

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072116\
 Data File : BF089183.D
 Acq On : 21 Jul 2016 16:42
 Operator : UM/SJ
 Sample : H4129-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KMW-03-0.2-2.0

Manual Integrations

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Quant Time: Jul 22 13:02:55 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	44772	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	182318	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	73525	20.00	ng	0.00
63) Phenanthrene-d10	11.11	188	112300	20.00	ng	0.00
75) Chrysene-d12	13.73	240	92593	20.00	ng	0.00
86) Perylene-d12	15.07	264	83419	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	306985	104.28	ng	0.00
7) Phenol-d6	6.26	99	428048	112.75	ng	-0.01
23) Nitrobenzene-d5	7.18	82	270971	78.97	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	53270	80.47	ng	0.00
44) 2-Fluorobiphenyl	8.97	172	405603	76.01	ng	0.00
78) Terphenyl-d14	12.69	244	236741	55.46	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.91	128	261776	26.60	ng	100
37) 2-Methylnaphthalene	8.60	142	233737	37.25	ng	99
45) 1,1'-Biphenyl	9.06	154	29563	4.46	ng	95
49) Dimethylphthalate	9.36	163	130955	23.21	ng	97
54) Dibenzofuran	9.84	168	43108	6.82	ng	# 90
70) Phenanthrene	11.13	178	476690	77.38	ng	100
71) Anthracene	11.18	178	33995m	5.31	ng	
72) Carbazole	11.35	167	32052	5.70	ng	94
74) Fluoranthene	12.31	202	124589	19.24	ng	98
77) Pyrene	12.54	202	270407	35.36	ng	99
80) Benzo(a)anthracene	13.71	228	171651m	29.11	ng	
82) Chrysene	13.76	228	246229m	43.71	ng	
85) Indeno(1,2,3-cd)pyrene	16.31	276	39963	9.77	ng	96
87) Benzo(b)fluoranthene	14.72	252	110090m	18.22	ng	
88) Benzo(k)fluoranthene	14.73	252	25950m	6.01	ng	
89) Benzo(a)pyrene	15.03	252	77387	16.50	ng	# 94
90) Dibenzo(a,h)anthracene	16.32	278	30603	8.26	ng	# 77
91) Benzo(g,h,i)perylene	16.67	276	52291	14.00	ng	94

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

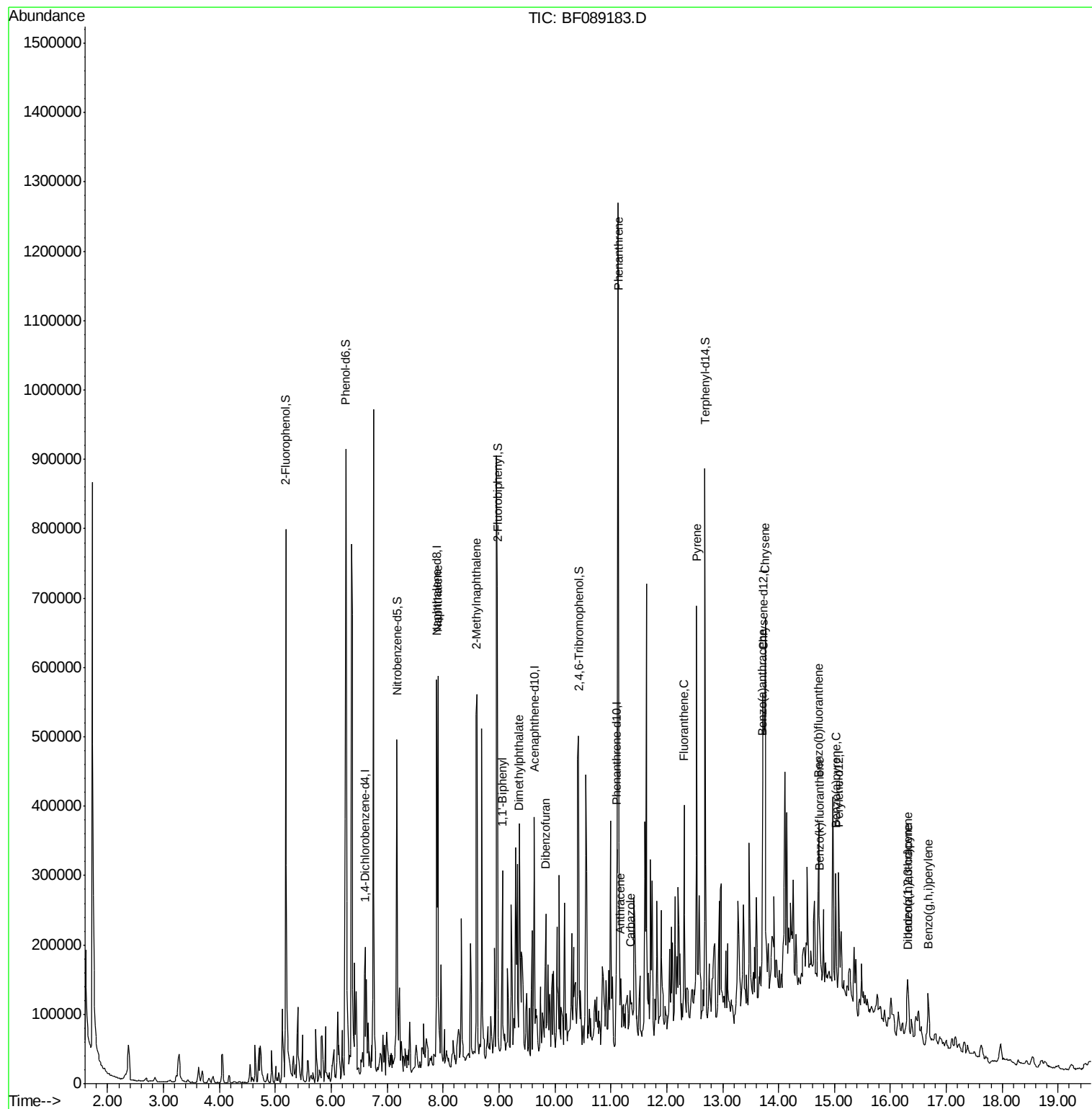
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072116\
Data File : BF089183.D
Acq On : 21 Jul 2016 16:42
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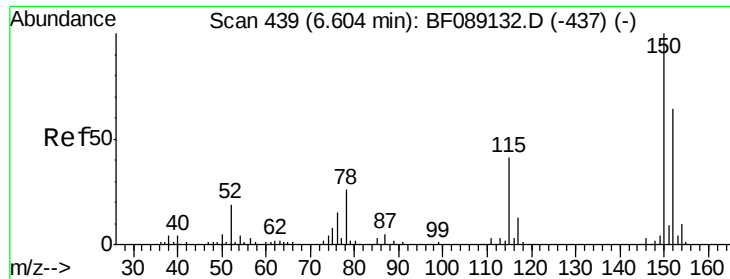
Instrument :
BNA_F
ClientSampleId :
KMW-03-0.2-2.0

Manual Integrations

Quant Time: Jul 22 13:02:55 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 19:03:15 2016
Response via : Initial Calibration

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF089183.D

Acq: 21 Jul 2016 16:42

Instrument :

BNA_F

ClientSampleId :

KMW-03-0.2-2.0

Tot Ion:152 Resp: 44772

Ion Ratio Lower Upper

152 100

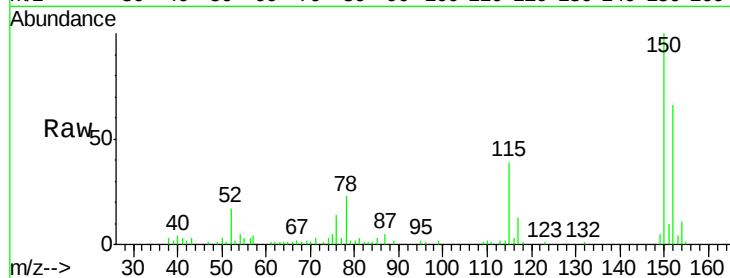
150 151.6 125.1 187.7

115 58.9 51.1 76.7

Manual Integrations

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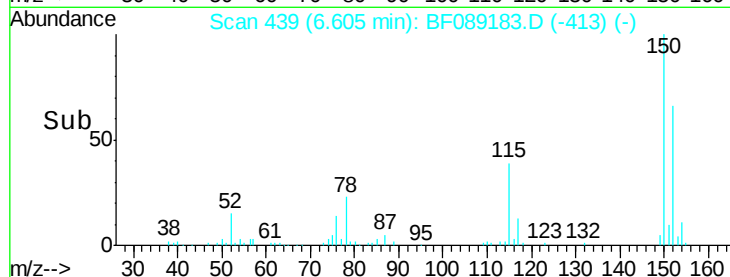
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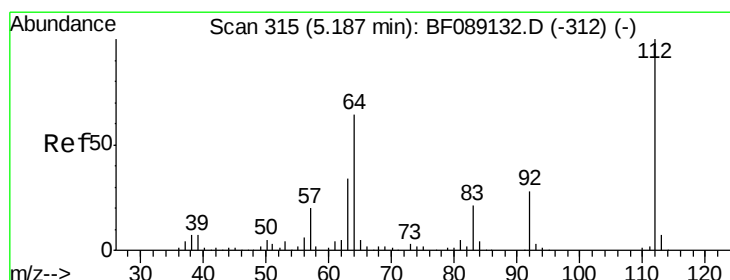
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 104.28 ng

RT: 5.19 min Scan# 315

Delta R.T. 0.00 min

Lab File: BF089183.D

Acq: 21 Jul 2016 16:42

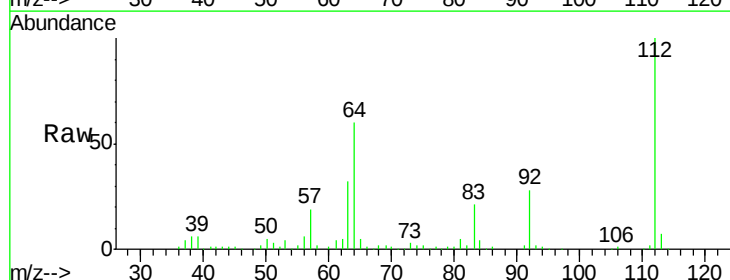
Tgt Ion:112 Resp: 306985

Ion Ratio Lower Upper

112 100

64 60.4 51.0 76.4

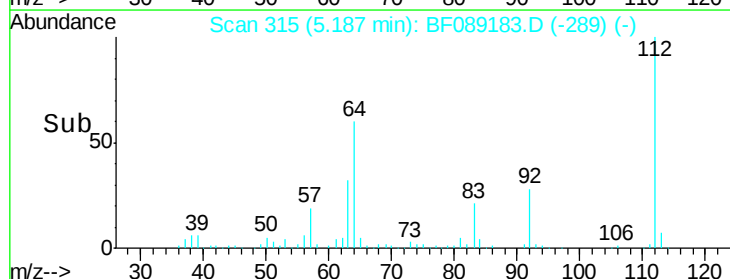
63 32.3 27.3 40.9



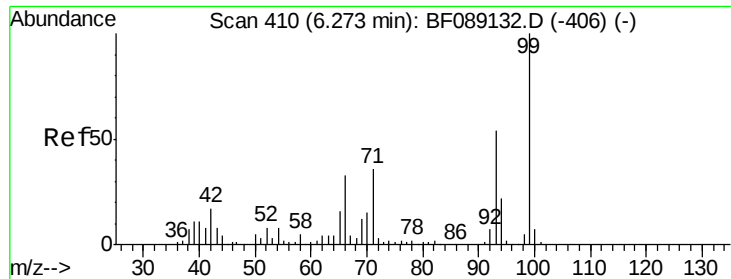
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#7

