

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
 Data File : BF088994.D
 Acq On : 14 Jul 2016 19:18
 Operator : UM/SJ
 Sample : H3996-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B7-B2(0-5)C

Manual Integrations

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 7/15/2016 9:16:26 AM

Quant Time: Jul 15 03:10:42 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	6.68	152	62165	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	216571	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	95321	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	147956	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	111068	20.00	ng	-0.03
86) Perylene-d12	15.18	264	96804	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	380941	91.84	ng	-0.01
7) Phenol-d6	6.34	99	542591	101.24	ng	-0.01
23) Nitrobenzene-d5	7.26	82	359087	86.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	69990	79.07	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	572185	94.82	ng	-0.02
78) Terphenyl-d14	12.78	244	343981	68.98	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	91987	13.55	ng	99
70) Phenanthrene	11.21	178	16437	2.03	ng	99
74) Fluoranthene	12.39	202	35457	4.32	ng	96
77) Pyrene	12.62	202	32718	3.47	ng	99
80) Benzo(a)anthracene	13.81	228	20363	2.85	ng	93
82) Chrysene	13.84	228	20235	2.86	ng	97
83) Bis(2-ethylhexyl)phthalate	13.82	149	13147	2.74	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.45	276	14037	2.58	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	30609m	5.04	ng	
88) Benzo(k)fluoranthene	14.81	252	13355m	2.53	ng	
89) Benzo(a)pyrene	15.12	252	19450	3.78	ng	96
91) Benzo(a,h,i)perylene	16.83	276	14696	3.31	ng	95

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

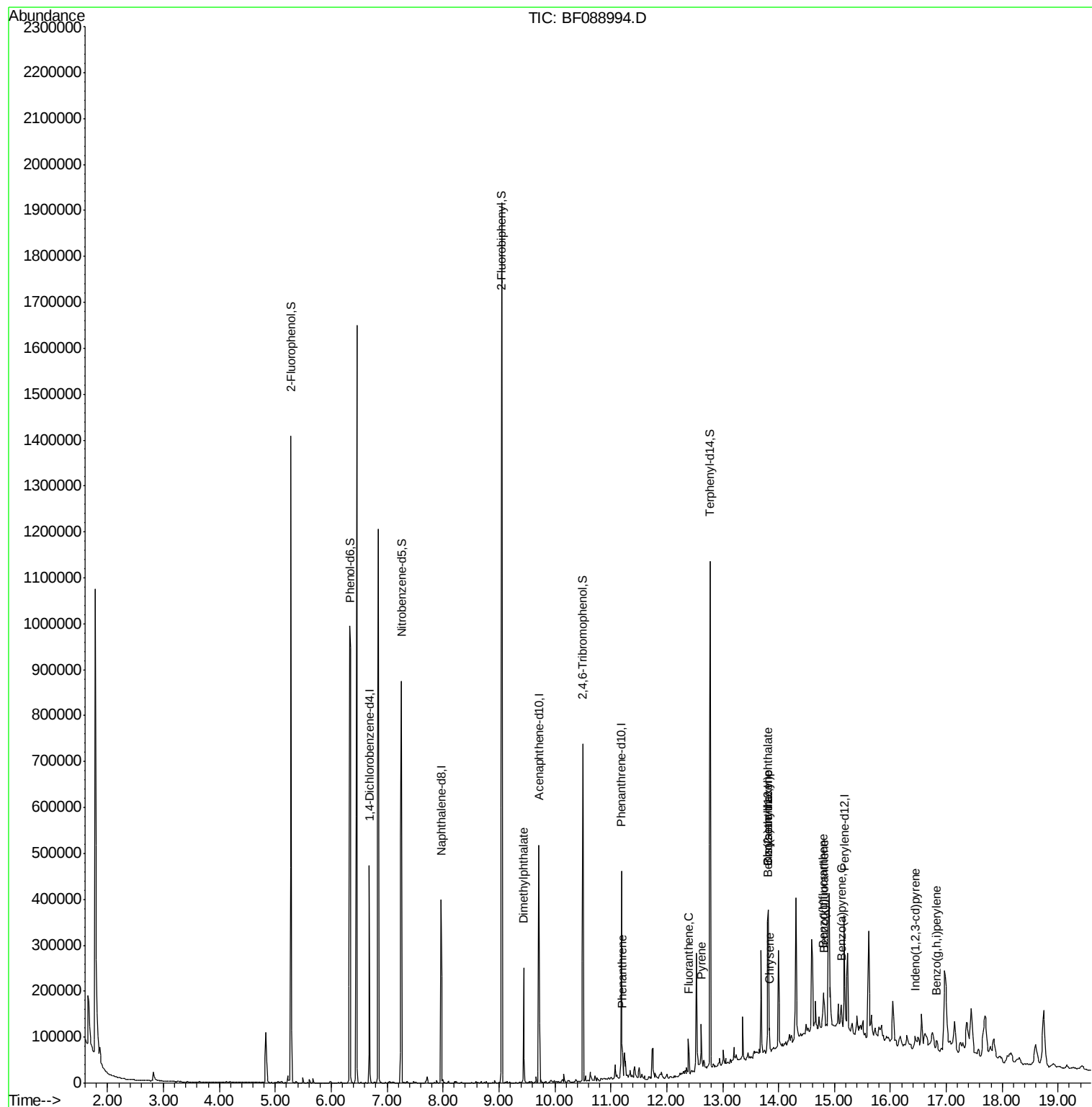
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
Data File : BF088994.D
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ALS Vial : 6 Sample Multiplier: 1

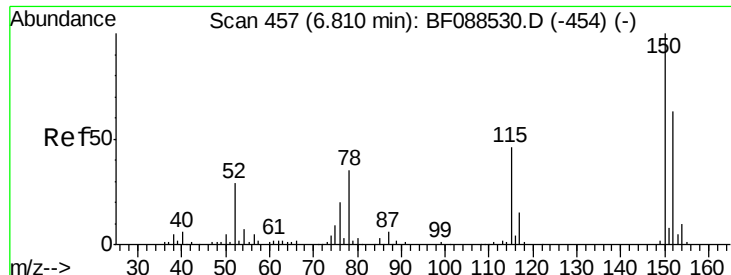
Instrument :
BNA_F
ClientSampleId :
B7-B2(0-5)C

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Quant Time: Jul 15 03:10:42 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF088994.D

Acq: 14 Jul 2016 19:18

Instrument :

BNA_F

ClientSampleId :

B7-B2(0-5)C

Tot Ion:152 Resp: 62165

Ion Ratio Lower Upper

152 100

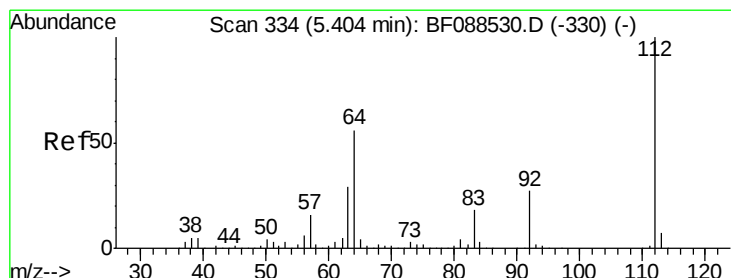
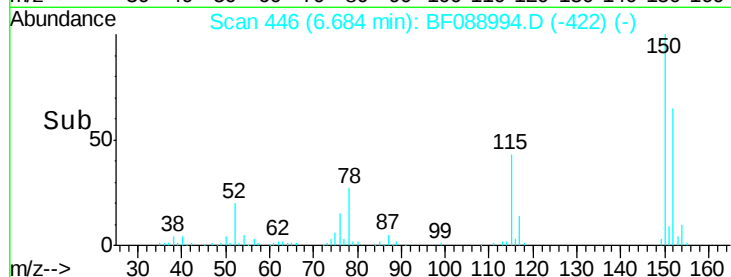
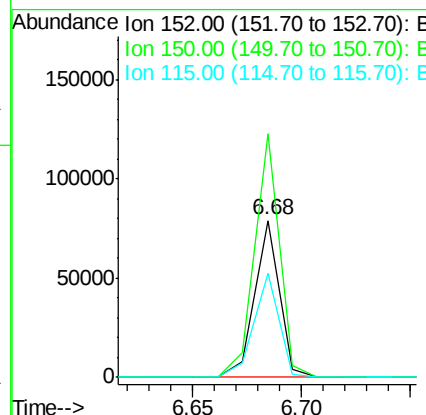
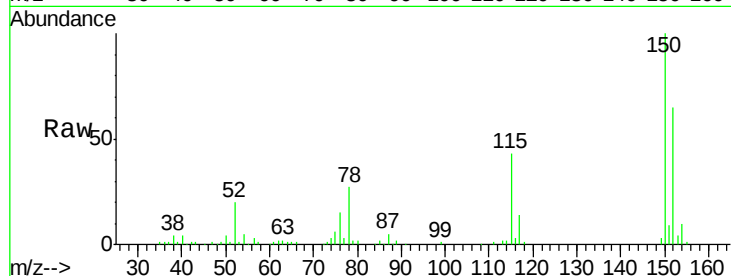
150 155.0 123.8 185.6

