

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
 Data File : BF088685.D
 Acq On : 4 Jul 2016 10:11
 Operator : UM/SJ
 Sample : H3769-01
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B1(00-0.5)

Manual Integrations

umangi
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Quant Time: Jul 05 17:07:24 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 01:06:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	117418	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	403643	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	168719	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	271146	20.00	ng	0.01
75) Chrysene-d12	13.93	240	196225	20.00	ng	0.01
86) Perylene-d12	15.33	264	172997	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	606557	77.42	ng	0.01
7) Phenol-d6	6.42	99	747903	73.88	ng	0.00
23) Nitrobenzene-d5	7.35	82	477870	62.04	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	131885	84.18	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	861397	80.65	ng	0.00
78) Terphenyl-d14	12.88	244	495888	56.29	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.54	163	102752	8.55	ng	98
70) Phenanthrene	11.32	178	327267	22.08	ng	98
71) Anthracene	11.37	178	89842	6.10	ng	98
72) Carbazole	11.52	167	34235	2.47	ng	98
74) Fluoranthene	12.50	202	494215	32.89	ng	97
77) Pyrene	12.73	202	477001	28.67	ng	99
80) Benzo(a)anthracene	13.92	228	269701	21.35	ng	97
82) Chrysene	13.95	228	222888m	17.83	ng	
85) Indeno(1,2,3-cd)pyrene	16.65	276	106661	11.09	ng	# 100
87) Benzo(b)fluoranthene	14.93	252	308264m	28.41	ng	
88) Benzo(k)fluoranthene	14.95	252	45836m	4.85	ng	
89) Benzo(a)pyrene	15.27	252	182331m	19.84	ng	
90) Dibenzo(a,h)anthracene	16.66	278	27019	3.52	ng	# 90
91) Benzo(a,h,i)perylene	17.05	276	97837	12.32	ng	98

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

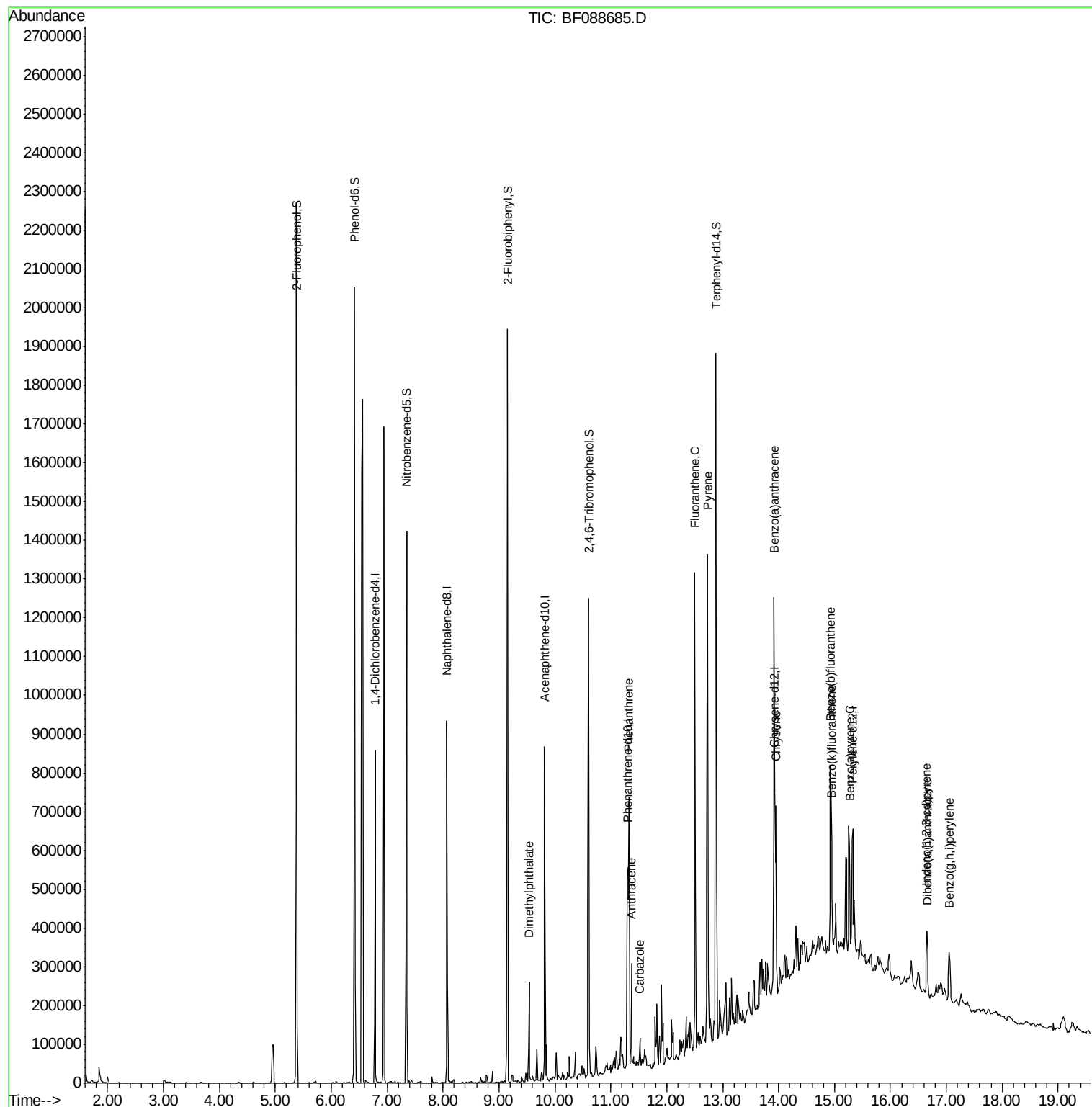
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
Data File : BF088685.D
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ALS Vial : 44 Sample Multiplier: 1

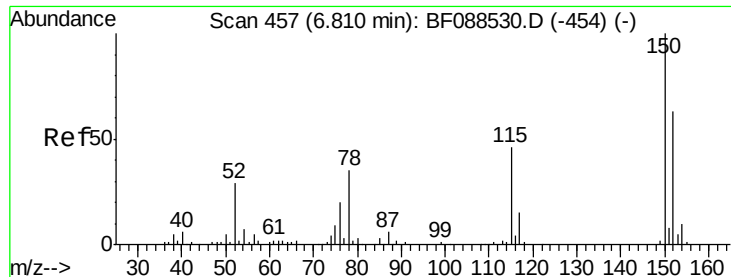
Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

Manual Integrations

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#1

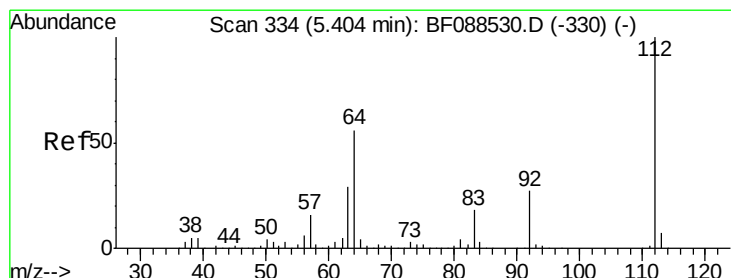
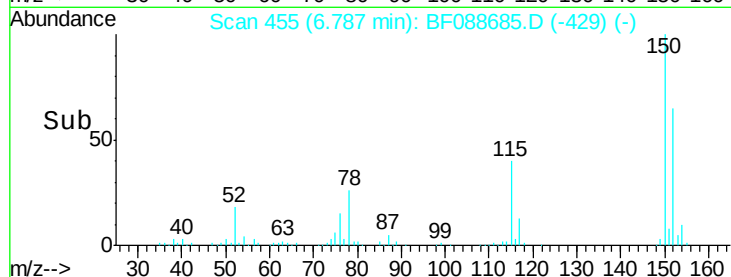
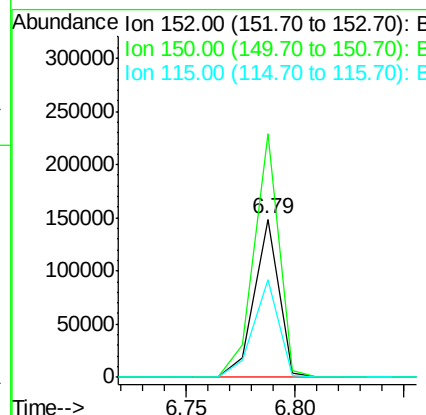
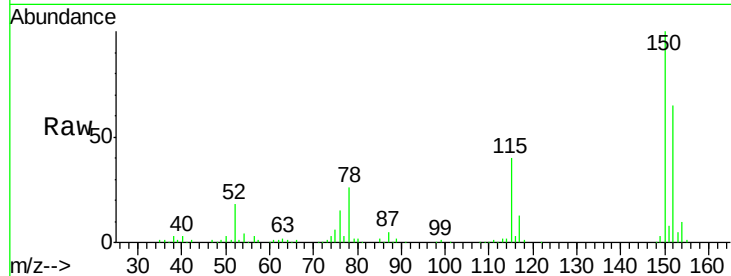
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF088685.D
Acq: 4 Jul 2016 10:11

Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	123.8	185.6
115	62.0	39.6	59.4