Phenol-d6

Concen: 112.75 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF089183.D

Acq: 21 Jul 2016 16:42

Instrument :

BNA_F

ClientSampleId :

KMW-03-0.2-2.0

Tot Ion: 99 Resp: 428048

Ion Ratio Lower Upper

99 100

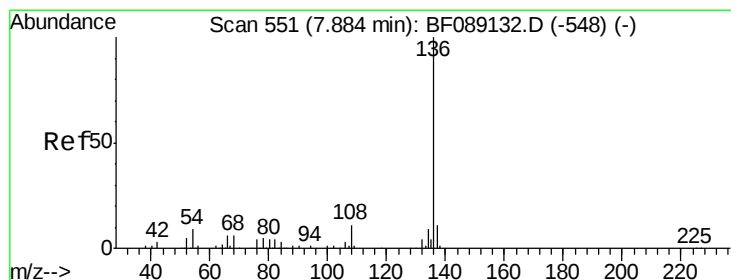
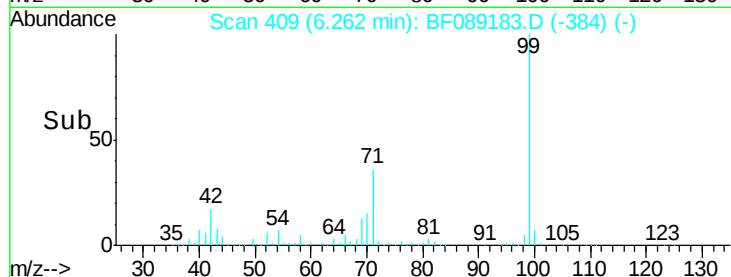
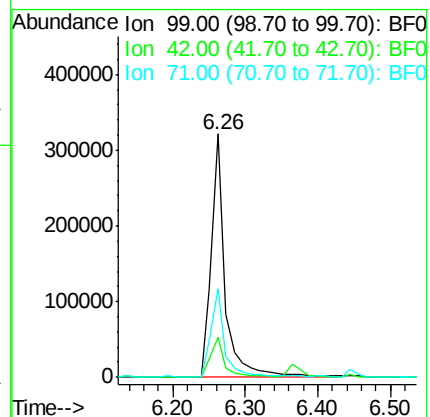
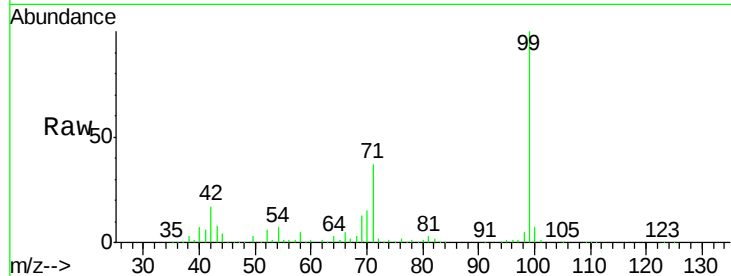
42 16.7 13.5 20.3

71 36.6 28.9 43.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF089183.D

Acq: 21 Jul 2016 16:42

Tgt Ion:136 Resp: 182318

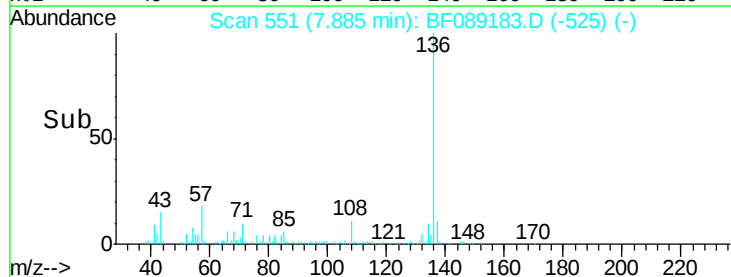
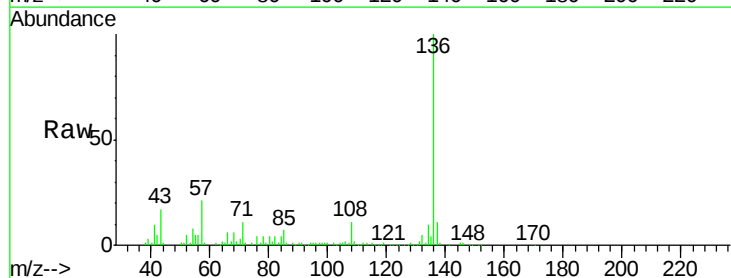
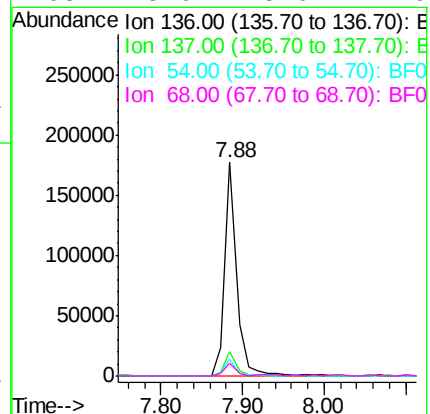
Ion Ratio Lower Upper

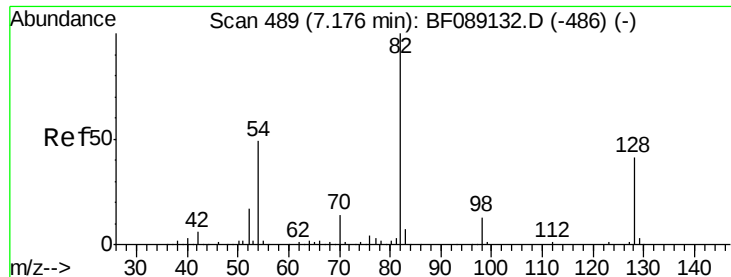
136 100

137 11.4 8.8 13.2

54 7.9 7.0 10.4

68 5.9 5.0 7.6





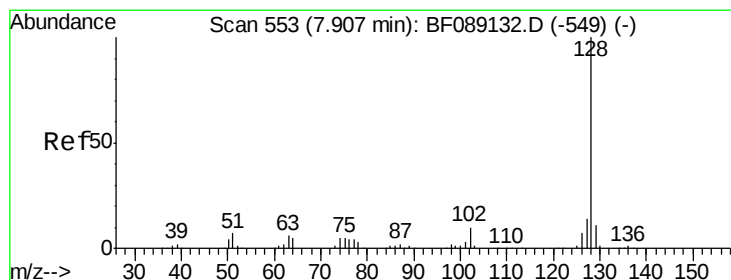
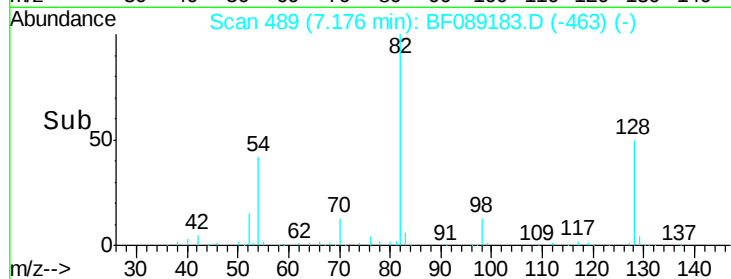
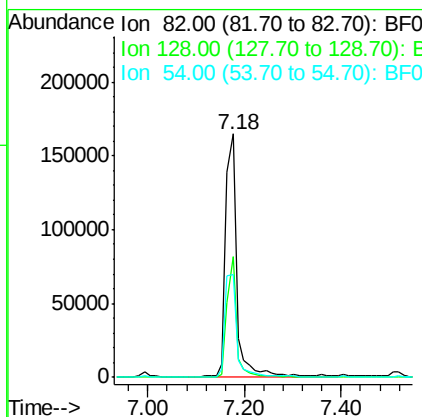
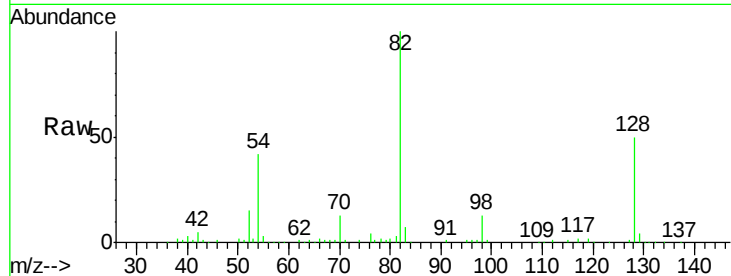
#23
 Nitrobenzene-d5
 Concen: 78.97 ng
 RT: 7.18 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: BF089183.D
 Acq: 21 Jul 2016 16:42

Instrument :
 BNA_F
 ClientSampleId :
 KMW-03-0.2-2.0

Tot Ion	82	Resp	270971
Ion Ratio	Lower	Upper	
82	100		
128	49.5	33.0	49.6
54	42.1	39.0	58.4

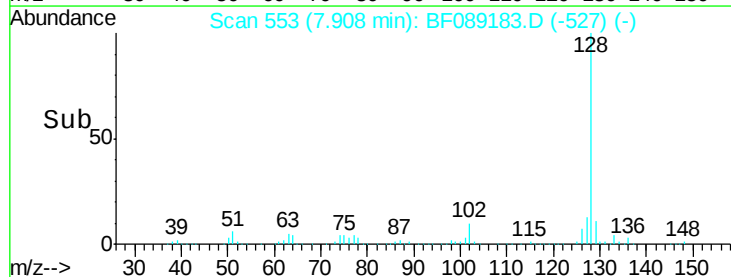
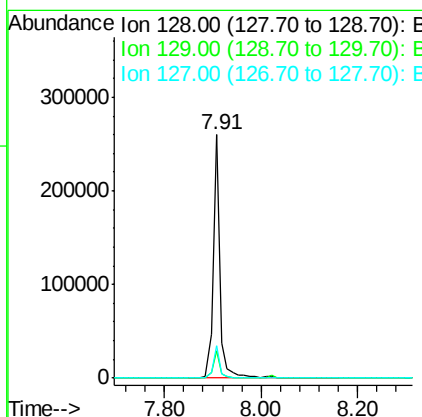
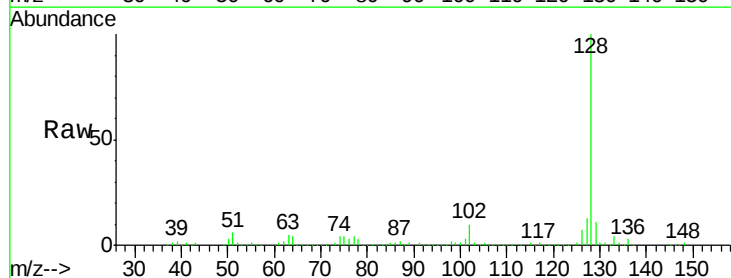
Manual Integrations