115 66.5 39.6 59.4#

Manual Integrations

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#5

2-Fluorophenol

Concen: 91.84 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.01 min

Lab File: BF088994.D

Acq: 14 Jul 2016 19:18

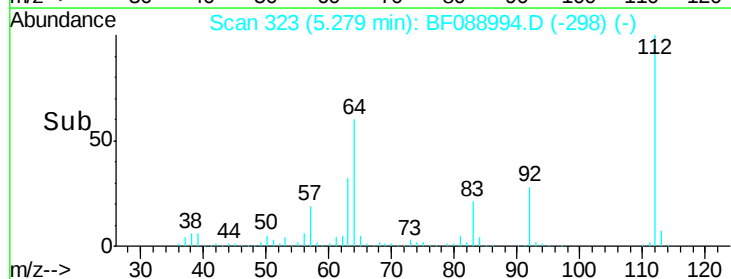
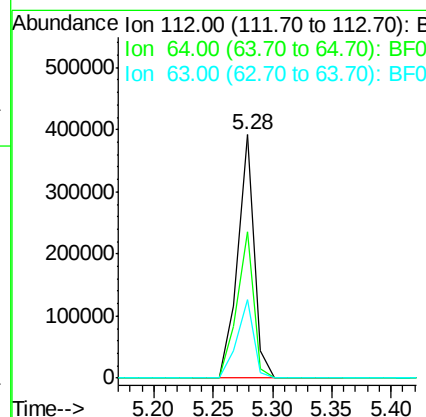
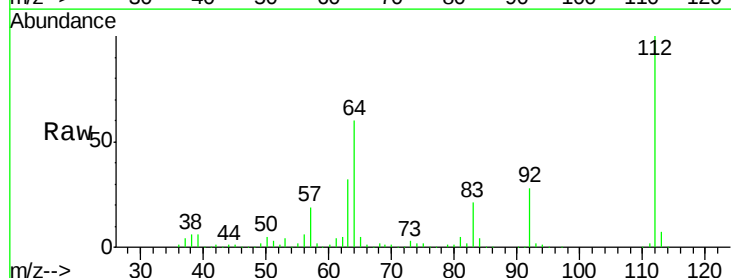
Tgt Ion:112 Resp: 380941

Ion Ratio Lower Upper

112 100

64 59.8 42.2 63.2

63 32.3 21.8 32.8





#7

Phenol-d6

Concen: 101.24 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088994.D

Acq: 14 Jul 2016 19:18

Instrument :

BNA_F

ClientSampleId :

B7-B2(0-5)C

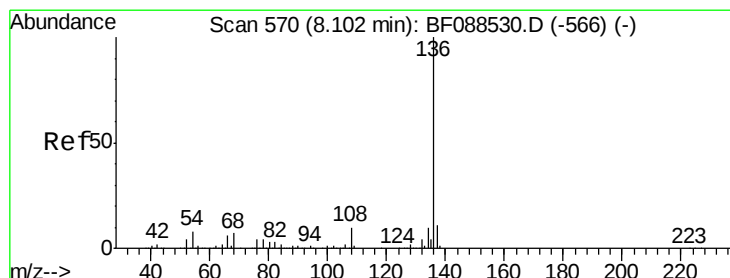
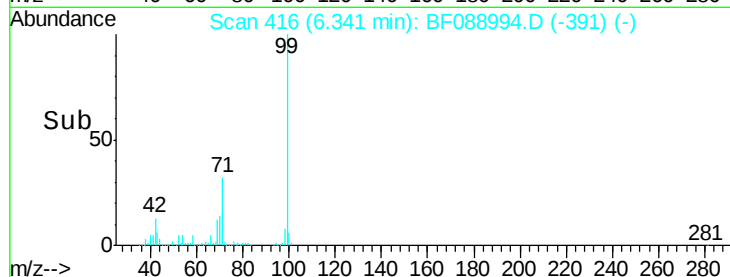
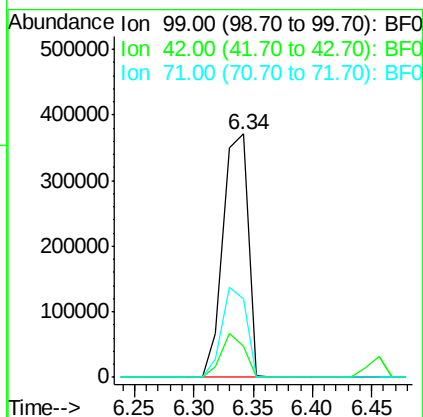
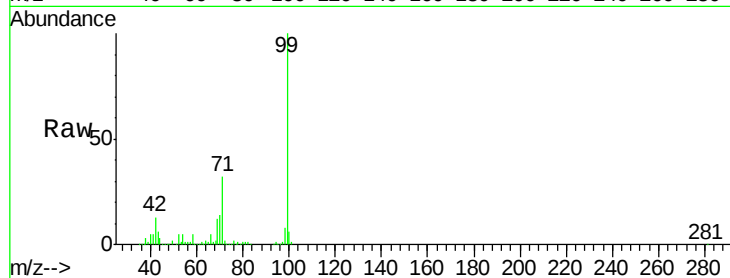
Tot Ion:	99	Resp:	542591
Ion	Ratio	Lower	Upper
99	100		
42	12.8	12.2	18.2
71	32.5	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

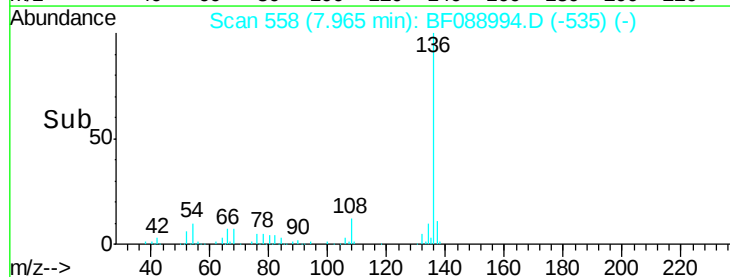
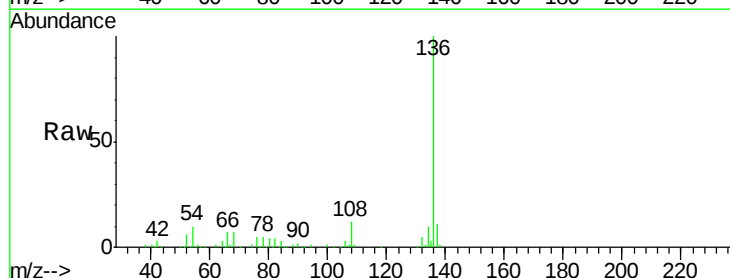
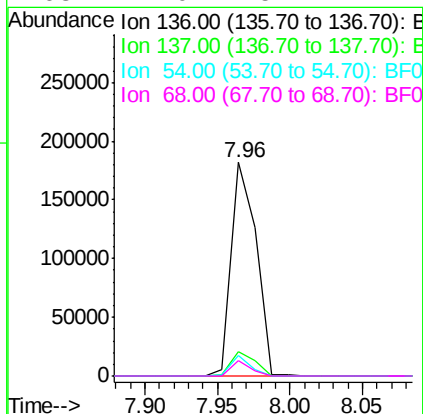
RT: 7.96 min Scan# 558

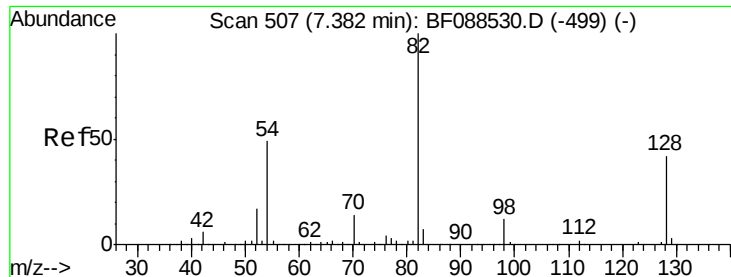
Delta R.T. -0.03 min

Lab File: BF088994.D

Acq: 14 Jul 2016 19:18

Tgt Ion:	136	Resp:	216571
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	9.7	6.6	10.0
68	7.0	5.1	7.7





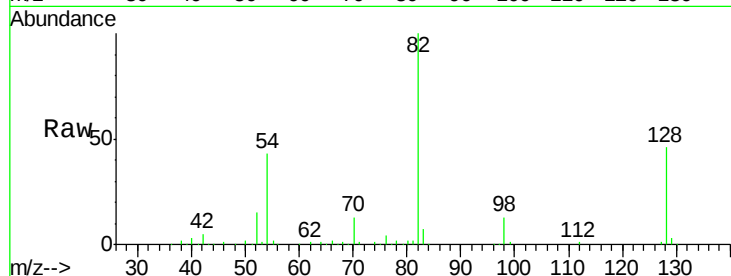
#23
 Nitrobenzene-d5
 Concen: 86.89 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF088994.D
 Acq: 14 Jul 2016 19:18