Manual Integrations

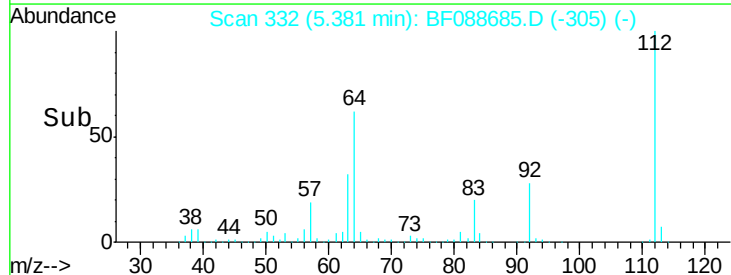
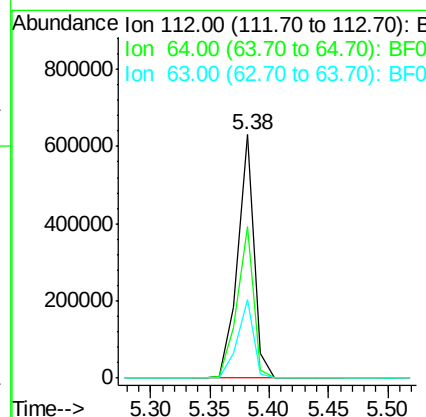
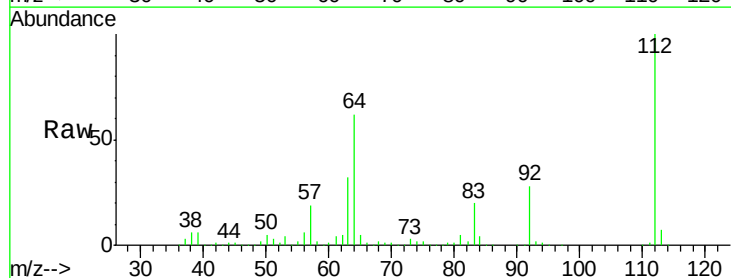
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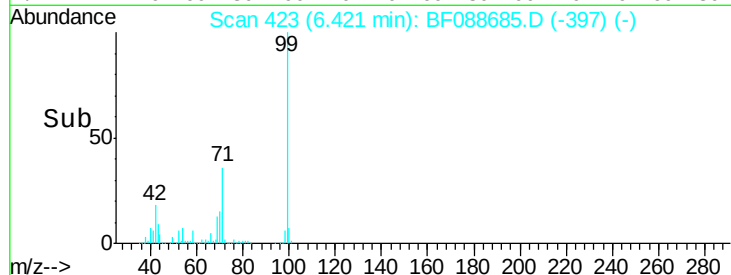
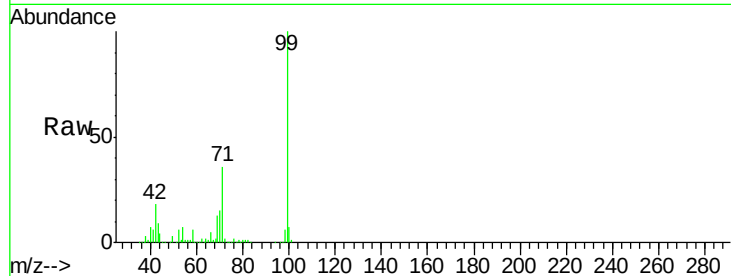
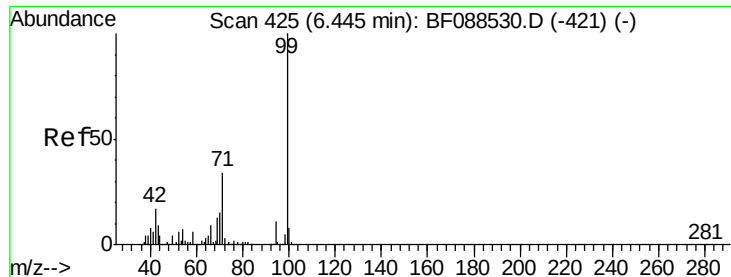


#5

2-Fluorophenol
Concen: 77.42 ng
RT: 5.38 min Scan# 332
Delta R.T. 0.01 min
Lab File: BF088685.D
Acq: 4 Jul 2016 10:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	42.2	63.2
63	32.3	21.8	32.8





#7

Phenol-d6

Concen: 73.88 ng

RT: 6.42 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF088685.D

Acq: 4 Jul 2016 10:11

Tot Ion: 99 Resp: 747903

Ion Ratio Lower Upper

99 100

42 17.8 12.2 18.2

71 36.4 23.4 35.0#

Instrument :

BNA_F

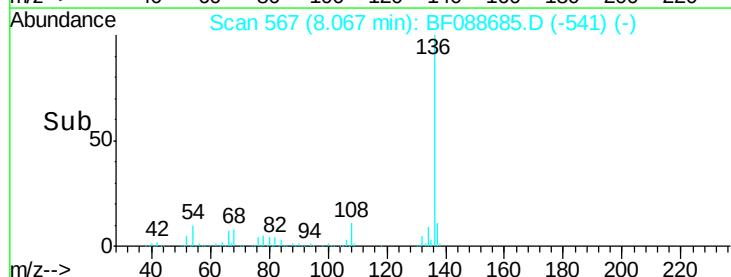
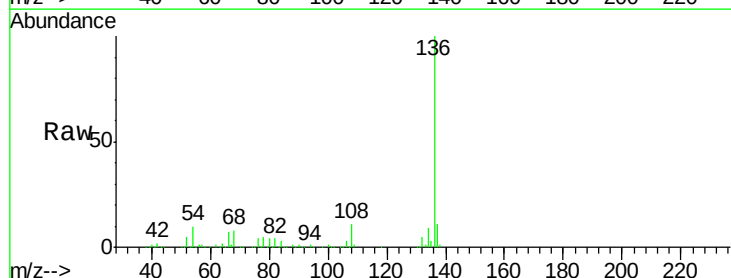
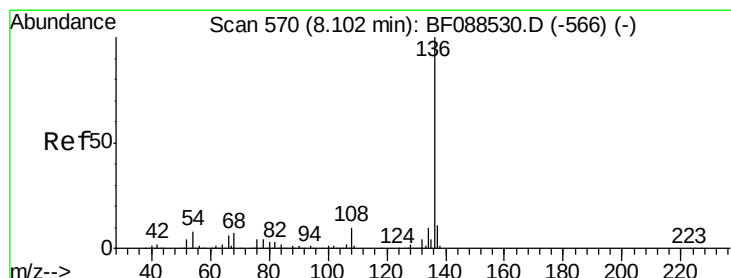
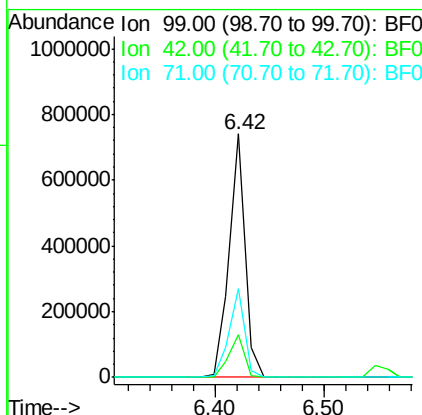
ClientSampleId :

EPCH-B1(00-0.5)

