

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
 Data File : BF089007.D
 Acq On : 15 Jul 2016 1:51
 Operator : UM/SJ
 Sample : H3995-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB12(0-2in)

Manual Integrations

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Quant Time: Jul 15 15:11:28 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	48720	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	186925	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	66949	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	132582	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	91862	20.00	ng	-0.03
86) Perylene-d12	15.19	264	65716	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	439184	135.10	ng	0.00
7) Phenol-d6	6.34	99	572025	136.18	ng	-0.01
23) Nitrobenzene-d5	7.26	82	320197	89.77	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	84307	135.61	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	456471	107.70	ng	-0.02
78) Terphenyl-d14	12.78	244	356682	86.48	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.45	163	74423	15.60	ng	99
70) Phenanthrene	11.22	178	32287	4.45	ng	97
74) Fluoranthene	12.40	202	79247	10.79	ng	99
77) Pyrene	12.63	202	80685	10.36	ng	97
79) Butylbenzylphthalate	13.26	149	17829	5.13	ng	# 83
80) Benzo(a)anthracene	13.81	228	38395	6.49	ng	# 90
82) Chrysene	13.85	228	30537m	5.22	ng	
83) Bis(2-ethylhexyl)phthalate	13.82	149	18278	4.61	ng	99
85) Indeno(1,2,3-cd)pyrene	16.47	276	15773	3.50	ng	# 100
87) Benzo(b)fluoranthene	14.81	252	43537m	10.56	ng	
88) Benzo(k)fluoranthene	14.83	252	7337m	2.04	ng	
89) Benzo(a)pyrene	15.13	252	24501	7.02	ng	# 88
91) Benzo(a,h,i)perylene	16.86	276	17204	5.70	ng	92

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

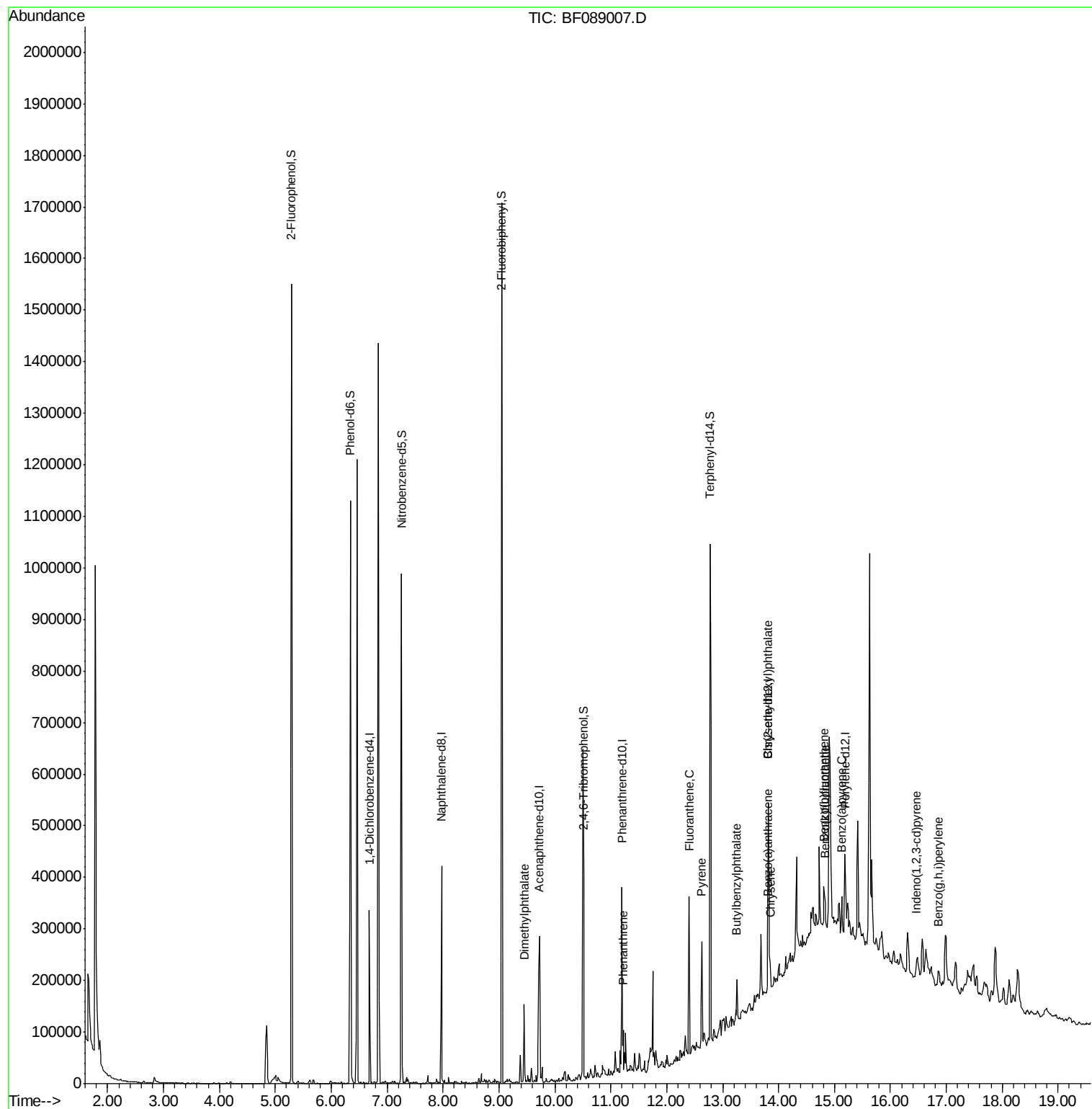
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
Data File : BF089007.D
Acq On : 15 Jul 2016 1:51
Operator : UM/SJ
Sample : H3995-02
Misc :
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Instrument :
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB12(0-2in)

Tot Ion:152 Resp: 48720

Ion Ratio Lower Upper

152 100

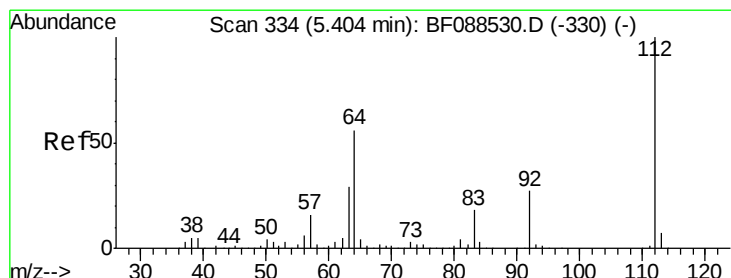
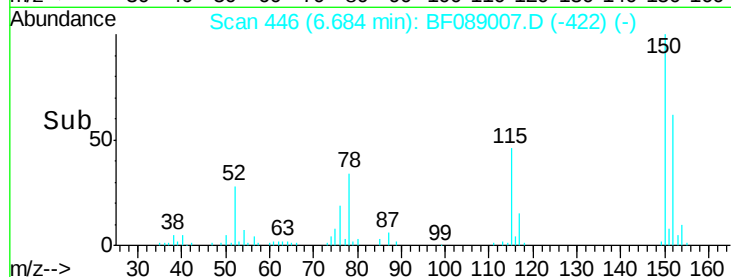
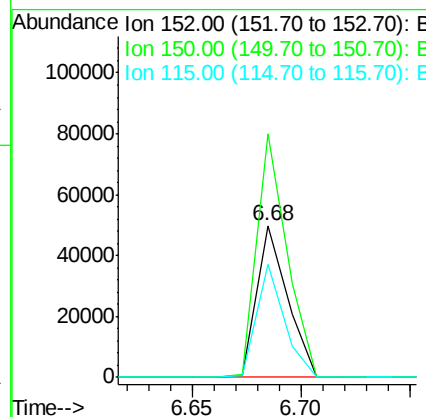
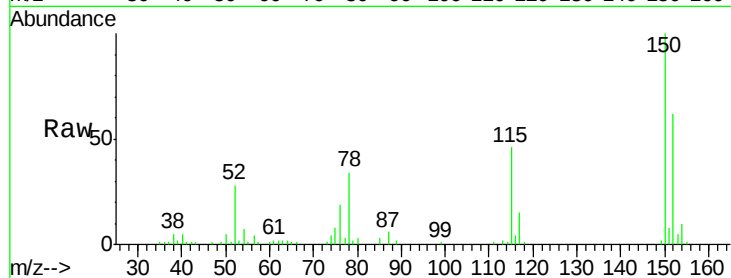
150 160.6 123.8 185.6

115 74.5 39.6 59.4#

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#5

2-Fluorophenol

Concen: 135.10 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.00 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

