

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089258.D
 Acq On : 24 Jul 2016 4:04
 Operator : UM/SJ
 Sample : H4151-02
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

Manual Integrations

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 7/25/2016 6:43:17 PM

Quant Time: Jul 25 05:08:14 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	50485	20.00	ng	0.00
21) Naphthalene-d8	7.86	136	219675	20.00	ng	-0.01
38) Acenaphthene-d10	9.61	164	96706	20.00	ng	0.00
63) Phenanthrene-d10	11.09	188	162384	20.00	ng	0.00
75) Chrysene-d12	13.70	240	95690	20.00	ng	-0.01
86) Perylene-d12	15.05	264	91641	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	485917	146.38	ng	0.01
7) Phenol-d6	6.24	99	626901	146.45	ng	0.00
23) Nitrobenzene-d5	7.15	82	428257	103.58	ng	0.00
41) 2,4,6-Tribromophenol	10.40	330	113280	130.11	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	712989	101.58	ng	0.00
78) Terphenyl-d14	12.66	244	387607	87.86	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.34	163	117917	15.89	ng	# 98
74) Fluoranthene	12.29	202	26915	2.87	ng	97
77) Pyrene	12.51	202	29170	3.69	ng	99
80) Benzo(a)anthracene	13.69	228	17292	2.84	ng	# 88
82) Chrysene	13.73	228	12614m	2.17	ng	
87) Benzo(b)fluoranthene	14.70	252	13839m	2.08	ng	
89) Benzo(a)pyrene	14.99	252	16242	3.15	ng	96

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

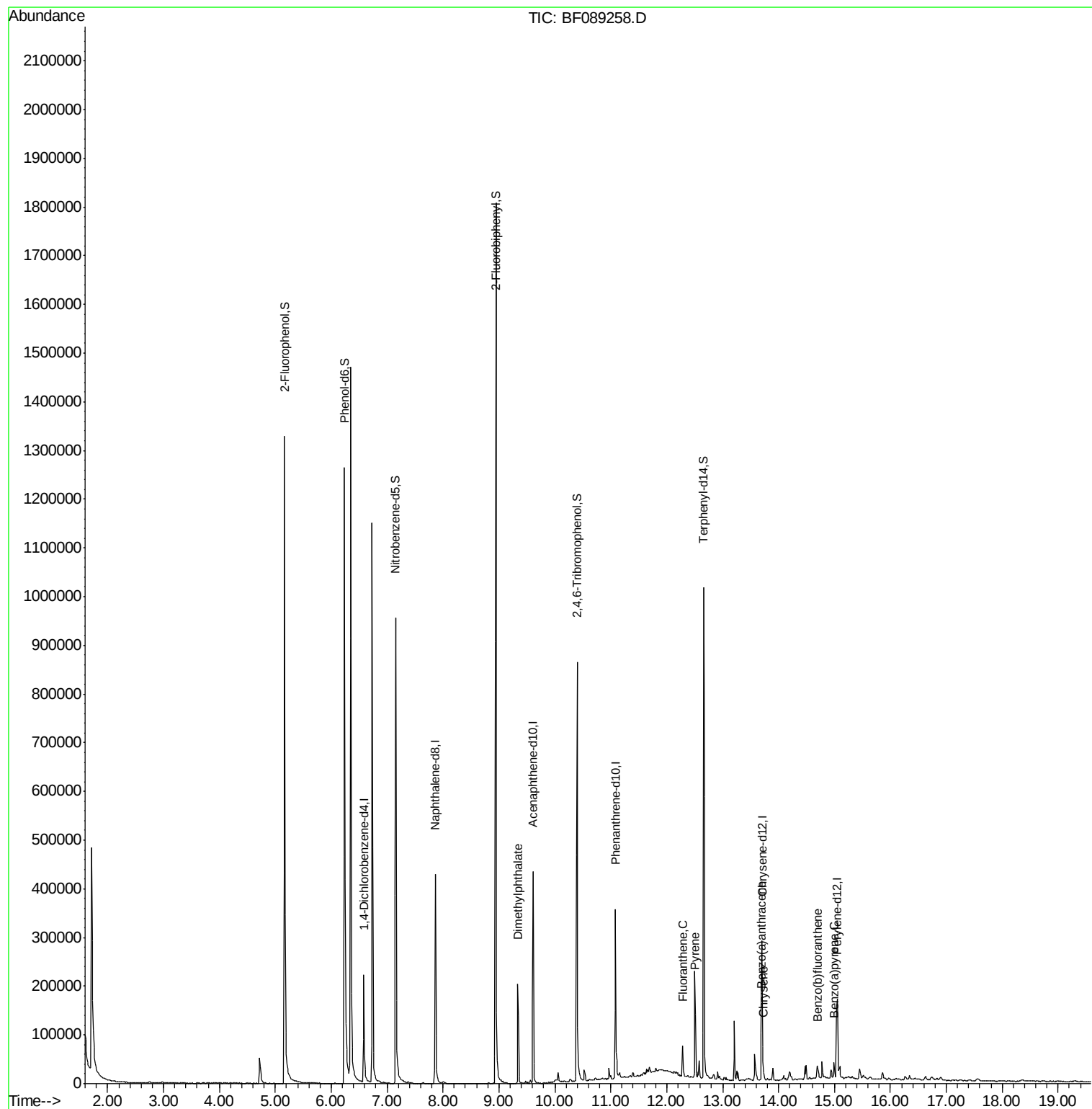
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
Data File : BF089258.D
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#1

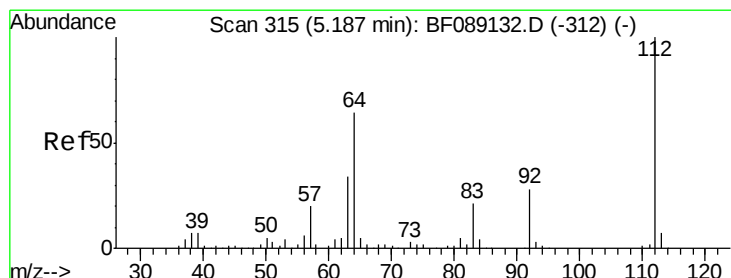
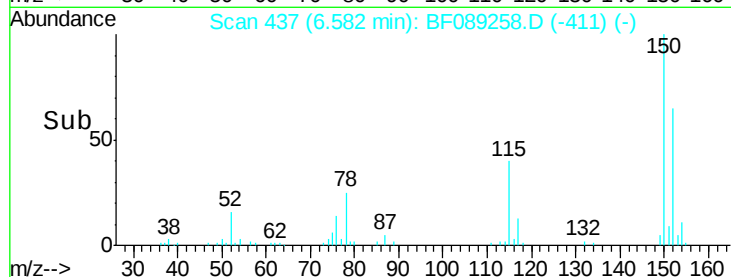
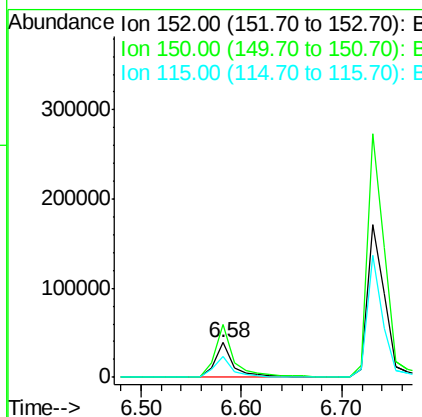
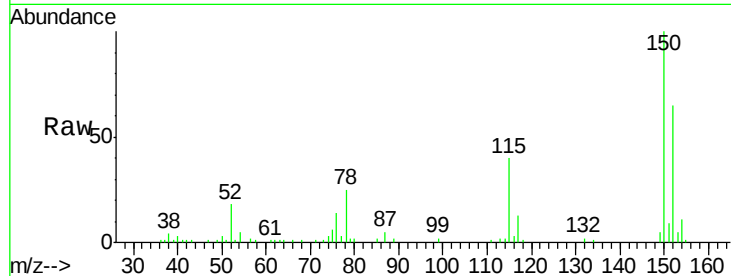
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 437
Delta R.T. 0.00 min
Lab File: BF089258.D
Acq: 24 Jul 2016 4:04

