

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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 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

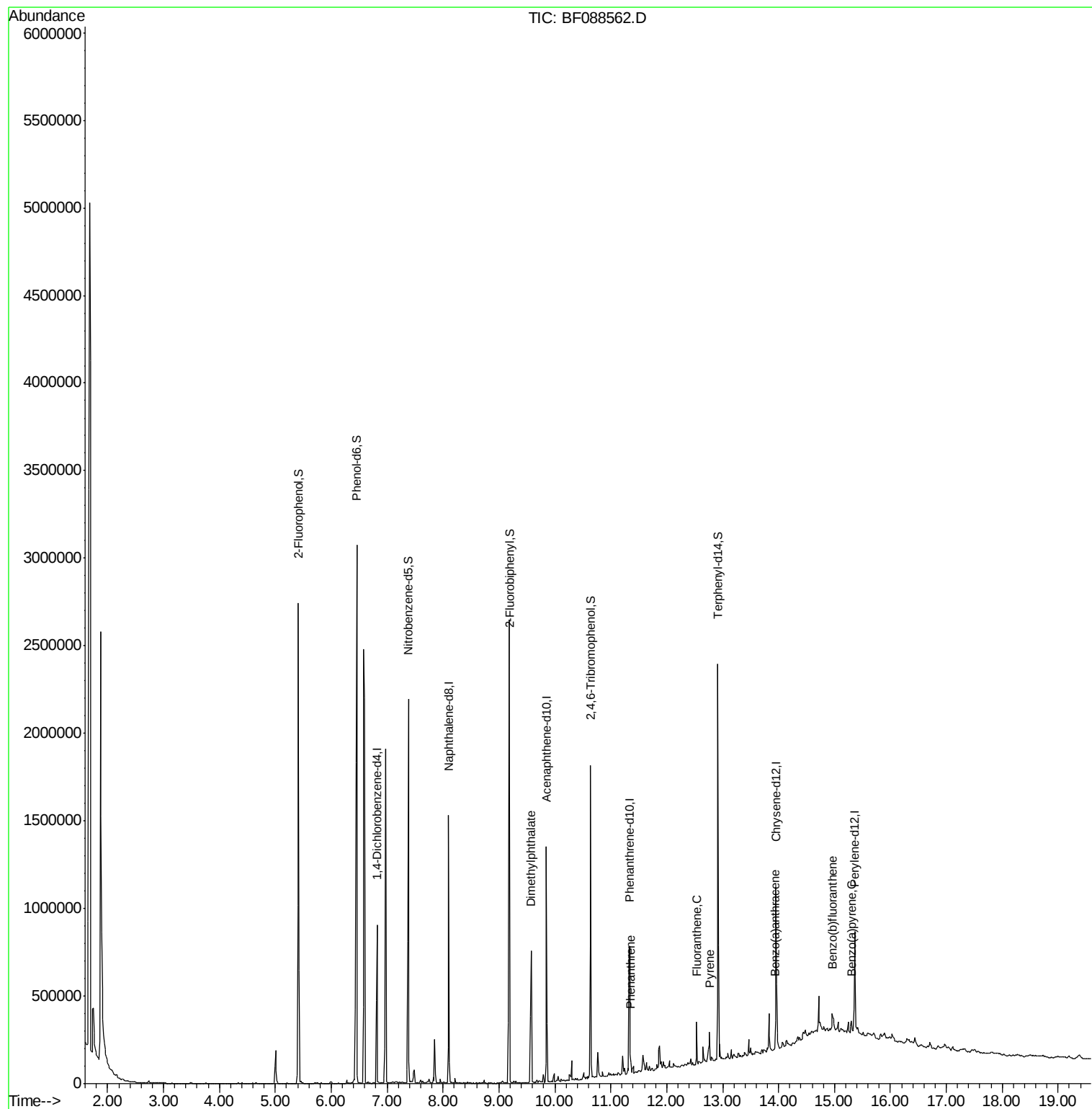
Data Path : Z:\HPCHEM1\BNA F\DATA\BF063016\
Data File : BF088562.D
Acq On : 1 Jul 2016 7:07
Operator : UM/SJ
Sample : H3701-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

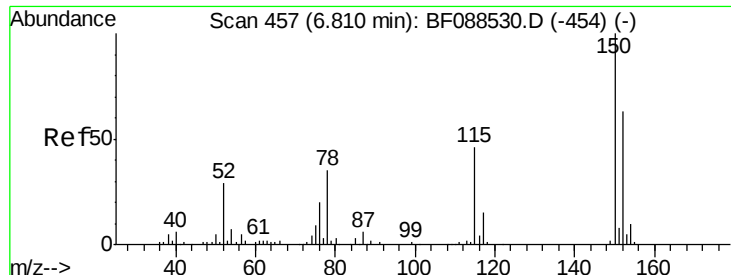
Instrument :
BNA_F
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TEC-COMP-B2A

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Response via : Initial Calibration





#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:152 Resp: 155714

Ion Ratio Lower Upper

152 100

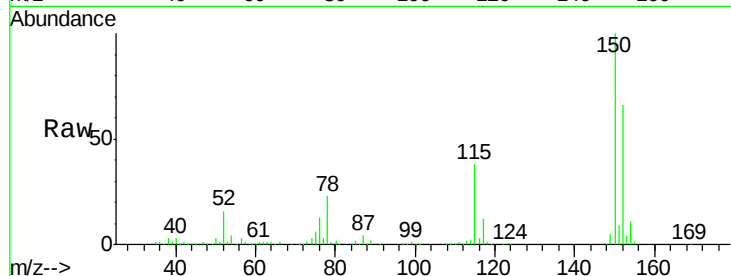
150 152.6 123.8 185.6

115 58.0 39.6 59.4

Manual Integrations

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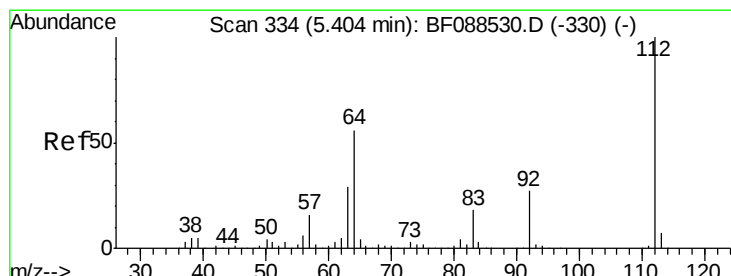
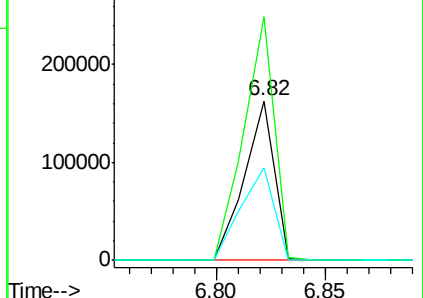
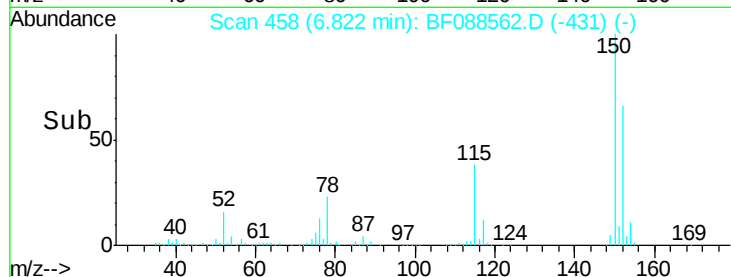
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 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

