

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
 Data File : BF091882.D
 Acq On : 22 Dec 2016 13:30
 Operator : UM/SJ
 Sample : H6125-01DL 5X
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16DL

Manual Integrations
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 12/23/2016 5:51:34 PM

Quant Time: Dec 23 01:32:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	305762	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	962700	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	531255	20.00	ng	0.00
63) Phenanthrene-d10	11.28	188	963401	20.00	ng	0.01
75) Chrysene-d12	13.91	240	653670	20.00	ng	0.00
86) Perylene-d12	15.30	264	598489	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	627744	34.28	ng	0.05
7) Phenol-d6	6.45	99	929734	41.59	ng	0.05
23) Nitrobenzene-d5	7.32	82	654797	37.82	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	145369	33.06	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	735400	18.23	ng	0.00
78) Terphenyl-d14	12.85	244	654268	24.27	ng	0.00
Target Compounds						
31) Naphthalene	8.06	128	1083421	24.59	ng	# 95
37) 2-Methylnaphthalene	8.76	142	1732030	Below	Cal	99
49) Dimethylphthalate	9.52	163	114695	3.38	ng	# 73
51) Acenaphthene	9.82	154	105600	3.52	ng	# 90
57) Fluorene	10.34	166	176003	5.96	ng	# 95
70) Phenanthrene	11.30	178	1071339	20.51	ng	98
71) Anthracene	11.34	178	241591	3.49	ng	98
74) Fluoranthene	12.48	202	795571	14.79	ng	97
77) Pyrene	12.71	202	760868	15.86	ng	99
80) Benzo(a)anthracene	13.89	228	272558	7.39	ng	99
82) Chrysene	13.93	228	254442m	6.87	ng	
85) Indeno(1,2,3-cd)pyrene	16.64	276	101539	3.17	ng	95
87) Benzo(b)fluoranthene	14.91	252	260267m	6.98	ng	
88) Benzo(k)fluoranthene	14.93	252	79046m	2.49	ng	
89) Benzo(a)pyrene	15.24	252	191882	5.80	ng	98
91) Benzo(g,h,i)perylene	17.04	276	98329	3.48	ng	# 92

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

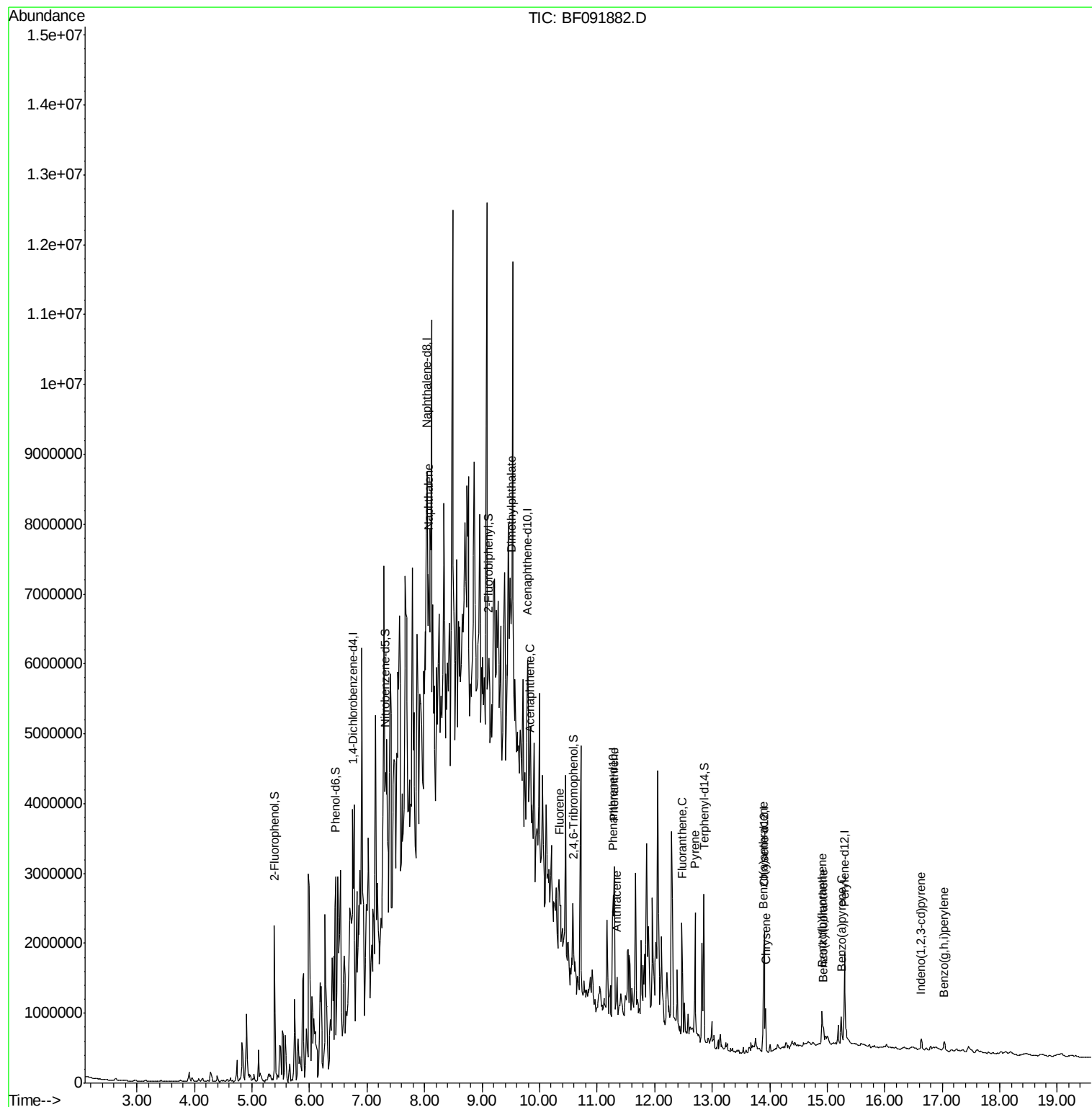
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
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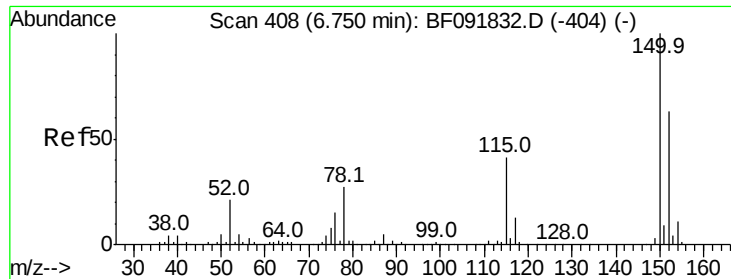
Instrument :
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SB-49(11-13)-12-14-16DL

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Quant Time: Dec 23 01:32:21 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF091882.D