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.1	187.7
115	60.8	51.1	76.7

Manual Integrations

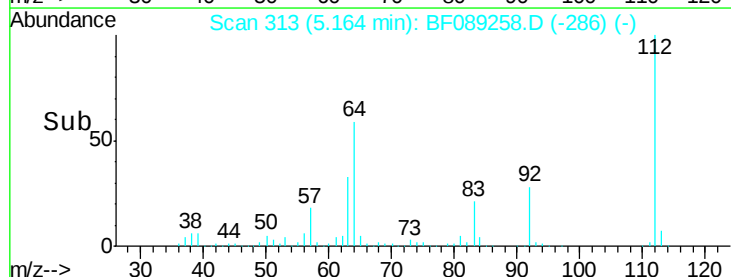
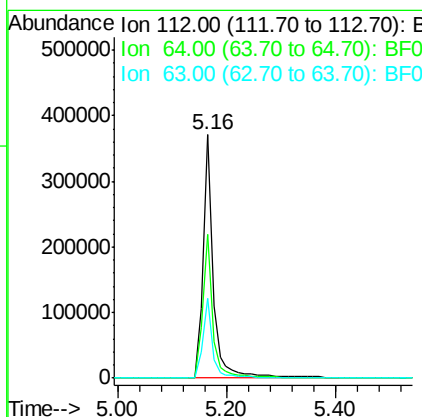
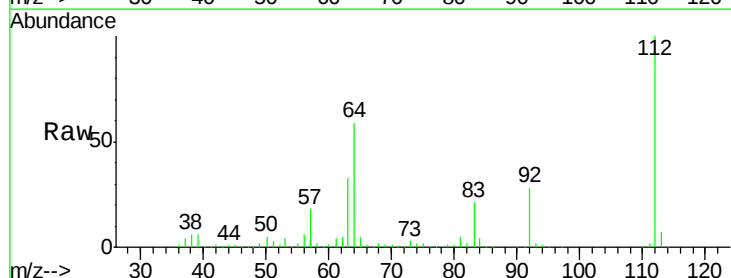
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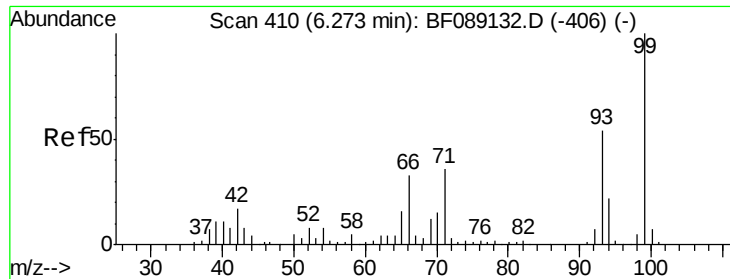


#5

2-Fluorophenol
Concen: 146.38 ng
RT: 5.16 min Scan# 313
Delta R.T. 0.01 min
Lab File: BF089258.D
Acq: 24 Jul 2016 4:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	51.0	76.4
63	32.5	27.3	40.9





#7

Phenol-d6

Concen: 146.45 ng

RT: 6.24 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF089258.D

Acq: 24 Jul 2016 4:04

Instrument :

BNA_F

ClientSampleId :

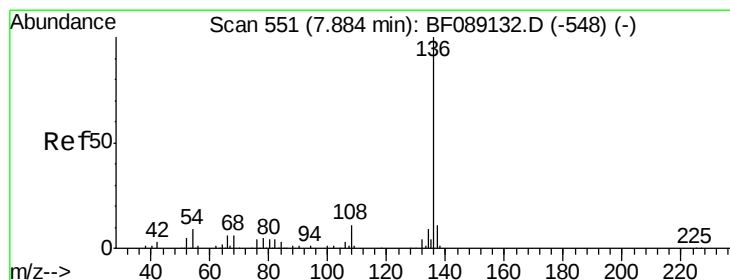
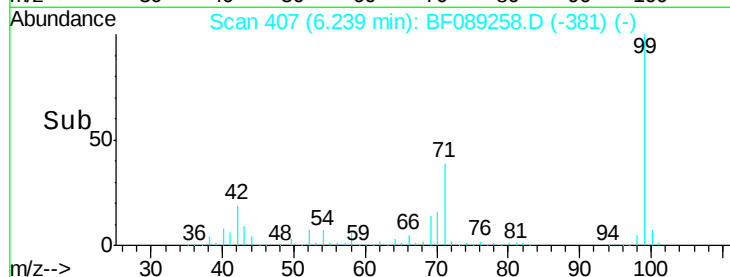
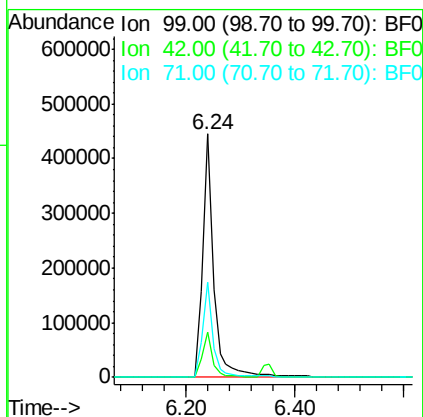
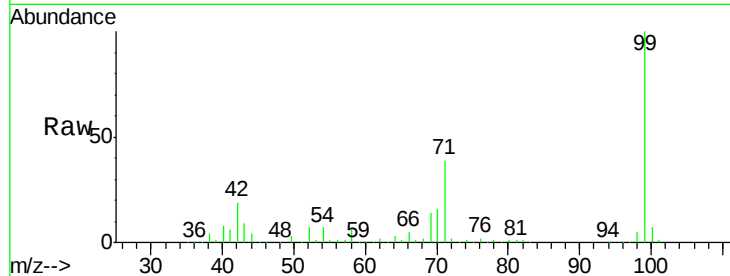
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Tgt Ion:	99	Resp:	626901
Ion Ratio	Lower	Upper	
99	100		
42	18.7	13.5	20.3
71	39.0	28.9	43.3

