

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089064.D
 Acq On : 16 Jul 2016 19:43
 Operator : UM/SJ
 Sample : H3951-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB07(0-2in)

Manual Integrations

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 7/18/2016 7:37:38 PM

Quant Time: Jul 18 02:18:08 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	6.66	152	58002	20.00	ng	-0.05
21) Naphthalene-d8	7.95	136	249346	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	98177	20.00	ng	-0.05
63) Phenanthrene-d10	11.19	188	149510	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	106302	20.00	ng	-0.03
86) Perylene-d12	15.19	264	85895	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	424504	109.69	ng	-0.02
7) Phenol-d6	6.33	99	588069	117.60	ng	-0.02
23) Nitrobenzene-d5	7.23	82	315515	66.31	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	79149	86.82	ng	-0.05
44) 2-Fluorobiphenyl	9.04	172	620158	99.78	ng	-0.03
78) Terphenyl-d14	12.78	244	308131	64.56	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	374914	53.60	ng	98
70) Phenanthrene	11.21	178	42428	5.19	ng	98
71) Anthracene	11.26	178	17215	2.12	ng	98
73) Di-n-butylphthalate	11.76	149	55116	6.20	ng	98
74) Fluoranthene	12.39	202	90465	10.92	ng	99
77) Pyrene	12.62	202	97351	10.80	ng	98
79) Butylbenzylphthalate	13.26	149	213002	52.98	ng	99
80) Benzo(a)anthracene	13.81	228	52581m	7.68	ng	
82) Chrysene	13.84	228	50286m	7.43	ng	
83) Bis(2-ethylhexyl)phthalate	13.82	149	181587	39.56	ng	97
84) Di-n-octyl phthalate	14.43	149	19319	2.48	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.47	276	24837	4.77	ng	# 100
87) Benzo(b)fluoranthene	14.81	252	65423m	12.14	ng	
88) Benzo(k)fluoranthene	14.82	252	22832m	4.87	ng	
89) Benzo(a)pyrene	15.13	252	40901	8.97	ng	96
91) Benzo(g,h,i)perylene	16.86	276	26598	6.75	ng	96

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

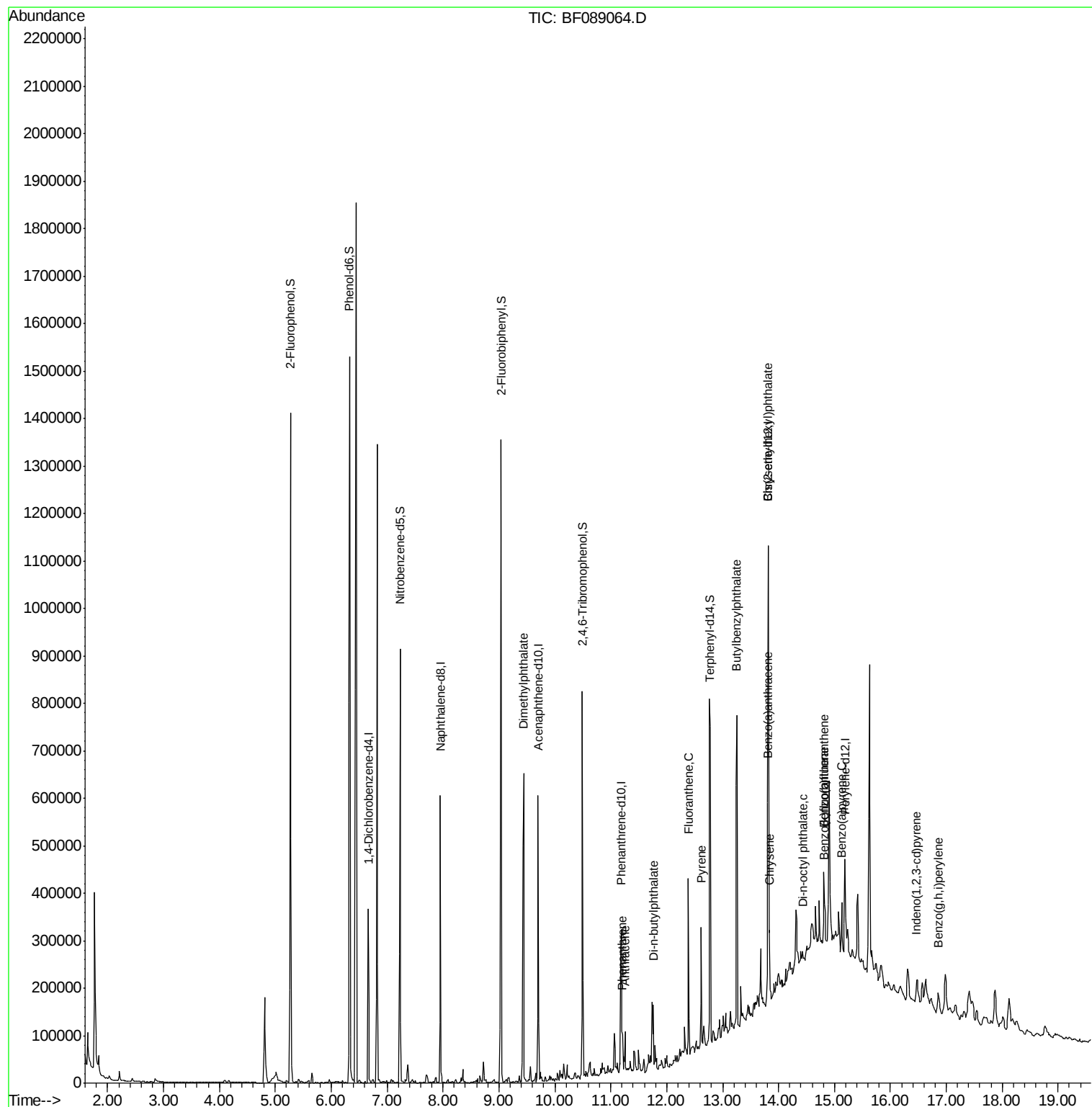
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089064.D
Acq On : 16 Jul 2016 19:43
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Quant Time: Jul 18 02:18:08 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.05 min

Lab File: BF089064.D

Acq: 16 Jul 2016 19:43

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB07(0-2in)

Tot Ion:152 Resp: 58002

Ion Ratio Lower Upper

152 100

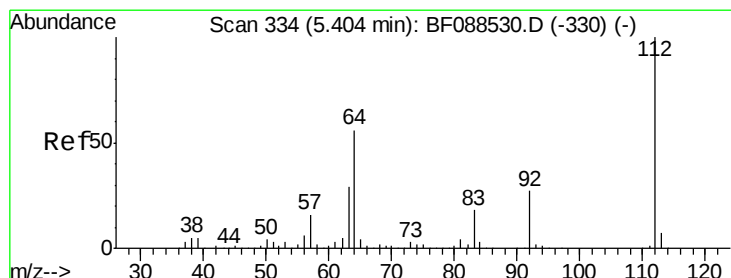
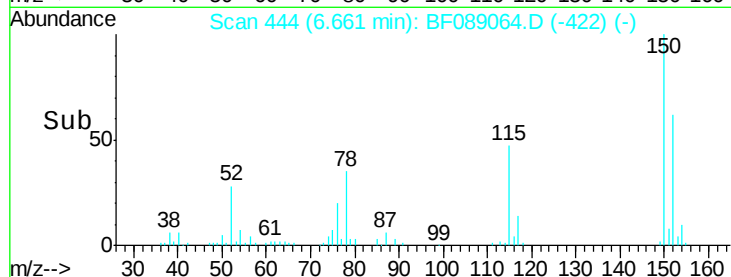
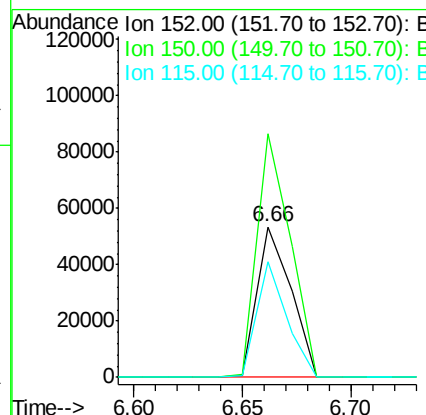
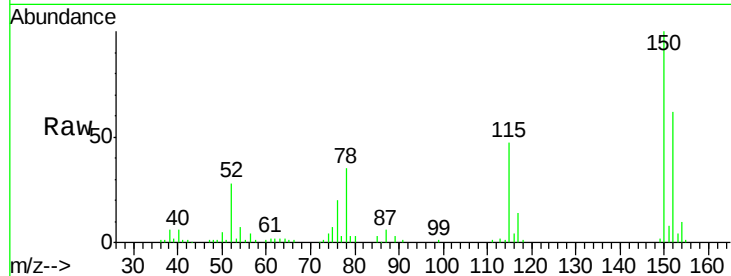
150 161.8 123.8 185.6

115 76.7 39.6 59.4#

Manual Integrations

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#5

2-Fluorophenol

Concen: 109.69 ng

RT: 5.27 min Scan# 322

Delta R.T. -0.02 min

Lab File: BF089064.D

Acq: 16 Jul 2016 19:43

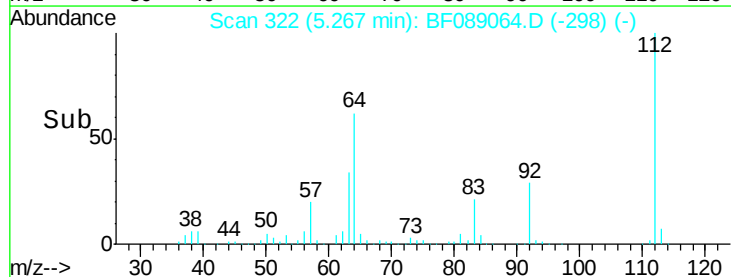
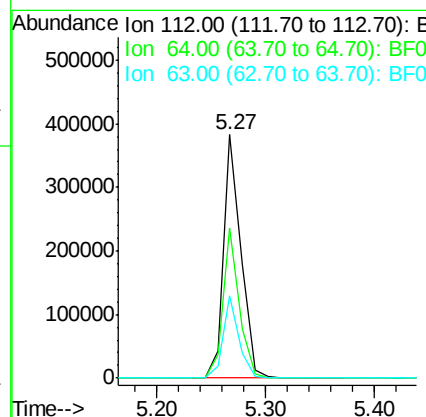
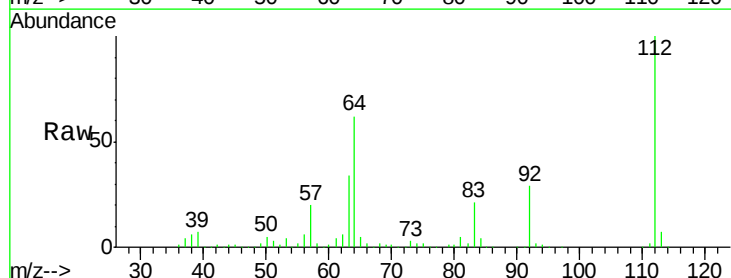
Tgt Ion:112 Resp: 424504

