

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070716\
 Data File : BF088800.D
 Acq On : 8 Jul 2016 1:32
 Operator : UM/SJ
 Sample : H3889-04 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Manual Integrations

APPROVED
 SOHIL
 7/8/2016 7:04:20 AM

Quant Time: Jul 08 04:01:41 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 01:56:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	87080	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	302488	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	121054	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	191424	20.00	ng	0.00
75) Chrysene-d12	13.89	240	176329	20.00	ng	0.00
86) Perylene-d12	15.27	264	146098	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	82040	14.12	ng	0.00
7) Phenol-d6	6.38	99	103321	13.76	ng	-0.01
23) Nitrobenzene-d5	7.30	82	67133	11.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	15226	13.54	ng	-0.01
44) 2-Fluorobiphenyl	9.11	172	102025	13.31	ng	0.00
78) Terphenyl-d14	12.83	244	65979	8.33	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.50	163	95145	11.03	ng	99
51) Acenaphthene	9.80	154	18874	2.46	ng	97
70) Phenanthrene	11.28	178	181039	17.30	ng	98
71) Anthracene	11.32	178	38127	3.66	ng	98
72) Carbazole	11.48	167	25683	2.62	ng	97
74) Fluoranthene	12.47	202	332936	31.39	ng	95
77) Pyrene	12.69	202	274941	18.39	ng	95
80) Benzo(a)anthracene	13.87	228	171993	15.15	ng	98
82) Chrysene	13.91	228	123482	10.99	ng	96
85) Indeno(1,2,3-cd)pyrene	16.58	276	57354	6.64	ng	# 100
87) Benzo(b)fluoranthene	14.89	252	189183m	20.64	ng	
88) Benzo(k)fluoranthene	14.90	252	34802m	4.36	ng	
89) Benzo(a)pyrene	15.21	252	101080	13.03	ng	99
90) Dibenzo(a,h)anthracene	16.59	278	14324m	2.21	ng	
91) Benzo(a,h,i)perylene	16.98	276	53328	7.95	ng	95

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

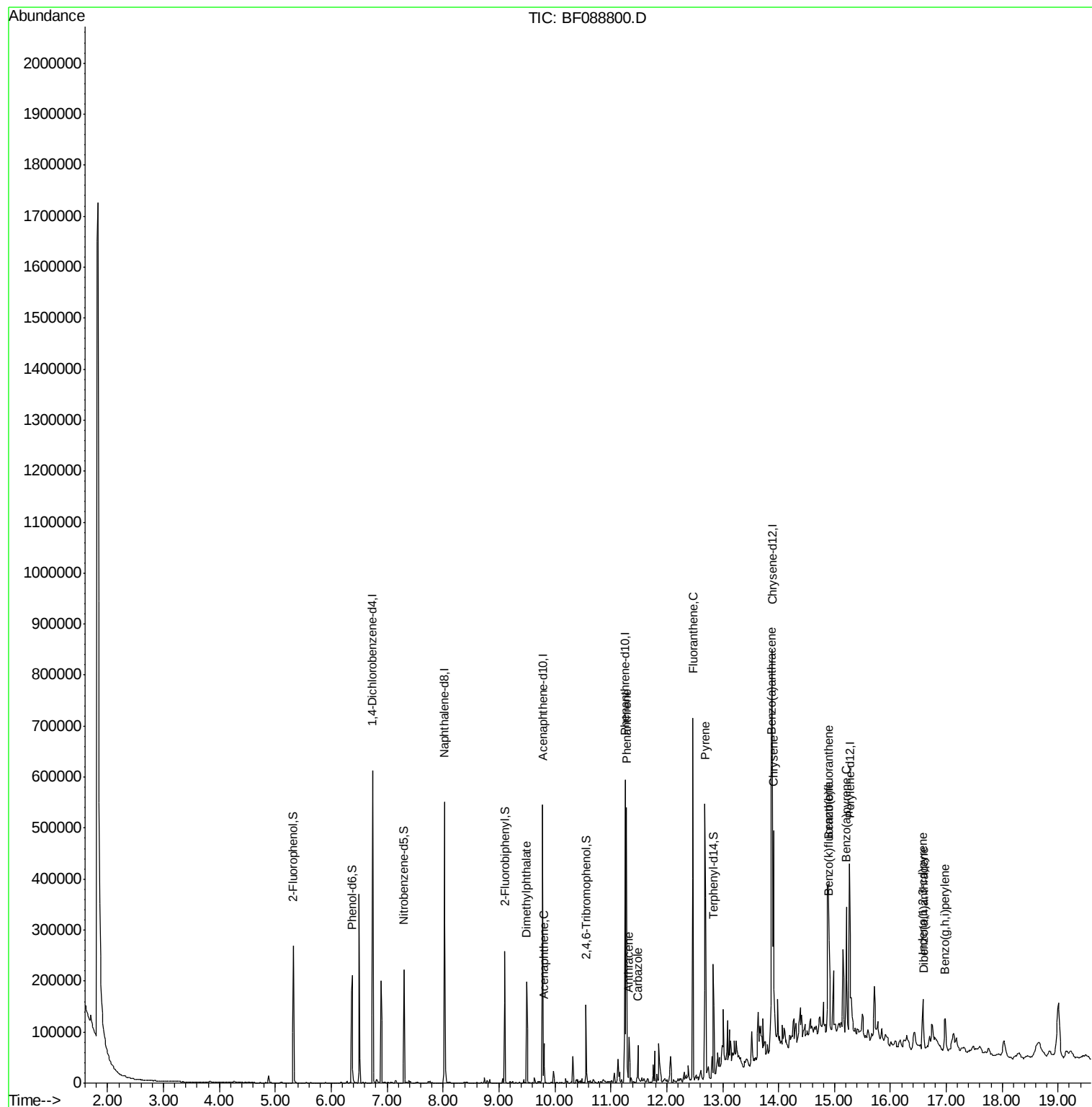
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070716\
Data File : BF088800.D
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ALS Vial : 30 Sample Multiplier: 1

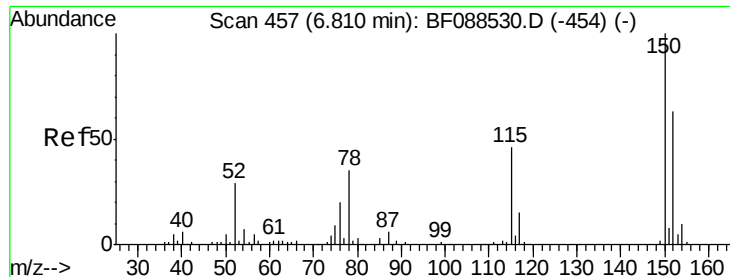
Instrument :
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Quant Time: Jul 08 04:01:41 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 08 01:56:42 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 451

Delta R.T. 0.00 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

Instrument :

BNA_F

ClientSampled :

SS-4

Tot Ion:152 Resp: 87080

Ion Ratio Lower Upper

152 100

150 157.2 123.8 185.6

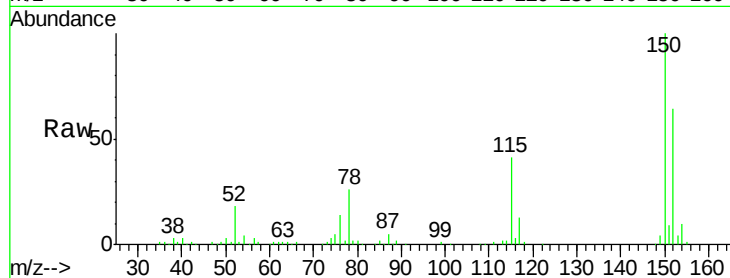
115 64.9 39.6 59.4#

Manual Integrations

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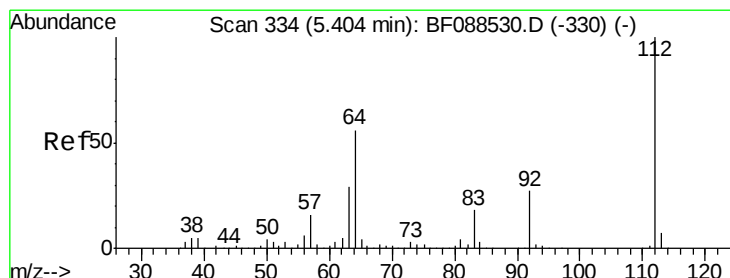
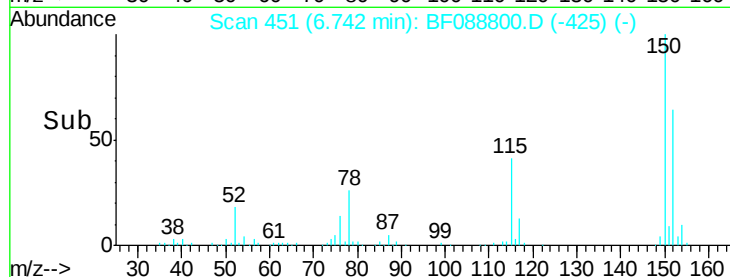
7/8/2016 7:04:20 AM



