

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063016\
 Data File : BF088562.D
 Acq On : 1 Jul 2016 7:07
 Operator : UM/SJ
 Sample : H3701-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B2A

Manual Integrations

APPROVED
 SOHIL
 7/1/2016 8:06:43 AM

Quant Time: Jul 01 07:33:25 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	155714	20.00	ng	0.01
21) Naphthalene-d8	8.10	136	604822	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	245028	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	391403	20.00	ng	0.01
75) Chrysene-d12	13.95	240	288999	20.00	ng	0.00
86) Perylene-d12	15.36	264	282092	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	887425	85.41	ng	0.01
7) Phenol-d6	6.46	99	1315160	97.96	ng	0.01
23) Nitrobenzene-d5	7.38	82	763443	66.15	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	200287	88.02	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1239279	79.89	ng	0.01
78) Terphenyl-d14	12.91	244	703717	54.24	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.58	163	357564	20.48	ng	98
70) Phenanthrene	11.35	178	46580	2.18	ng	99
74) Fluoranthene	12.54	202	88352	4.07	ng	98
77) Pyrene	12.77	202	78087	3.19	ng	98
80) Benzo(a)anthracene	13.94	228	45950	2.47	ng	95
87) Benzo(b)fluoranthene	14.96	252	55296m	3.12	ng	
89) Benzo(a)pyrene	15.30	252	31551	2.11	ng	# 93

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

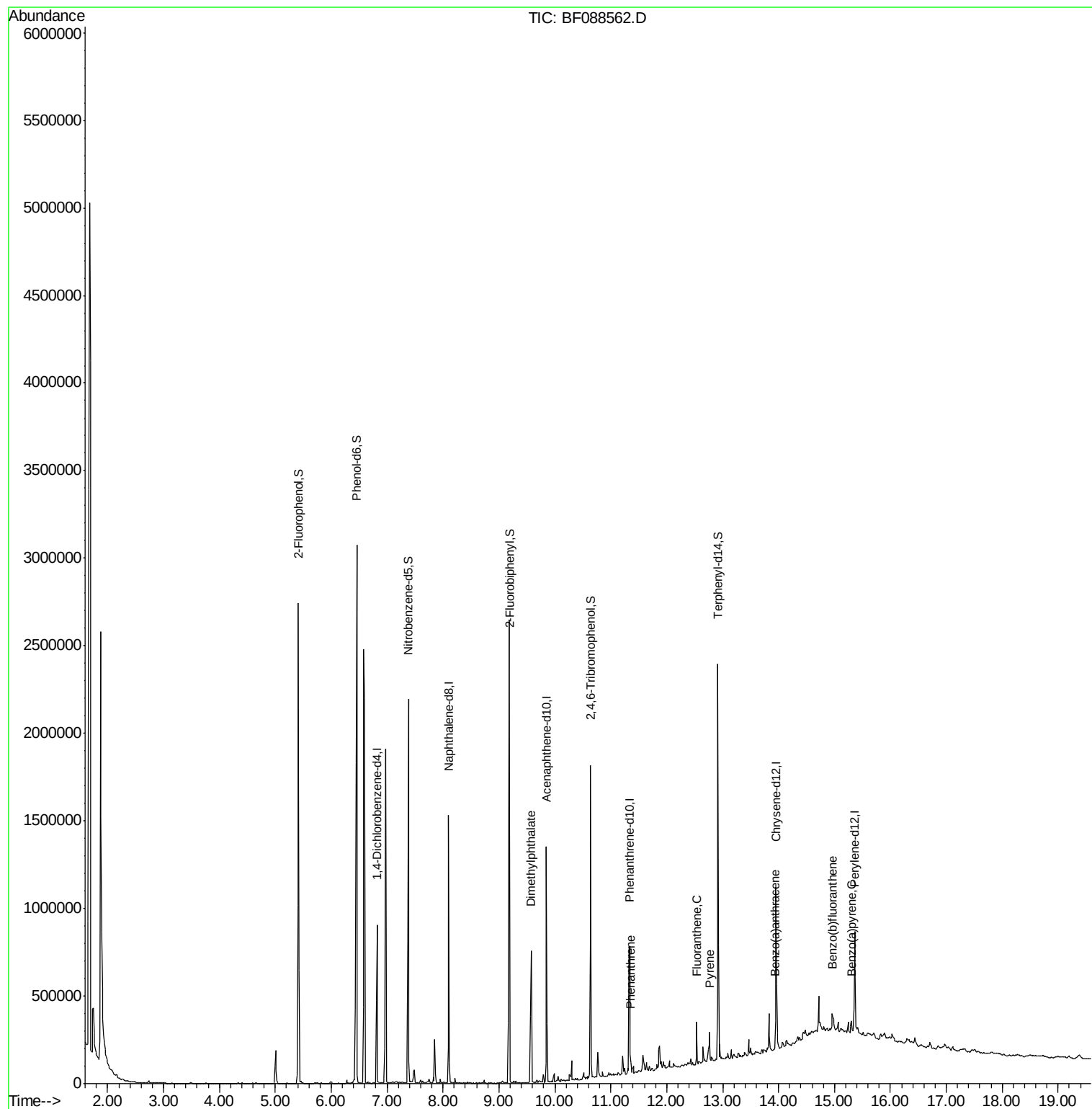
Data Path : Z:\HPCHEM1\BNA F\DATA\BF063016\
Data File : BF088562.D
Acq On : 1 Jul 2016 7:07
Operator : UM/SJ
Sample : H3701-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

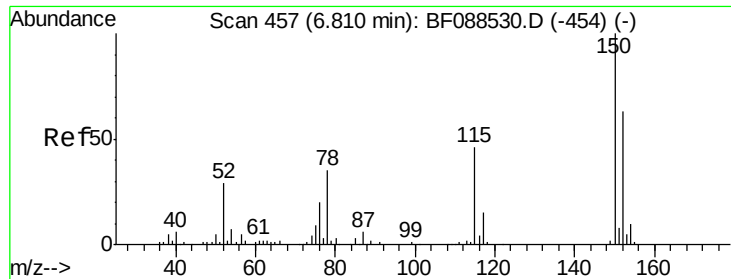
Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

Manual Integrations

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
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#1