Ion Ratio Lower Upper

112 100

64 61.9 42.2 63.2

63 33.9 21.8 32.8#





#7

Phenol-d6

Concen: 117.60 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089064.D

Acq: 16 Jul 2016 19:43

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB07(0-2in)

Tot Ion: 99 Resp: 588069

Ion Ratio Lower Upper

99 100

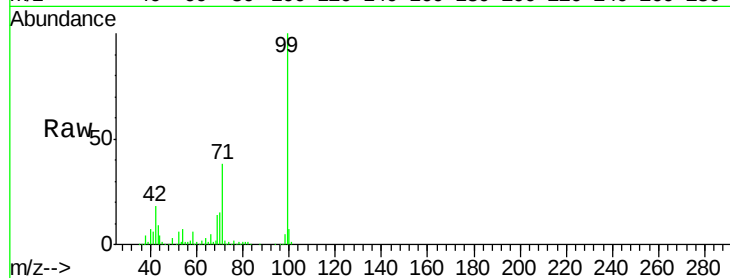
42 18.1 12.2 18.2

71 38.2 23.4 35.0#

Manual Integrations

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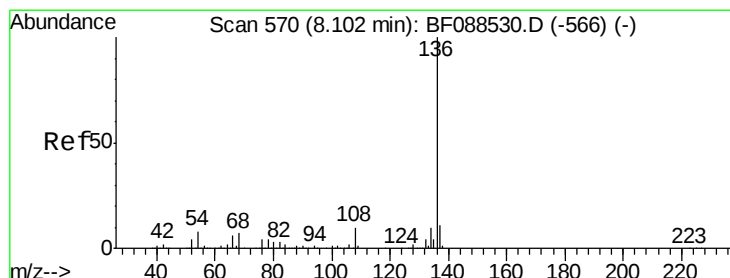
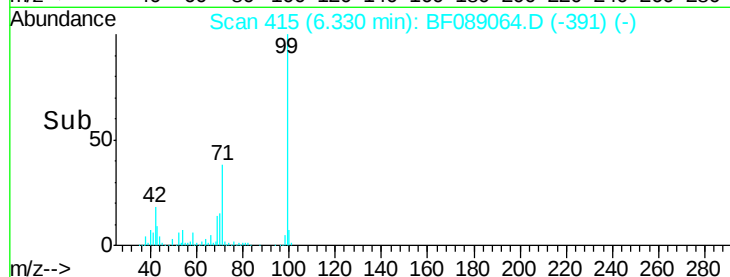
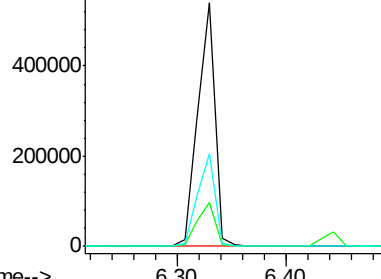
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 7.95 min Scan# 557

Delta R.T. -0.05 min

Lab File: BF089064.D

Acq: 16 Jul 2016 19:43

Tgt Ion: 136 Resp: 249346

Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.6 6.6 10.0#

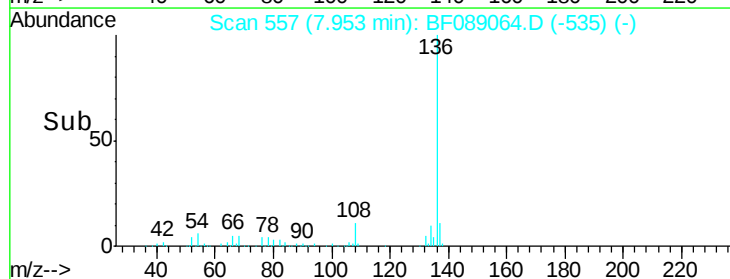
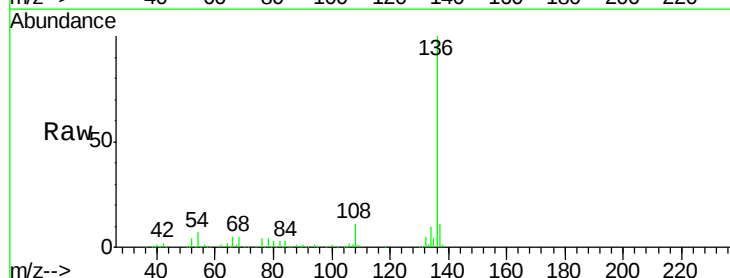
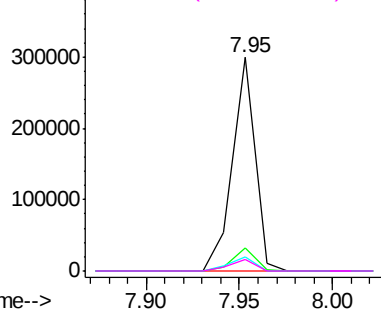
68 5.2 5.1 7.7

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





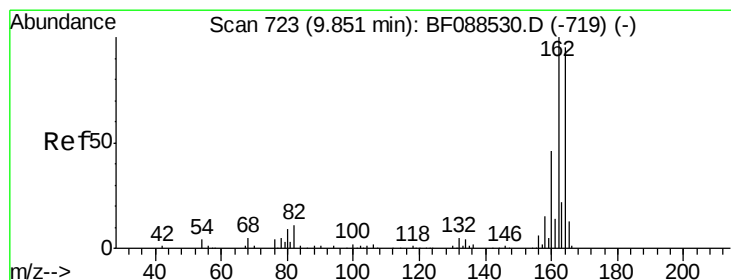
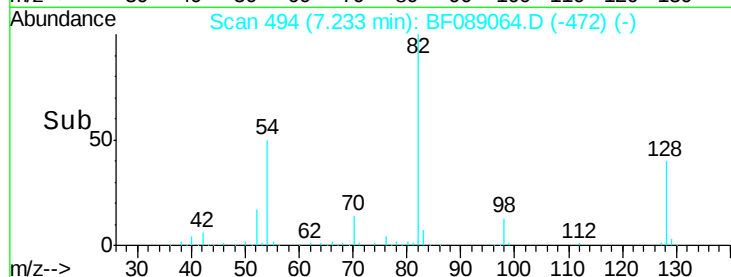
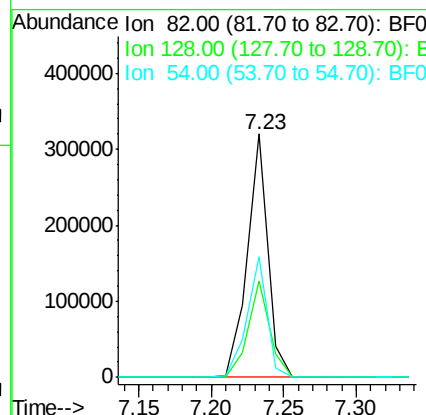
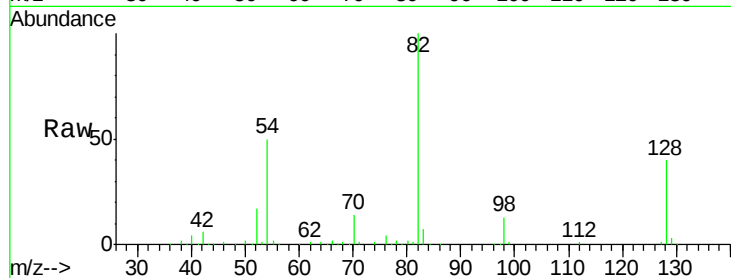
#23
Nitrobenzene-d5
Concen: 66.31 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.05 min
Lab File: BF089064.D
Acq: 16 Jul 2016 19:43

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB07(0-2in)

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.6	35.9	53.9
54	49.6	40.9	61.3

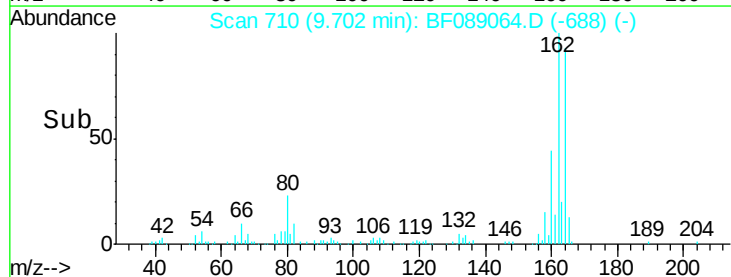
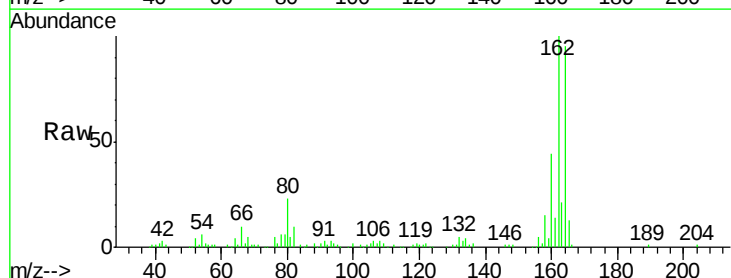
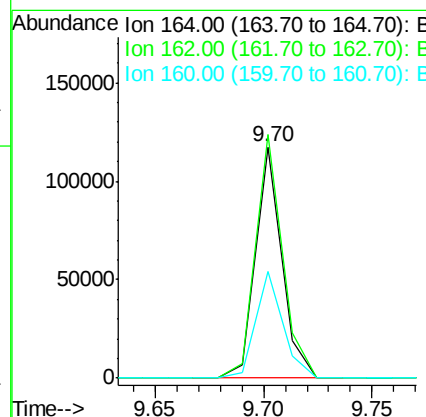
Manual Integrations