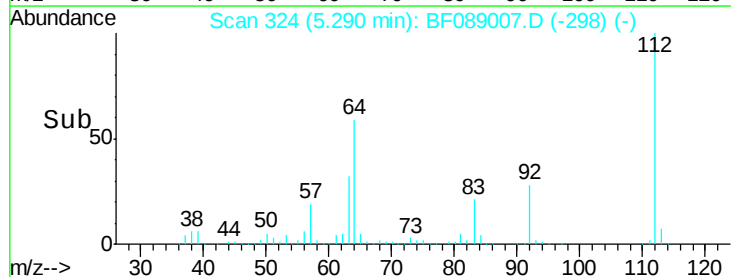
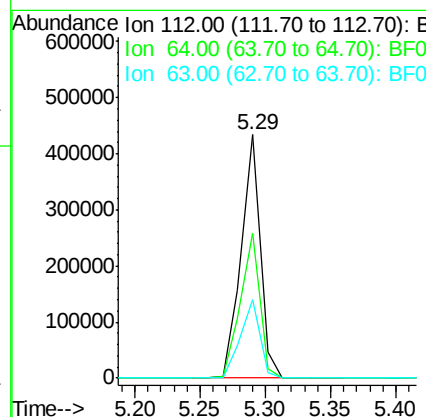
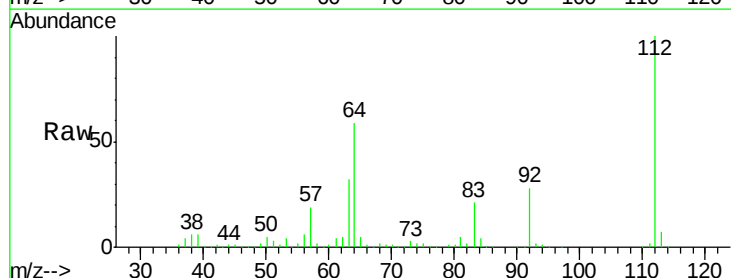
Tgt Ion:112 Resp: 439184

Ion Ratio Lower Upper

112 100

64 59.3 42.2 63.2

63 32.0 21.8 32.8





#7

Phenol-d6

Concen: 136.18 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB12(0-2in)

Tot Ion: 99 Resp: 572025

Ion Ratio Lower Upper

99 100

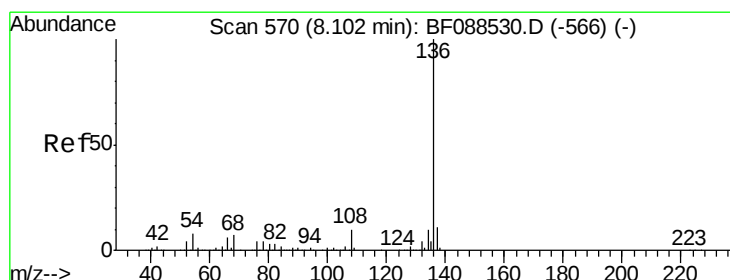
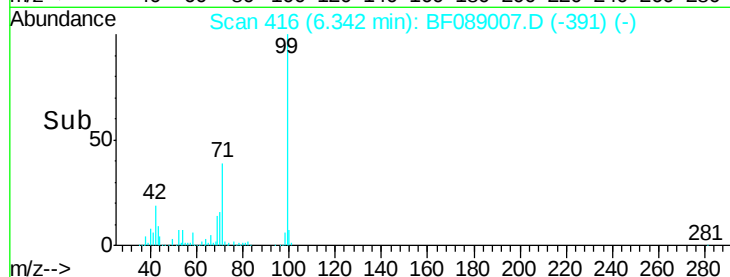
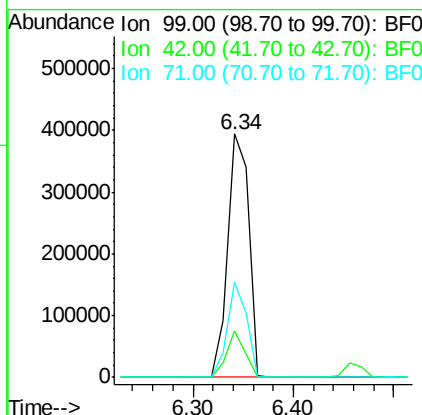
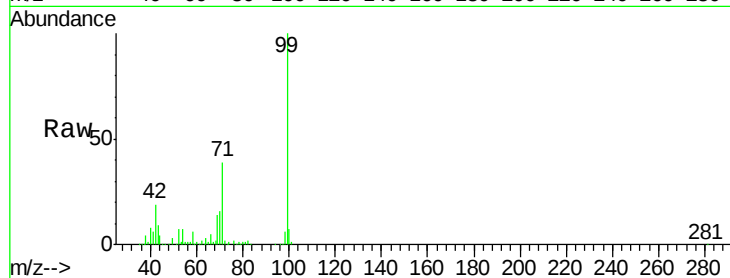
42 19.0 12.2 18.2#

71 39.3 23.4 35.0#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

Tgt Ion: 136 Resp: 186925

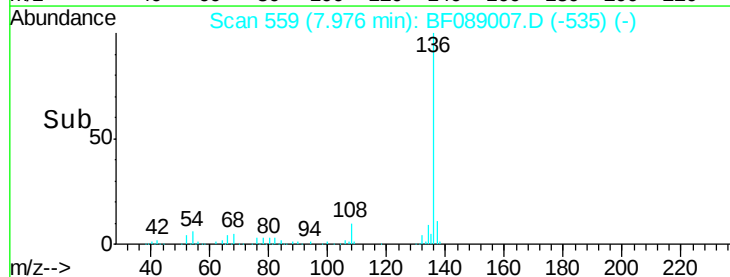
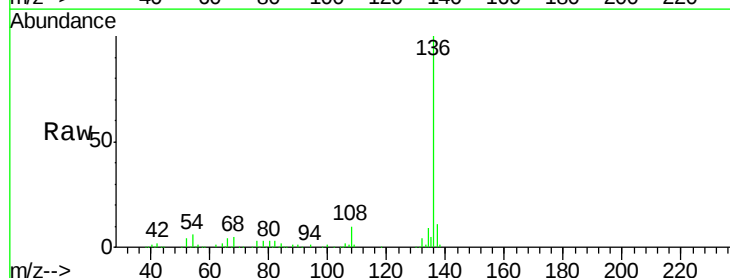
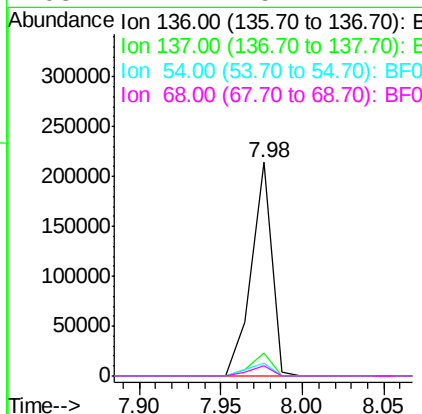
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.9 6.6 10.0#

68 4.7 5.1 7.7#





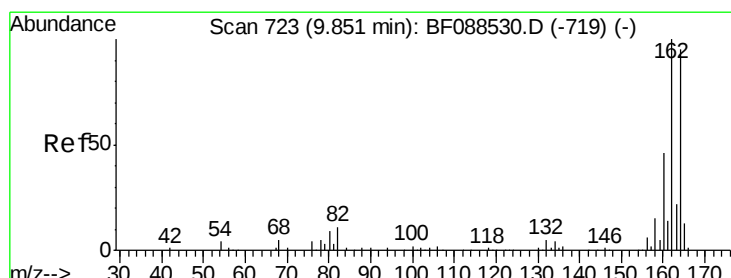
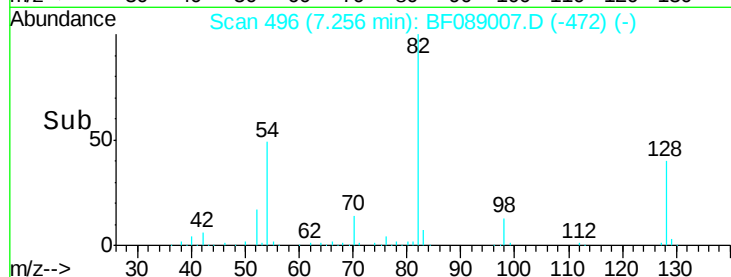
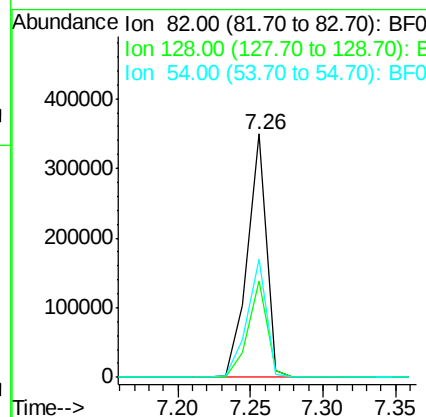
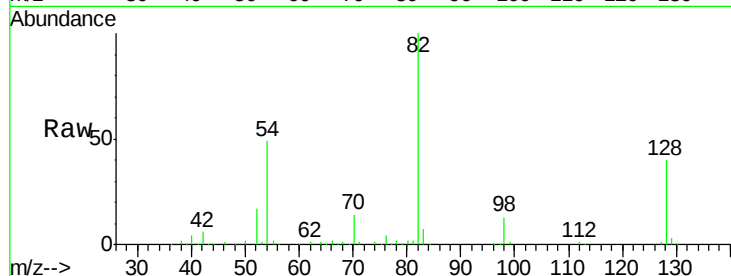
#23
 Nitrobenzene-d5
 Concen: 89.77 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB12(0-2in)