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.00 ng

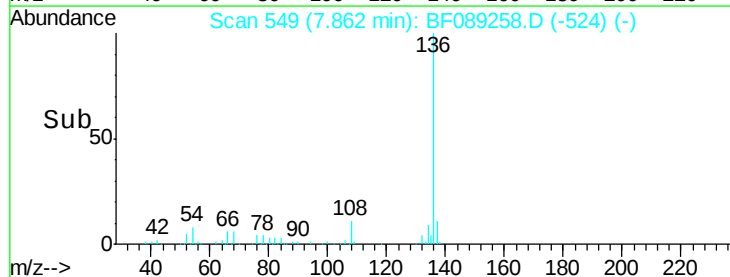
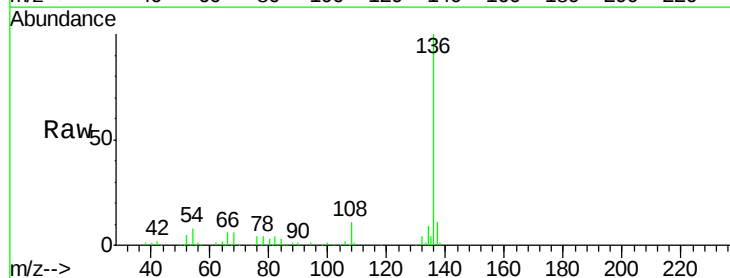
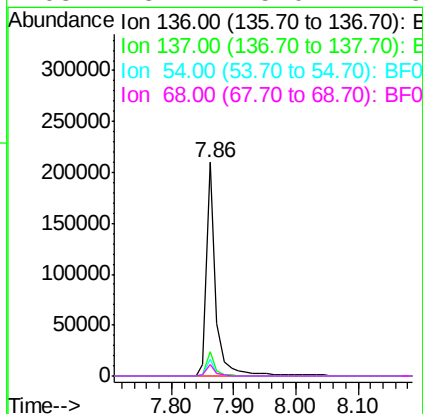
RT: 7.86 min Scan# 549

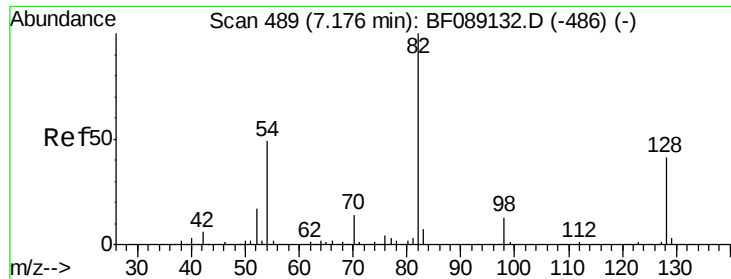
Delta R.T. -0.01 min

Lab File: BF089258.D

Acq: 24 Jul 2016 4:04

Tgt Ion:	136	Resp:	219675
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	7.7	7.0	10.4
68	5.7	5.0	7.6





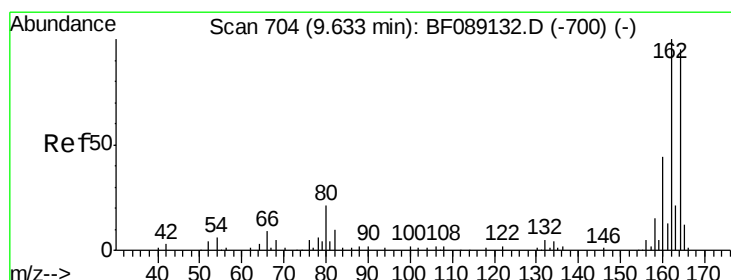
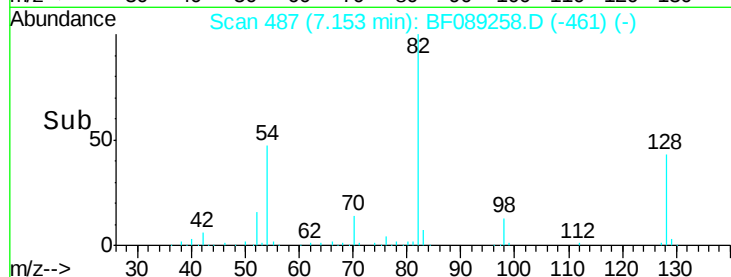
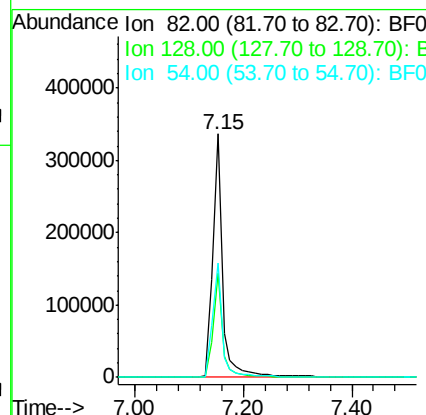
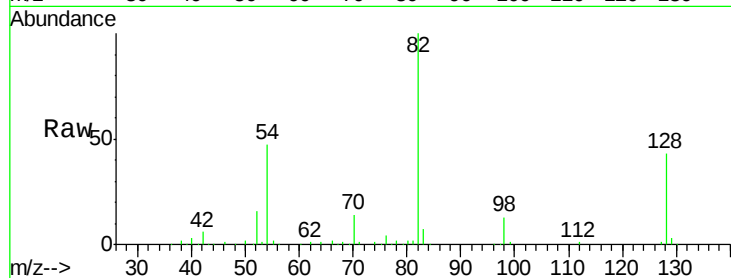
#23
 Nitrobenzene-d5
 Concen: 103.58 ng
 RT: 7.15 min Scan# 487
 Delta R.T. 0.00 min
 Lab File: BF089258.D
 Acq: 24 Jul 2016 4:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.0	49.6
54	47.1	39.0	58.4

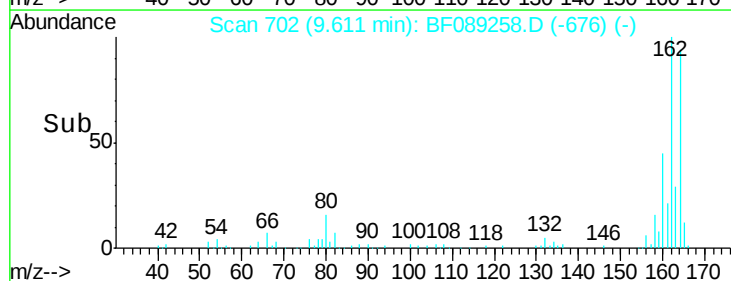
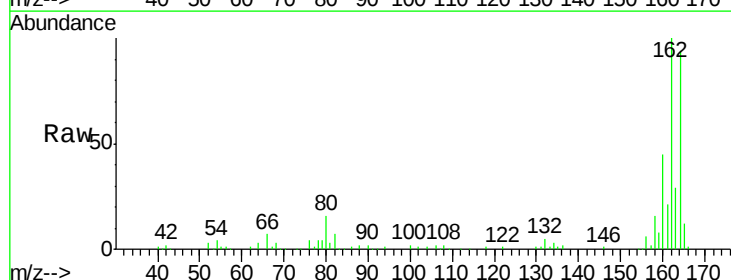
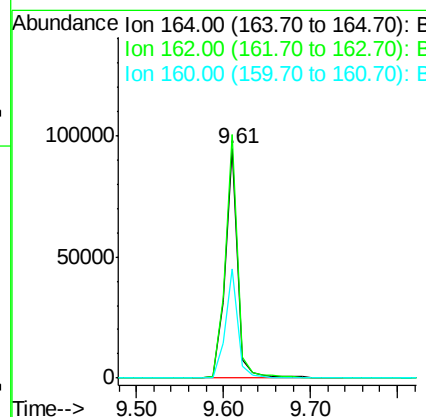
Manual Integrations

