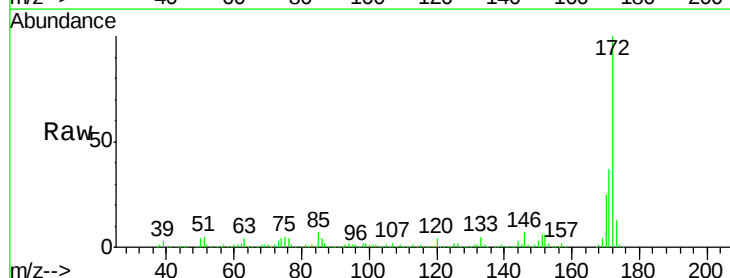
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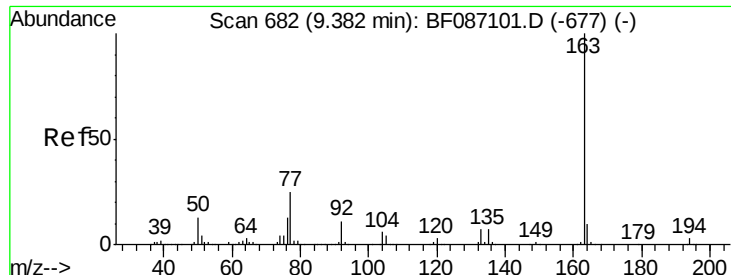
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#44
 2-Fluorobiphenyl
 Concen: 80.16 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: BF087201.D
 Acq: 19 May 2016 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1312207		
171	36.9	29.0	43.6	
170	24.6	19.8	29.8	





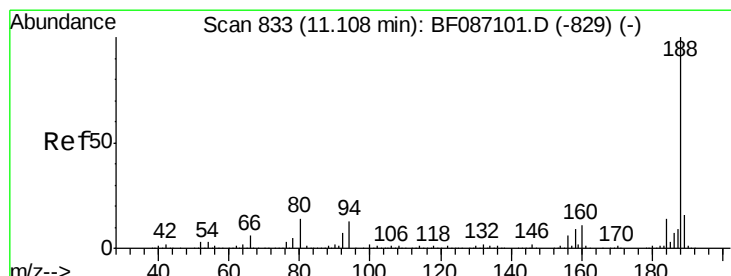
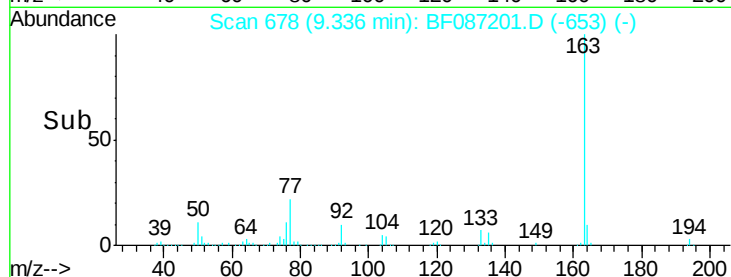
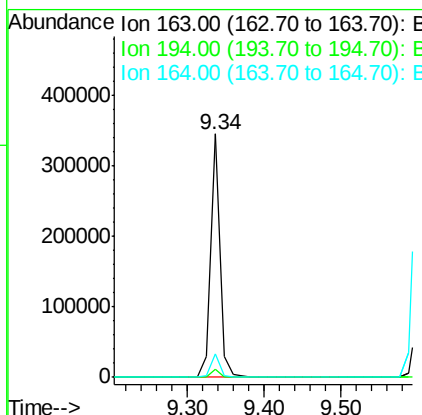
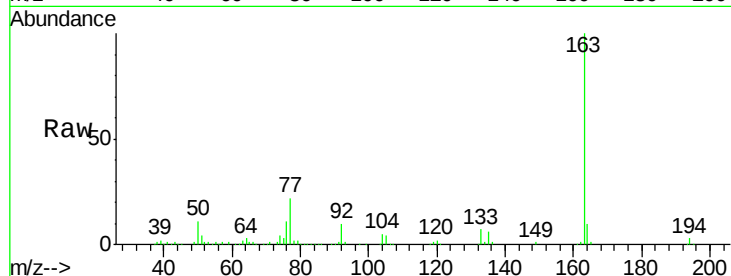
#49
Dimethylphthalate
Concen: 13.72 ng
RT: 9.34 min Scan# 678
Delta R.T. -0.01 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	283668		
194	3.2	2.6	4.0	
164	9.9	8.2	12.4	