Tot Ion	82	Resp	320197
Ion Ratio	Lower	Upper	
82	100		
128	39.7	35.9	53.9
54	48.7	40.9	61.3

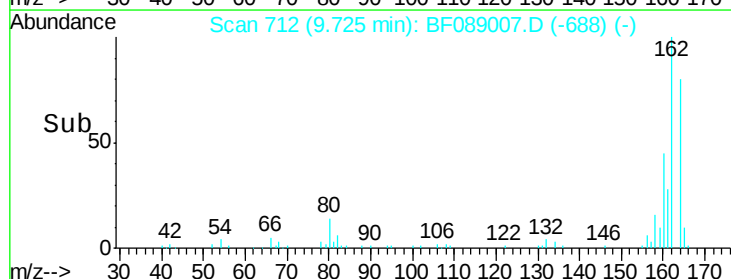
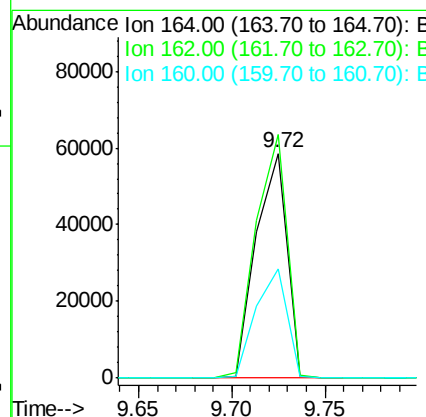
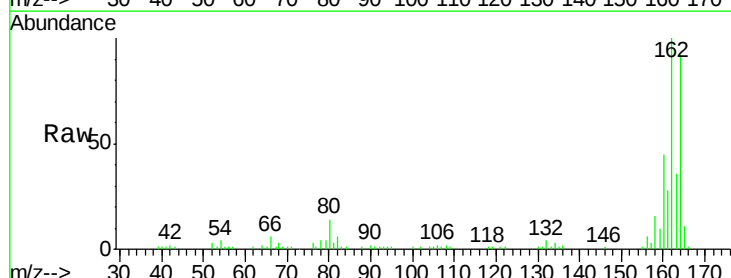
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.72 min Scan# 712
 Delta R.T. -0.02 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

Tgt Ion	164	Resp	66949
Ion Ratio	Lower	Upper	
164	100		
162	108.3	85.4	128.2
160	48.7	39.5	59.3





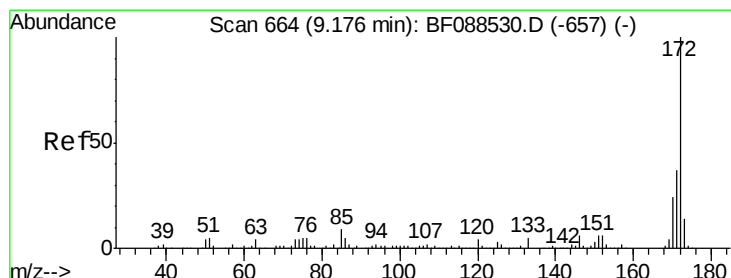
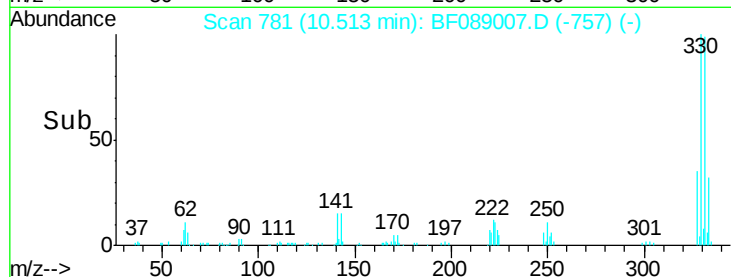
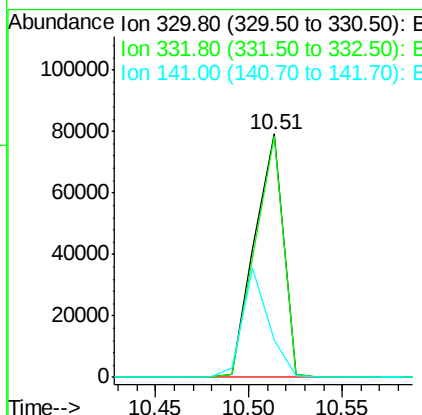
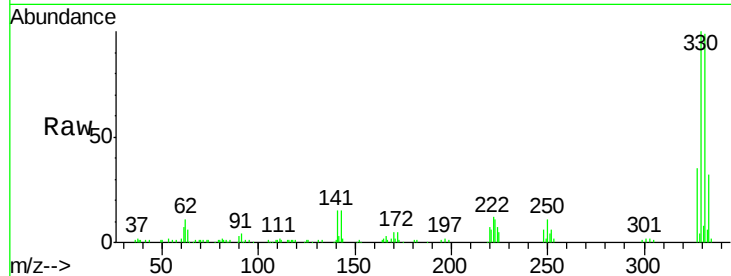
#41
 2,4,6-Tribromophenol
 Concen: 135.61 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB12(0-2in)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	84307		
332	97.3	0.0	0.0	0.0
141	41.5	0.0	0.0	0.0

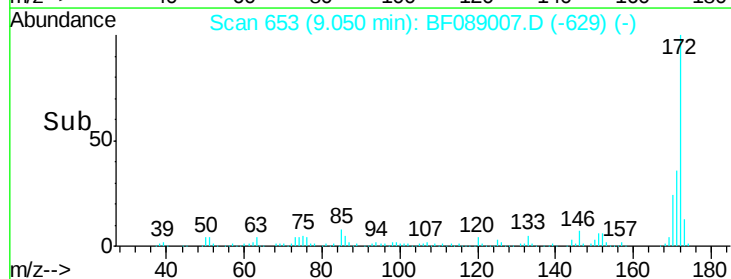
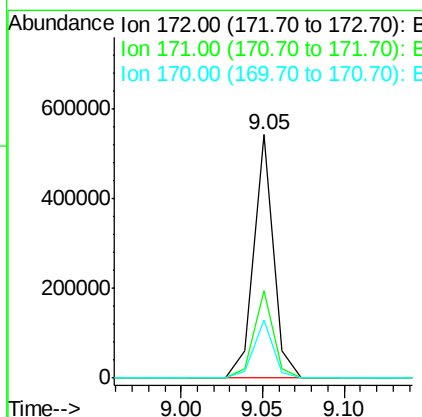
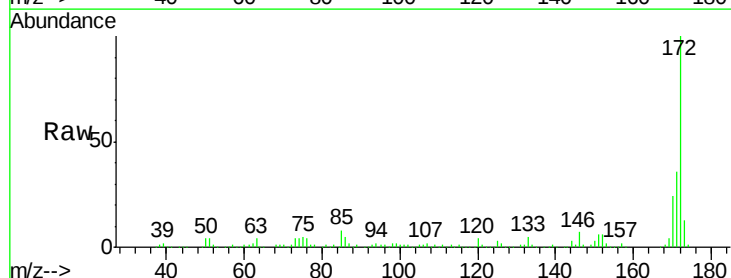
Manual Integrations

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#44
 2-Fluorobiphenyl
 Concen: 107.70 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	456471		
171	36.1	28.6	43.0	
170	23.7	19.2	28.8	





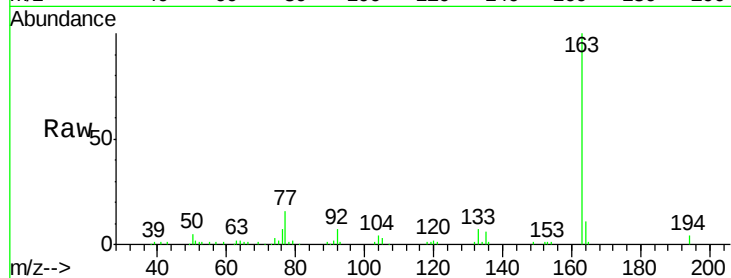
#49
Dimethylphthalate
Concen: 15.60 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.03 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB12(0-2in)