Instrument :
 BNA_F
 ClientSampleId :
 B7-B2(0-5)C

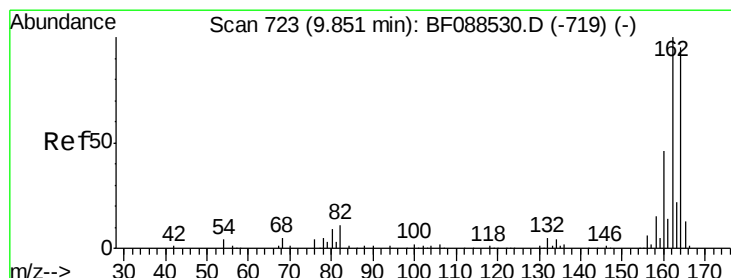
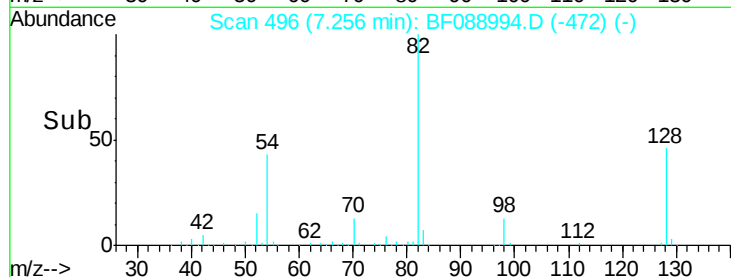
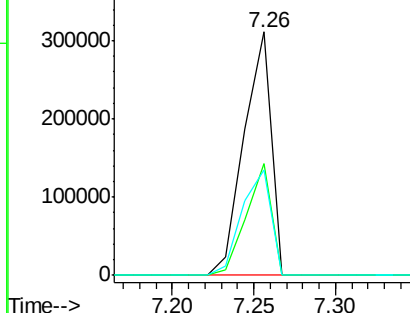
Tot Ion:	82	Resp:	359087
Ion Ratio	Lower	Upper	
82	100		
128	45.9	35.9	53.9
54	43.3	40.9	61.3

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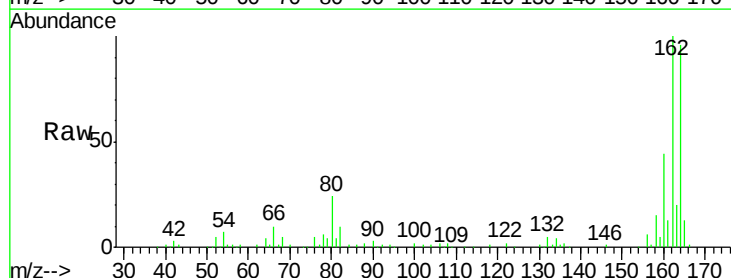


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

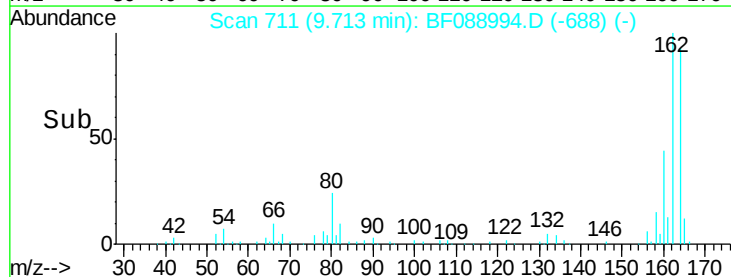
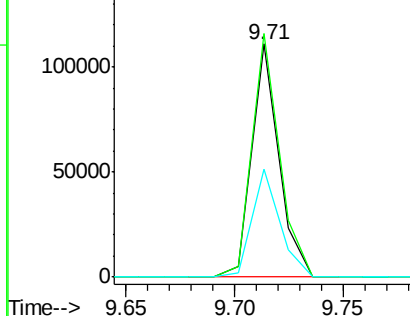


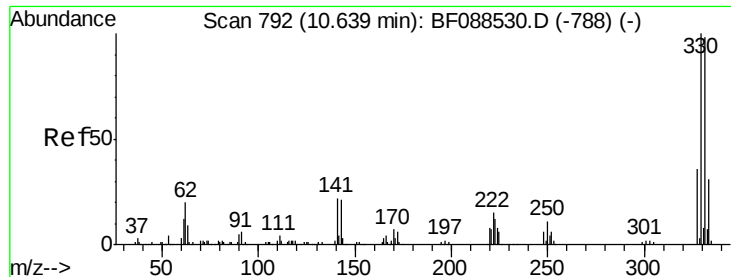
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF088994.D
 Acq: 14 Jul 2016 19:18

Tgt Ion:	164	Resp:	95321
Ion Ratio	Lower	Upper	
164	100		
162	104.5	85.4	128.2
160	46.2	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





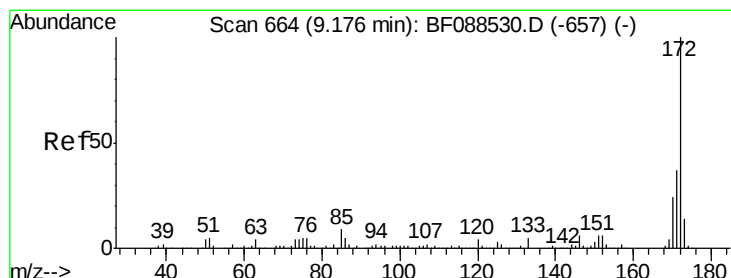
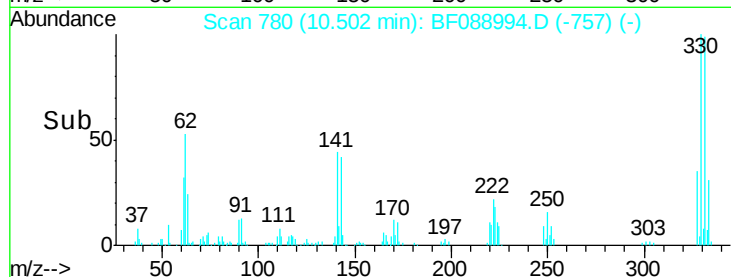
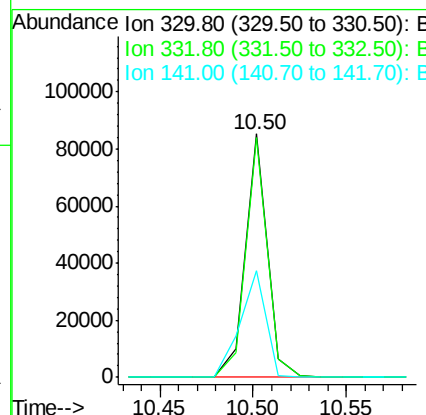
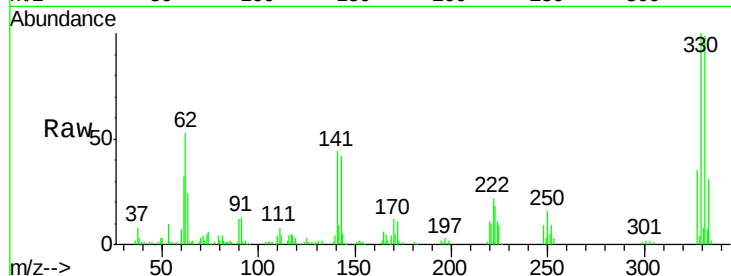
#41
 2,4,6-Tribromophenol
 Concen: 79.07 ng
 RT: 10.50 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: BF088994.D
 Acq: 14 Jul 2016 19:18

Instrument :
 BNA_F
 ClientSampleId :
 B7-B2(0-5)C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	69990		
332	97.8	0.0	0.0	0.0
141	51.6	0.0	0.0	0.0