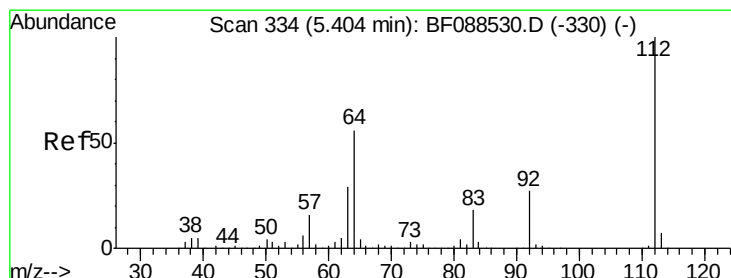
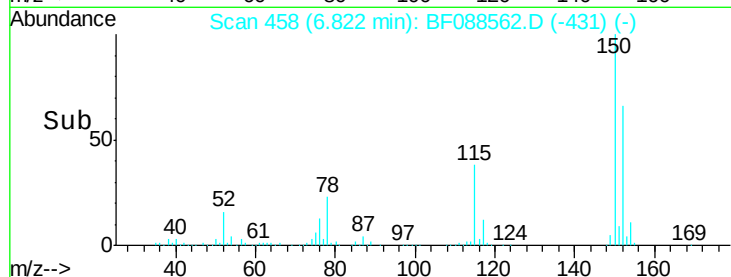
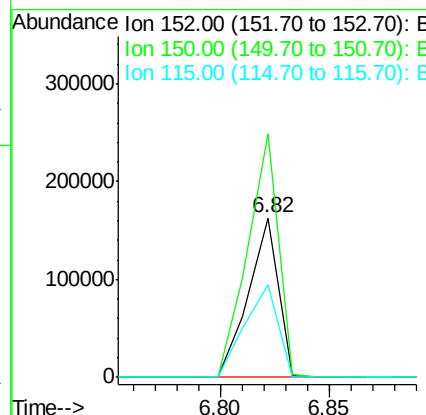
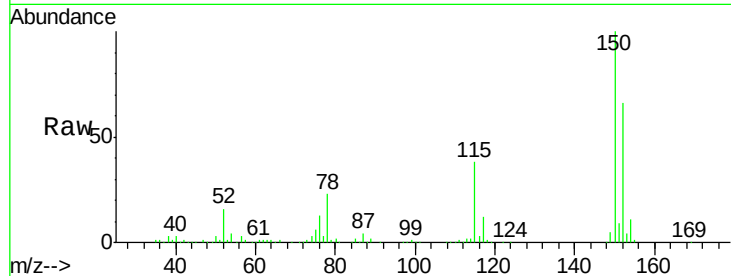
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. 0.01 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	123.8	185.6
115	58.0	39.6	59.4

Manual Integrations

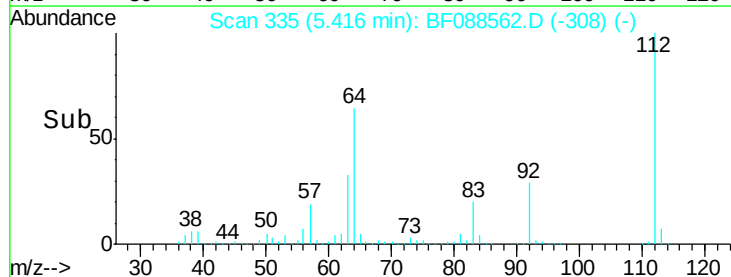
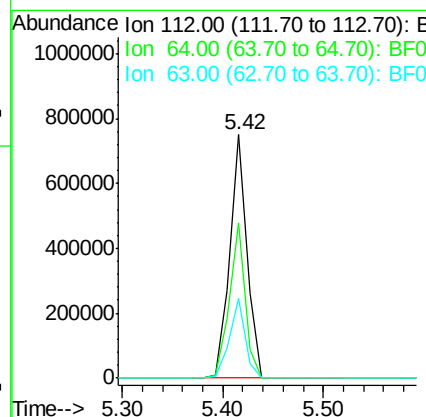
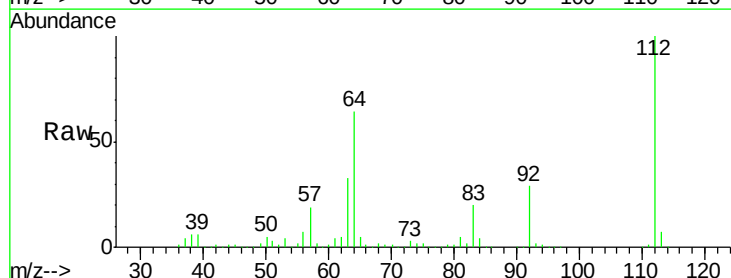
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7/1/2016 8:06:43 AM

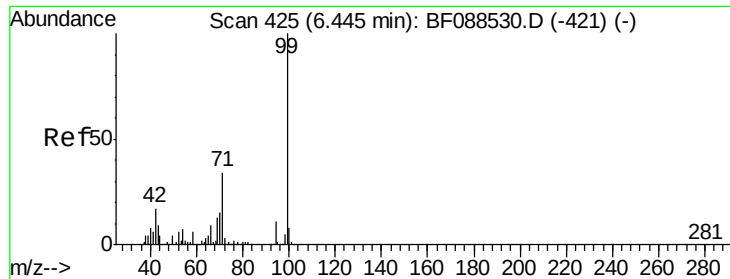


#5

2-Fluorophenol
Concen: 85.41 ng
RT: 5.42 min Scan# 335
Delta R.T. 0.01 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	42.2	63.2#
63	33.0	21.8	32.8#





#7

Phenol-d6

Concen: 97.96 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2A

Tot Ion: 99 Resp: 1315160

Ion Ratio Lower Upper

99 100

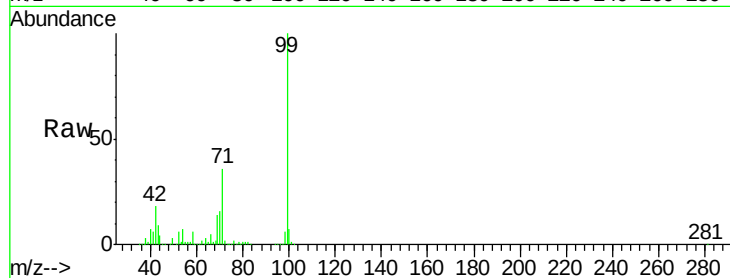
42 17.7 12.2 18.2

71 35.9 23.4 35.0#

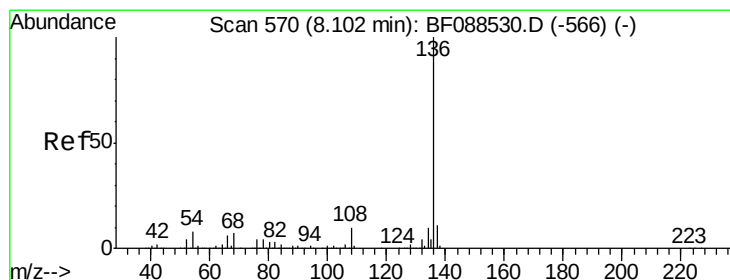
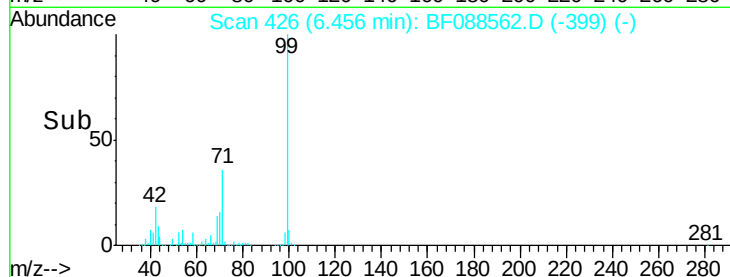
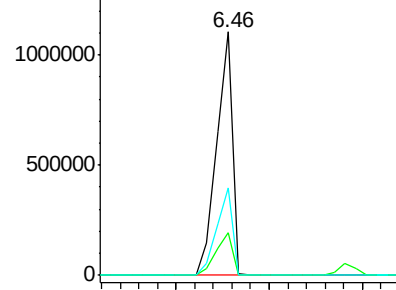
Manual Integrations