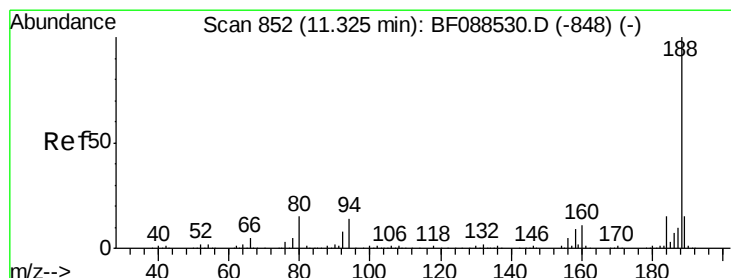
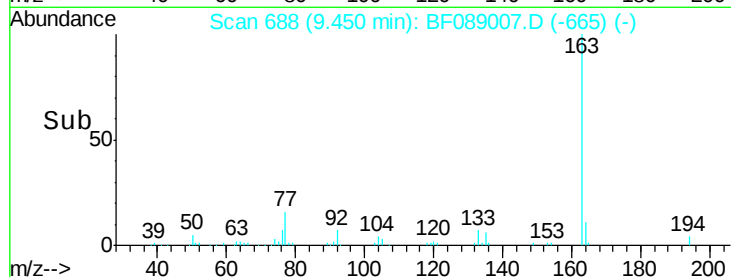
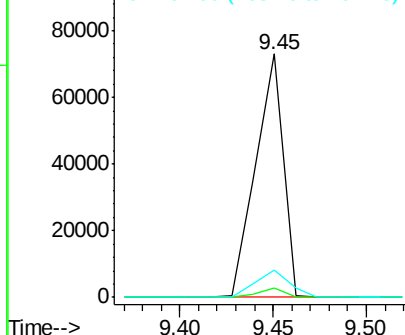
Tot Ion:163 Resp: 74423
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 11.0 8.3 12.5

Manual Integrations

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7/15/2016 7:27:22 PM

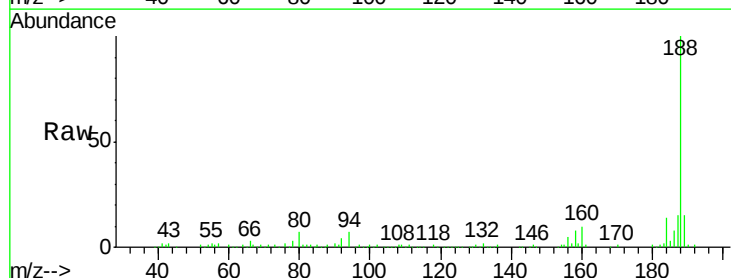


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

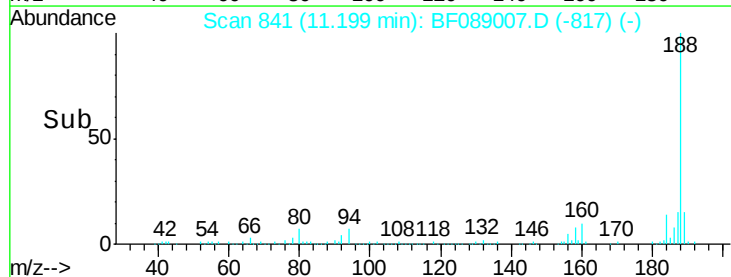
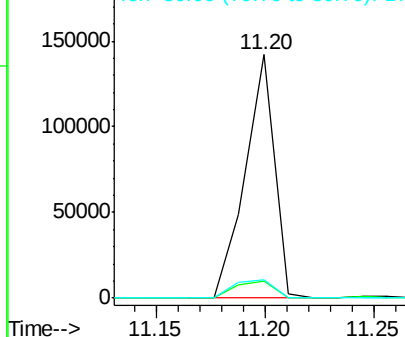


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.02 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

Tgt Ion:188 Resp: 132582
Ion Ratio Lower Upper
188 100
94 6.9 9.0 13.6#
80 7.3 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





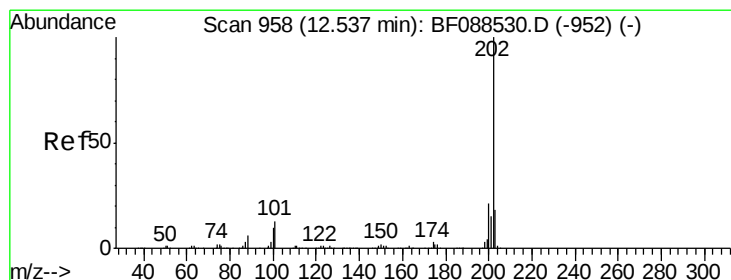
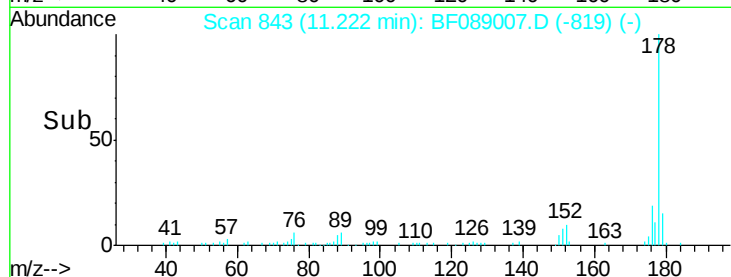
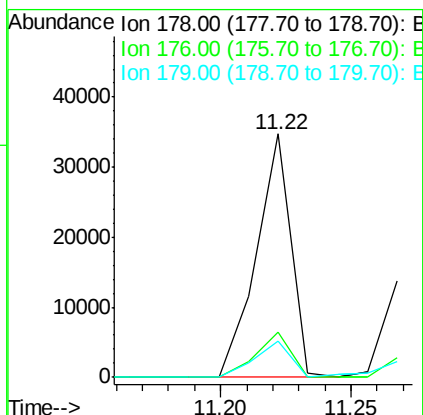
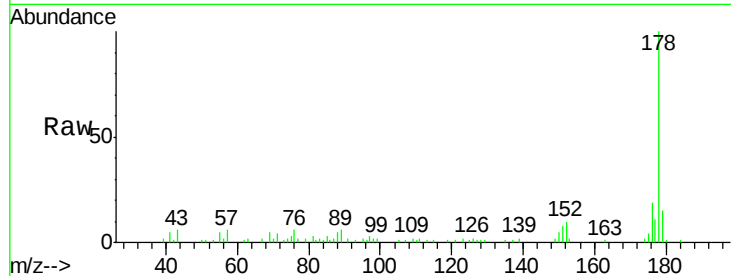
#70
Phenanthrene
Concen: 4.45 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.02 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB12(0-2in)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.6
179	15.0	13.0	19.4

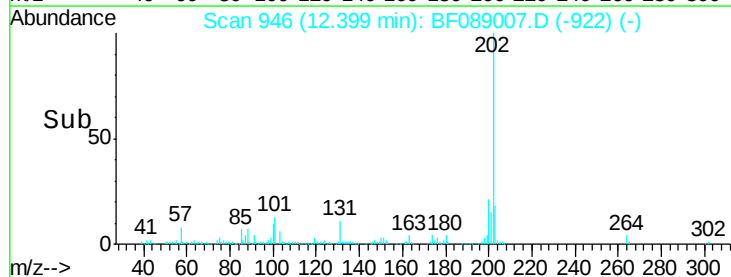
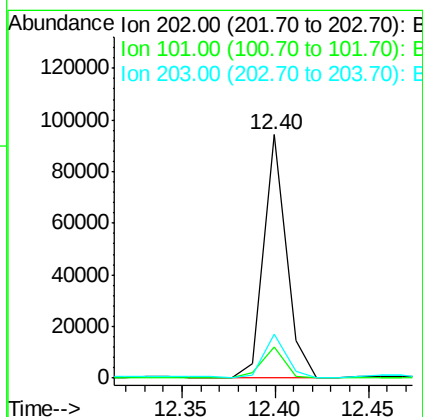
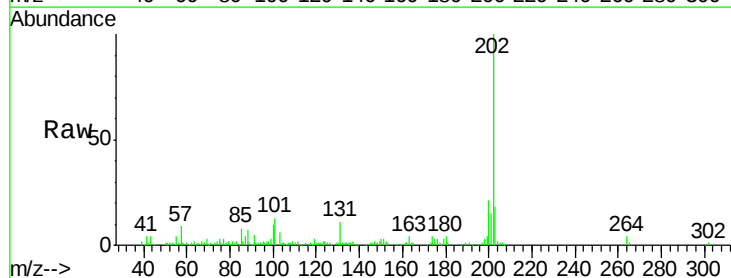
Manual Integrations