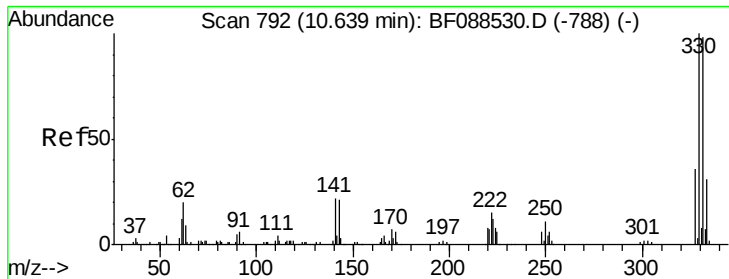
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.05 min
Lab File: BF089064.D
Acq: 16 Jul 2016 19:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	85.4	128.2
160	46.3	39.5	59.3





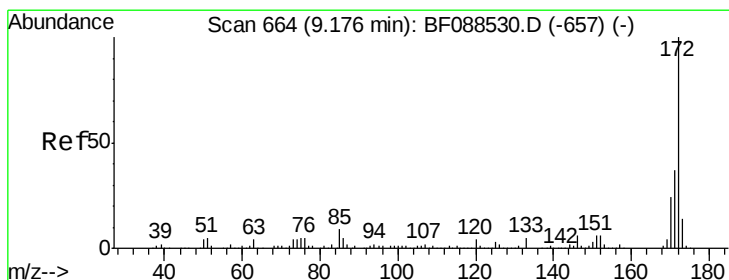
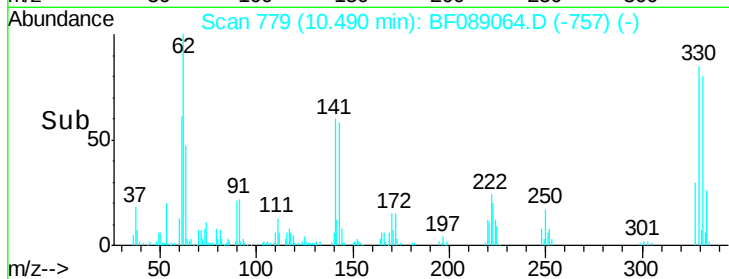
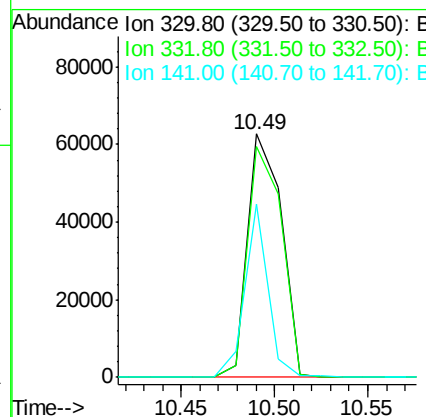
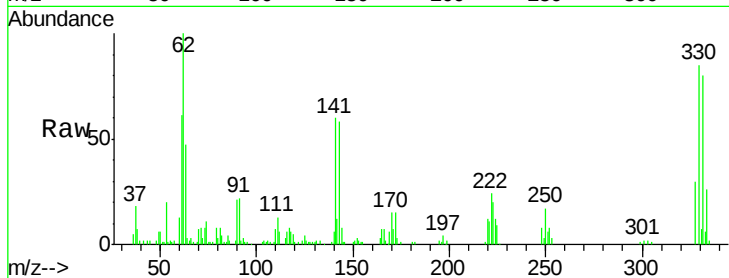
#41
 2,4,6-Tribromophenol
 Concen: 86.82 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089064.D
 Acq: 16 Jul 2016 19:43

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB07(0-2in)

Tot Ion:	330	Resp:	79149
Ion Ratio	Lower	Upper	
330	100		
332	95.8	0.0	0.0#
141	49.0	0.0	0.0#

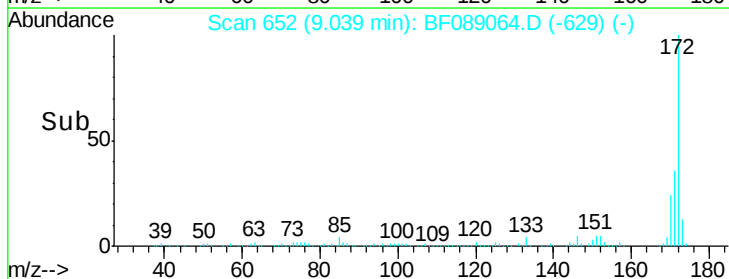
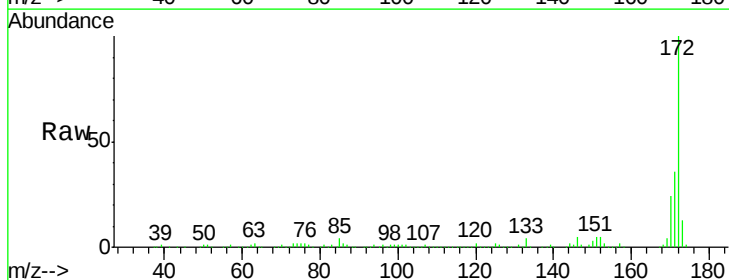
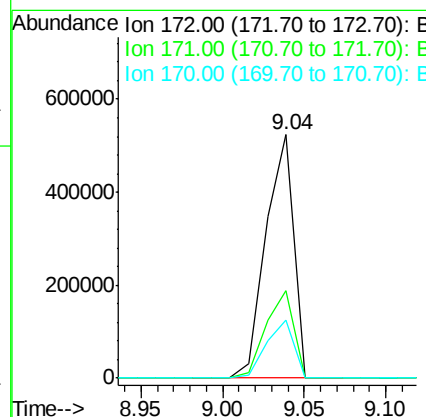
Manual Integrations

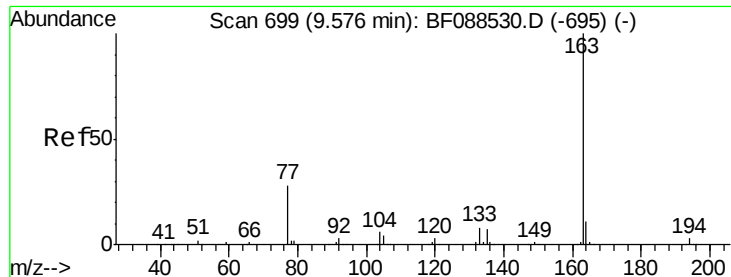
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#44
 2-Fluorobiphenyl
 Concen: 99.78 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.03 min
 Lab File: BF089064.D
 Acq: 16 Jul 2016 19:43

Tgt Ion:	172	Resp:	620158
Ion Ratio	Lower	Upper	
172	100		
171	36.1	28.6	43.0
170	23.6	19.2	28.8





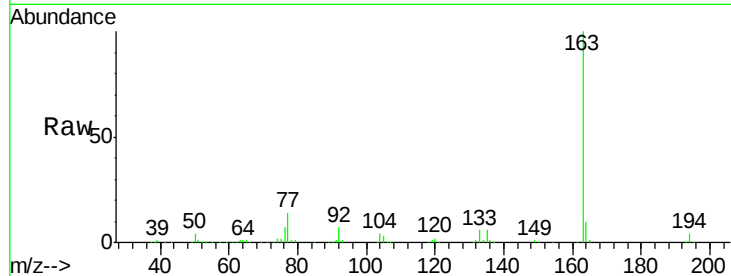
#49
Dimethylphthalate
Concen: 53.60 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.05 min
Lab File: BF089064.D
Acq: 16 Jul 2016 19:43

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB07(0-2in)

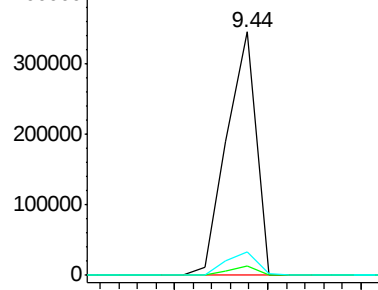
Tot Ion:163 Resp: 374914
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 9.6 8.3 12.5

Manual Integrations

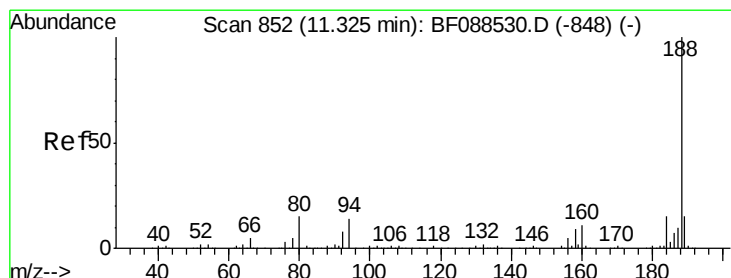
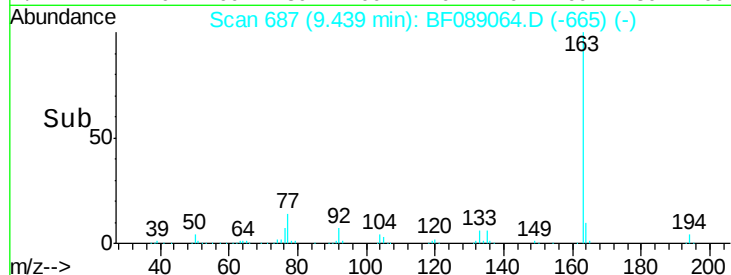
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

