

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089262.D
 Acq On : 24 Jul 2016 6:05
 Operator : UM/SJ
 Sample : H4151-06
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMP

Manual Integrations

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Quant Time: Jul 25 05:15:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 03:29:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	46788	20.00	ng	0.00
21) Naphthalene-d8	7.86	136	214531	20.00	ng	-0.01
38) Acenaphthene-d10	9.61	164	87682	20.00	ng	0.00
63) Phenanthrene-d10	11.08	188	135019	20.00	ng	0.00
75) Chrysene-d12	13.70	240	96911	20.00	ng	-0.01
86) Perylene-d12	15.05	264	97073	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	359194	116.76	ng	0.01
7) Phenol-d6	6.24	99	496623	125.18	ng	0.00
23) Nitrobenzene-d5	7.15	82	300895	74.52	ng	0.00
41) 2,4,6-Tribromophenol	10.40	330	76621	97.06	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	523027	82.19	ng	0.00
78) Terphenyl-d14	12.66	244	286537	64.13	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.34	163	59999	8.92	ng	Qvalue # 96
70) Phenanthrene	11.11	178	23076	3.12	ng	99
74) Fluoranthene	12.29	202	48386	6.22	ng	96
77) Pyrene	12.50	202	40798m	5.10	ng	
80) Benzo(a)anthracene	13.69	228	24011	3.89	ng	93
82) Chrysene	13.73	228	20214	3.43	ng	97
85) Indeno(1,2,3-cd)pyrene	16.26	276	10658	2.49	ng	# 90
87) Benzo(b)fluoranthene	14.69	252	22625m	3.22	ng	
88) Benzo(k)fluoranthene	14.70	252	14471m	2.88	ng	
89) Benzo(a)pyrene	14.99	252	17486	3.20	ng	95

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

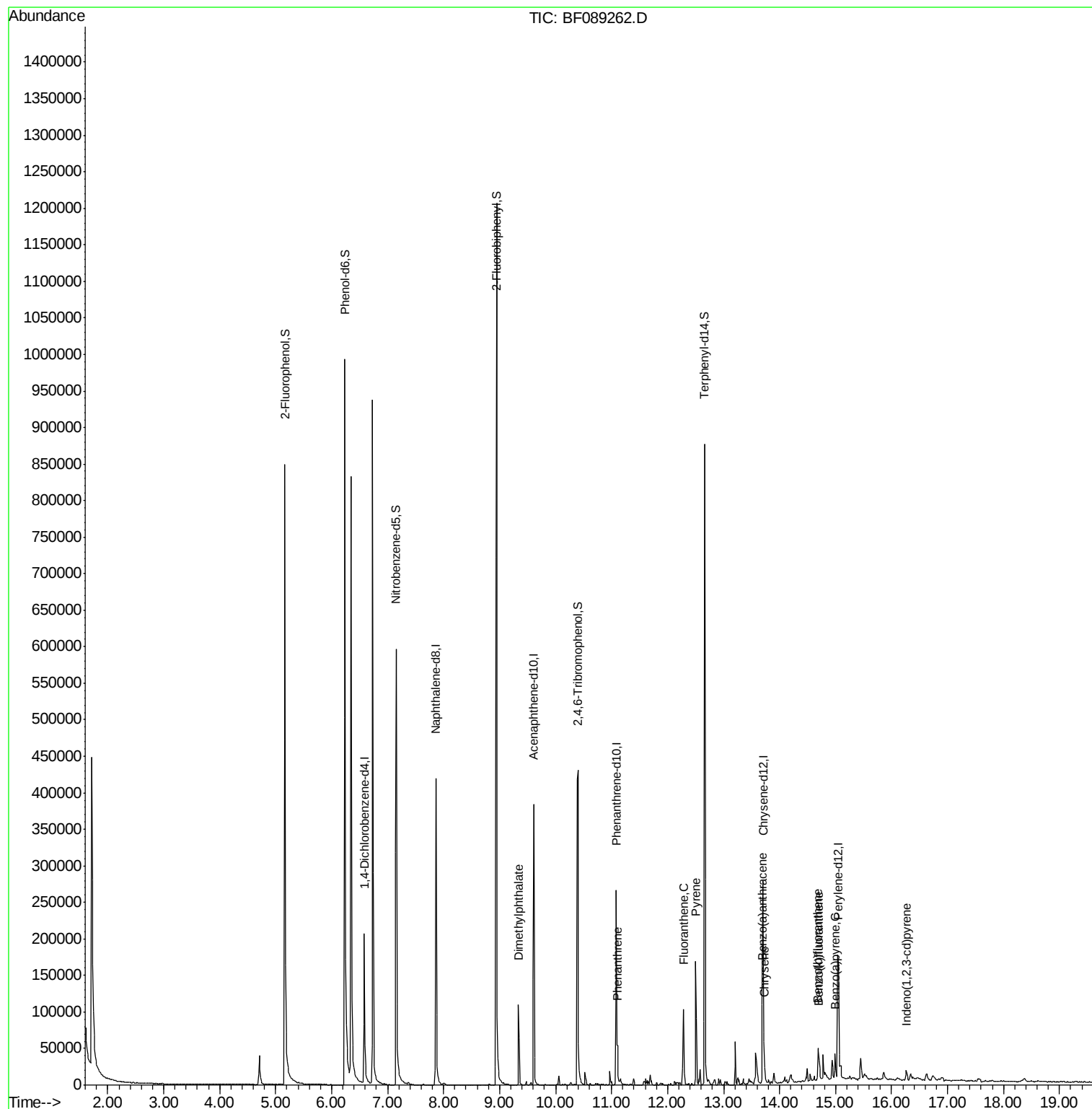
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
Data File : BF089262.D
Acq On : 24 Jul 2016 6:05
Operator : UM/SJ
Sample : H4151-06
Misc :
ALS Vial : 60 Sample Multiplier: 1

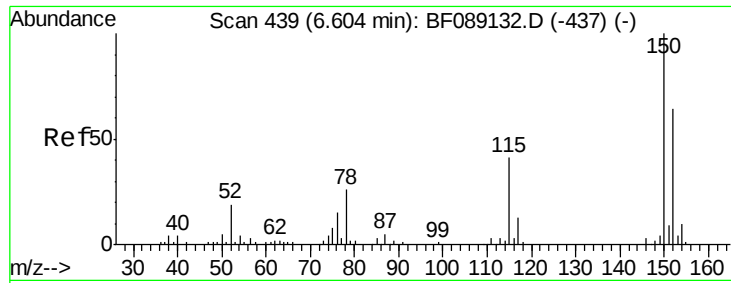
Instrument :
BNA_F
ClientSampleId :
SB-07-COMP

Manual Integrations

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Quant Time: Jul 25 05:15:00 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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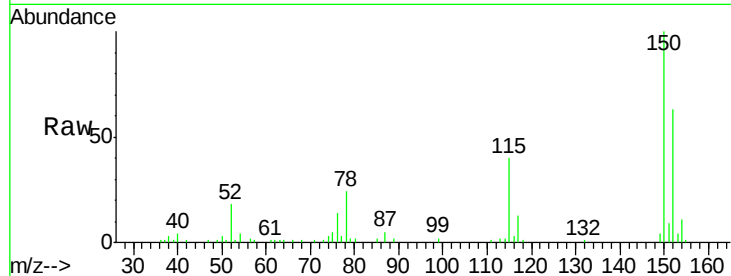
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.58 min Scan# 437
 Delta R.T. 0.00 min
 Lab File: BF089262.D
 Acq: 24 Jul 2016 6:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMP