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF088685.D

Acq: 4 Jul 2016 10:11

Tgt Ion: 136 Resp: 403643

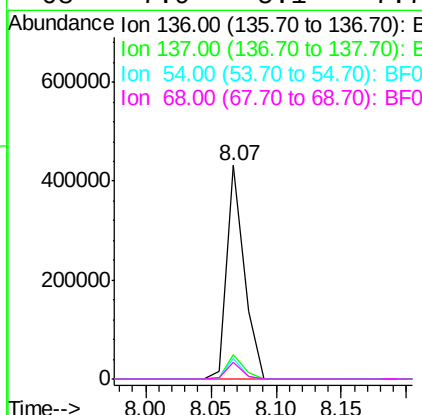
Ion Ratio Lower Upper

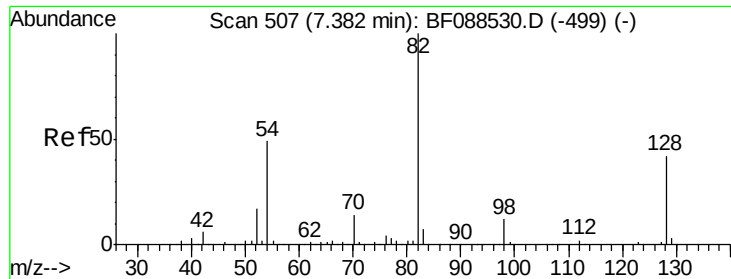
136 100

137 11.4 9.1 13.7

54 9.6 6.6 10.0

68 7.9 5.1 7.7#





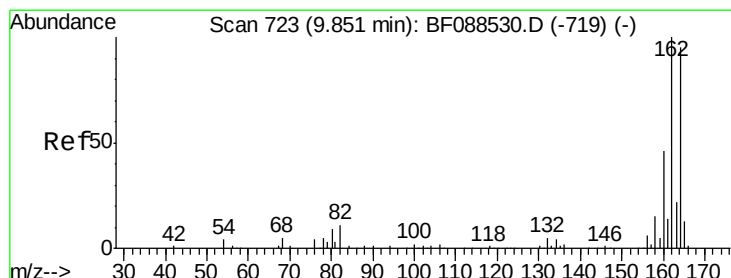
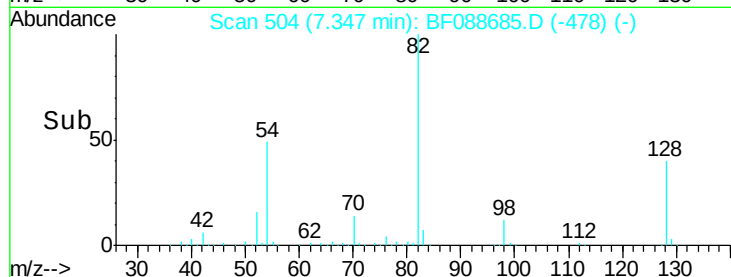
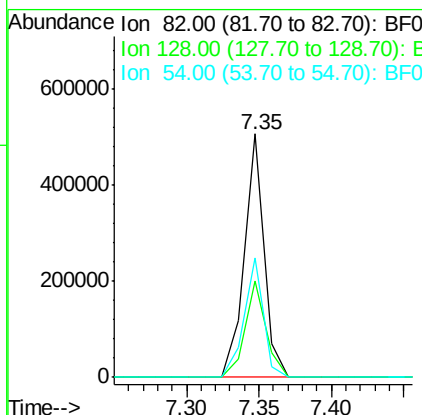
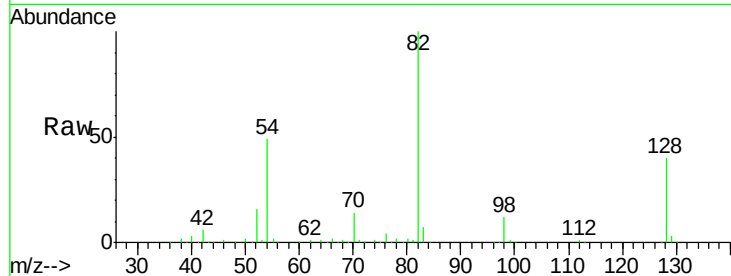
#23
 Nitrobenzene-d5
 Concen: 62.04 ng
 RT: 7.35 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: BF088685.D
 Acq: 4 Jul 2016 10:11

Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B1(00-0.5)

Tot Ion	82	Resp	477870
Ion Ratio	100	Lower	Upper
82	100		
128	39.7	35.9	53.9
54	48.9	40.9	61.3

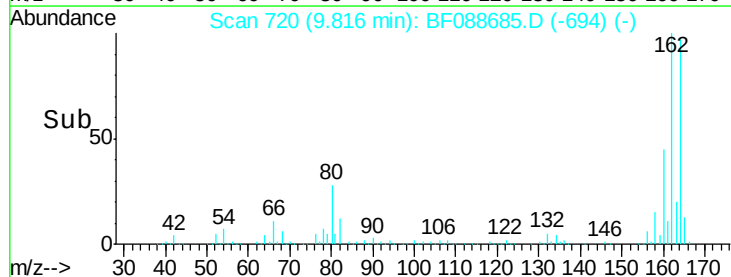
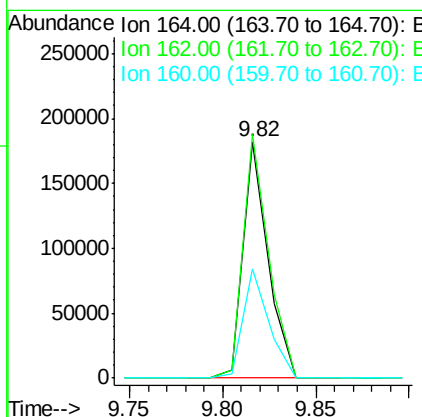
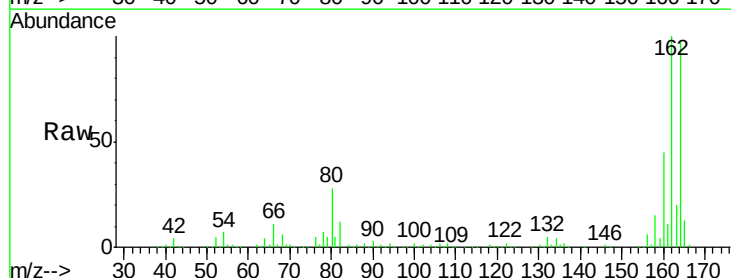
Manual Integrations

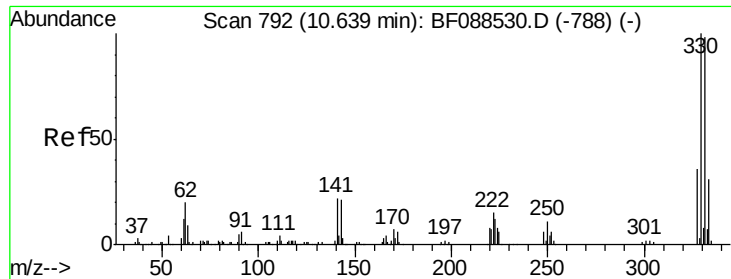
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: BF088685.D
 Acq: 4 Jul 2016 10:11

Tgt Ion	164	Resp	168719
Ion Ratio	100	Lower	Upper
164	100		
162	103.2	85.4	128.2
160	46.5	39.5	59.3





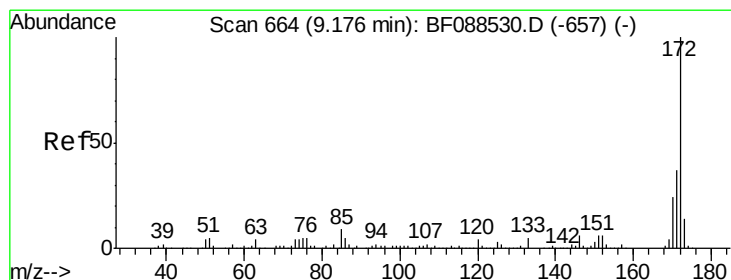
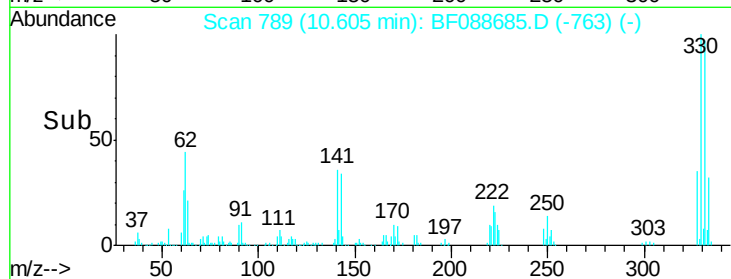
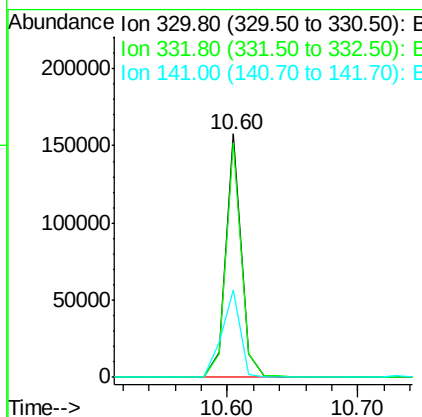
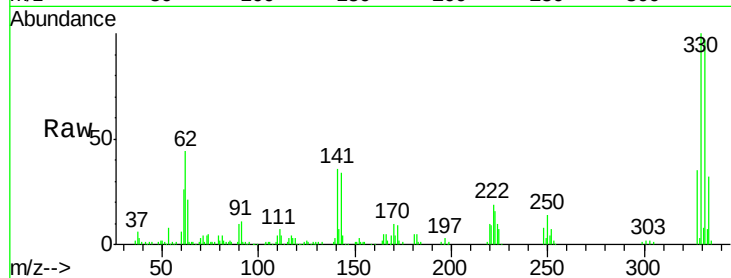
#41
 2,4,6-Tribromophenol
 Concen: 84.18 ng
 RT: 10.60 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF088685.D
 Acq: 4 Jul 2016 10:11

Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B1(00-0.5)

Tot Ion:	330	Resp:	131885
Ion Ratio	Lower	Upper	
330	100		
332	96.8	0.0	0.0#
141	44.0	0.0	0.0#

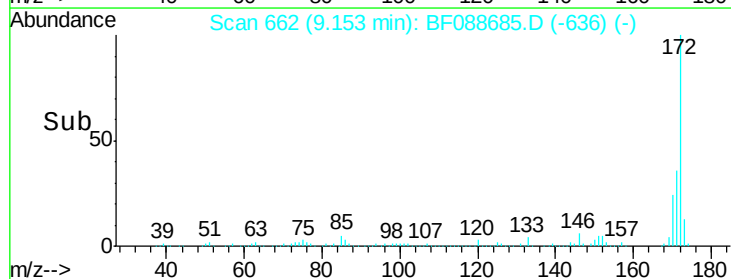
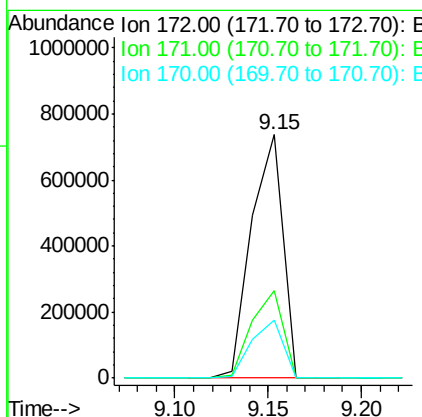
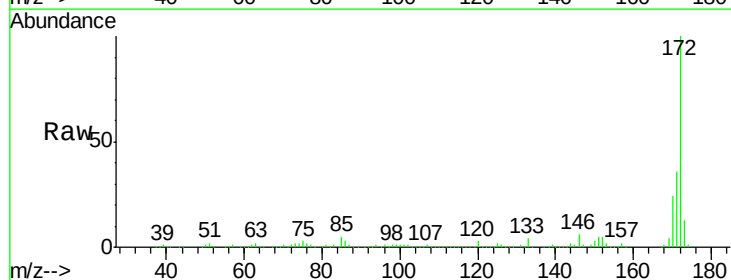
Manual Integrations