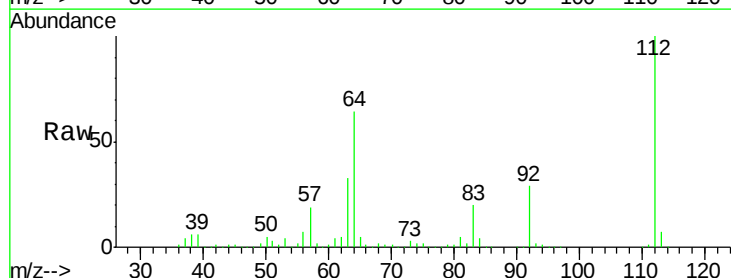
Tgt Ion:112 Resp: 887425

Ion Ratio Lower Upper

112 100

64 63.5 42.2 63.2#

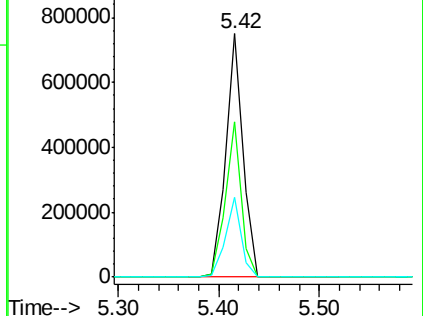
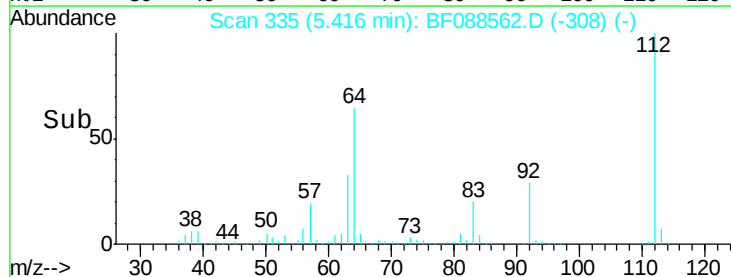
63 33.0 21.8 32.8#



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: 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

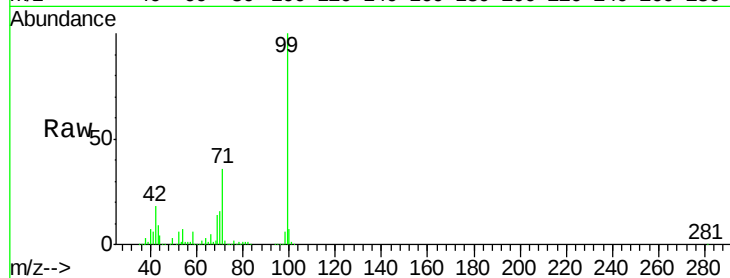
42 17.7 12.2 18.2

71 35.9 23.4 35.0#

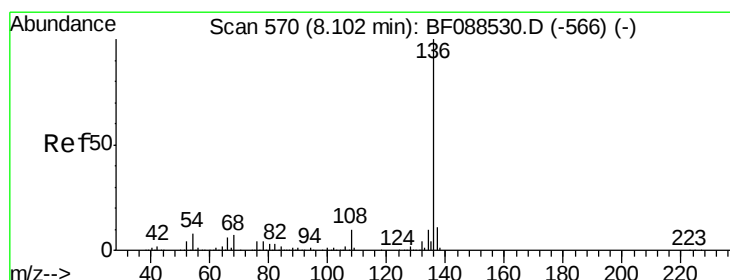
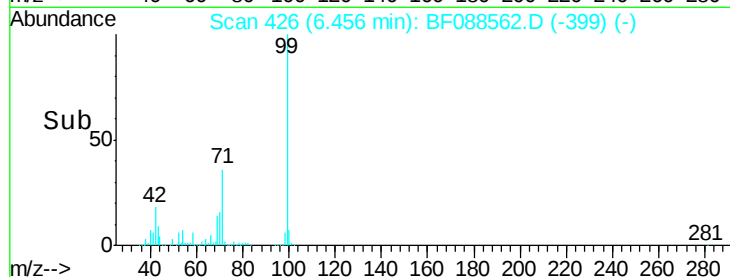
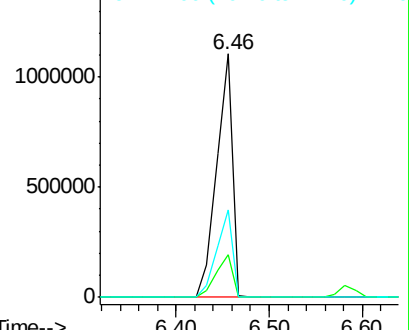
Manual Integrations

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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

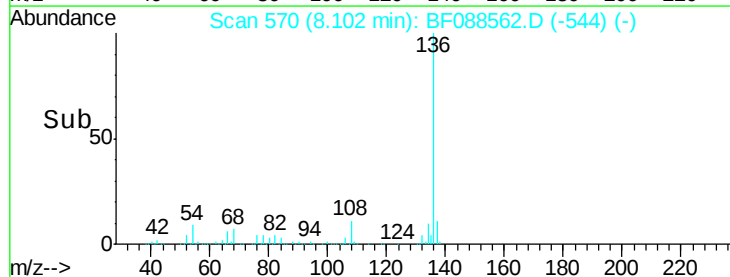
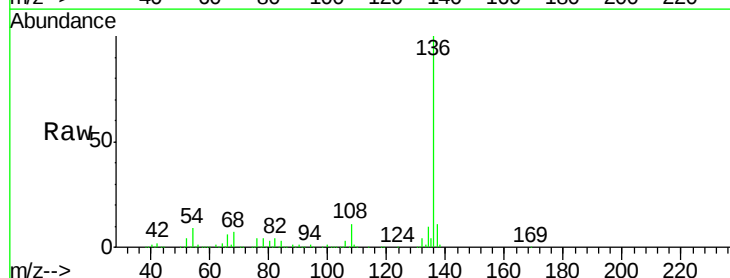
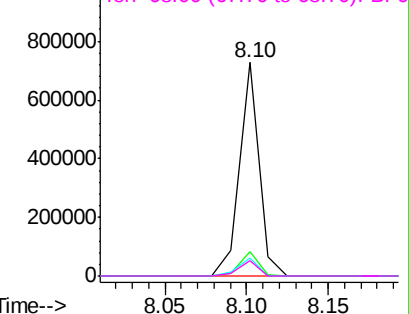
136 100