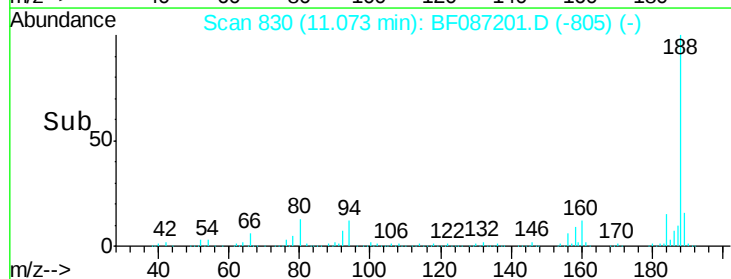
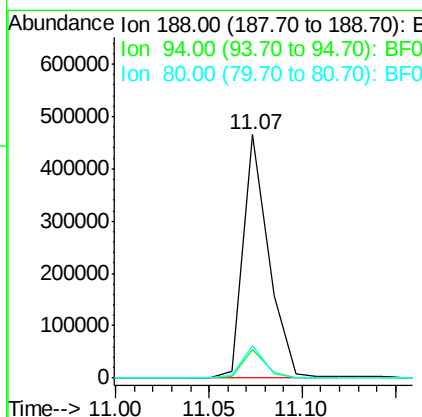
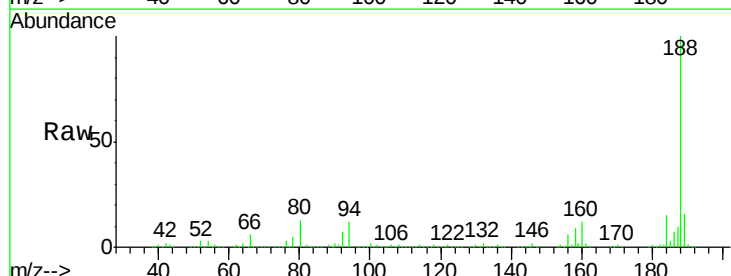
Manual Integrations
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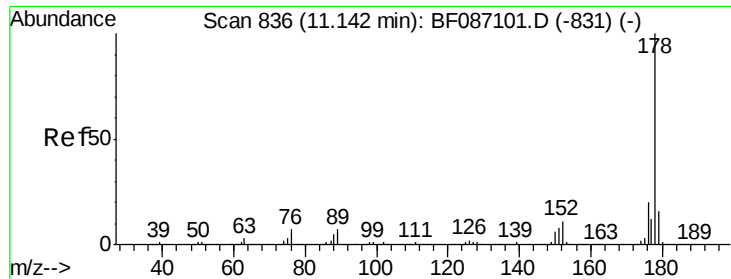
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	444741		
94	11.9	6.8	10.2#	
80	13.4	7.1	10.7#	





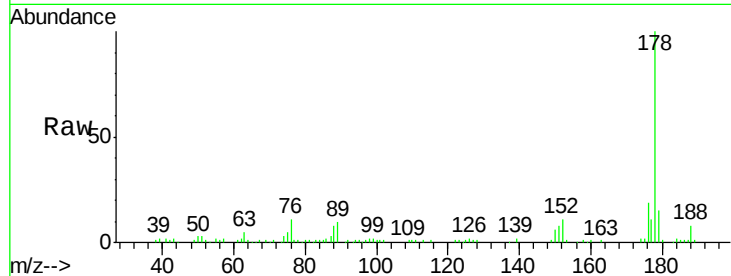
#70
Phenanthrene
Concen: 4.23 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

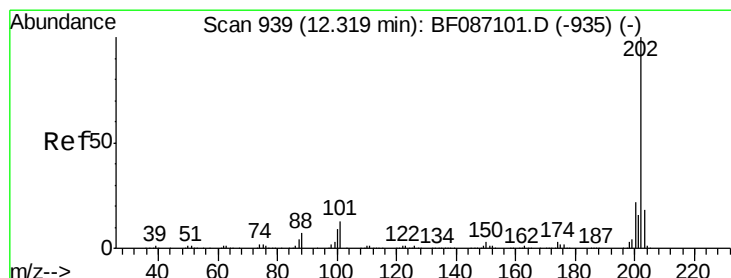
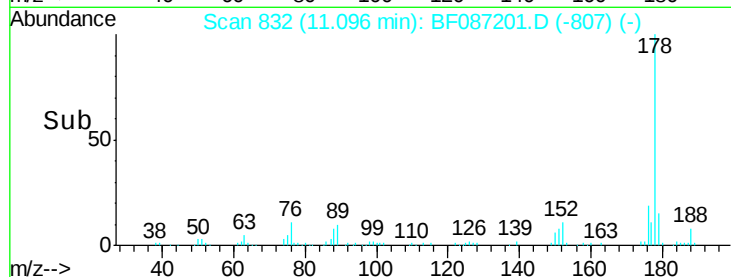
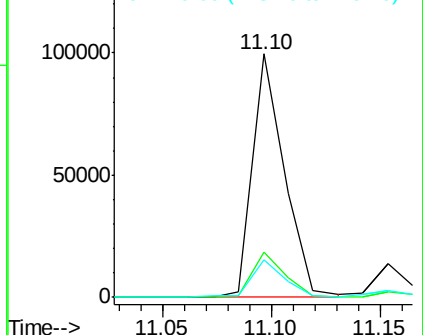
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	102076		
176	18.7	16.0	24.0	
179	15.2	12.6	18.8	

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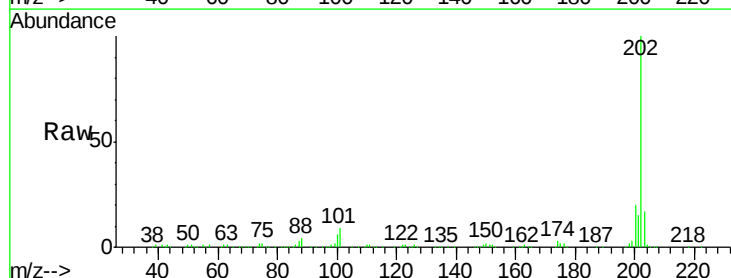