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: 14.12 ng

RT: 5.32 min Scan# 327

Delta R.T. 0.00 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

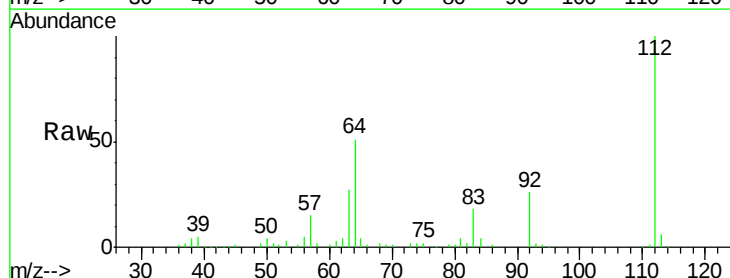
Tgt Ion:112 Resp: 82040

Ion Ratio Lower Upper

112 100

64 51.1 42.2 63.2

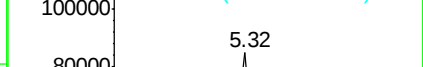
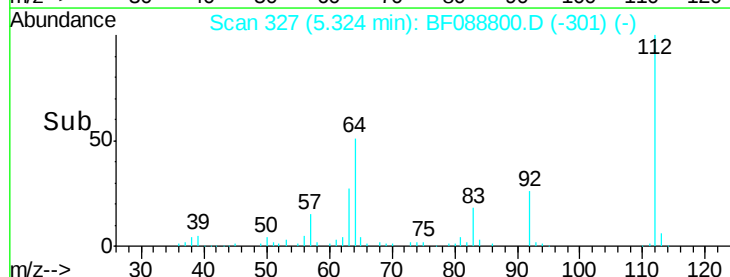
63 26.9 21.8 32.8



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: 13.76 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

Instrument :

BNA_F

ClientSampleId :

SS-4

Tot Ion: 99 Resp: 103321

Ion Ratio Lower Upper

99 100

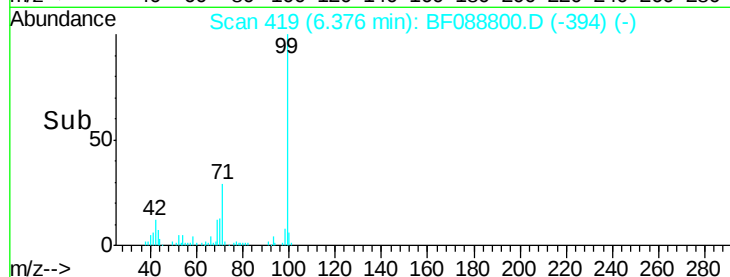
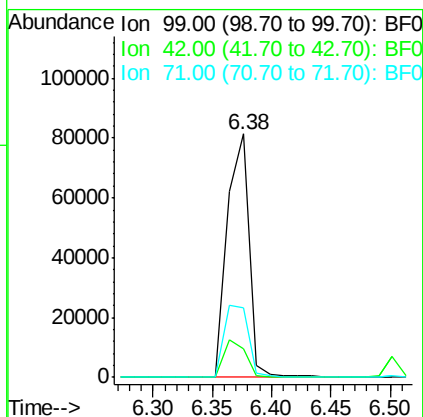
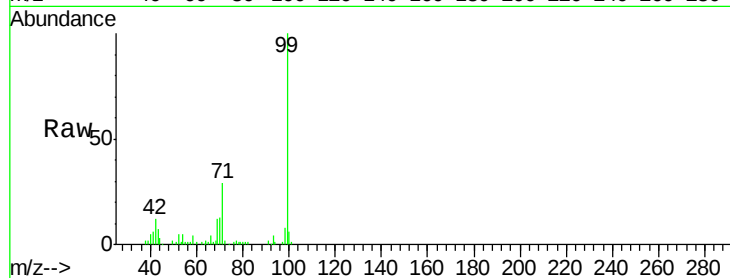
42 11.9 12.2 18.2#

71 28.7 23.4 35.0

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

Tgt Ion: 136 Resp: 302488

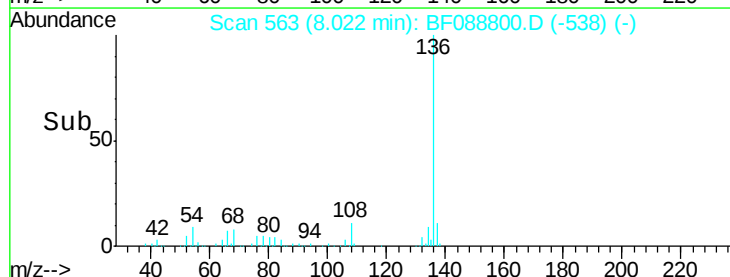
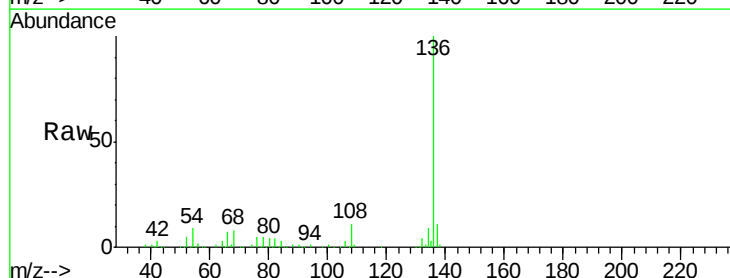
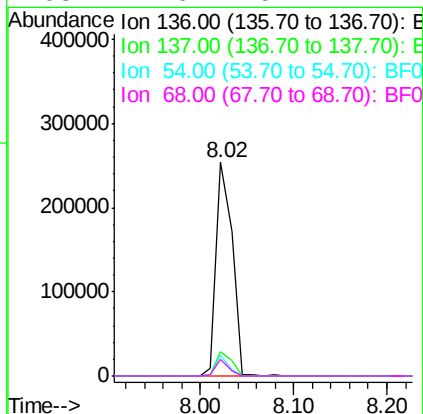
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 9.4 6.6 10.0

68 7.6 5.1 7.7





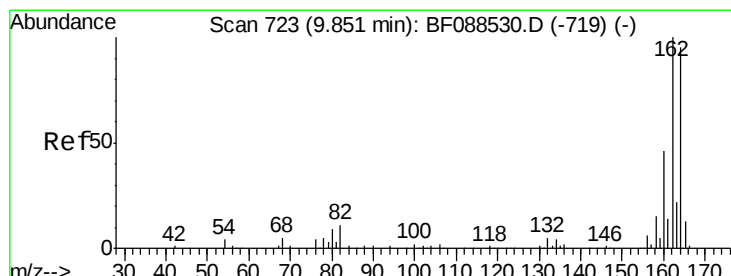
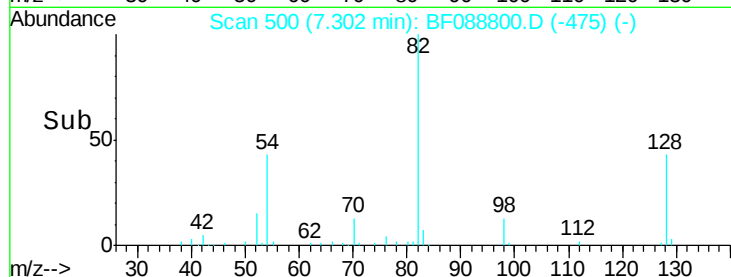
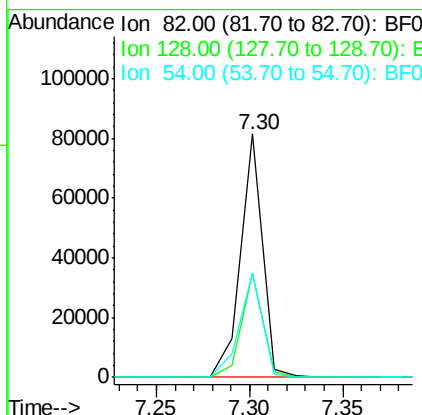
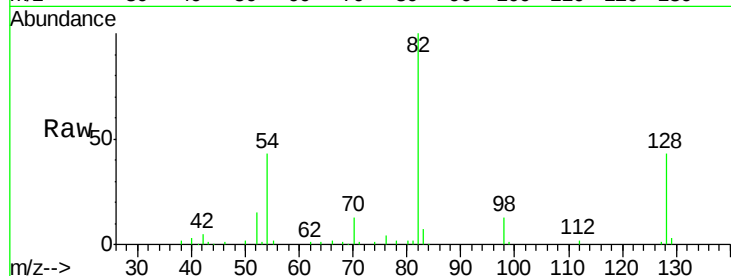
#23
Nitrobenzene-d5
Concen: 11.63 ng
RT: 7.30 min Scan# 500
Delta R.T. -0.01 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Instrument :
BNA_F
ClientSampled :
SS-4

Tot Ion	82	Resp	67133
Ion Ratio	100	Lower	Upper
128	42.7	35.9	53.9
54	42.5	40.9	61.3

