

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
 Data File : BF088924.D
 Acq On : 12 Jul 2016 15:25
 Operator : UM/SJ
 Sample : H3889-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-6

Manual Integrations

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Quant Time: Jul 13 02:25:19 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	70725	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	279727	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	118635	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	184748	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	147667	20.00	ng	-0.01
86) Perylene-d12	15.21	264	144623	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	418103	88.60	ng	0.00
7) Phenol-d6	6.35	99	667725	109.51	ng	0.00
23) Nitrobenzene-d5	7.27	82	338075	63.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	113411	102.95	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	690662	91.96	ng	0.00
78) Terphenyl-d14	12.80	244	399213	60.22	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.46	163	108169	12.80	ng	99
51) Acenaphthene	9.77	154	22955	3.05	ng	97
57) Fluorene	10.28	166	15461	2.04	ng	94
70) Phenanthrene	11.23	178	177911	17.62	ng	99
71) Anthracene	11.29	178	42478	4.23	ng	98
72) Carbazole	11.44	167	27756	2.94	ng	100
74) Fluoranthene	12.42	202	264019	25.79	ng	94
77) Pyrene	12.64	202	195112m	15.58	ng	
80) Benzo(a)anthracene	13.83	228	127015	13.36	ng	99
82) Chrysene	13.86	228	86797	9.23	ng	97
85) Indeno(1,2,3-cd)pyrene	16.49	276	52115	7.20	ng	# 100
87) Benzo(b)fluoranthene	14.83	252	136769m	15.08	ng	
88) Benzo(k)fluoranthene	14.86	252	45065m	5.71	ng	
89) Benzo(a)pyrene	15.15	252	86780	11.30	ng	97
90) Dibenzo(a,h)anthracene	16.50	278	15236m	2.38	ng	
91) Benzo(g,h,i)perylene	16.88	276	47764	7.20	ng	95

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

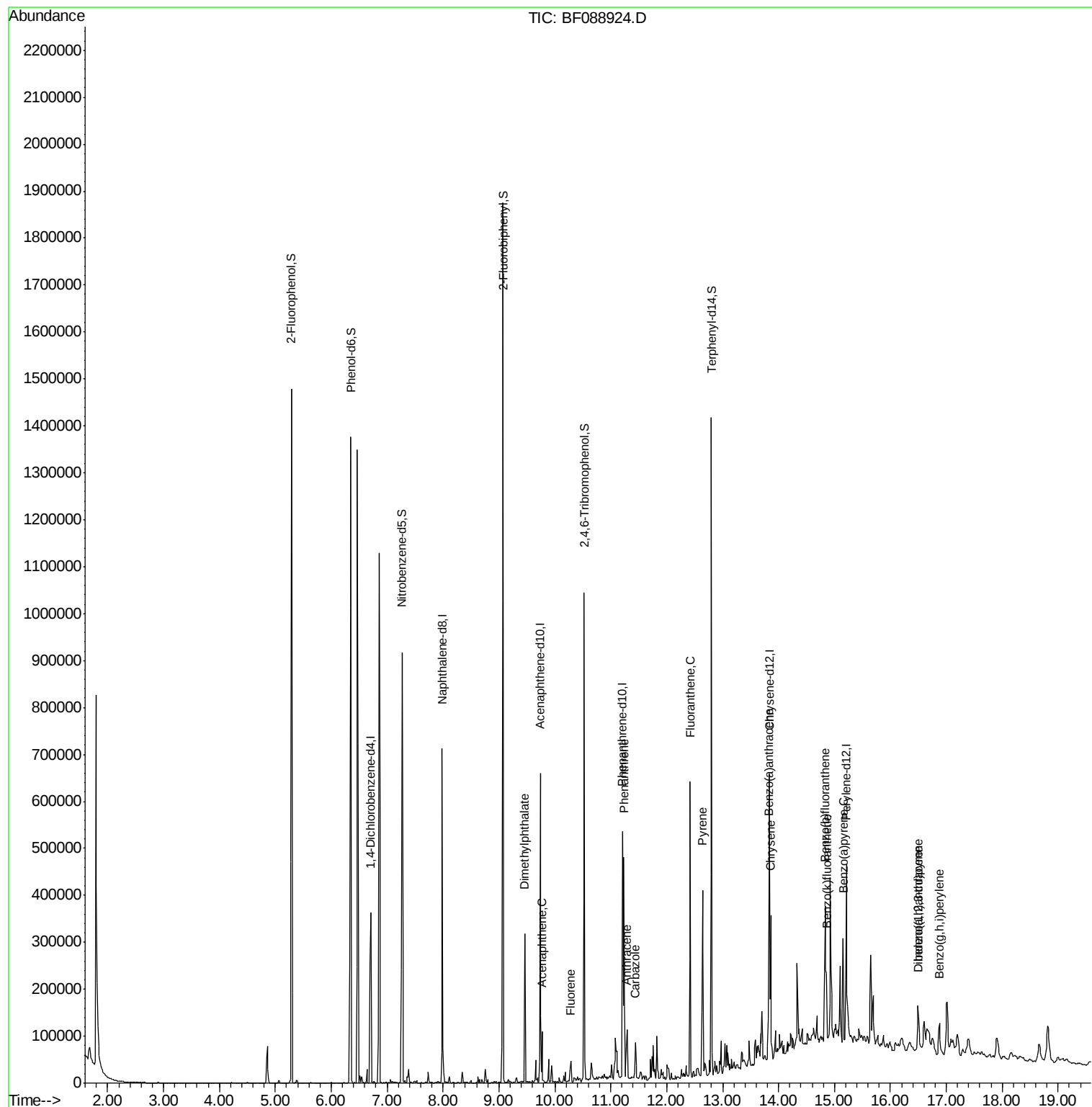
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
Data File : BF088924.D
Acq On : 12 Jul 2016 15:25
Operator : UM/SJ
Sample : H3889-06
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ALS Vial : 5 Sample Multiplier: 1

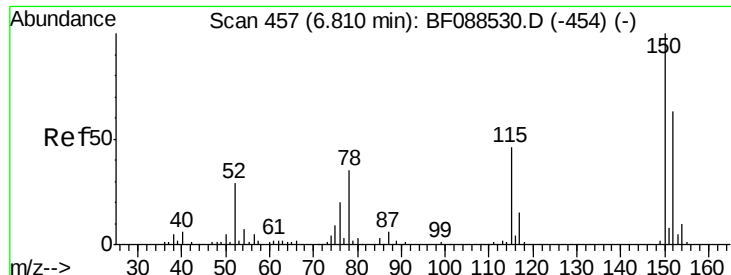
Instrument :
BNA_F
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SS-6

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Quant Time: Jul 13 02:25:19 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration

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#1

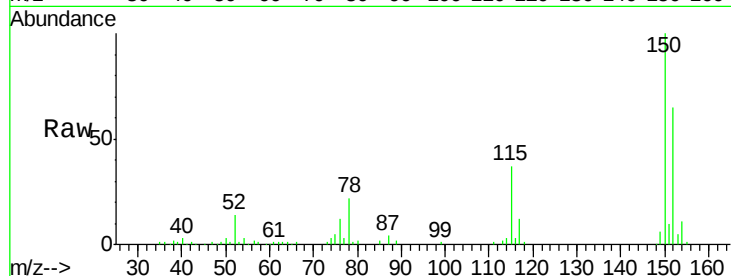
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 448
Delta R.T. -0.00 min
Lab File: BF088924.D
Acq: 12 Jul 2016 15:25

Instrument :
BNA_F
ClientSampled :
SS-6

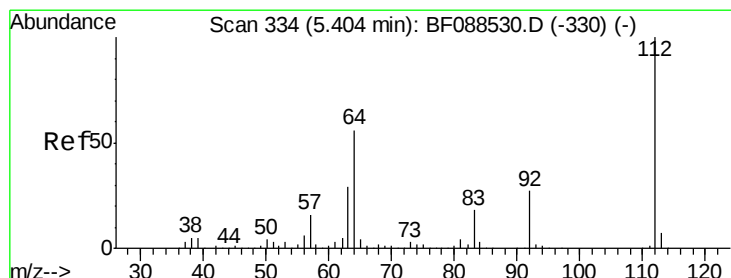
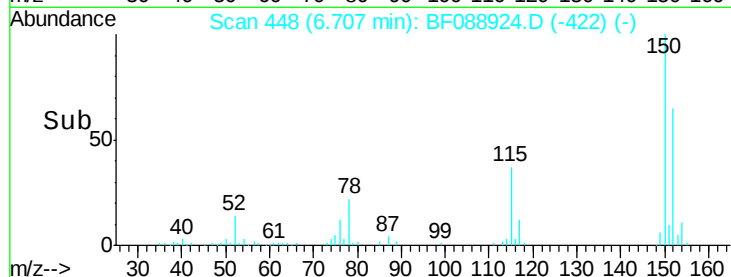
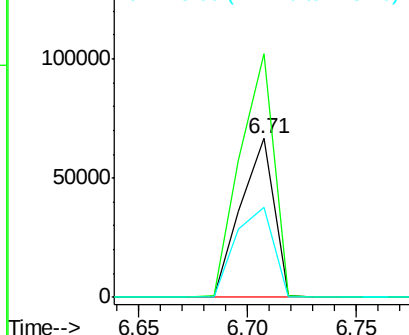
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	123.8	185.6
115	56.9	39.6	59.4

Manual Integrations

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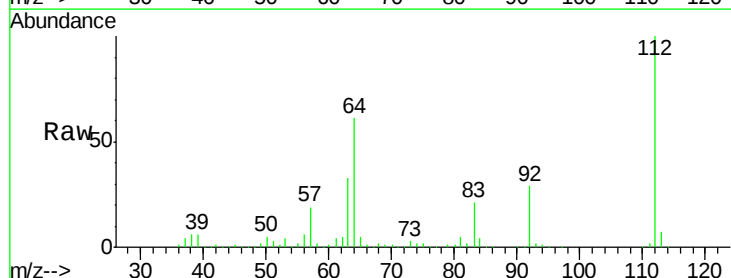
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