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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: BF089258.D
 Acq: 24 Jul 2016 4:04

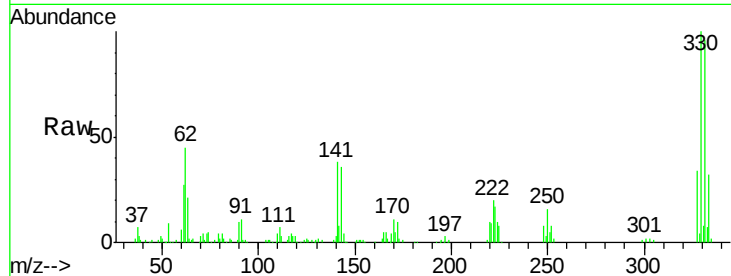
Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	84.1	126.1
160	47.7	37.1	55.7





#41
 2,4,6-Tribromophenol
 Concen: 130.11 ng
 RT: 10.40 min Scan# 771
 Delta R.T. 0.00 min
 Lab File: BF089258.D
 Acq: 24 Jul 2016 4:04

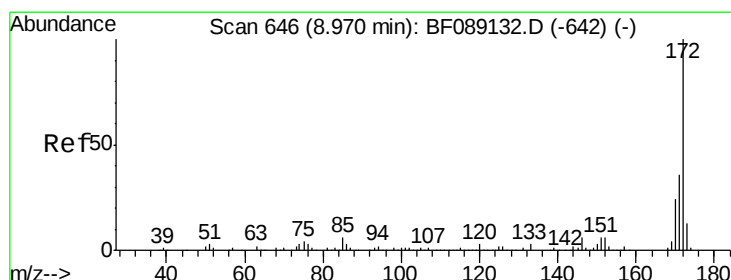
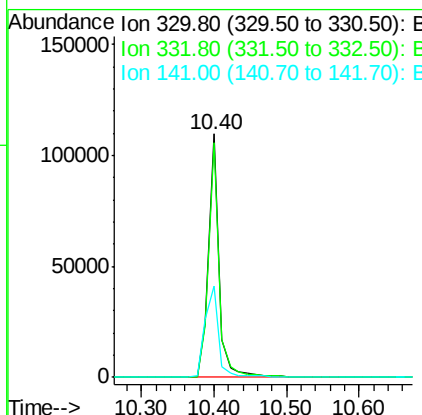
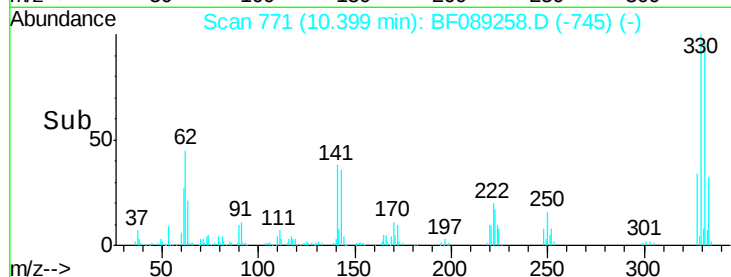
Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP



Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.2	115.8
141	47.3	42.2	63.2

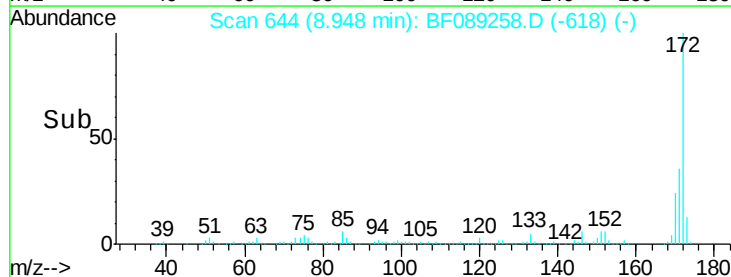
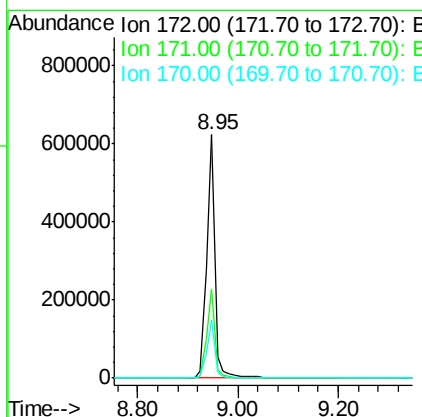
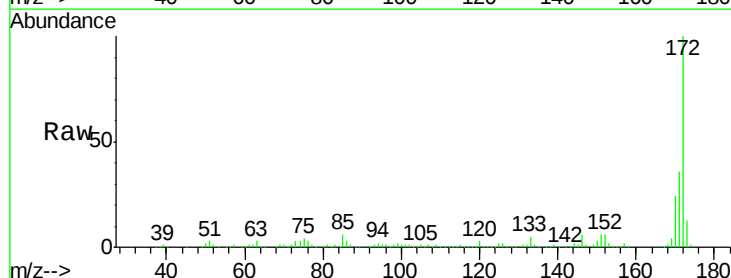
Manual Integrations

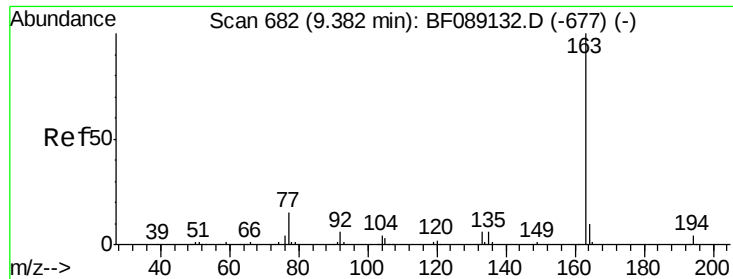
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#44
 2-Fluorobiphenyl
 Concen: 101.58 ng
 RT: 8.95 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: BF089258.D
 Acq: 24 Jul 2016 4:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	23.7	19.1	28.7