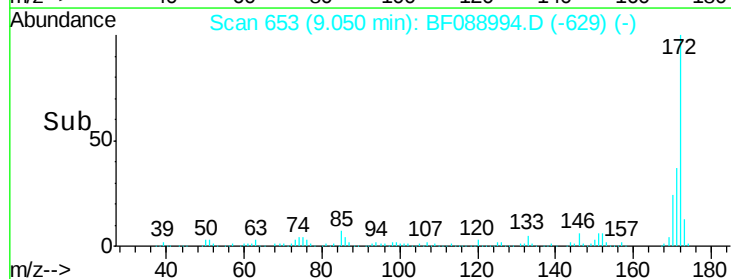
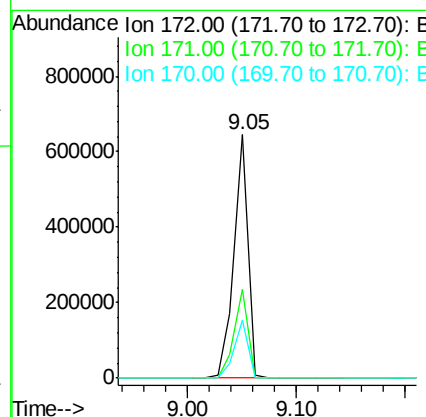
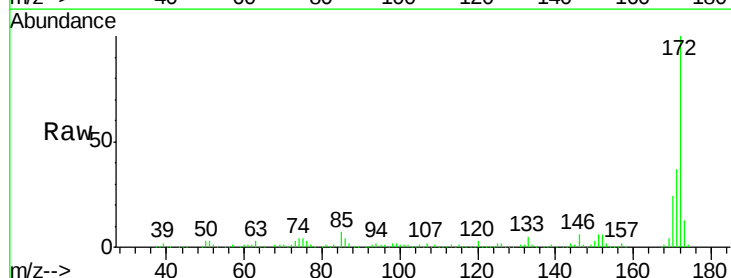
Manual Integrations

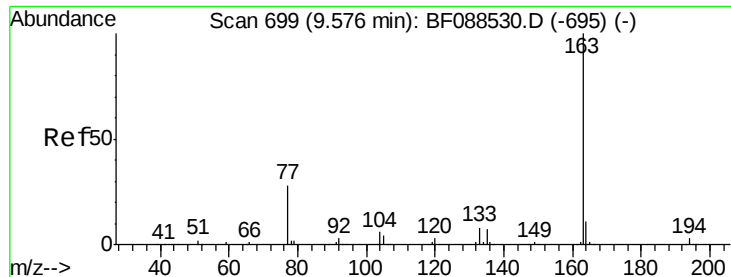
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#44
 2-Fluorobiphenyl
 Concen: 94.82 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088994.D
 Acq: 14 Jul 2016 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	572185		
171	36.5	28.6	43.0	
170	23.9	19.2	28.8	





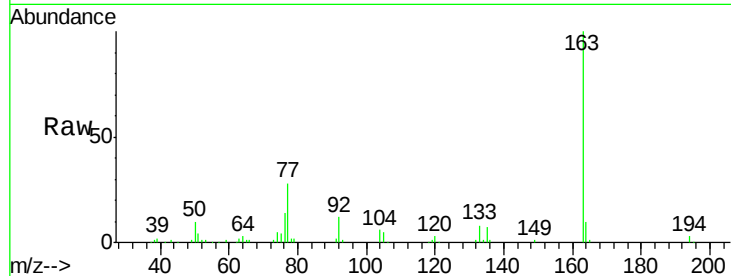
#49
Dimethylphthalate
Concen: 13.55 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.05 min
Lab File: BF088994.D
Acq: 14 Jul 2016 19:18

Instrument :
BNA_F
ClientSampleId :
B7-B2(0-5)C

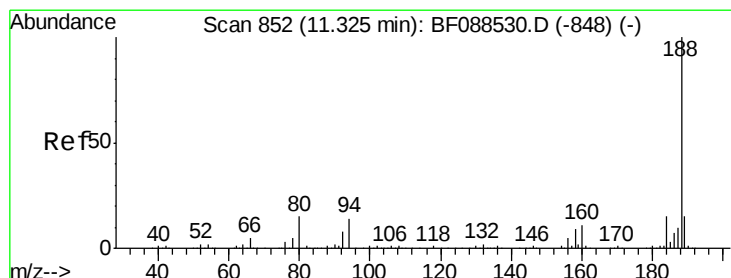
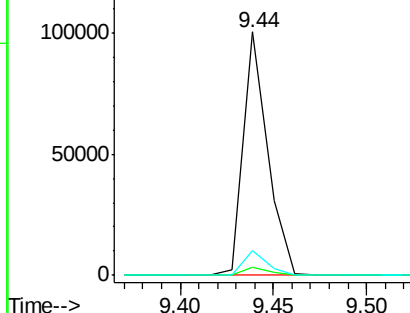
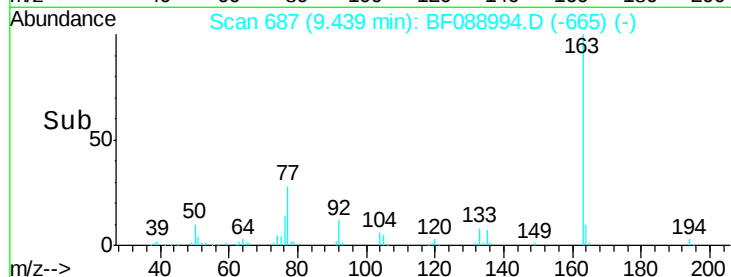
Tot Ion:163 Resp: 91987
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 10.2 8.3 12.5

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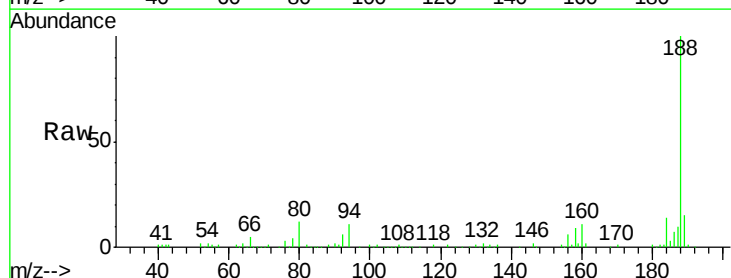


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

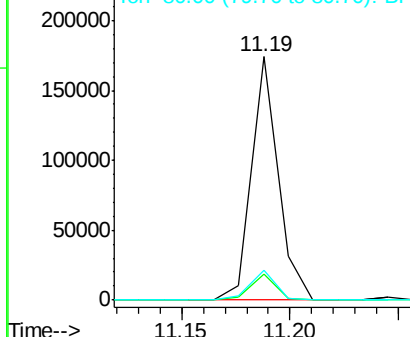
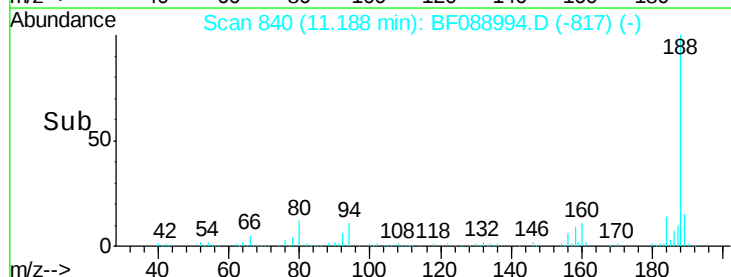


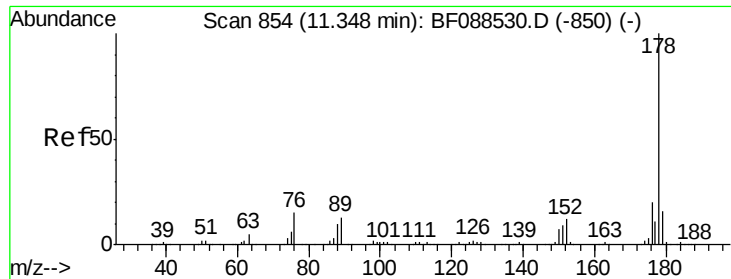
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF088994.D
Acq: 14 Jul 2016 19:18

Tgt Ion:188 Resp: 147956
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.6
80 12.2 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: 2.03 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.03 min

Lab File: BF088994.D

Acq: 14 Jul 2016 19:18

Instrument :

BNA_F

ClientSampleId :

B7-B2(0-5)C

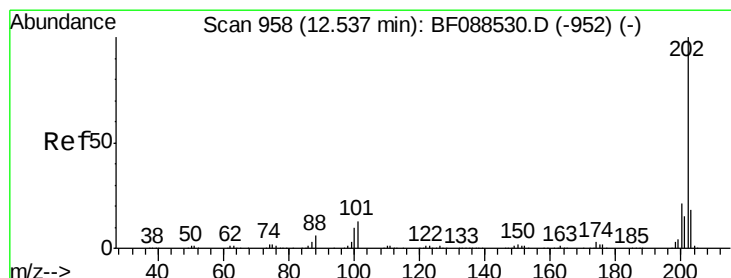
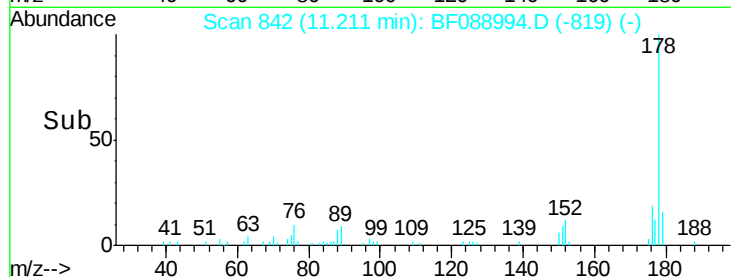
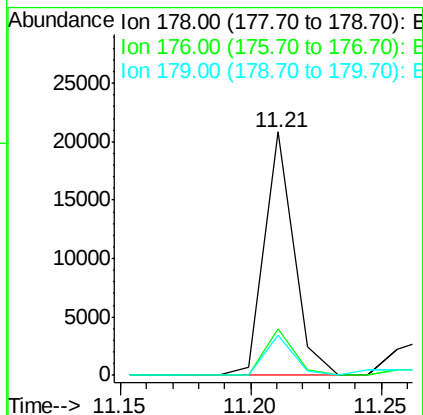
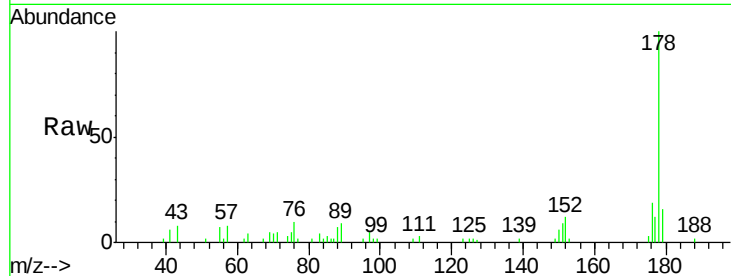
Tot Ion:	178	Resp:	16437
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.6
179	16.3	13.0	19.4