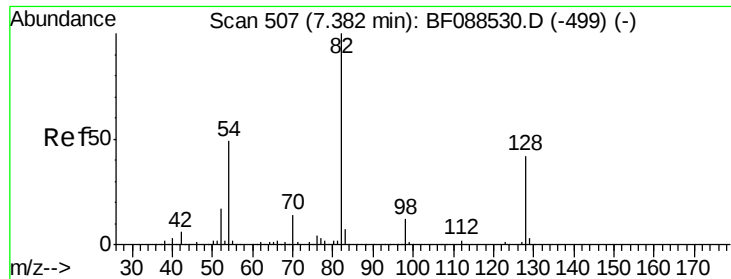
137 11.5 9.1 13.7

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





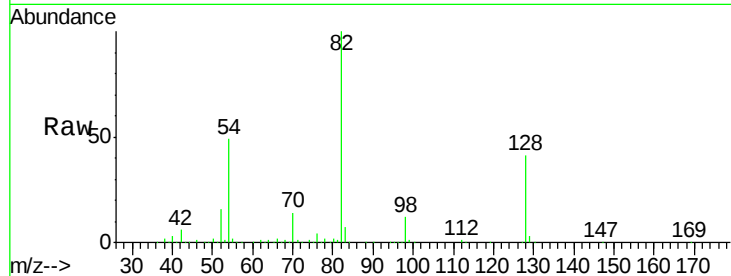
#23
Nitrobenzene-d5
Concen: 66.15 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.00 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

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

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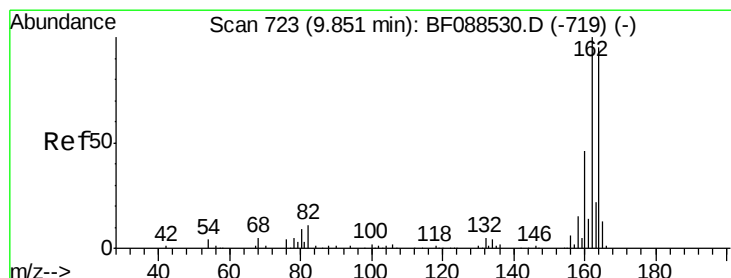
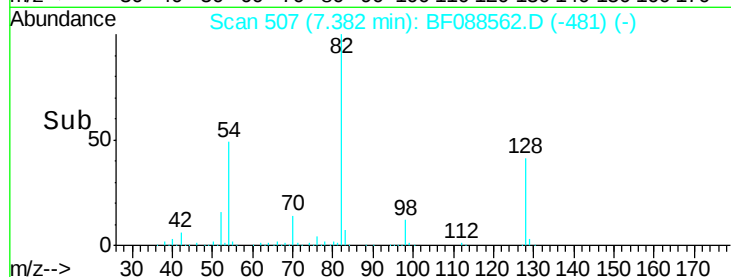
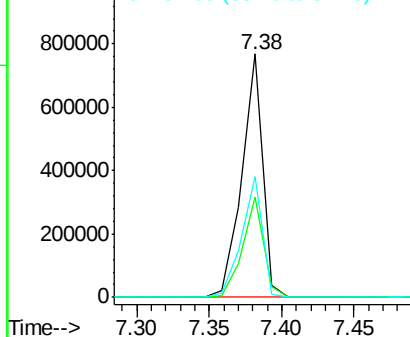


Abundance

Ion 82.00 (81.70 to 82.70): BF0

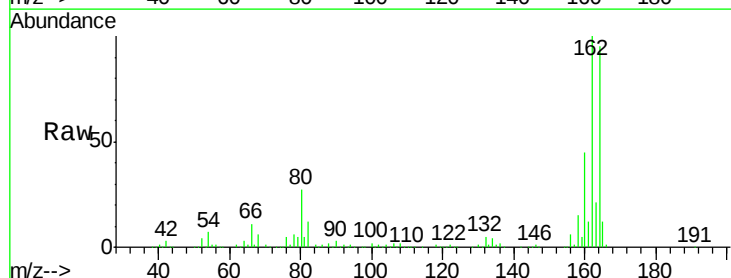
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#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

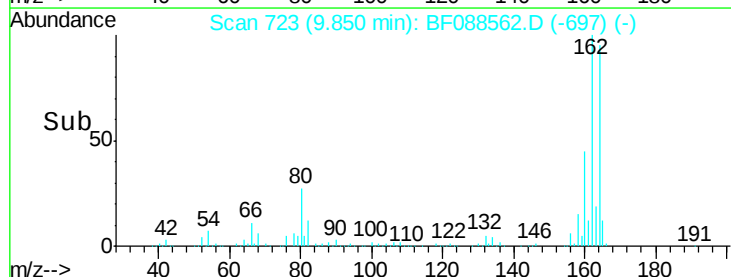
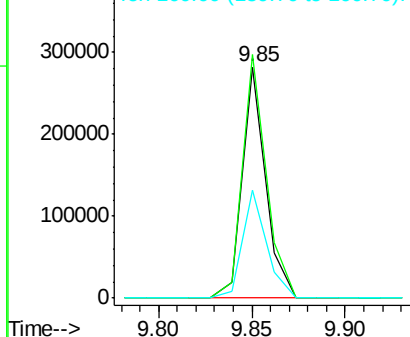


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





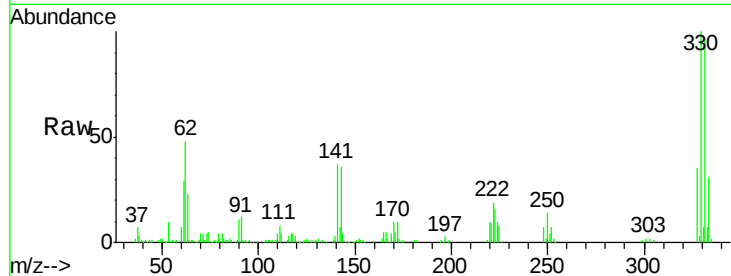
#41
 2,4,6-Tribromophenol
 Concen: 88.02 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF088562.D
 Acq: 1 Jul 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B2A