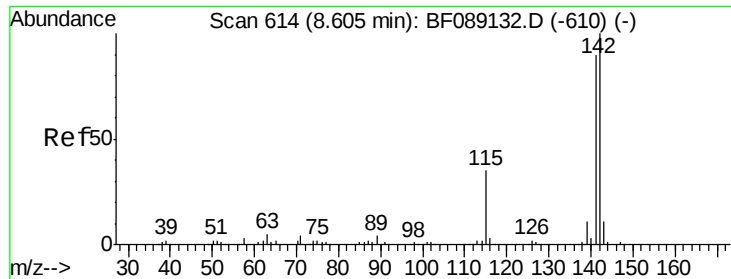
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#31
 Naphthalene
 Concen: 26.60 ng
 RT: 7.91 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: BF089183.D
 Acq: 21 Jul 2016 16:42

Tgt Ion	128	Resp	261776
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.9	13.3
127	13.5	10.8	16.2





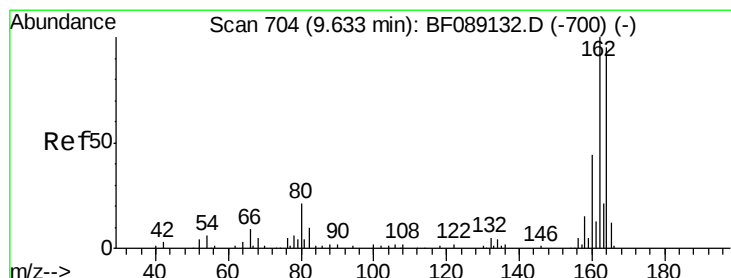
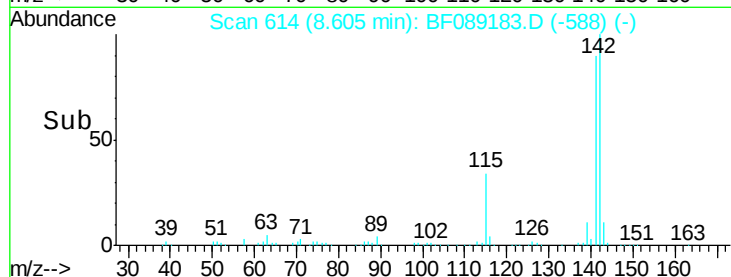
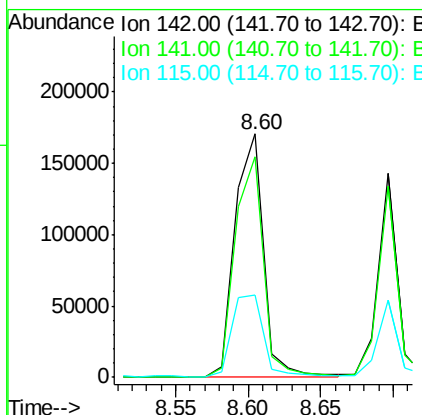
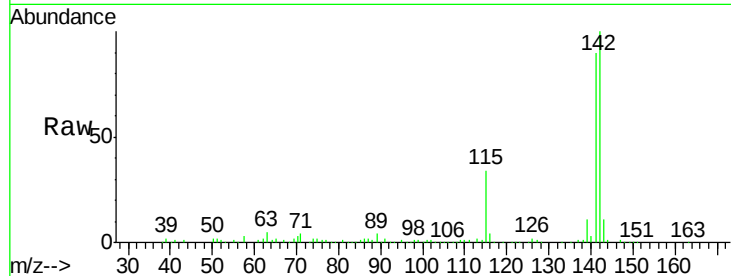
#37
2-Methylnaphthalene
Concen: 37.25 ng
RT: 8.60 min Scan# 614
Delta R.T. 0.00 min
Lab File: BF089183.D
Acq: 21 Jul 2016 16:42

Instrument :
BNA_F
ClientSampleId :
KMW-03-0.2-2.0

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.6	107.4
115	33.6	27.6	41.4

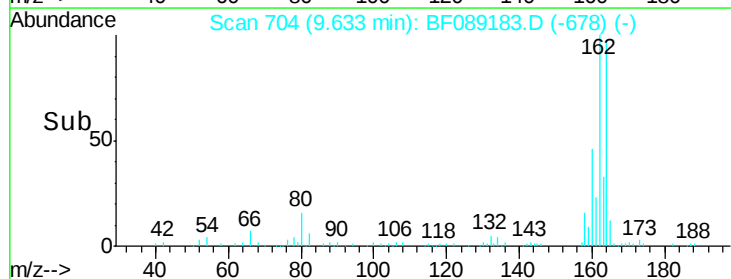
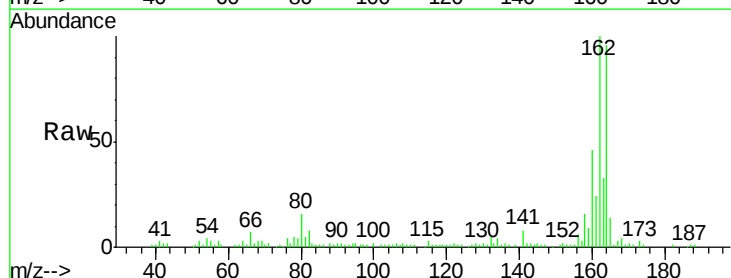
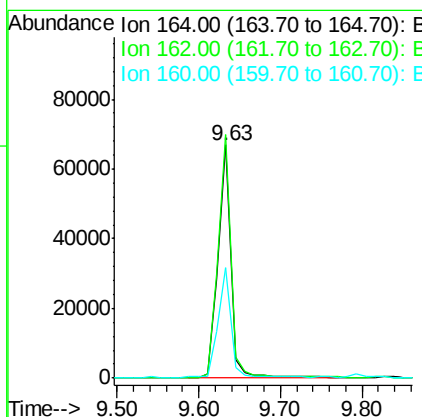
Manual Integrations

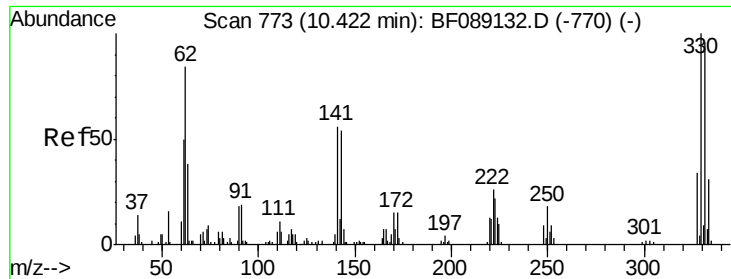
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. 0.00 min
Lab File: BF089183.D
Acq: 21 Jul 2016 16:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	84.1	126.1
160	47.6	37.1	55.7





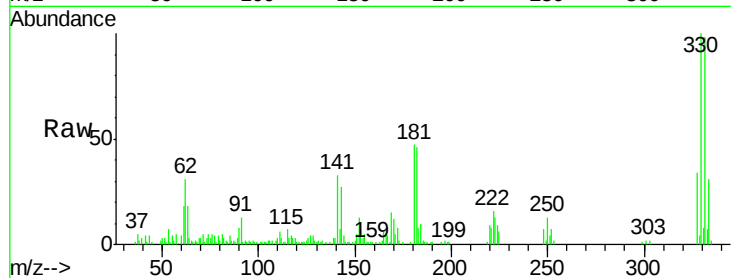
#41
 2,4,6-Tribromophenol
 Concen: 80.47 ng
 RT: 10.42 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: BF089183.D
 Acq: 21 Jul 2016 16:42

Instrument :
 BNA_F
 ClientSampleId :
 KMW-03-0.2-2.0

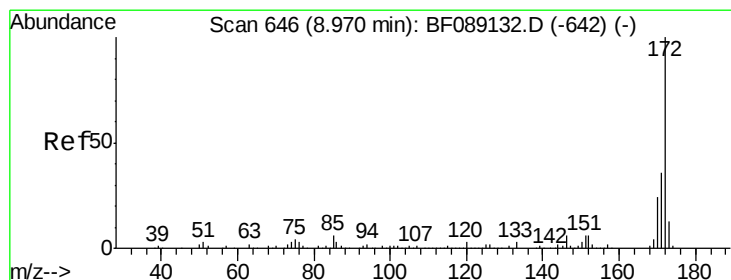
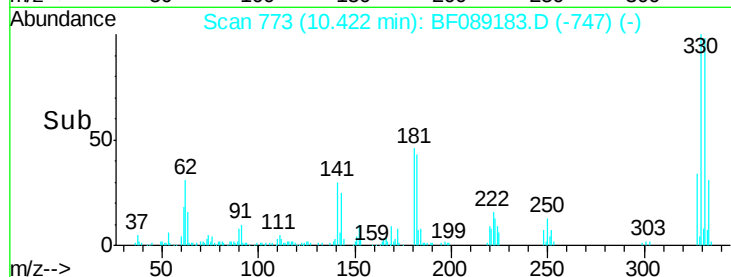
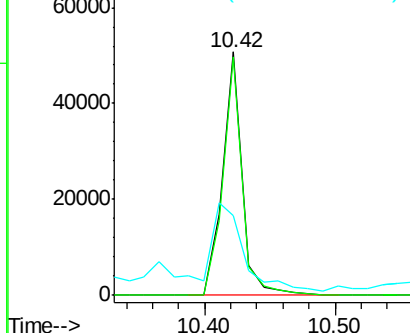
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.2	115.8
141	61.9	42.2	63.2

Manual Integrations

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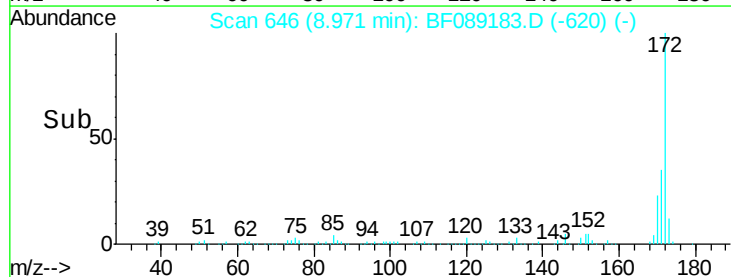
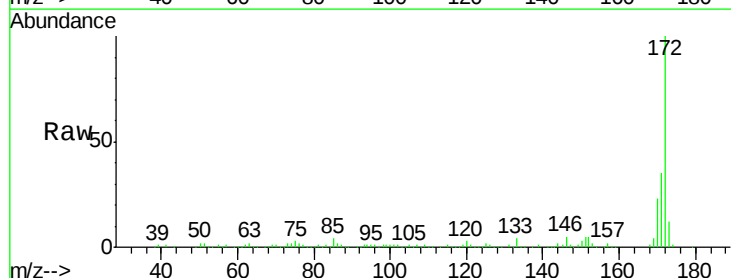
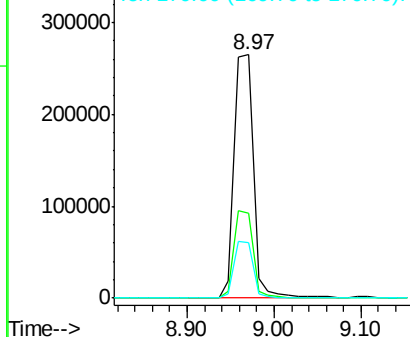
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