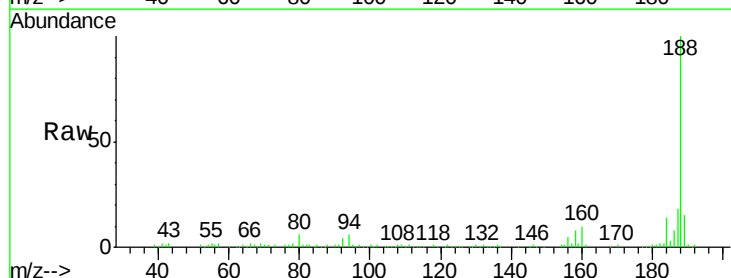


Time-->

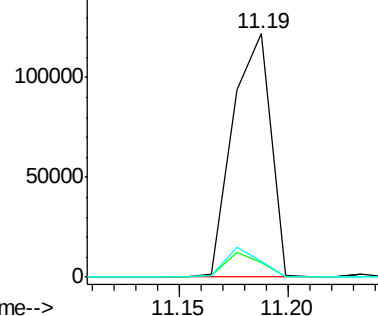


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089064.D
Acq: 16 Jul 2016 19:43

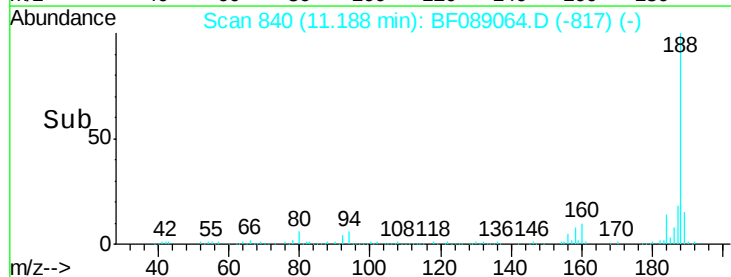
Tgt Ion:188 Resp: 149510
Ion Ratio Lower Upper
188 100
94 5.9 9.0 13.6#
80 6.4 10.0 15.0#



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



Time-->





#70

Phenanthrene

Concen: 5.19 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.03 min

Lab File: BF089064.D

Acq: 16 Jul 2016 19:43

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB07(0-2in)

Tot Ion:178 Resp: 42428

Ion Ratio Lower Upper

178 100

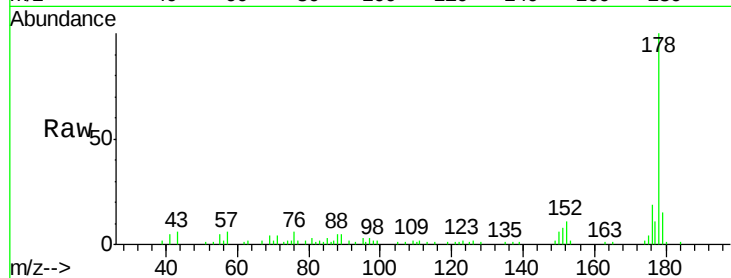
176 19.5 15.8 23.6

179 14.7 13.0 19.4

Manual Integrations

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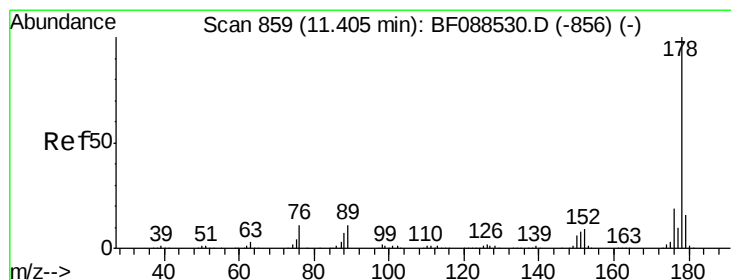
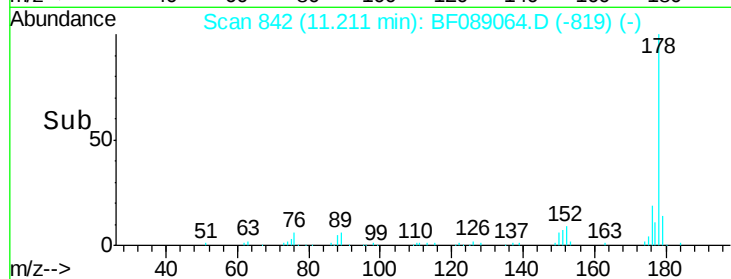
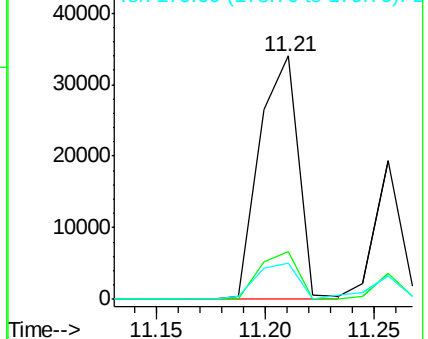
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.12 ng

RT: 11.26 min Scan# 846

Delta R.T. -0.05 min

Lab File: BF089064.D

Acq: 16 Jul 2016 19:43

Tgt Ion:178 Resp: 17215

Ion Ratio Lower Upper

178 100

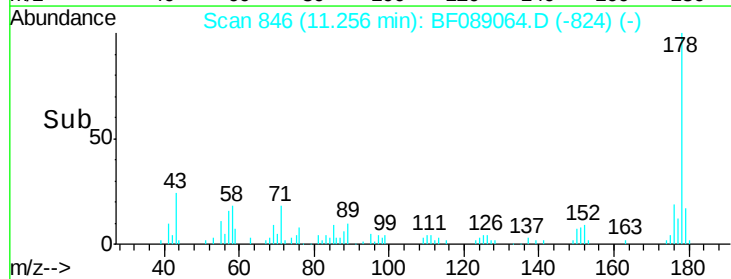
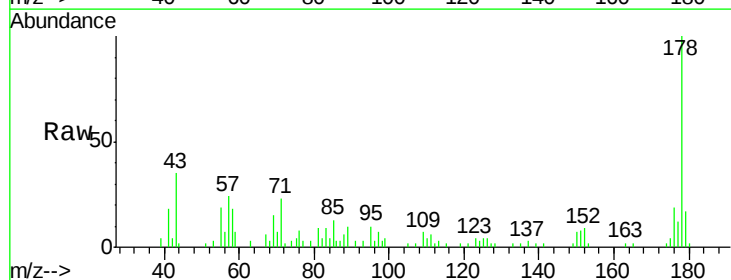
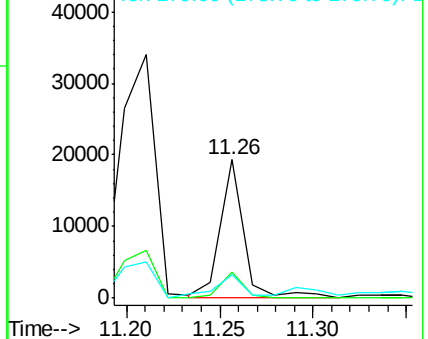
176 18.5 15.6 23.4

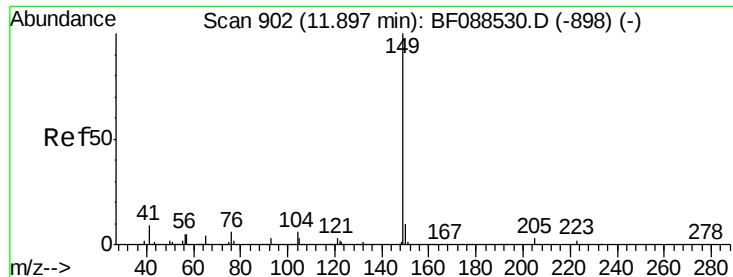
179 16.9 12.8 19.2

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





#73

Di-n-butylphthalate

Concen: 6.20 ng

RT: 11.76 min Scan# 890

Delta R.T. -0.03 min

Lab File: BF089064.D

Acq: 16 Jul 2016 19:43

Instrument :

BNA_F

ClientSampleId :

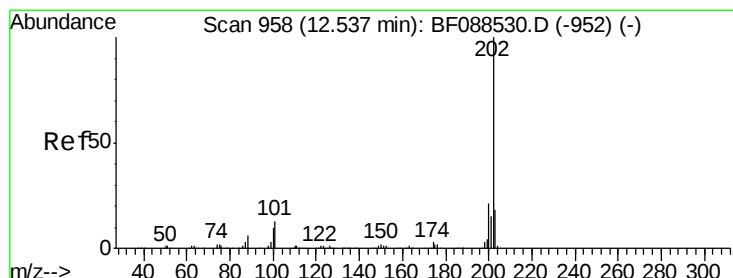
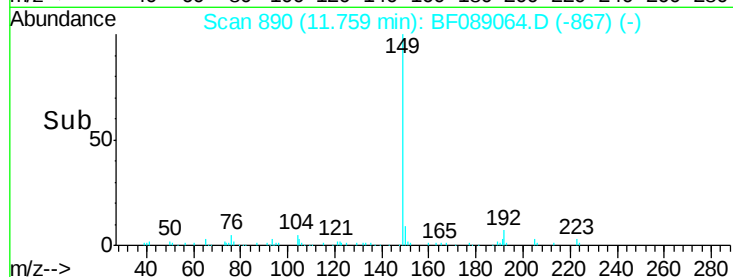
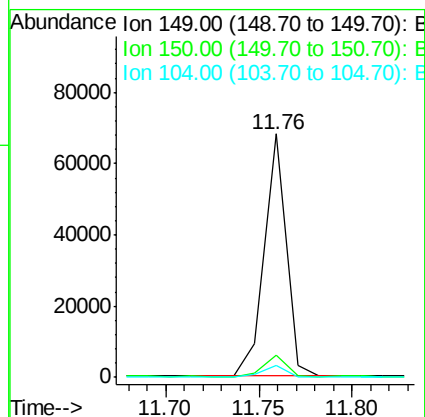
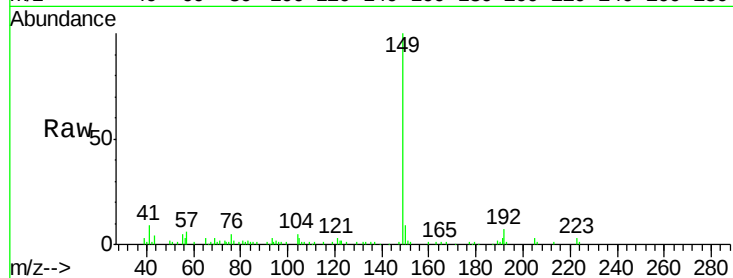
LSS-SB-SB07(0-2in)