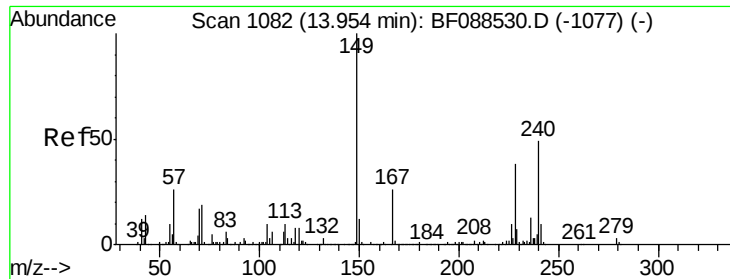
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#74
Fluoranthene
Concen: 10.79 ng
RT: 12.40 min Scan# 946
Delta R.T. -0.02 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.1
203	17.9	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: BF089007.D

Acq: 15 Jul 2016 1:51

Instrument :

BNA_F

ClientSampleId :

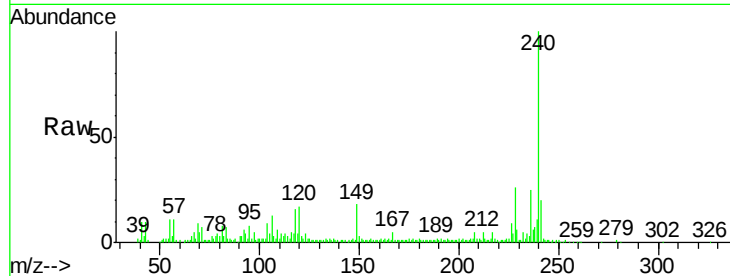
LSS-SB-SB12(0-2in)

Tot Ion	Ion	Ratio	Lower	Upper
240	100			
120	17.2	6.8	10.2	
236	25.3	20.2	30.2	

Manual Integrations

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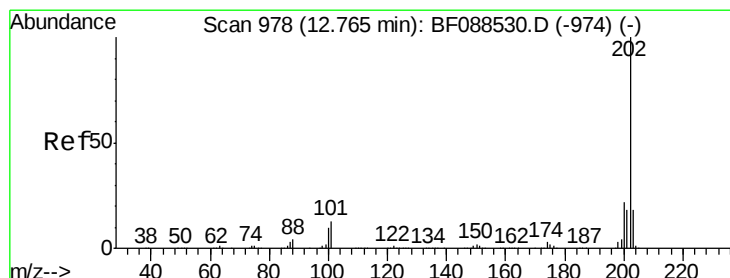
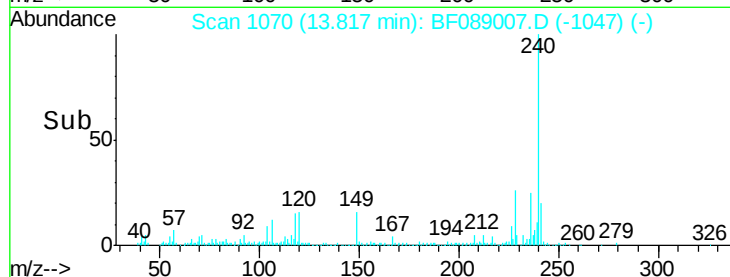
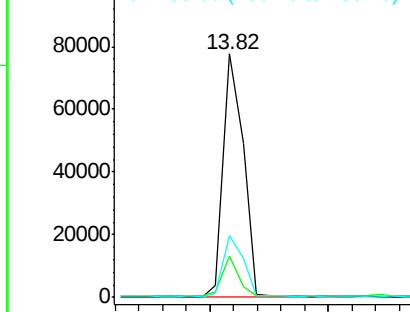
7/15/2016 7:27:22 PM



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: 10.36 ng

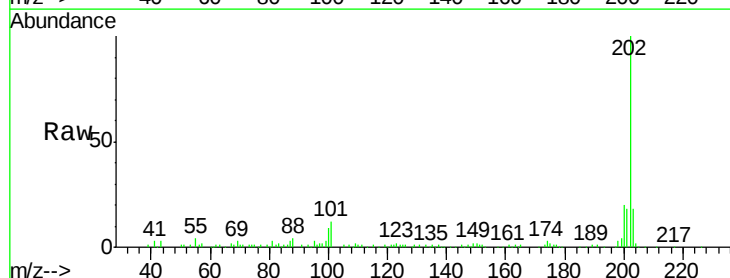
RT: 12.63 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

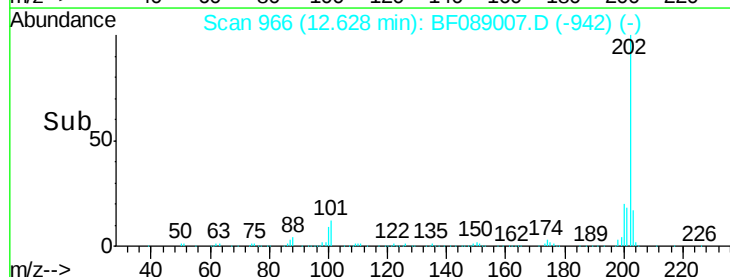
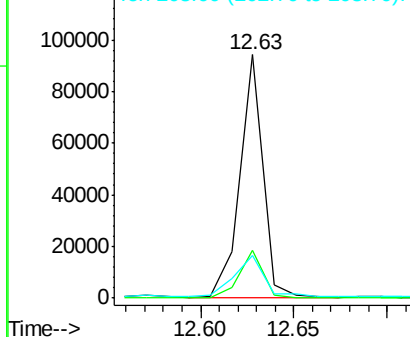
Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
200	19.6	17.4	26.2	
203	17.5	14.5	21.7	

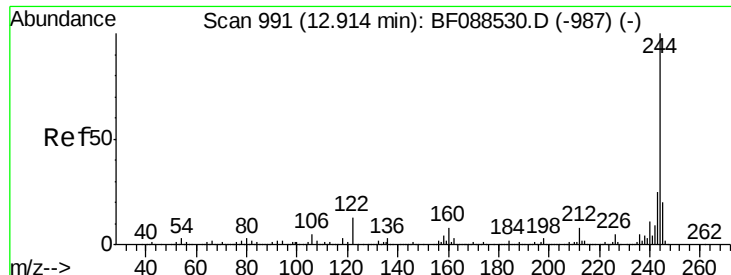


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





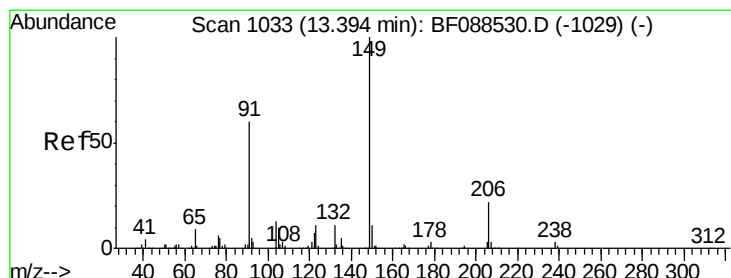
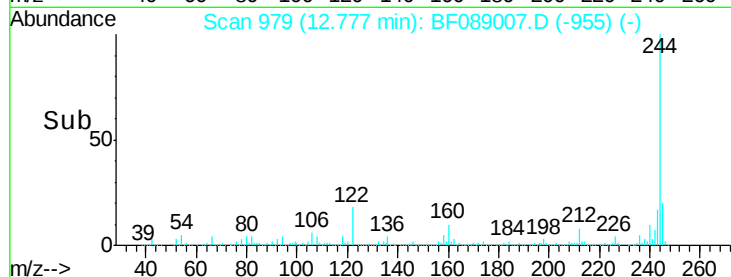
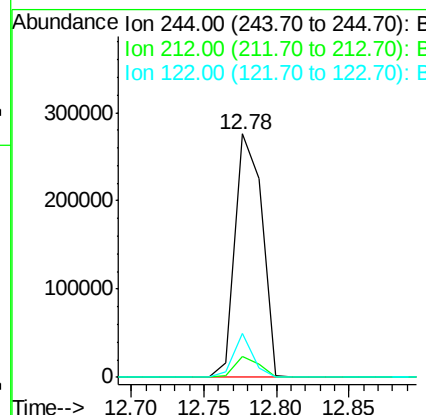
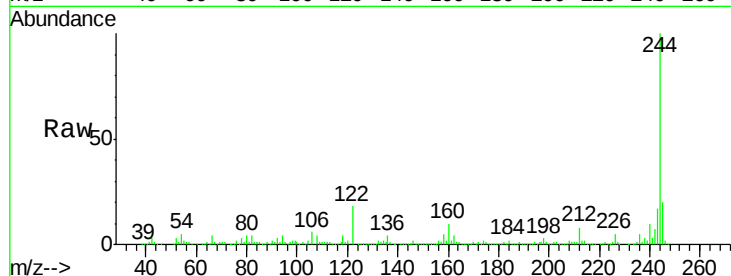
#78
 Terphenyl-d14
 Concen: 86.48 ng
 RT: 12.78 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB12(0-2in)