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#74

Fluoranthene

Concen: 4.32 ng

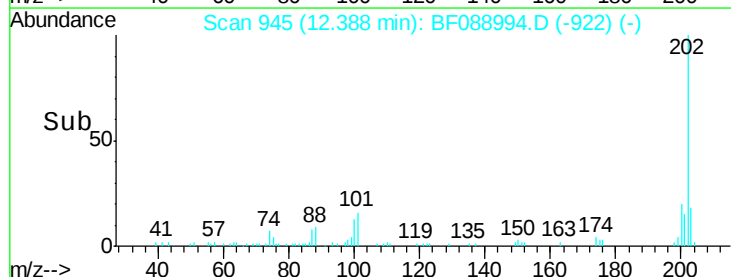
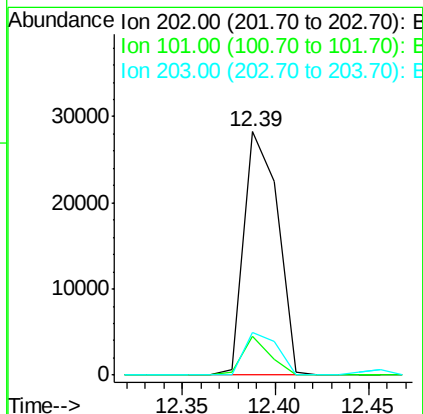
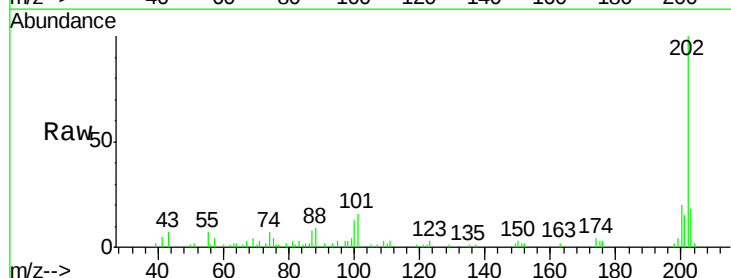
RT: 12.39 min Scan# 945

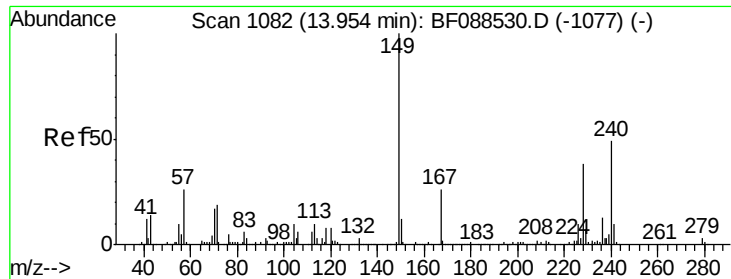
Delta R.T. -0.03 min

Lab File: BF088994.D

Acq: 14 Jul 2016 19:18

Tgt Ion:	202	Resp:	35457
Ion	Ratio	Lower	Upper
202	100		
101	16.2	0.0	33.1
203	17.7	0.0	38.1





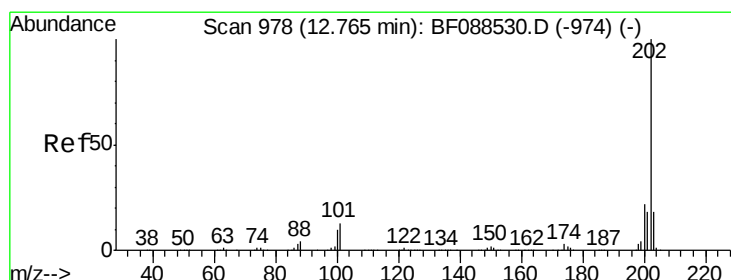
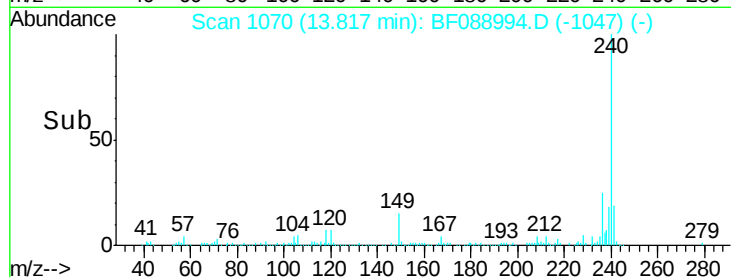
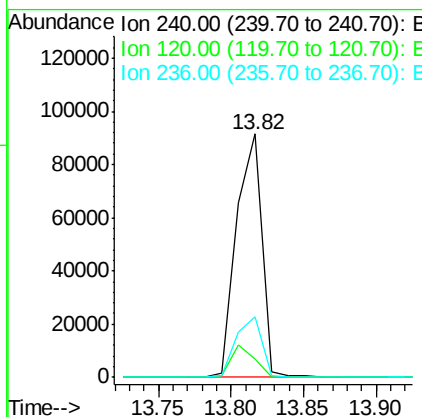
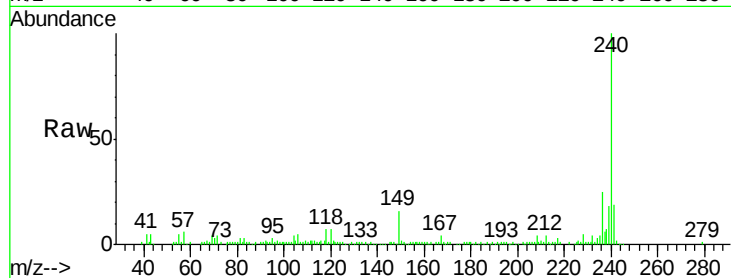
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.03 min
Lab File: BF088994.D
Acq: 14 Jul 2016 19:18

Instrument :
BNA_F
ClientSampleId :
B7-B2(0-5)C

Tot Ion:240 Resp: 111068
Ion Ratio Lower Upper
240 100
120 7.3 6.8 10.2
236 25.1 20.2 30.2

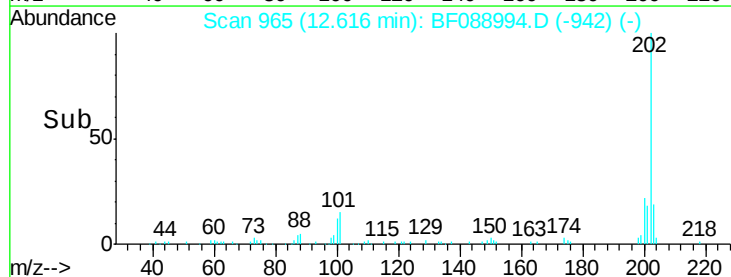
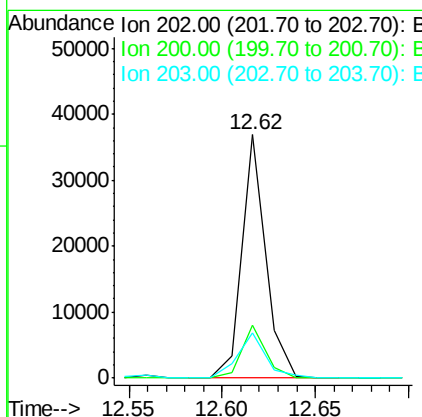
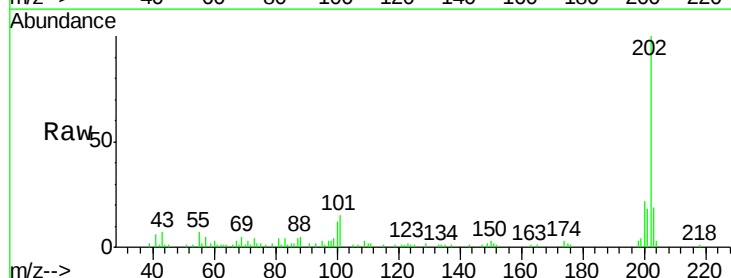
Manual Integrations