Tot Ion:	149	Resp:	55116
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.8	11.6
104	4.7	4.0	6.0

Manual Integrations

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#74

Fluoranthene

Concen: 10.92 ng

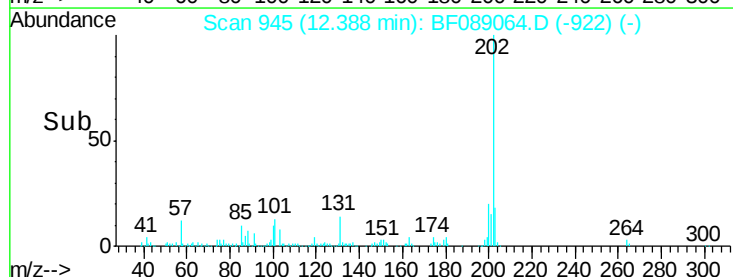
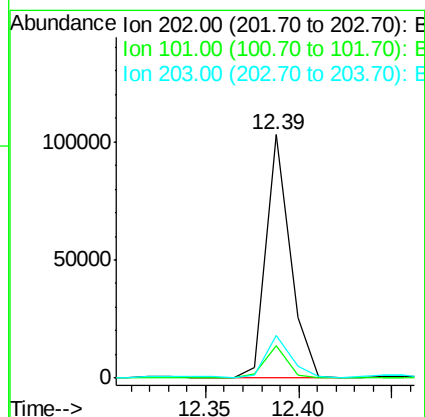
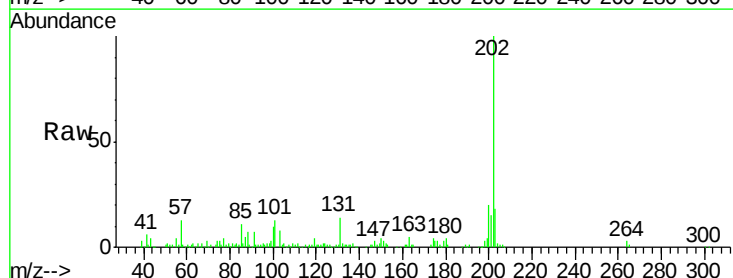
RT: 12.39 min Scan# 945

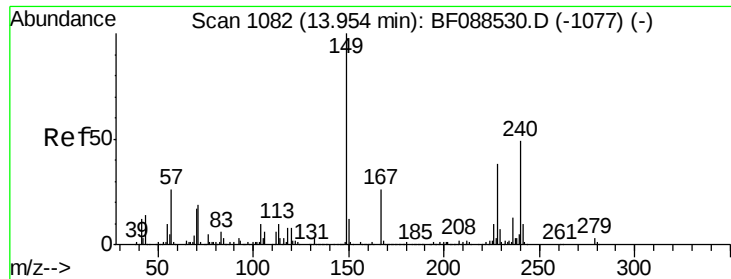
Delta R.T. -0.03 min

Lab File: BF089064.D

Acq: 16 Jul 2016 19:43

Tgt Ion:	202	Resp:	90465
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	33.1
203	17.6	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: BF089064.D

Acq: 16 Jul 2016 19:43

Instrument :

BNA_F

ClientSampleId :

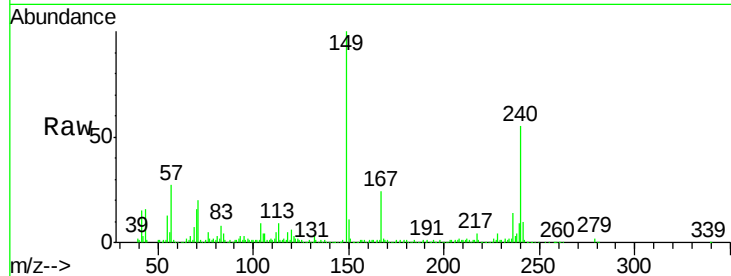
LSS-SB-SB07(0-2in)

Tot Ion:	240	Resp:	106302
Ion Ratio	Lower	Upper	
240	100		
120	10.5	6.8	10.2#
236	25.4	20.2	30.2

Manual Integrations

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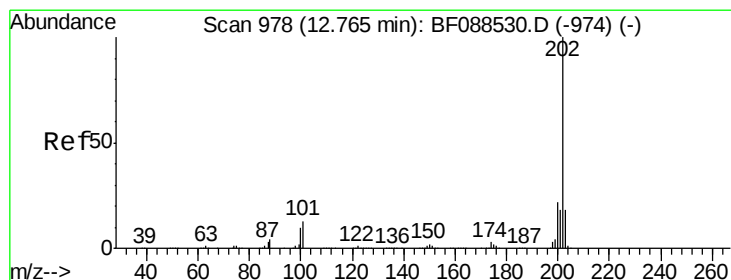
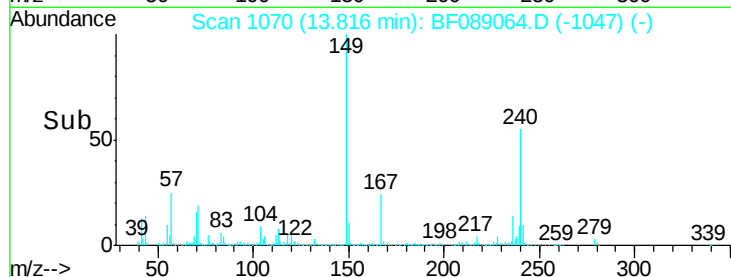
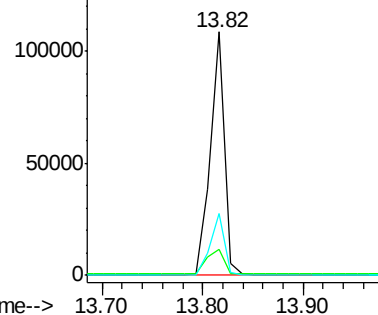
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 10.80 ng

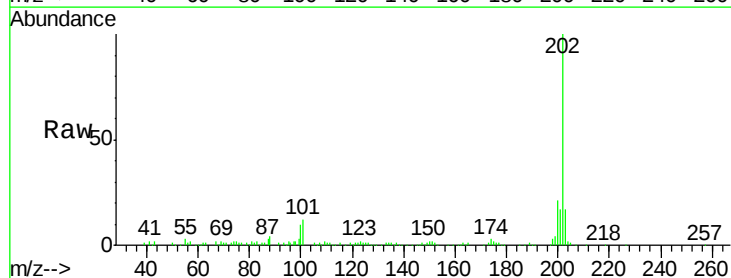
RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089064.D

Acq: 16 Jul 2016 19:43

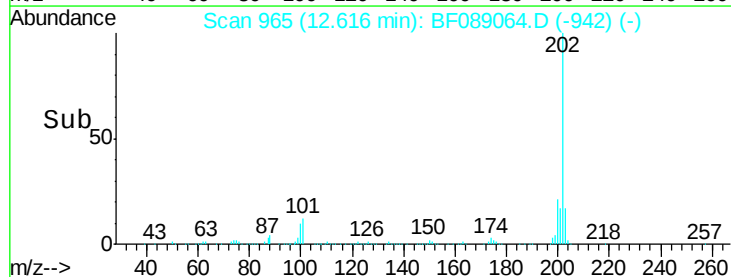
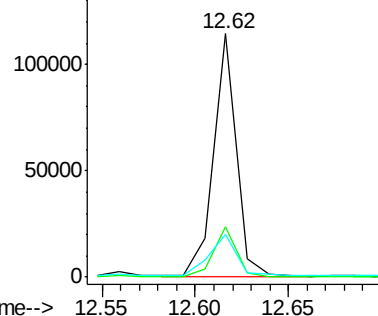
Tgt Ion:	202	Resp:	97351
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	17.4	14.5	21.7

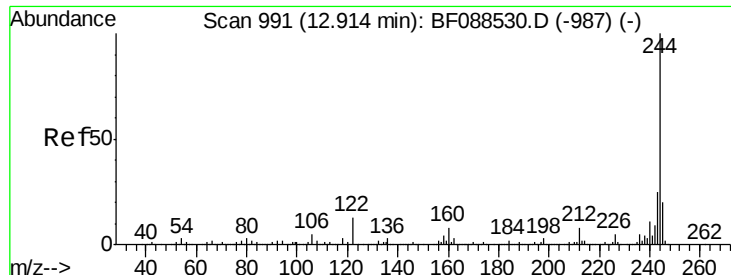


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





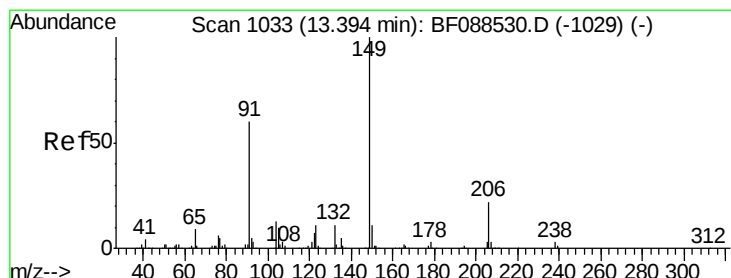
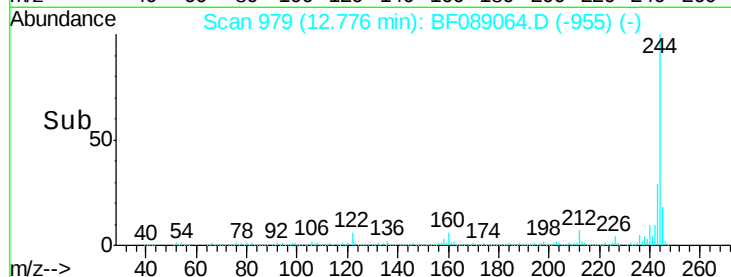
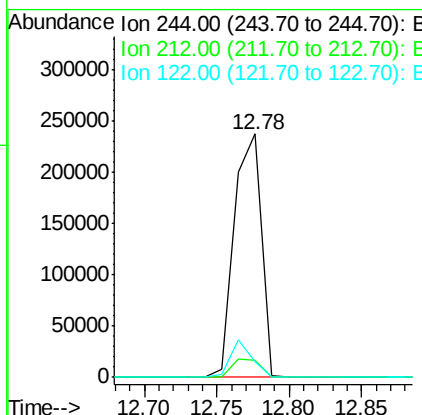
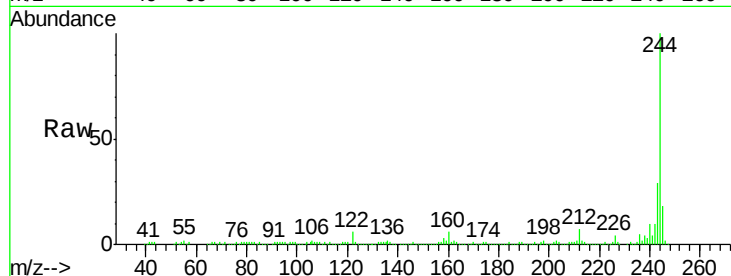
#78
 Terphenyl-d14
 Concen: 64.56 ng
 RT: 12.78 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BF089064.D
 Acq: 16 Jul 2016 19:43