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.0	9.0
122	17.9	11.2	16.8

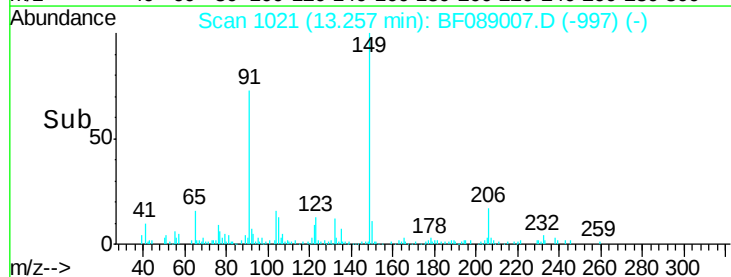
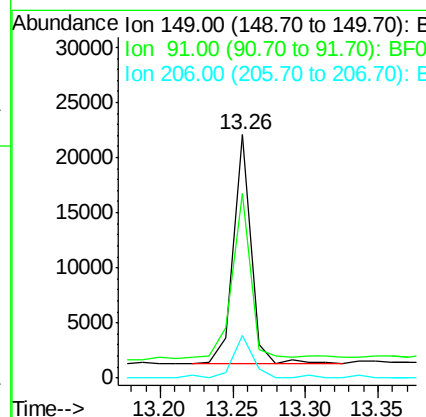
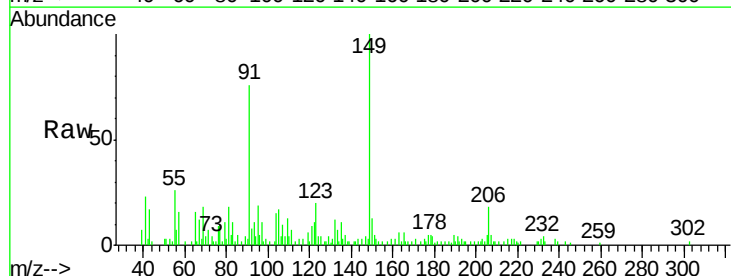
Manual Integrations

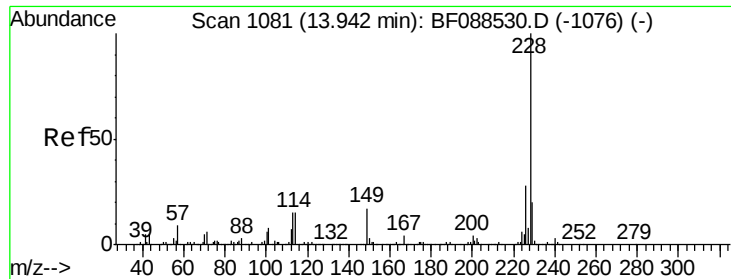
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#79
 Butylbenzylphthalate
 Concen: 5.13 ng
 RT: 13.26 min Scan# 1021
 Delta R.T. -0.02 min
 Lab File: BF089007.D
 Acq: 15 Jul 2016 1:51

Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.9	48.0	72.0
206	17.6	16.0	24.0





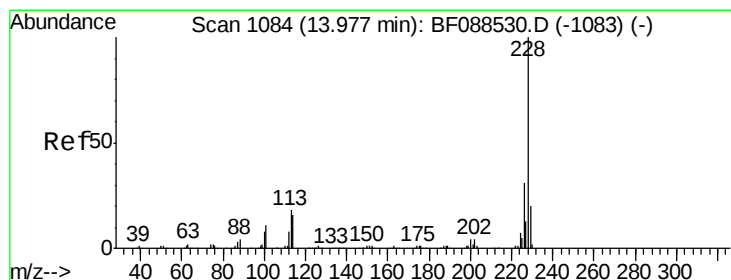
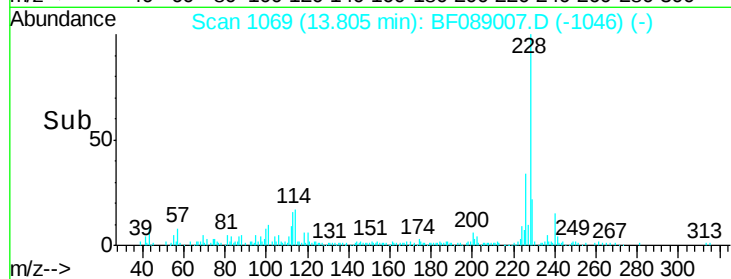
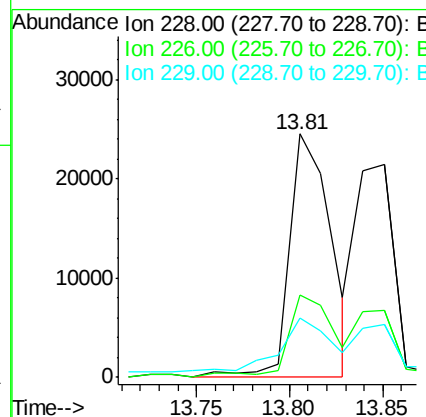
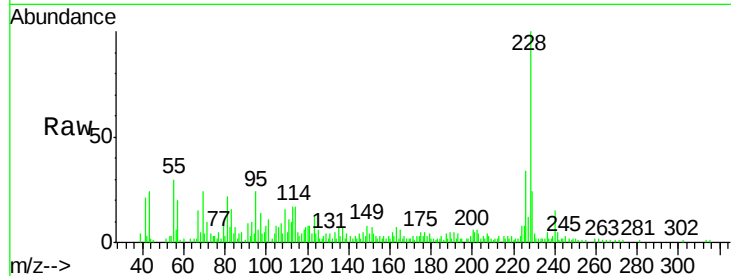
#80
Benzo(a)anthracene
Concen: 6.49 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB12(0-2in)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.9	22.3	33.5#
229	24.1	16.0	24.0#

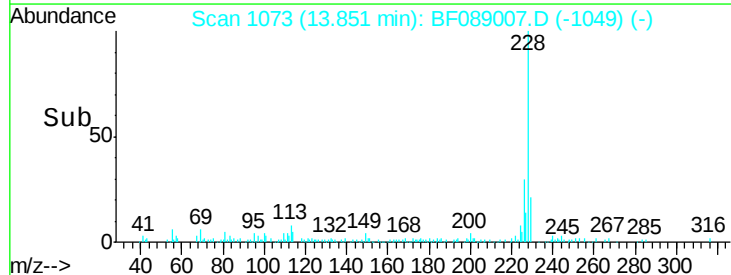
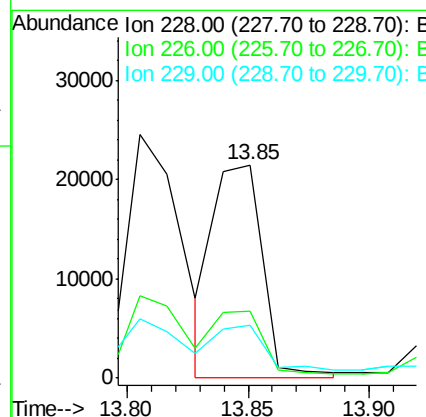
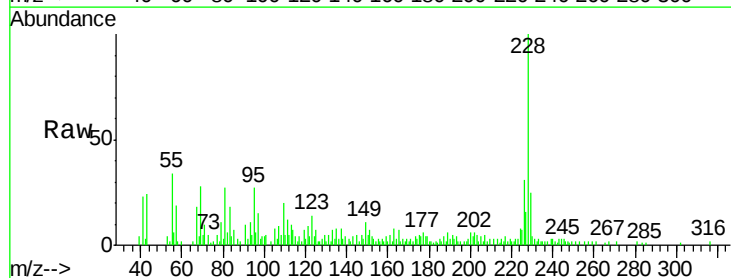
Manual Integrations

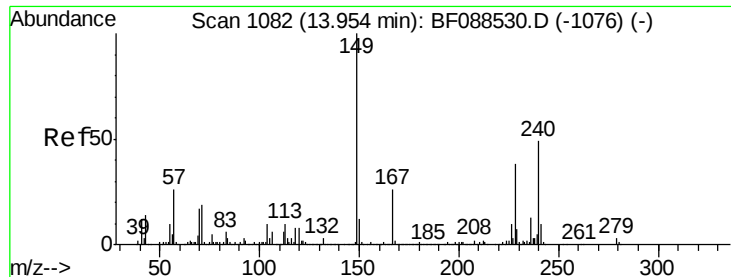
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7/15/2016 7:27:22 PM



#82
Chrysene
Concen: 5.22 ng m
RT: 13.85 min Scan# 1073
Delta R.T. -0.02 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.4	38.2
229	24.9	16.3	24.5#