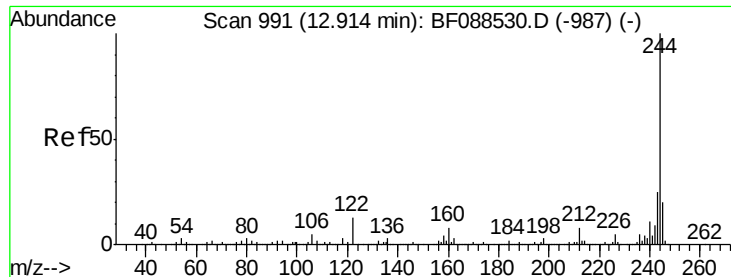
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#77
Pyrene
Concen: 3.47 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.03 min
Lab File: BF088994.D
Acq: 14 Jul 2016 19:18

Tgt Ion:202 Resp: 32718
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 18.6 14.5 21.7





#78

Terphenyl-d14

Concen: 68.98 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.02 min

Lab File: BF088994.D

Acq: 14 Jul 2016 19:18

Instrument :

BNA_F

ClientSampleId :

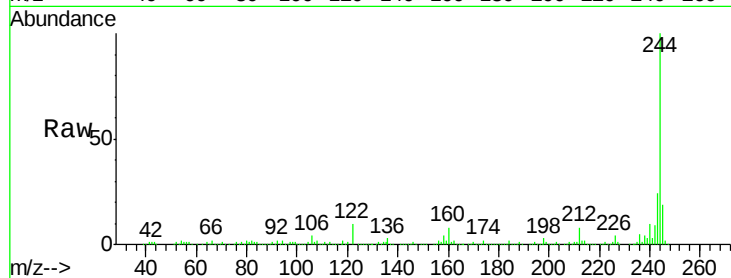
B7-B2(0-5)C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	10.1	11.2	16.8

Manual Integrations

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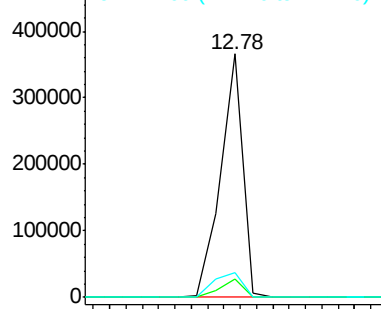


Abundance

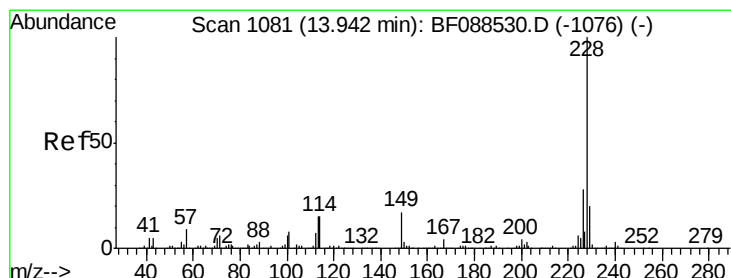
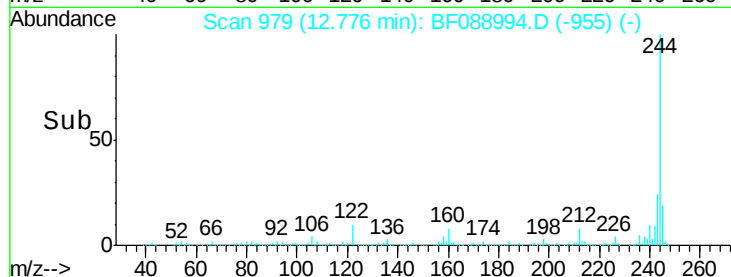
Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 2.85 ng

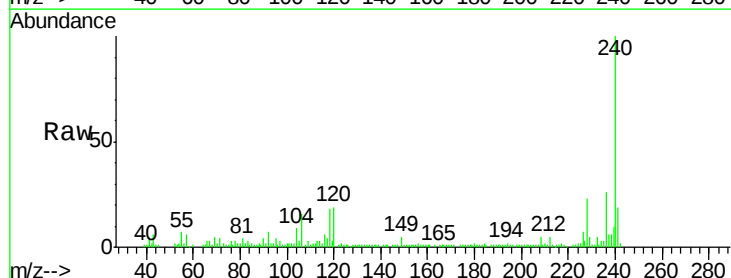
RT: 13.81 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BF088994.D

Acq: 14 Jul 2016 19:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.3	33.5
229	22.1	16.0	24.0

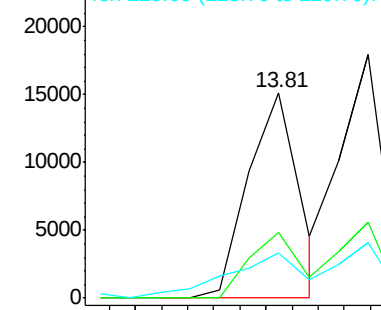


Abundance

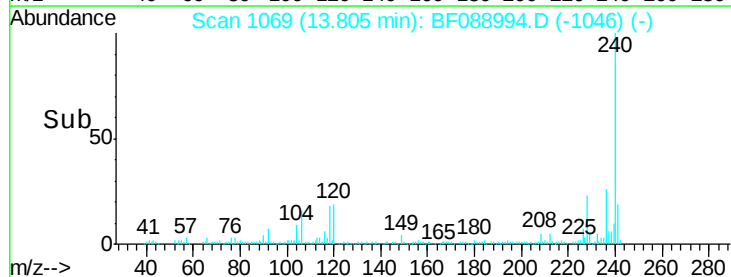
Ion 228.00 (227.70 to 228.70): E

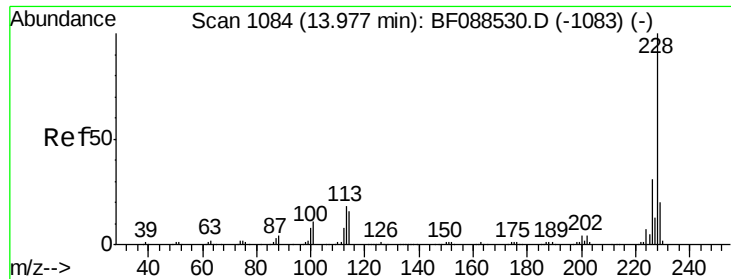
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





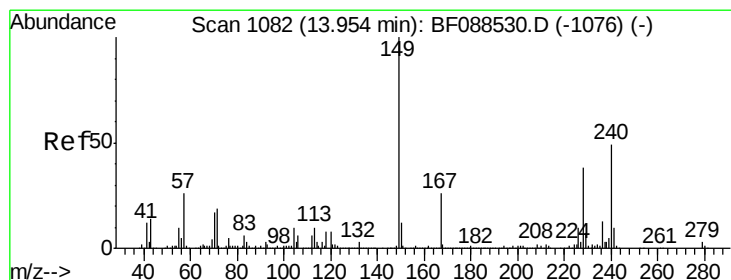
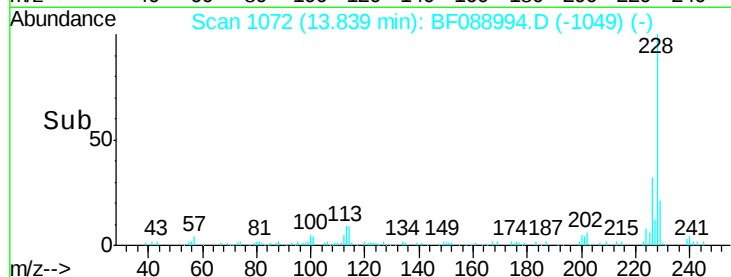
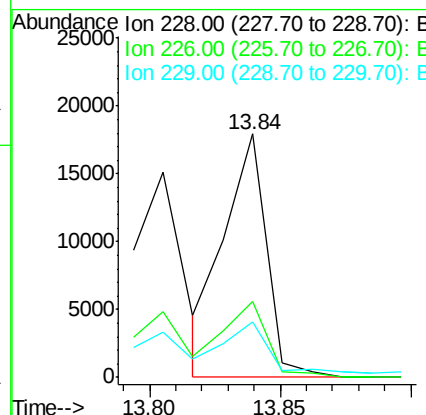
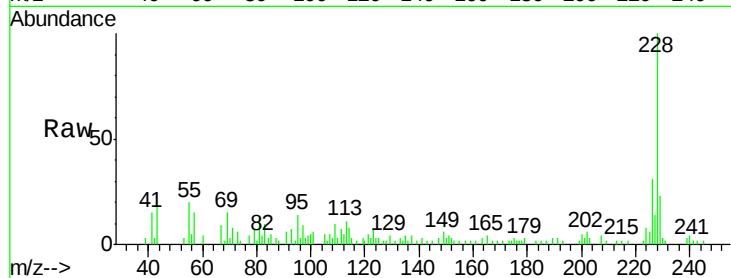
#82
Chrysene
Concen: 2.86 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.03 min
Lab File: BF088994.D
Acq: 14 Jul 2016 19:18