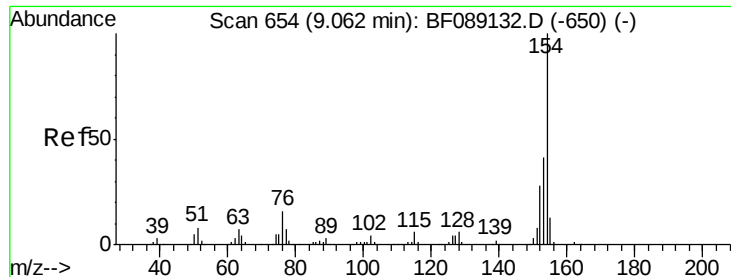


#44
 2-Fluorobiphenyl
 Concen: 76.01 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF089183.D
 Acq: 21 Jul 2016 16:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.2	43.8
170	22.9	19.1	28.7

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 4.46 ng

RT: 9.06 min Scan# 654

Delta R.T. 0.00 min

Lab File: BF089183.D

Acq: 21 Jul 2016 16:42

Instrument :

BNA_F

ClientSampleId :

KMW-03-0.2-2.0

Tot Ion:154 Resp: 29563

Ion Ratio Lower Upper

154 100

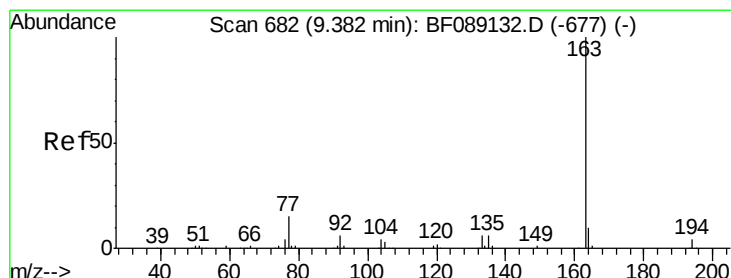
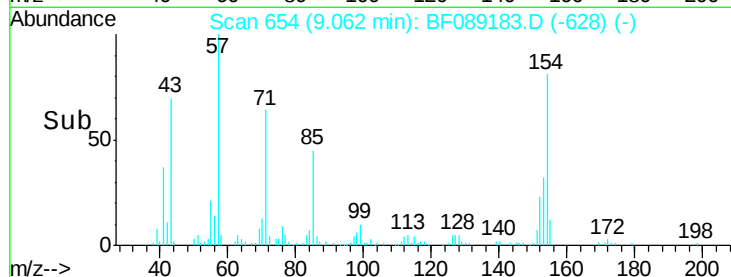
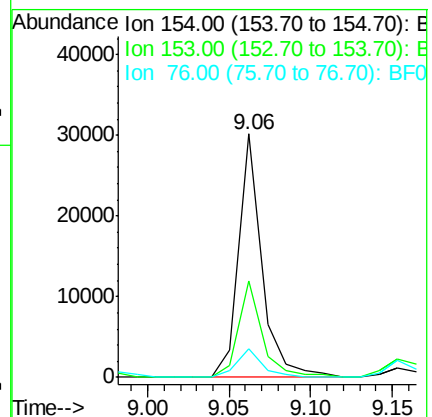
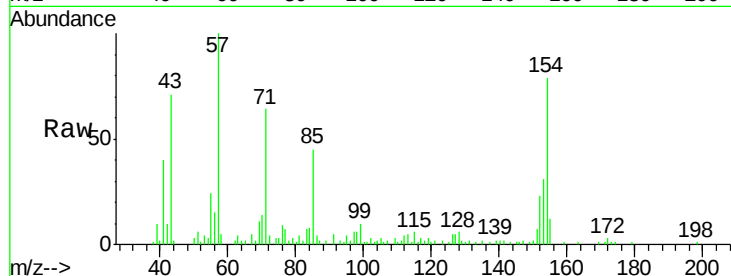
153 39.5 21.1 61.1

76 11.7 0.0 35.8

Manual Integrations

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#49

Dimethylphthalate

Concen: 23.21 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF089183.D

Acq: 21 Jul 2016 16:42

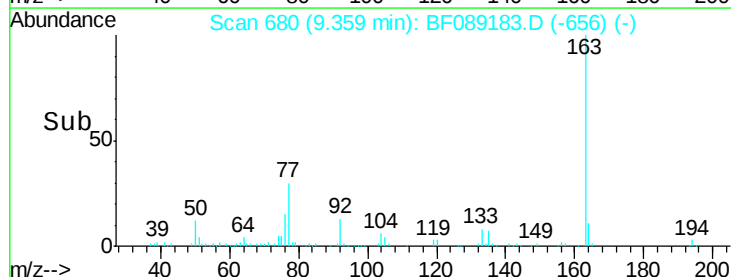
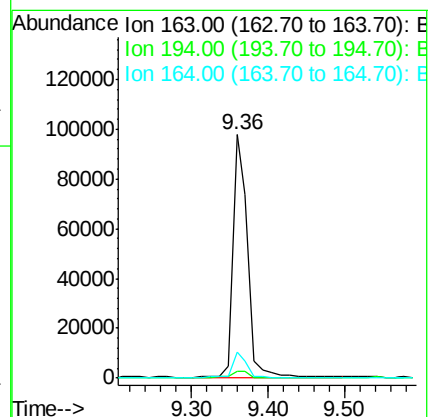
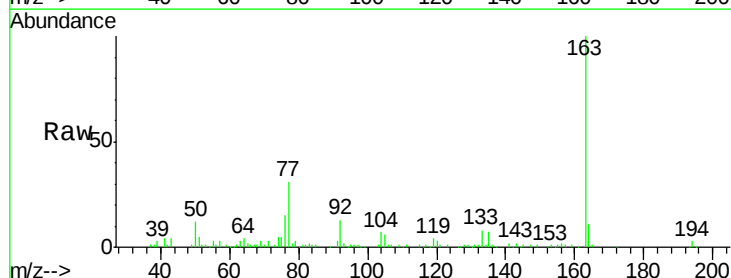
Tgt Ion:163 Resp: 130955

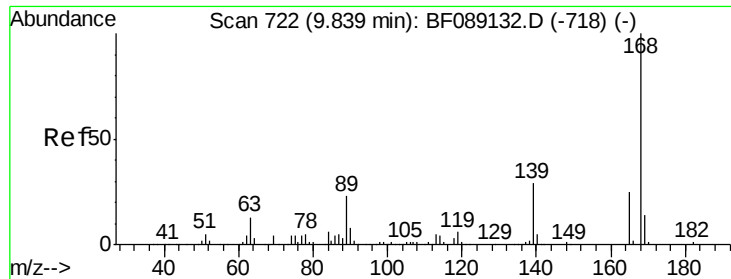
Ion Ratio Lower Upper

163 100

194 2.9 2.9 4.3

164 10.9 7.6 11.4





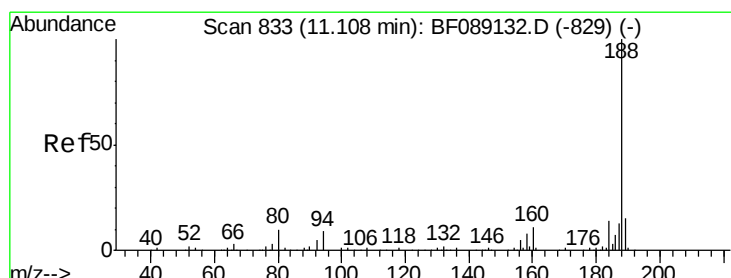
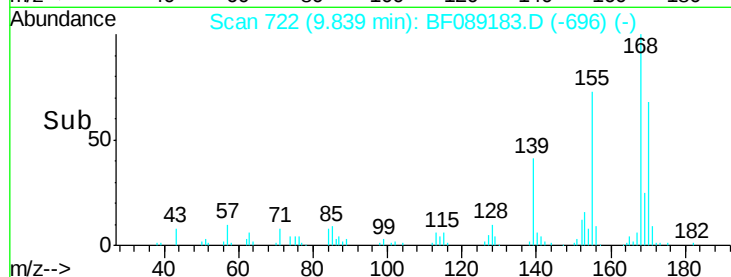
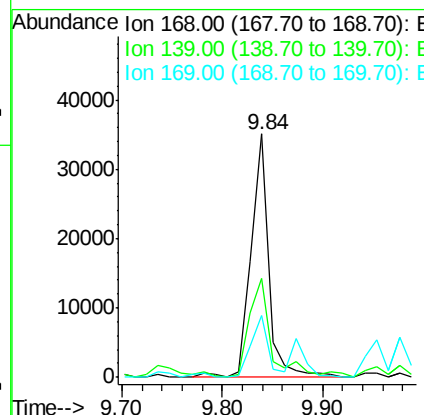
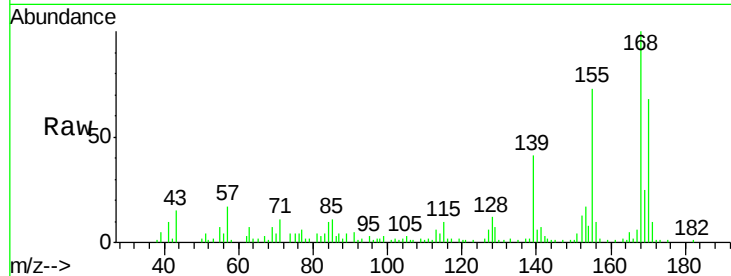
#54
Dibenzenofuran
Concen: 6.82 ng
RT: 9.84 min Scan# 722
Delta R.T. 0.00 min
Lab File: BF089183.D
Acq: 21 Jul 2016 16:42

Instrument :
BNA_F
ClientSampleId :
KMW-03-0.2-2.0

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.6	34.4	51.6
169	25.2	10.8	16.2

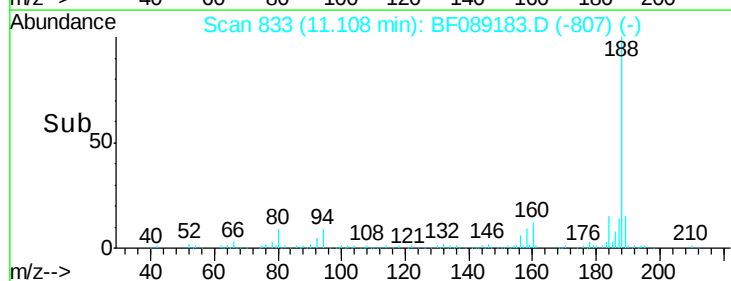
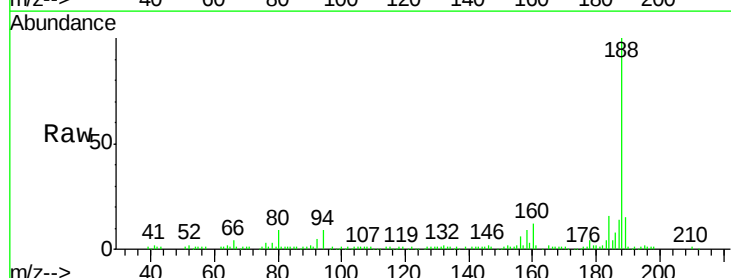
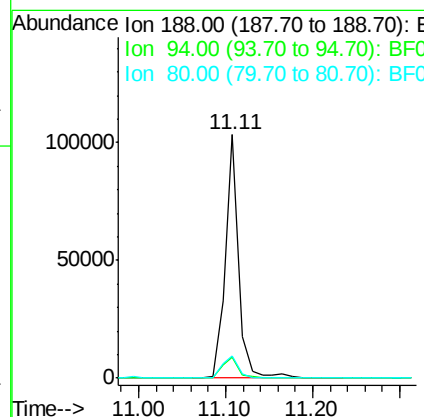
Manual Integrations