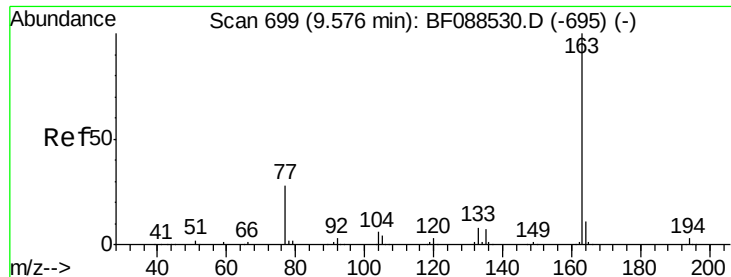
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#44
 2-Fluorobiphenyl
 Concen: 80.65 ng
 RT: 9.15 min Scan# 662
 Delta R.T. 0.00 min
 Lab File: BF088685.D
 Acq: 4 Jul 2016 10:11

Tgt Ion:	172	Resp:	861397
Ion Ratio	Lower	Upper	
172	100		
171	35.9	28.6	43.0
170	23.6	19.2	28.8





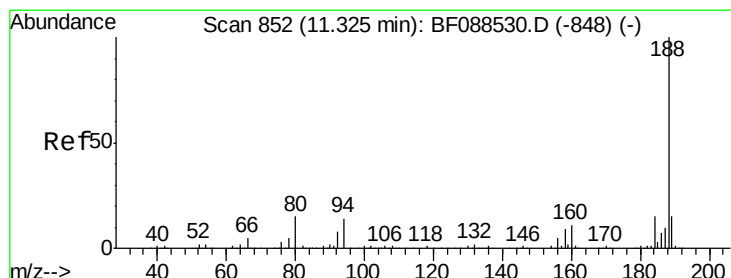
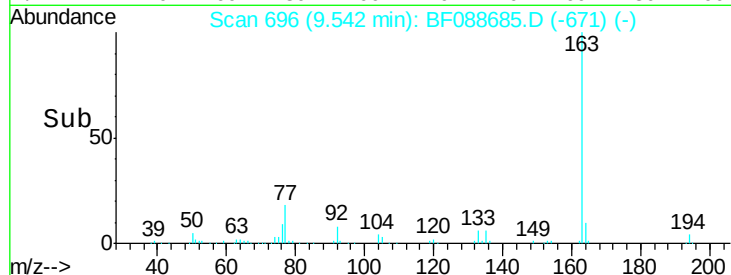
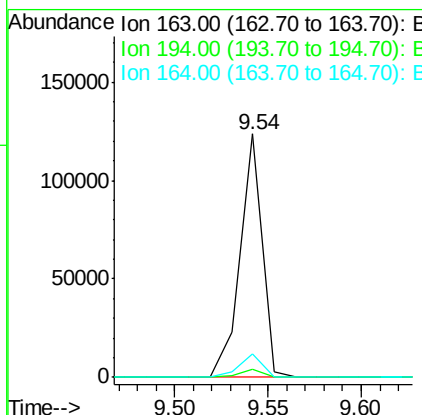
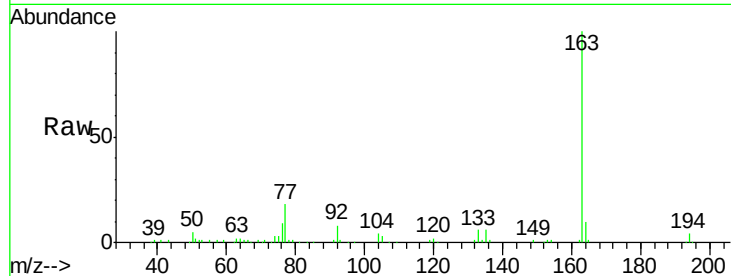
#49
Dimethylphthalate
Concen: 8.55 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF088685.D
Acq: 4 Jul 2016 10:11

Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	9.5	8.3	12.5

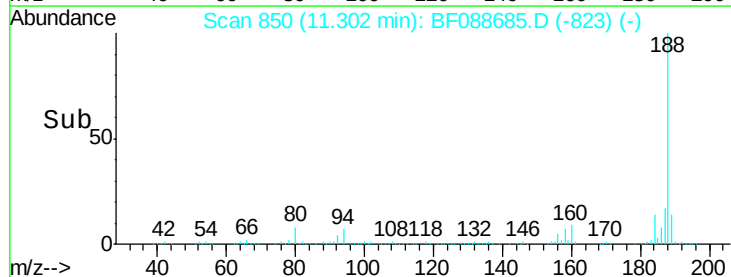
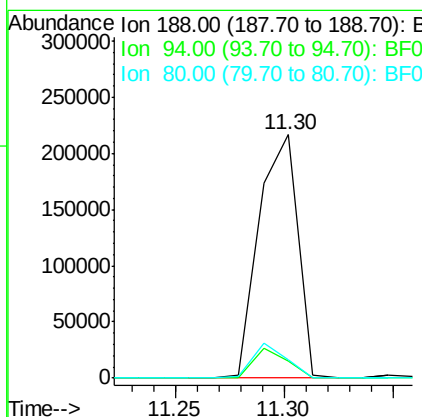
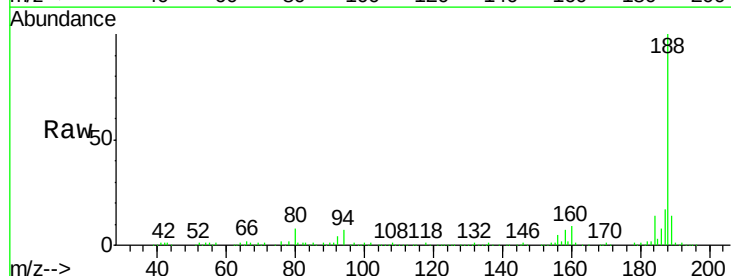
Manual Integrations

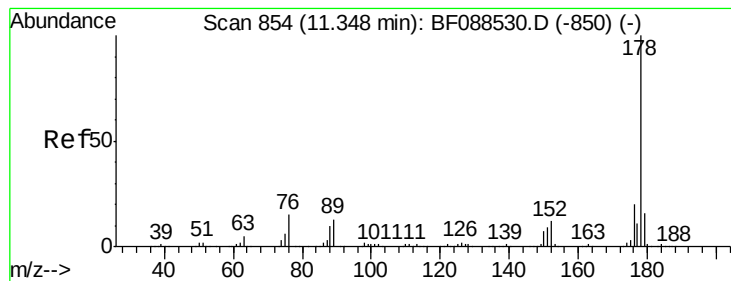
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. 0.01 min
Lab File: BF088685.D
Acq: 4 Jul 2016 10:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	9.0	13.6#
80	7.7	10.0	15.0#





#70

Phenanthrene

Concen: 22.08 ng

RT: 11.32 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF088685.D

Acq: 4 Jul 2016 10:11

Instrument :

BNA_F

ClientSampleId :

EPCH-B1(00-0.5)

Tot Ion:178 Resp: 327267

Ion Ratio Lower Upper

178 100

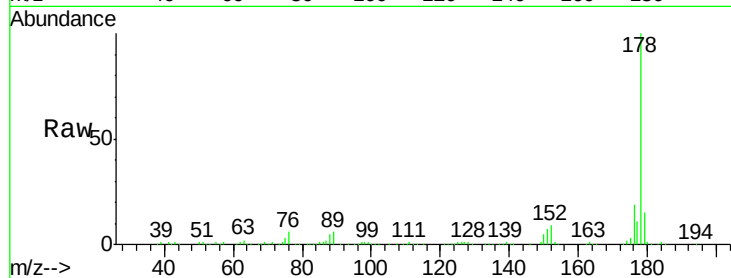
176 18.9 15.8 23.6

179 15.0 13.0 19.4

Manual Integrations

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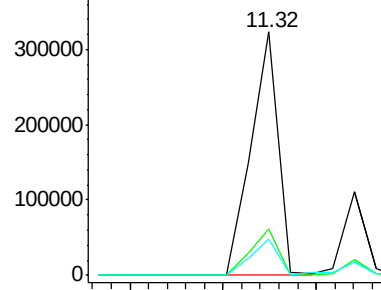
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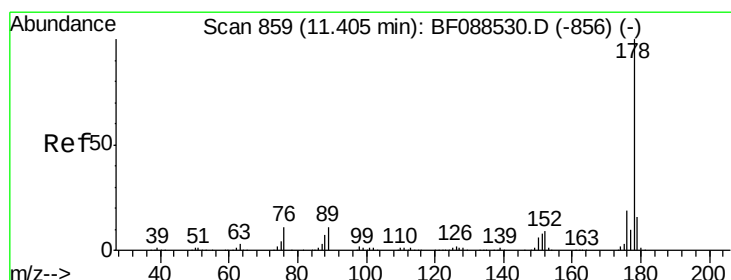
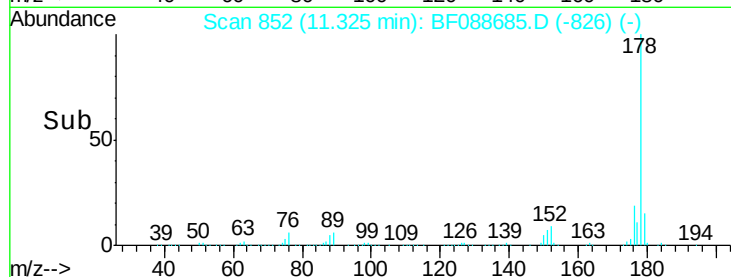
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 6.10 ng