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

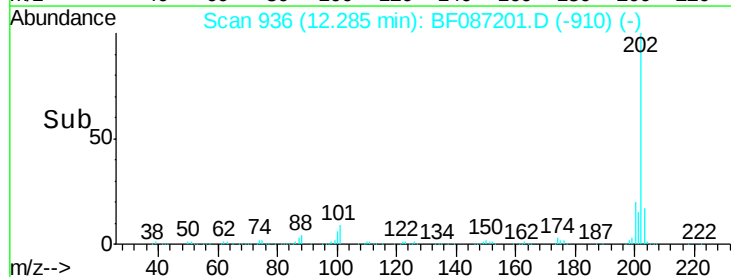
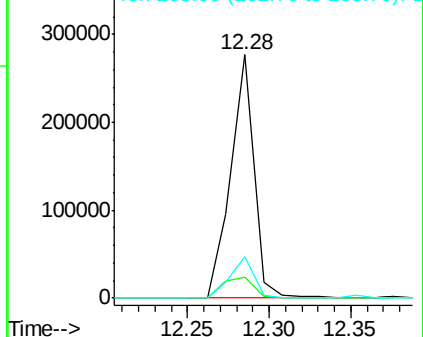


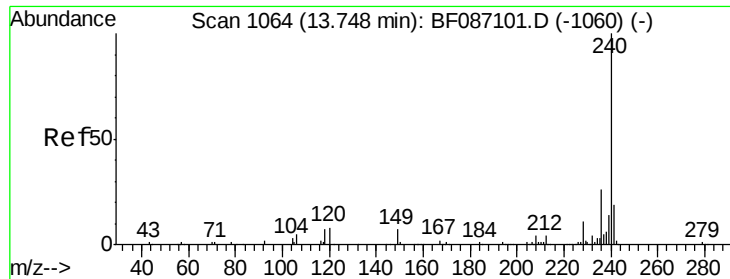
#74
Fluoranthene
Concen: 11.31 ng
RT: 12.28 min Scan# 936
Delta R.T. -0.00 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	273266		
101	8.8	0.0	35.4	
203	17.0	0.0	38.1	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

Instrument :

BNA_F

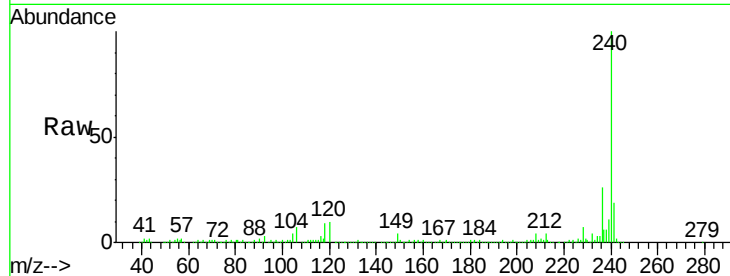
ClientSampleId :

SP-001-160517

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	308668		
120	10.3	11.2	16.8#	
236	26.5	21.2	31.8	

Manual Integrations
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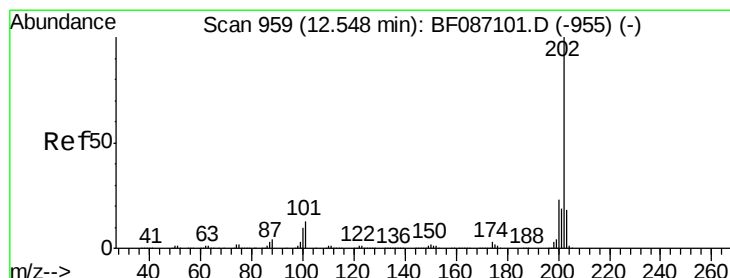
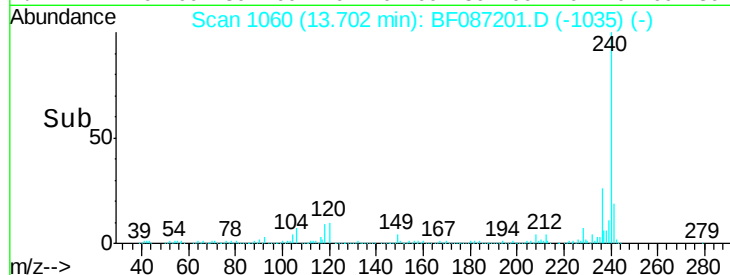
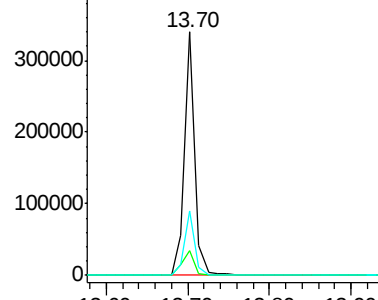
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 10.27 ng

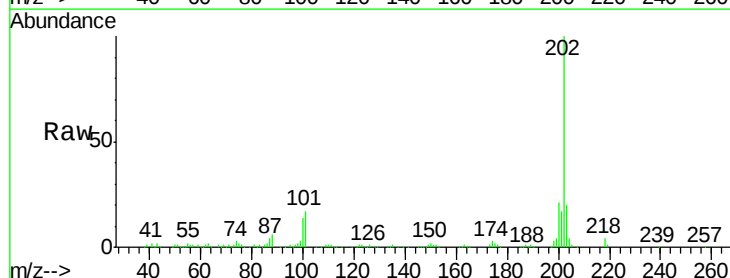
RT: 12.50 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