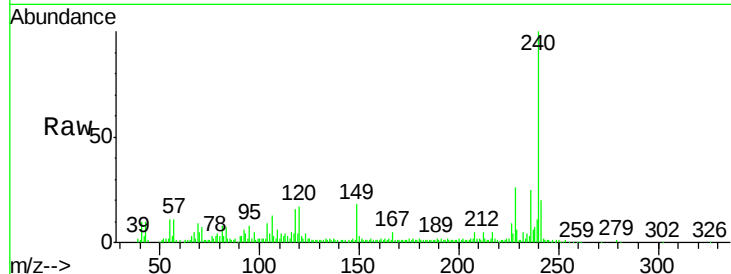
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.61 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB12(0-2in)

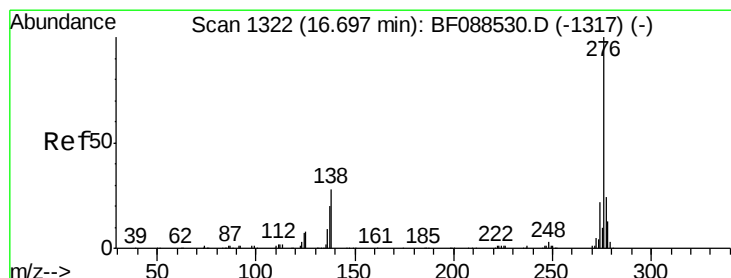
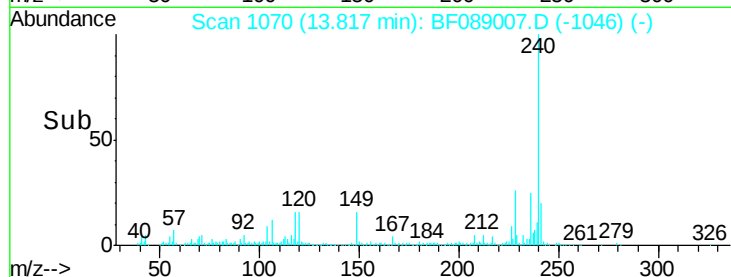
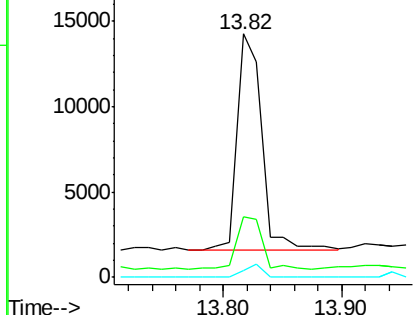
Tot Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.5	30.7
279	2.9	2.0	3.0

Manual Integrations

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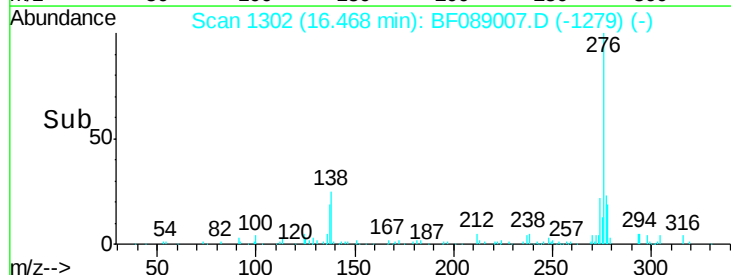
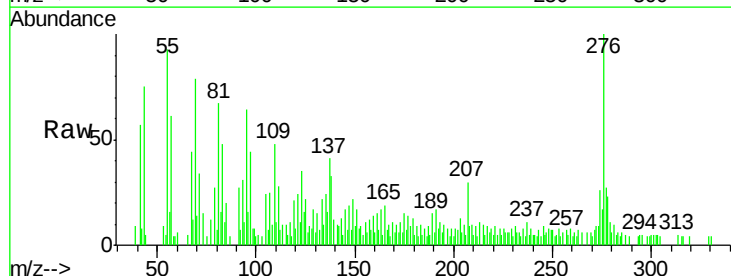
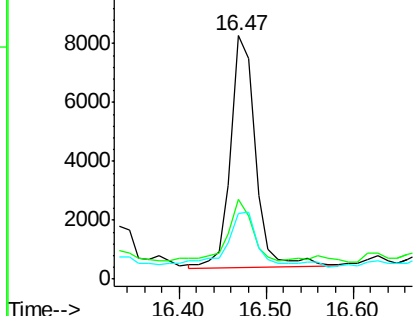
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

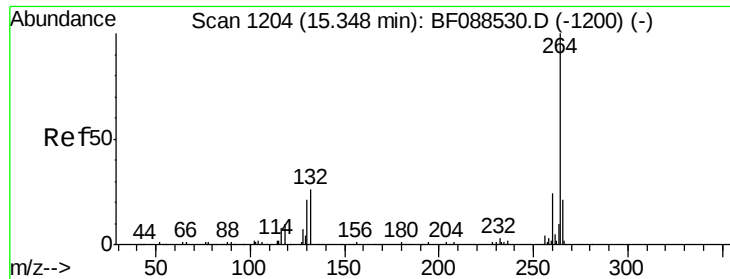


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.50 ng
RT: 16.47 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.2	0.0	0.0#
277	25.6	0.0	0.0#

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





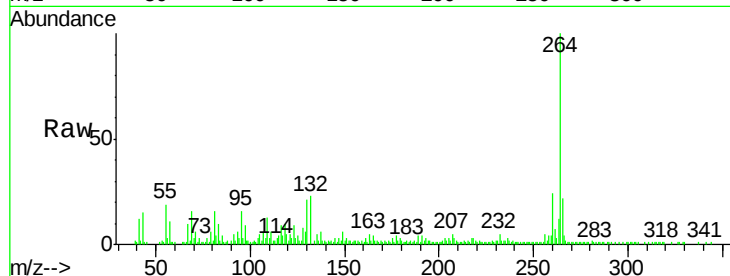
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB12(0-2in)

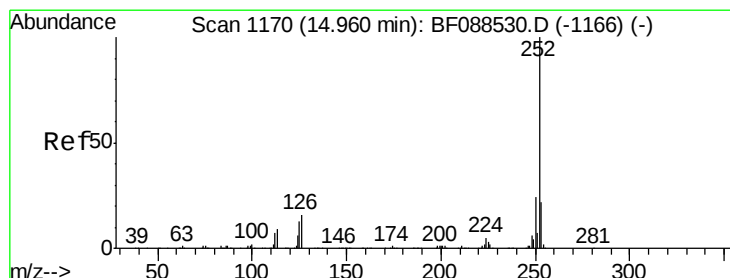
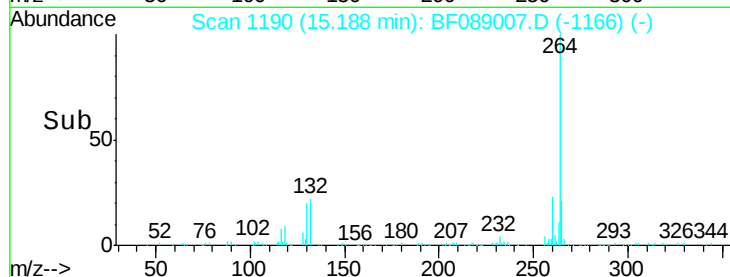
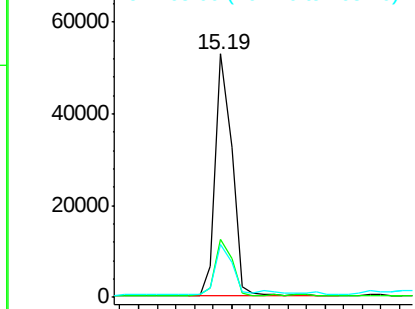
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.8	16.9	25.3

Manual Integrations

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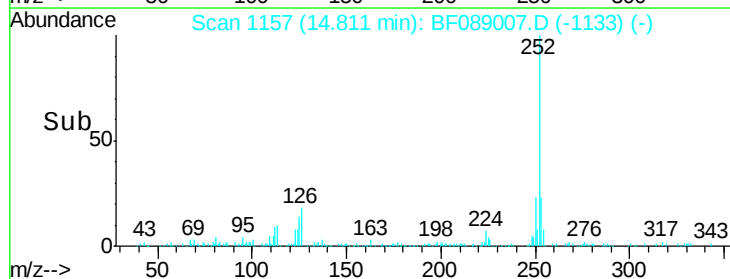
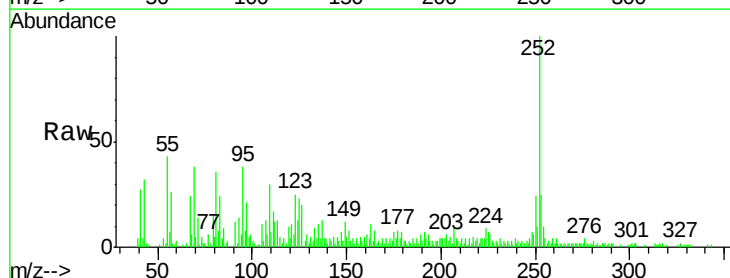
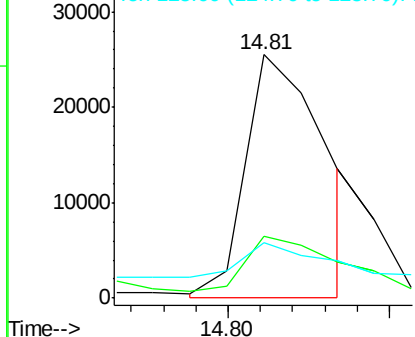
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