Acq: 22 Dec 2016 13:30

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16DL

Tot Ion:152 Resp: 305762

Ion Ratio Lower Upper

152 100

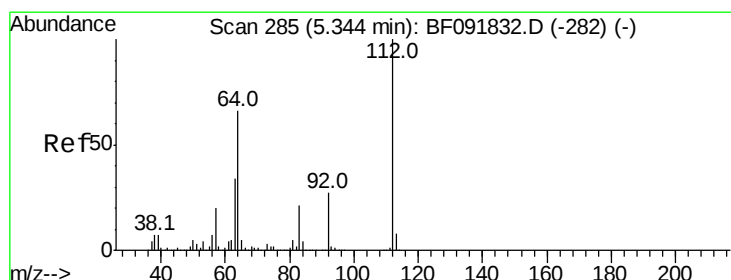
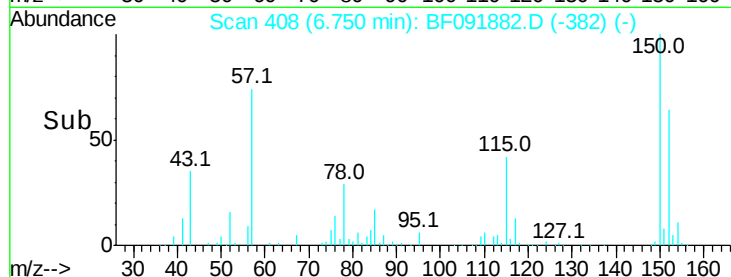
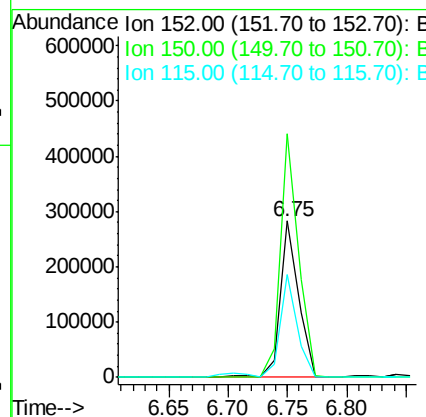
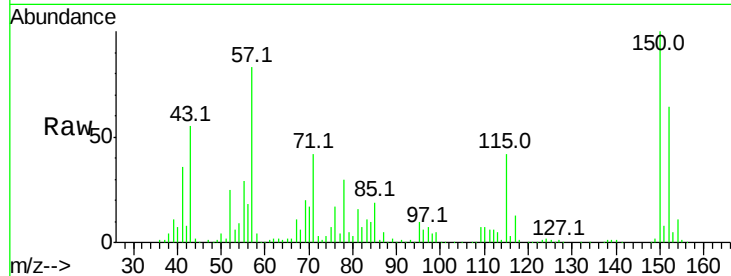
150 155.7 124.9 187.3

115 66.1 46.0 69.0

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#5

2-Fluorophenol

Concen: 34.28 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.05 min

Lab File: BF091882.D

Acq: 22 Dec 2016 13:30

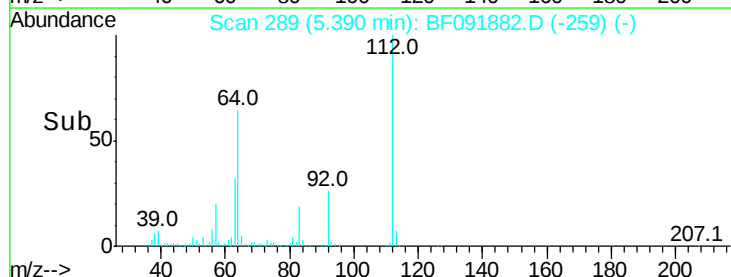
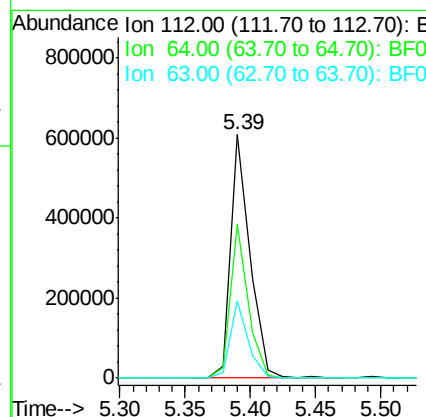
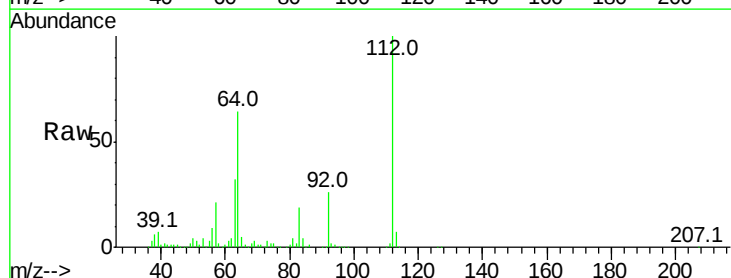
Tgt Ion:112 Resp: 627744

Ion Ratio Lower Upper

112 100

64 63.5 46.1 69.1

63 31.5 23.8 35.6





#7

Phenol-d6

Concen: 41.59 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.05 min

Lab File: BF091882.D

Acq: 22 Dec 2016 13:30

Instrument :

BNA_F

ClientSampleId :

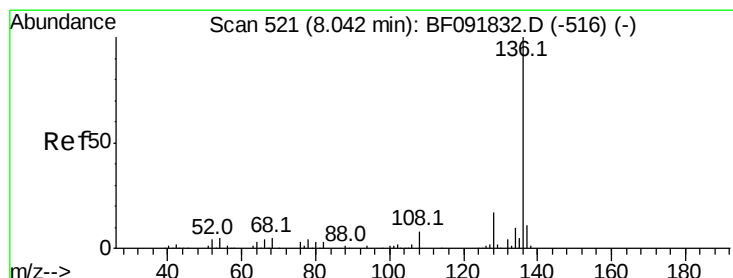
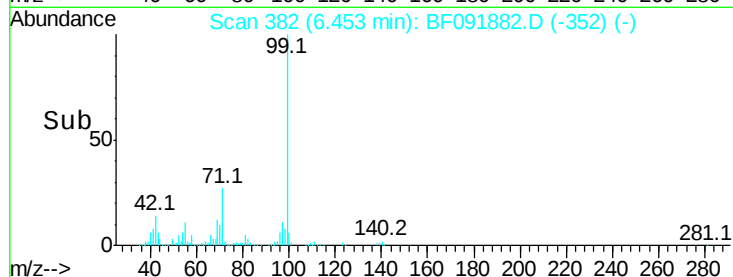
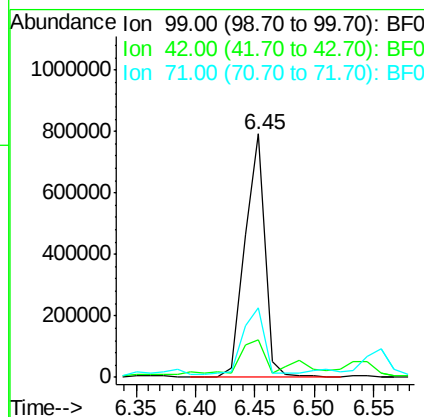
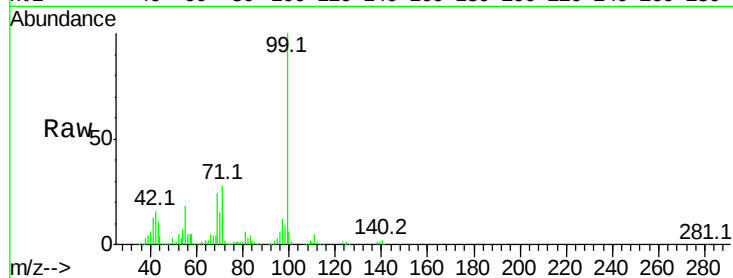
SB-49(11-13)-12-14-16DL