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB07(0-2in)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	6.2	11.2	16.8#

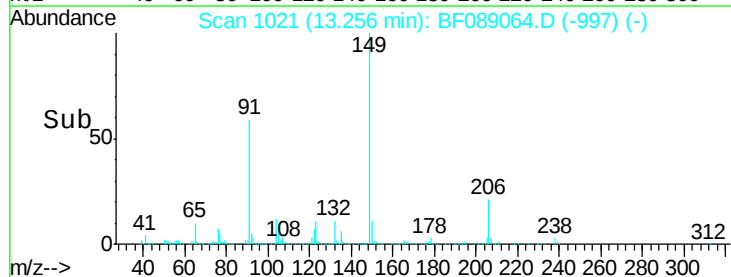
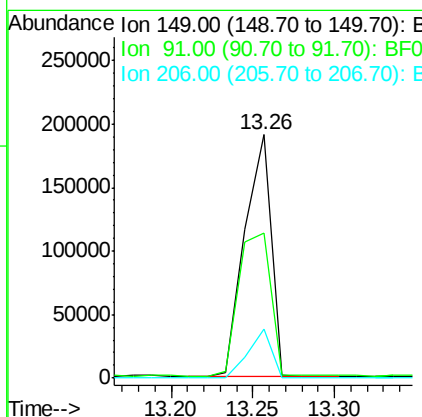
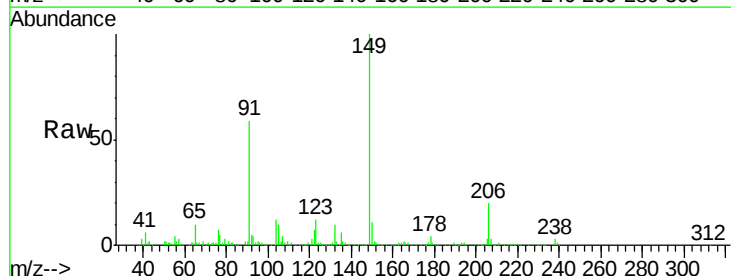
Manual Integrations

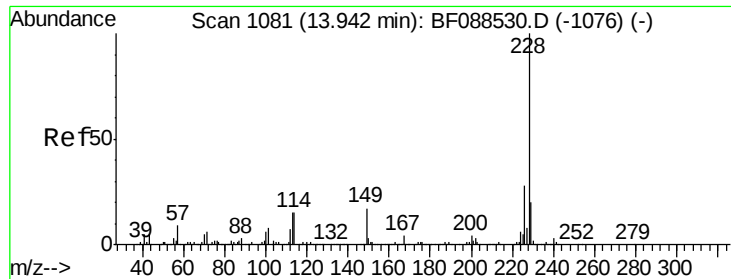
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#79
 Butylbenzylphthalate
 Concen: 52.98 ng
 RT: 13.26 min Scan# 1021
 Delta R.T. -0.02 min
 Lab File: BF089064.D
 Acq: 16 Jul 2016 19:43

Tgt Ion	Ratio	Lower	Upper
149	100		
91	59.4	48.0	72.0
206	20.4	16.0	24.0





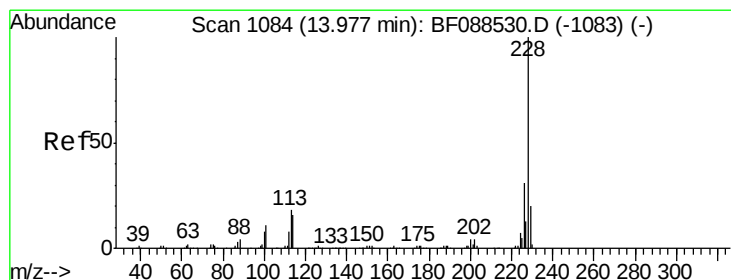
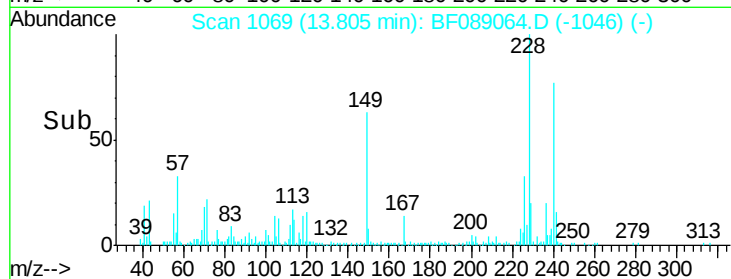
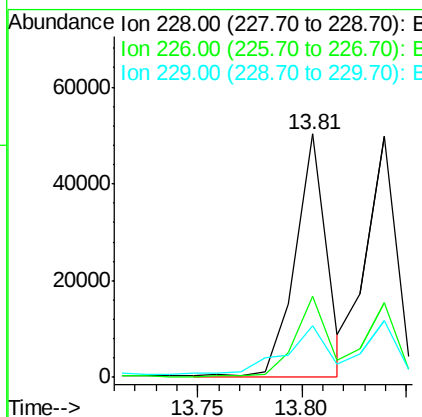
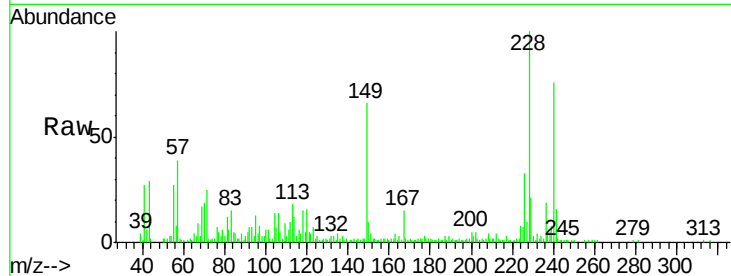
#80
Benzo(a)anthracene
Concen: 7.68 ng m
RT: 13.81 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BF089064.D
Acq: 16 Jul 2016 19:43

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB07(0-2in)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.3	33.5
229	21.0	16.0	24.0

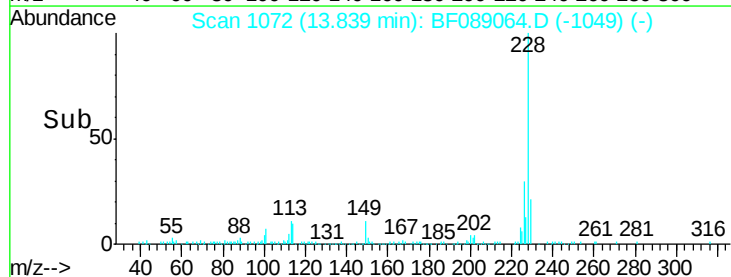
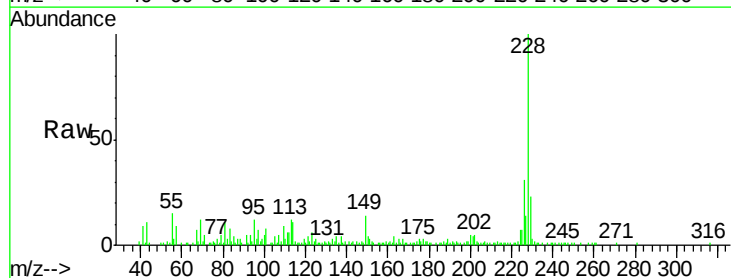
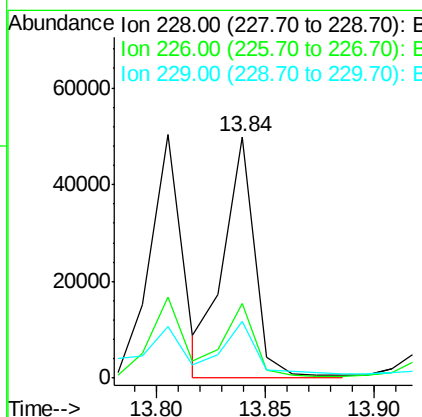
Manual Integrations

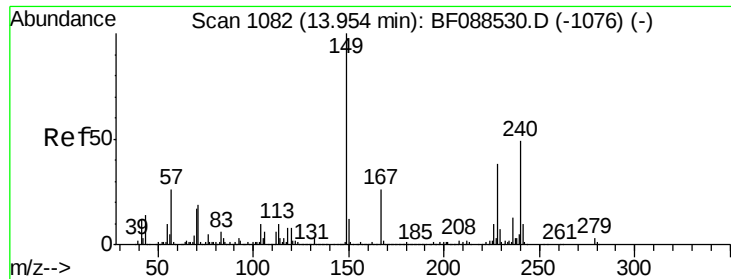
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#82
Chrysene
Concen: 7.43 ng m
RT: 13.84 min Scan# 1072
Delta R.T. -0.03 min
Lab File: BF089064.D
Acq: 16 Jul 2016 19:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.4	38.2
229	23.4	16.3	24.5