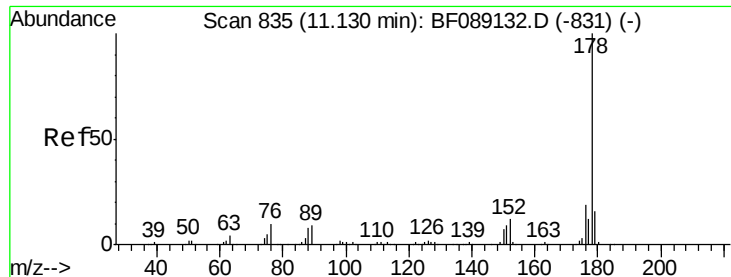
umangi
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF089183.D
Acq: 21 Jul 2016 16:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.0	10.4
80	9.1	7.7	11.5





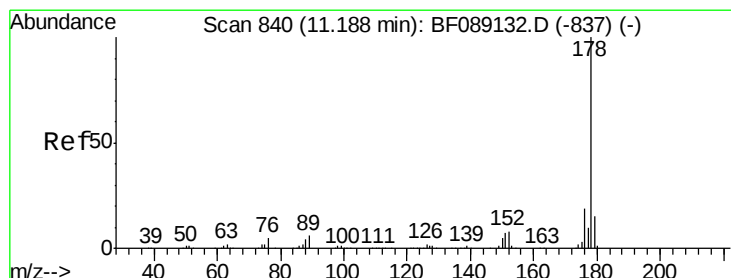
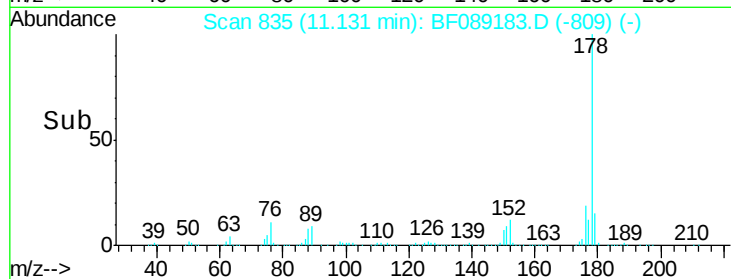
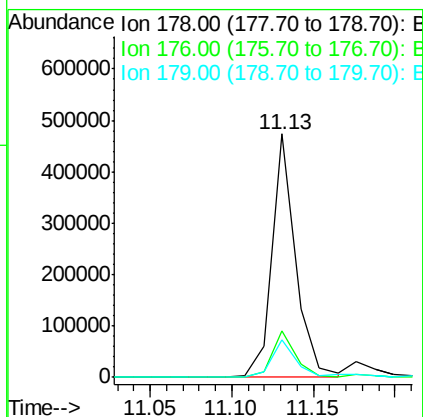
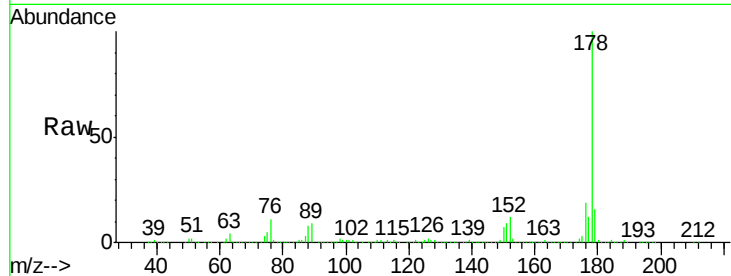
#70
Phenanthrene
Concen: 77.38 ng
RT: 11.13 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF089183.D
Acq: 21 Jul 2016 16:42

Instrument :
BNA_F
ClientSampleId :
KMW-03-0.2-2.0

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.7	12.4	18.6

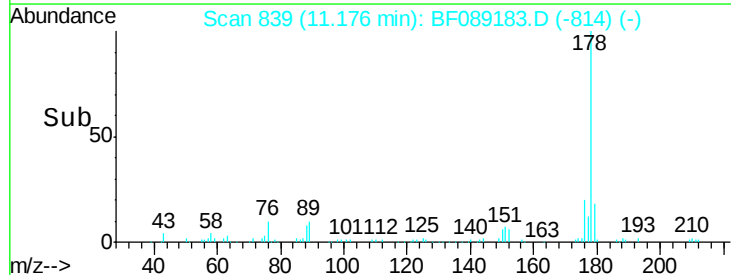
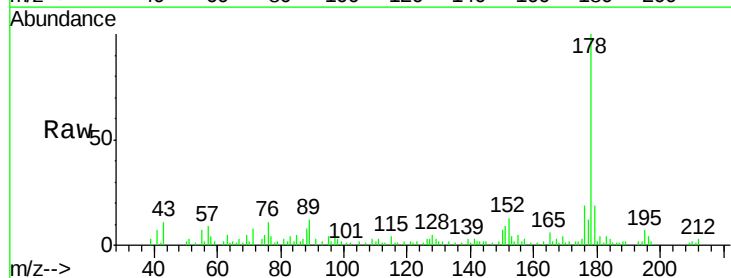
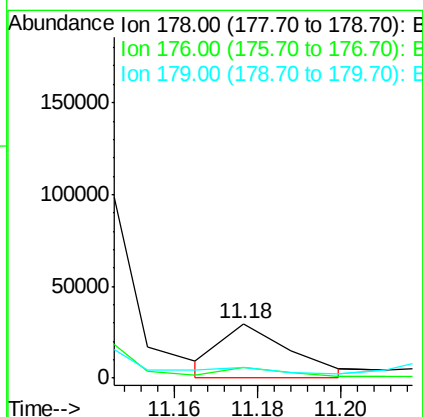
Manual Integrations

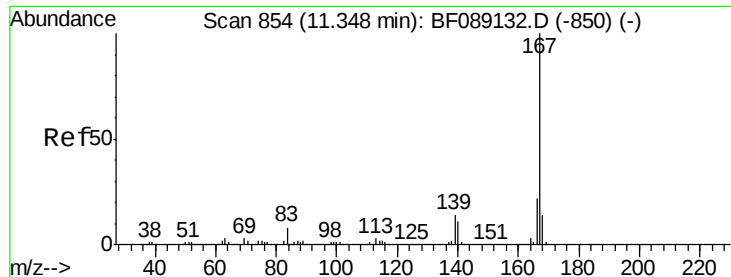
umangi
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#71
Anthracene
Concen: 5.31 ng m
RT: 11.18 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF089183.D
Acq: 21 Jul 2016 16:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.9	22.3
179	19.3	12.0	18.0#





#72

Carbazole

Concen: 5.70 ng

RT: 11.35 min Scan# 854

Delta R.T. 0.00 min

Lab File: BF089183.D

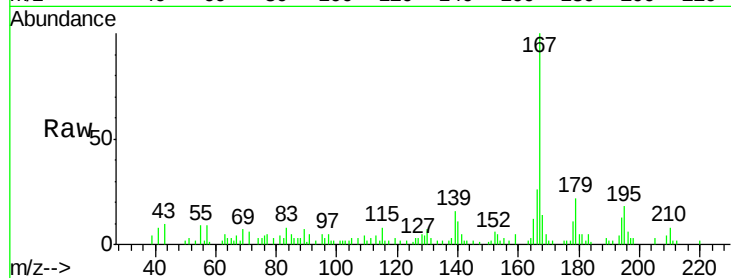
Acq: 21 Jul 2016 16:42

Instrument :

BNA_F

ClientSampleId :

KMW-03-0.2-2.0



Tot Ion:167 Resp: 32052

Ion Ratio Lower Upper

167 100

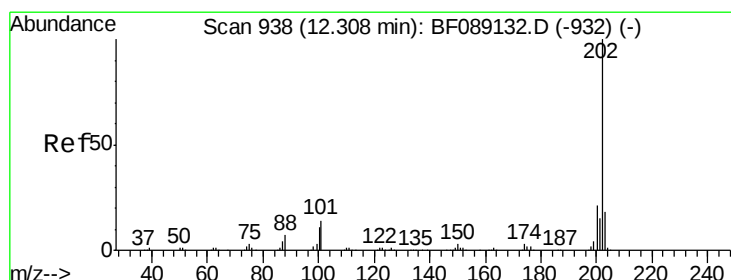
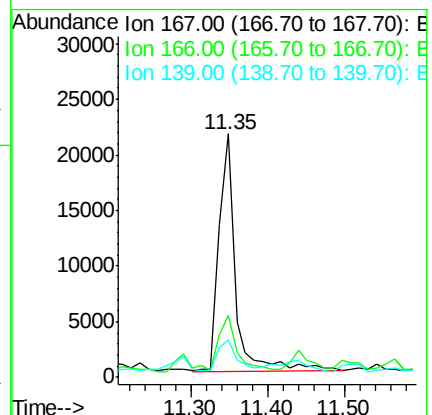
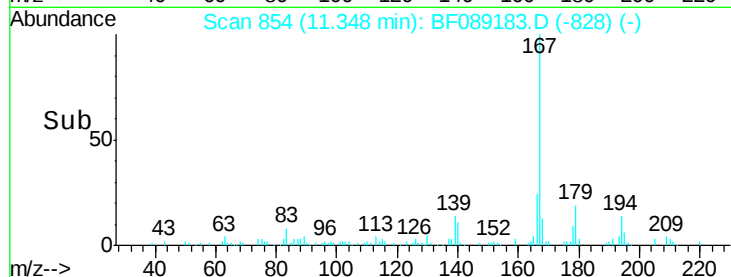
166 25.6 17.7 26.5

139 15.7 11.0 16.4

Manual Integrations

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#74

Fluoranthene

Concen: 19.24 ng

RT: 12.31 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF089183.D

Acq: 21 Jul 2016 16:42

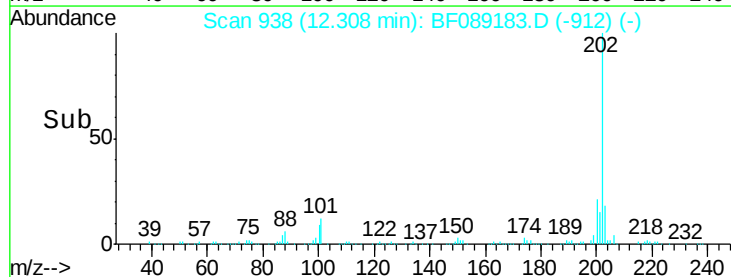
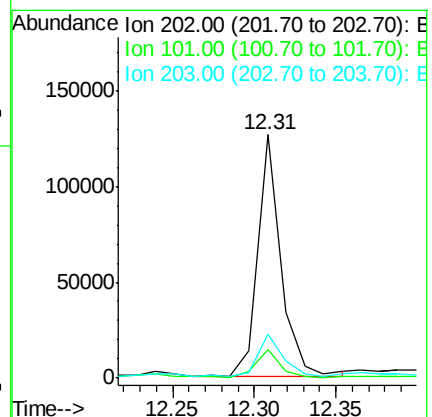
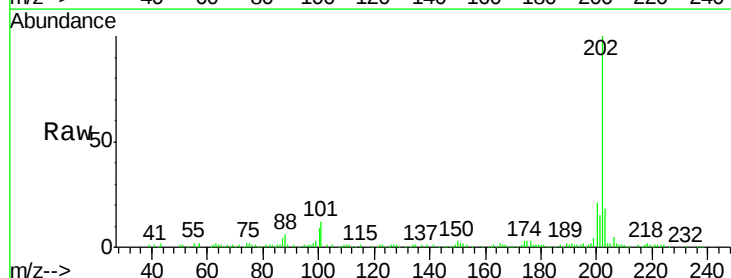
Tgt Ion:202 Resp: 124589