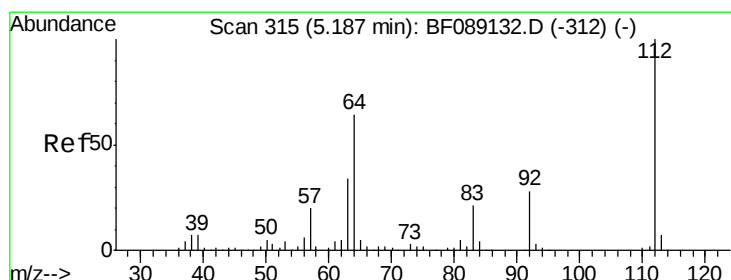
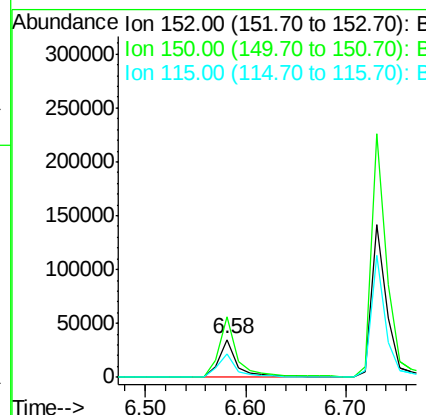
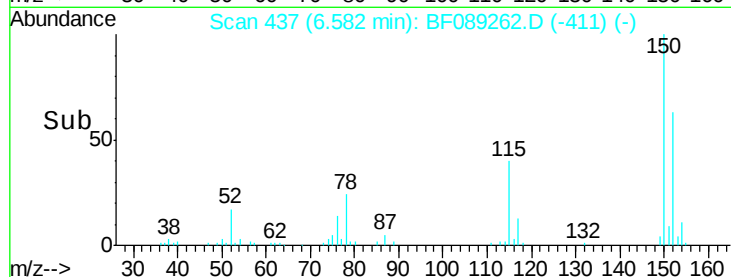
Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.8	125.1	187.7
115	63.0	51.1	76.7

Manual Integrations

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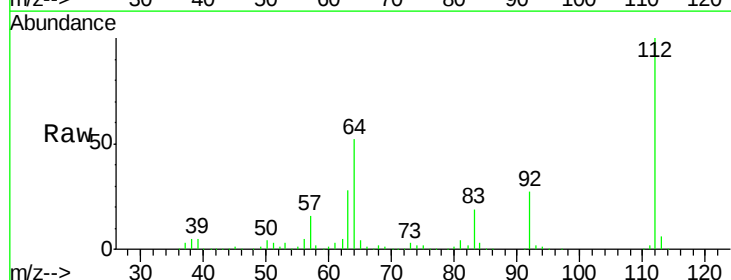


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

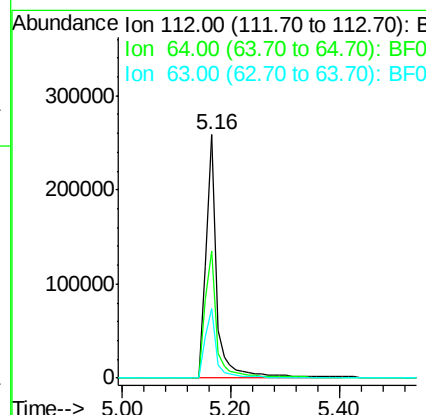
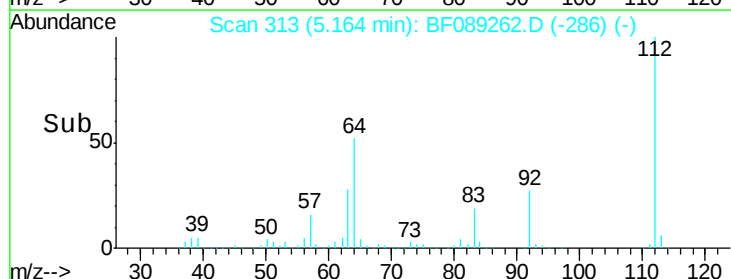


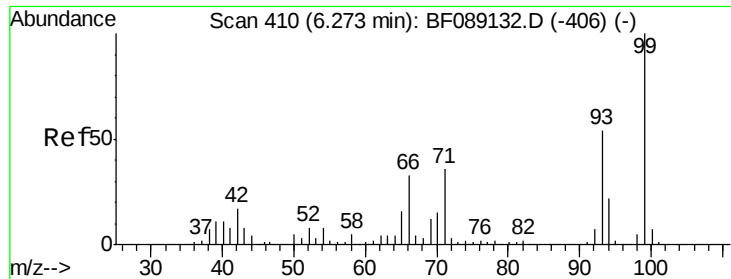
#5
 2-Fluorophenol
 Concen: 116.76 ng
 RT: 5.16 min Scan# 313
 Delta R.T. 0.01 min
 Lab File: BF089262.D
 Acq: 24 Jul 2016 6:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	51.0	76.4
63	28.4	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





#7

Phenol-d6

Concen: 125.18 ng

RT: 6.24 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF089262.D

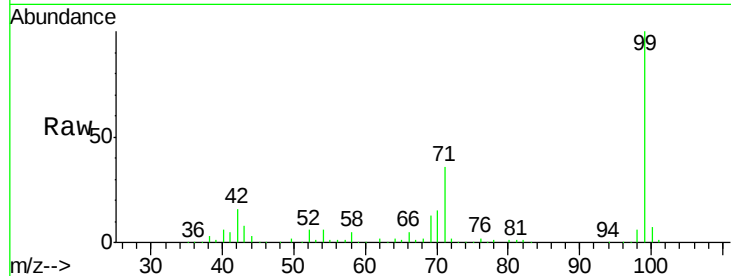
Acq: 24 Jul 2016 6:05

Instrument :

BNA_F

ClientSampleId :

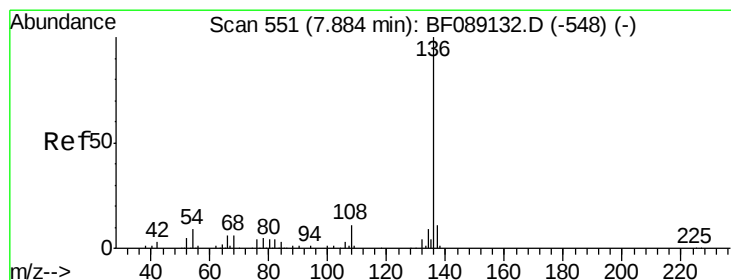
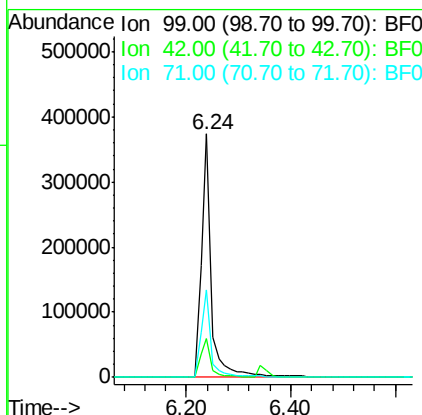
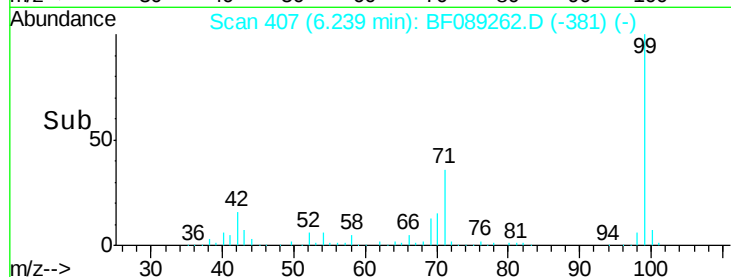
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Tgt Ion	Ion	Ratio	Lower	Upper
99	100			
42	15.8	13.5	20.3	
71	35.9	28.9	43.3	

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.00 ng

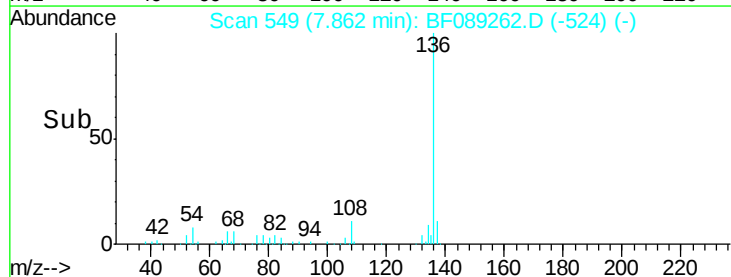
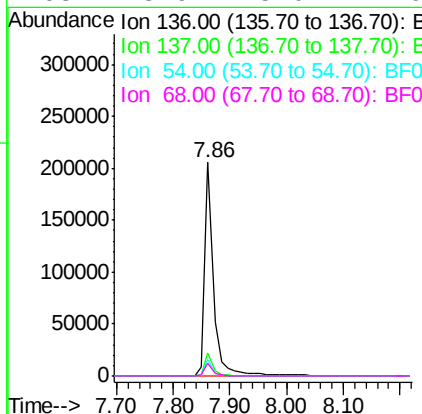
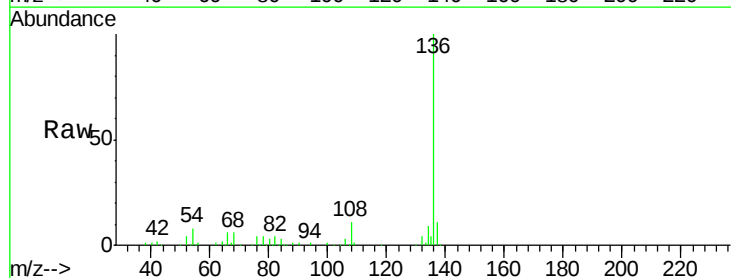
RT: 7.86 min Scan# 549