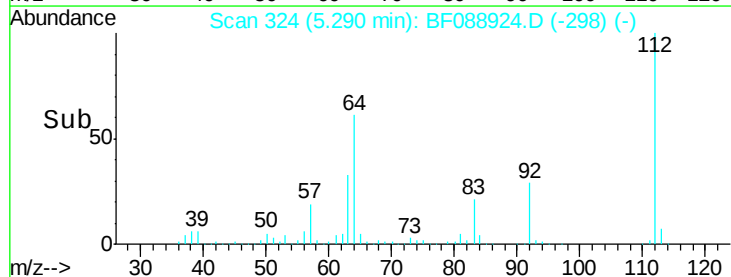
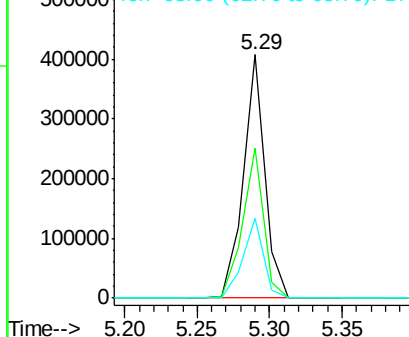
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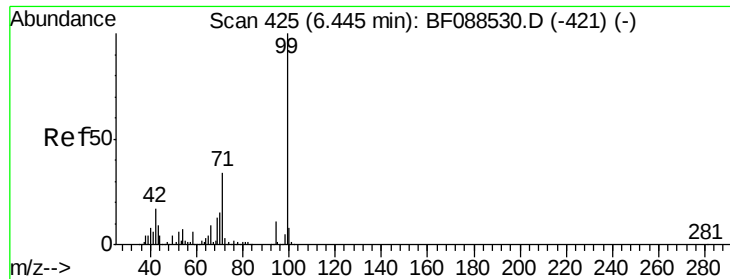
2-Fluorophenol
Concen: 88.60 ng
RT: 5.29 min Scan# 324
Delta R.T. -0.00 min
Lab File: BF088924.D
Acq: 12 Jul 2016 15:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	42.2	63.2
63	32.8	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: 109.51 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088924.D

Acq: 12 Jul 2016 15:25

Instrument :

BNA_F

ClientSampled :

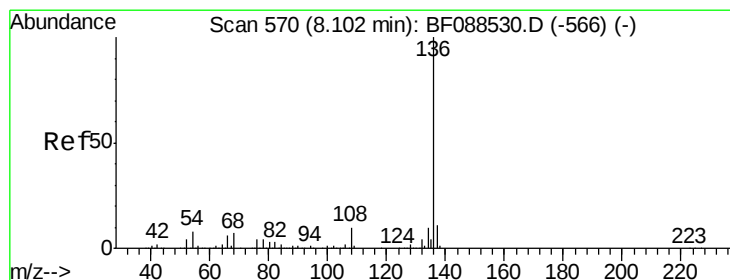
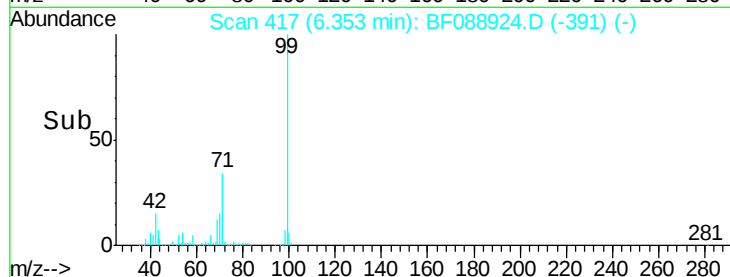
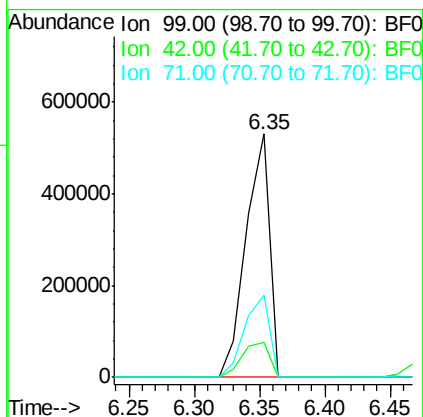
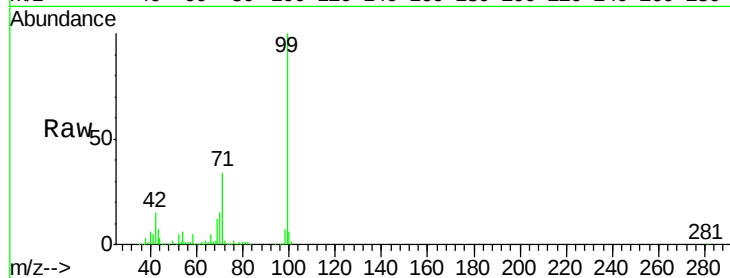
SS-6

Tot Ion:	99	Resp:	667725
Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.2	18.2
71	33.9	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

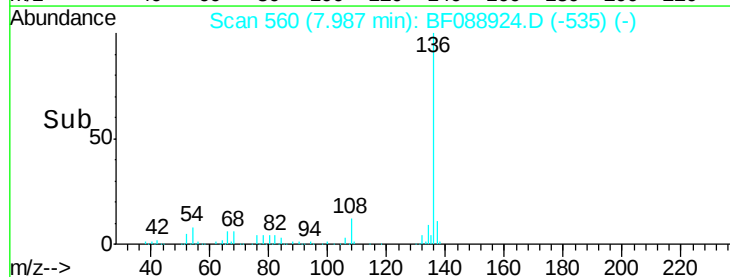
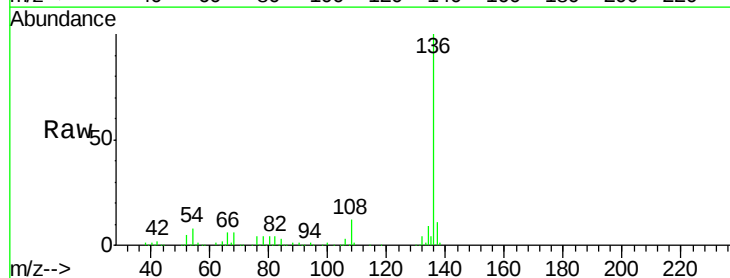
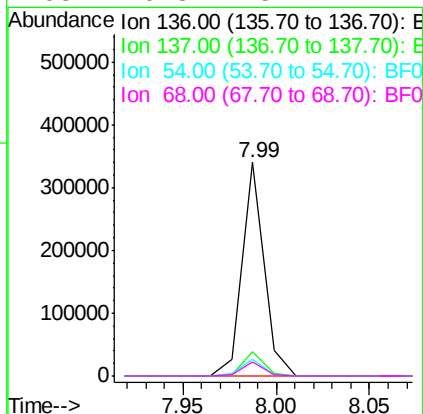
RT: 7.99 min Scan# 560

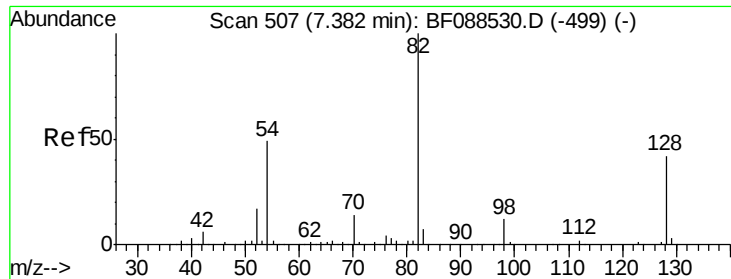
Delta R.T. -0.01 min

Lab File: BF088924.D

Acq: 12 Jul 2016 15:25

Tgt Ion:	136	Resp:	279727
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.1	6.6	10.0
68	6.3	5.1	7.7





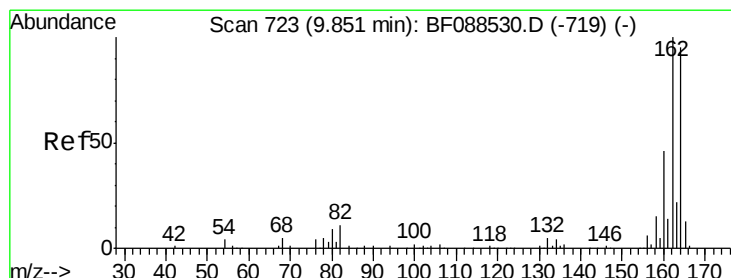
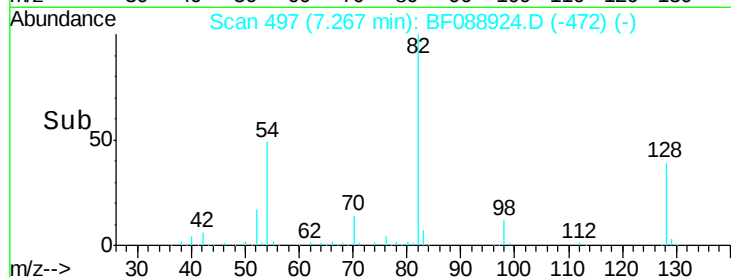
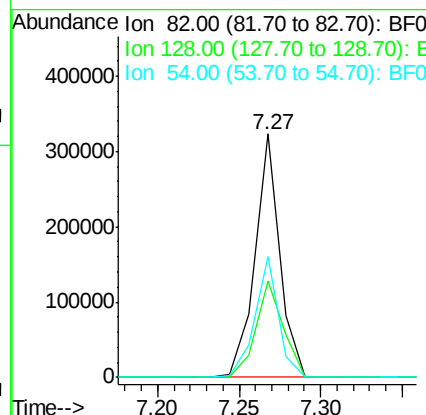
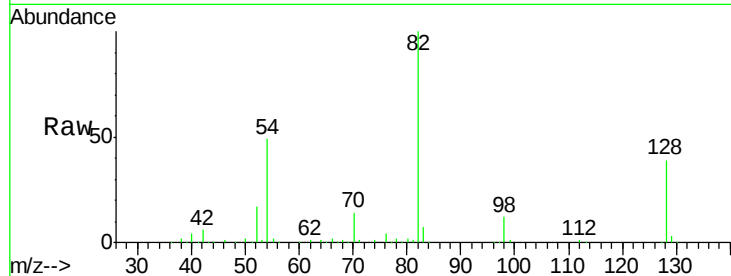
#23
 Nitrobenzene-d5
 Concen: 63.34 ng
 RT: 7.27 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: BF088924.D
 Acq: 12 Jul 2016 15:25

Instrument :
 BNA_F
 ClientSampled :
 SS-6

Tot Ion:	82	Resp:	338075
Ion Ratio	Lower	Upper	
82	100		
128	39.4	35.9	53.9
54	49.4	40.9	61.3