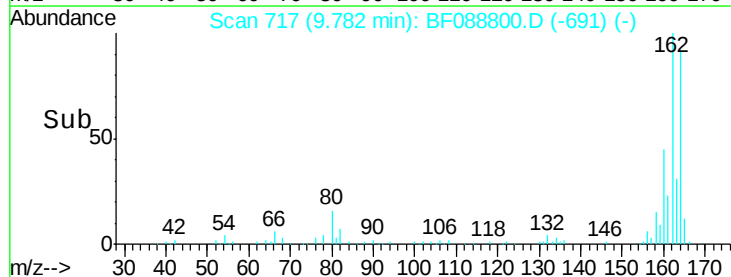
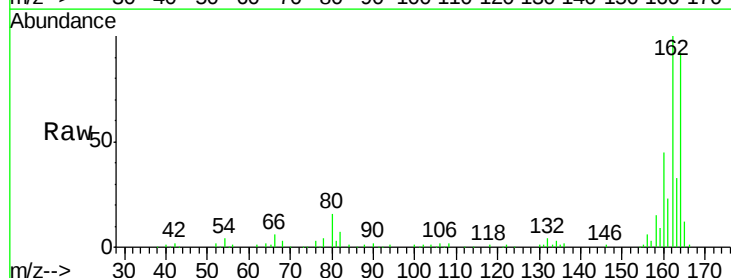
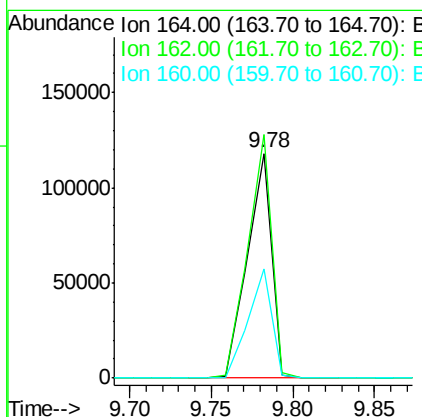
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 717
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Tgt Ion	164	Resp	121054
Ion Ratio	100	Lower	Upper
162	108.2	85.4	128.2
160	48.6	39.5	59.3





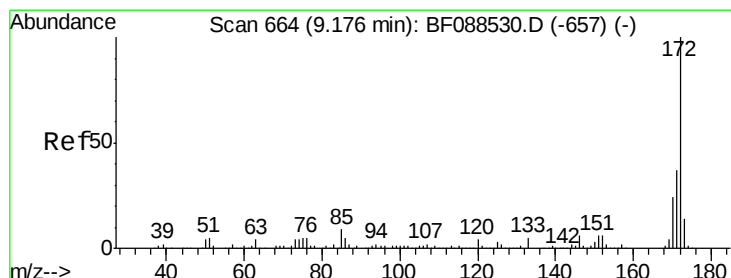
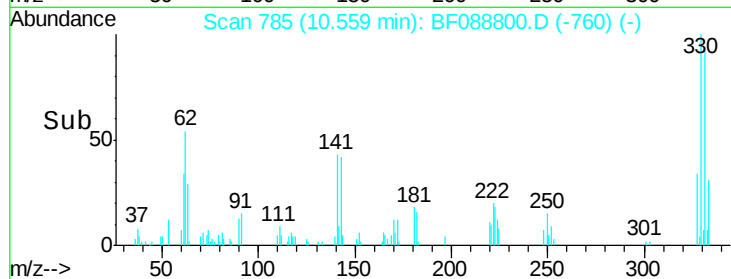
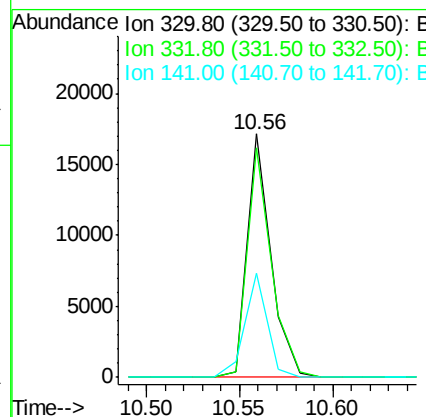
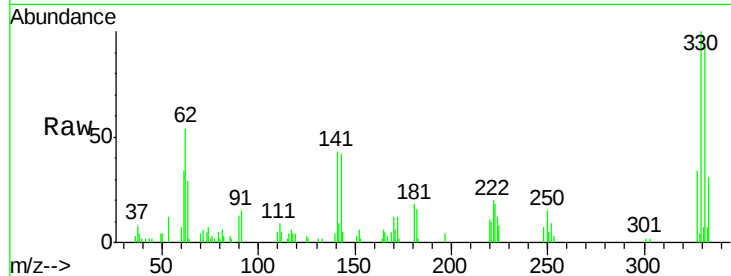
#41
 2,4,6-Tribromophenol
 Concen: 13.54 ng
 RT: 10.56 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Tot Ion	Ratio	Resp	Lower	Upper
330	100	15226		
332	95.8	0.0	0.0	0.0
141	40.7	0.0	0.0	0.0

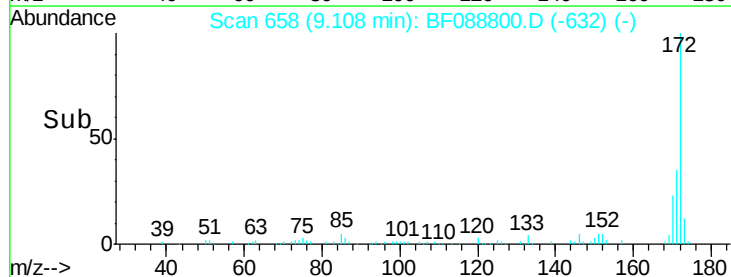
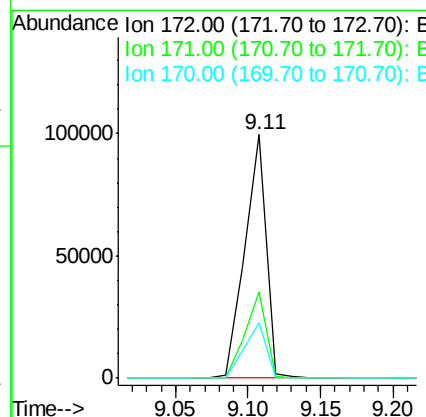
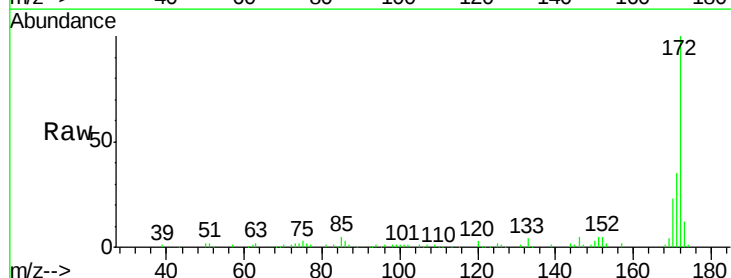
Manual Integrations

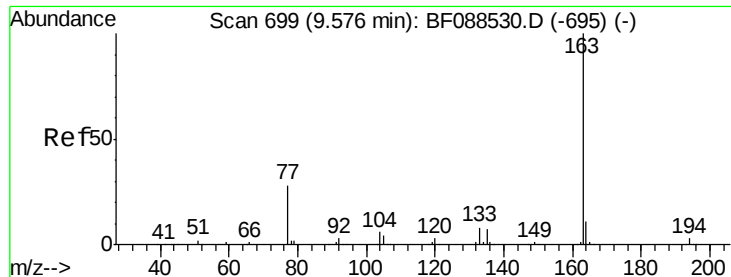
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#44
 2-Fluorobiphenyl
 Concen: 13.31 ng
 RT: 9.11 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	102025		
171	35.3	28.6	43.0	
170	22.7	19.2	28.8	





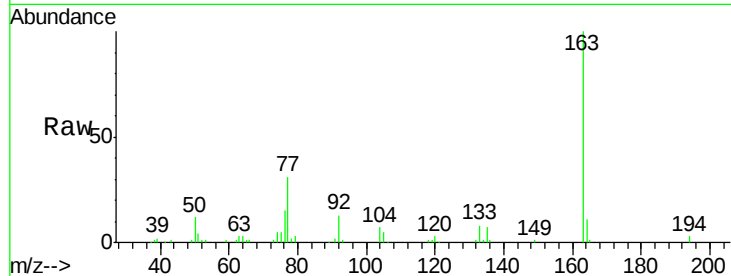
#49
Dimethylphthalate
Concen: 11.03 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.02 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Instrument :
BNA_F
ClientSampled :
SS-4

Tot Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.8	4.2
164	10.6	8.3	12.5

Manual Integrations

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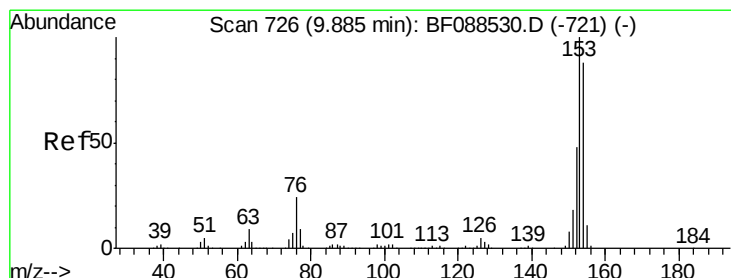
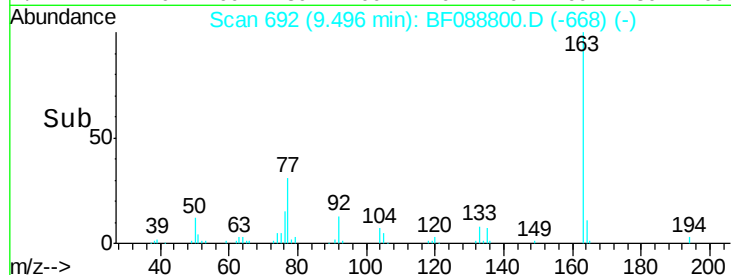
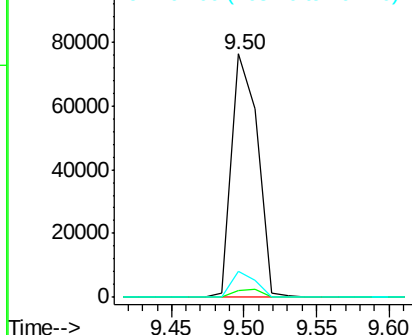