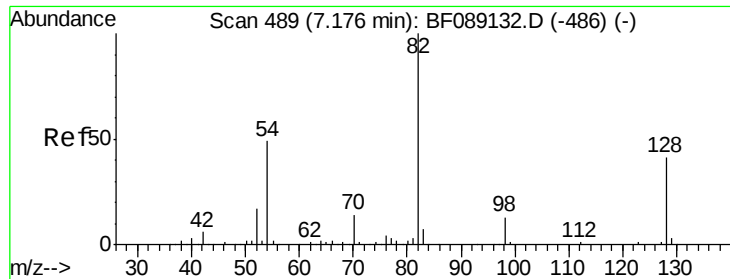
Delta R.T. -0.01 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.0	8.8	13.2	
54	7.6	7.0	10.4	
68	5.9	5.0	7.6	





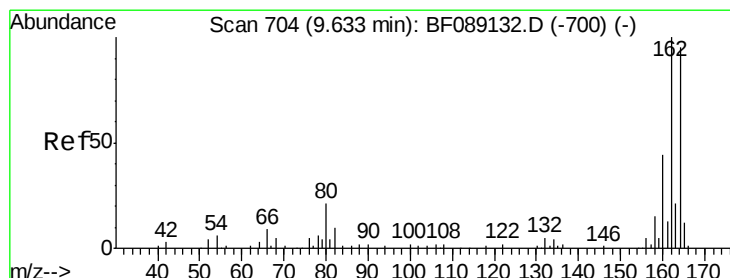
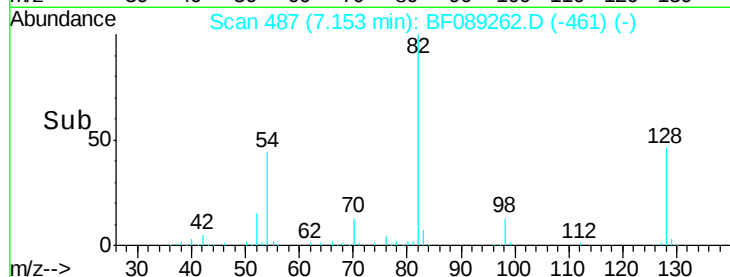
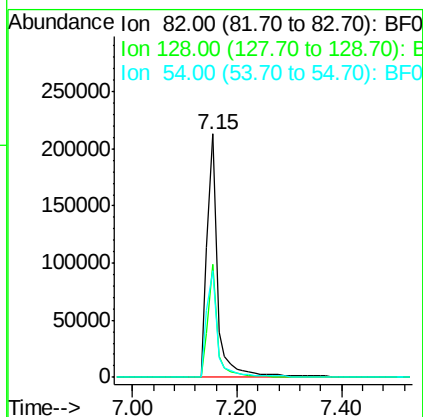
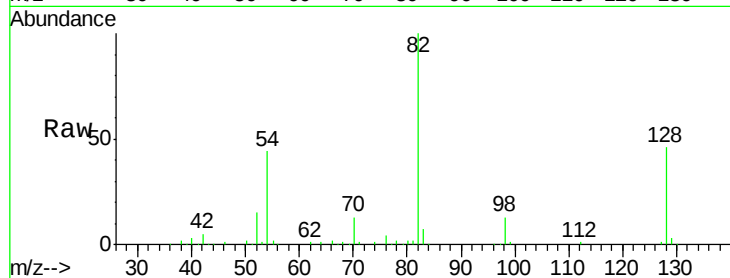
#23
 Nitrobenzene-d5
 Concen: 74.52 ng
 RT: 7.15 min Scan# 487
 Delta R.T. 0.00 min
 Lab File: BF089262.D
 Acq: 24 Jul 2016 6:05

Instrument :
 BNA_F
 ClientSampled :
 SB-07-COMP

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.3	33.0	49.6
54	43.7	39.0	58.4

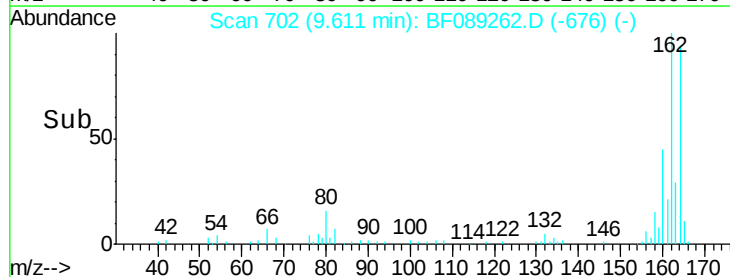
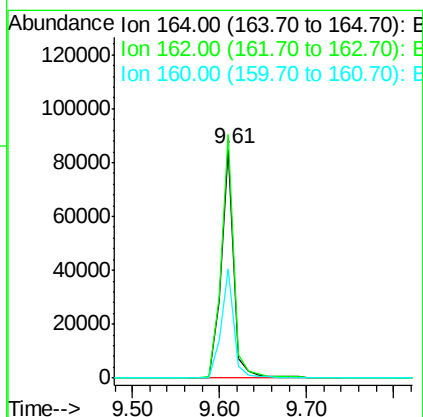
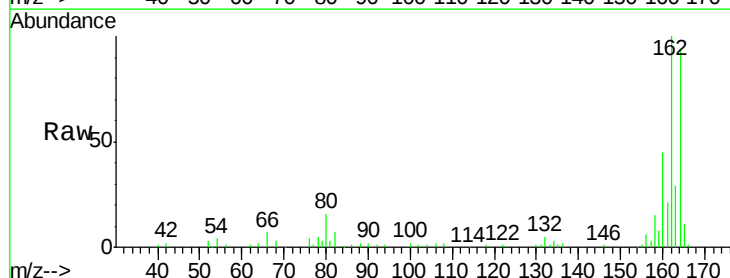
Manual Integrations

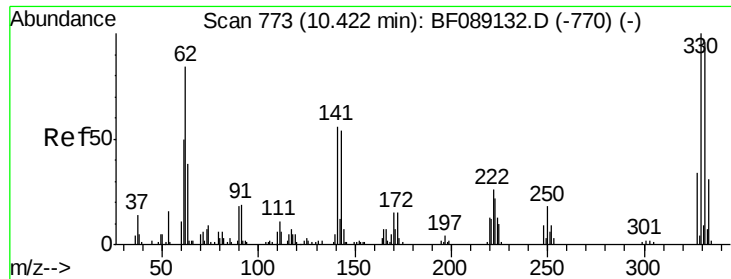
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: BF089262.D
 Acq: 24 Jul 2016 6:05

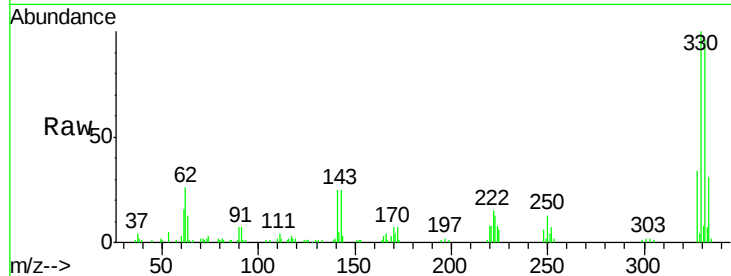
Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.4	84.1	126.1
160	47.6	37.1	55.7