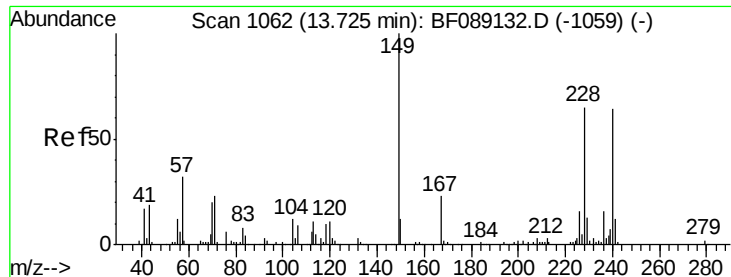
Ion Ratio Lower Upper

202 100

101 11.8 0.0 34.0

203 17.8 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BF089183.D

Acq: 21 Jul 2016 16:42

Instrument :

BNA_F

ClientSampleId :

KMW-03-0.2-2.0

Tot Ion:240 Resp: 92593

Ion Ratio Lower Upper

240 100

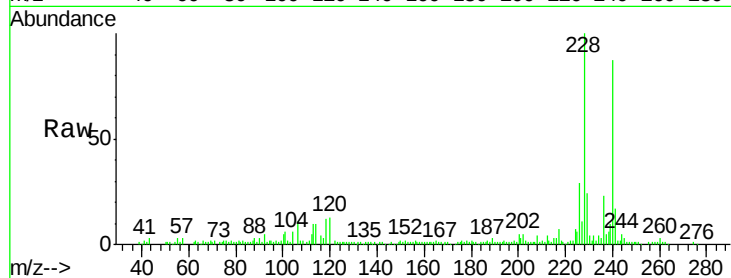
120 14.6 13.6 20.4

236 26.3 20.5 30.7

Manual Integrations

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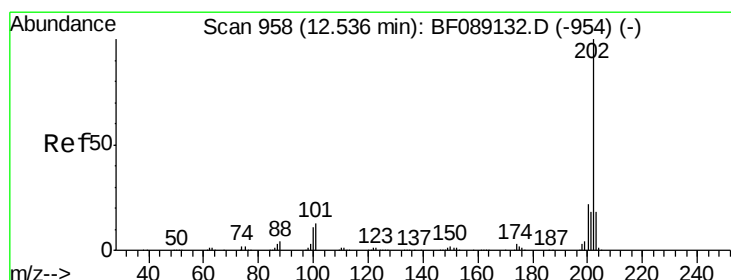
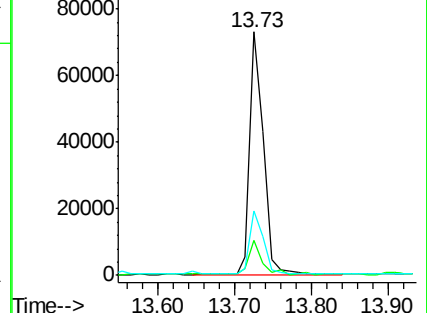
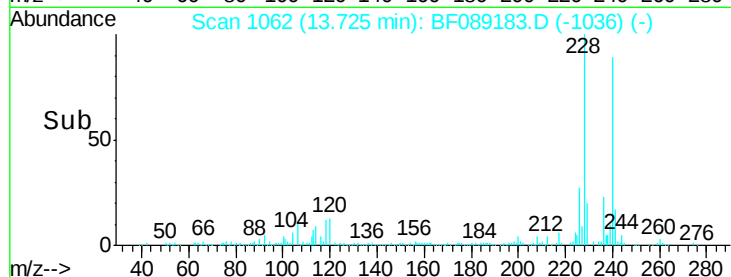
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 35.36 ng

RT: 12.54 min Scan# 958

Delta R.T. 0.00 min

Lab File: BF089183.D

Acq: 21 Jul 2016 16:42

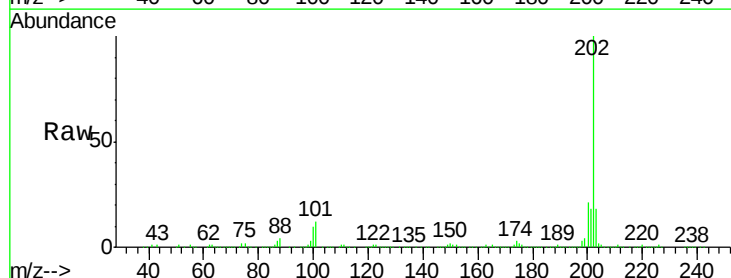
Tgt Ion:202 Resp: 270407

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.0

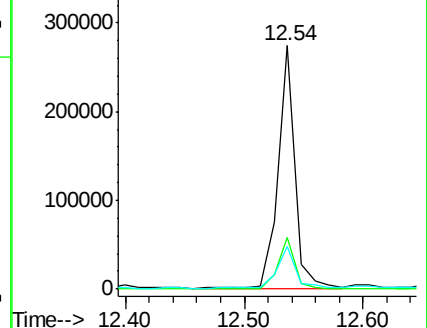
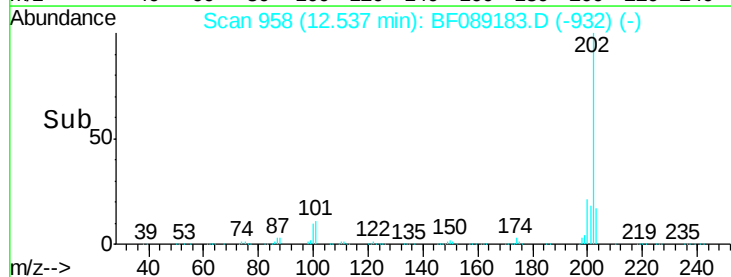
203 17.6 14.2 21.2

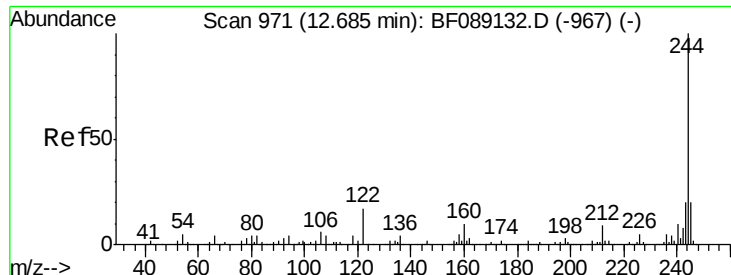


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





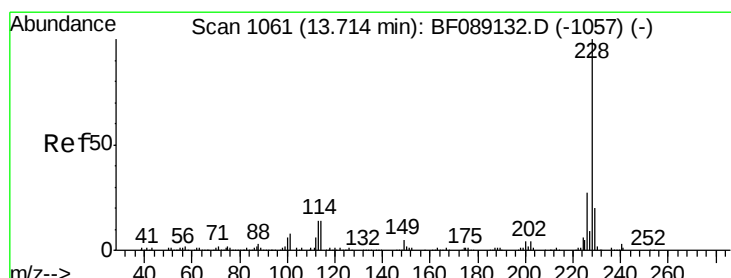
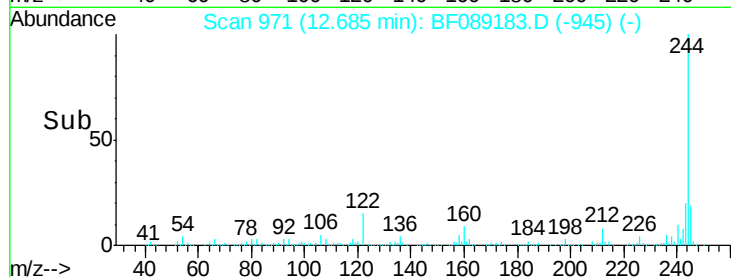
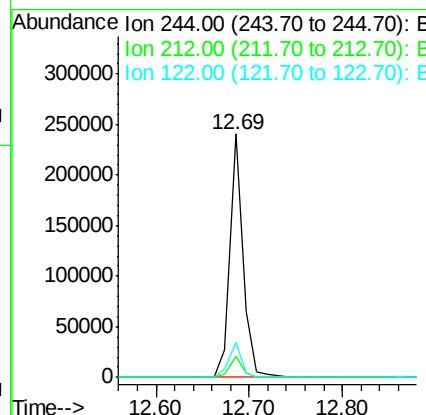
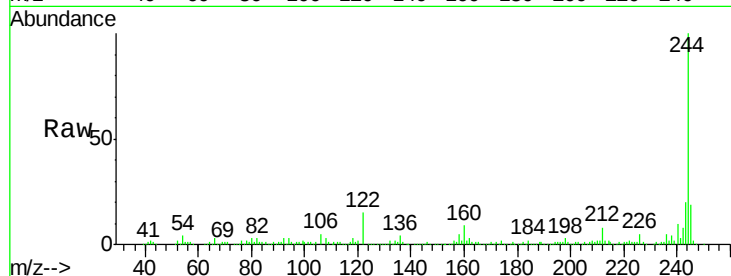
#78
 Terphenyl-d14
 Concen: 55.46 ng
 RT: 12.69 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: BF089183.D
 Acq: 21 Jul 2016 16:42

Instrument :
 BNA_F
 ClientSampleId :
 KMW-03-0.2-2.0

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.0	10.4
122	14.5	13.8	20.8

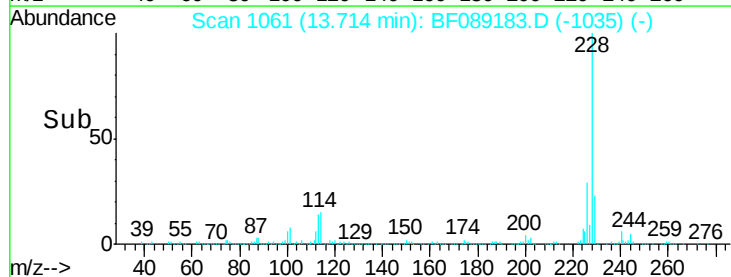
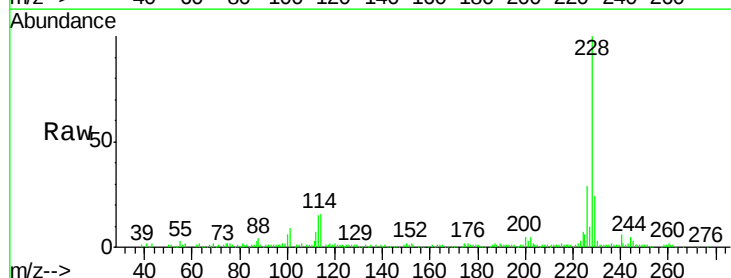
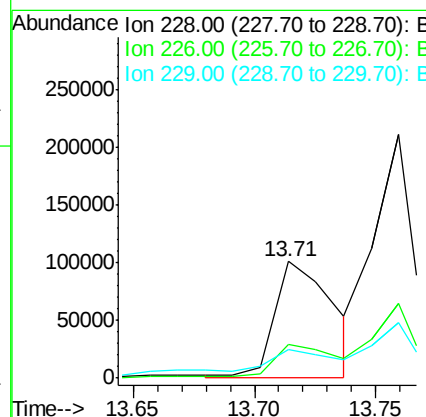
Manual Integrations