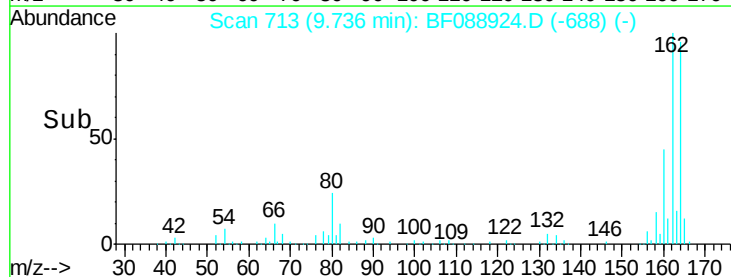
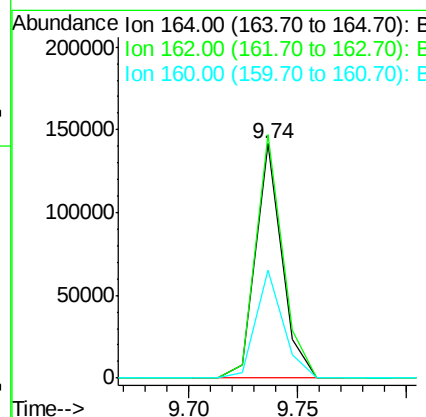
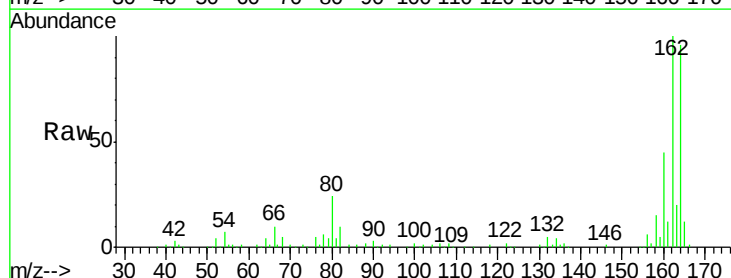
Manual Integrations

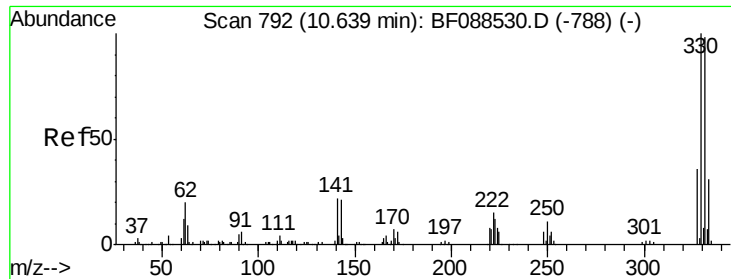
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: BF088924.D
 Acq: 12 Jul 2016 15:25

Tgt Ion:	164	Resp:	118635
Ion Ratio	Lower	Upper	
164	100		
162	103.8	85.4	128.2
160	46.3	39.5	59.3





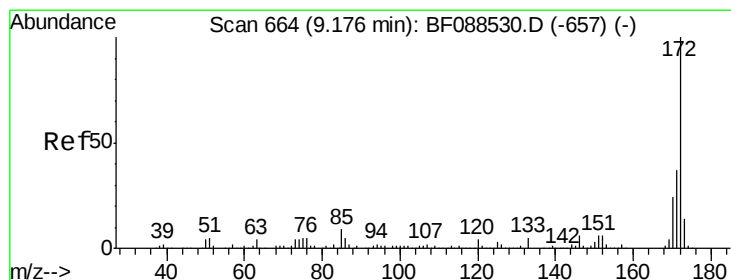
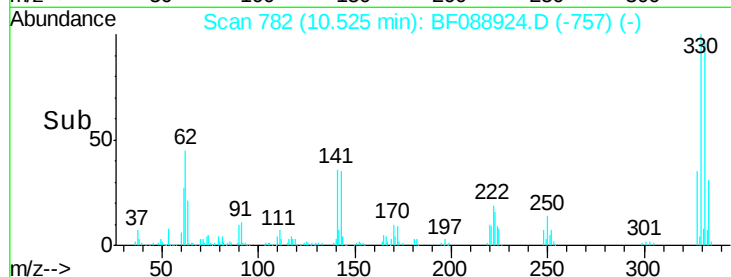
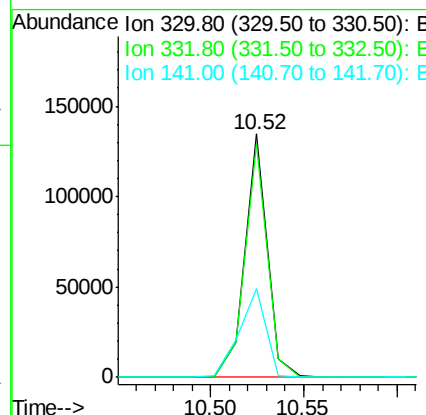
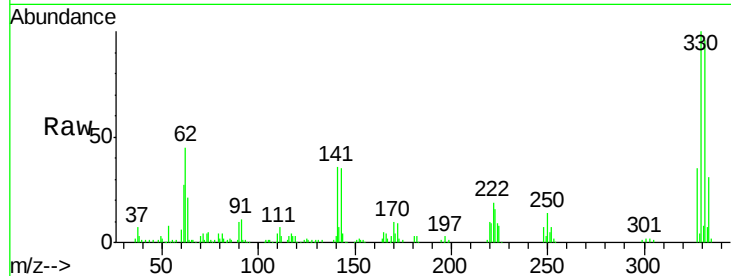
#41
 2,4,6-Tribromophenol
 Concen: 102.95 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF088924.D
 Acq: 12 Jul 2016 15:25

Instrument :
 BNA_F
 ClientSampleId :
 SS-6

Tot Ion	Ratio	Resp	Lower	Upper
330	100	113411		
332	96.1	0.0	0.0	0.0
141	43.2	0.0	0.0	0.0

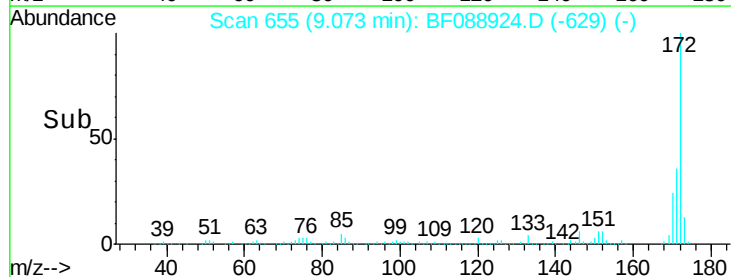
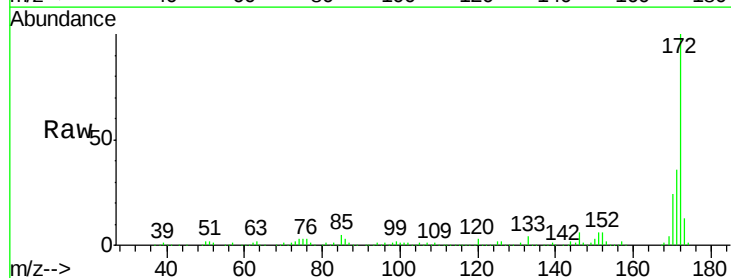
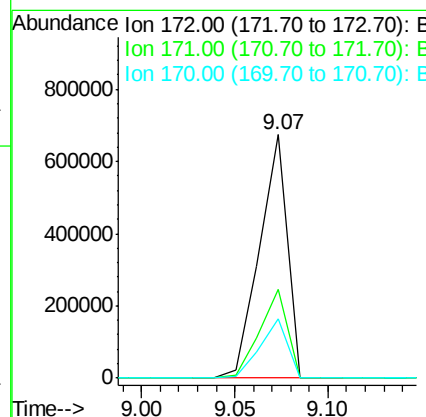
Manual Integrations

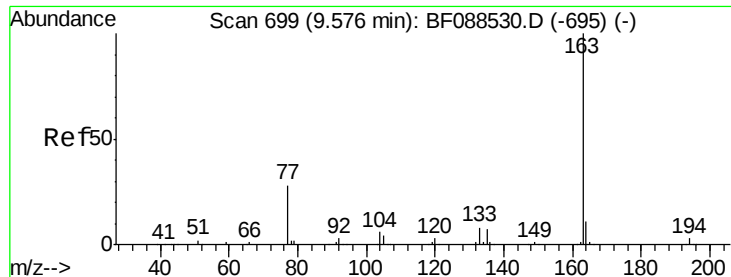
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#44
 2-Fluorobiphenyl
 Concen: 91.96 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: BF088924.D
 Acq: 12 Jul 2016 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	690662		
171	36.2	28.6	43.0	
170	24.1	19.2	28.8	





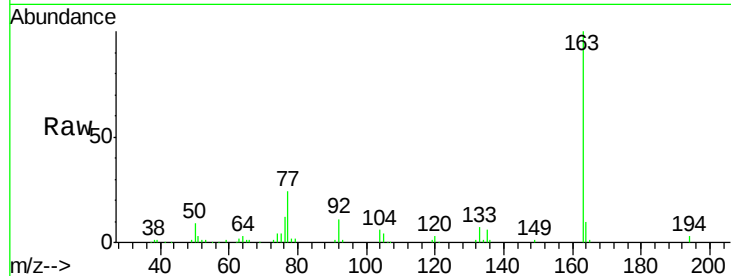
#49
Dimethylphthalate
Concen: 12.80 ng
RT: 9.46 min Scan# 689
Delta R.T. -0.02 min
Lab File: BF088924.D
Acq: 12 Jul 2016 15:25

Instrument :
BNA_F
ClientSampleId :
SS-6

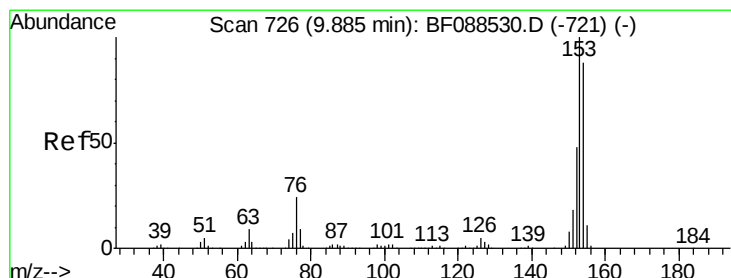
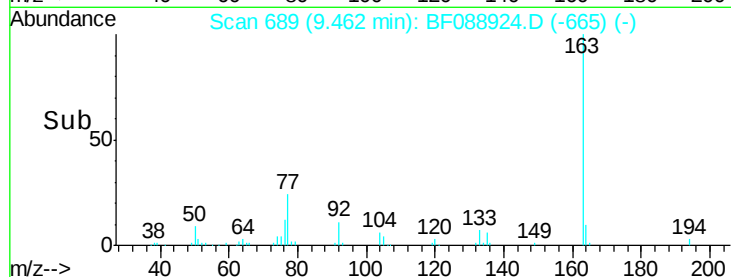
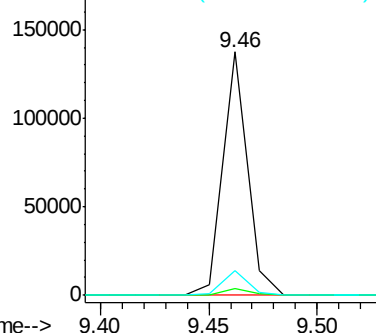
Tot Ion	Ratio	Resp	Lower	Upper
163	100	108169		
194	3.1		2.8	4.2
164	9.9		8.3	12.5