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

Tgt Ion: 136 Resp: 604822

Ion Ratio Lower Upper

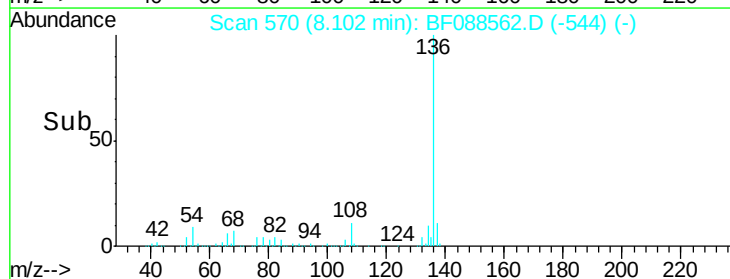
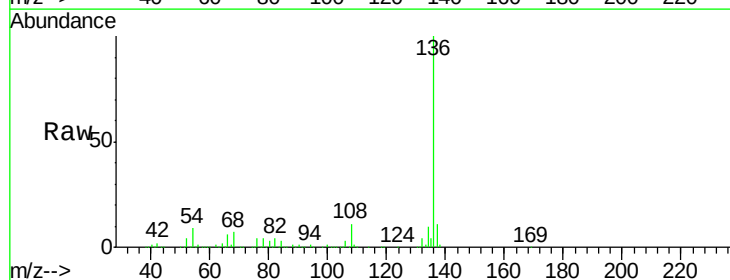
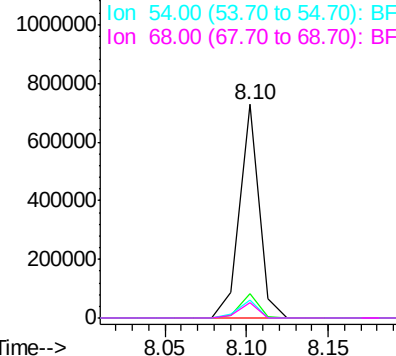
136 100

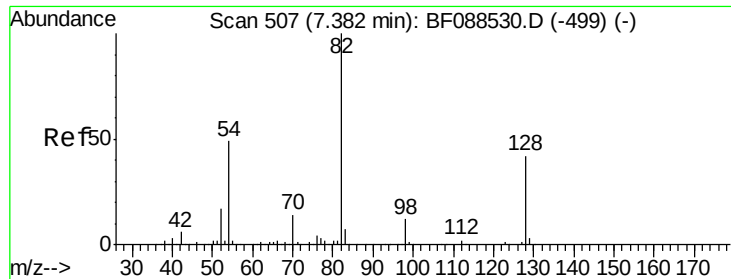
137 11.5 9.1 13.7

54 8.7 6.6 10.0

68 7.3 5.1 7.7

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





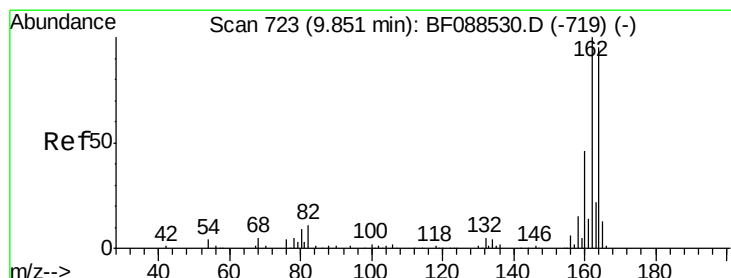
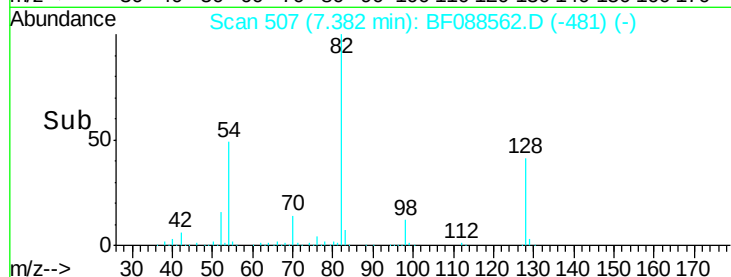
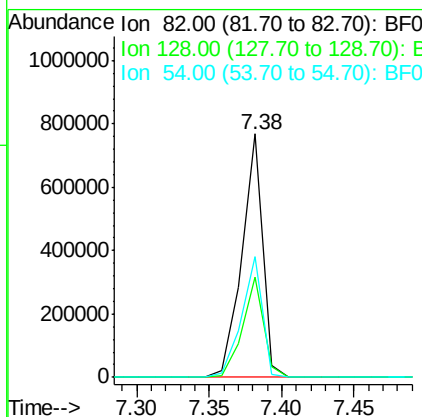
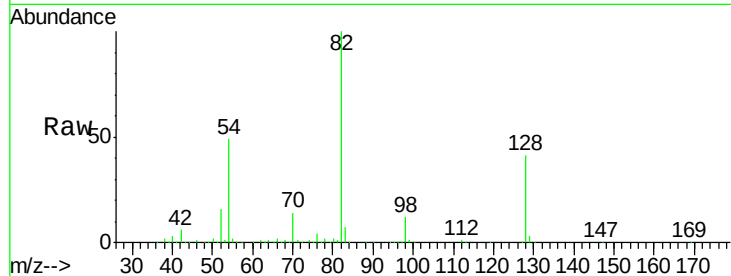
#23
Nitrobenzene-d5
Concen: 66.15 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.00 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

Tot Ion	82	Resp	763443
Ion Ratio	100	Lower	Upper
82	100		
128	41.1	35.9	53.9
54	49.4	40.9	61.3