#41
 2,4,6-Tribromophenol
 Concen: 97.06 ng
 RT: 10.40 min Scan# 771
 Delta R.T. 0.00 min
 Lab File: BF089262.D
 Acq: 24 Jul 2016 6:05

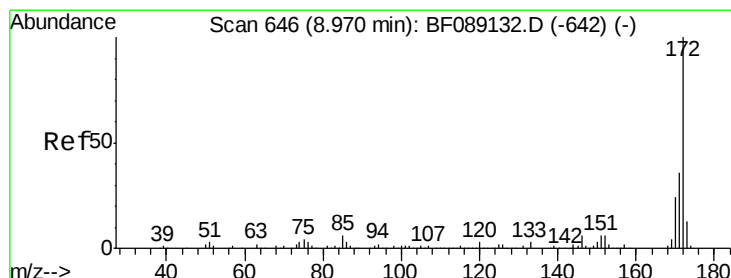
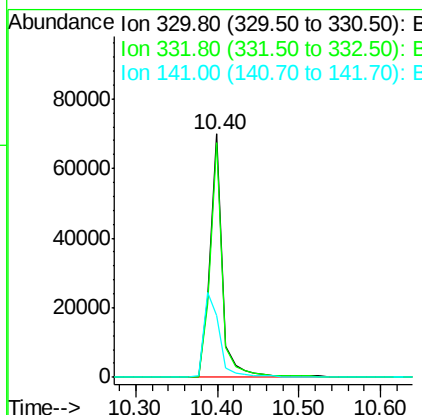
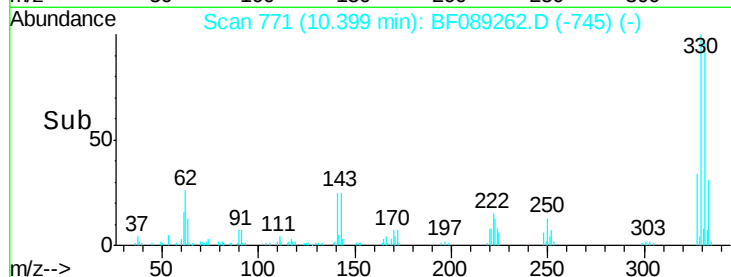
Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMP



Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.2	115.8
141	43.6	42.2	63.2

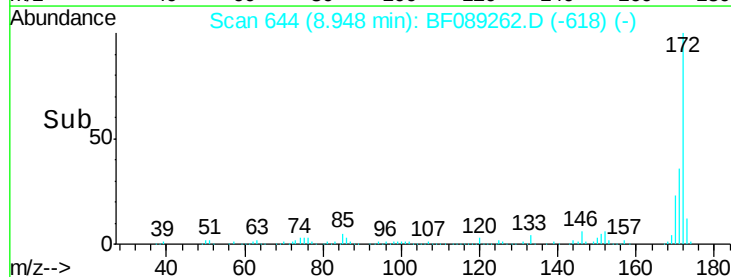
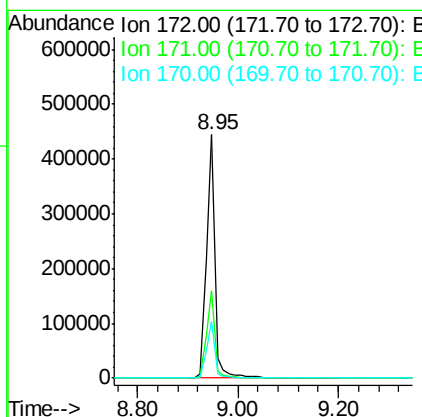
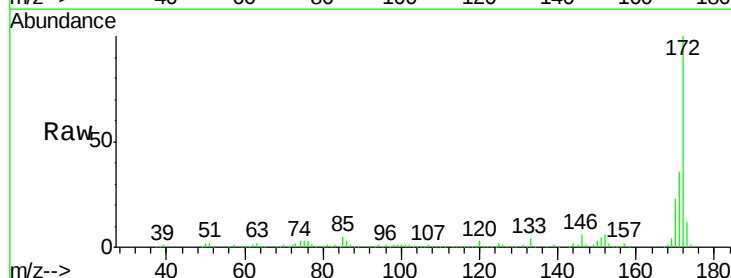
Manual Integrations

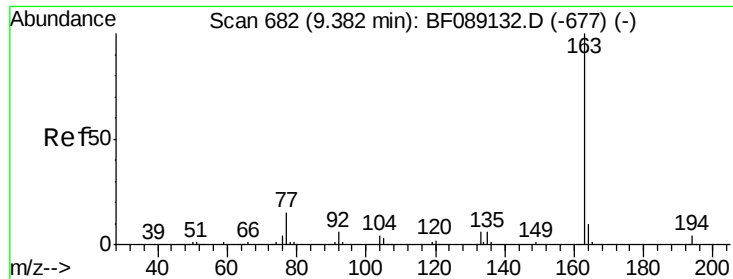
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#44
 2-Fluorobiphenyl
 Concen: 82.19 ng
 RT: 8.95 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: BF089262.D
 Acq: 24 Jul 2016 6:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.2	43.8
170	23.5	19.1	28.7





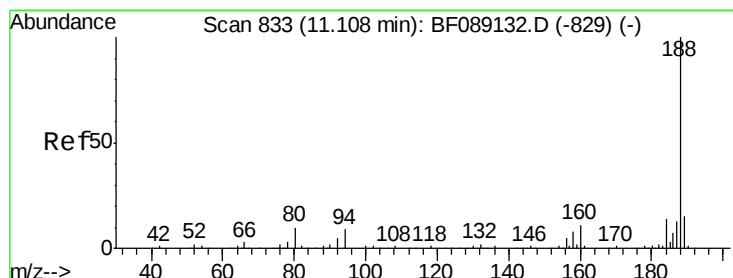
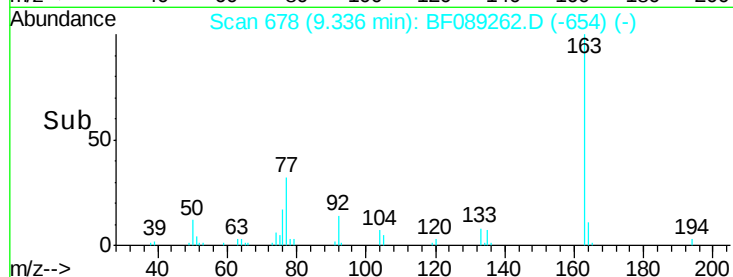
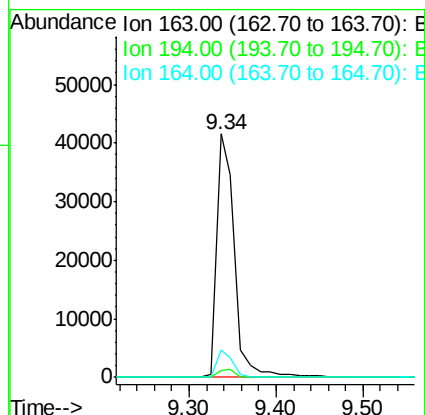
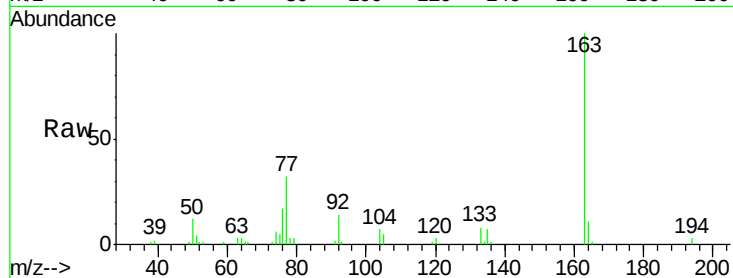
#49
Dimethylphthalate
Concen: 8.92 ng
RT: 9.34 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF089262.D
Acq: 24 Jul 2016 6:05

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:163 Resp: 59999
Ion Ratio Lower Upper
163 100
194 2.9 2.9 4.3#
164 11.0 7.6 11.4