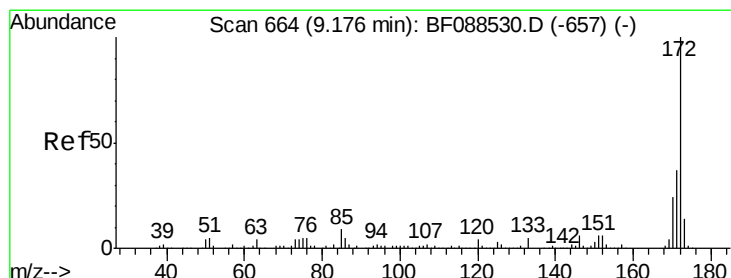
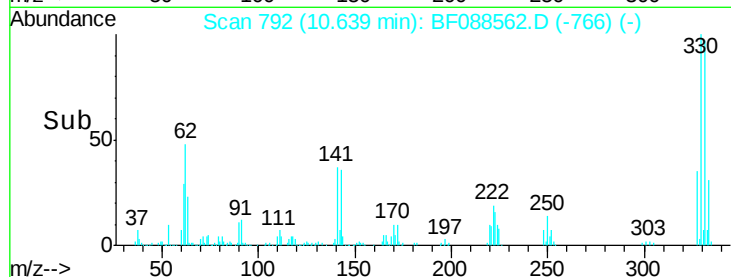
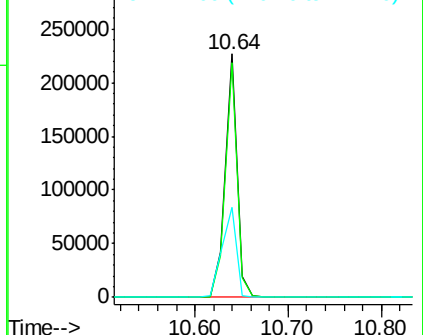
Tot Ion	Ratio	Resp	Lower	Upper
330	100	200287		
332	96.2	0.0	0.0	0.0
141	44.6	0.0	0.0	0.0

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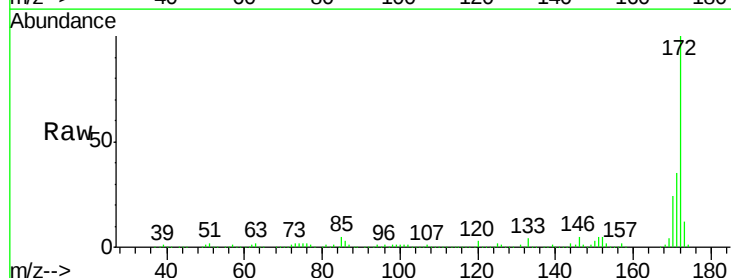


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

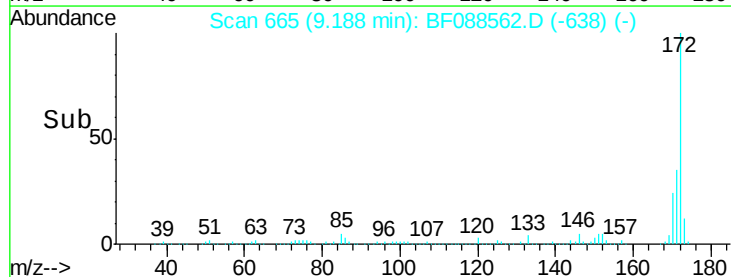
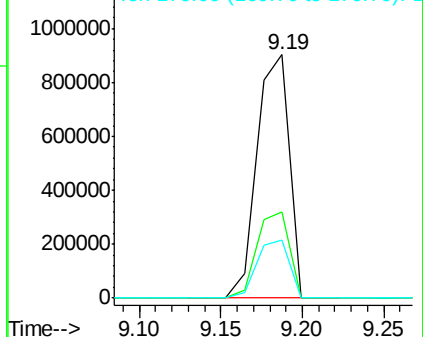


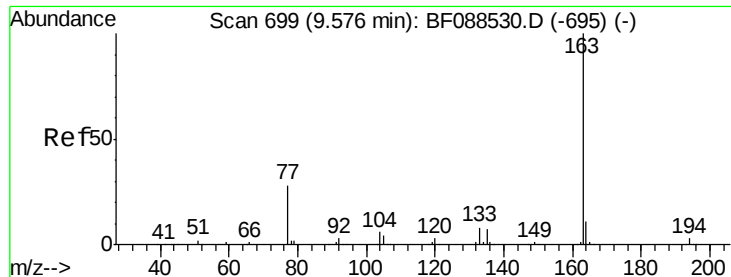
#44
 2-Fluorobiphenyl
 Concen: 79.89 ng
 RT: 9.19 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: BF088562.D
 Acq: 1 Jul 2016 7:07

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



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





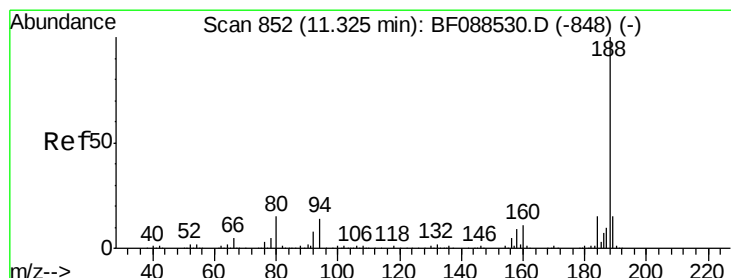
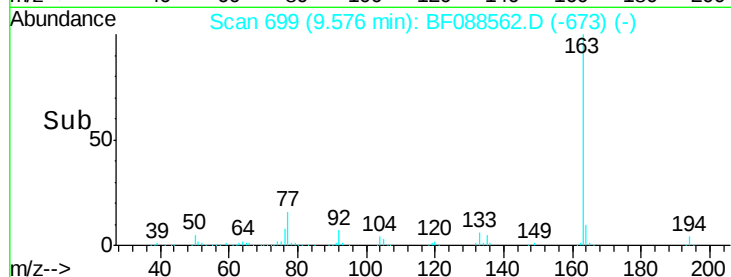
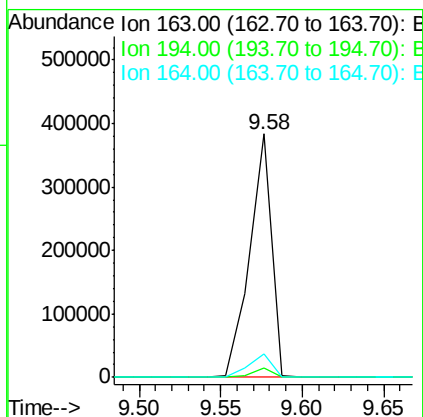
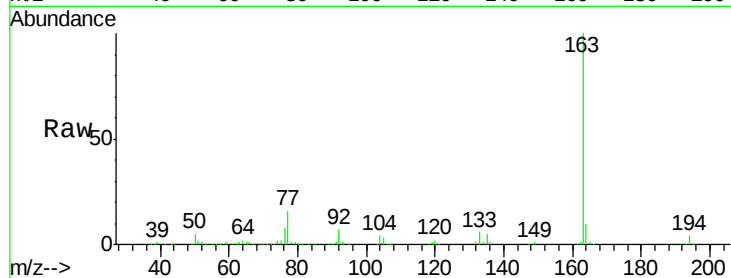
#49
Dimethylphthalate
Concen: 20.48 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.00 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