Abundance

Ion 163.00 (162.70 to 163.70): E

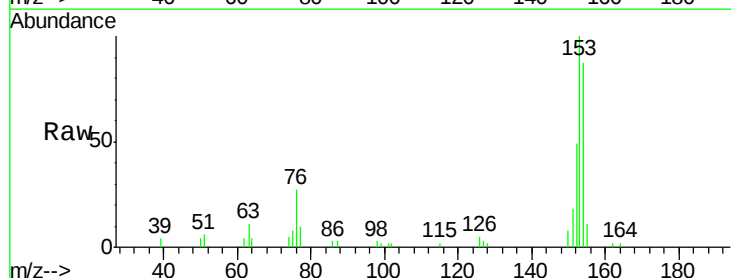
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 2.46 ng
RT: 9.80 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.4	89.5	134.3
152	56.6	42.7	64.1

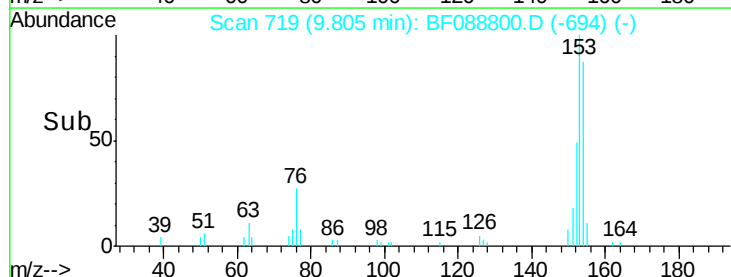
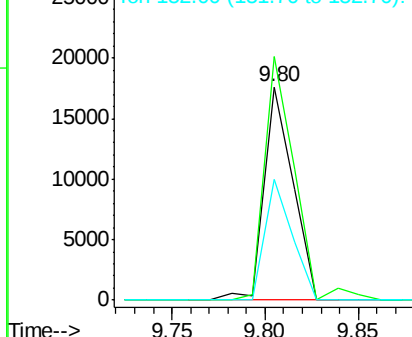


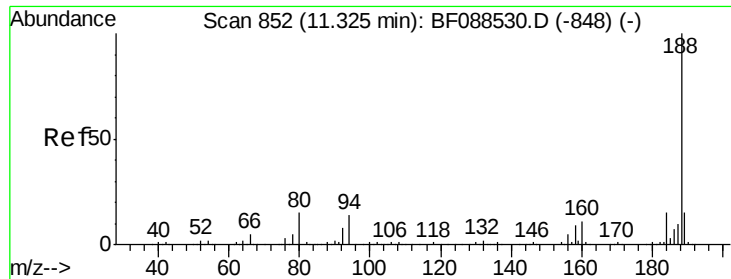
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





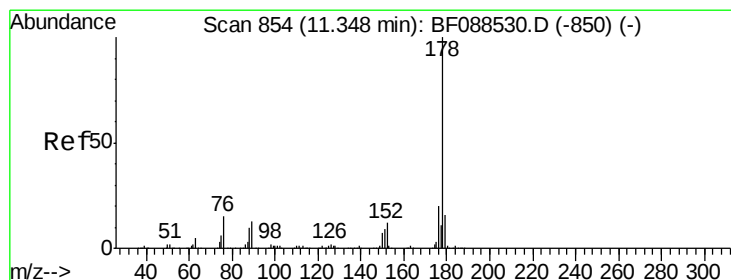
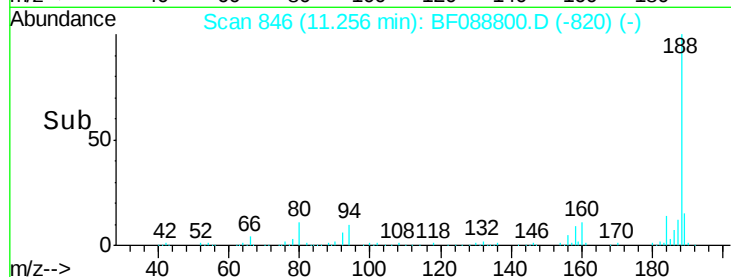
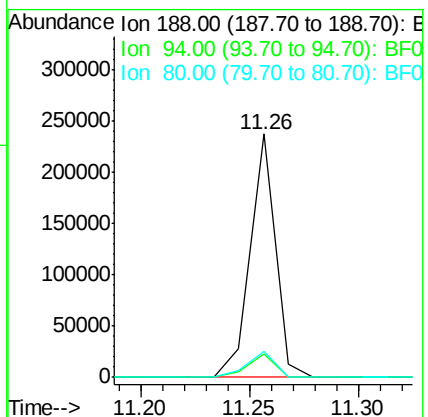
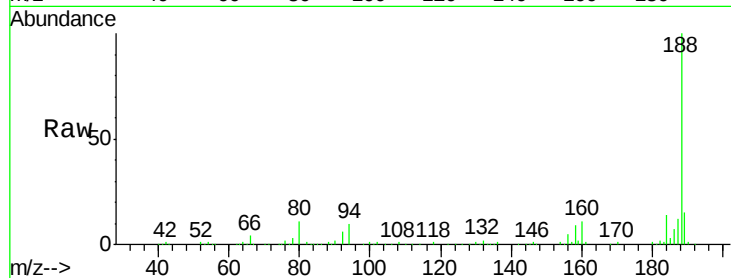
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 846
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Instrument :
BNA_F
ClientSampleId :
SS-4

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.0	13.6
80	10.9	10.0	15.0

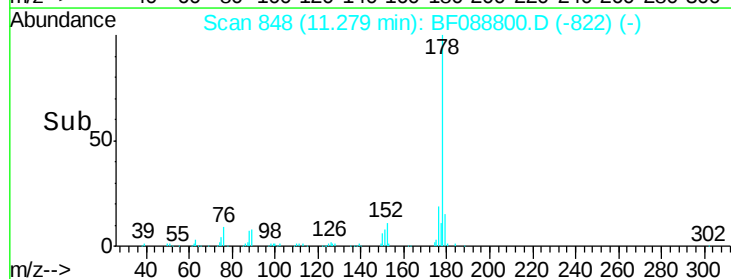
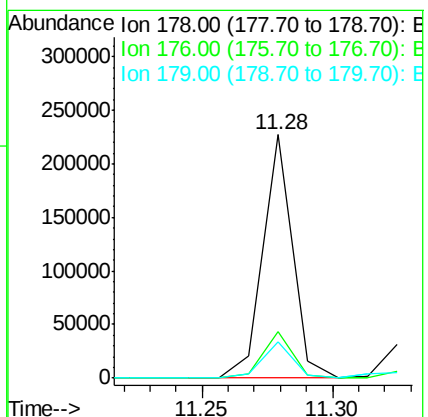
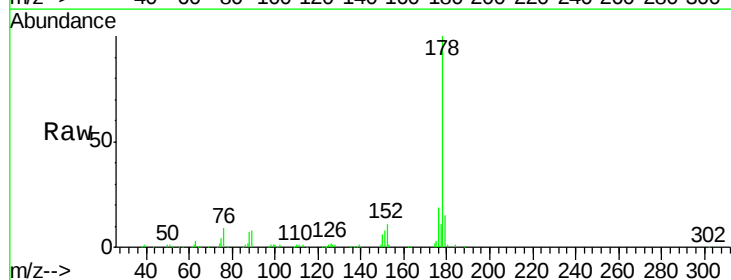
Manual Integrations

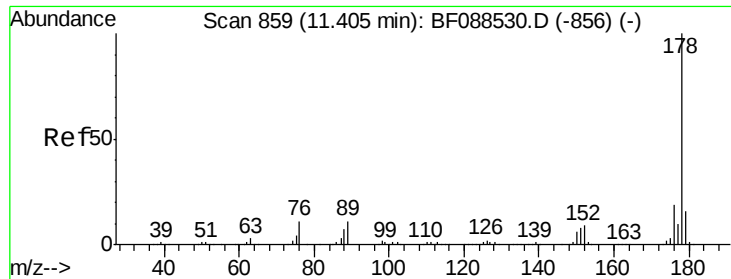
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#70
Phenanthrene
Concen: 17.30 ng
RT: 11.28 min Scan# 848
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.6
179	15.1	13.0	19.4