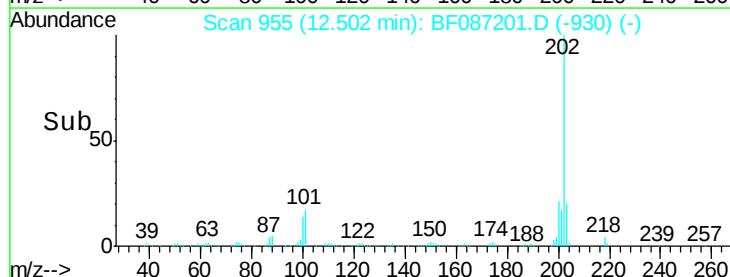
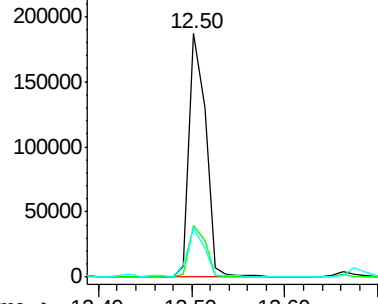
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	229118		
200	21.0	17.7	26.5	
203	19.9	14.2	21.4	

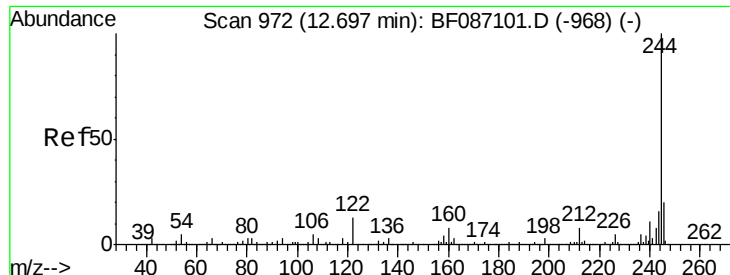


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





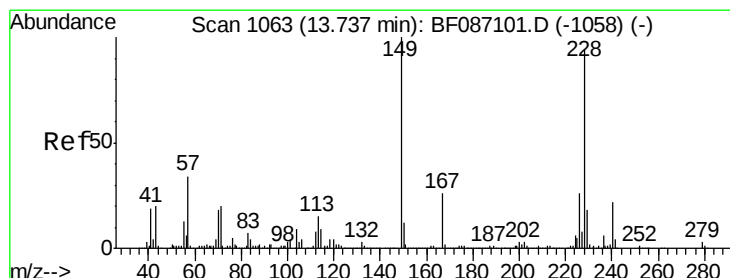
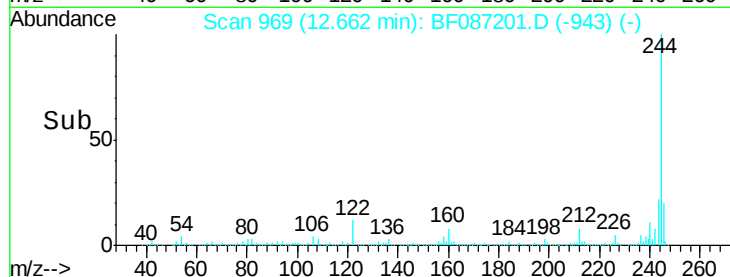
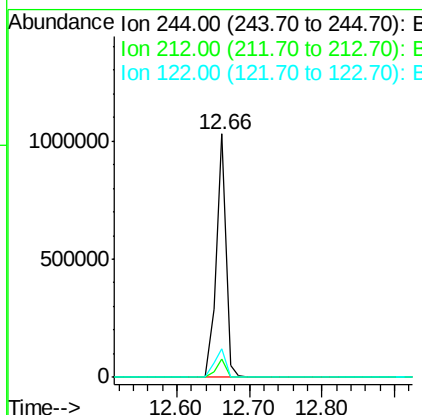
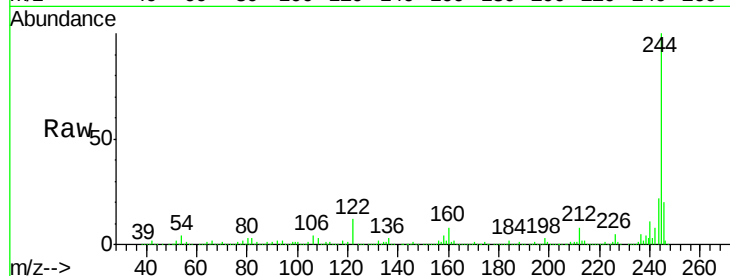
#78
 Terphenyl-d14
 Concen: 69.96 ng
 RT: 12.66 min Scan# 969
 Delta R.T. -0.00 min
 Lab File: BF087201.D
 Acq: 19 May 2016 22:04

Instrument :
 BNA_F
 ClientSampleId :
 SP-001-160517

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	954581		
212	7.7	6.2	9.2	
122	11.6	12.0	18.0	