RT: 11.37 min Scan# 856

Delta R.T. 0.00 min

Lab File: BF088685.D

Acq: 4 Jul 2016 10:11

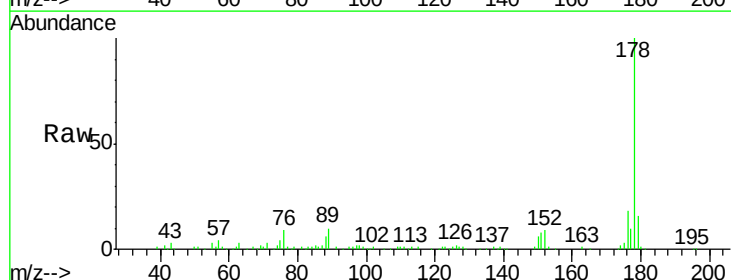
Tgt Ion:178 Resp: 89842

Ion Ratio Lower Upper

178 100

176 18.2 15.6 23.4

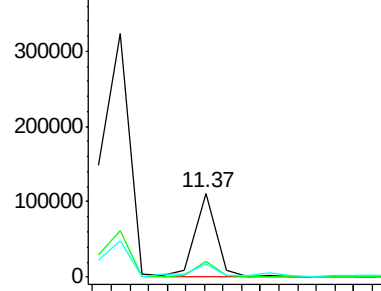
179 15.5 12.8 19.2



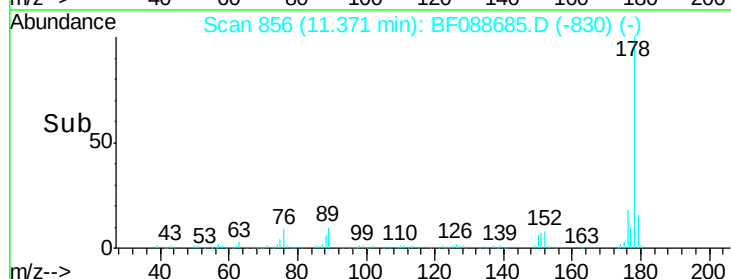
Abundance Ion 178.00 (177.70 to 178.70): E

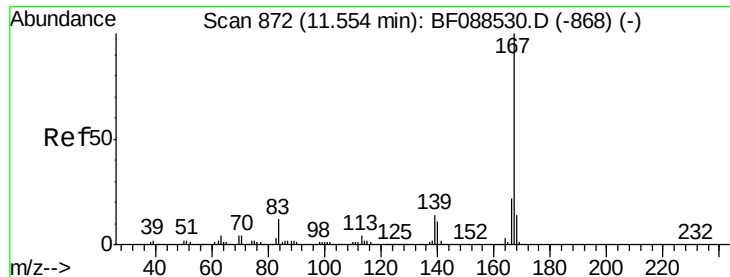
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#72

Carbazole

Concen: 2.47 ng

RT: 11.52 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF088685.D

Acq: 4 Jul 2016 10:11

Instrument :

BNA_F

ClientSampleId :

EPCH-B1(00-0.5)

Tot Ion:167 Resp: 34235

Ion Ratio Lower Upper

167 100

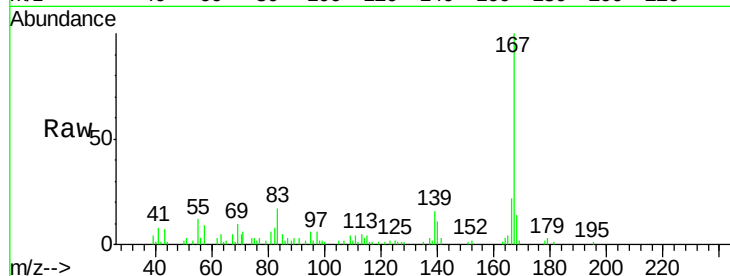
166 21.6 17.8 26.6

139 15.5 11.2 16.8

Manual Integrations

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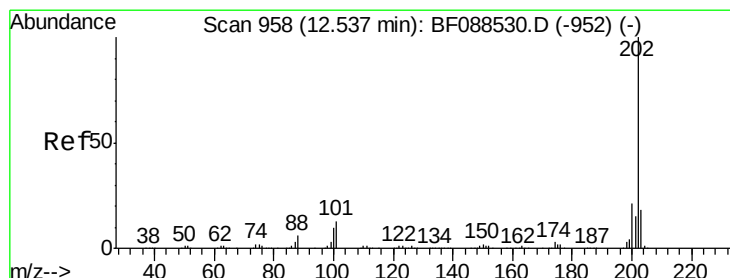
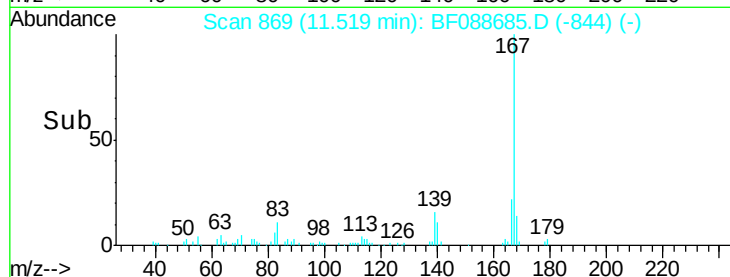
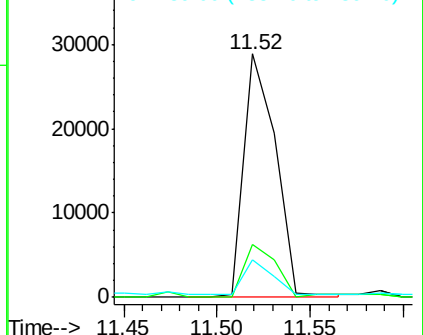
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 32.89 ng

RT: 12.50 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF088685.D

Acq: 4 Jul 2016 10:11

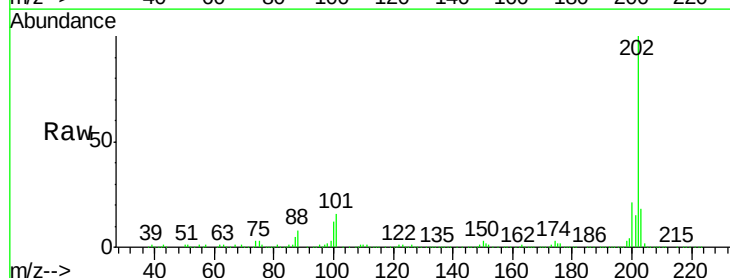
Tgt Ion:202 Resp: 494215

Ion Ratio Lower Upper

202 100

101 16.4 0.0 33.1

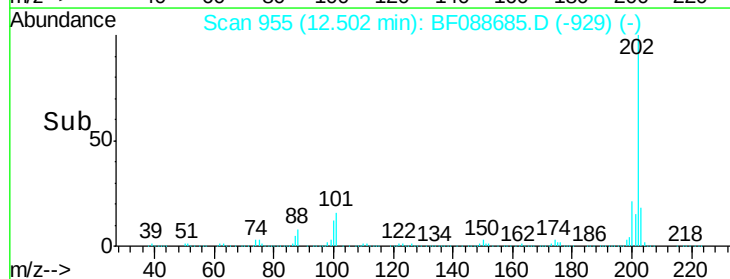
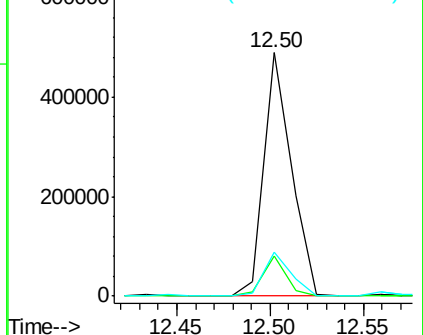
203 18.1 0.0 38.1

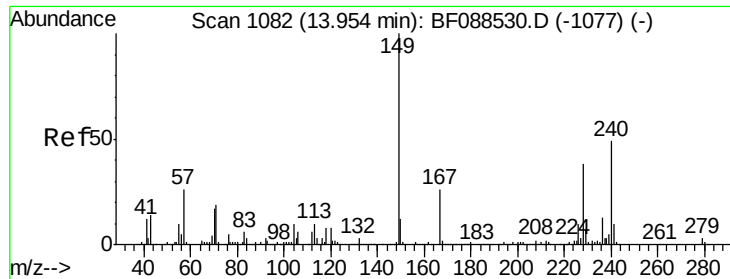


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





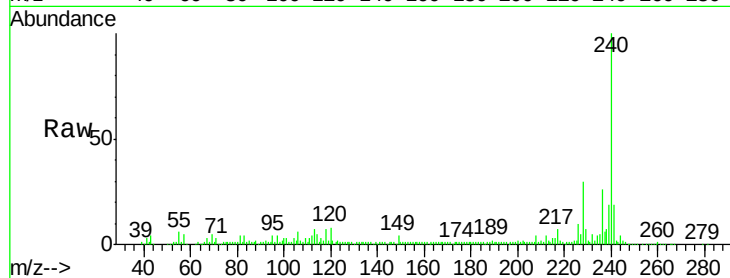
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1080
Delta R.T. 0.01 min
Lab File: BF088685.D
Acq: 4 Jul 2016 10:11

Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.8	10.2
236	25.9	20.2	30.2

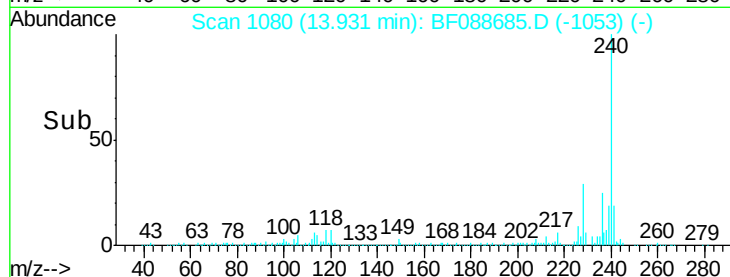
Manual Integrations

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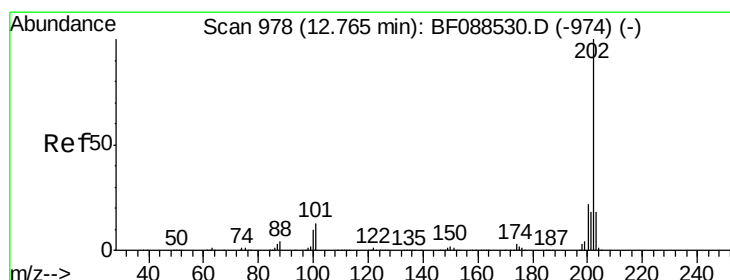