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

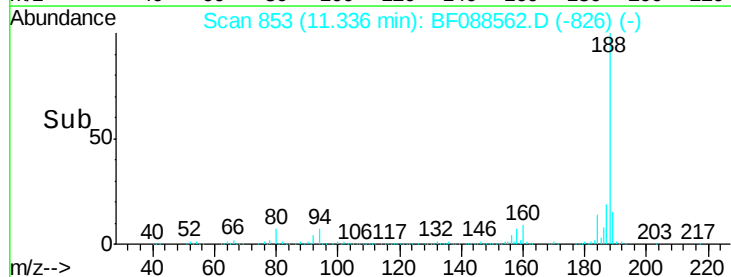
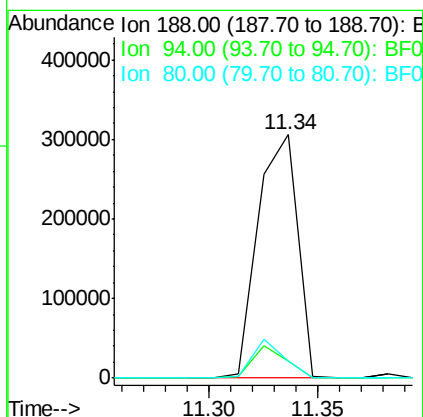
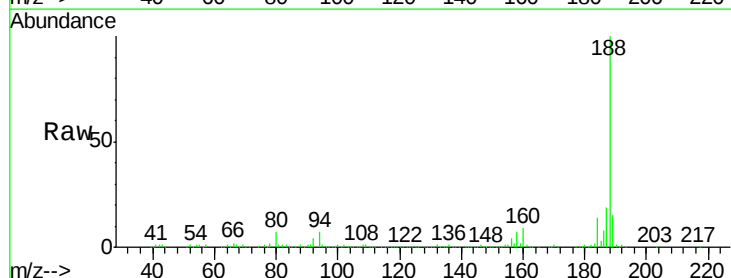
Manual Integrations

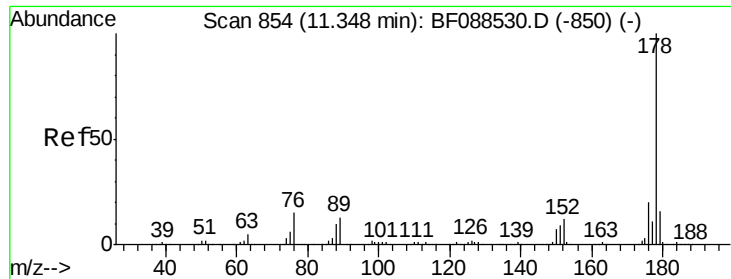
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 853
Delta R.T. 0.01 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

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





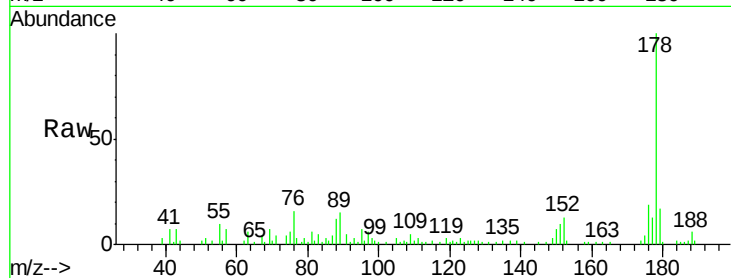
#70
Phenanthrene
Concen: 2.18 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

Instrument :
BNA_F
ClientSampleId :
TEC-COMP-B2A

Tot Ion	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

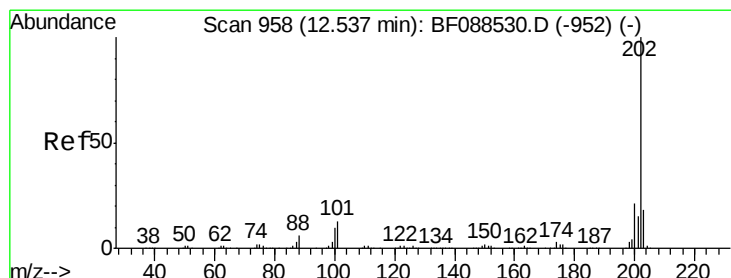
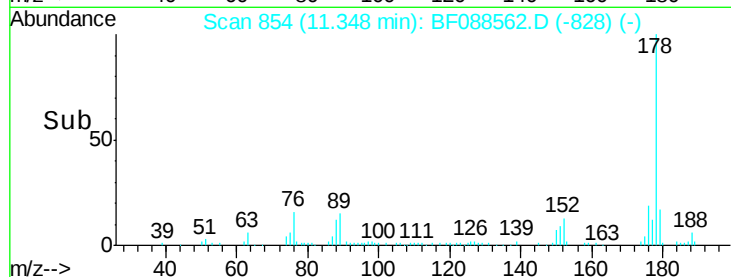
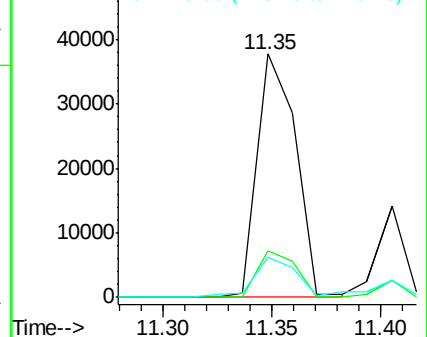