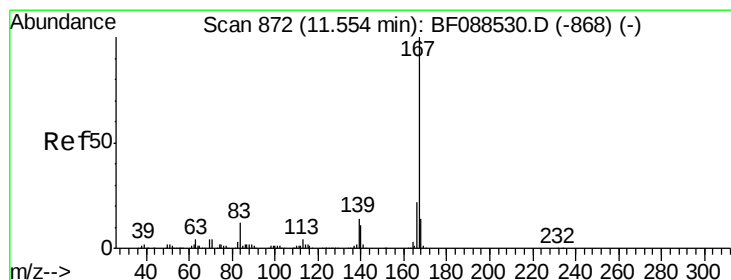
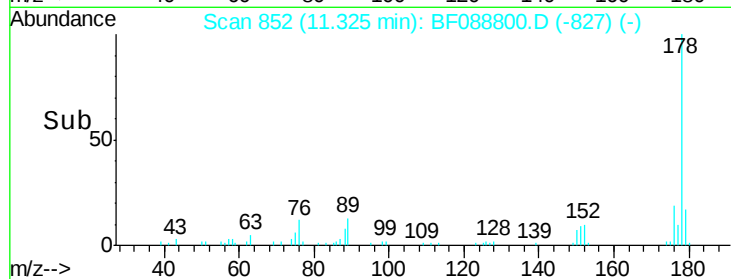
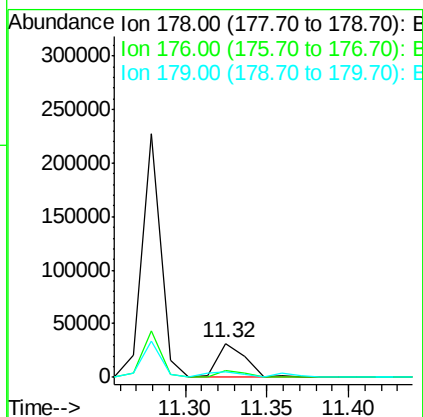
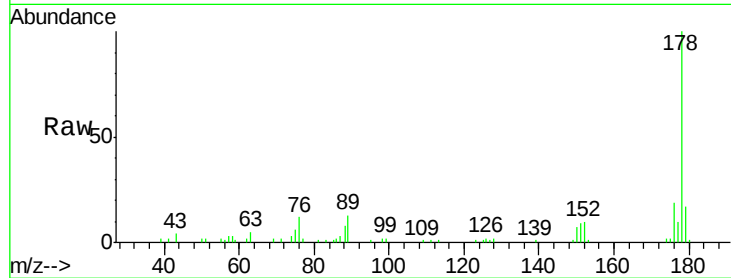
#71
 Anthracene
 Concen: 3.66 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.5	15.6	23.4	
179	17.0	12.8	19.2	

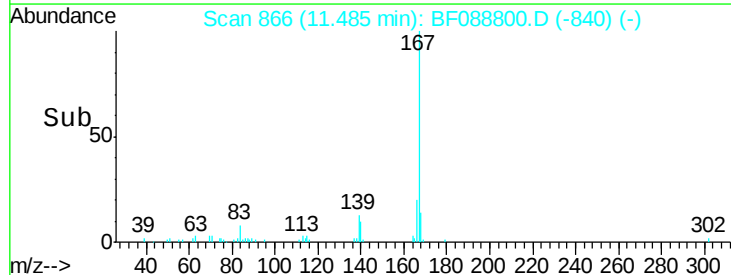
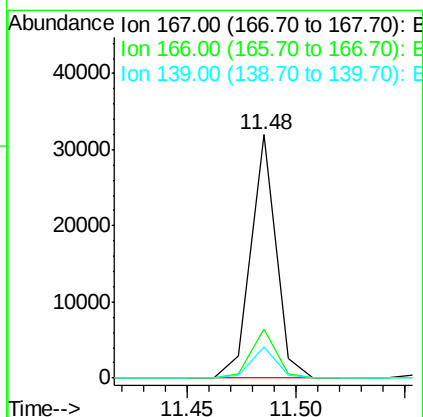
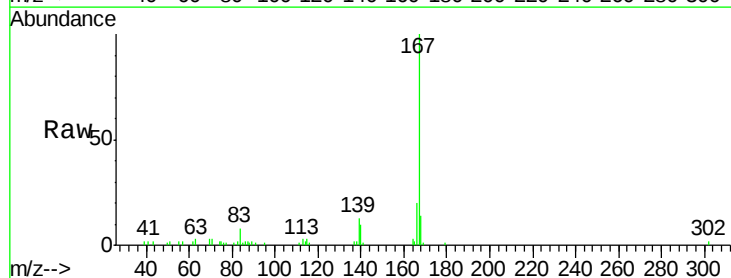
Manual Integrations

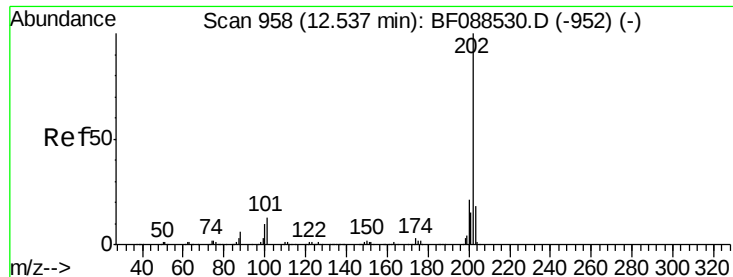
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#72
 Carbazole
 Concen: 2.62 ng
 RT: 11.48 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

Tgt Ion	Ion	Ratio	Lower	Upper
167	100			
166	20.4	17.8	26.6	
139	12.9	11.2	16.8	





#74

Fluoranthene

Concen: 31.39 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

Instrument :

BNA_F

ClientSampleId :

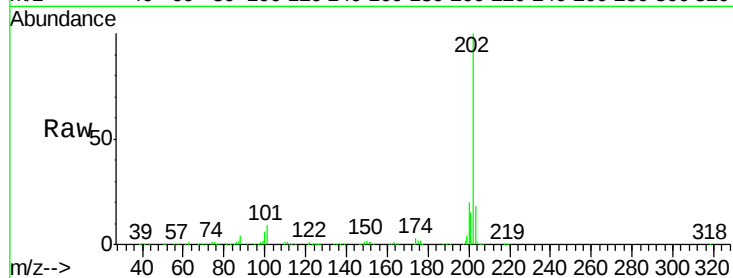
SS-4

Tot Ion:	202	Resp:	332936
Ion Ratio	Lower	Upper	
202	100		
101	8.7	0.0	33.1
203	17.6	0.0	38.1

Manual Integrations

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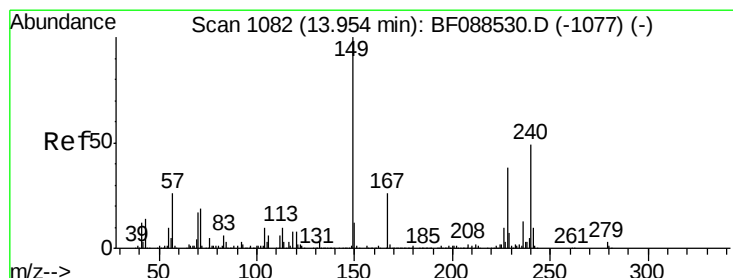
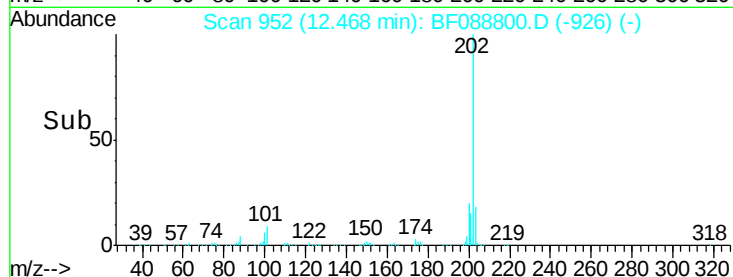
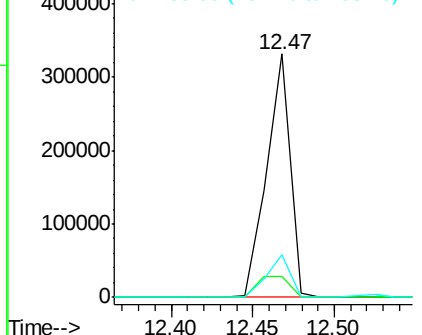
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Abundance Ion 202.00 (201.70 to 202.70): E

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

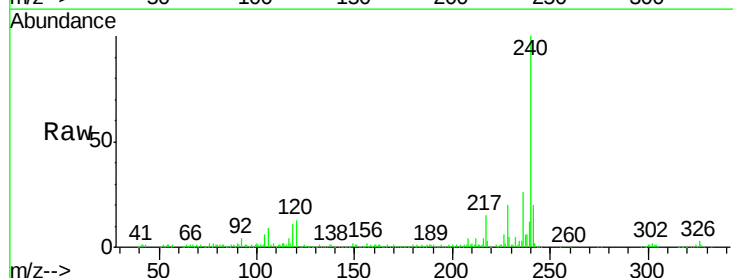
RT: 13.89 min Scan# 1076

Delta R.T. 0.00 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

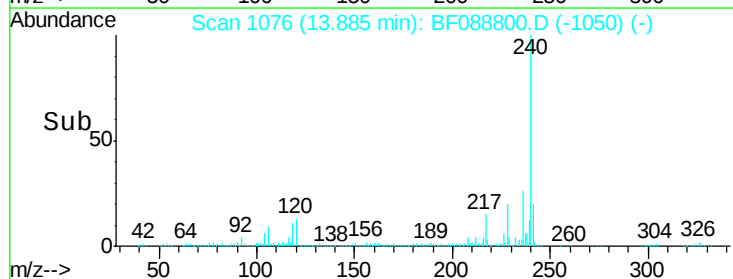
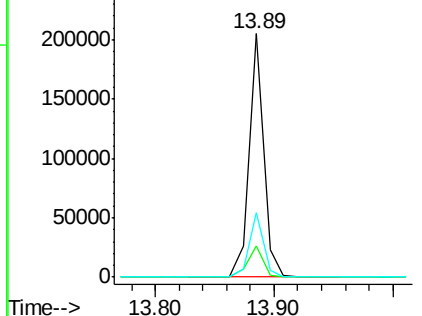
Tgt Ion:	240	Resp:	176329
Ion Ratio	Lower	Upper	
240	100		
120	12.8	6.8	10.2#
236	26.3	20.2	30.2