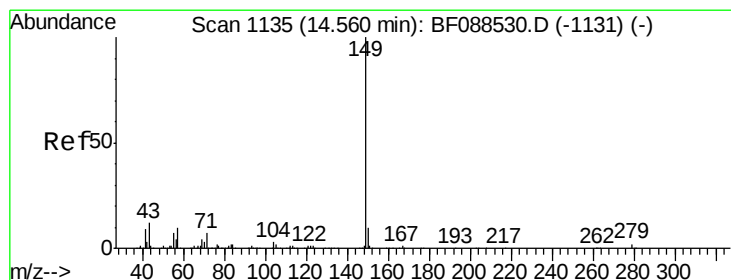
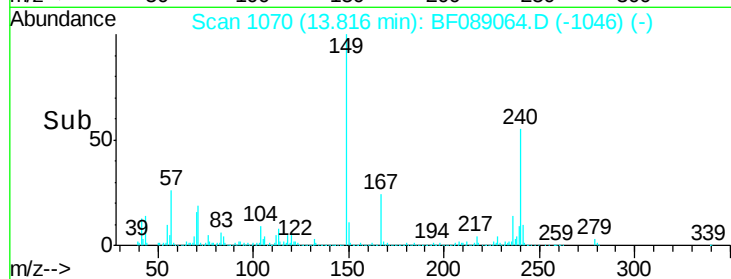
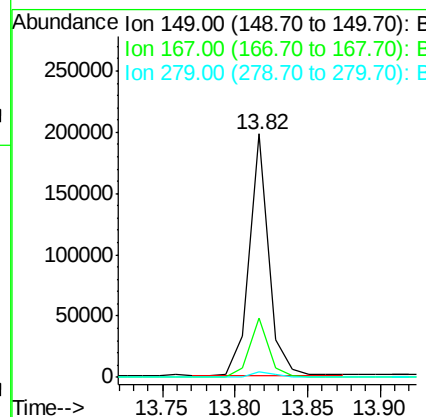
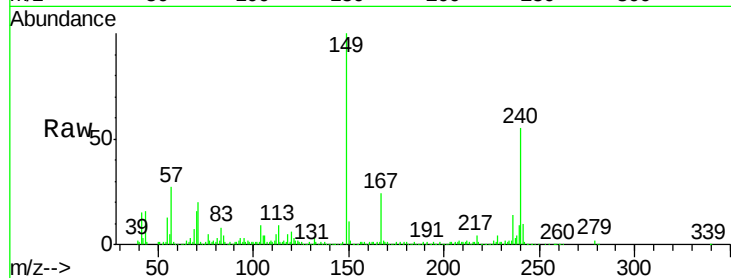
#83
Bis(2-ethylhexyl)phthalate
Concen: 39.56 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BF089064.D
Acq: 16 Jul 2016 19:43

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB07(0-2in)

Tot Ion	Ratio	Lower	Upper
149	100		
167	24.1	20.5	30.7
279	2.5	2.0	3.0

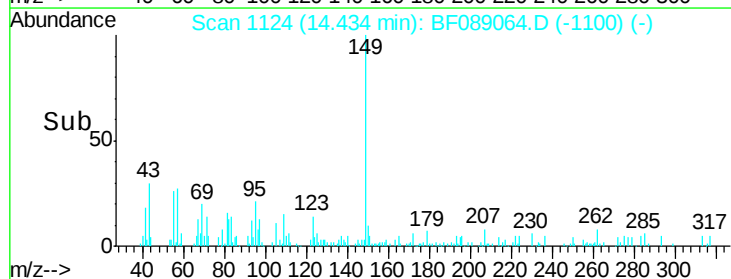
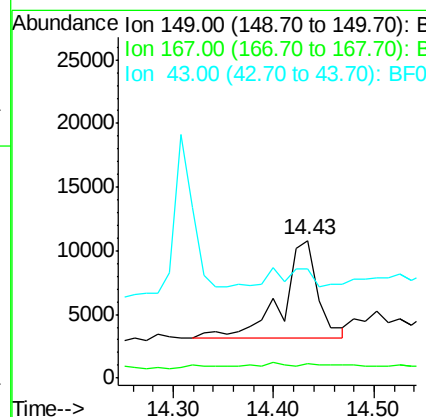
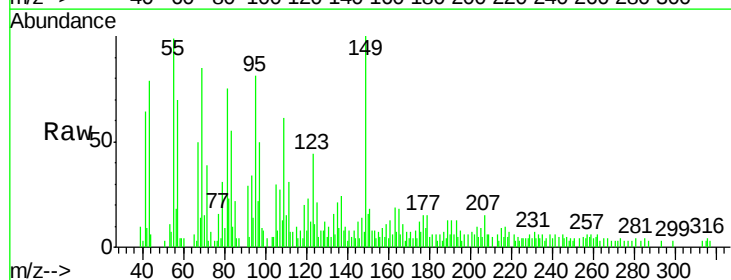
Manual Integrations

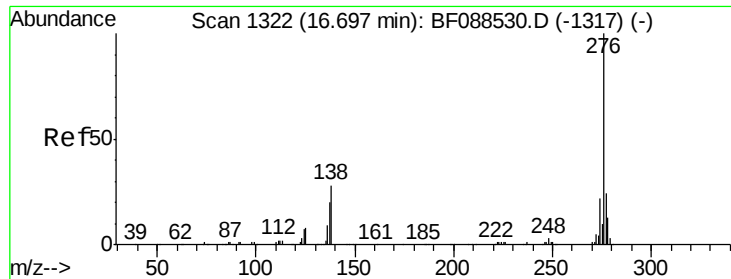
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#84
Di-n-octyl phthalate
Concen: 2.48 ng
RT: 14.43 min Scan# 1124
Delta R.T. -0.02 min
Lab File: BF089064.D
Acq: 16 Jul 2016 19:43

Tgt Ion	Ratio	Lower	Upper
149	100		
167	4.9	0.0	0.0#
43	0.0	0.0	0.0





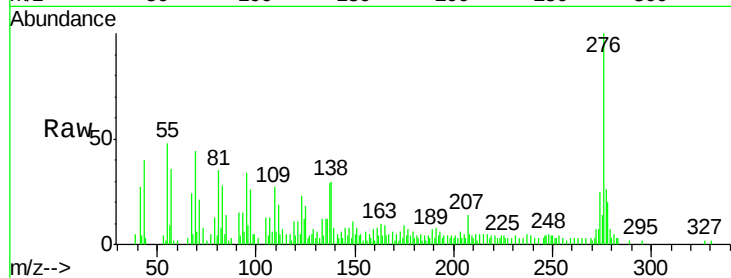
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.77 ng
RT: 16.47 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF089064.D
Acq: 16 Jul 2016 19:43

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB07(0-2in)

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.1	0.0	0.0#
277	24.0	0.0	0.0#

Manual Integrations

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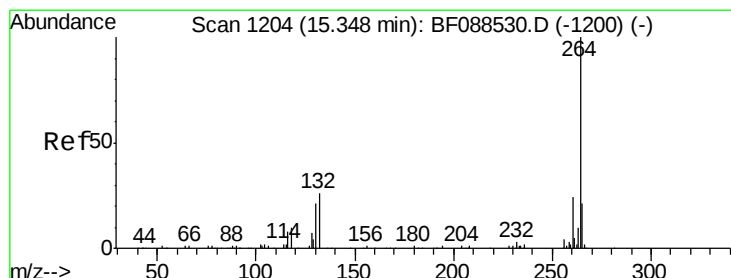
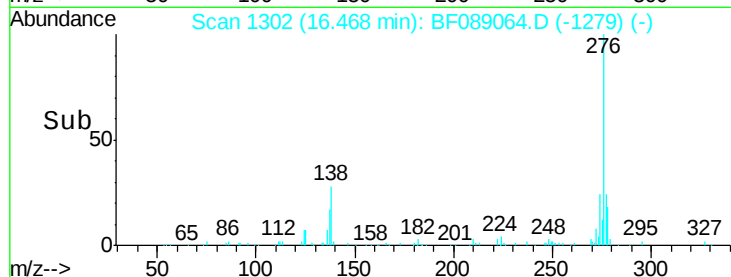
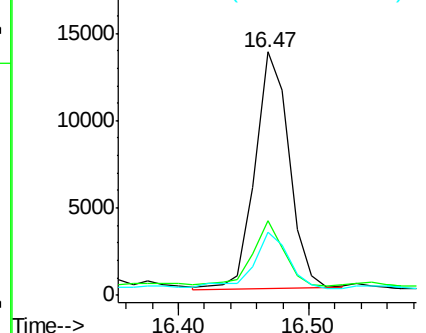


Abundance

Ion 276.00 (275.70 to 276.70): E

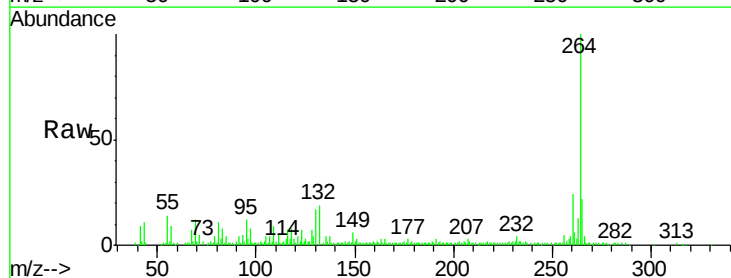
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF089064.D
Acq: 16 Jul 2016 19:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.0	16.9	25.3

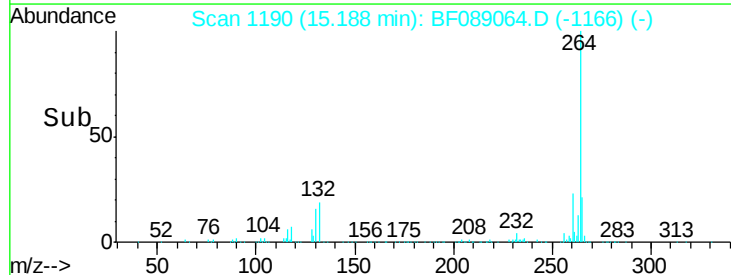
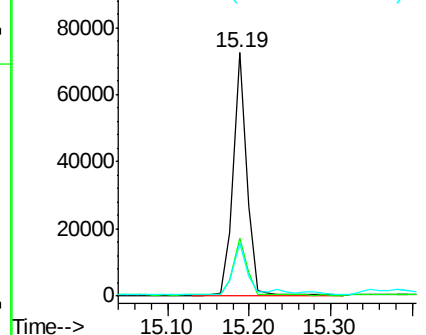