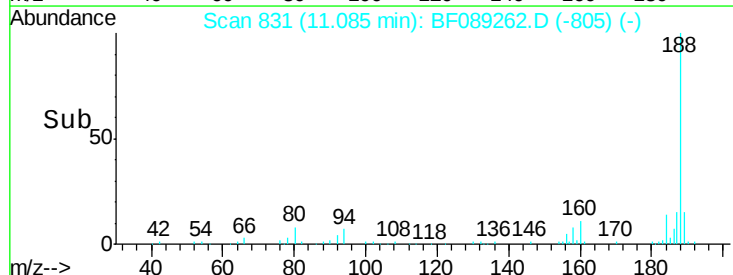
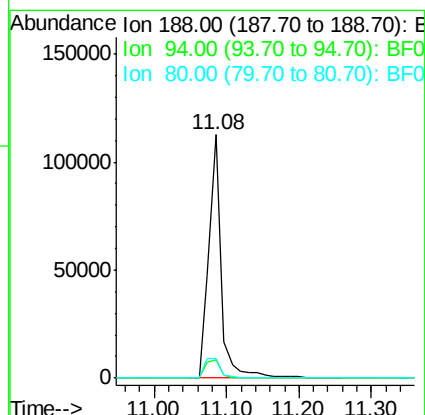
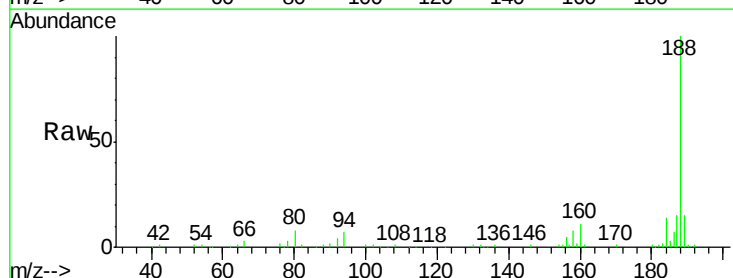
Manual Integrations

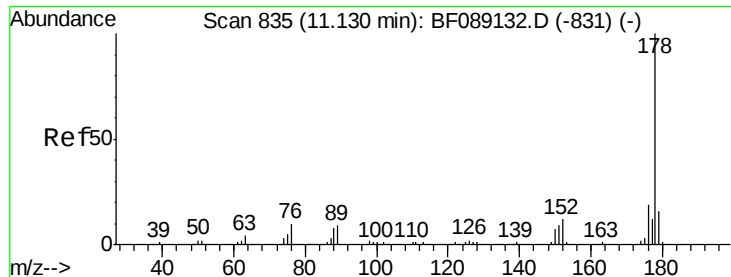
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF089262.D
Acq: 24 Jul 2016 6:05

Tgt Ion:188 Resp: 135019
Ion Ratio Lower Upper
188 100
94 7.3 7.0 10.4
80 8.0 7.7 11.5





#70

Phenanthrene

Concen: 3.12 ng

RT: 11.11 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF089262.D

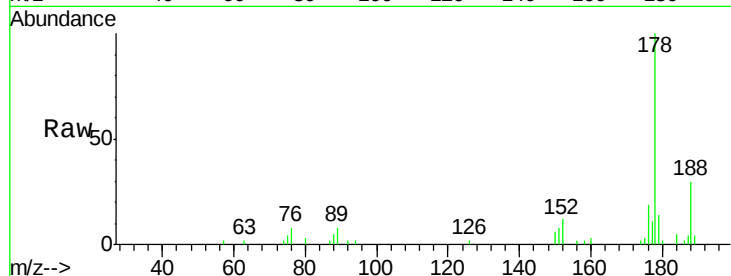
Acq: 24 Jul 2016 6:05

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:178 Resp: 23076

Ion Ratio Lower Upper

178 100

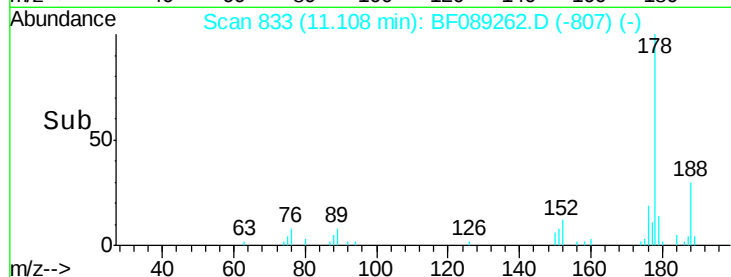
176 19.4 15.6 23.4

179 14.4 12.4 18.6

Manual Integrations

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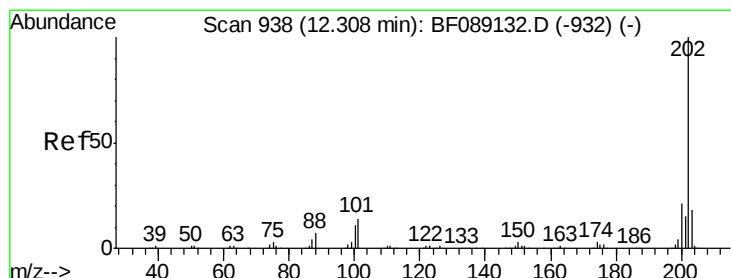
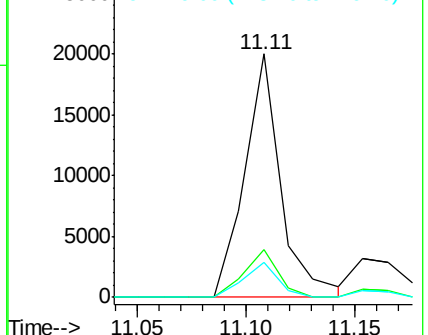
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.22 ng

RT: 12.29 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

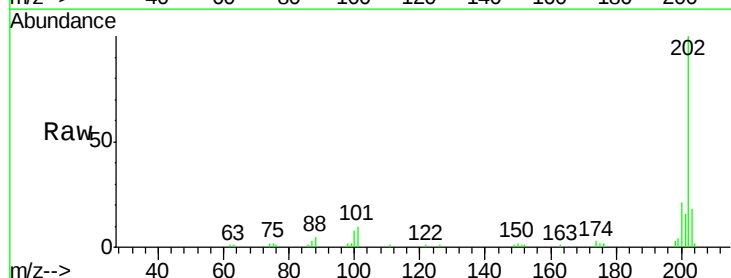
Tgt Ion:202 Resp: 48386

Ion Ratio Lower Upper

202 100

101 10.4 0.0 34.0

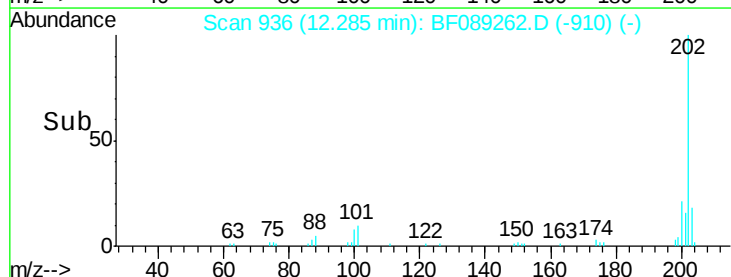
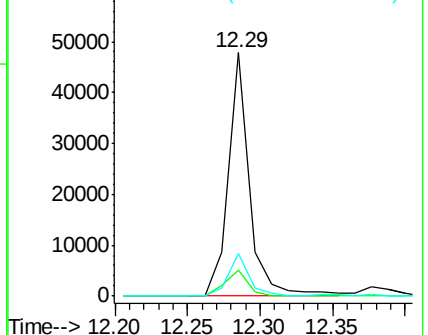
203 17.5 0.0 37.8

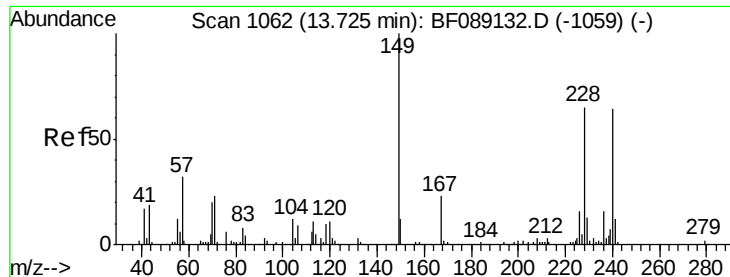


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.70 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