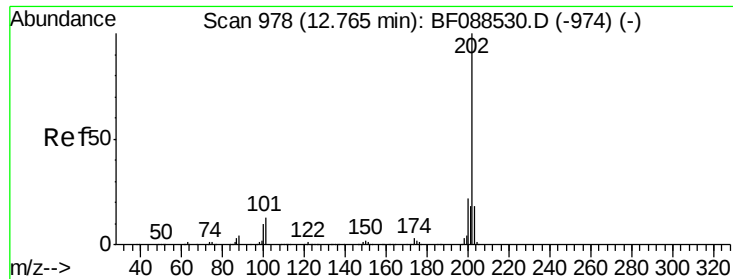


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





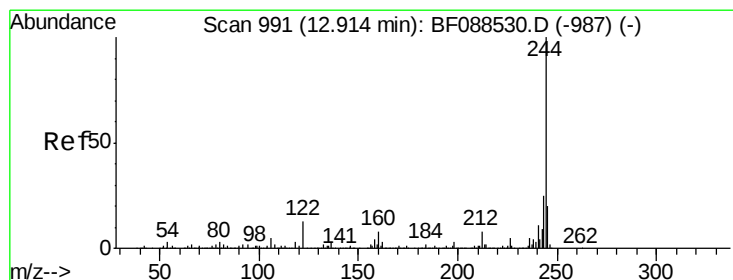
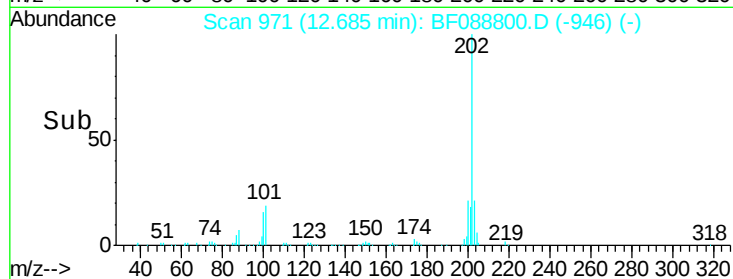
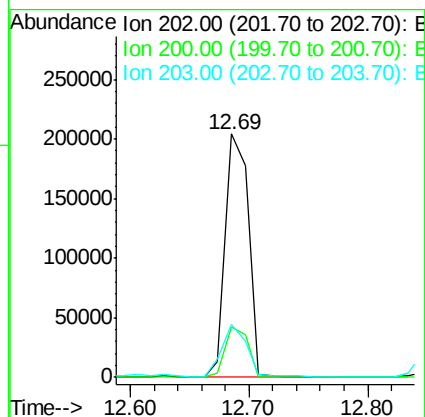
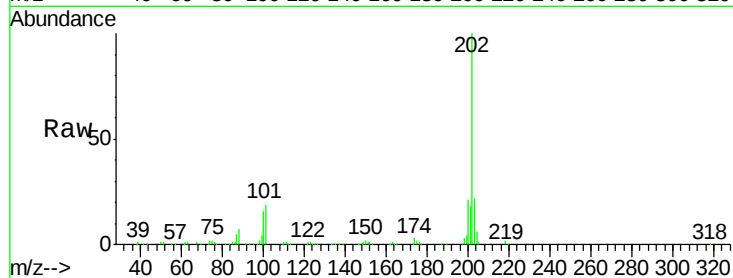
#77
Pvrene
Concen: 18.39 ng
RT: 12.69 min Scan# 971
Delta R.T. -0.01 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Instrument :
BNA_F
ClientSampled :
SS-4

Tot Ion:202	Resp:	274941
Ion Ratio	Lower	Upper
202	100	
200	20.8	17.4 26.2
203	21.6	14.5 21.7

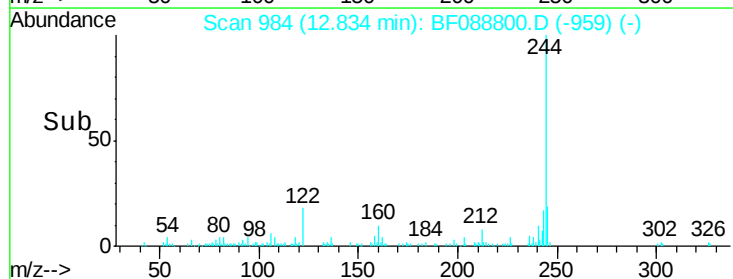
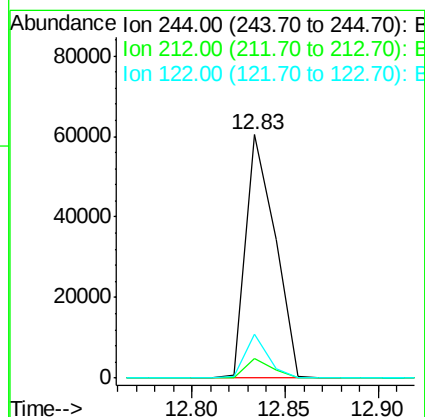
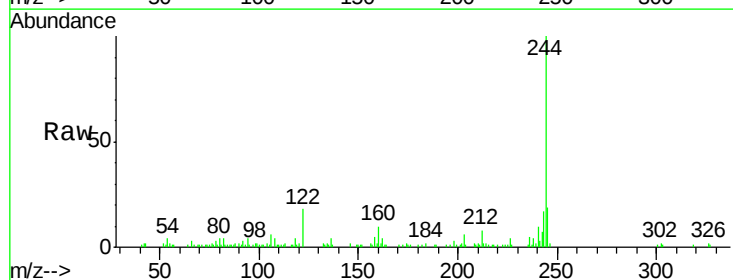
Manual Integrations

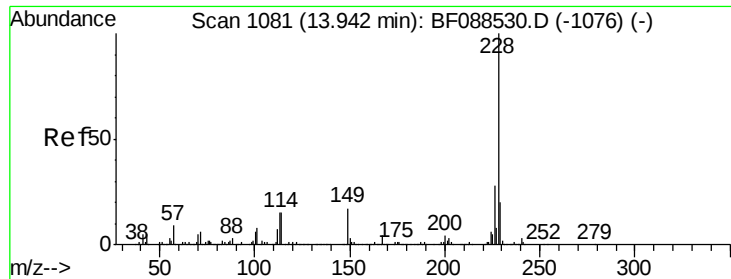
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#78
Terphenyl-d14
Concen: 8.33 ng
RT: 12.83 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Tgt Ion:244	Resp:	65979
Ion Ratio	Lower	Upper
244	100	
212	8.1	6.0 9.0
122	17.9	11.2 16.8#





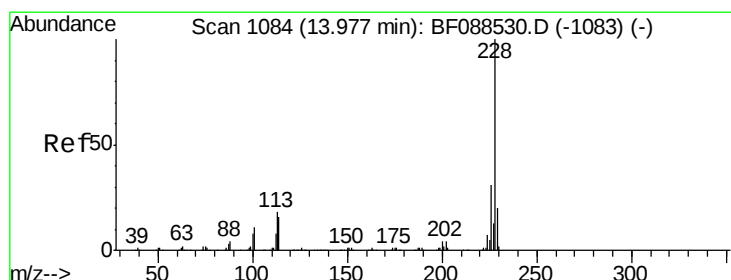
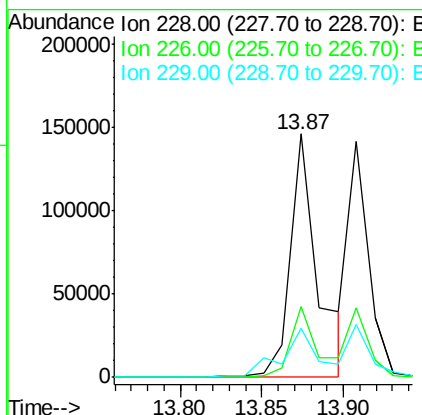
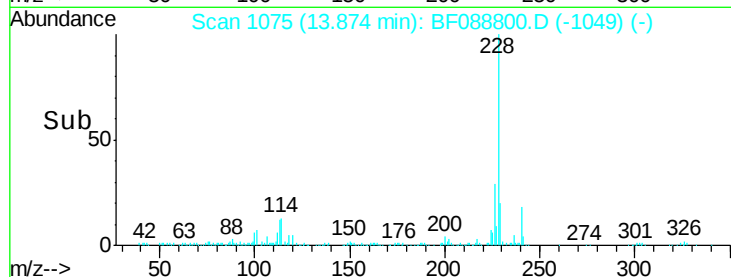
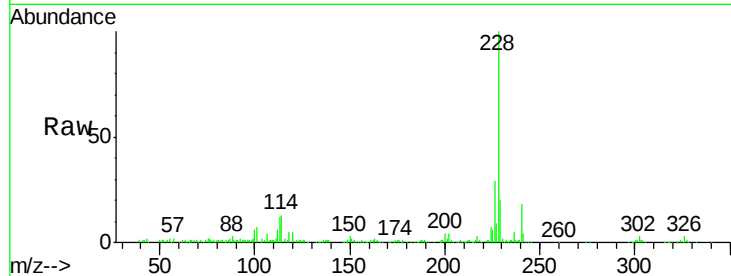
#80
Benzo(a)anthracene
Concen: 15.15 ng
RT: 13.87 min Scan# 1075
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Instrument :
BNA_F
ClientSampleId :
SS-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.3	33.5
229	20.3	16.0	24.0