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

13.93

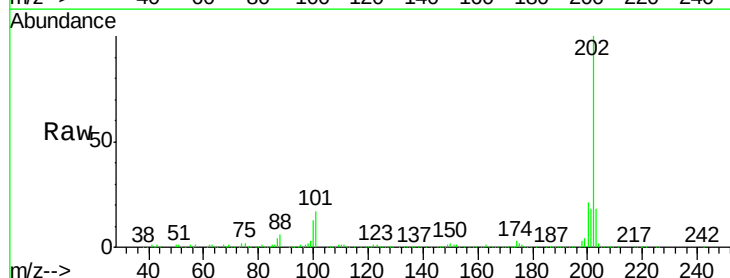


Time-->



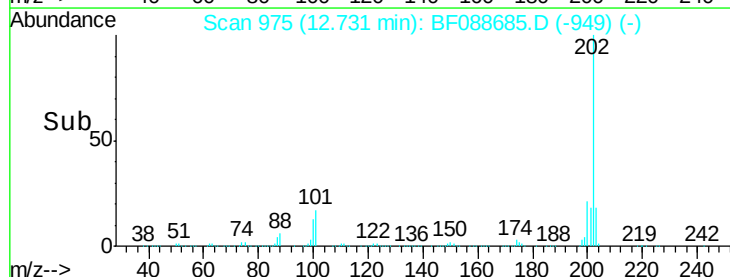
#77
Pyrene
Concen: 28.67 ng
RT: 12.73 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF088685.D
Acq: 4 Jul 2016 10:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.1	14.5	21.7

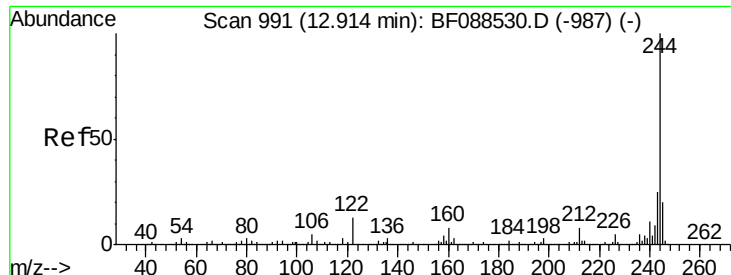


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

12.73



Time-->



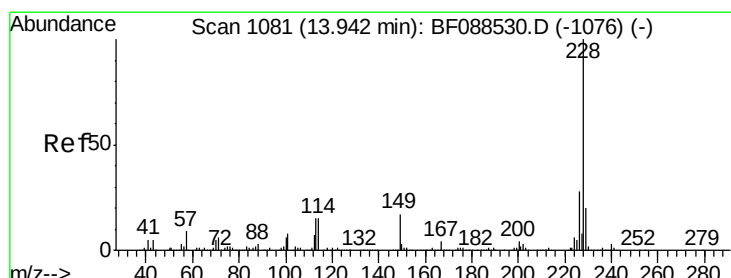
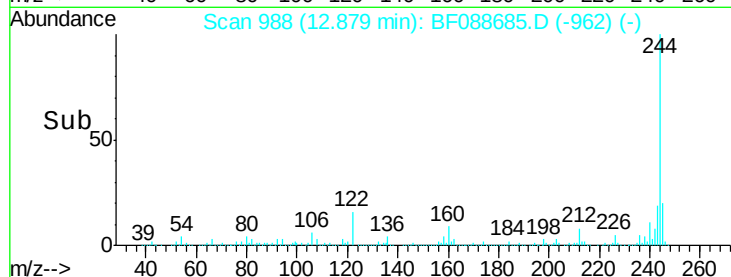
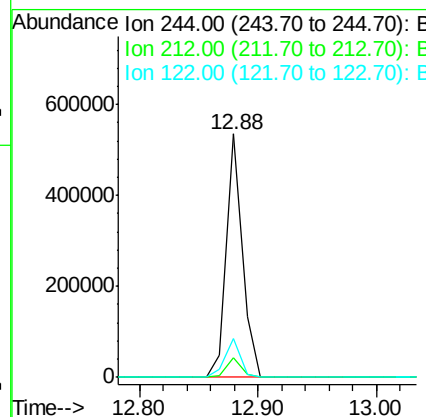
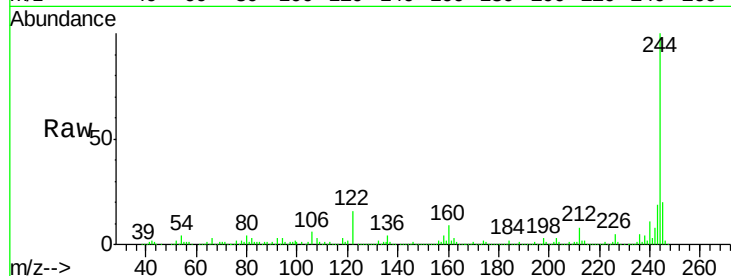
#78
 Terphenyl-d14
 Concen: 56.29 ng
 RT: 12.88 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: BF088685.D
 Acq: 4 Jul 2016 10:11

Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B1(00-0.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	15.8	11.2	16.8

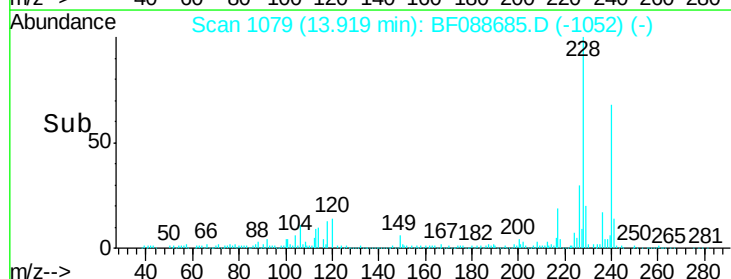
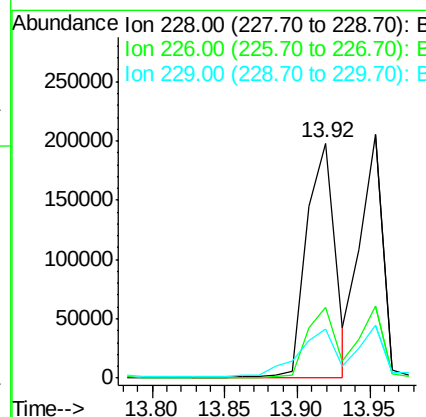
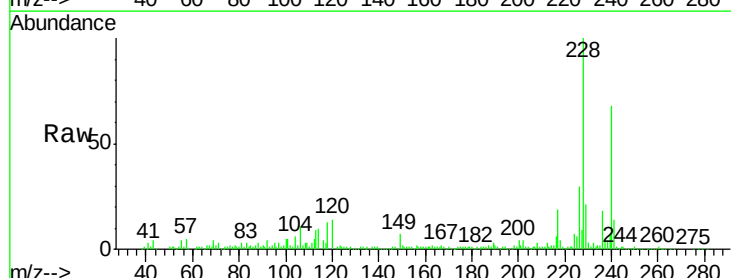
Manual Integrations

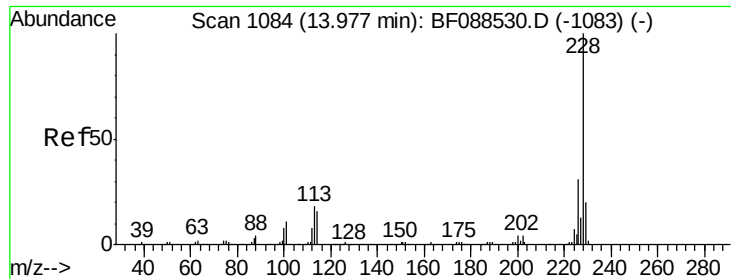
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#80
 Benzo(a)anthracene
 Concen: 21.35 ng
 RT: 13.92 min Scan# 1079
 Delta R.T. 0.01 min
 Lab File: BF088685.D
 Acq: 4 Jul 2016 10:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.3	33.5
229	20.8	16.0	24.0





#82

Chrysene

Concen: 17.83 ng/mL

RT: 13.95 min Scan# 1082

Delta R.T. 0.00 min

Lab File: BF088685.D

Acq: 4 Jul 2016 10:11

Instrument :

BNA_F

ClientSampleId :

EPCH-B1(00-0.5)