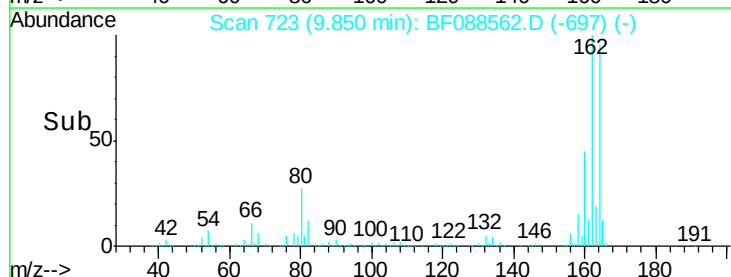
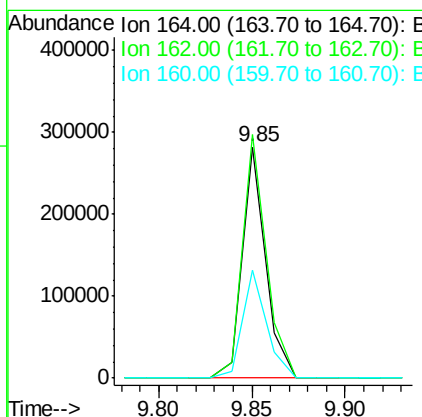
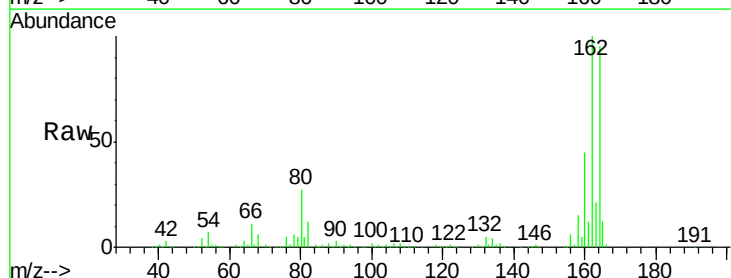
Manual Integrations

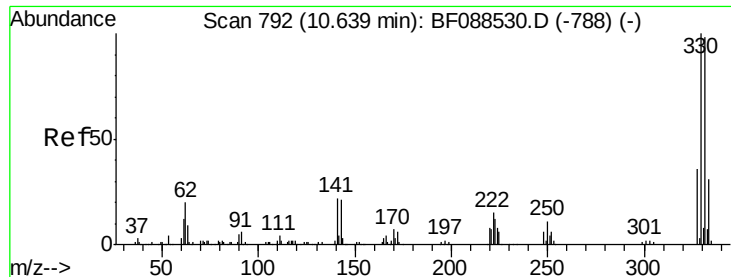
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.00 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Tgt Ion	164	Resp	245028
Ion Ratio	100	Lower	Upper
164	100		
162	105.4	85.4	128.2
160	46.9	39.5	59.3





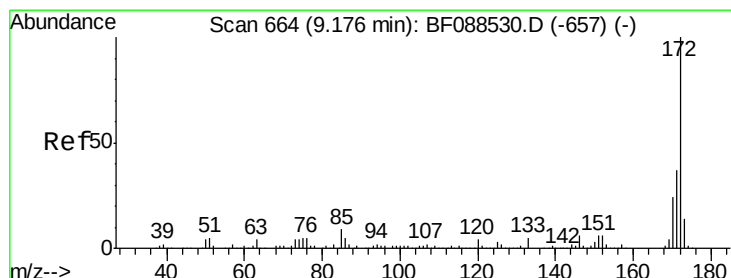
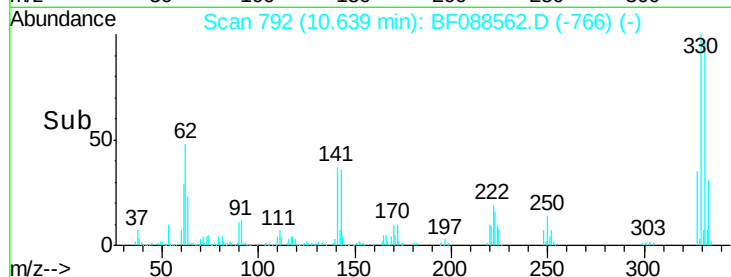
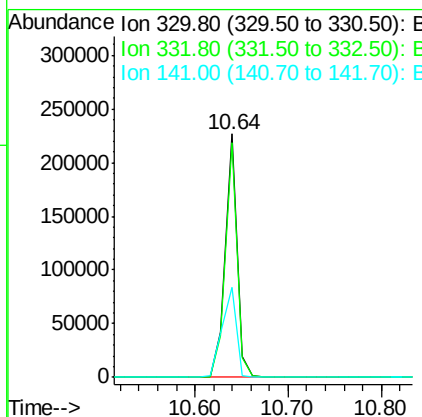
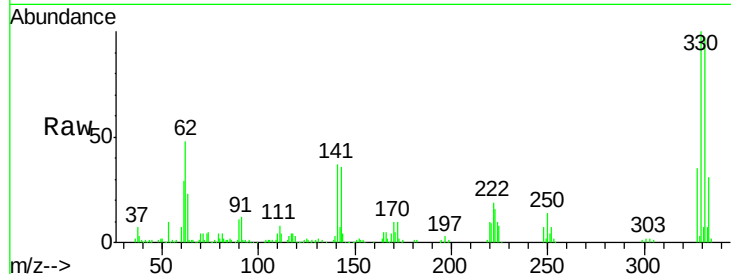
#41
 2,4,6-Tribromophenol
 Concen: 88.02 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF088562.D
 Acq: 1 Jul 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B2A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	200287		
332	96.2	0.0	0.0	0.0
141	44.6	0.0	0.0	0.0

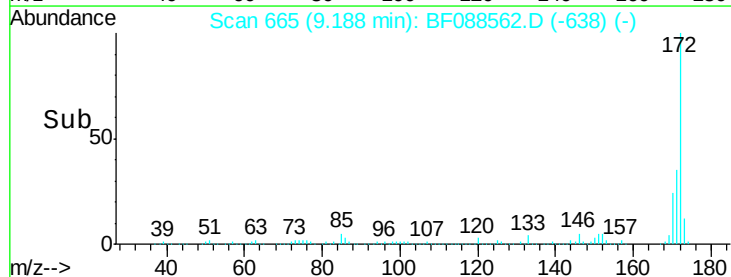
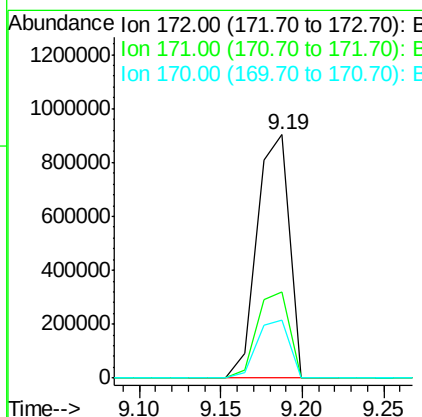
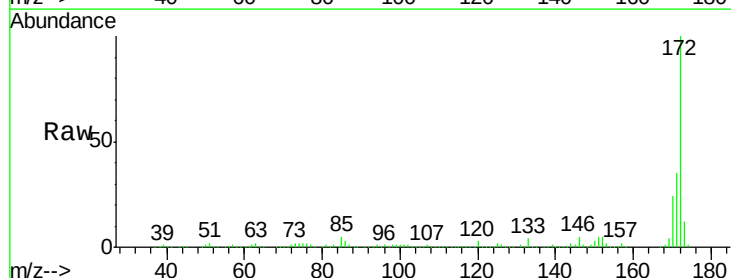
Manual Integrations