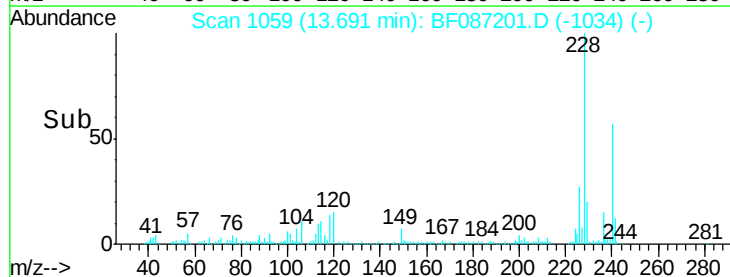
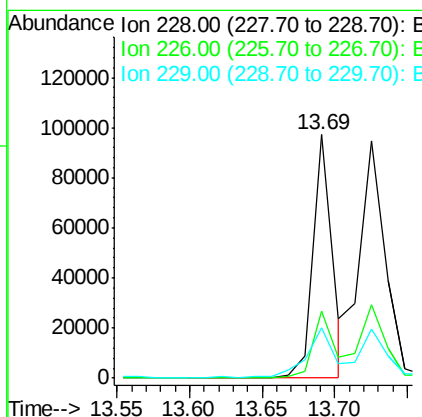
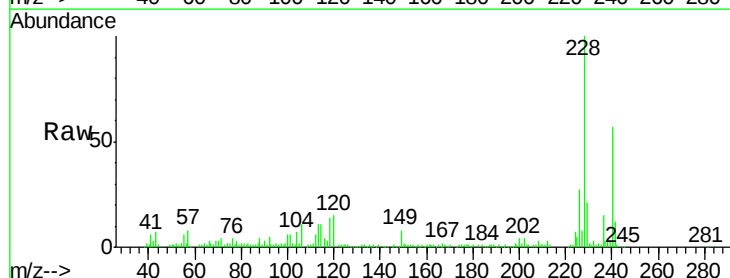
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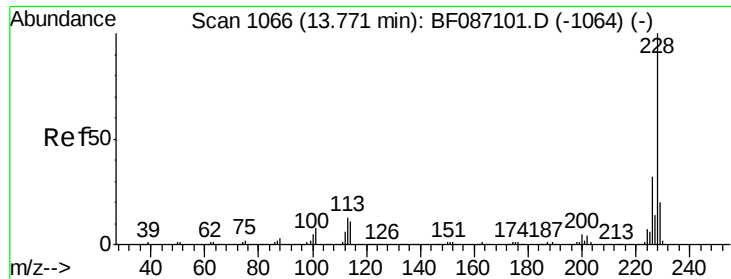
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#80
 Benzo(a)anthracene
 Concen: 5.06 ng
 RT: 13.69 min Scan# 1059
 Delta R.T. -0.01 min
 Lab File: BF087201.D
 Acq: 19 May 2016 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	90374		
226	27.3	22.5	33.7	
229	20.9	16.6	25.0	





#82

Chrysene

Concen: 5.52 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

Instrument :

BNA_F

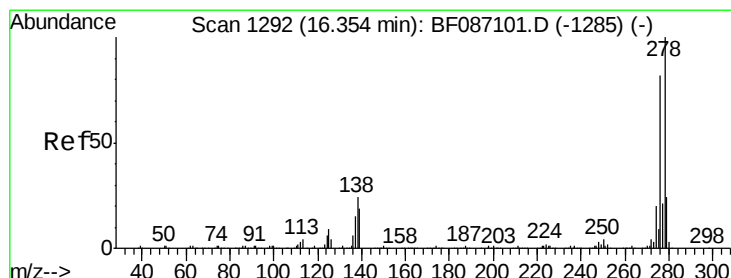
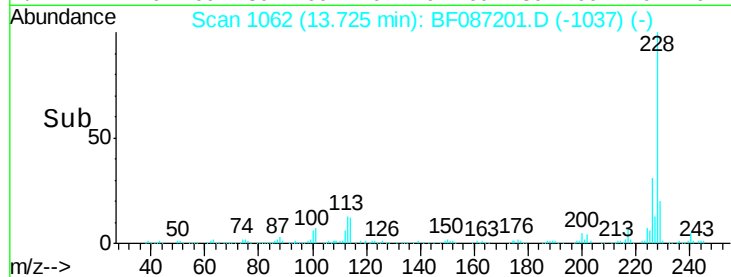
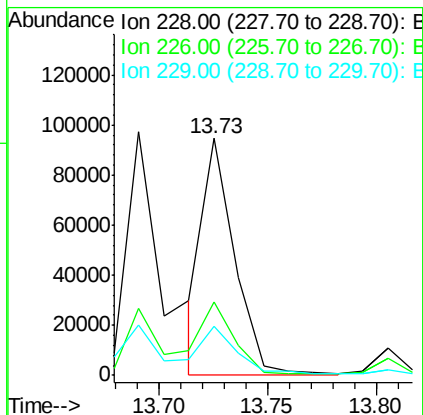
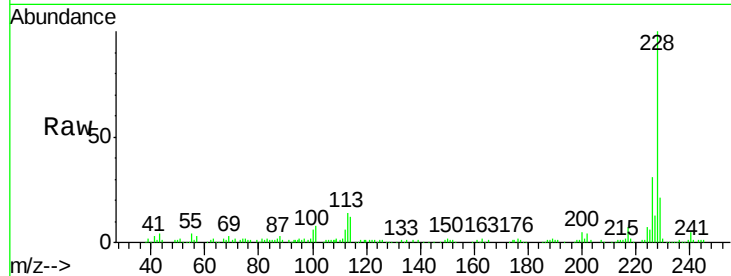
ClientSampleId :