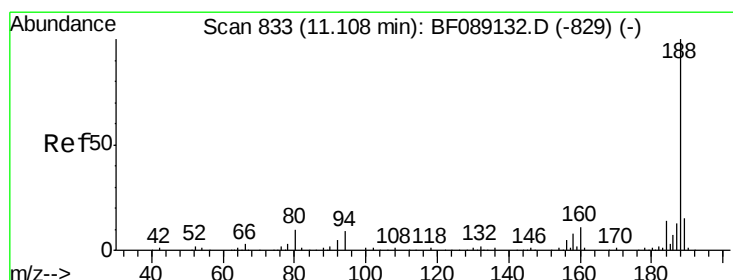
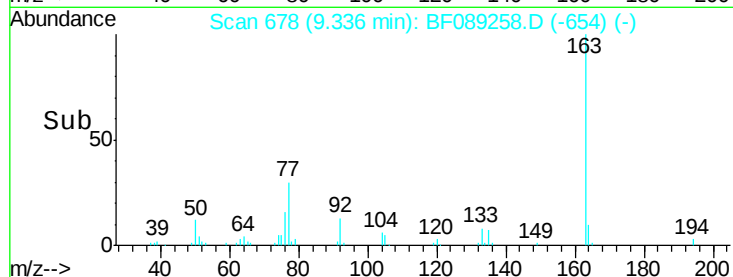
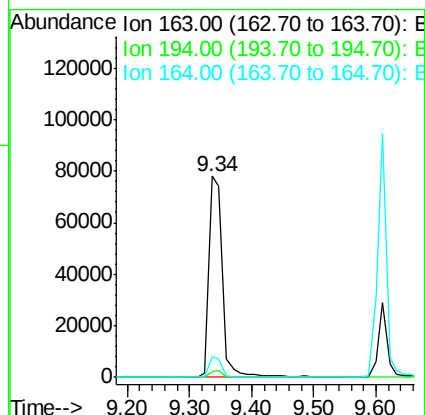
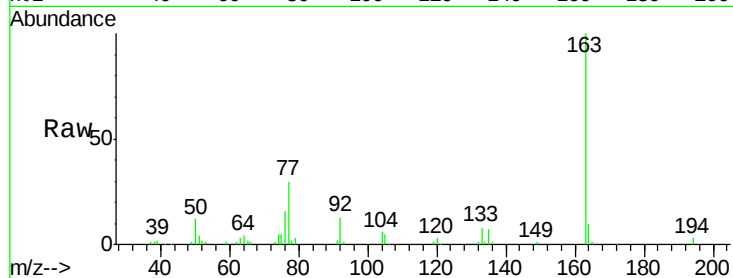
#49
Dimethylphthalate
Concen: 15.89 ng
RT: 9.34 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF089258.D
Acq: 24 Jul 2016 4:04

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Tgt Ion:163 Resp: 117917
Ion Ratio Lower Upper
163 100
194 2.7 2.9 4.3#
164 10.3 7.6 11.4

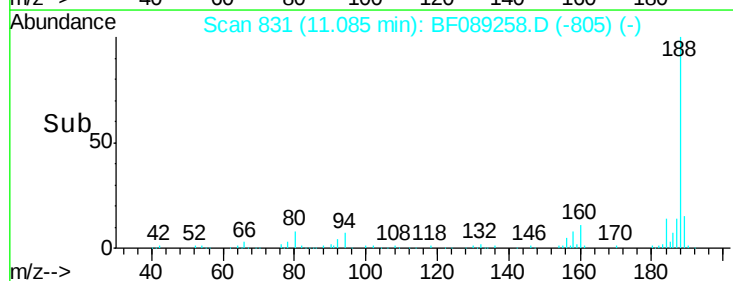
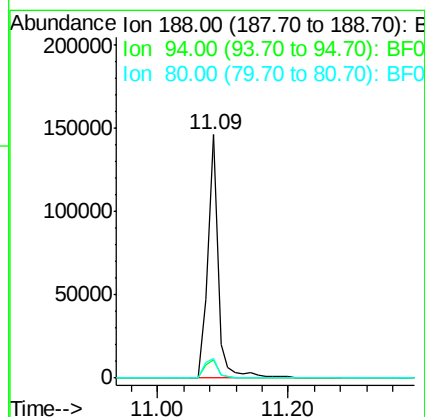
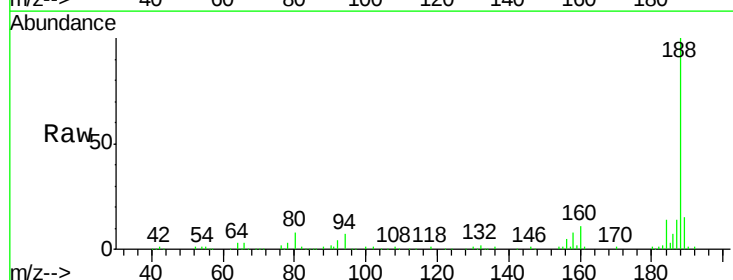
Manual Integrations

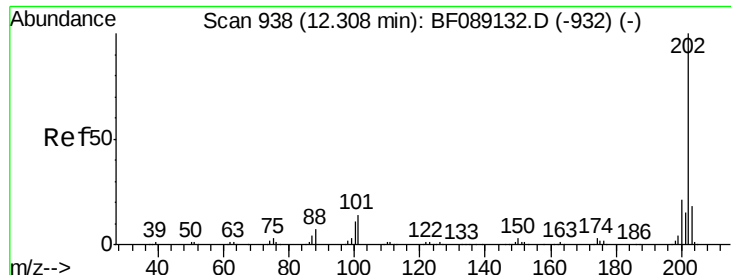
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF089258.D
Acq: 24 Jul 2016 4:04

Tgt Ion:188 Resp: 162384
Ion Ratio Lower Upper
188 100
94 7.4 7.0 10.4
80 8.1 7.7 11.5





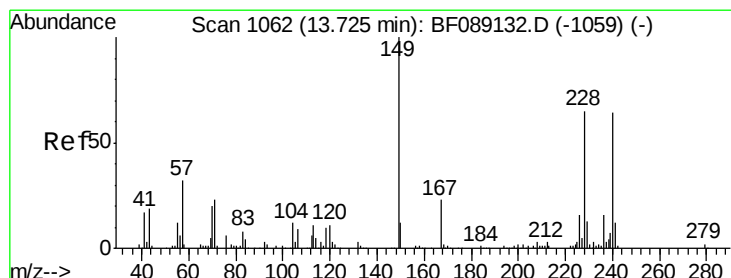
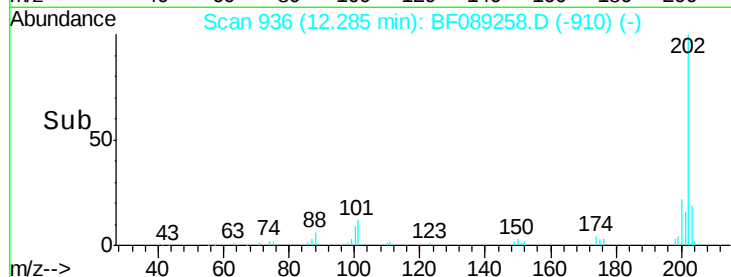
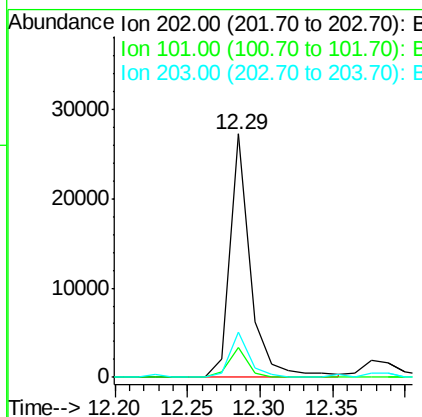
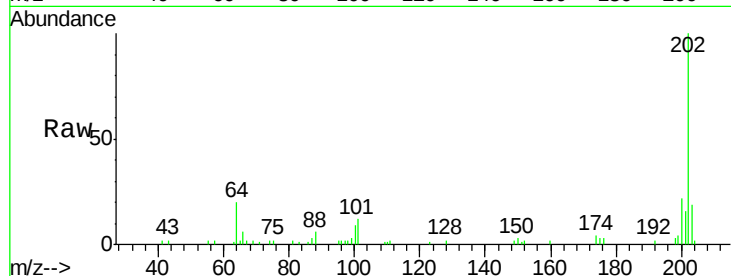
#74
Fluoranthene
 Concen: 2.87 ng
 RT: 12.29 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: BF089258.D
 Acq: 24 Jul 2016 4:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	26915		
101	12.2	0.0	34.0	
203	18.6	0.0	37.8	