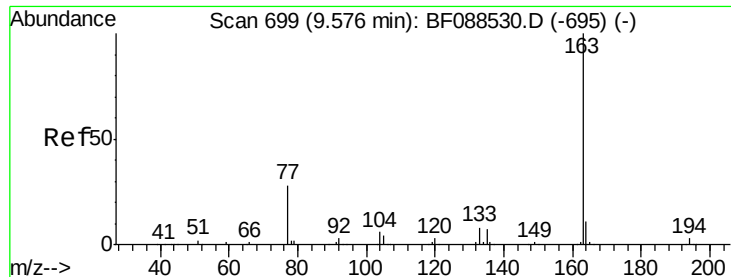
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#44
 2-Fluorobiphenyl
 Concen: 79.89 ng
 RT: 9.19 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: BF088562.D
 Acq: 1 Jul 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1239279		
171	35.5	28.6	43.0	
170	23.8	19.2	28.8	





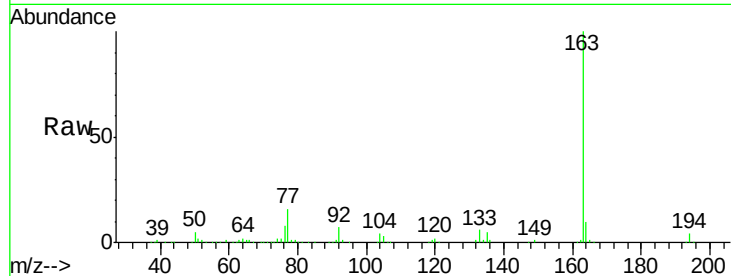
#49
Dimethylphthalate
Concen: 20.48 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.00 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	357564		
194	3.7		2.8	4.2
164	9.5		8.3	12.5

Manual Integrations

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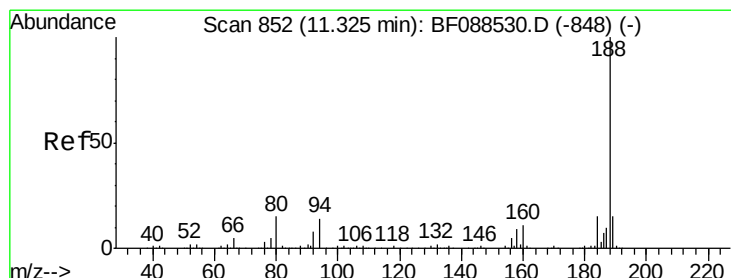
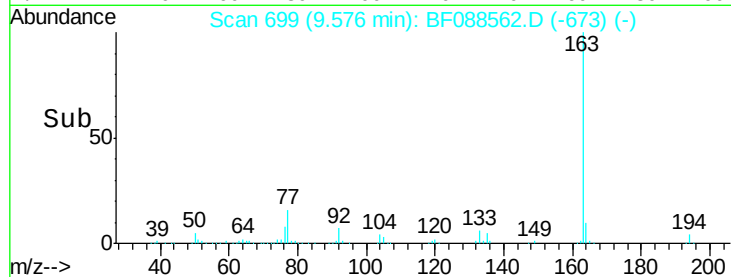
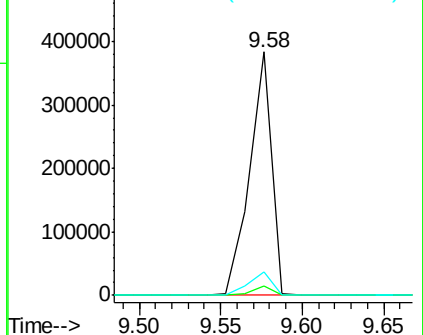


Abundance

Ion 163.00 (162.70 to 163.70): E

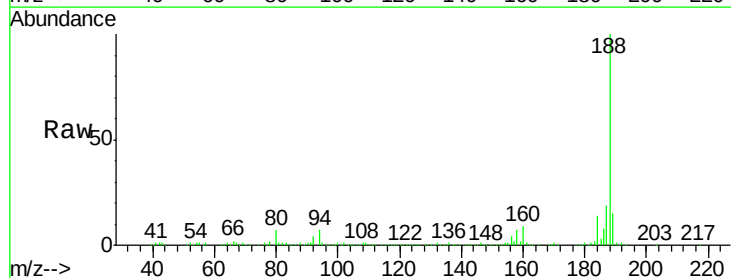
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 853
Delta R.T. 0.01 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	391403		
94	7.0		9.0	13.6#
80	7.1		10.0	15.0#

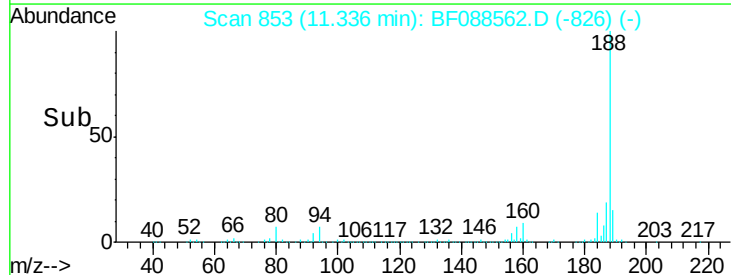
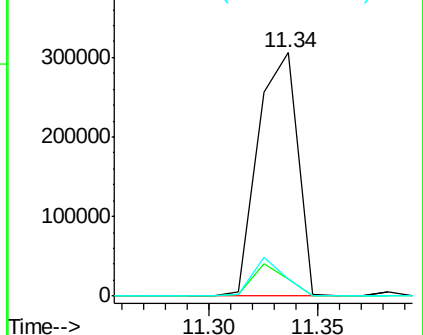