SP-001-160517

Tgt Ion:	228	Resp:	95284
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.4	36.6
229	20.6	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.10 ng

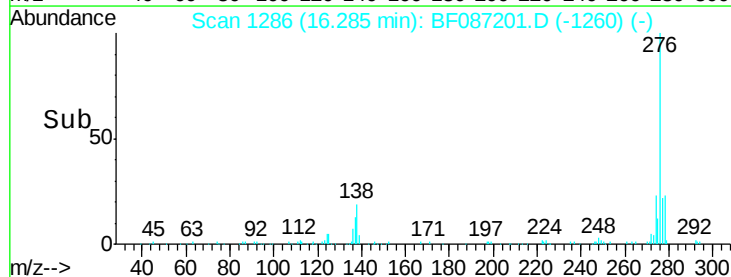
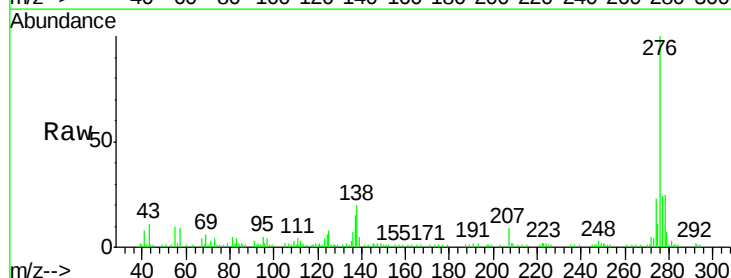
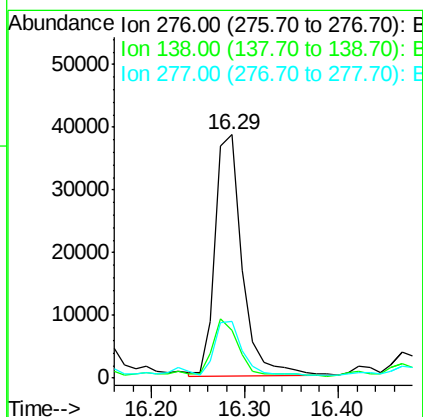
RT: 16.29 min Scan# 1286

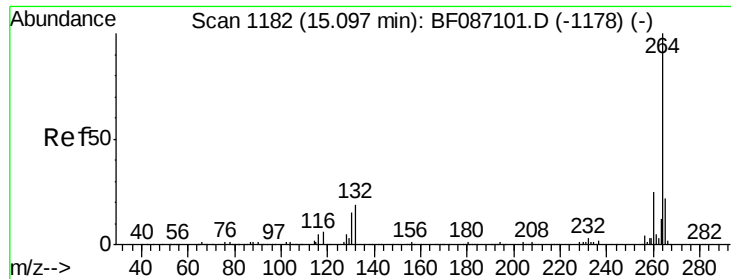
Delta R.T. -0.00 min

Lab File: BF087201.D

Acq: 19 May 2016 22:04

Tgt Ion:	276	Resp:	77250
Ion Ratio	Lower	Upper	
276	100		
138	24.0	25.6	38.4#
277	22.5	20.5	30.7





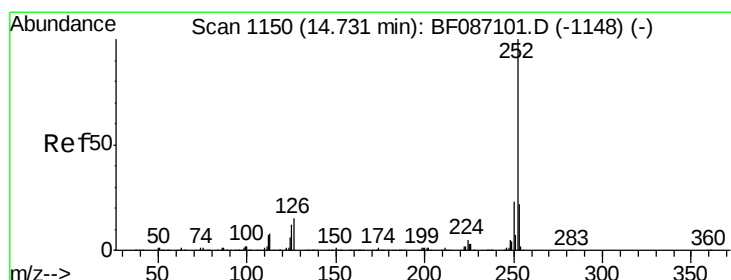
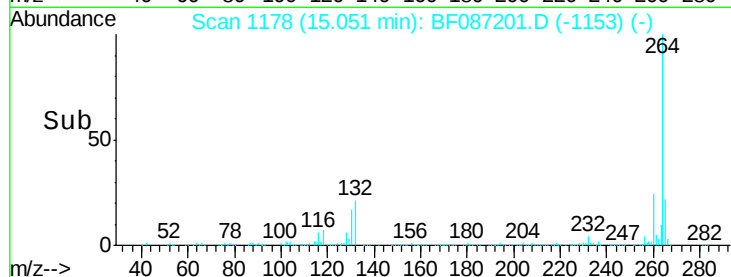
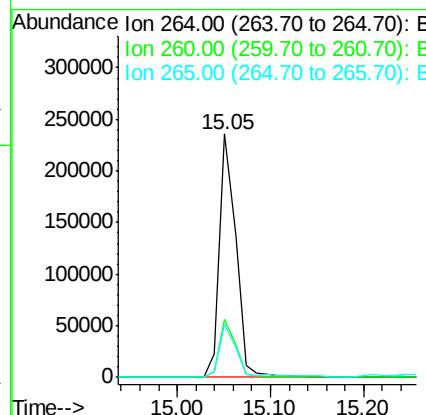
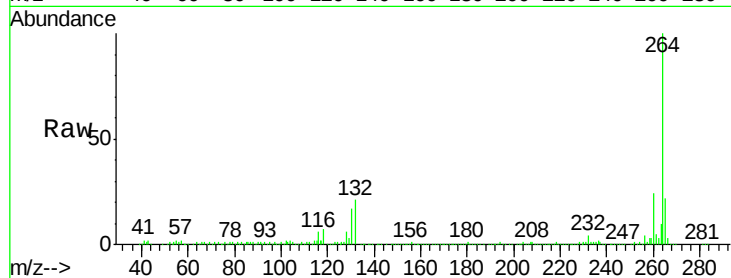
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	288384		
260	23.6	19.5	29.3	
265	21.8	17.3	25.9	