Tot Ion: 99 Resp: 929734
Ion Ratio Lower Upper

99	100		
42	15.5	15.6	23.4#
71	28.4	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

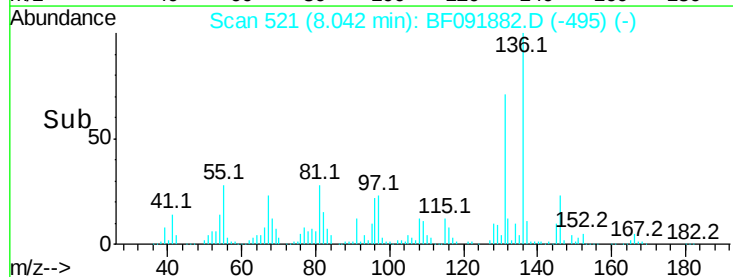
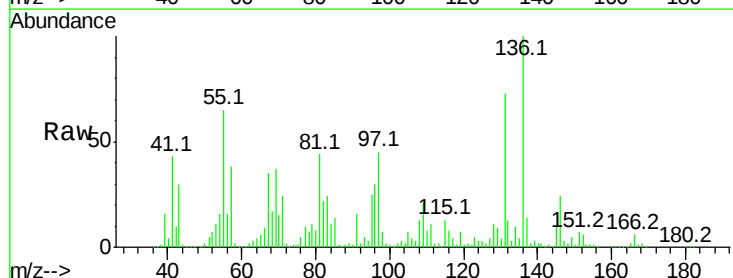
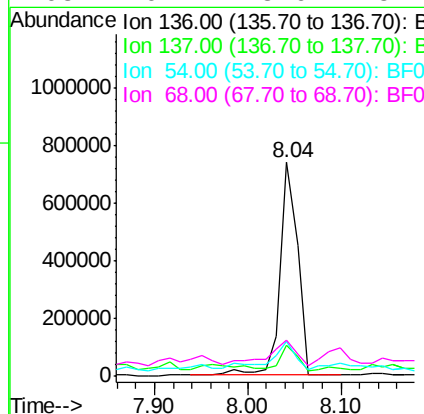
Delta R.T. 0.00 min

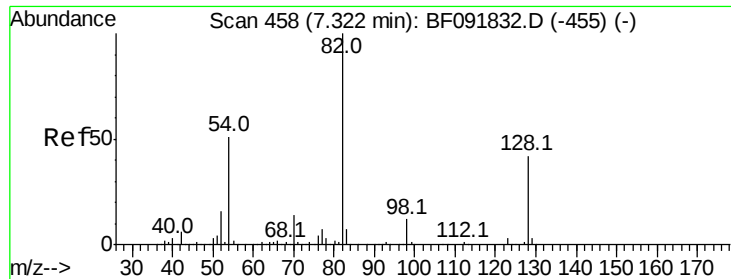
Lab File: BF091882.D

Acq: 22 Dec 2016 13:30

Tgt Ion: 136 Resp: 962700
Ion Ratio Lower Upper

136	100		
137	14.3	8.4	12.6#
54	16.1	4.5	6.7#
68	16.7	3.6	5.4#





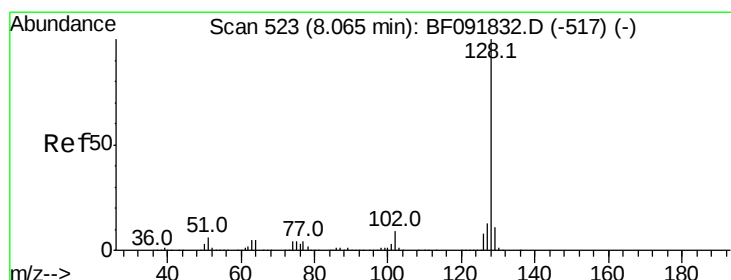
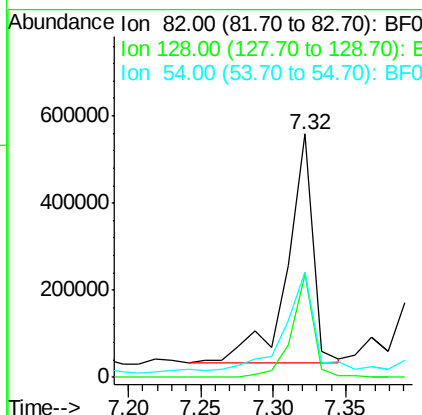
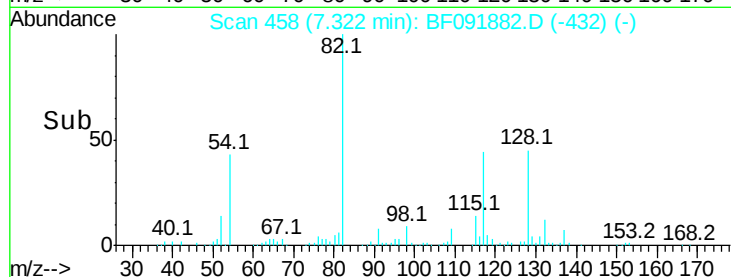
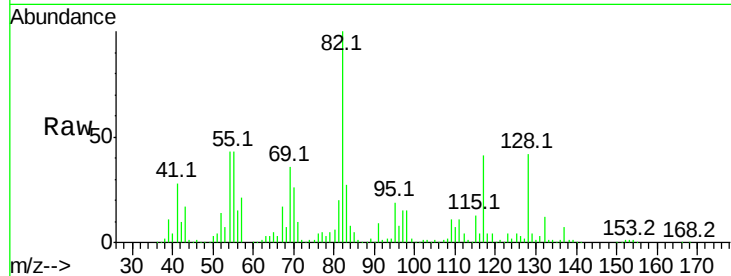
#23
 Nitrobenzene-d5
 Concen: 37.82 ng
 RT: 7.32 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: BF091882.D
 Acq: 22 Dec 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.6	52.0
54	43.2	39.5	59.3