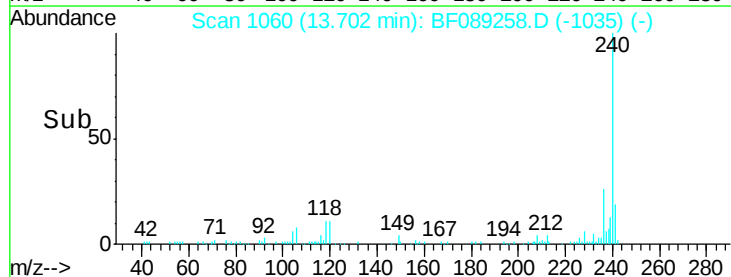
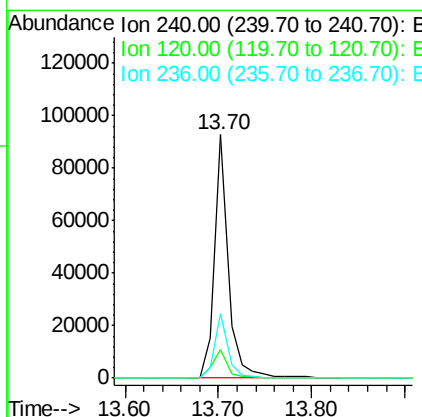
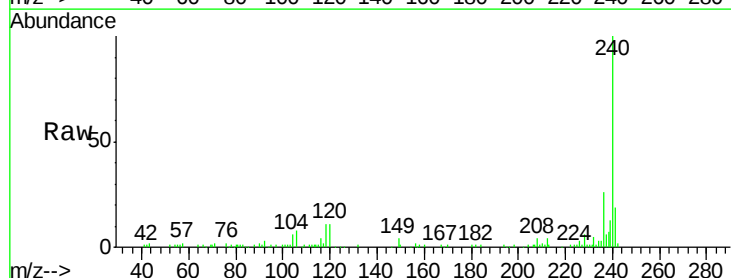
Manual Integrations

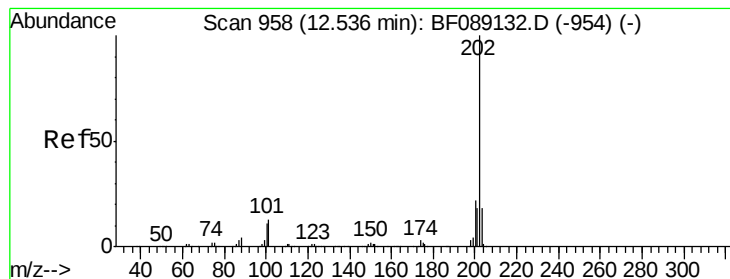
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#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: BF089258.D
 Acq: 24 Jul 2016 4:04

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	95690		
120	11.5	13.6	20.4#	
236	26.4	20.5	30.7	





#77

Pyrene

Concen: 3.69 ng

RT: 12.51 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF089258.D

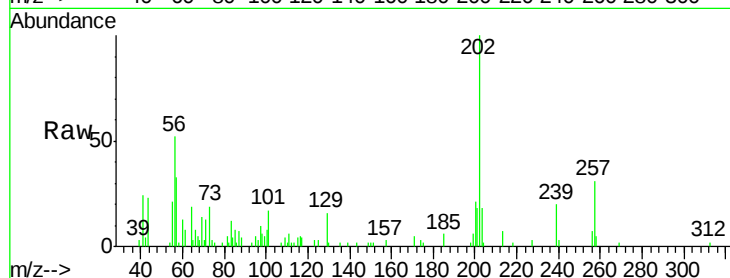
Acq: 24 Jul 2016 4:04

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP



Tgt Ion:202 Resp: 29170

Ion Ratio Lower Upper

202 100

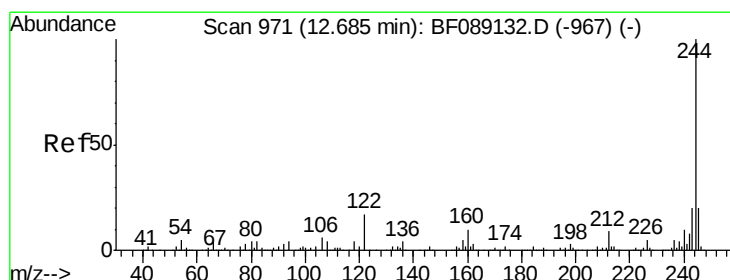
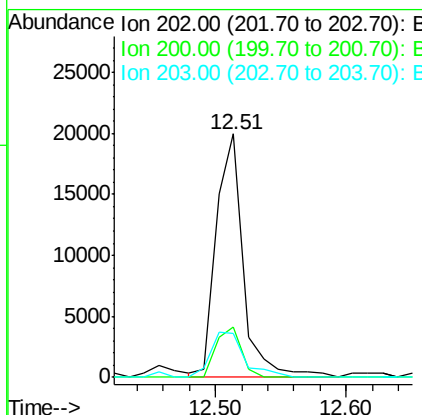
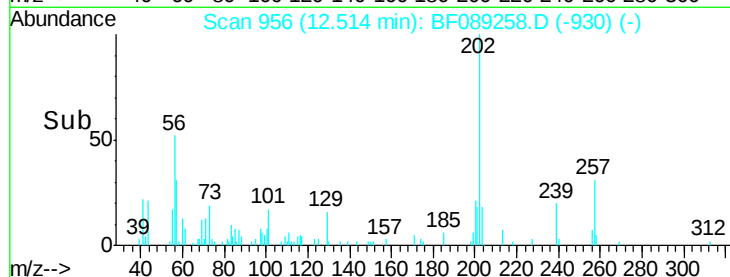
200 20.9 17.4 26.0