Tot Ion:228 Resp: 222888

Ion Ratio Lower Upper

228 100

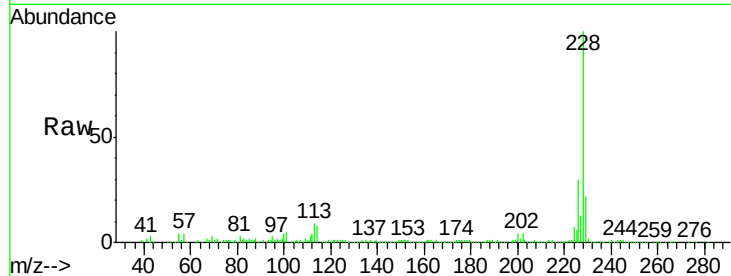
226 29.8 25.4 38.2

229 21.9 16.3 24.5

Manual Integrations

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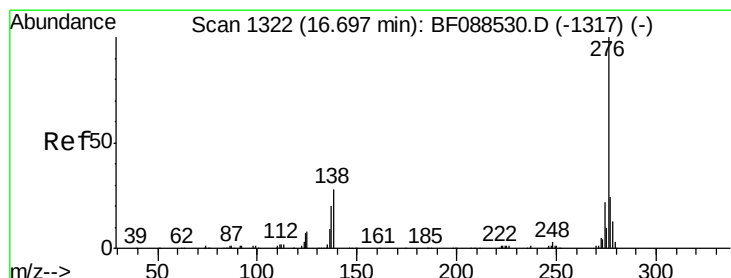
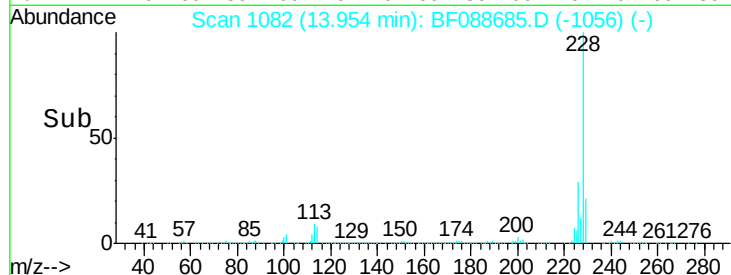
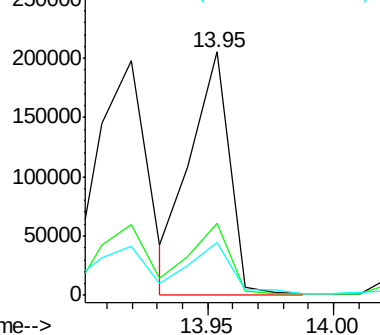
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.09 ng/mL

RT: 16.65 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BF088685.D

Acq: 4 Jul 2016 10:11

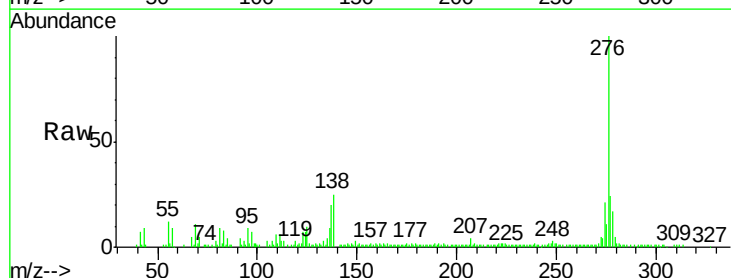
Tgt Ion:276 Resp: 106661

Ion Ratio Lower Upper

276 100

138 25.5 0.0 0.0#

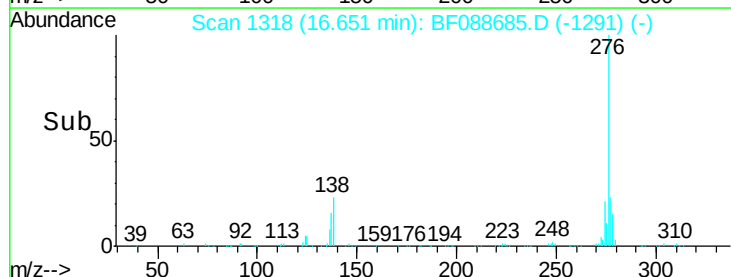
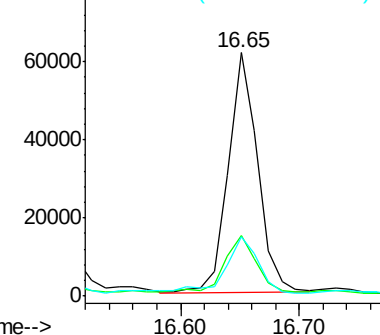
277 27.3 0.0 0.0#

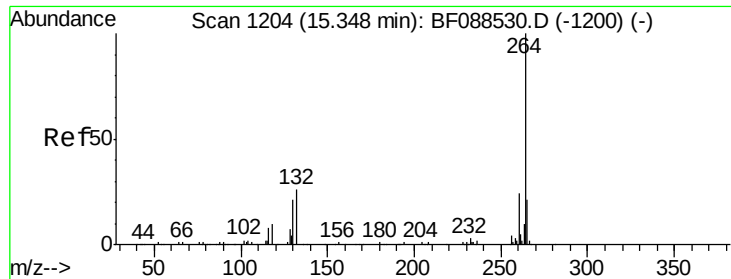


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.33 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BF088685.D

Acq: 4 Jul 2016 10:11

Instrument :

BNA_F

ClientSampleId :

EPCH-B1(00-0.5)

Tot Ion:264 Resp: 172997

Ion Ratio Lower Upper

264 100

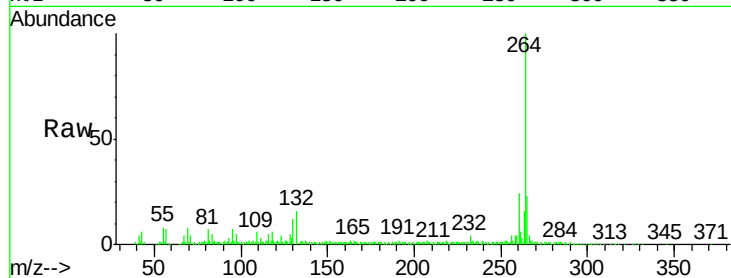
260 24.3 19.2 28.8

265 22.7 16.9 25.3

Manual Integrations

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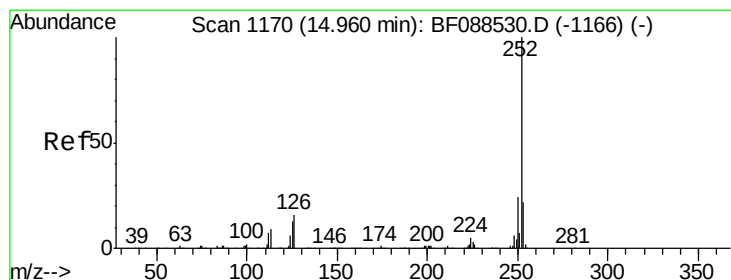
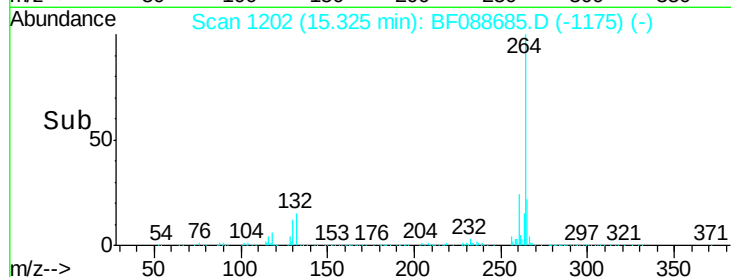
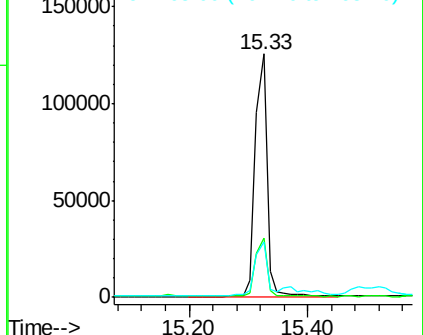
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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 28.41 ng m

RT: 14.93 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BF088685.D

Acq: 4 Jul 2016 10:11

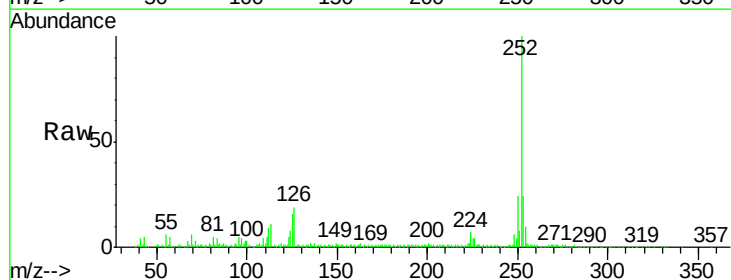
Tgt Ion:252 Resp: 308264

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

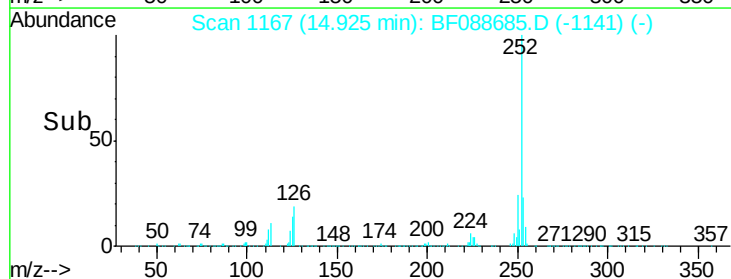
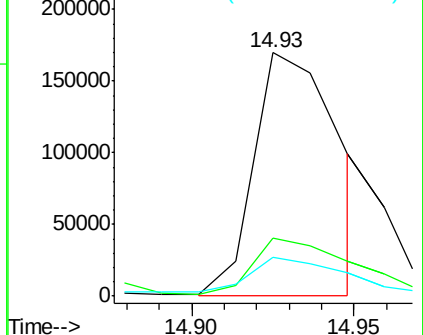
125 16.2 7.1 10.7#