Manual Integrations

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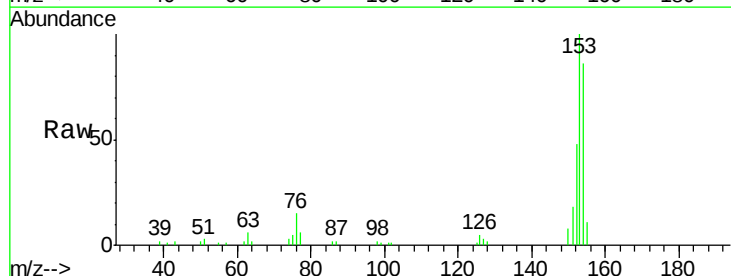


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

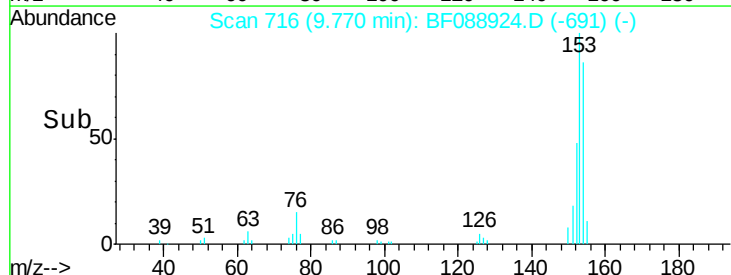
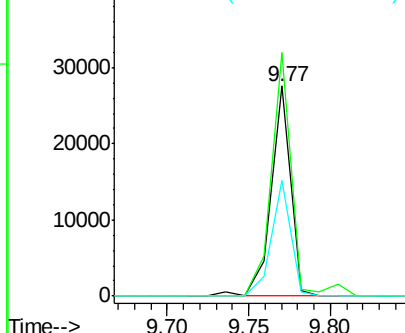


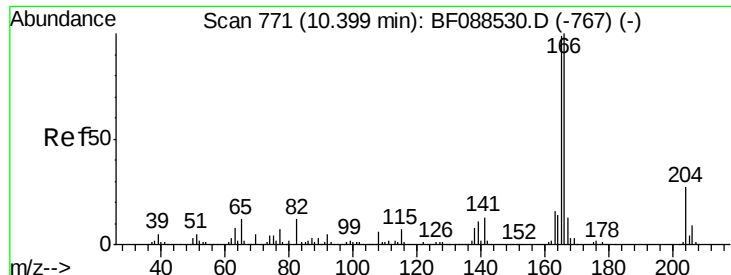
#51
Acenaphthene
Concen: 3.05 ng
RT: 9.77 min Scan# 716
Delta R.T. -0.01 min
Lab File: BF088924.D
Acq: 12 Jul 2016 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	22955		
153	115.8		89.5	134.3
152	55.0		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





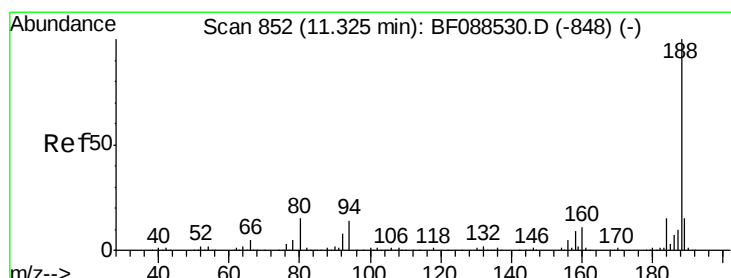
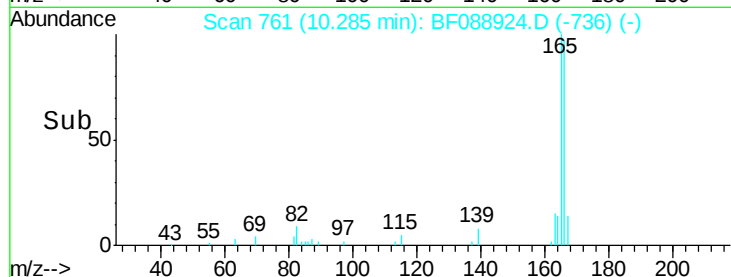
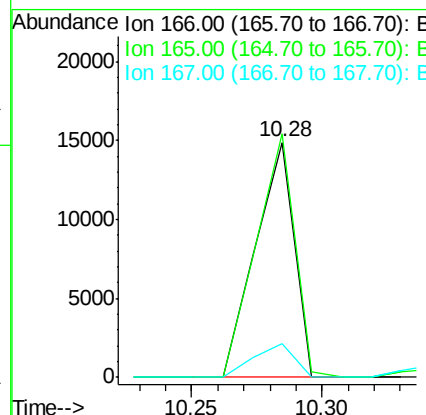
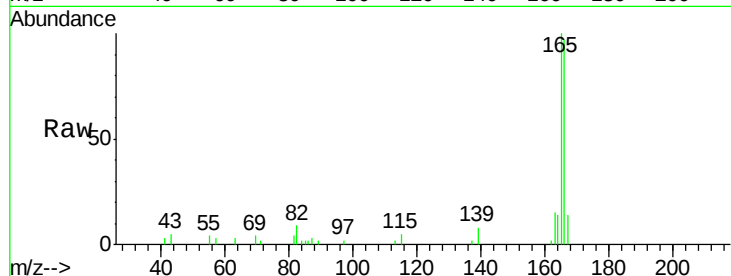
#57
Fluorene
 Concen: 2.04 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF088924.D
 Acq: 12 Jul 2016 15:25

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		15461		
165	103.5	77.8	116.8		
167	14.1	11.2	16.8		

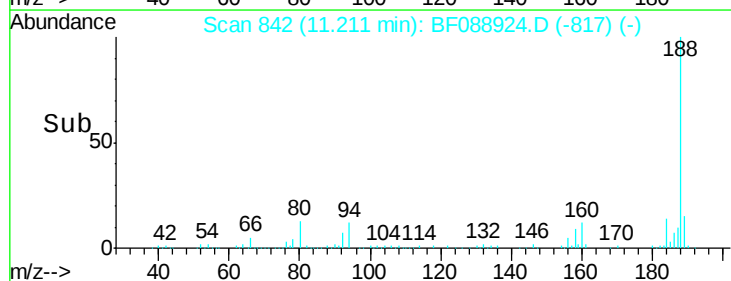
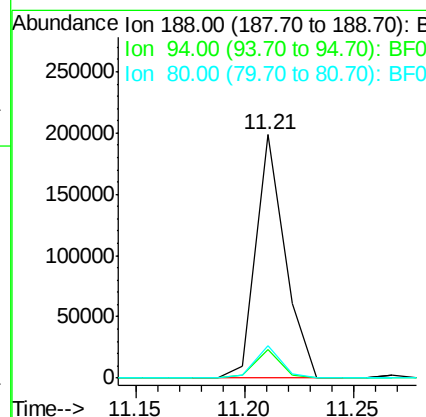
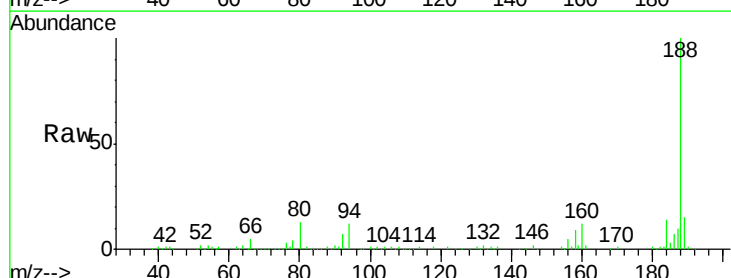
Manual Integrations

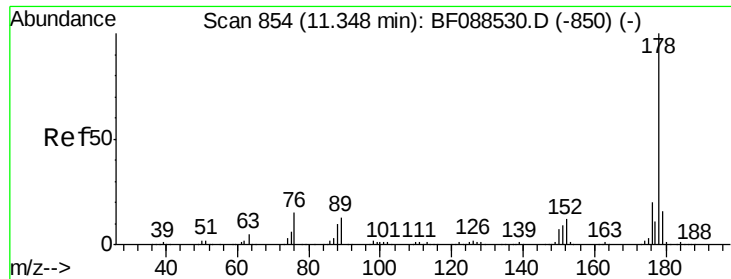
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF088924.D
 Acq: 12 Jul 2016 15:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		184748		
94	11.5	9.0	13.6		
80	13.2	10.0	15.0		