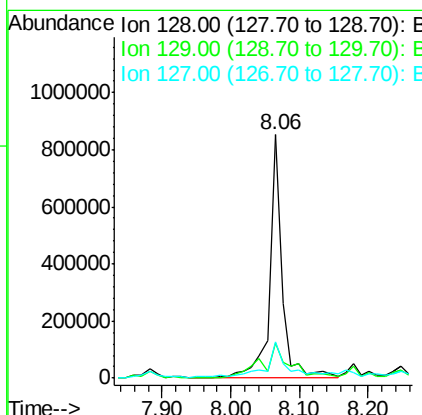
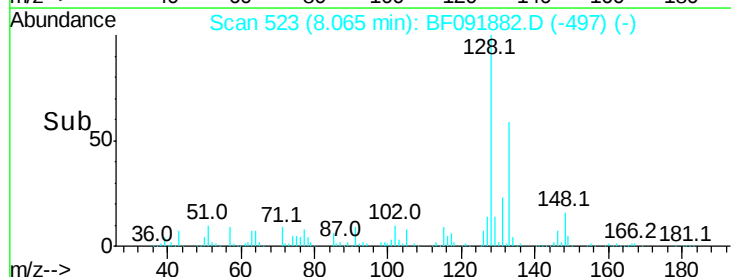
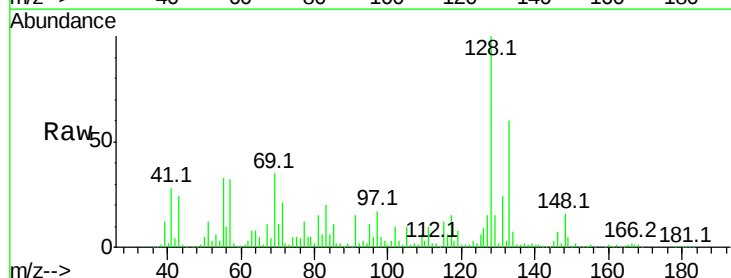
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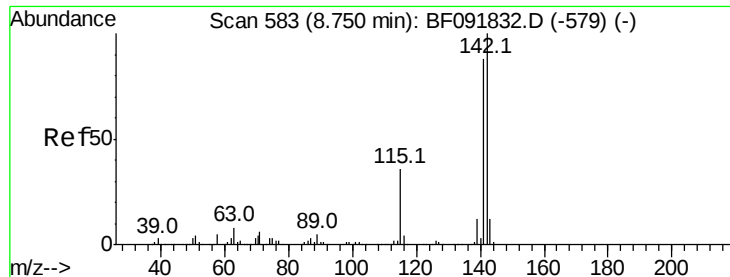
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#31
 Naphthalene
 Concen: 24.59 ng
 RT: 8.06 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: BF091882.D
 Acq: 22 Dec 2016 13:30

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.6	9.5	14.3#
127	14.7	10.8	16.2





#37

2-Methylnaphthalene

Concen: Below Cal

RT: 8.76 min Scan# 584

Delta R.T. 0.01 min

Lab File: BF091882.D

Acq: 22 Dec 2016 13:30

Instrument :
BNA_F

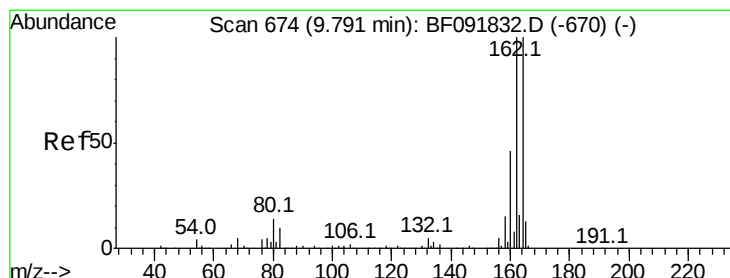
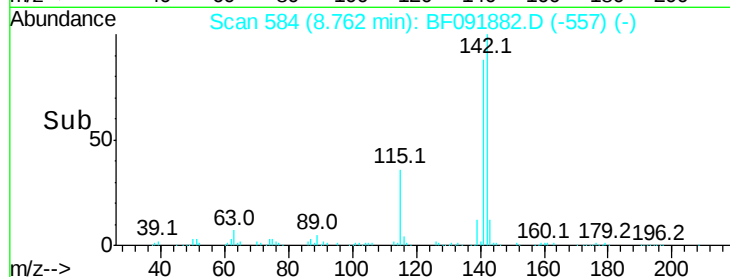
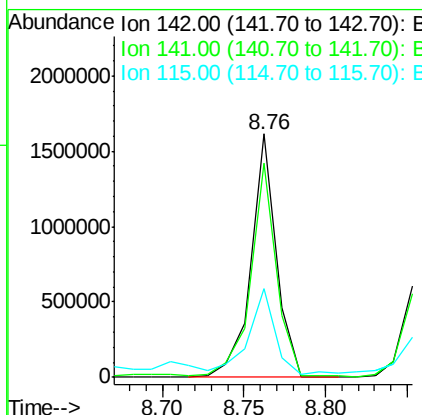
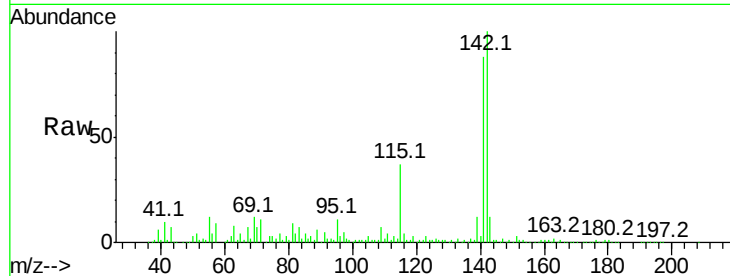
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tot Ion:142 Resp: 1732030

Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.0	106.6
115	36.7	28.3	42.5

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12/23/2016 5:51:34 PM



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 674

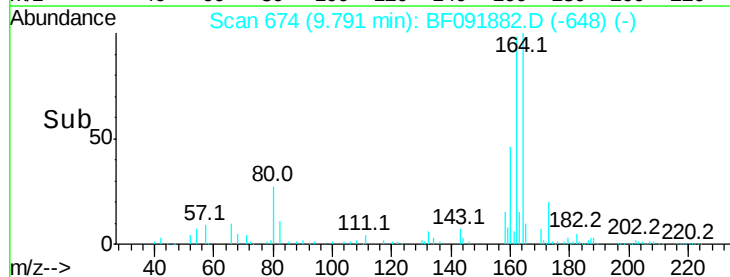
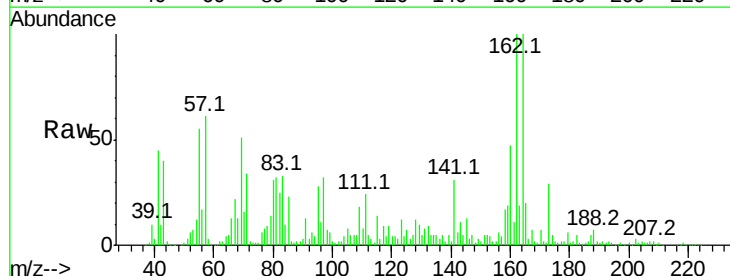
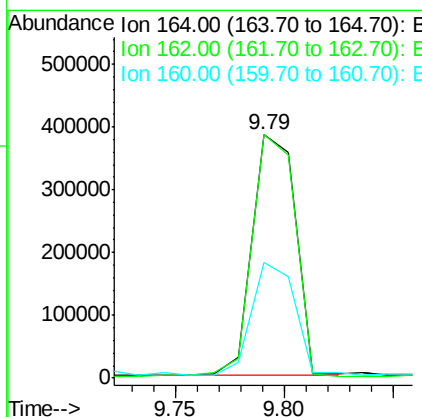
Delta R.T. 0.00 min