Instrument :
BNA_F
ClientSampleId :
B7-B2(0-5)C

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.2
229	22.7	16.3	24.5

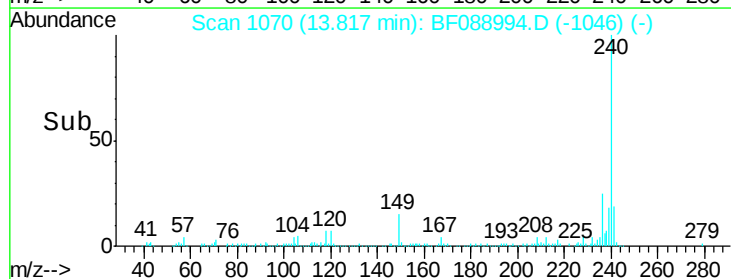
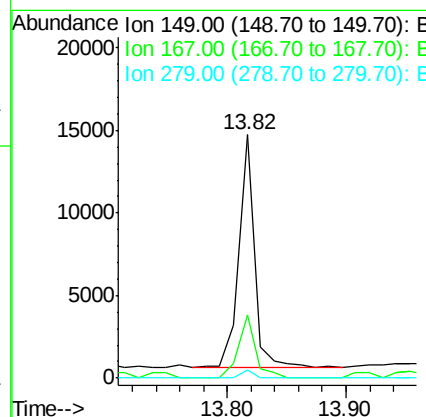
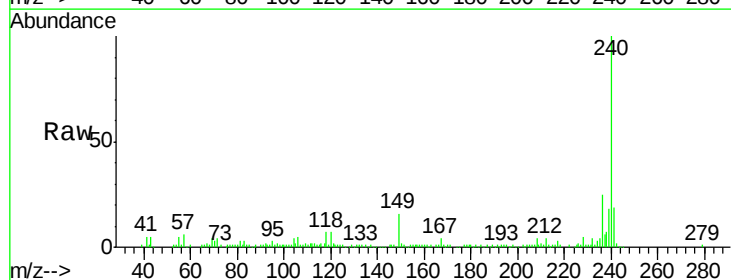
Manual Integrations

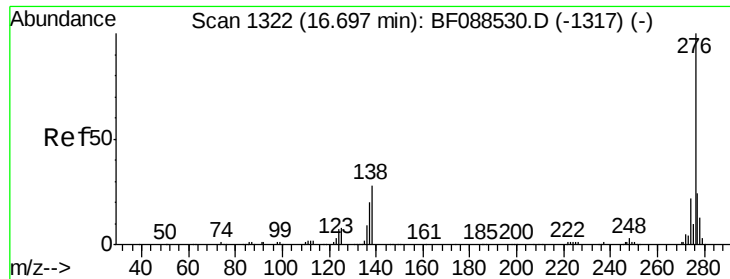
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.74 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BF088994.D
Acq: 14 Jul 2016 19:18

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.0	20.5	30.7
279	3.5	2.0	3.0#





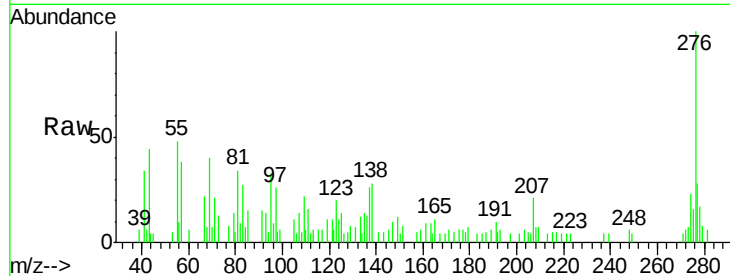
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.58 ng
RT: 16.45 min Scan# 1300
Delta R.T. -0.06 min
Lab File: BF088994.D
Acq: 14 Jul 2016 19:18

Instrument :
BNA_F
ClientSampleId :
B7-B2(0-5)C

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.5	0.0	0.0#
277	31.1	0.0	0.0#

Manual Integrations

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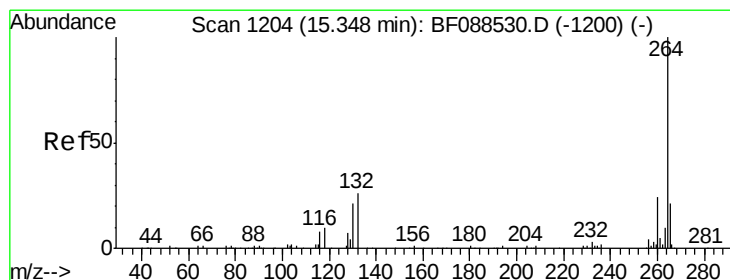
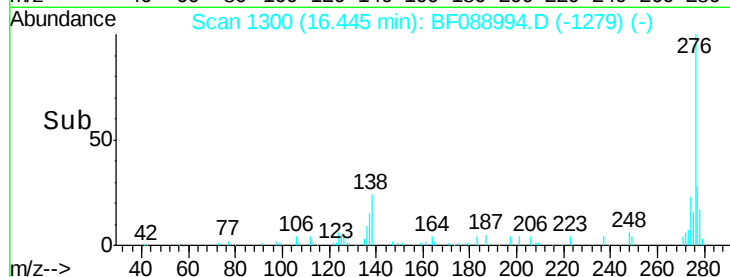
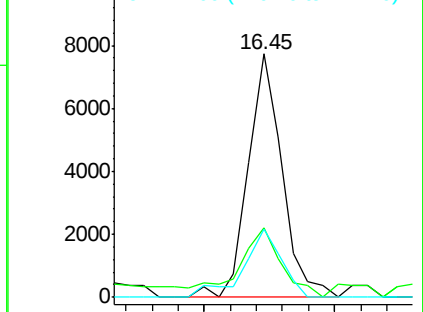


Abundance

Ion 276.00 (275.70 to 276.70): E

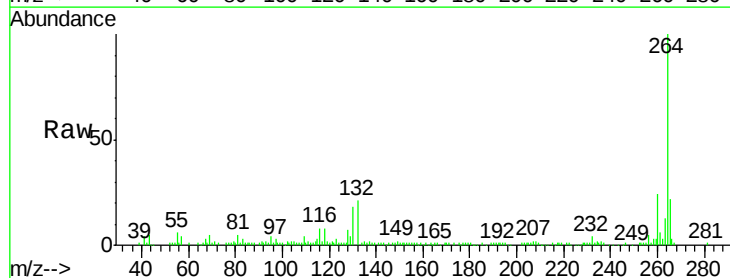
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. -0.03 min
Lab File: BF088994.D
Acq: 14 Jul 2016 19:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.9	16.9	25.3

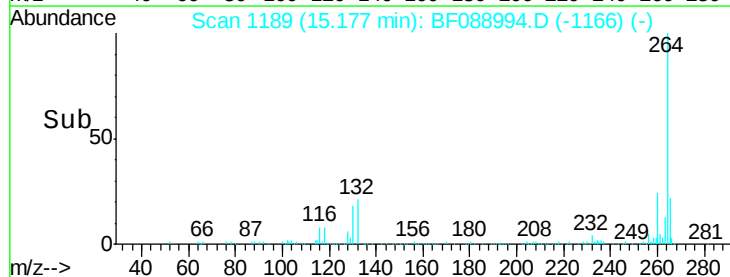
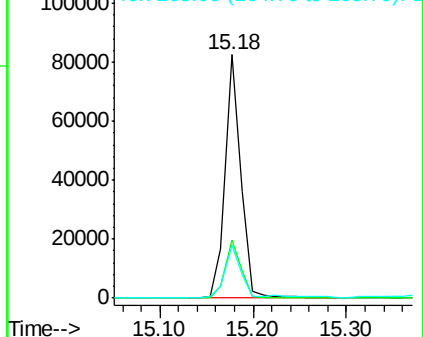


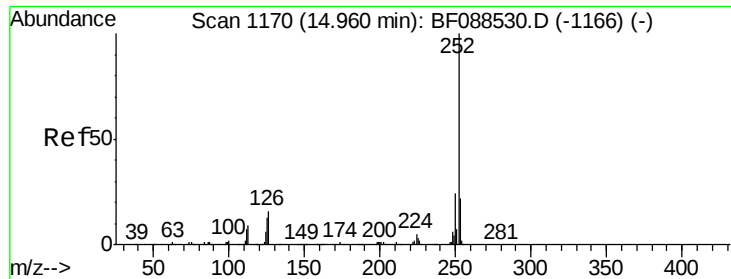
Abundance

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: 5.04 ng m

RT: 14.80 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF088994.D

Acq: 14 Jul 2016 19:18

Instrument :