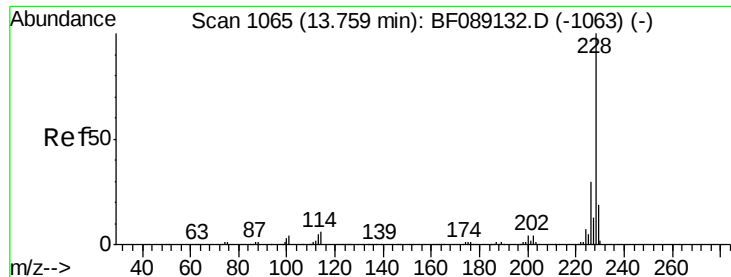
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#80
 Benzo(a)anthracene
 Concen: 29.11 ng m
 RT: 13.71 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BF089183.D
 Acq: 21 Jul 2016 16:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.8	32.8
229	24.3	15.8	23.8





#82

Chrysene

Concen: 43.71 ng/mL

RT: 13.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF089183.D

Acq: 21 Jul 2016 16:42

Instrument :

BNA_F

ClientSampleId :

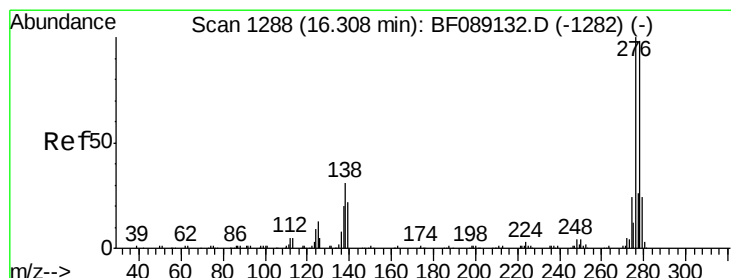
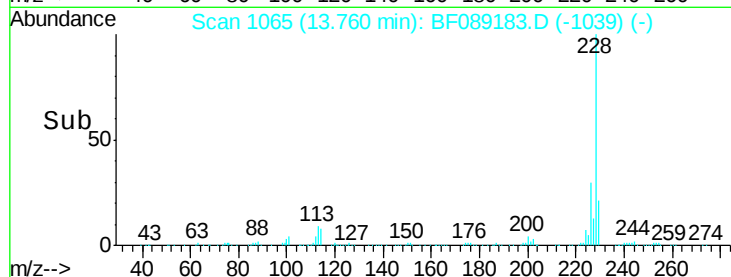
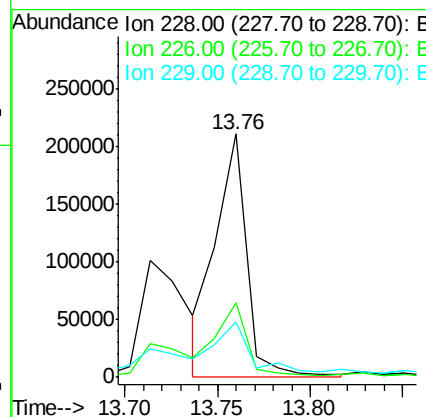
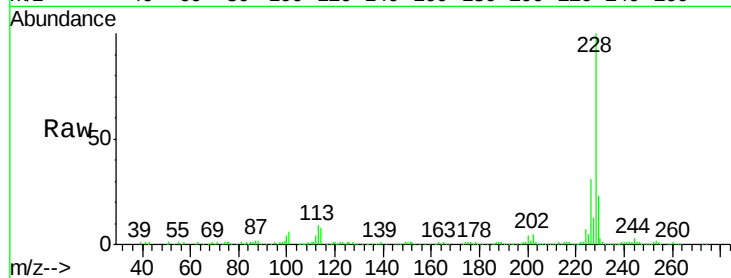
KMW-03-0.2-2.0

Tot Ion:	228	Resp:	246229
Ion Ratio	Lower	Upper	
228	100		
226	30.8	23.8	35.8
229	22.6	15.4	23.0

Manual Integrations

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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.77 ng/mL

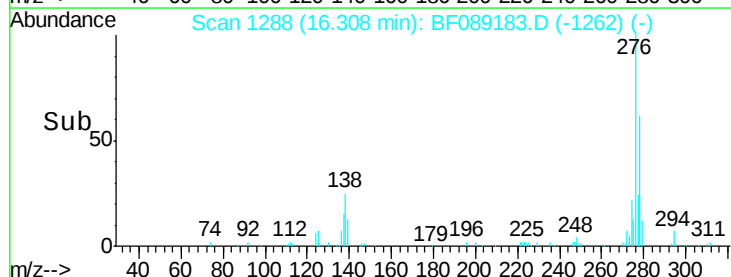
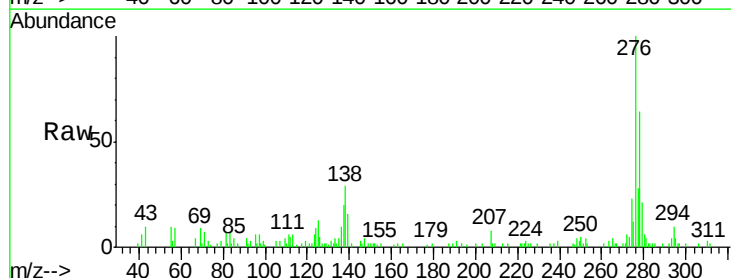
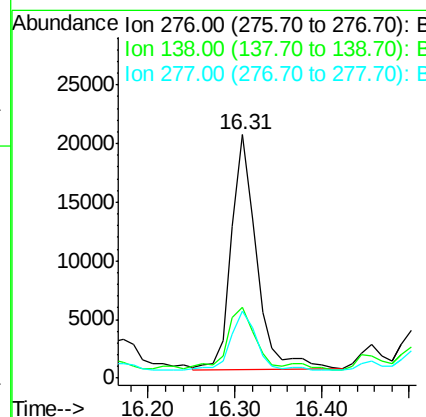
RT: 16.31 min Scan# 1288

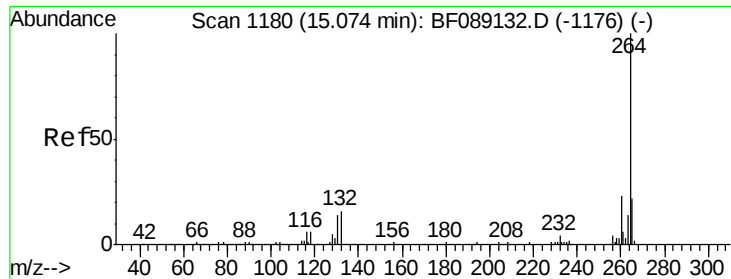
Delta R.T. 0.00 min

Lab File: BF089183.D

Acq: 21 Jul 2016 16:42

Tgt Ion:	276	Resp:	39963
Ion Ratio	Lower	Upper	
276	100		
138	28.1	23.7	35.5
277	28.6	20.6	31.0





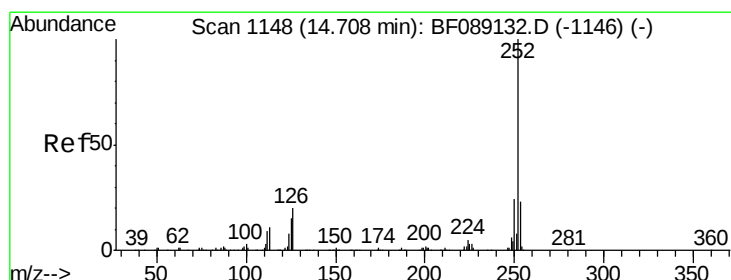
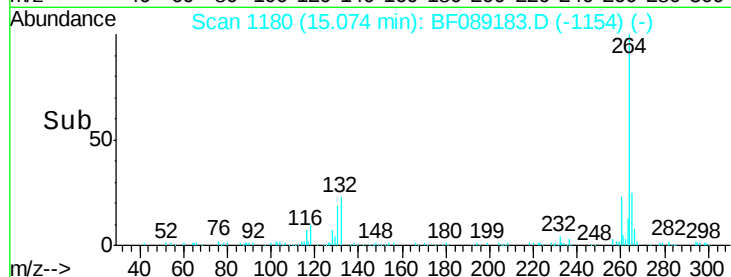
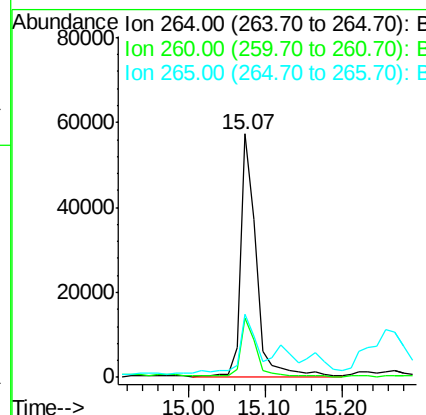
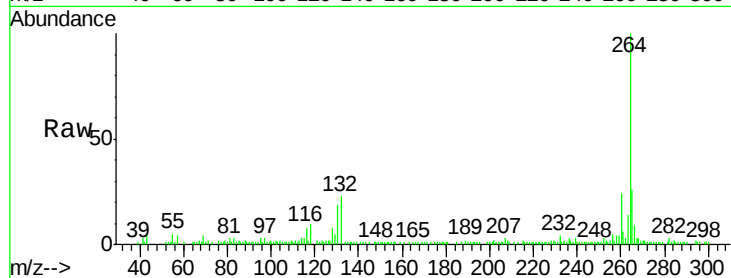
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BF089183.D
Acq: 21 Jul 2016 16:42

Instrument :
BNA_F
ClientSampleId :
KMW-03-0.2-2.0

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.5	27.7
265	26.1	17.3	25.9

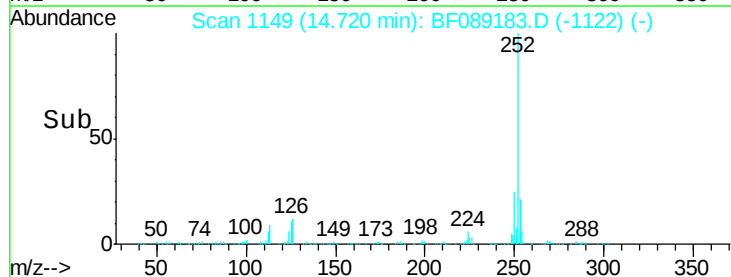
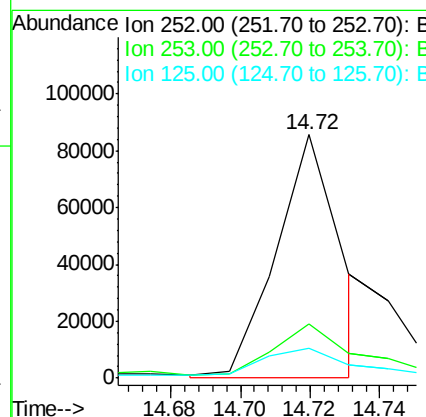
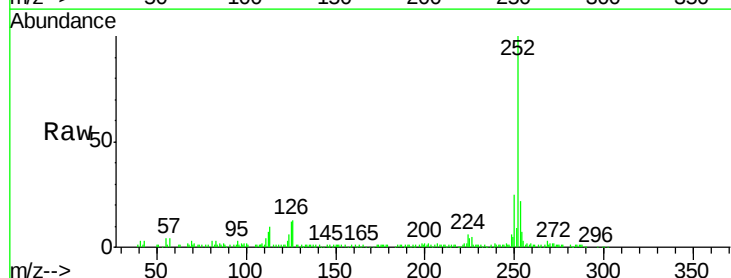
Manual Integrations