Abundance

Ion 178.00 (177.70 to 178.70): E

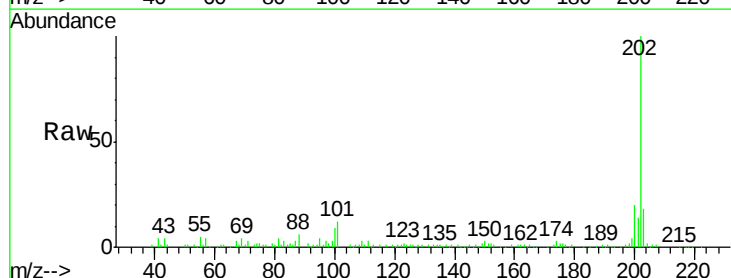
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
Fluoranthene
Concen: 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	Ion	Ratio	Lower	Upper
202	100			
101	12.1	0.0	33.1	
203	17.5	0.0	38.1	

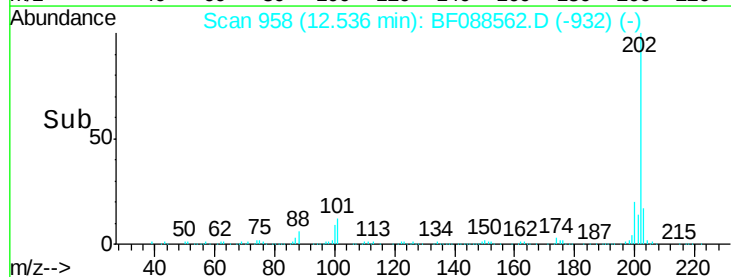
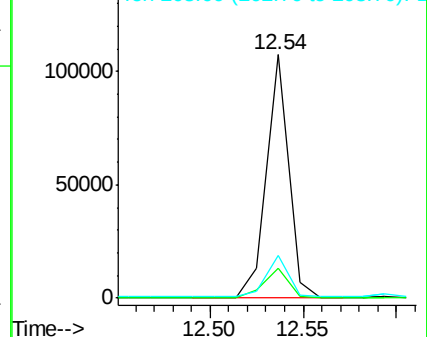


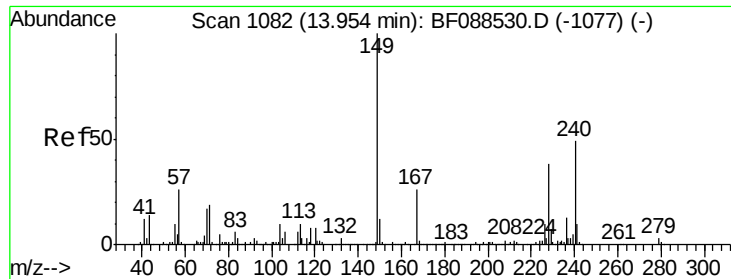
Abundance

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: 13.95 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

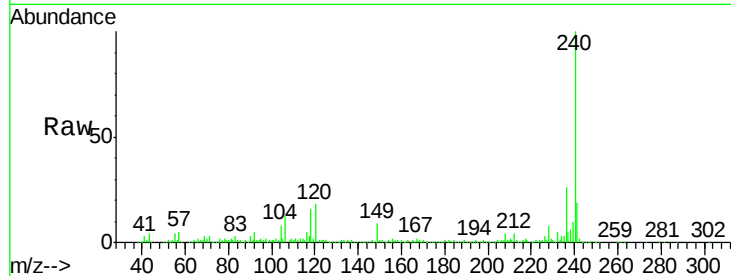
120 17.5 6.8 10.2#

236 25.9 20.2 30.2

Manual Integrations

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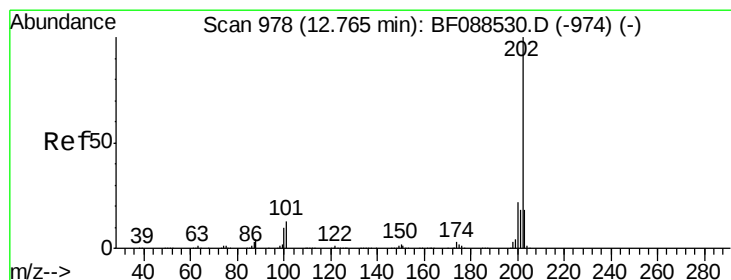
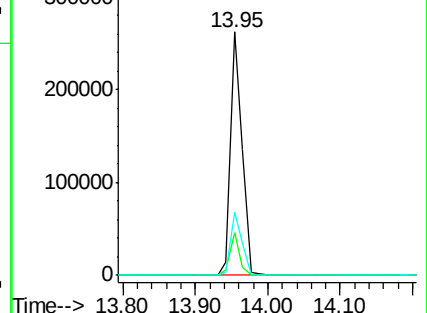
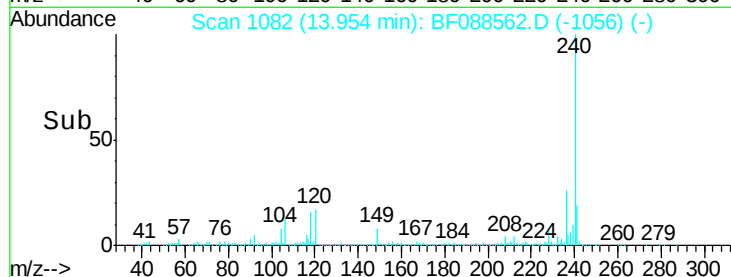
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 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

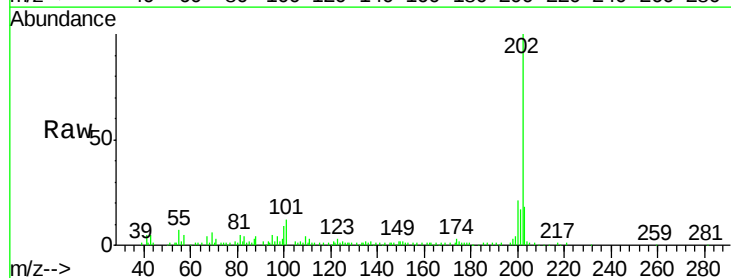
Tgt Ion:202 Resp: 78087

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

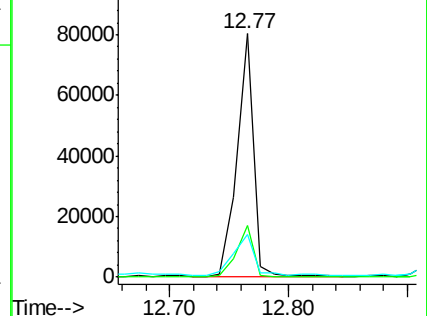
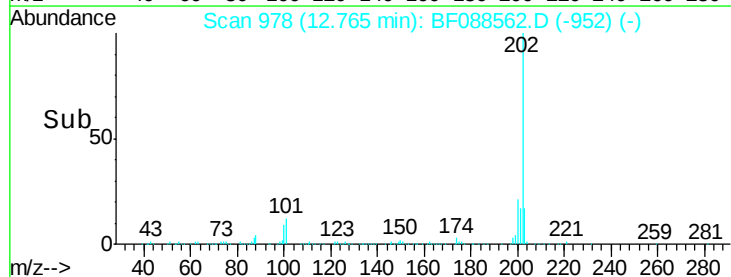
203 17.6 14.5 21.7