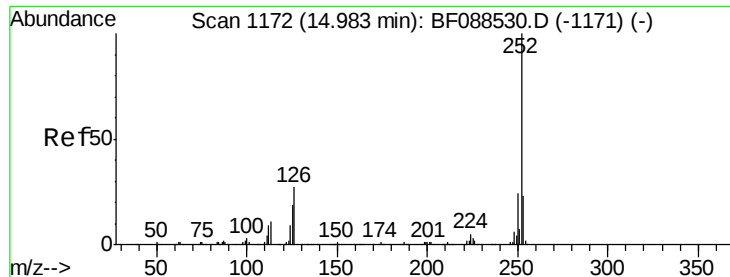


#87
Benzo(b)fluoranthene
Concen: 10.56 ng m
RT: 14.81 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.4	26.2
125	22.6	7.1	10.7

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





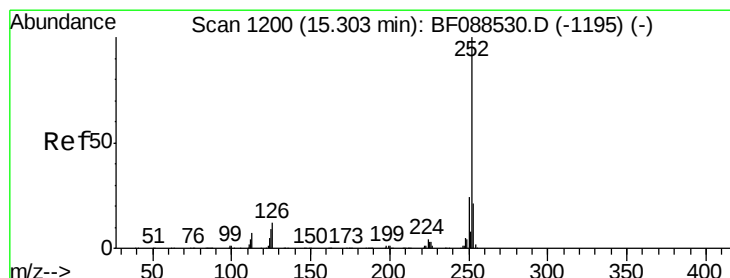
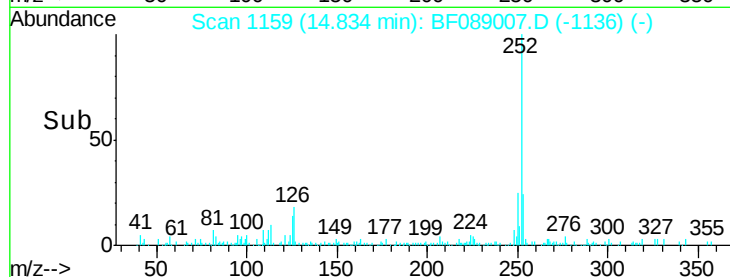
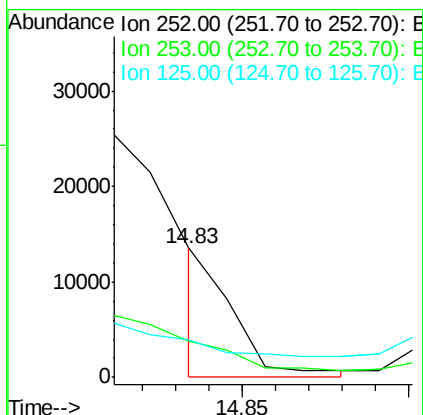
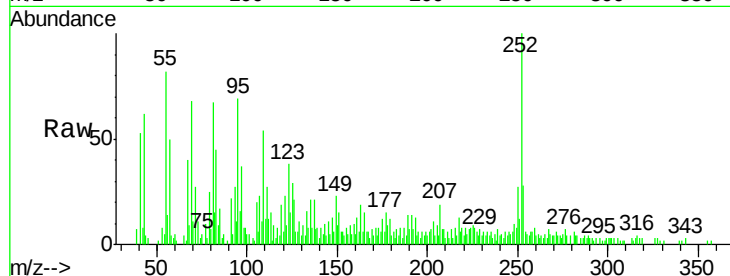
#88
Benzo(k)fluoranthene
Concen: 2.04 ng/ml
RT: 14.83 min Scan# 1159
Delta R.T. -0.03 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB12(0-2in)

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.0	27.0#
125	28.6	11.2	16.8#

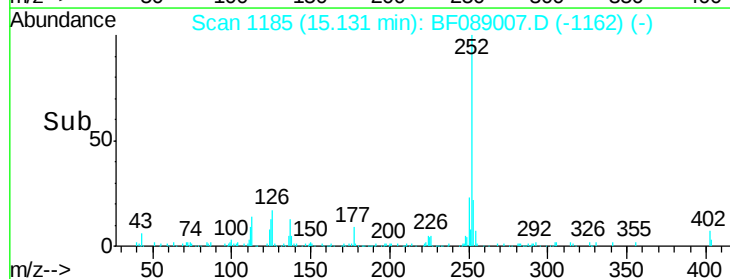
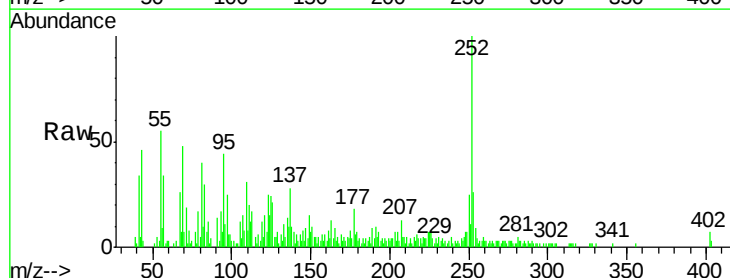
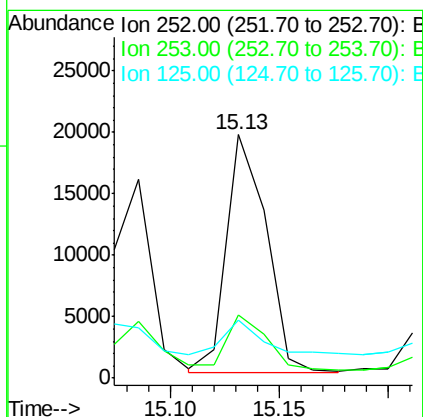
Manual Integrations

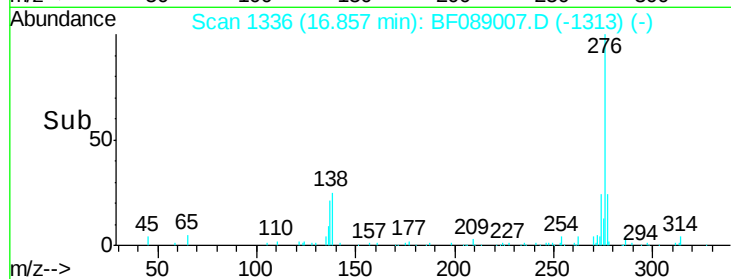
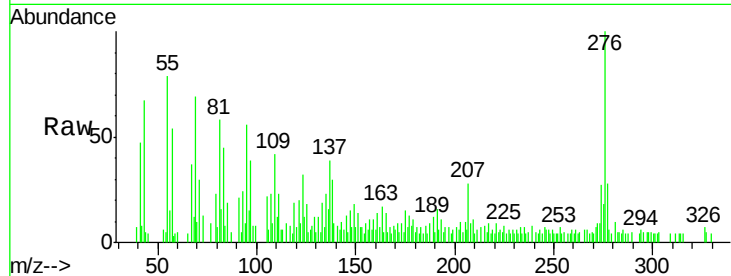
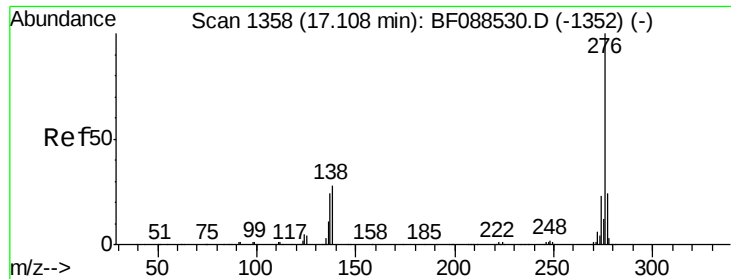
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7/15/2016 7:27:22 PM



#89
Benzo(a)pyrene
Concen: 7.02 ng/ml
RT: 15.13 min Scan# 1185
Delta R.T. -0.03 min
Lab File: BF089007.D
Acq: 15 Jul 2016 1:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.9	26.9
125	23.6	12.5	18.7#





#91

Benzo(a,h,i)perylene

Concen: 5.70 ng

RT: 16.86 min Scan# 1336

Delta R.T. -0.03 min

Lab File: BF089007.D

Acq: 15 Jul 2016 1:51

Tot Ion:	276	Resp:	17204
Ion Ratio	Lower	Upper	
276	100		
277	28.0	18.9	28.3
138	30.1	21.4	32.2

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB12(0-2in)

Manual Integrations

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7/15/2016 7:27:22 PM