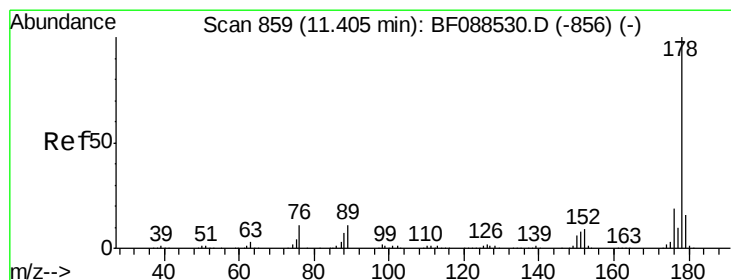
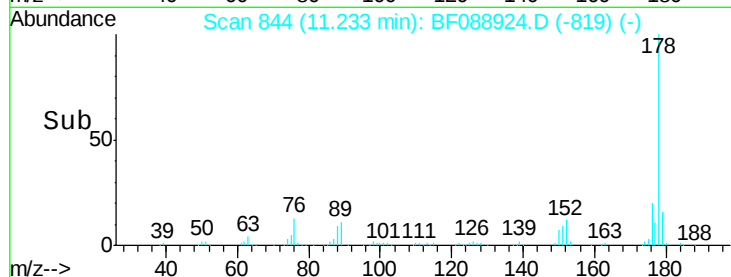
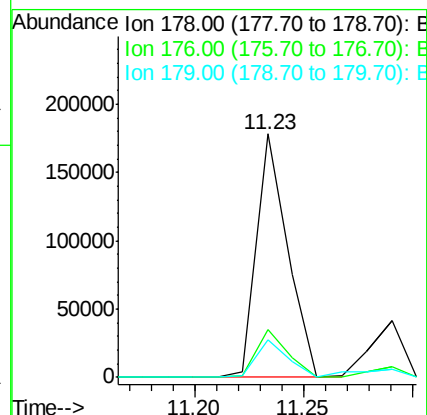
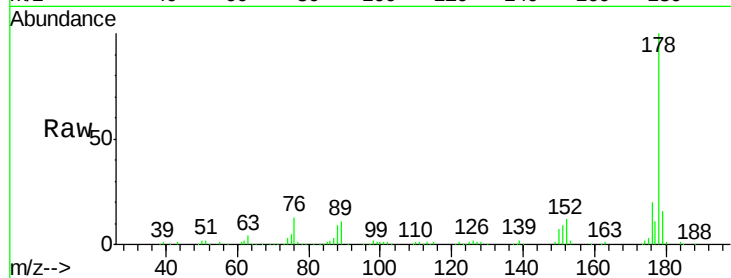
#70
Phenanthrene
Concen: 17.62 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF088924.D
Acq: 12 Jul 2016 15:25

Instrument :
BNA_F
ClientSampleId :
SS-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	15.6	13.0	19.4

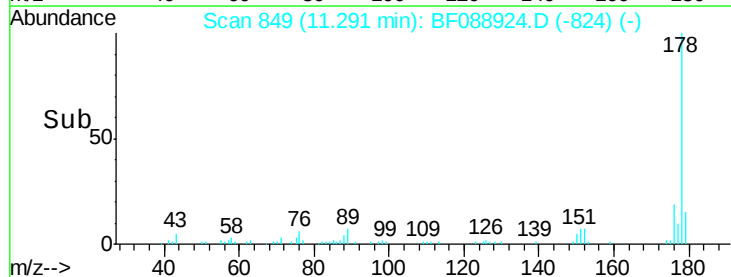
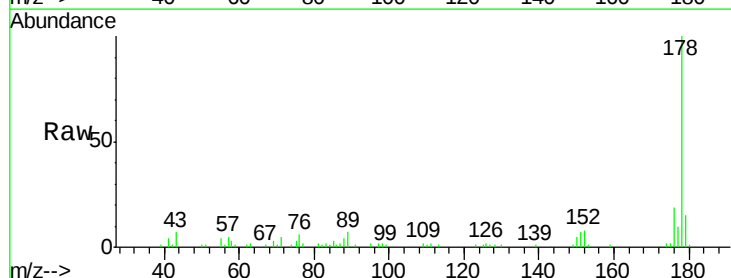
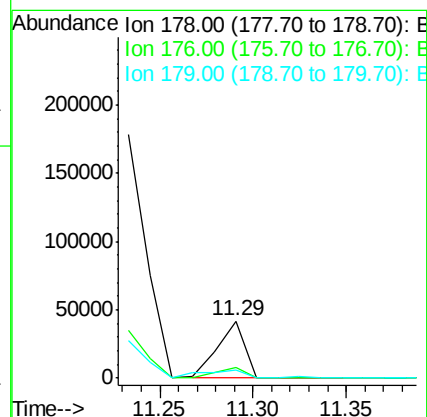
Manual Integrations

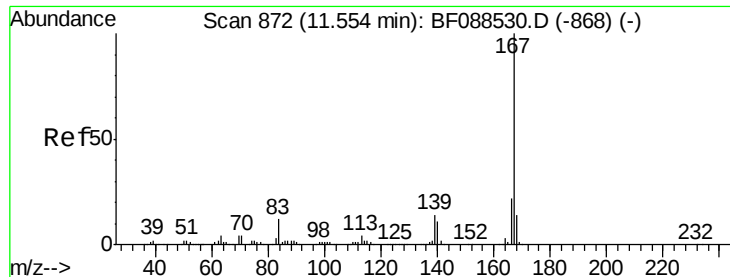
SOHIL
7/13/2016 9:25:34 AM



#71
Anthracene
Concen: 4.23 ng
RT: 11.29 min Scan# 849
Delta R.T. -0.01 min
Lab File: BF088924.D
Acq: 12 Jul 2016 15:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.6	23.4
179	14.9	12.8	19.2





#72

Carbazole

Concen: 2.94 ng

RT: 11.44 min Scan# 862

Delta R.T. -0.01 min

Lab File: BF088924.D

Acq: 12 Jul 2016 15:25

Instrument :

BNA_F

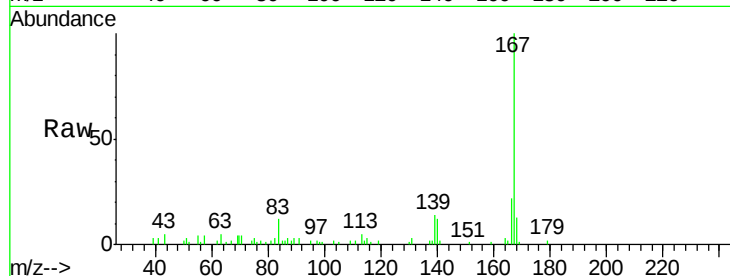
ClientSampleId :

SS-6

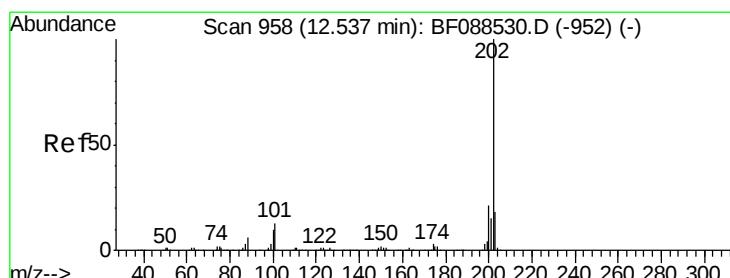
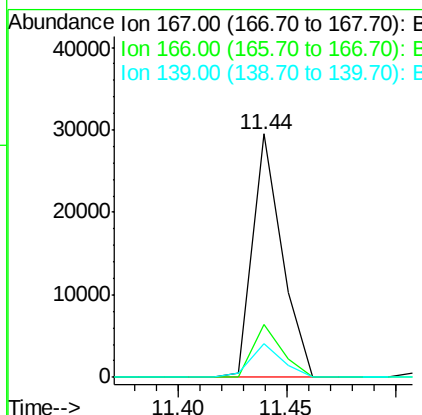
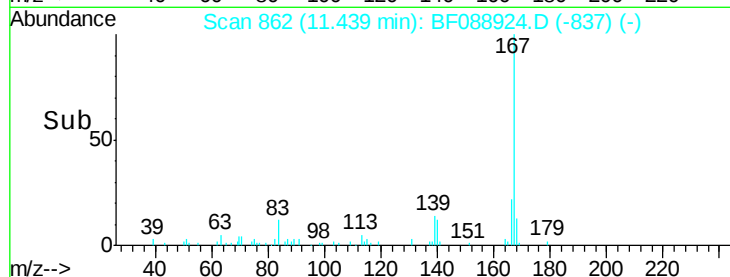
Manual Integrations

SOHIL

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Tot Ion:	167	Resp:	27756
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.8	26.6
139	14.0	11.2	16.8



#74

Fluoranthene

Concen: 25.79 ng

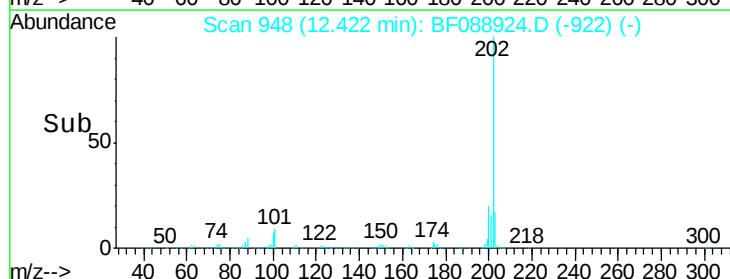
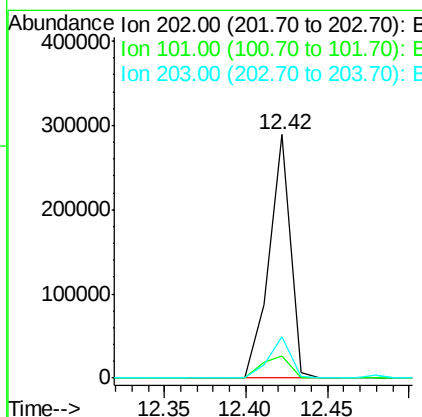
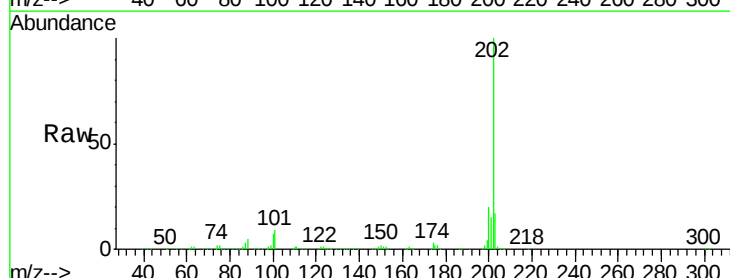
RT: 12.42 min Scan# 948

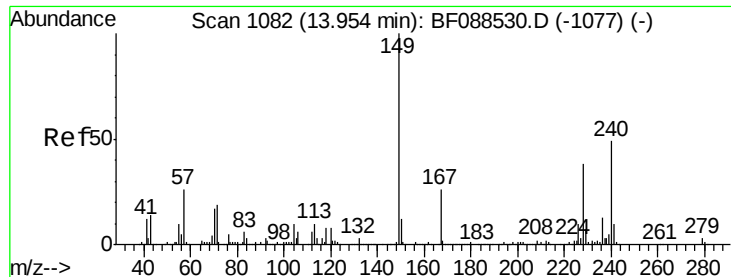
Delta R.T. -0.00 min

Lab File: BF088924.D

Acq: 12 Jul 2016 15:25

Tgt Ion:	202	Resp:	264019
Ion Ratio	Lower	Upper	
202	100		
101	9.2	0.0	33.1
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088924.D

Acq: 12 Jul 2016 15:25

Instrument :