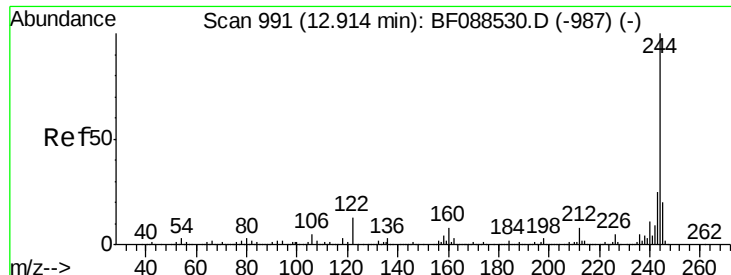


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





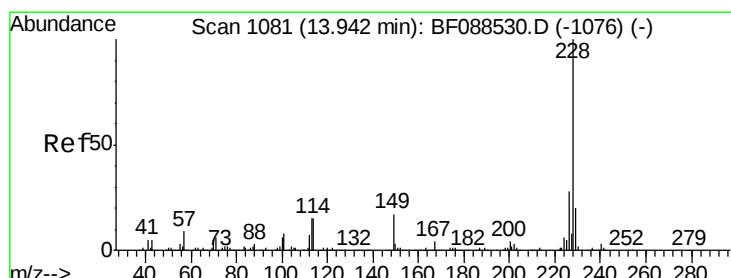
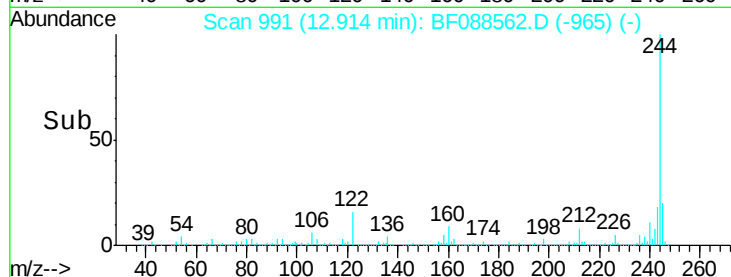
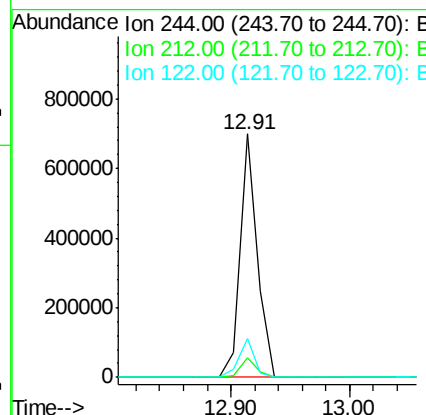
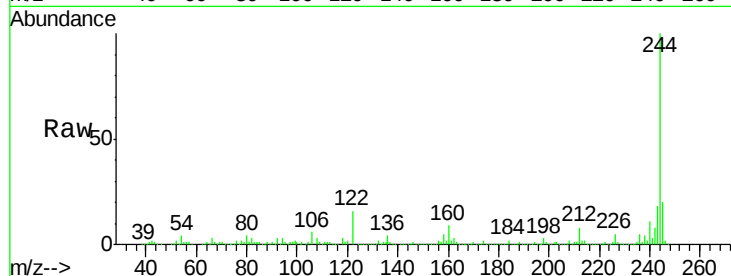
#78
 Terphenyl-d14
 Concen: 54.24 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: BF088562.D
 Acq: 1 Jul 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP-B2A

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.0	9.0
122	16.1	11.2	16.8

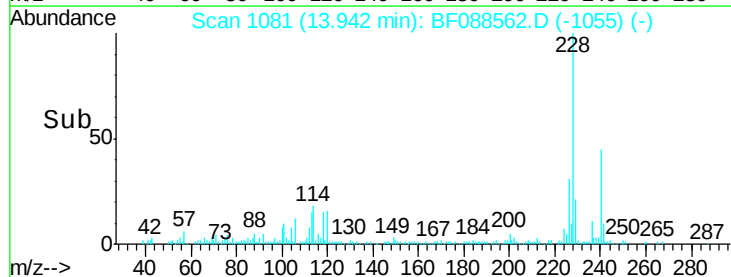
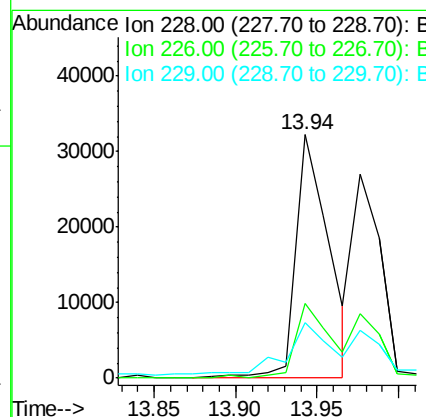
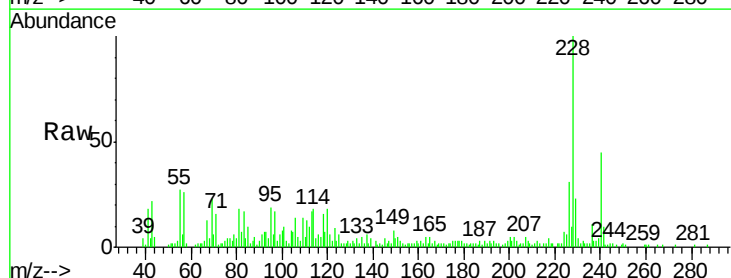
Manual Integrations

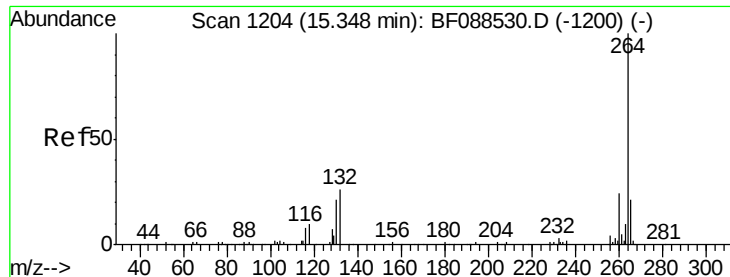
APPROVED
 SOHIL
 7/1/2016 8:06:43 AM



#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	Ratio	Lower	Upper
228	100		
226	30.7	22.3	33.5
229	22.6	16.0	24.0