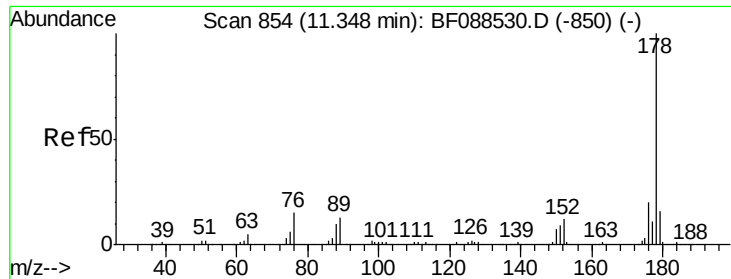
Abundance

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: 2.18 ng

RT: 11.35 min Scan# 854

Delta R.T. -0.00 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2A

Tot Ion:178 Resp: 46580

Ion Ratio Lower Upper

178 100

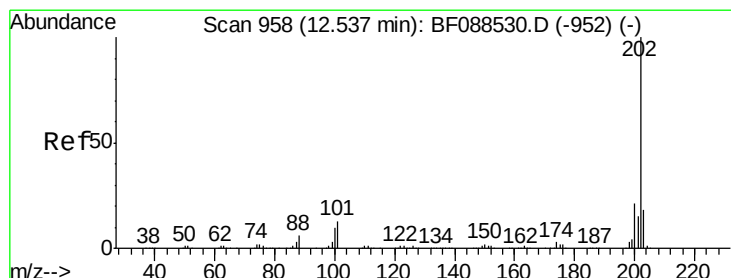
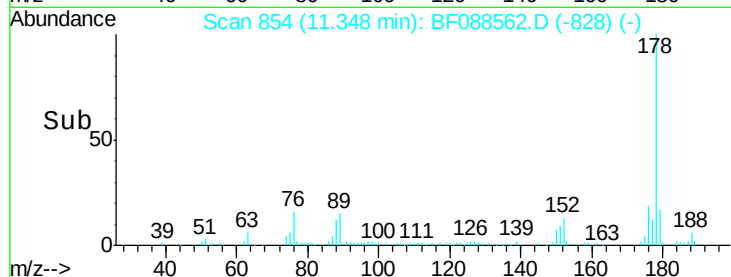
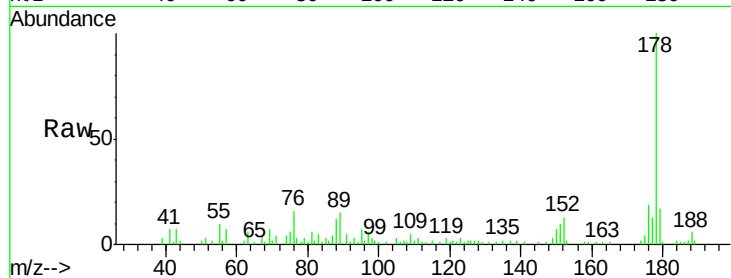
176 19.2 15.8 23.6

179 16.7 13.0 19.4

Manual Integrations

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7/1/2016 8:06:43 AM



#74

Fluoranthene

Concen: 4.07 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.00 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

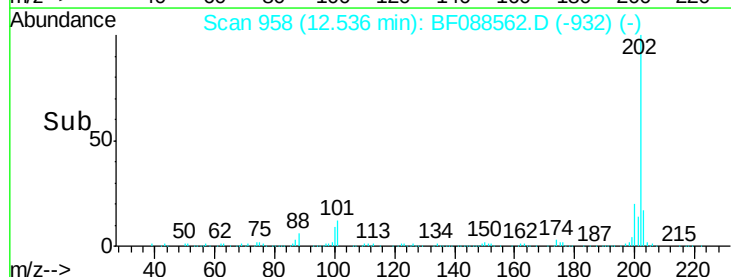
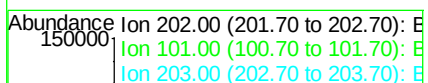
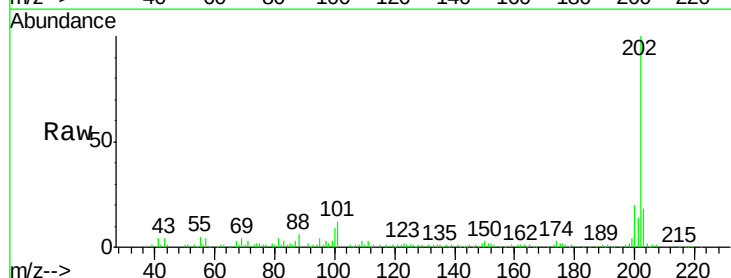
Tgt Ion:202 Resp: 88352

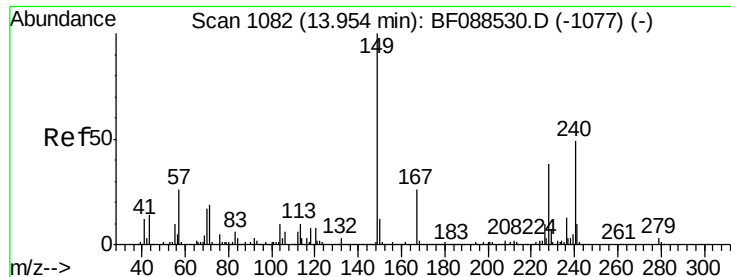
Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.1

203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2A

Tot Ion:240 Resp: 288999

Ion Ratio Lower Upper

240 100

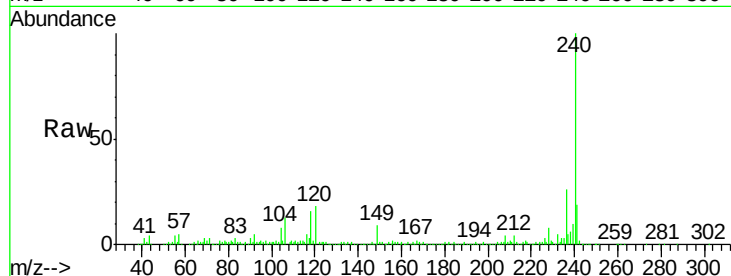
120 17.5 6.8 10.2#

236 25.9 20.2 30.2

Manual Integrations

SOHIL

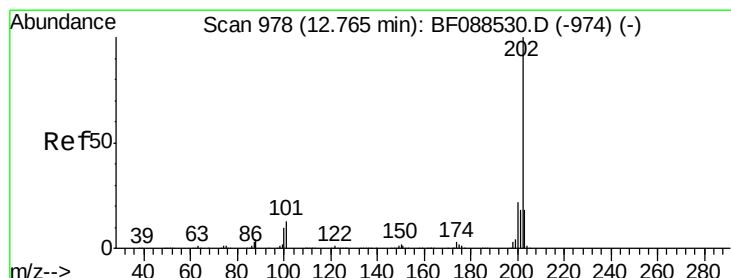
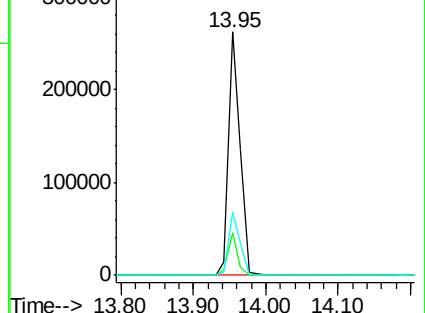
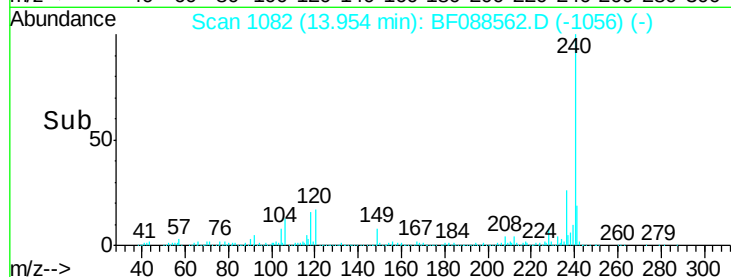
7/1/2016 8:06:43 AM



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: 3.19 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.00 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