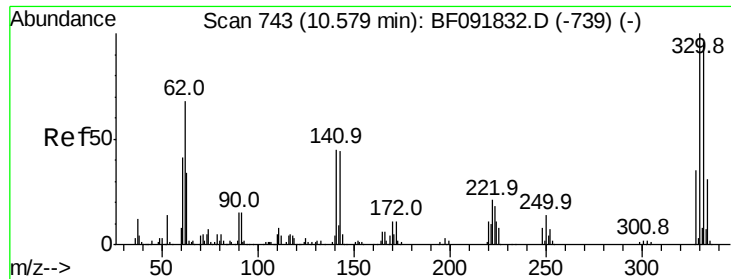
Lab File: BF091882.D

Acq: 22 Dec 2016 13:30

Tgt Ion:164 Resp: 531255

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.2	120.2
160	47.4	36.9	55.3





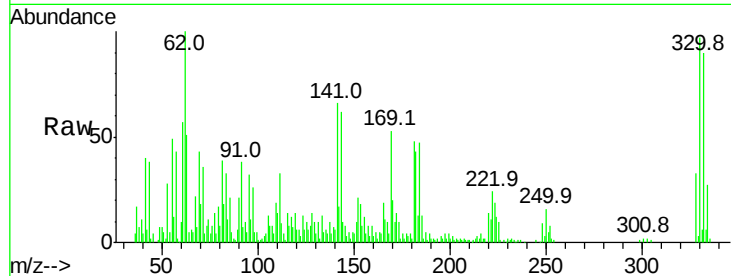
#41
 2,4,6-Tribromophenol
 Concen: 33.06 ng
 RT: 10.58 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: BF091882.D
 Acq: 22 Dec 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16DL

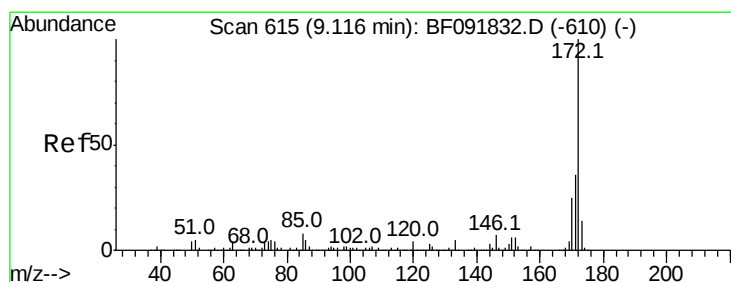
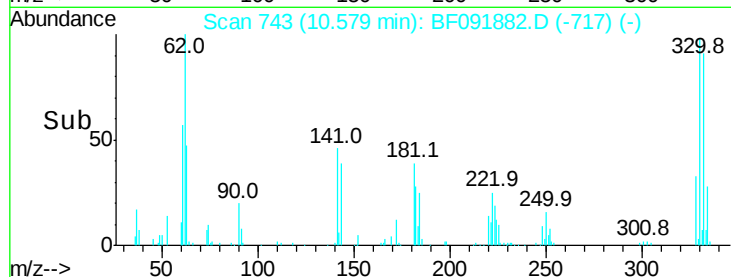
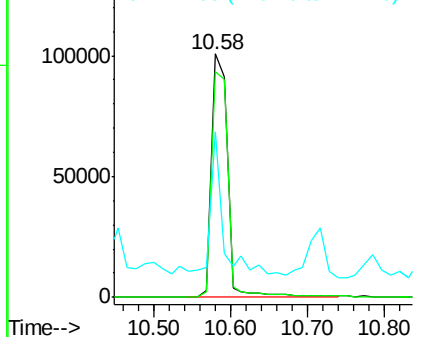
Tot Ion	Ratio	Resp	Lower	Upper
330	100	145369		
332	95.6		77.4	116.2
141	44.2		34.1	51.1

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 12/23/2016 5:51:34 PM



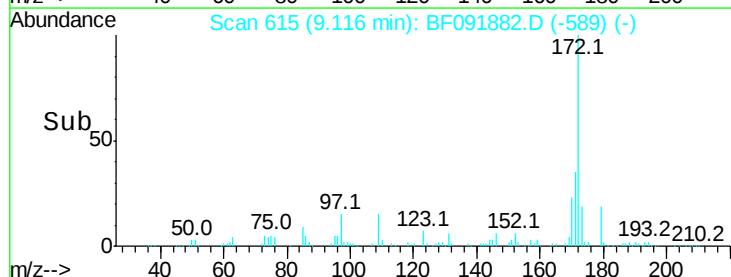
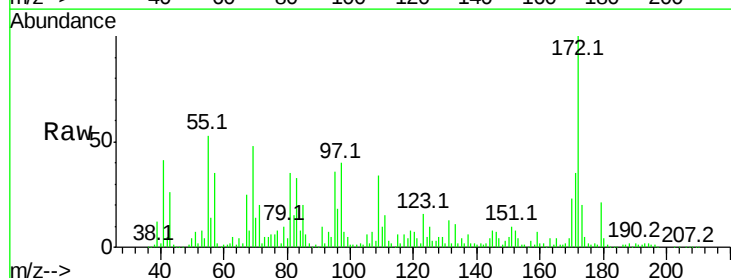
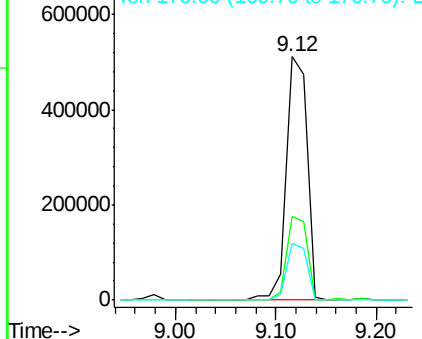
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

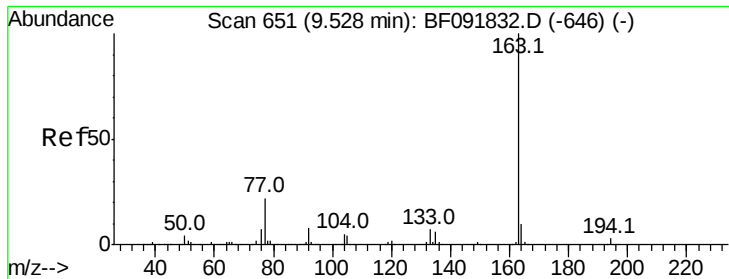


#44
 2-Fluorobiphenyl
 Concen: 18.23 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091882.D
 Acq: 22 Dec 2016 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	735400		
171	34.5		29.4	44.0
170	23.2		20.2	30.4