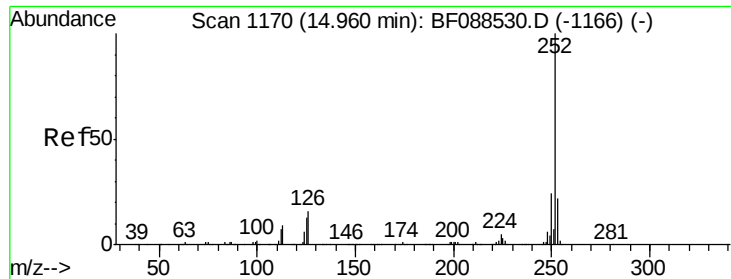
Abundance

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





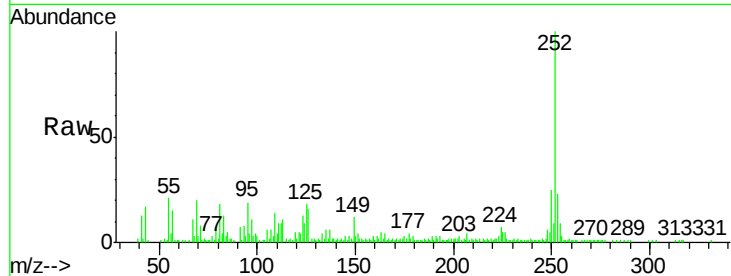
#87
Benzo(b)fluoranthene
Concen: 12.14 ng m
RT: 14.81 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF089064.D
Acq: 16 Jul 2016 19:43

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB07(0-2in)

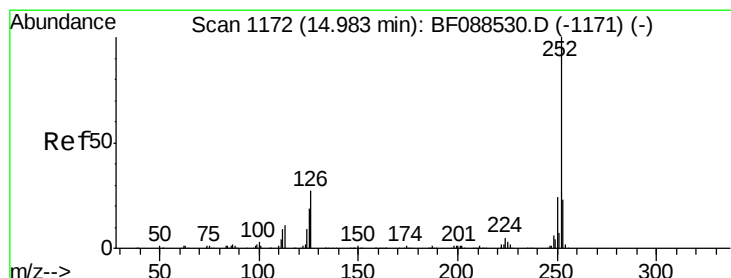
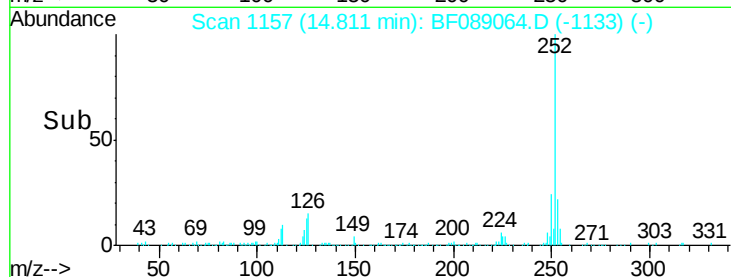
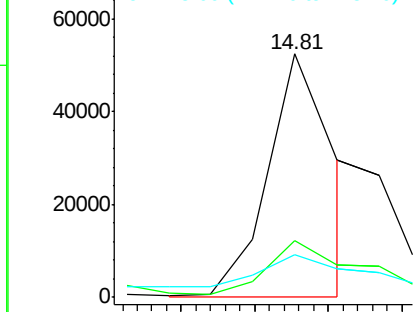
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	17.6	7.1	10.7

Manual Integrations

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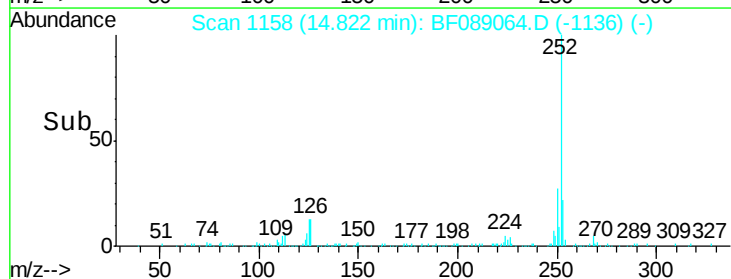
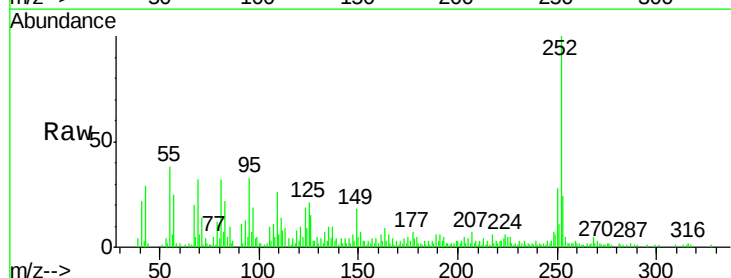
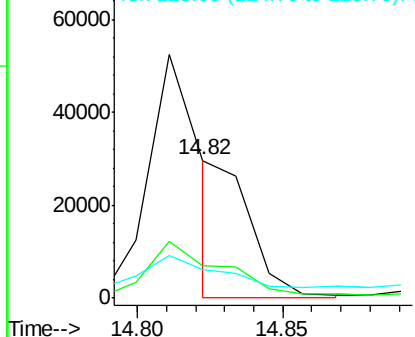
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

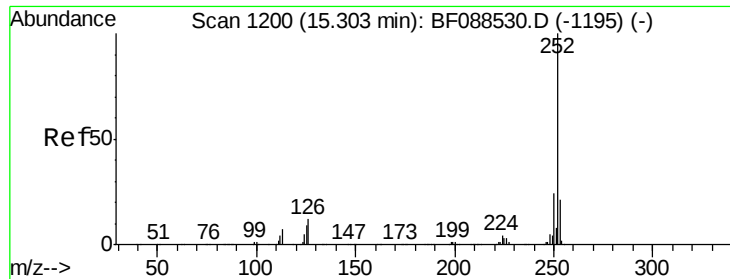


#88
Benzo(k)fluoranthene
Concen: 4.87 ng m
RT: 14.82 min Scan# 1158
Delta R.T. -0.05 min
Lab File: BF089064.D
Acq: 16 Jul 2016 19:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	20.8	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





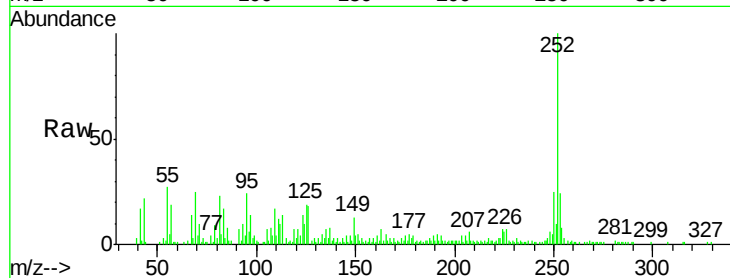
#89
Benzo(a)pyrene
Concen: 8.97 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.03 min
Lab File: BF089064.D
Acq: 16 Jul 2016 19:43

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB07(0-2in)

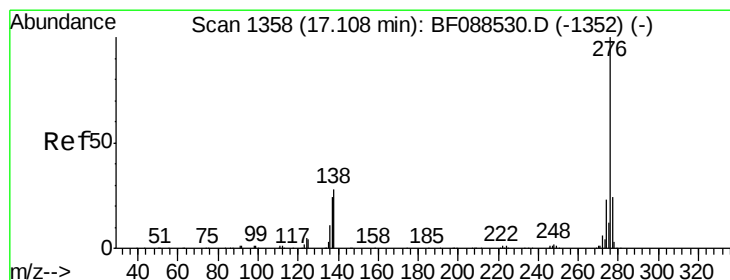
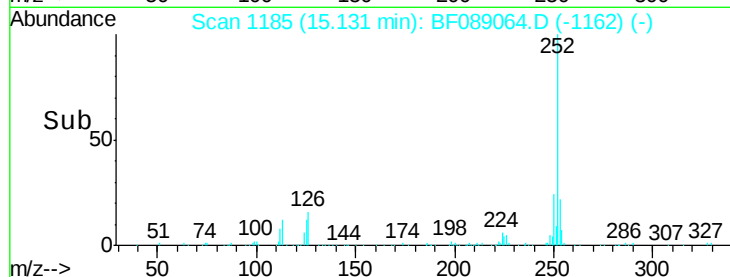
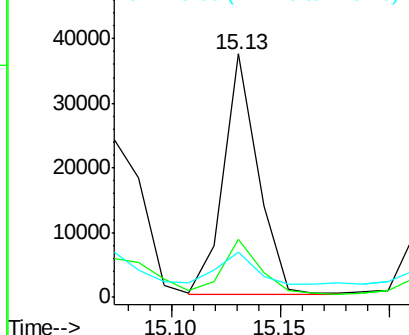
Tot Ion:	252	Resp:	40901
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.9	26.9
125	18.6	12.5	18.7

Manual Integrations

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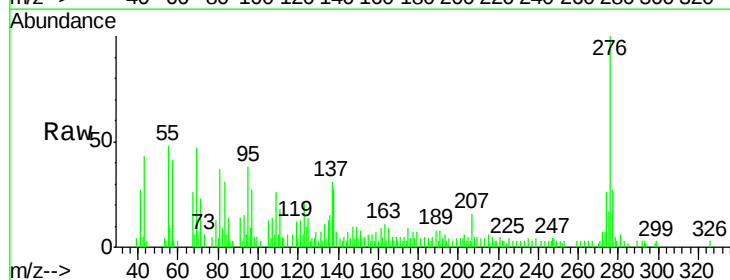


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.75 ng
RT: 16.86 min Scan# 1336
Delta R.T. -0.03 min
Lab File: BF089064.D
Acq: 16 Jul 2016 19:43

Tgt Ion:	276	Resp:	26598
Ion Ratio	Lower	Upper	
276	100		
277	27.2	18.9	28.3
138	27.4	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