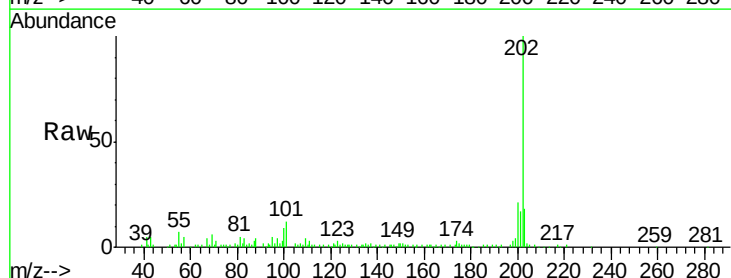
Tgt Ion:202 Resp: 78087

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

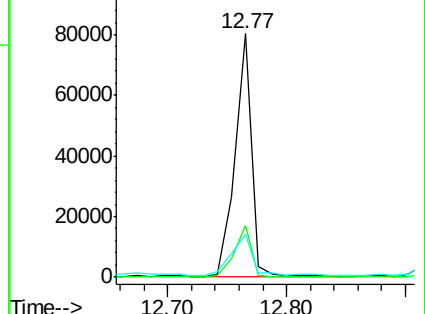
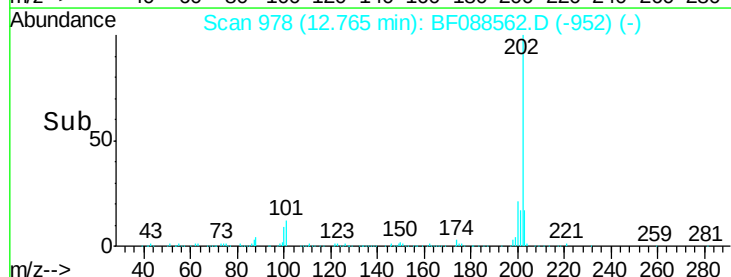
203 17.6 14.5 21.7

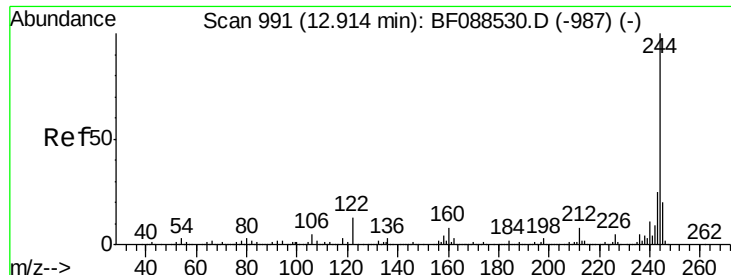


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.24 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.00 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

Instrument :

BNA_F

ClientSampleId :

TEC-COMP-B2A

Tot Ion:244 Resp: 703717

Ion Ratio Lower Upper

244 100

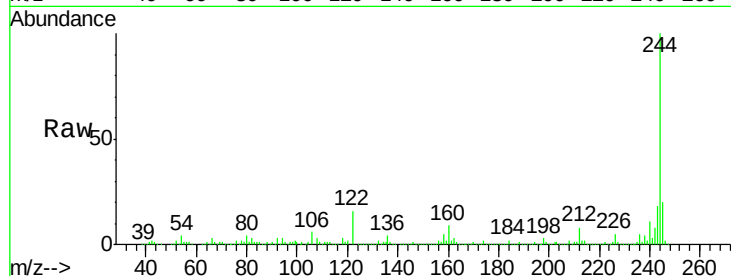
212 8.0 6.0 9.0

122 16.1 11.2 16.8

Manual Integrations

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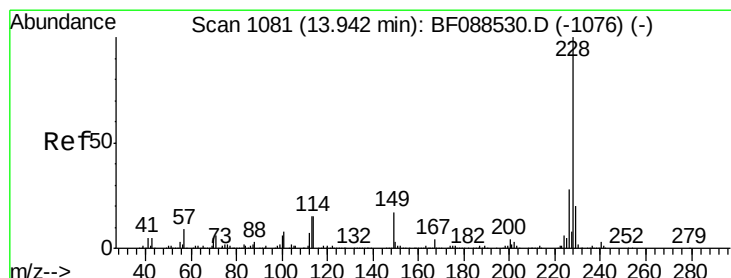
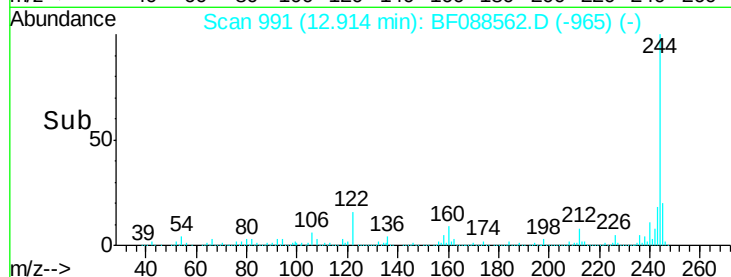
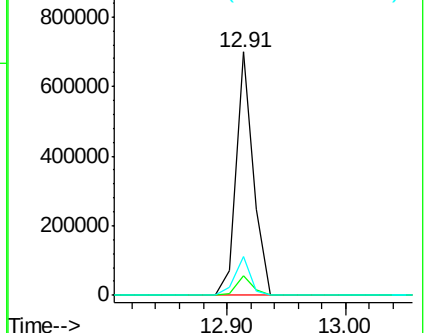
7/1/2016 8:06:43 AM



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: 2.47 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BF088562.D

Acq: 1 Jul 2016 7:07

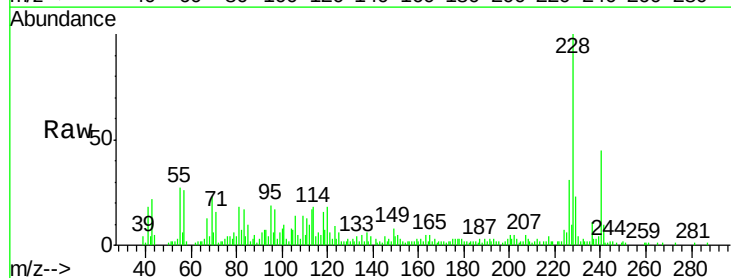
Tgt Ion:228 Resp: 45950

Ion Ratio Lower Upper

228 100

226 30.7 22.3 33.5

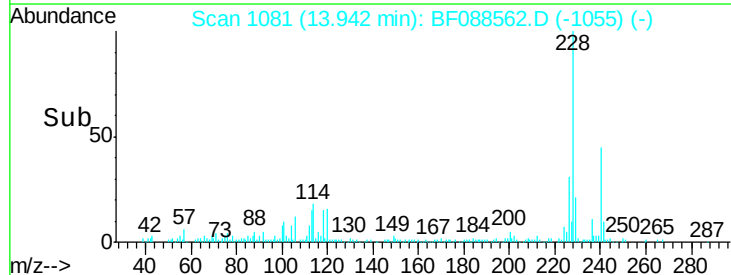
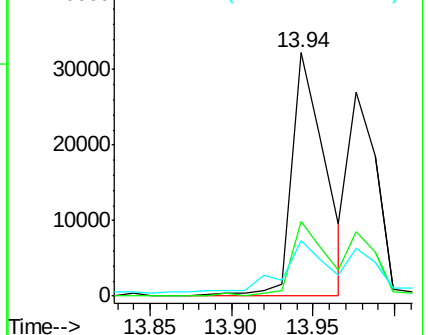
229 22.6 16.0 24.0