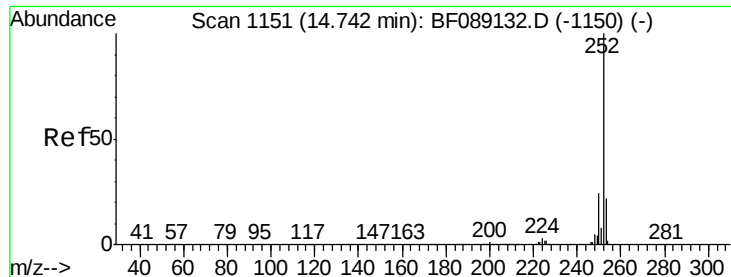
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#87
Benzo(b)fluoranthene
Concen: 18.22 ng m
RT: 14.72 min Scan# 1149
Delta R.T. 0.01 min
Lab File: BF089183.D
Acq: 21 Jul 2016 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	12.3	11.9	17.9





#88

Benzo(k)fluoranthene

Concen: 6.01 ng

RT: 14.73 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF089183.D

Acq: 21 Jul 2016 16:42

Instrument :

BNA_F

ClientSampleId :

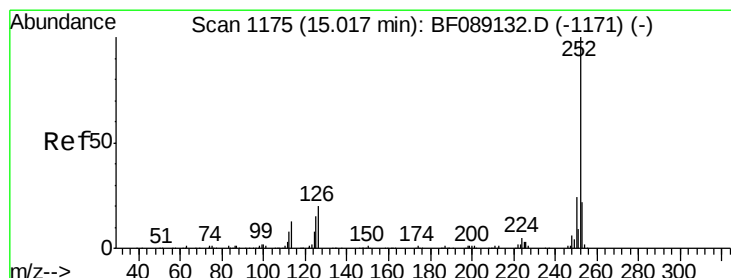
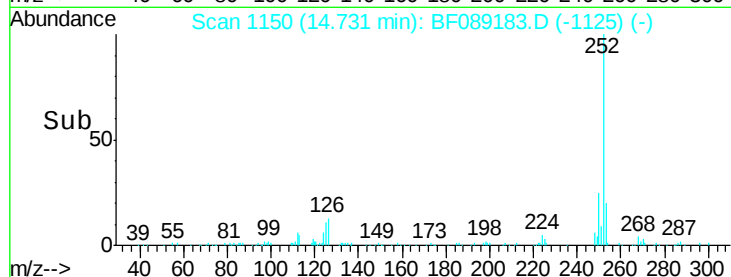
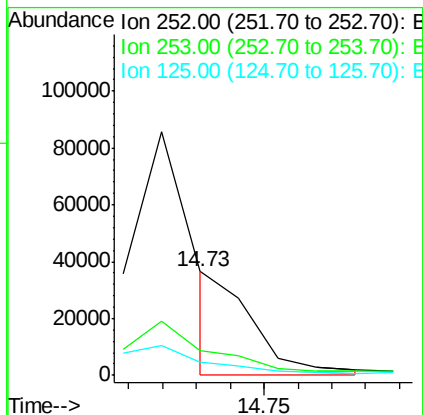
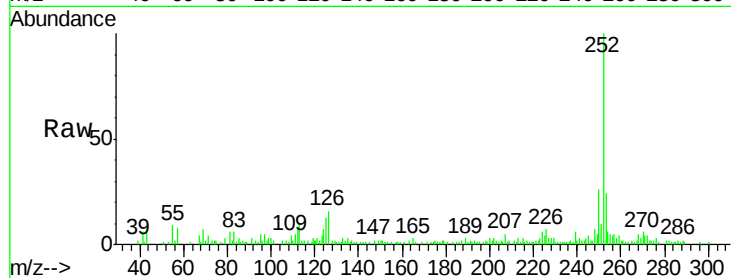
KMW-03-0.2-2.0

Tot Ion:	252	Resp:	25950
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.3	25.9
125	13.3	6.3	9.5#

Manual Integrations

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#89

Benzo(a)pyrene

Concen: 16.50 ng

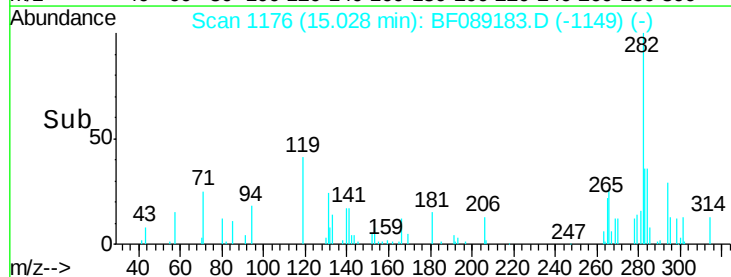
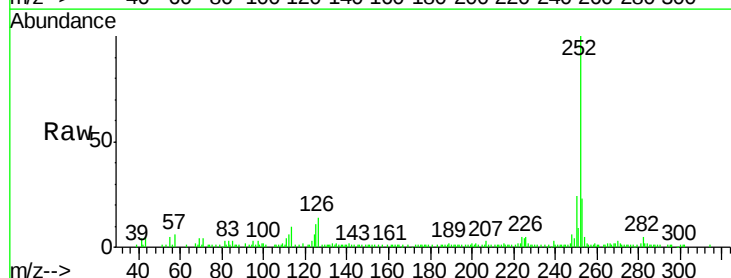
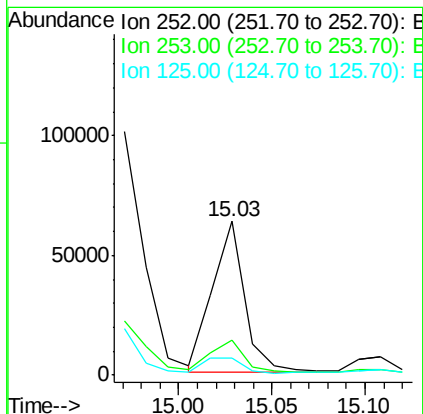
RT: 15.03 min Scan# 1176

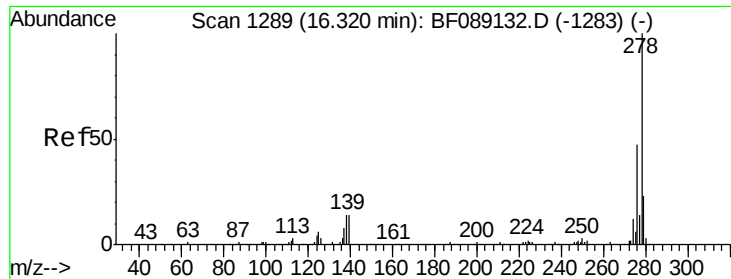
Delta R.T. 0.01 min

Lab File: BF089183.D

Acq: 21 Jul 2016 16:42

Tgt Ion:	252	Resp:	77387
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	11.1	12.4	18.6#





#90

Dibenzo(a,h)anthracene

Concen: 8.26 ng

RT: 16.32 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BF089183.D

Acq: 21 Jul 2016 16:42

Instrument :

BNA_F

ClientSampleId :

KMW-03-0.2-2.0

Tot Ion:278 Resp: 30603

Ion Ratio Lower Upper

278 100

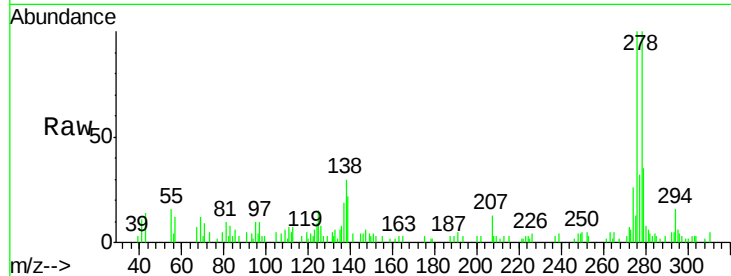
139 21.9 11.4 17.2#

279 35.6 18.4 27.6#

Manual Integrations

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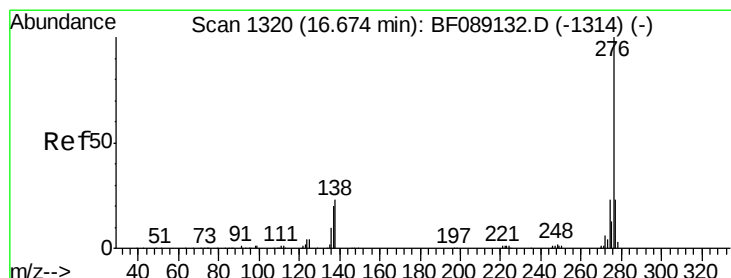
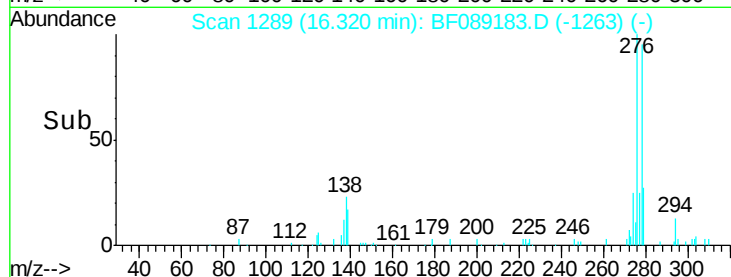
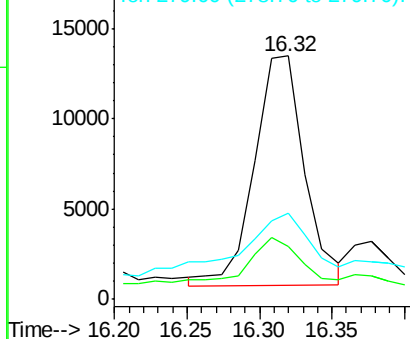
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Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 14.00 ng

RT: 16.67 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF089183.D

Acq: 21 Jul 2016 16:42

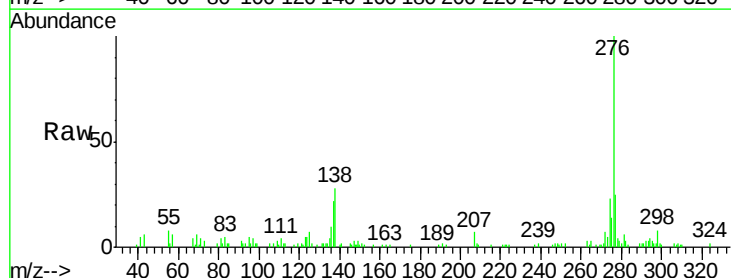
Tgt Ion:276 Resp: 52291

Ion Ratio Lower Upper

276 100

277 24.8 18.5 27.7

138 27.7 18.5 27.7



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