203 18.1 14.2 21.2

Manual Integrations

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#78

Terphenyl-d14

Concen: 87.86 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF089258.D

Acq: 24 Jul 2016 4:04

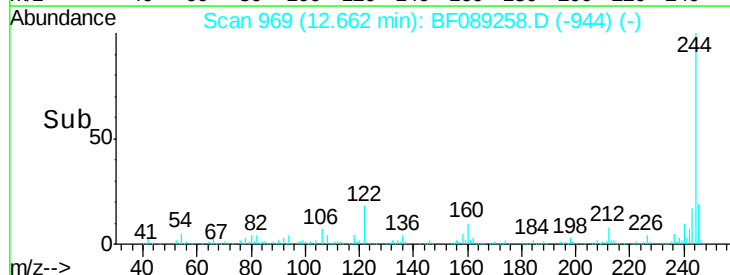
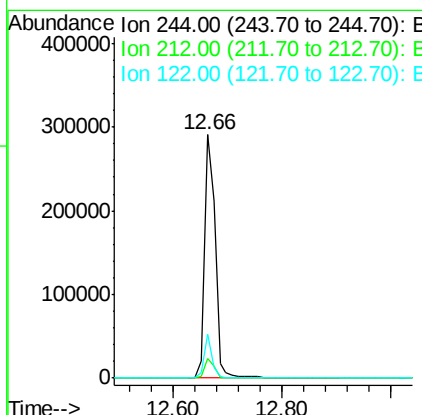
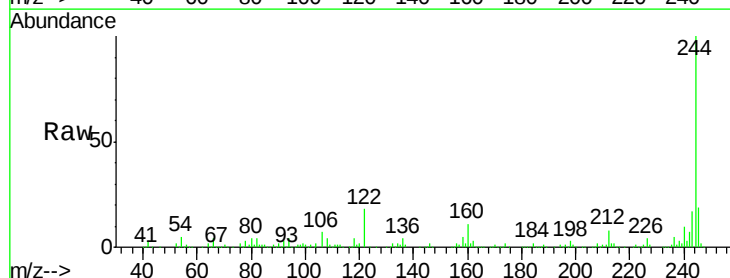
Tgt Ion:244 Resp: 387607

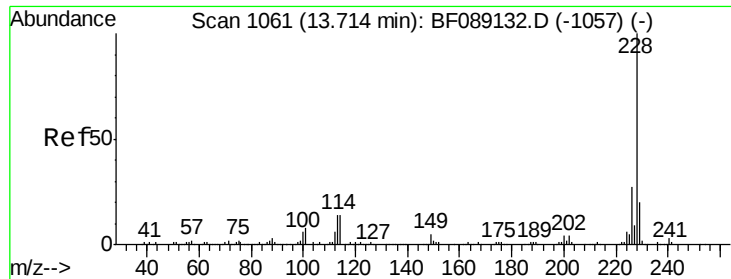
Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.4

122 17.9 13.8 20.8





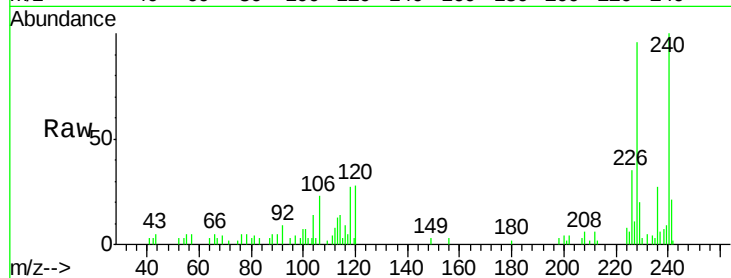
#80
Benzo(a)anthracene
Concen: 2.84 ng
RT: 13.69 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BF089258.D
Acq: 24 Jul 2016 4:04

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

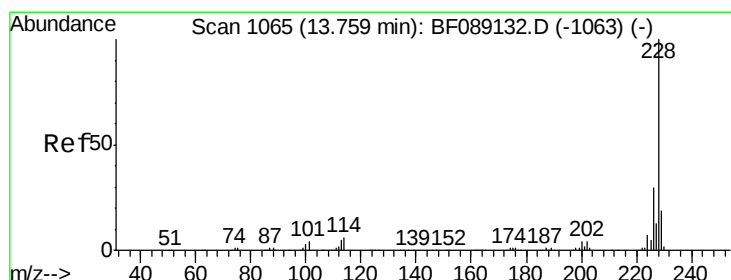
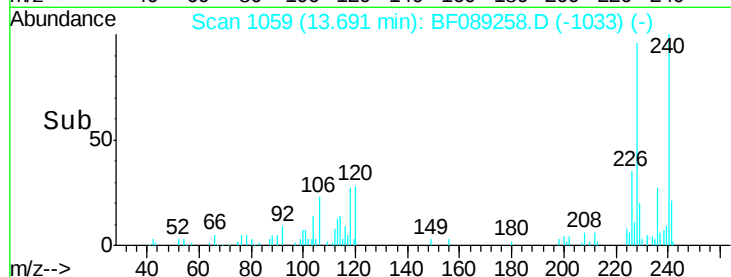
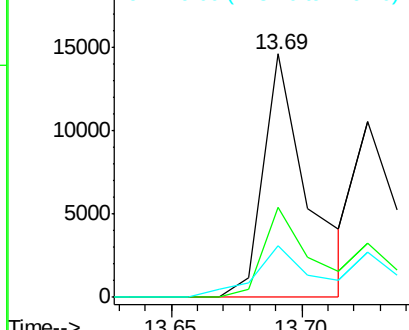
Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.8	21.8	32.8#
229	21.0	15.8	23.8

Manual Integrations

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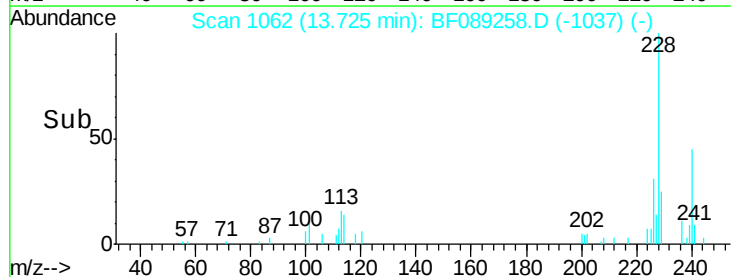
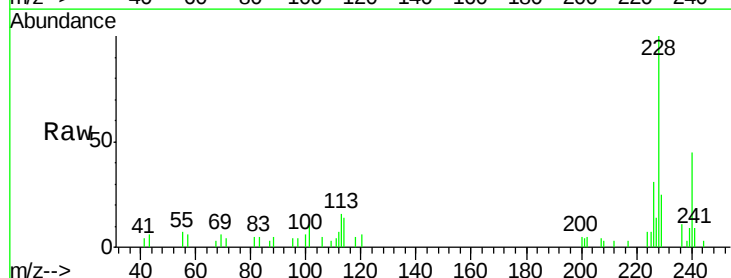
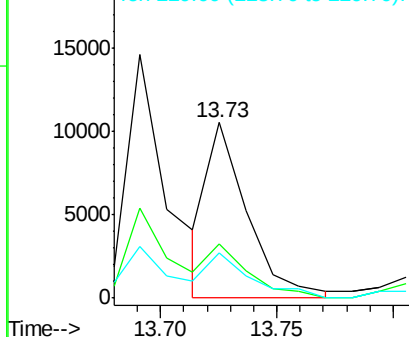
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