BNA_F

ClientSampleId :

B7-B2(0-5)C

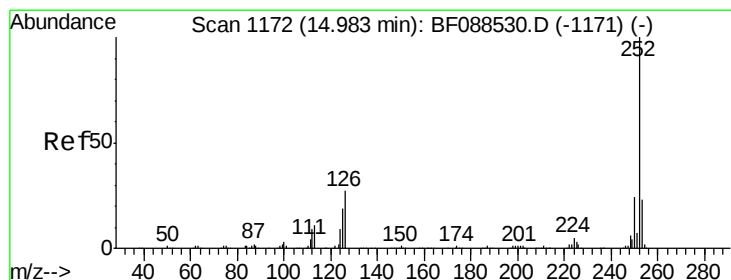
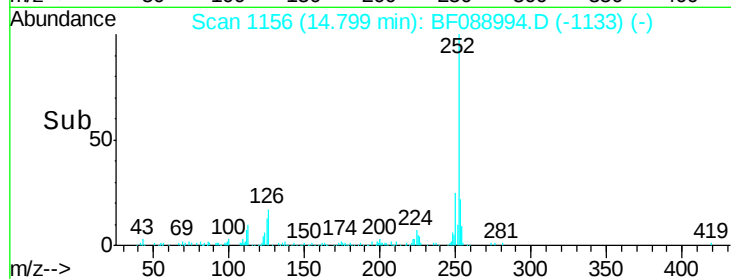
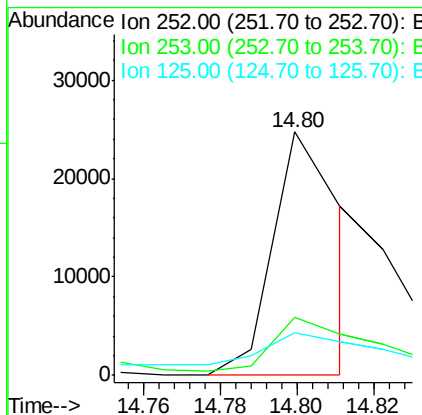
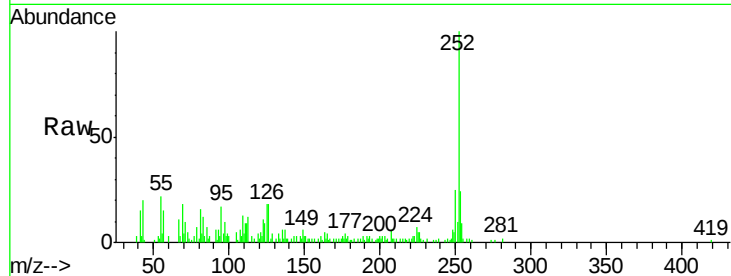
Tot Ion:	252	Resp:	30609
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.4	26.2
125	17.6	7.1	10.7#

Manual Integrations

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#88

Benzo(k)fluoranthene

Concen: 2.53 ng m

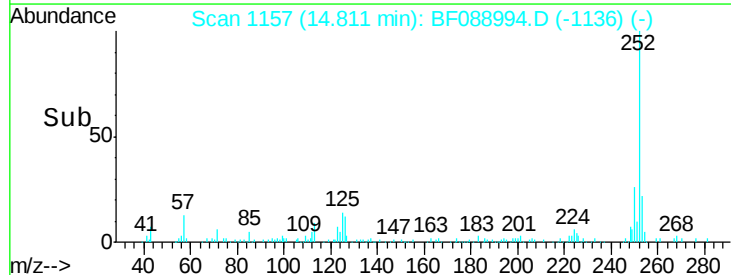
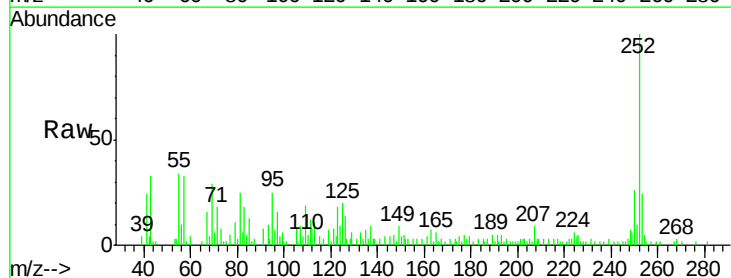
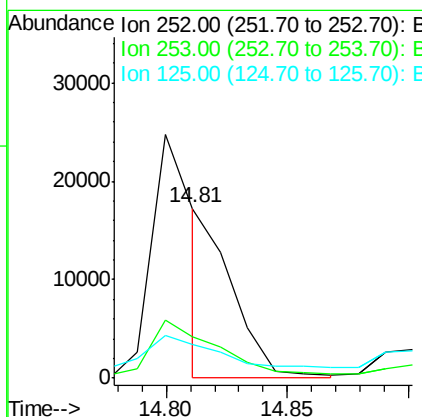
RT: 14.81 min Scan# 1157

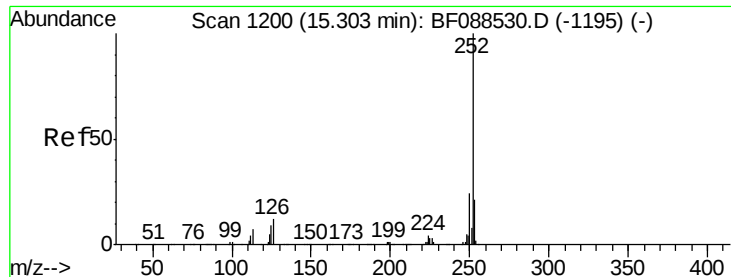
Delta R.T. -0.06 min

Lab File: BF088994.D

Acq: 14 Jul 2016 19:18

Tgt Ion:	252	Resp:	13355
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.0	27.0
125	20.0	11.2	16.8#





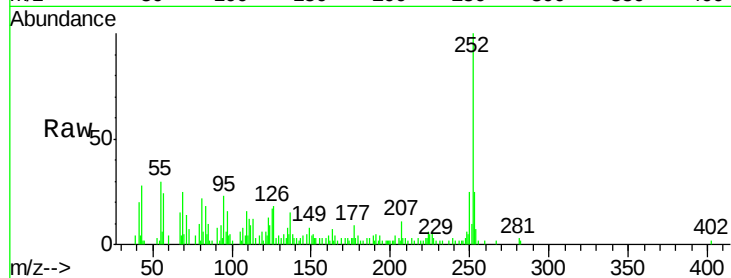
#89
Benzo(a)pyrene
Concen: 3.78 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.05 min
Lab File: BF088994.D
Acq: 14 Jul 2016 19:18

Instrument :
BNA_F
ClientSampleId :
B7-B2(0-5)C

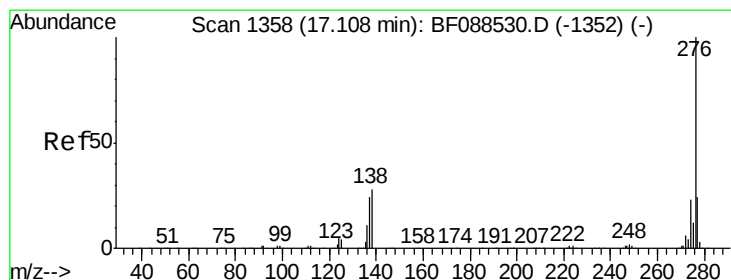
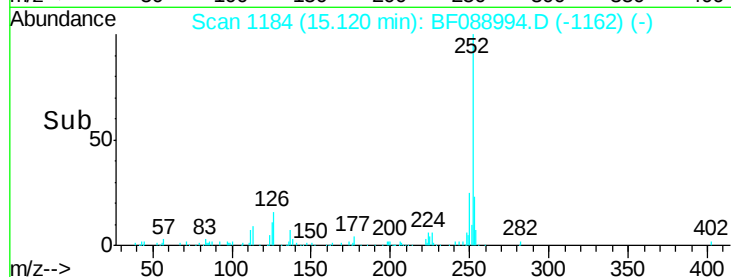
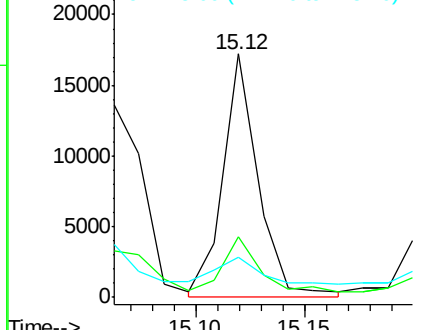
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	16.7	12.5	18.7

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



#91
Benzo(g,h,i)perylene
Concen: 3.31 ng
RT: 16.83 min Scan# 1334
Delta R.T. -0.06 min
Lab File: BF088994.D
Acq: 14 Jul 2016 19:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.9	28.3
138	24.2	21.4	32.2

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