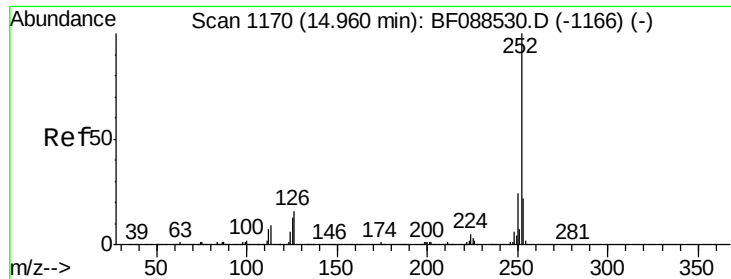


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





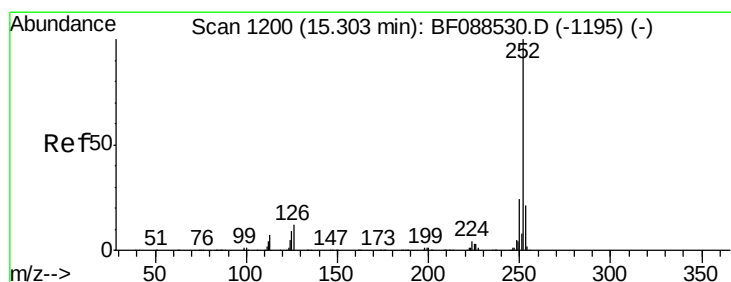
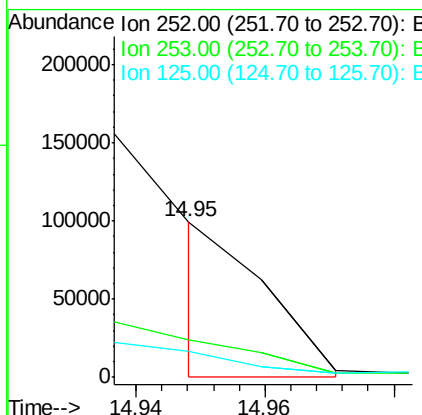
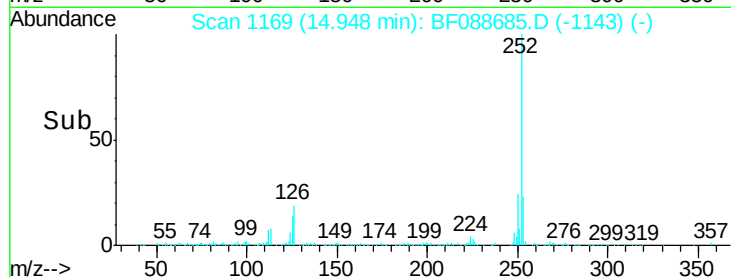
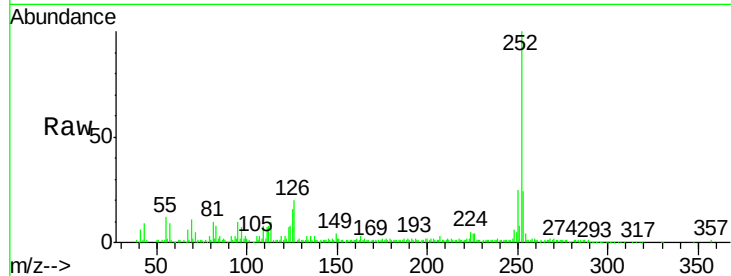
#88
Benzo(k)fluoranthene
Concen: 4.85 ng m
RT: 14.95 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF088685.D
Acq: 4 Jul 2016 10:11

Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	16.5	11.2	16.8

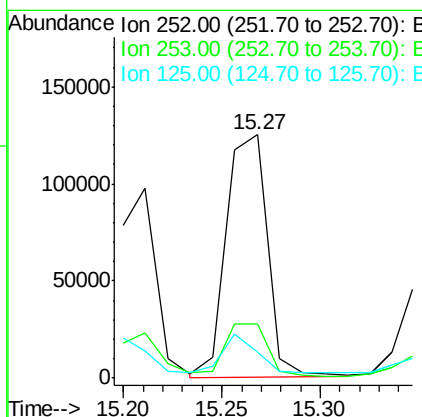
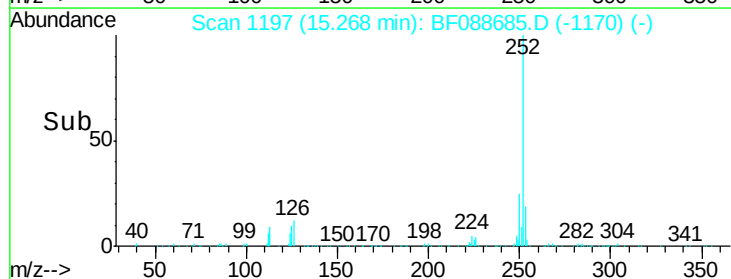
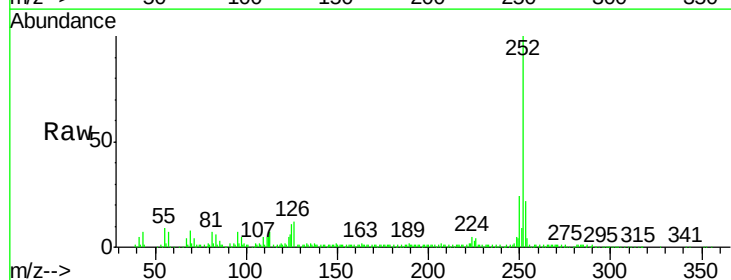
Manual Integrations

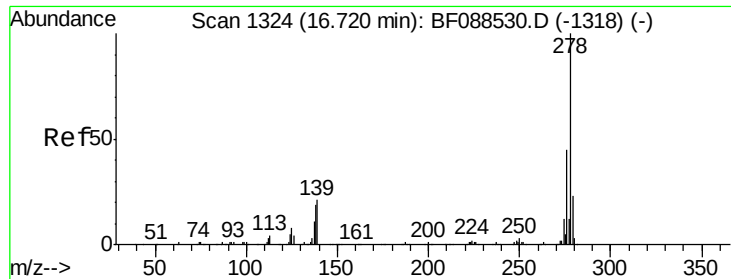
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#89
Benzo(a)pyrene
Concen: 19.84 ng m
RT: 15.27 min Scan# 1197
Delta R.T. 0.01 min
Lab File: BF088685.D
Acq: 4 Jul 2016 10:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	10.6	12.5	18.7#





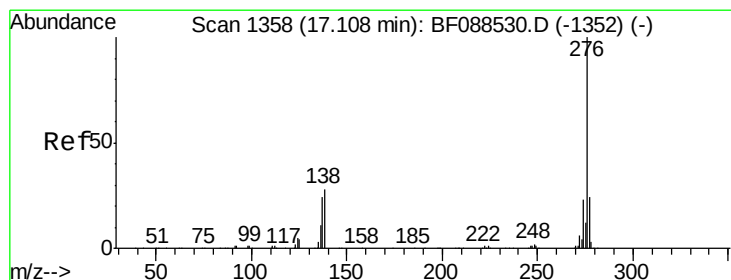
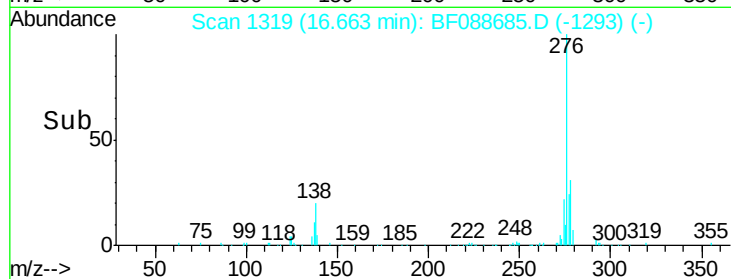
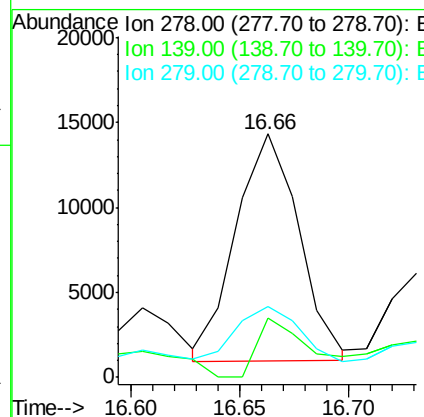
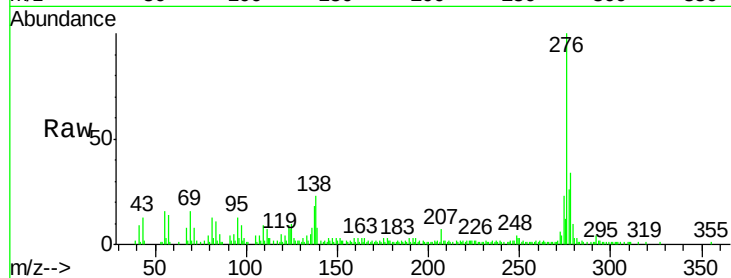
#90
Dibenzo(a,h)anthracene
Concen: 3.52 ng
RT: 16.66 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BF088685.D
Acq: 4 Jul 2016 10:11

Instrument :
BNA_F
ClientSampleId :
EPCH-B1(00-0.5)

Tot Ion:278 Resp: 27019
Ion Ratio Lower Upper
278 100
139 24.3 15.7 23.5#
279 29.0 19.4 29.2

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 12.32 ng
RT: 17.05 min Scan# 1353
Delta R.T. 0.01 min
Lab File: BF088685.D
Acq: 4 Jul 2016 10:11

Tgt Ion:276 Resp: 97837
Ion Ratio Lower Upper
276 100
277 24.5 18.9 28.3
138 27.9 21.4 32.2