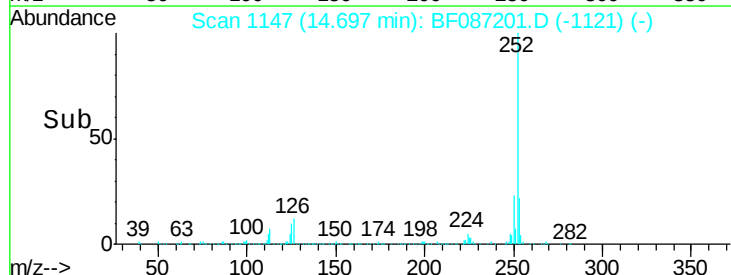
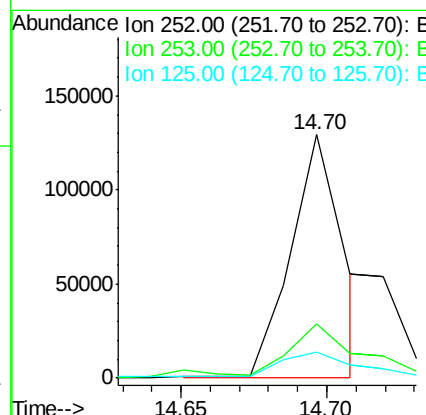
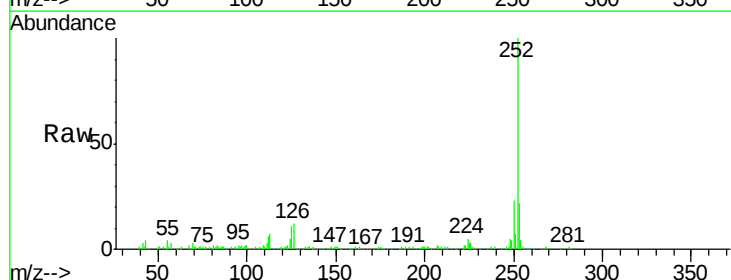
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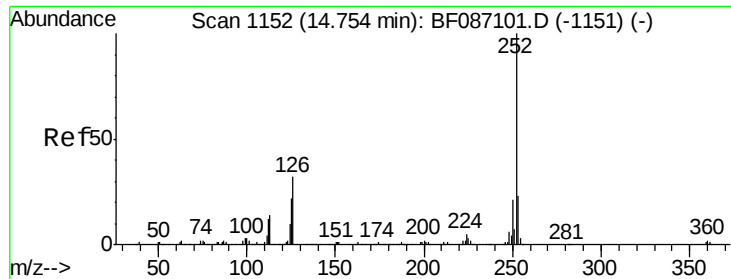
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#87
Benzo(b)fluoranthene
Concen: 8.44 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	161564		
253	22.4	17.8	26.6	
125	10.9	11.4	17.0	