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





#49

Dimethylphthalate

Concen: 3.38 ng

RT: 9.52 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF091882.D

Acq: 22 Dec 2016 13:30

Instrument :

BNA_F

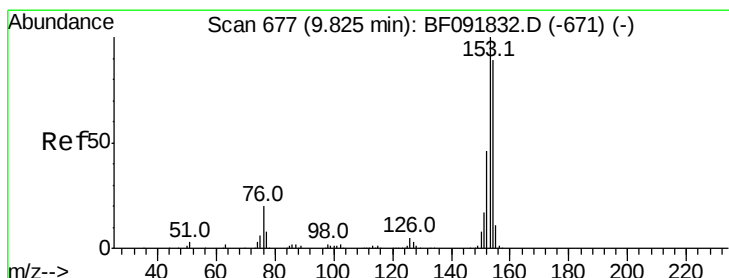
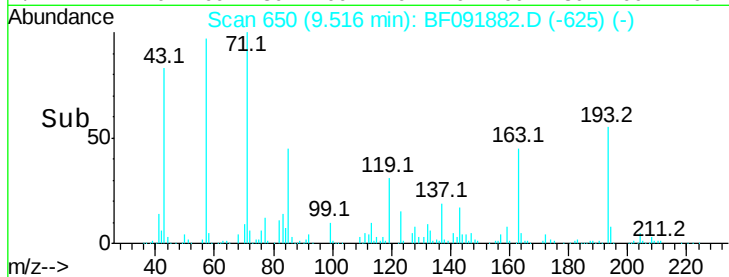
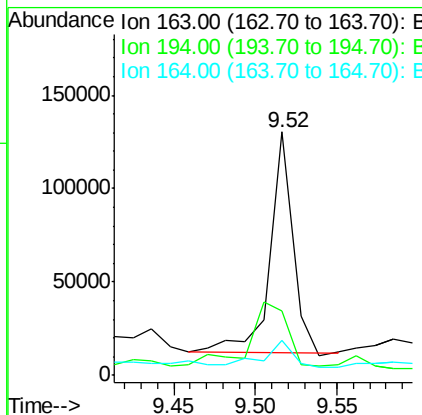
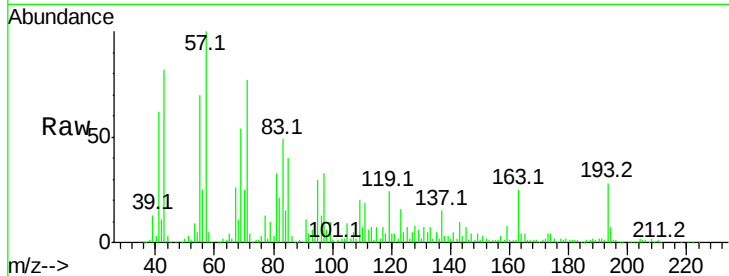
ClientSampleId :

SB-49(11-13)-12-14-16DL

Tot Ion:	163	Resp:	114695
Ion Ratio	Lower	Upper	
163	100		
194	26.4	3.0	4.4#
164	14.2	8.0	12.0#

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12/23/2016 5:51:34 PM



#51

Acenaphthene

Concen: 3.52 ng

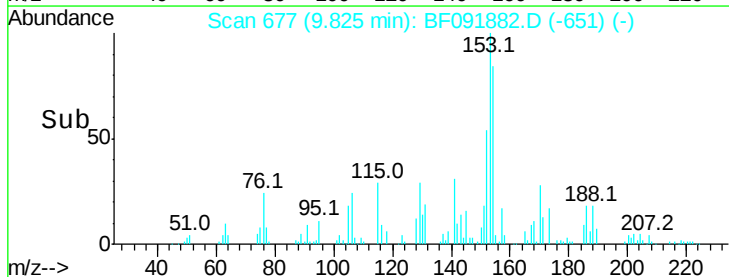
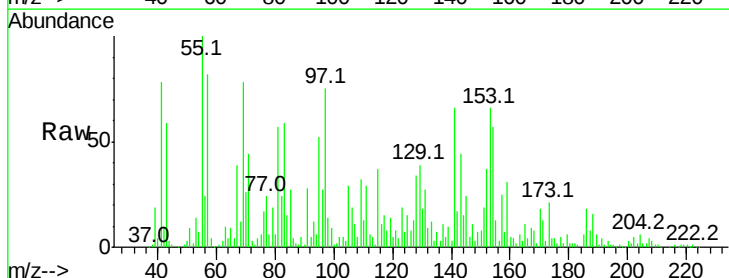
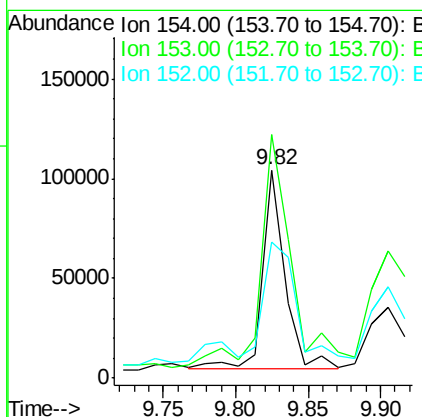
RT: 9.82 min Scan# 677

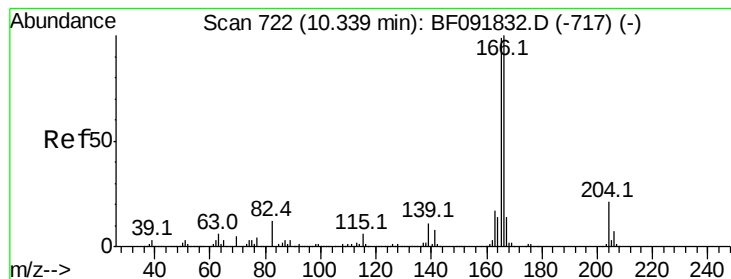
Delta R.T. 0.00 min

Lab File: BF091882.D

Acq: 22 Dec 2016 13:30

Tgt Ion:	154	Resp:	105600
Ion Ratio	Lower	Upper	
154	100		
153	117.0	88.6	133.0
152	65.2	41.6	62.4#





#57

Fluorene

Concen: 5.96 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF091882.D

Acq: 22 Dec 2016 13:30

Instrument :