Tgt Ion:240 Resp: 96911

Ion Ratio Lower Upper

240 100

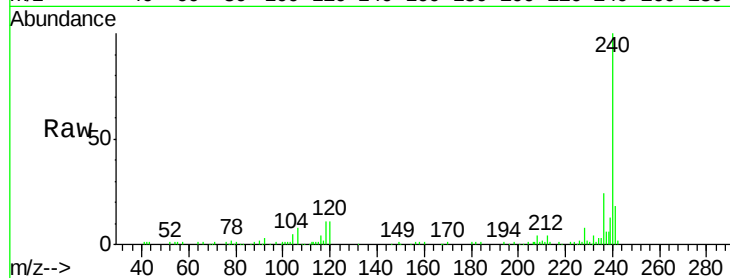
120 11.4 13.6 20.4#

236 24.2 20.5 30.7

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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

120000

100000

80000

60000

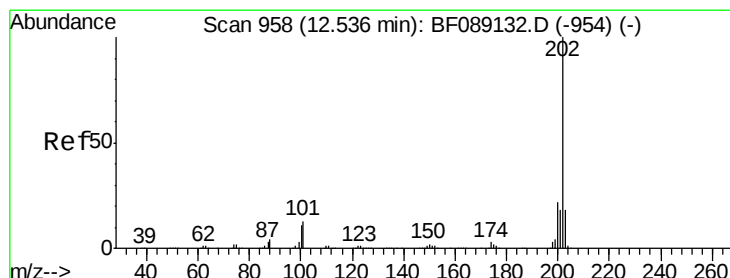
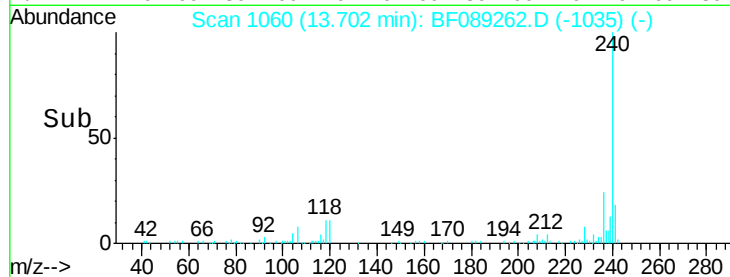
40000

20000

0

13.60 13.70 13.80

Time-->



#77

Pyrene

Concen: 5.10 ng m

RT: 12.50 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

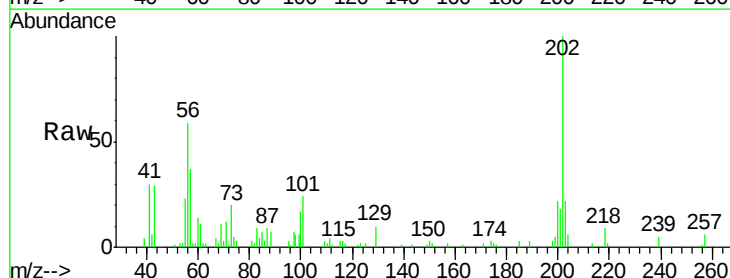
Tgt Ion:202 Resp: 40798

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.0

203 21.6 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

30000

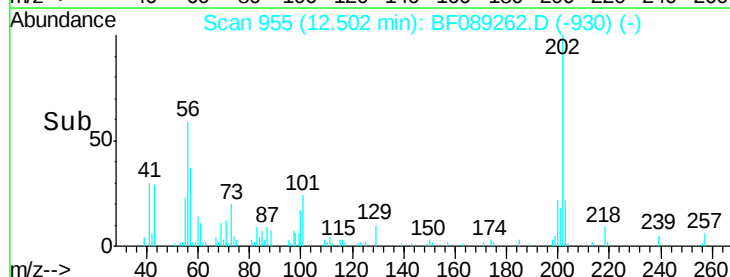
20000

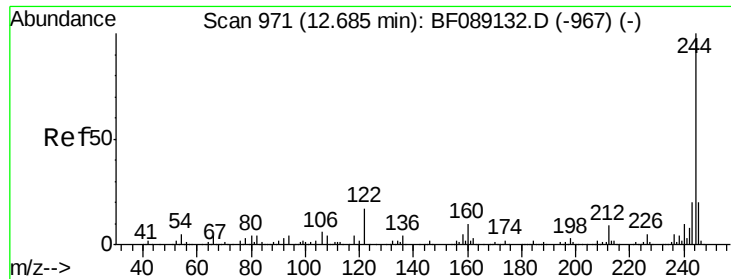
10000

0

12.45 12.50 12.55 12.60

Time-->





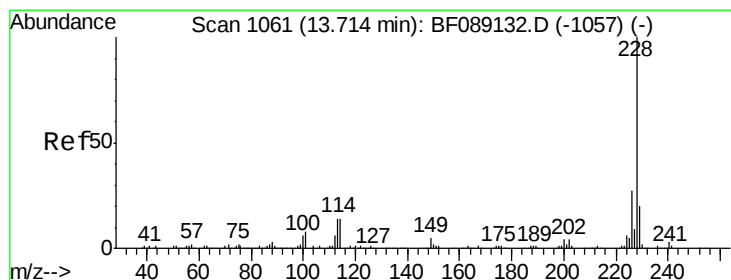
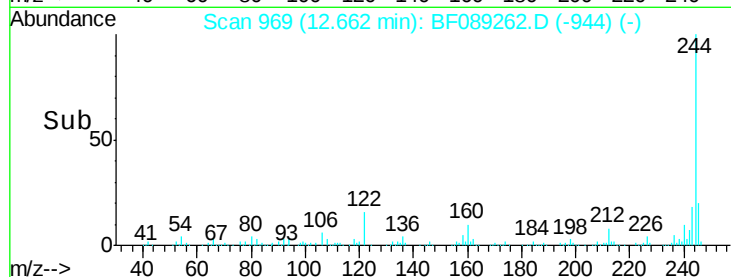
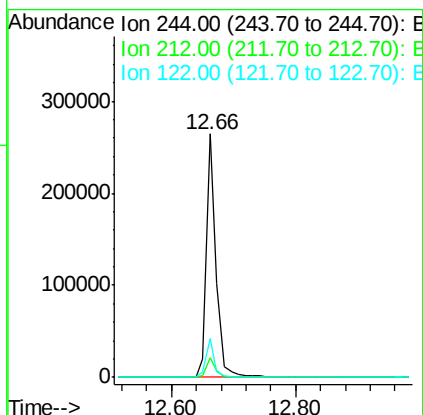
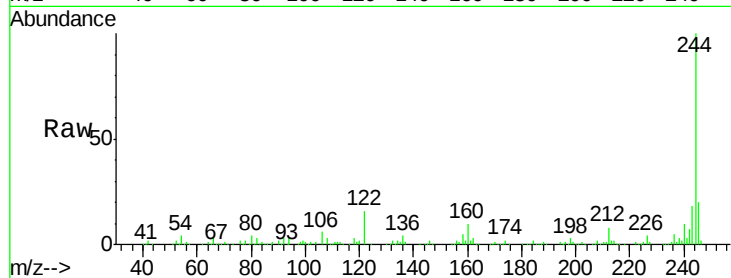
#78
 Terphenyl-d14
 Concen: 64.13 ng
 RT: 12.66 min Scan# 969
 Delta R.T. -0.01 min
 Lab File: BF089262.D
 Acq: 24 Jul 2016 6:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMP