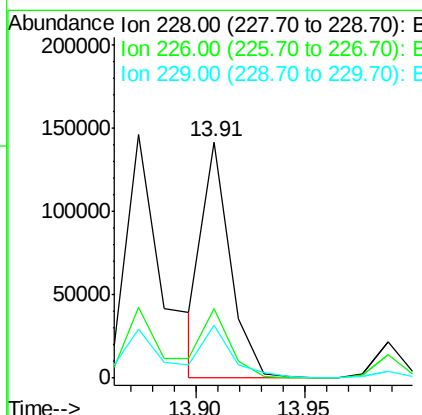
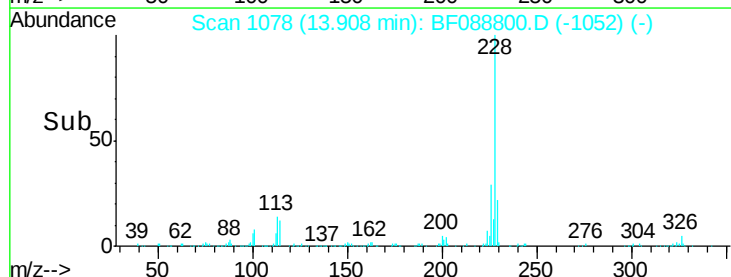
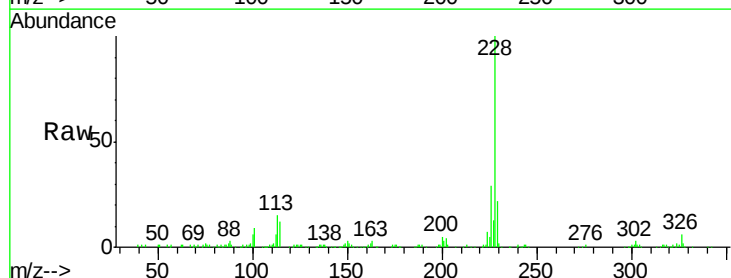
Manual Integrations

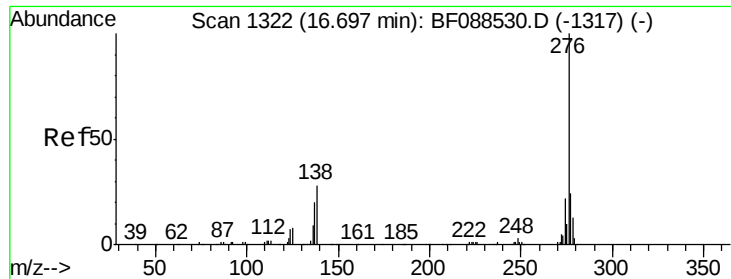
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#82
Chrysene
Concen: 10.99 ng
RT: 13.91 min Scan# 1078
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.4	38.2
229	22.3	16.3	24.5





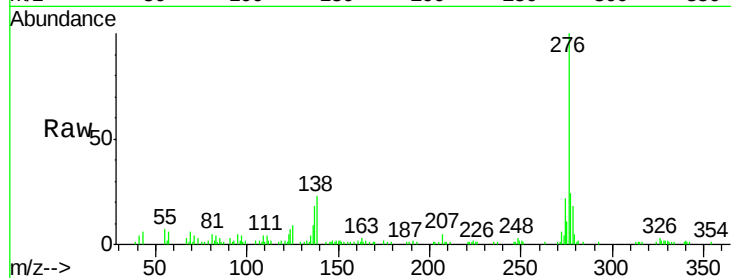
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.64 ng
RT: 16.58 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Instrument :
BNA_F
ClientSampleId :
SS-4

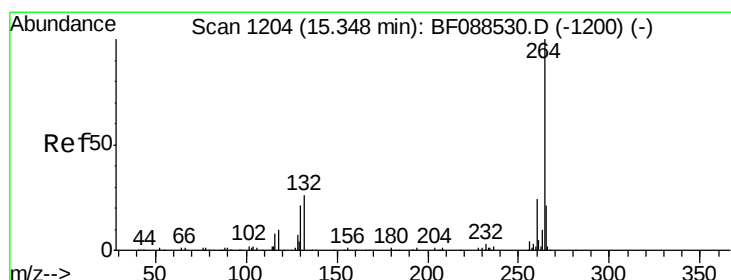
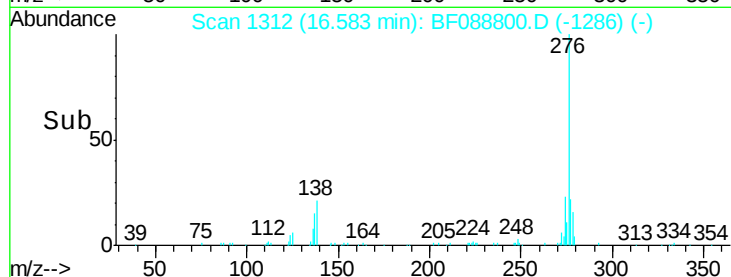
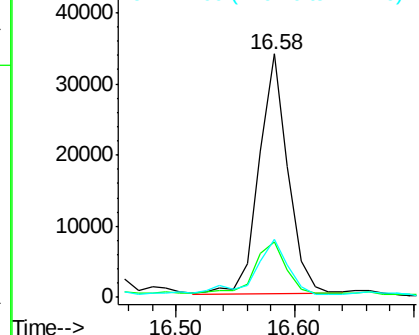
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.7	0.0	0.0#
277	28.4	0.0	0.0#

Manual Integrations

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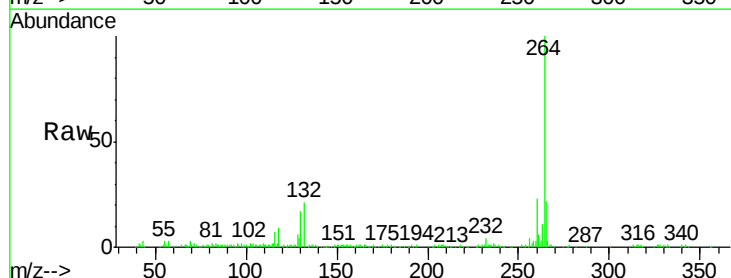


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

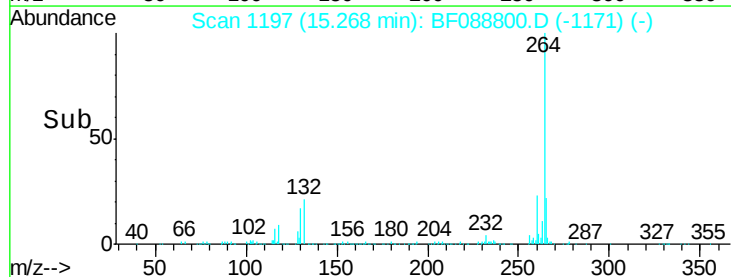
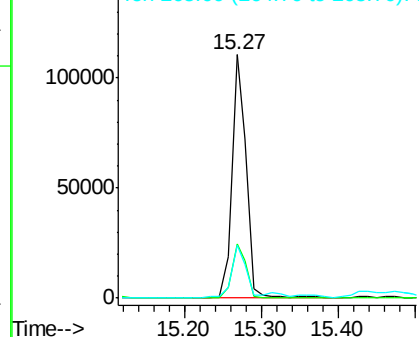


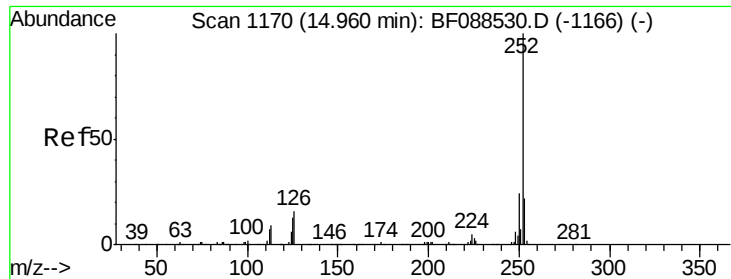
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	21.9	16.9	25.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 20.64 ng m

RT: 14.89 min Scan# 1164

Delta R.T. 0.01 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

Instrument :

BNA_F

ClientSampled :

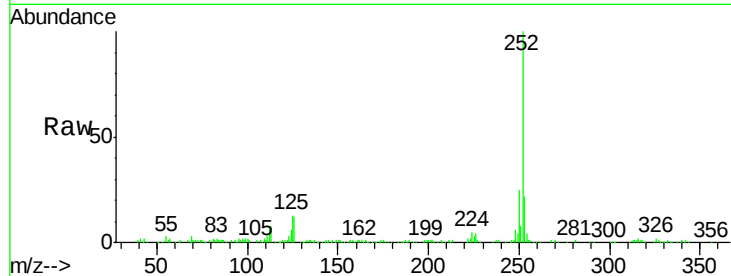
SS-4

Tot Ion:	252	Resp:	189183
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.4	26.2
125	12.5	7.1	10.7#

Manual Integrations

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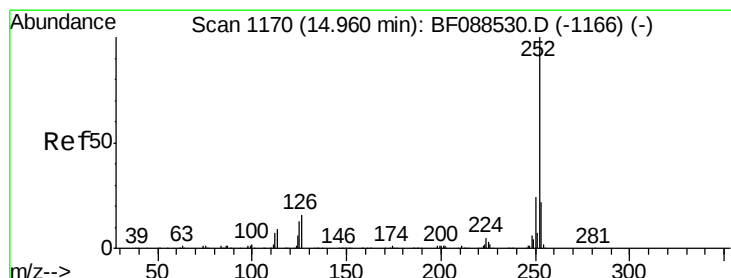
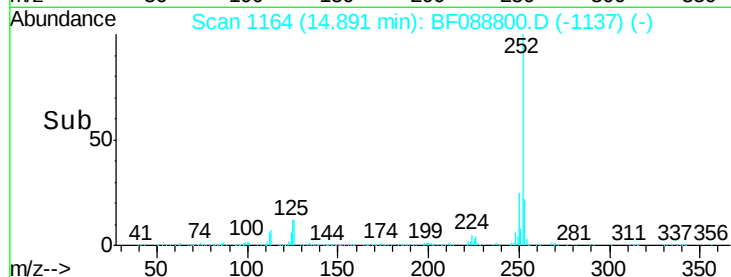
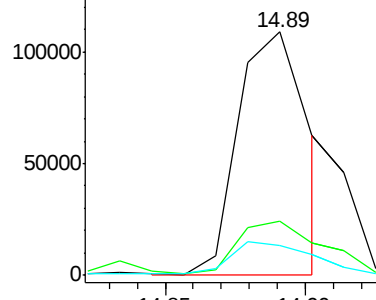