BNA_F

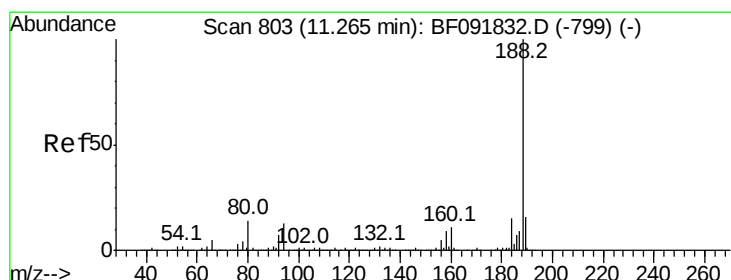
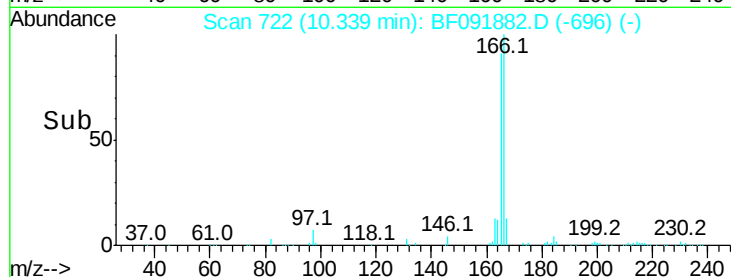
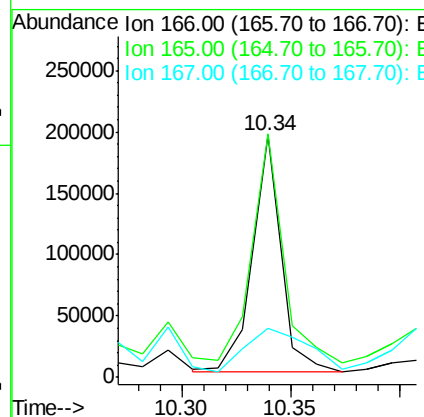
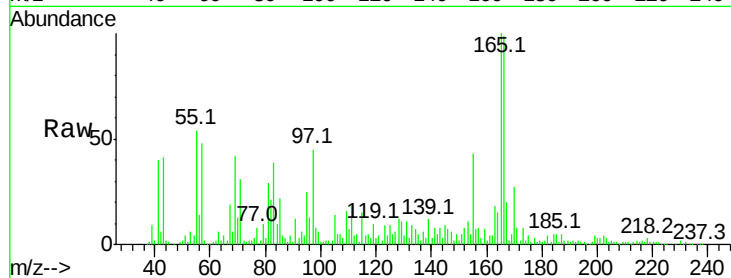
ClientSampleId :

SB-49(11-13)-12-14-16DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.6	77.8	116.8
167	20.1	10.8	16.2

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12/23/2016 5:51:34 PM



#63

Phenanthrene-d10

Concen: 20.00 ng

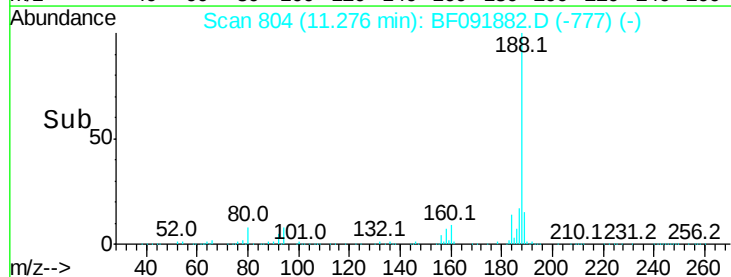
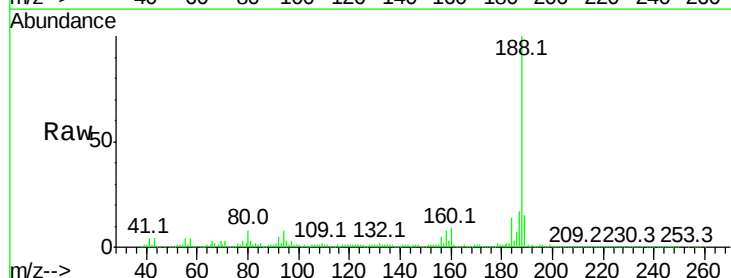
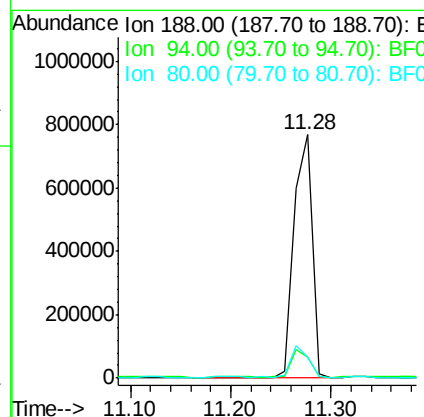
RT: 11.28 min Scan# 804

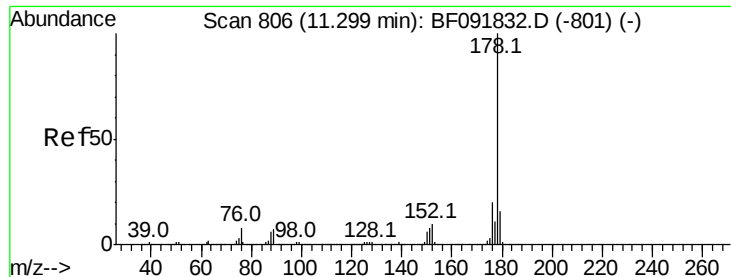
Delta R.T. 0.01 min

Lab File: BF091882.D

Acq: 22 Dec 2016 13:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	10.0	15.0
80	8.4	11.2	16.8





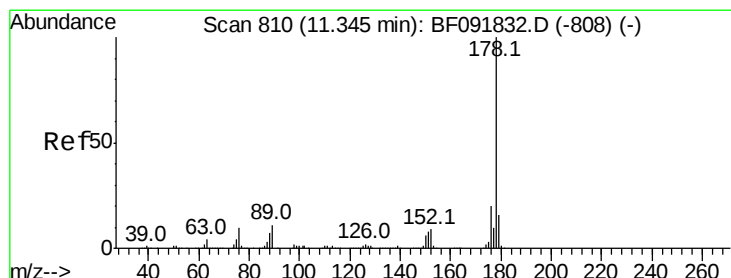
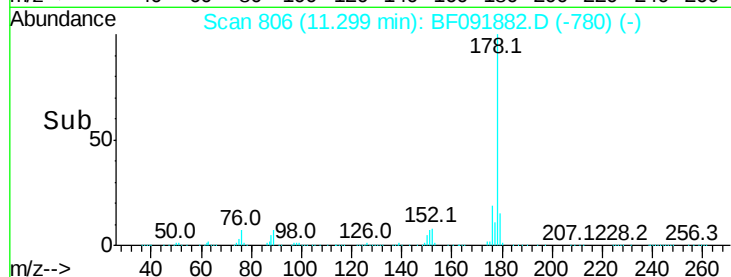
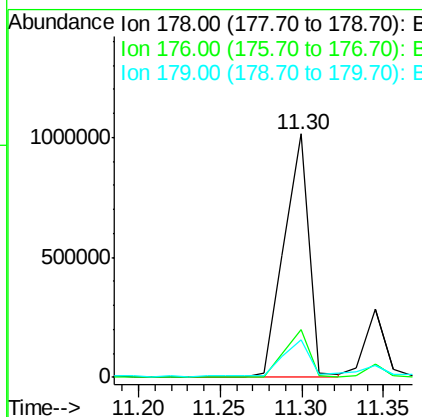
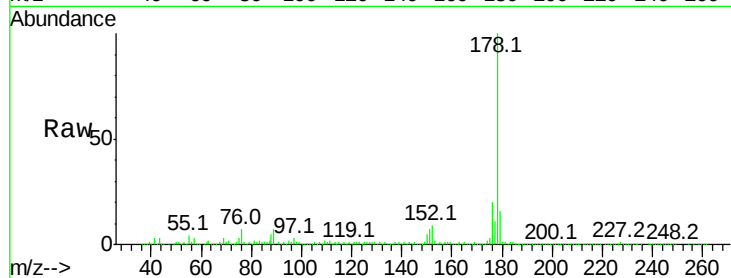
#70
Phenanthrene
Concen: 20.51 ng
RT: 11.30 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF091882.D
Acq: 22 Dec 2016 13:30