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.0	10.4
122	15.7	13.8	20.8

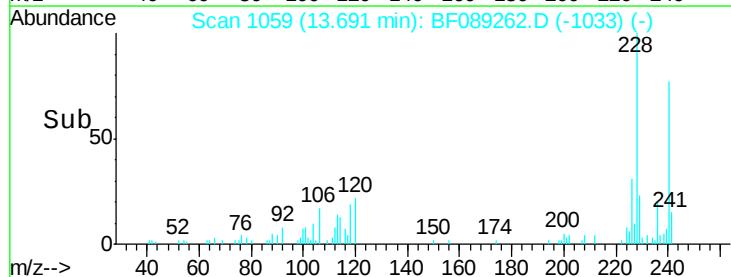
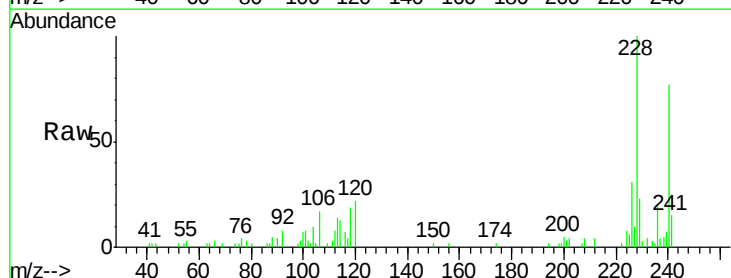
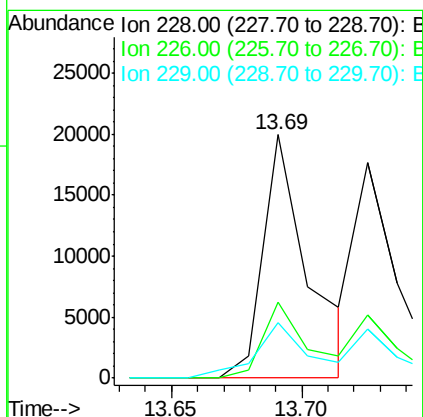
Manual Integrations

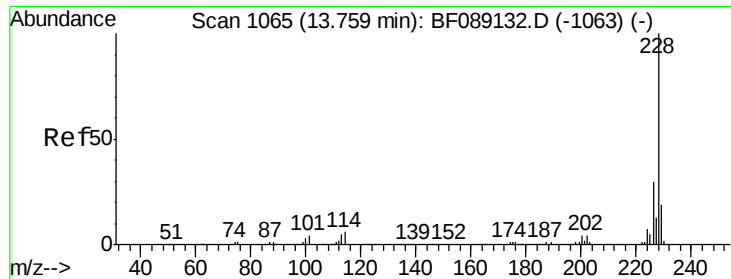
sohil
 7/25/2016 6:43:25 PM



#80
 Benzo(a)anthracene
 Concen: 3.89 ng
 RT: 13.69 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: BF089262.D
 Acq: 24 Jul 2016 6:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	21.8	32.8
229	23.0	15.8	23.8





#82

Chrysene

Concen: 3.43 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BF089262.D

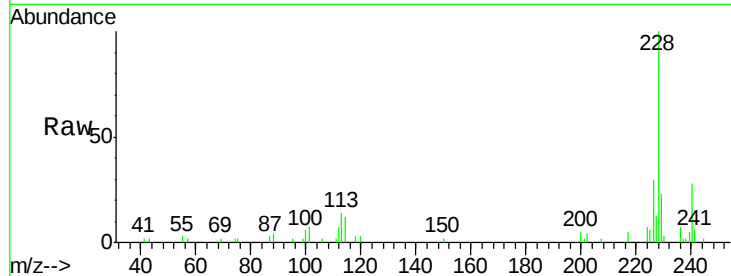
Acq: 24 Jul 2016 6:05

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

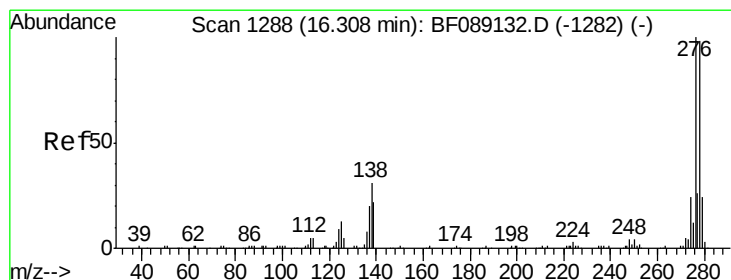
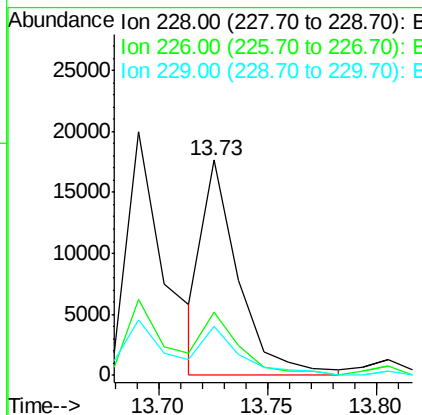
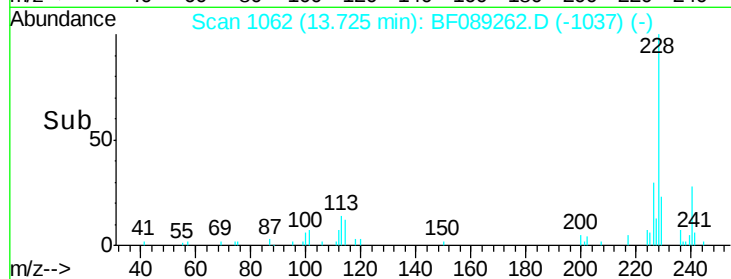


Tgt Ion:	228	Resp:	20214
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.8	35.8
229	22.6	15.4	23.0

Manual Integrations

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.49 ng

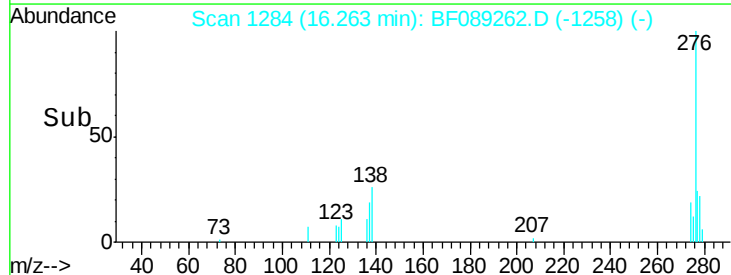
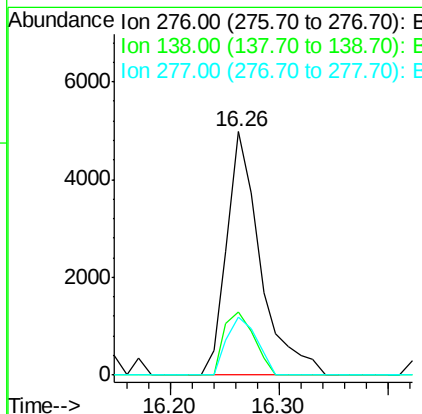
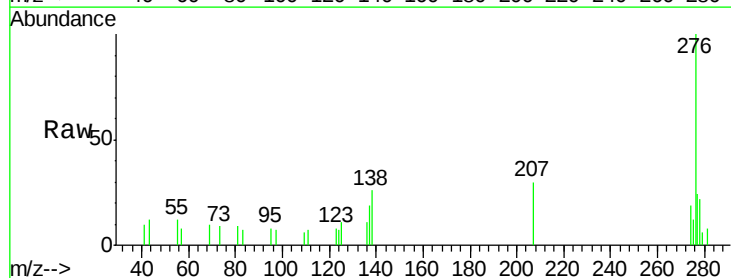
RT: 16.26 min Scan# 1284

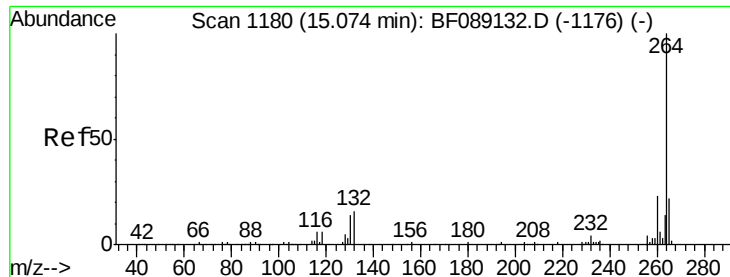
Delta R.T. 0.00 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

Tgt Ion:	276	Resp:	10658
Ion Ratio	Lower	Upper	
276	100		
138	23.3	23.7	35.5#
277	21.3	20.6	31.0