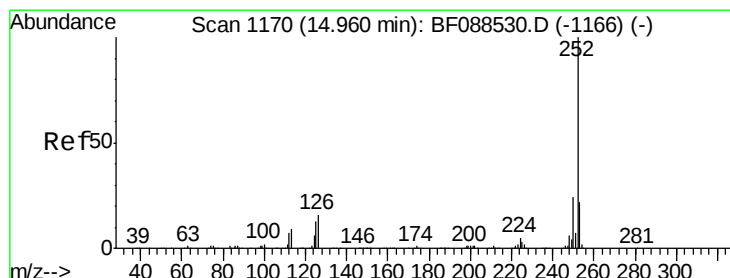
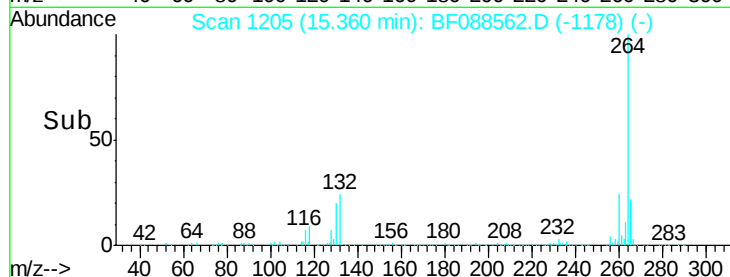
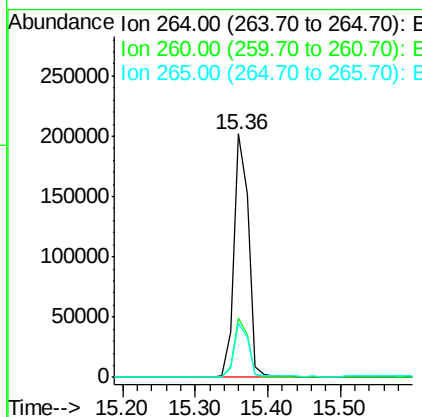
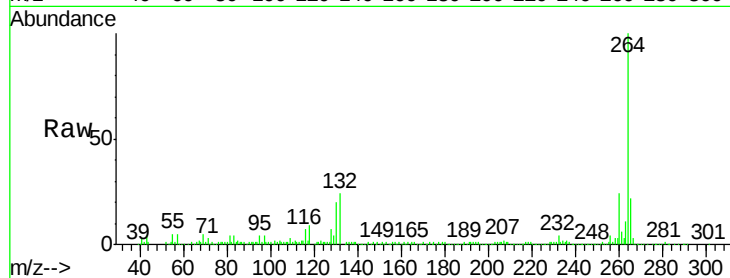
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BF088562.D
Acq: 1 Jul 2016 7:07

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

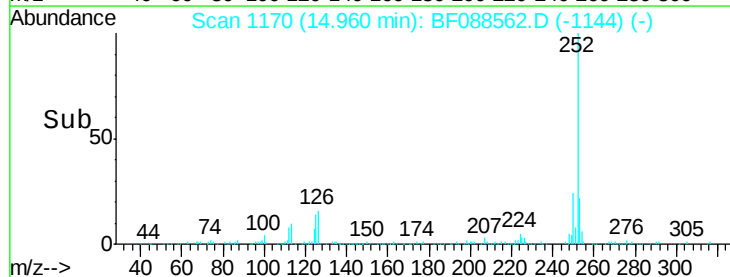
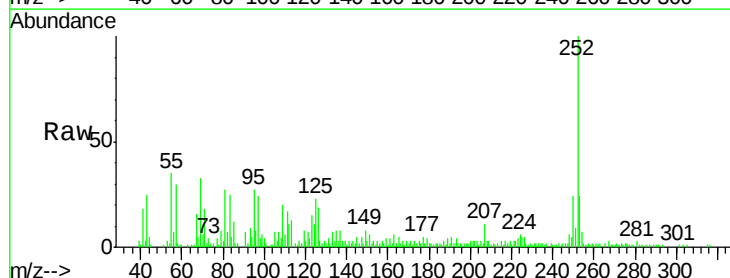
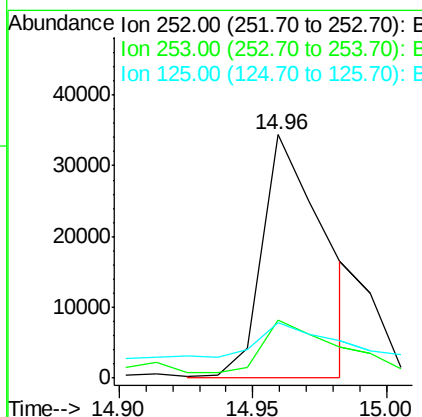
Manual Integrations

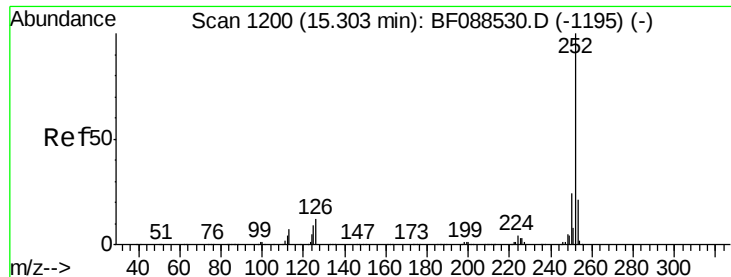
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7/1/2016 8:06:43 AM



#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#





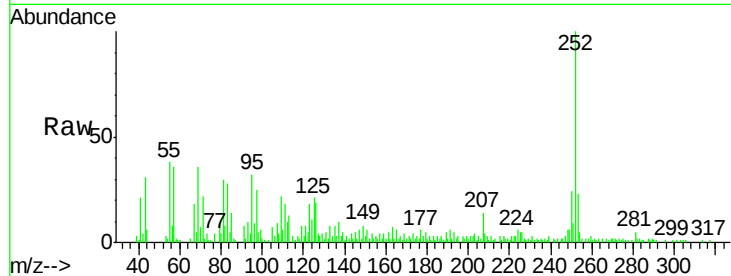
#89
 Benzo(a)pyrene
 Concen: 2.11 ng
 RT: 15.30 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF088562.D
 Acq: 1 Jul 2016 7:07

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

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



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