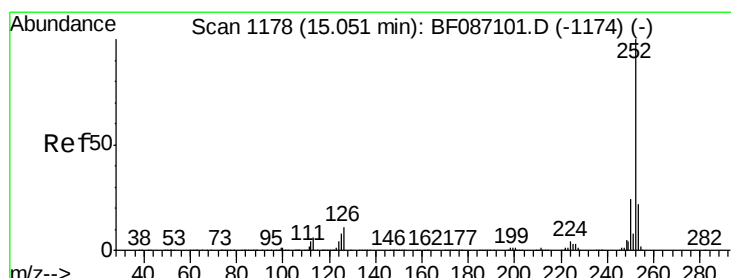
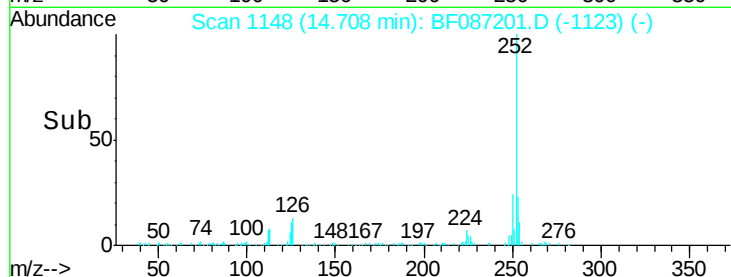
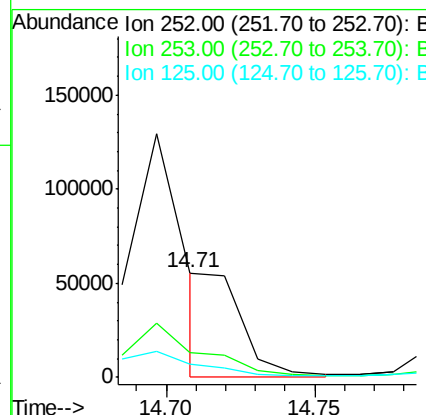
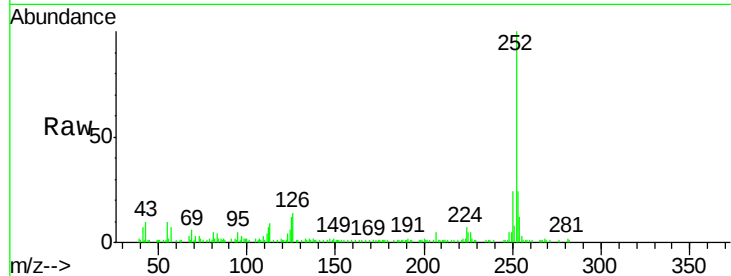
#88
Benzo(k)fluoranthene
Concen: 3.32 ng m
RT: 14.71 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Instrument :
BNA_F
ClientSampleId :
SP-001-160517

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	12.2	9.1	13.7

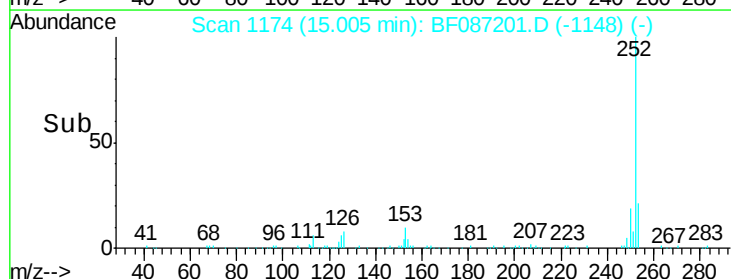
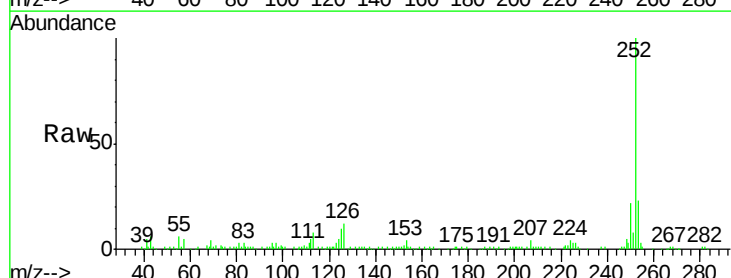
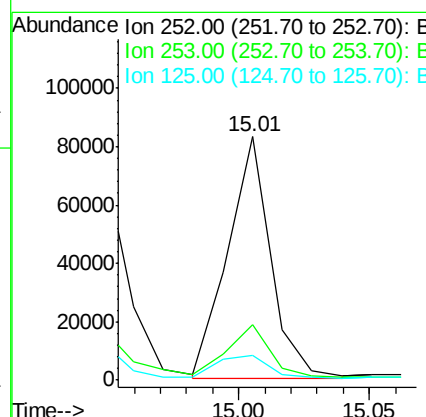
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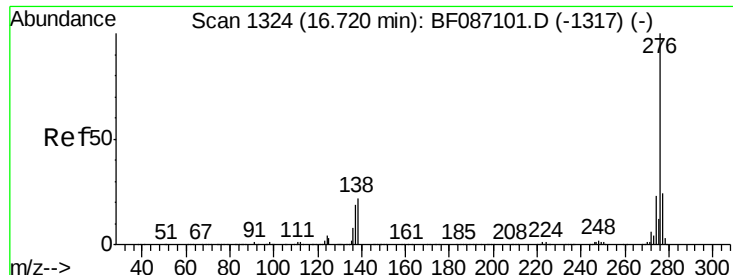
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#89
Benzo(a)pyrene
Concen: 6.02 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BF087201.D
Acq: 19 May 2016 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	10.0	9.0	13.6





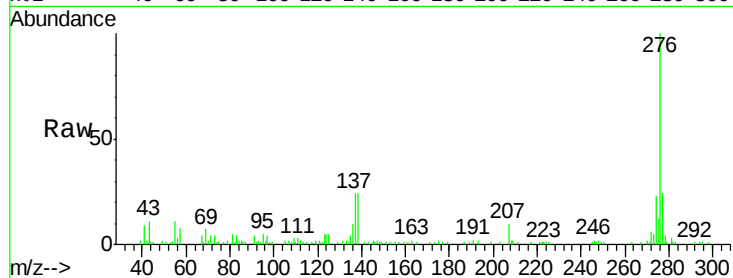
#91
 Benzo(g,h,i)perylene
 Concen: 5.45 ng
 RT: 16.64 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF087201.D
 Acq: 19 May 2016 22:04

Instrument :
 BNA_F
 ClientSampleId :
 SP-001-160517

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.9	19.6	29.4
138	24.2	23.6	35.4

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