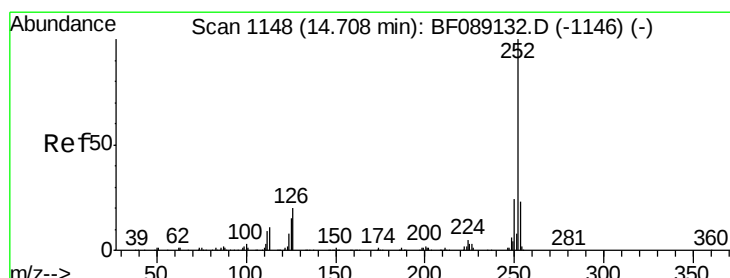
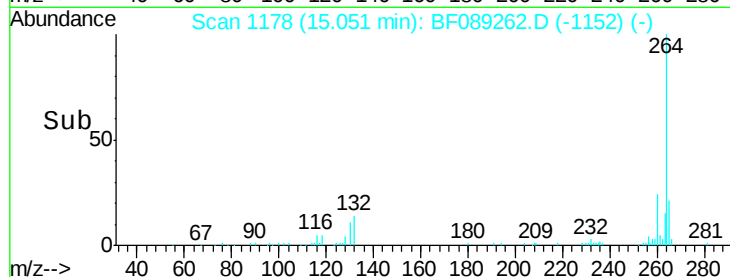
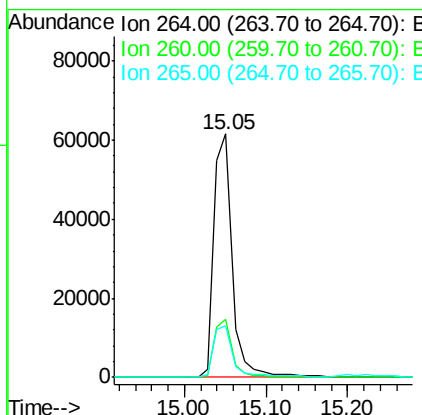
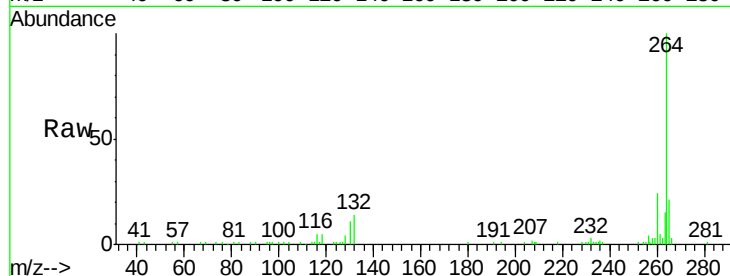
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF089262.D
Acq: 24 Jul 2016 6:05

Instrument :
BNA_F
ClientSampleId :
SB-07-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.5	27.7
265	21.3	17.3	25.9

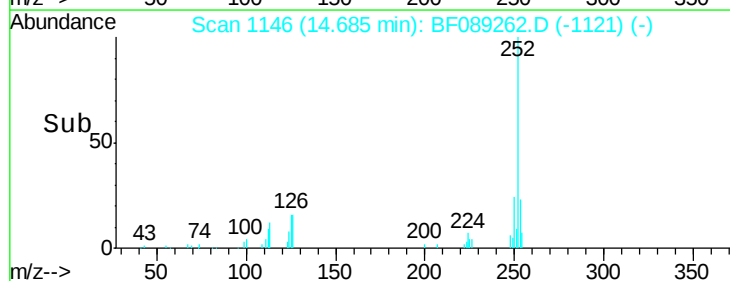
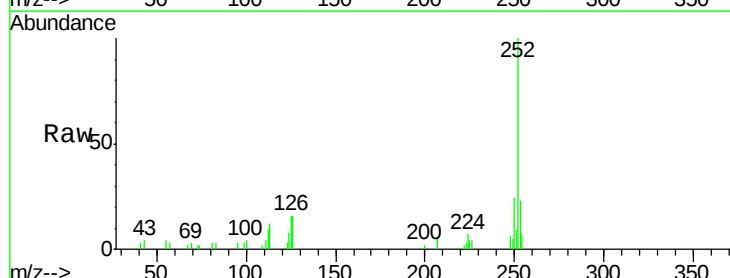
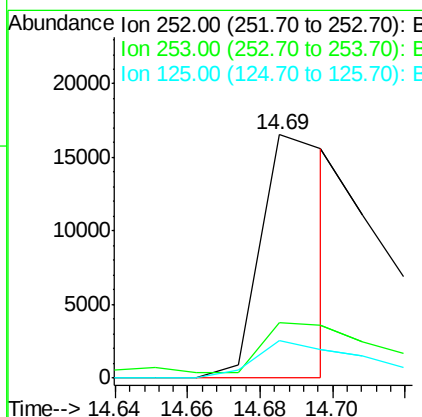
Manual Integrations

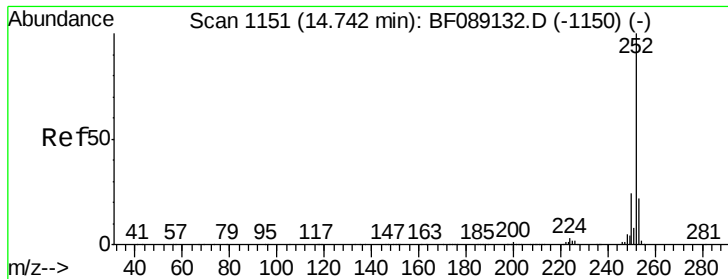
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#87
Benzo(b)fluoranthene
Concen: 3.22 ng m
RT: 14.69 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF089262.D
Acq: 24 Jul 2016 6:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	15.6	11.9	17.9





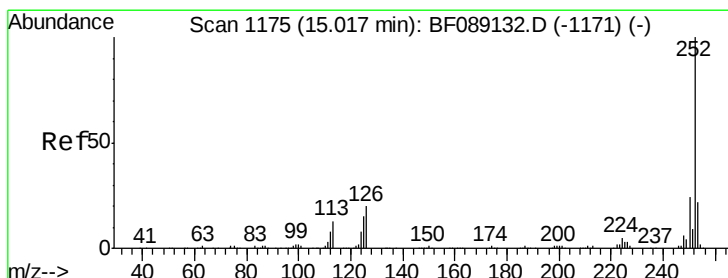
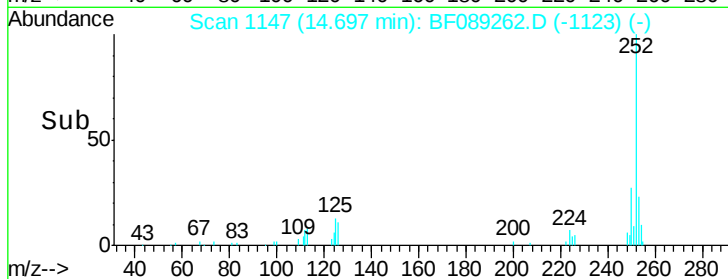
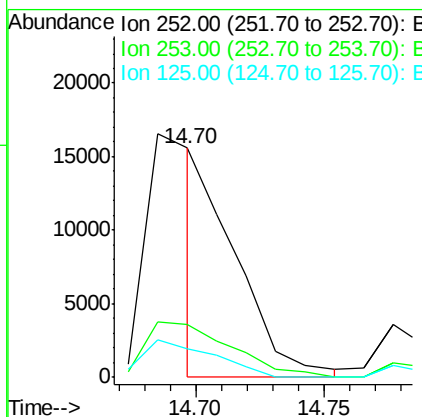
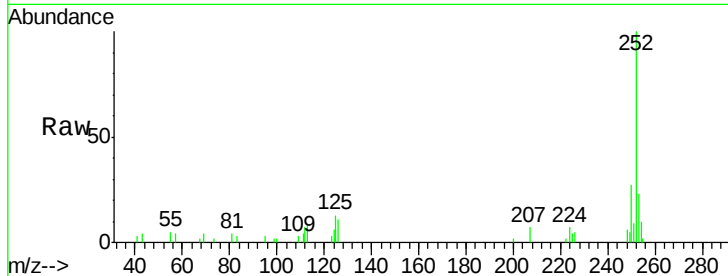
#88
Benzo(k)fluoranthene
Concen: 2.88 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BF089262.D
Acq: 24 Jul 2016 6:05

Instrument :
BNA_F
ClientSampleId :
SB-07-COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	12.7	6.3	9.5

Manual Integrations

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#89
Benzo(a)pyrene
Concen: 3.20 ng
RT: 14.99 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF089262.D
Acq: 24 Jul 2016 6:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.4	26.0
125	14.8	12.4	18.6