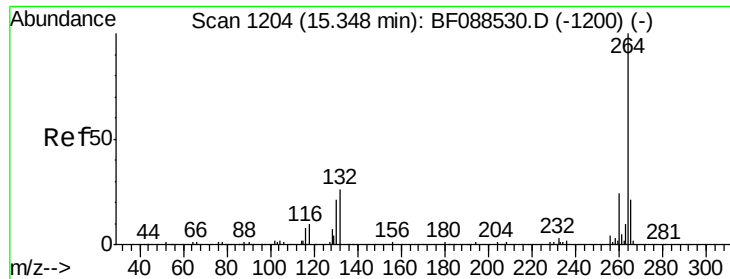


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





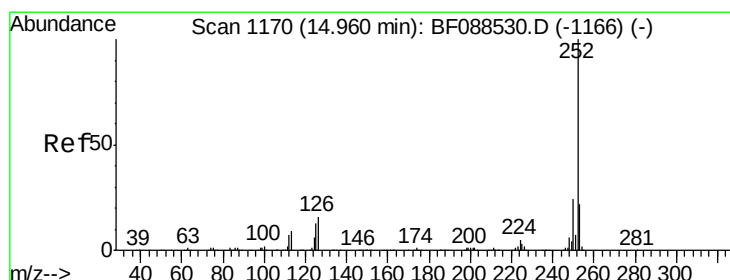
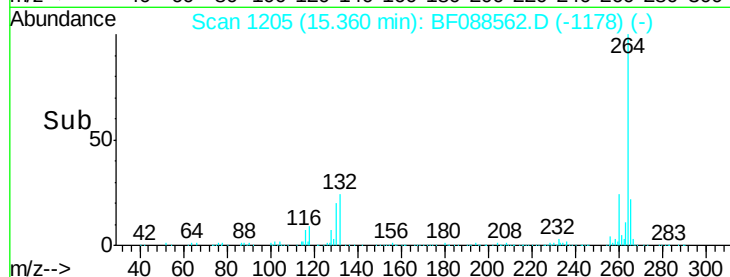
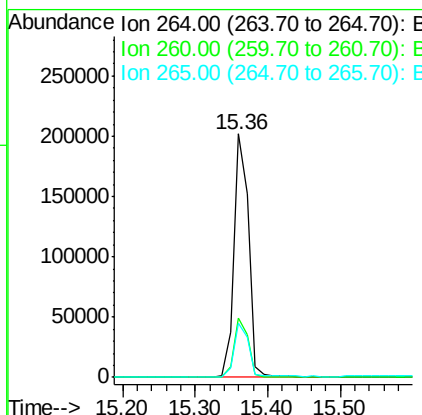
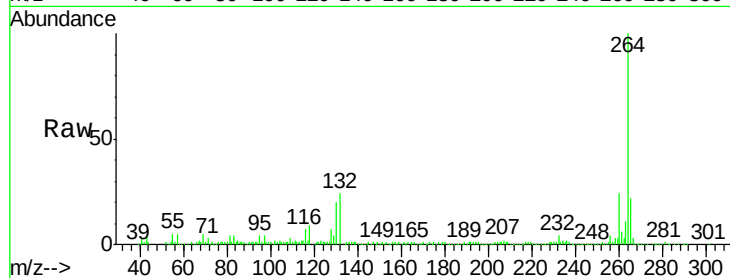
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.4	16.9	25.3

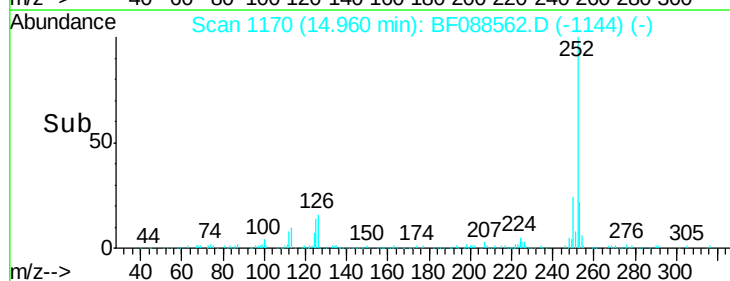
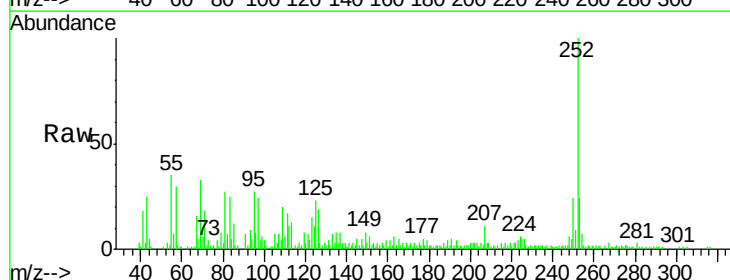
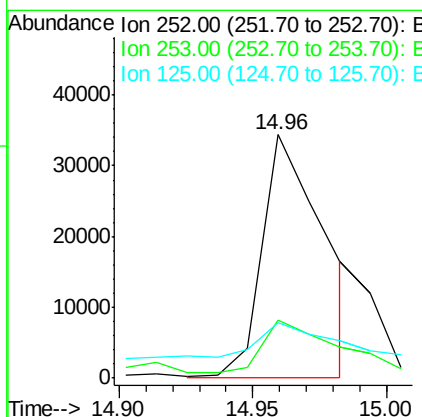
Manual Integrations

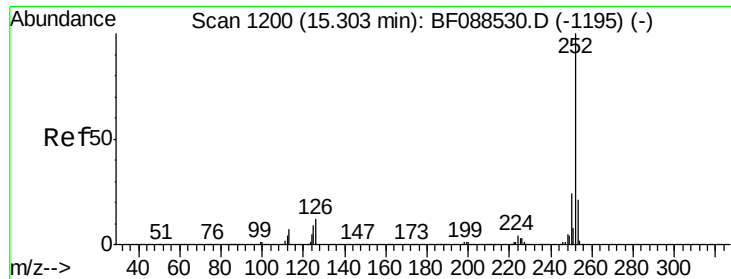
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7/1/2016 8:06:43 AM



#87
Benzo(b)fluoranthene
Concen: 3.12 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.2
125	22.6	7.1	10.7#





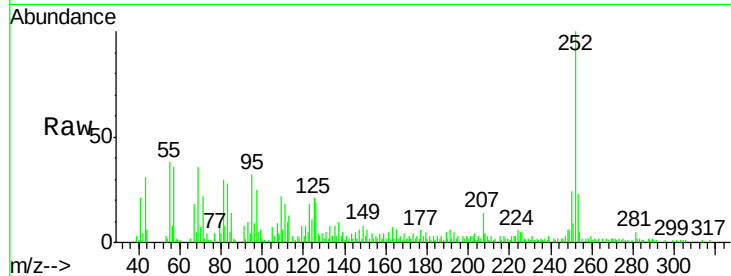
#89
Benzo(a)pyrene
Concen: 2.11 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	21.3	12.5	18.7

Manual Integrations

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Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