BNA_F

ClientSampleId :

SS-6

Tot Ion:240 Resp: 147667

Ion Ratio Lower Upper

240 100

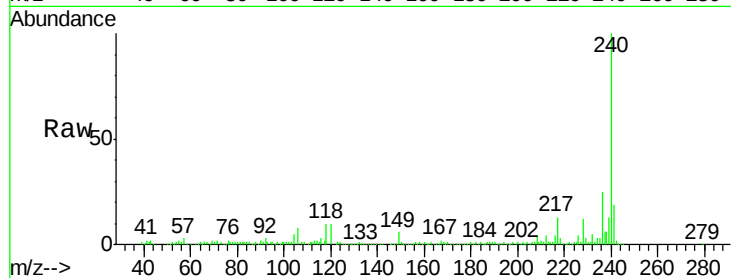
120 10.4 6.8 10.2#

236 24.9 20.2 30.2

Manual Integrations

SOHIL

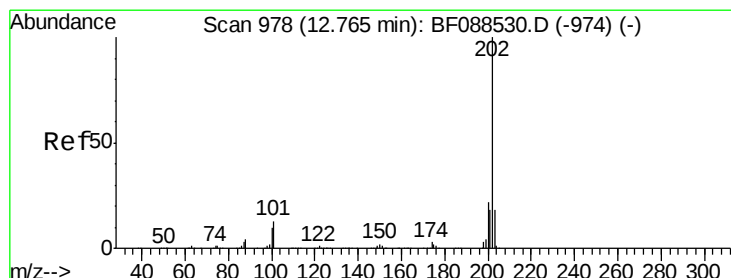
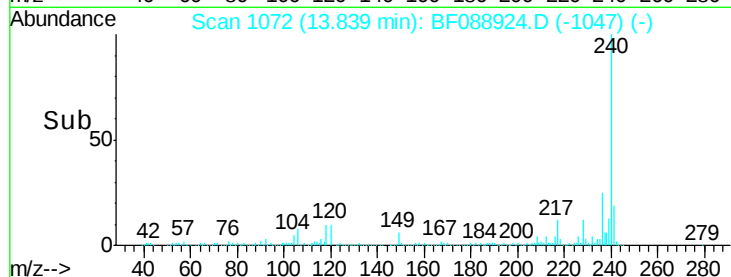
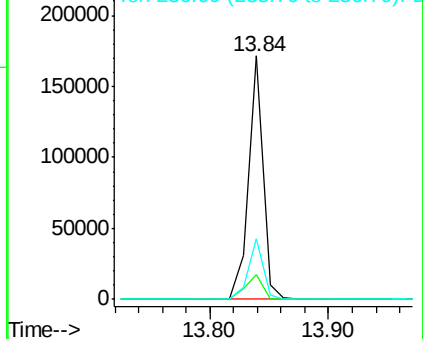
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 15.58 ng m

RT: 12.64 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF088924.D

Acq: 12 Jul 2016 15:25

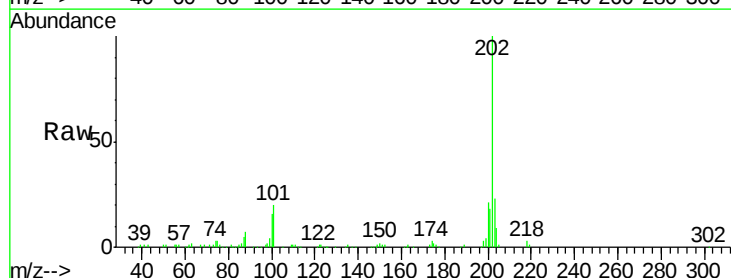
Tgt Ion:202 Resp: 195112

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

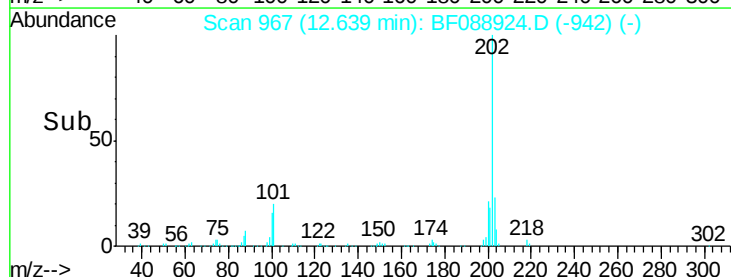
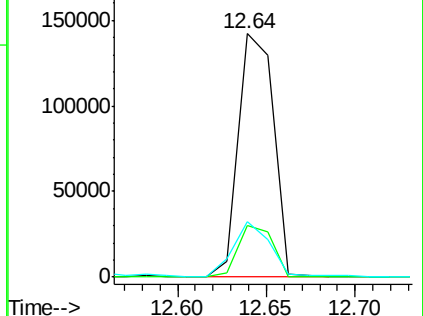
203 22.9 14.5 21.7#

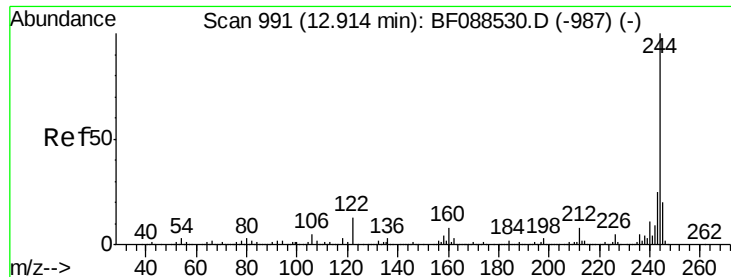


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.22 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.00 min

Lab File: BF088924.D

Acq: 12 Jul 2016 15:25

Instrument :

BNA_F

ClientSampleId :

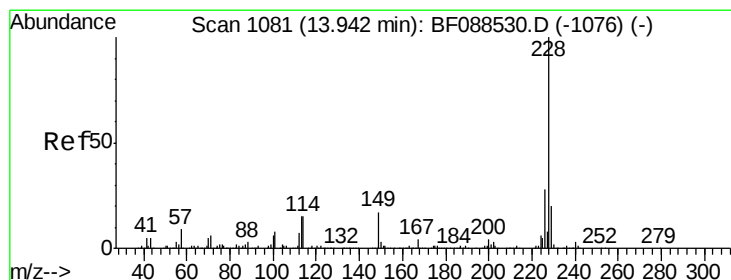
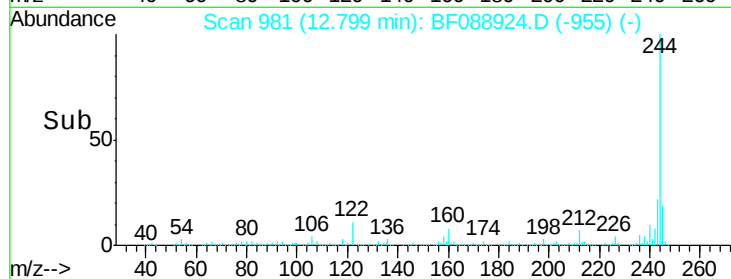
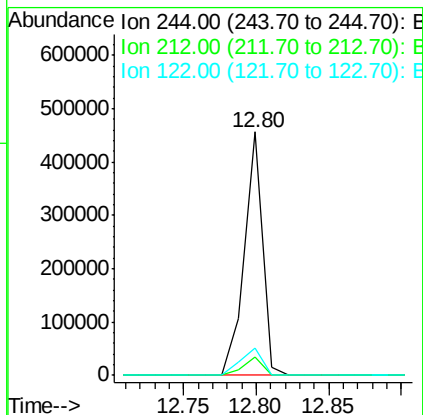
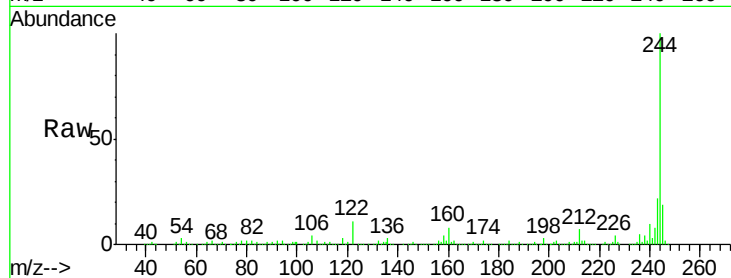
SS-6

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	11.2	11.2	16.8

Manual Integrations

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#80

Benzo(a)anthracene

Concen: 13.36 ng

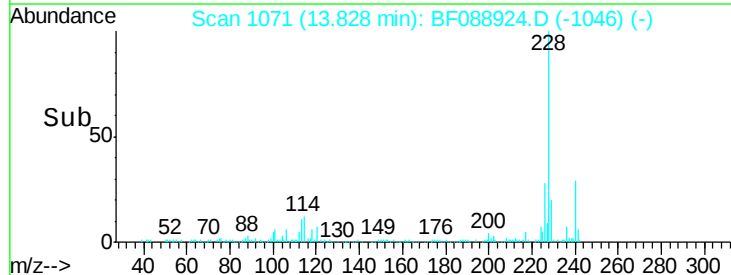
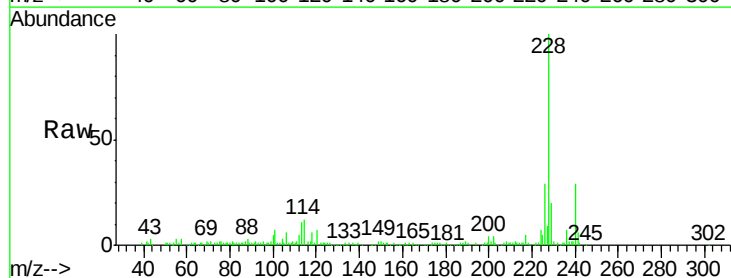
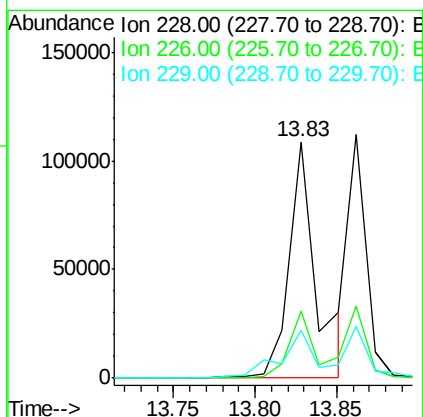
RT: 13.83 min Scan# 1071