Abundance

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



#88

Benzo(k)fluoranthene

Concen: 4.36 ng m

RT: 14.90 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF088800.D

Acq: 8 Jul 2016 1:32

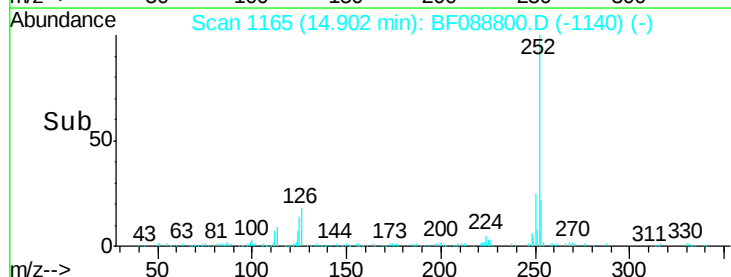
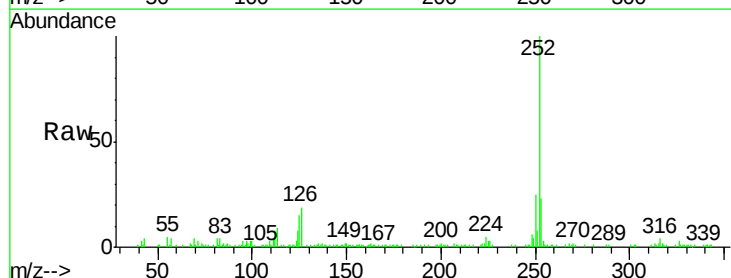
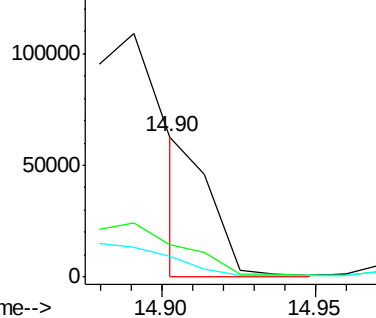
Tgt Ion:	252	Resp:	34802
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.0	27.0
125	14.7	11.2	16.8

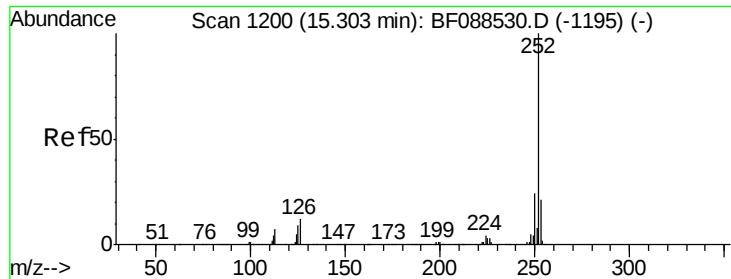
Abundance

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





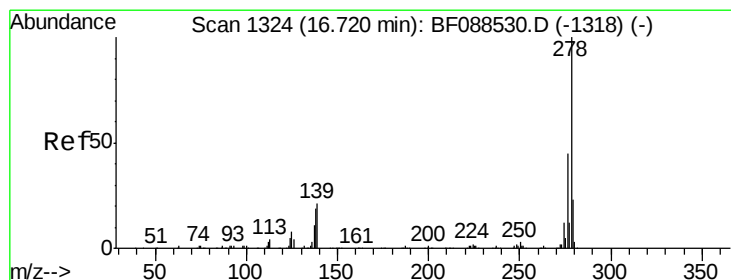
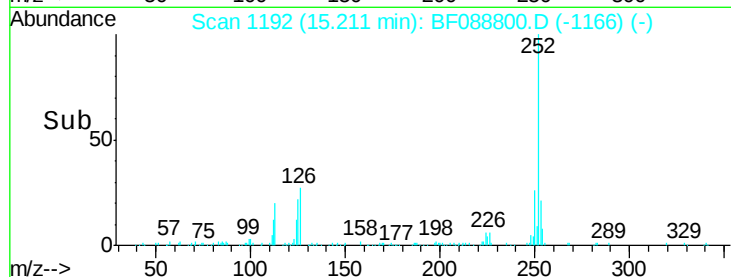
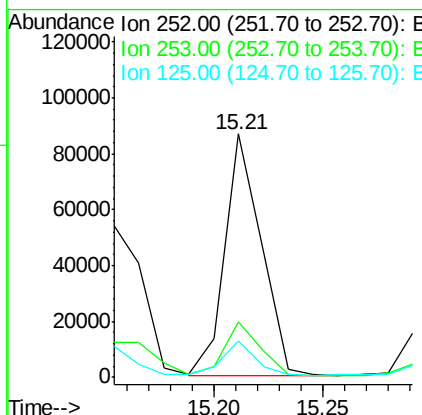
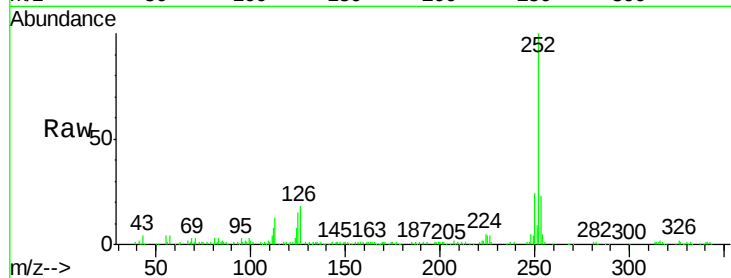
#89
Benzo(a)pyrene
Concen: 13.03 ng
RT: 15.21 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Instrument :
BNA_F
ClientSampled :
SS-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	15.1	12.5	18.7

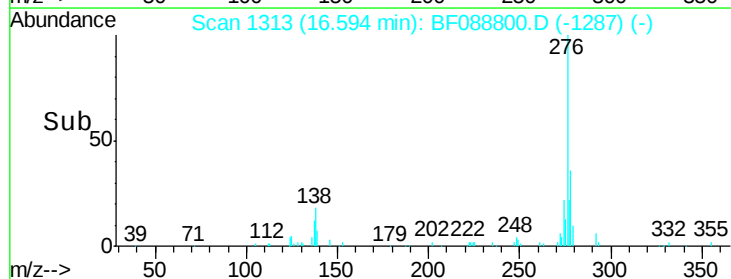
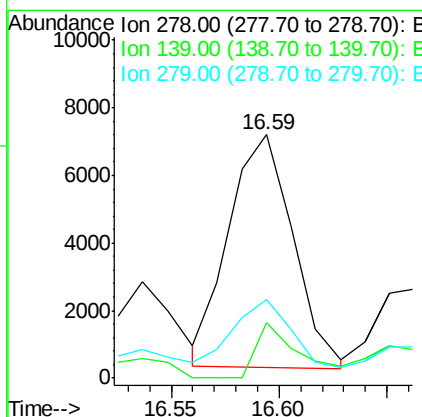
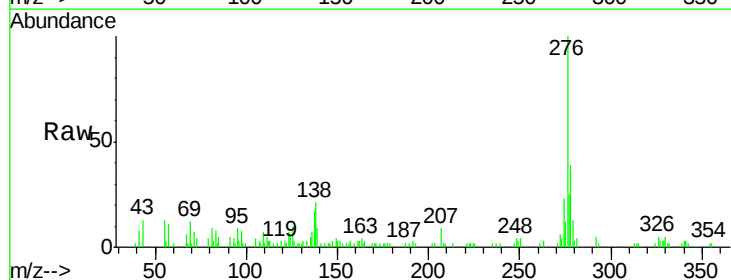
Manual Integrations

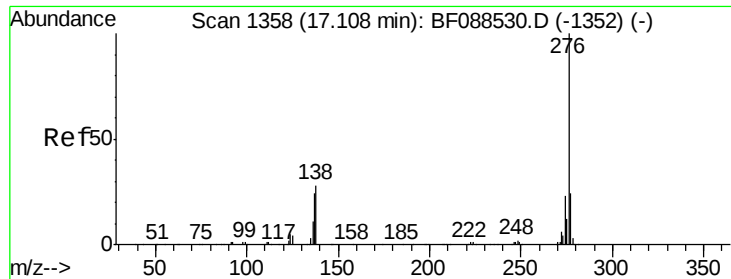
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#90
Dibenzo(a,h)anthracene
Concen: 2.21 ng m
RT: 16.59 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BF088800.D
Acq: 8 Jul 2016 1:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.9	15.7	23.5
279	32.1	19.4	29.2





#91
 Benzo(a,h,i)perylene
 Concen: 7.95 ng
 RT: 16.98 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: BF088800.D
 Acq: 8 Jul 2016 1:32

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Tot Ion	Ion	Ratio	Lower	Upper
53328	276	100		
	277	23.9	18.9	28.3
	138	22.6	21.4	32.2

Manual Integrations

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