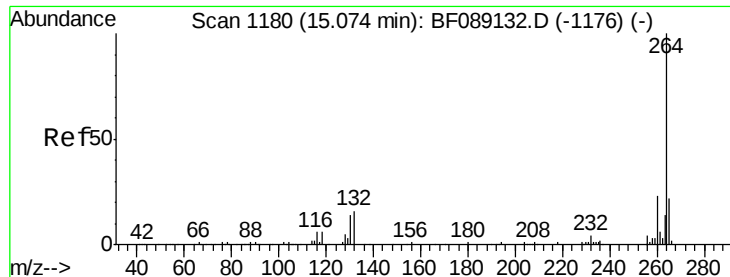


#82
Chrysene
Concen: 2.17 ng m
RT: 13.73 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BF089258.D
Acq: 24 Jul 2016 4:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.8	35.8
229	25.4	15.4	23.0#

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





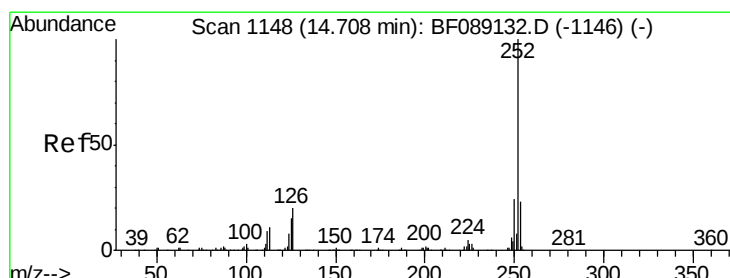
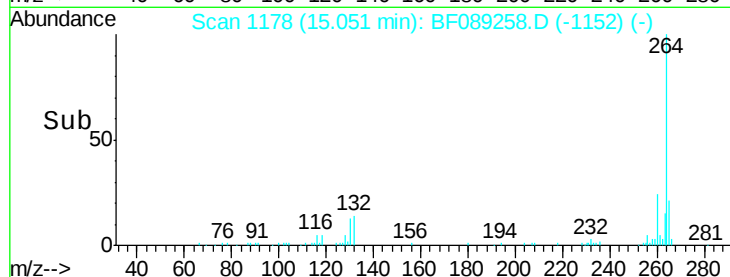
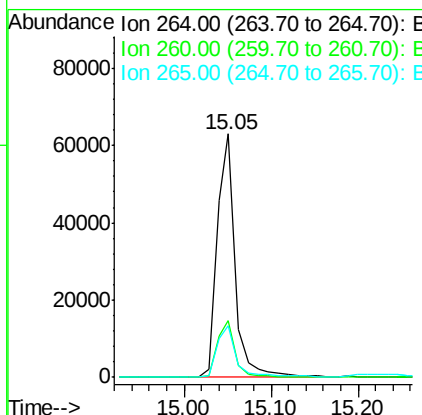
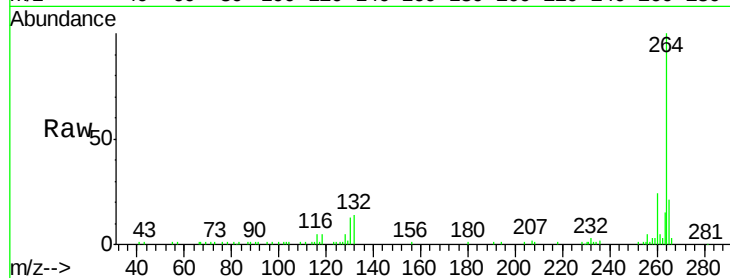
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF089258.D
Acq: 24 Jul 2016 4:04

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	21.3	17.3	25.9

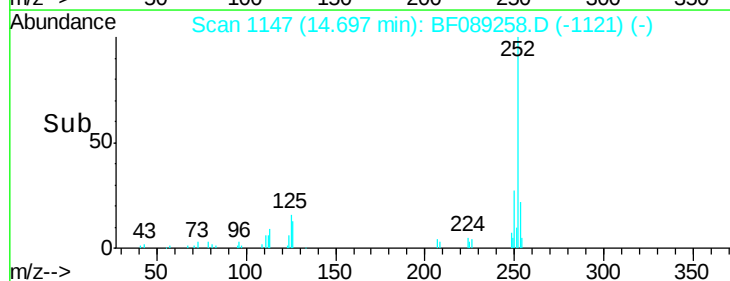
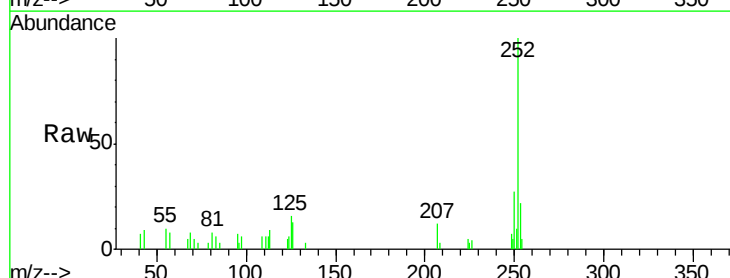
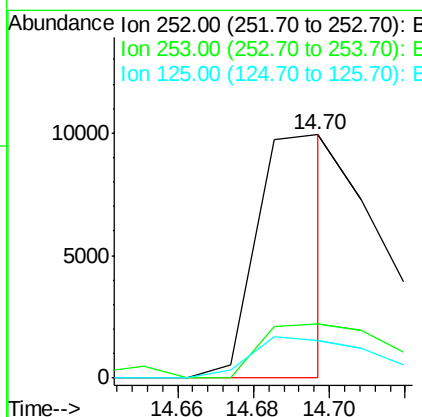
Manual Integrations

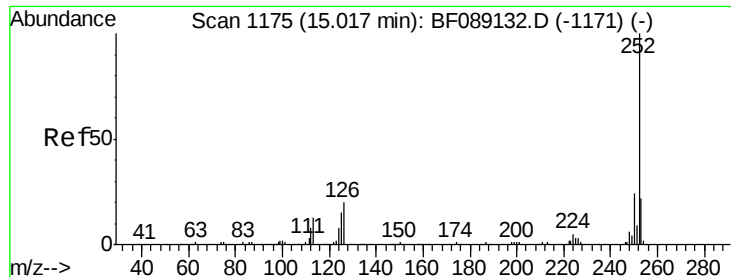
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#87
Benzo(b)fluoranthene
Concen: 2.08 ng m
RT: 14.70 min Scan# 1147
Delta R.T. 0.00 min
Lab File: BF089258.D
Acq: 24 Jul 2016 4:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	15.6	11.9	17.9





#89
Benzo(a)pyrene
Concen: 3.15 ng
RT: 14.99 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF089258.D
Acq: 24 Jul 2016 4:04

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	13.8	12.4	18.6

Manual Integrations

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