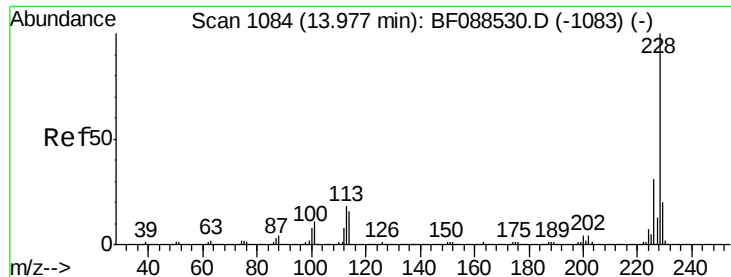
Delta R.T. -0.01 min

Lab File: BF088924.D

Acq: 12 Jul 2016 15:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.3	33.5
229	20.3	16.0	24.0





#82

Chrysene

Concen: 9.23 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF088924.D

Acq: 12 Jul 2016 15:25

Instrument :

BNA_F

ClientSampled :

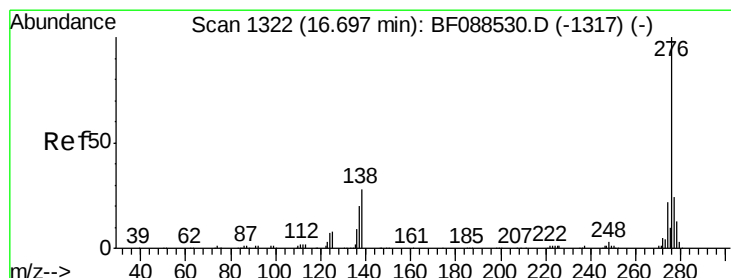
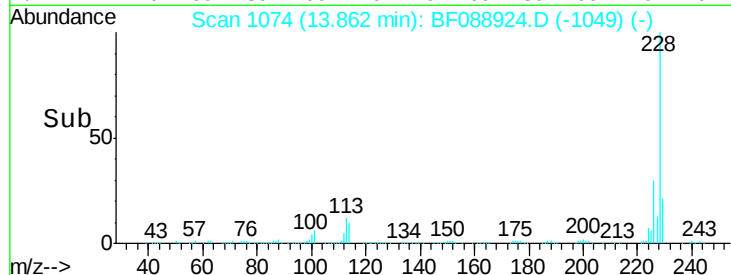
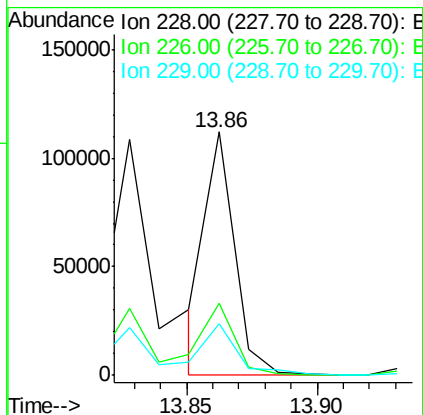
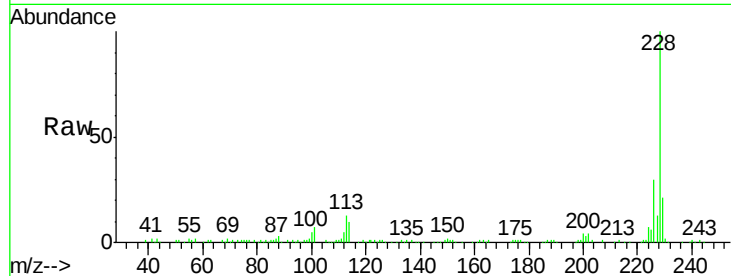
SS-6

Tot Ion:	228	Resp:	86797
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.4	38.2
229	21.4	16.3	24.5

Manual Integrations

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.20 ng

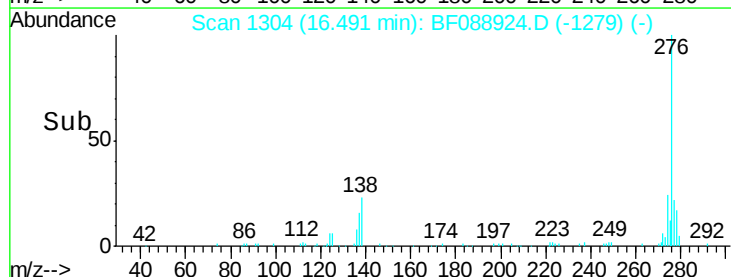
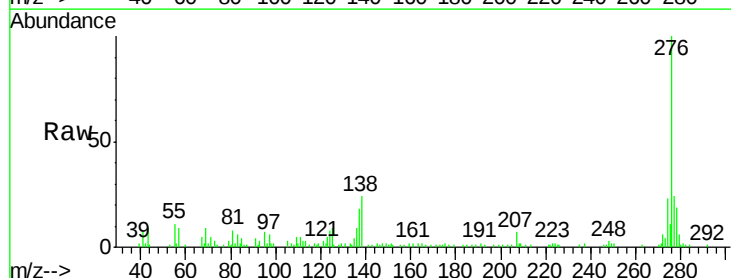
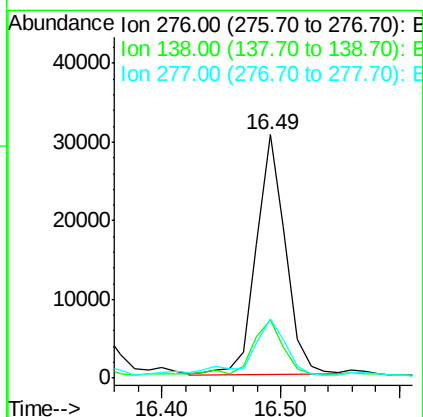
RT: 16.49 min Scan# 1304

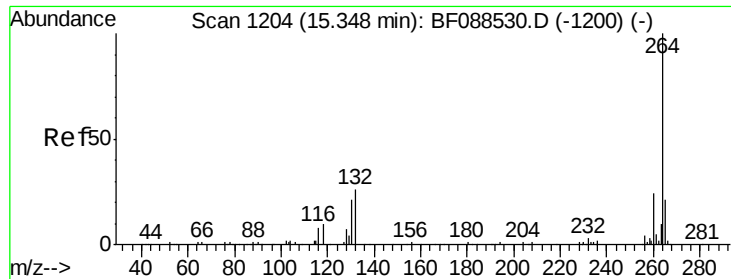
Delta R.T. -0.01 min

Lab File: BF088924.D

Acq: 12 Jul 2016 15:25

Tgt Ion:	276	Resp:	52115
Ion Ratio	Lower	Upper	
276	100		
138	27.4	0.0	0.0#
277	30.6	0.0	0.0#





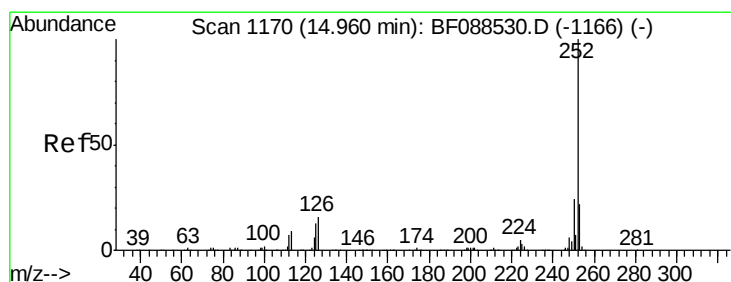
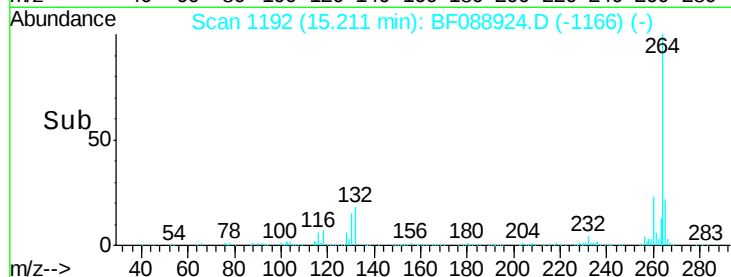
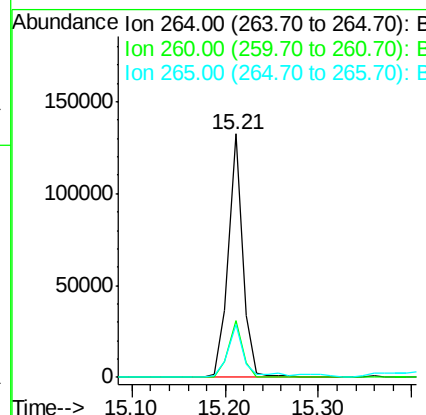
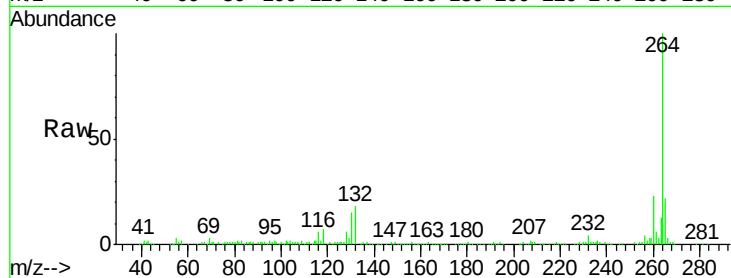
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BF088924.D
Acq: 12 Jul 2016 15:25

Instrument :
BNA_F
ClientSampleId :
SS-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.9	16.9	25.3

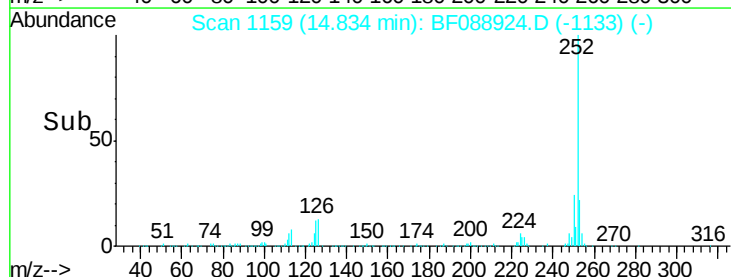
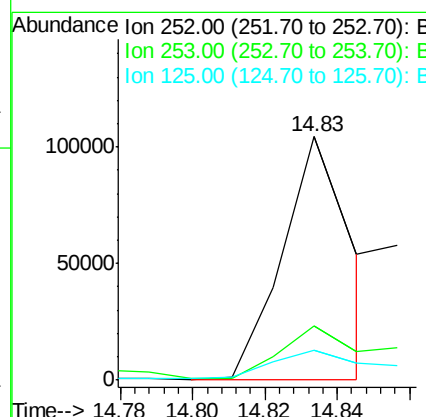
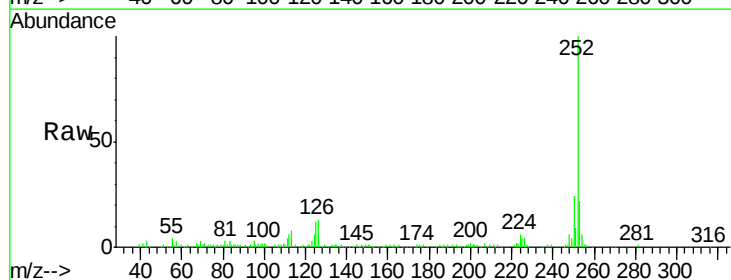
Manual Integrations

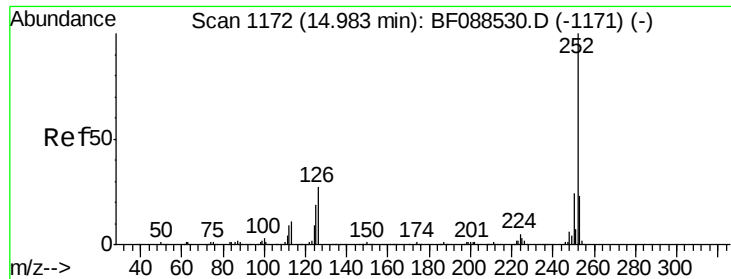
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#87
Benzo(b)fluoranthene
Concen: 15.08 ng m
RT: 14.83 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BF088924.D
Acq: 12 Jul 2016 15:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	12.5	7.1	10.7





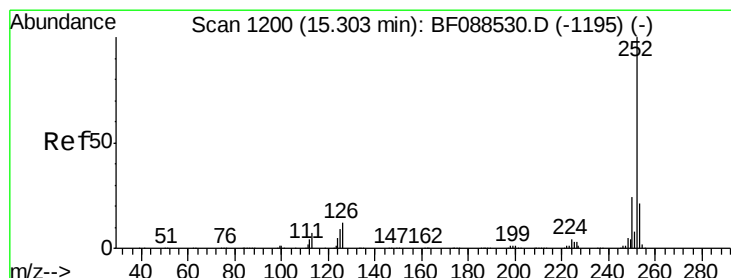
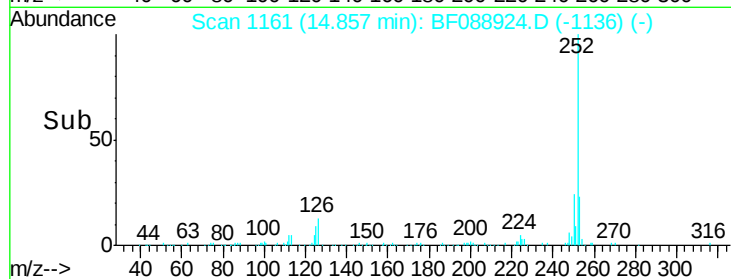
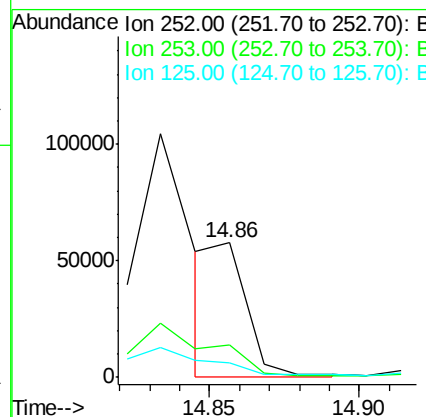
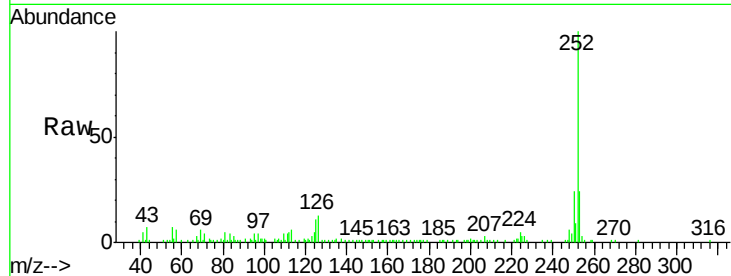
#88
Benzo(k)fluoranthene
Concen: 5.71 ng m
RT: 14.86 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF088924.D
Acq: 12 Jul 2016 15:25

Instrument :
BNA_F
ClientSampled :
SS-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	10.7	11.2	16.8

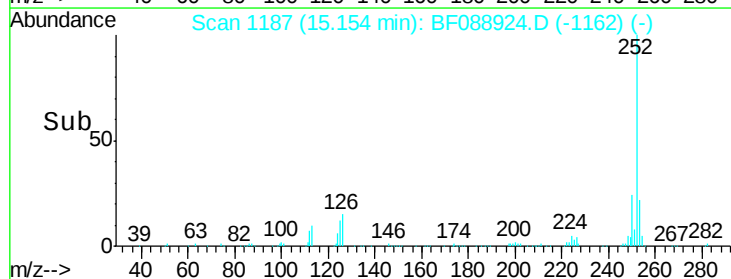
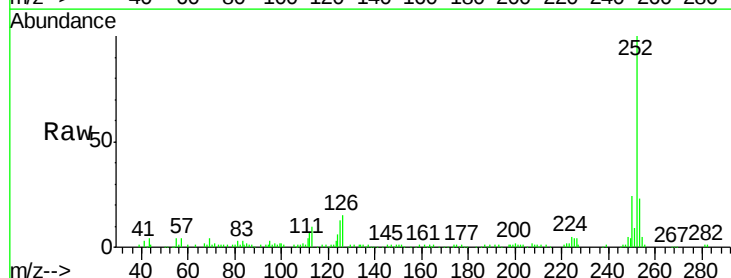
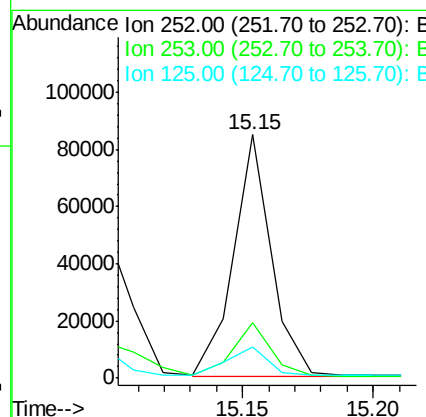
Manual Integrations

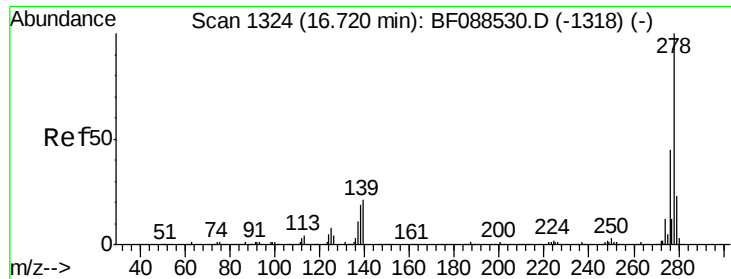
APPROVED
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#89
Benzo(a)pyrene
Concen: 11.30 ng
RT: 15.15 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF088924.D
Acq: 12 Jul 2016 15:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	12.9	12.5	18.7





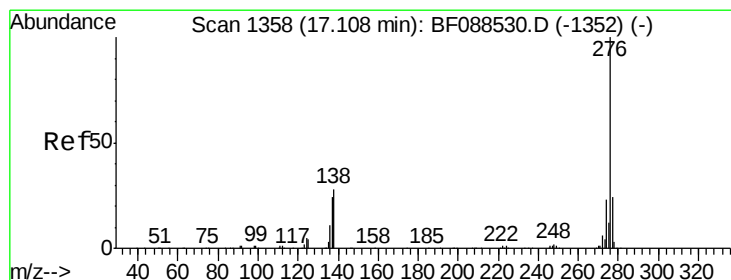
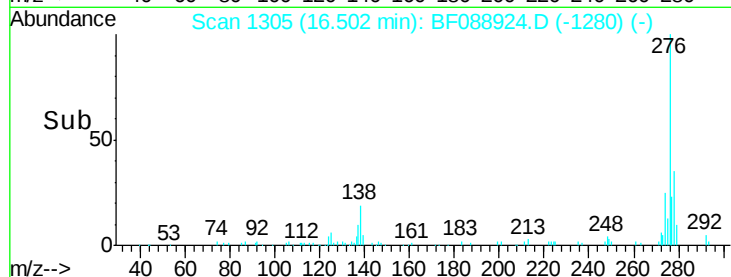
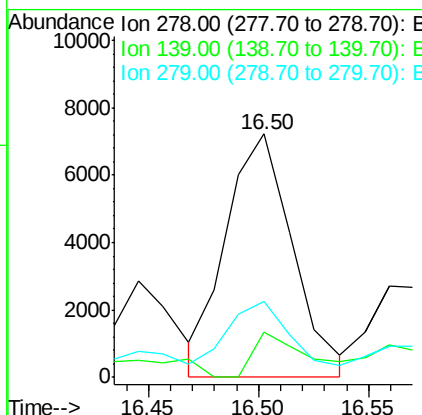
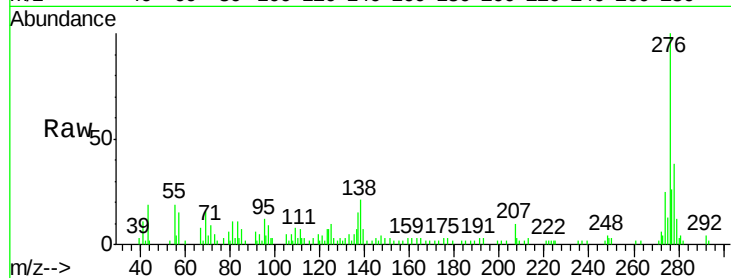
#90
Dibenzo(a,h)anthracene
Concen: 2.38 ng m
RT: 16.50 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF088924.D
Acq: 12 Jul 2016 15:25

Instrument :
BNA_F
ClientSampled :
SS-6

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.7	15.7	23.5
279	31.3	19.4	29.2

Manual Integrations

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7/13/2016 9:25:34 AM



#91
Benzo(g,h,i)perylene
Concen: 7.20 ng
RT: 16.88 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF088924.D
Acq: 12 Jul 2016 15:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.9	28.3
138	22.4	21.4	32.2