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tot Ion:178 Resp: 1071339
Ion Ratio Lower Upper
178 100
176 19.7 16.6 25.0
179 15.7 12.8 19.2

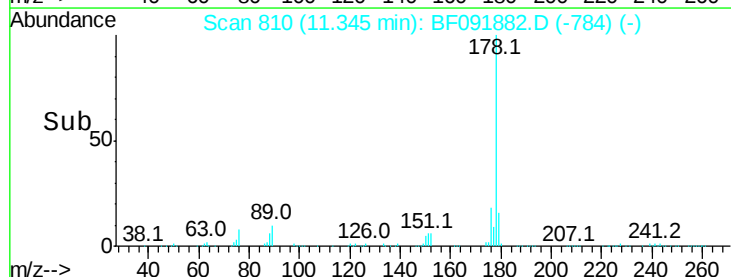
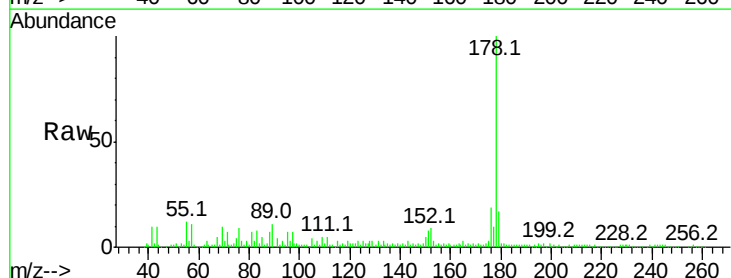
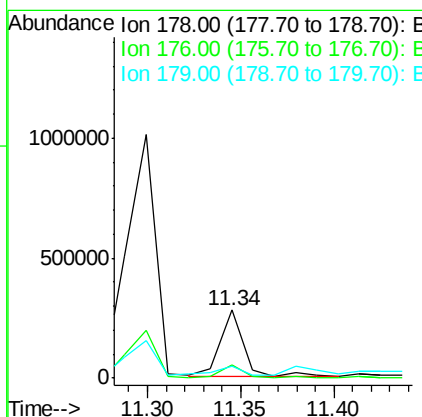
Manual Integrations
APPROVED

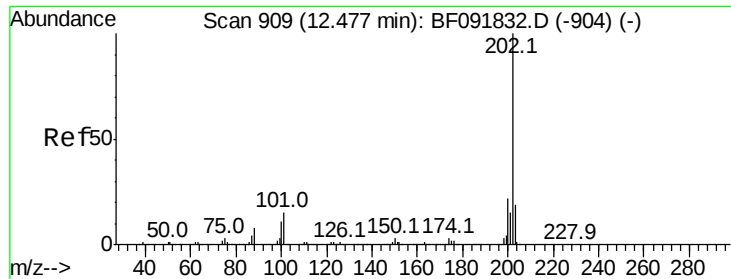
SOHIL
12/23/2016 5:51:34 PM



#71
Anthracene
Concen: 3.49 ng
RT: 11.34 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF091882.D
Acq: 22 Dec 2016 13:30

Tgt Ion:178 Resp: 241591
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 17.4 13.2 19.8





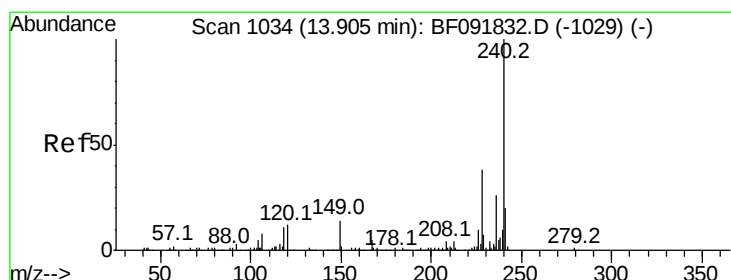
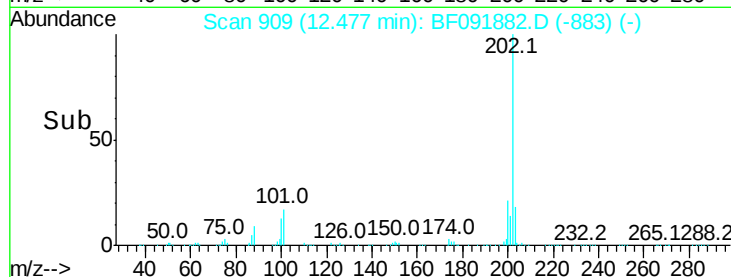
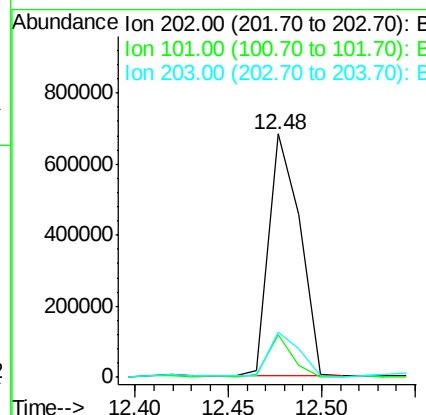
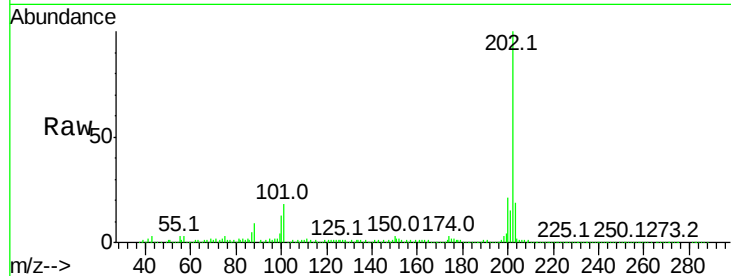
#74
 Fluoranthene
 Concen: 14.79 ng
 RT: 12.48 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BF091882.D
 Acq: 22 Dec 2016 13:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	17.5	0.0	34.6
203	18.6	0.0	38.7

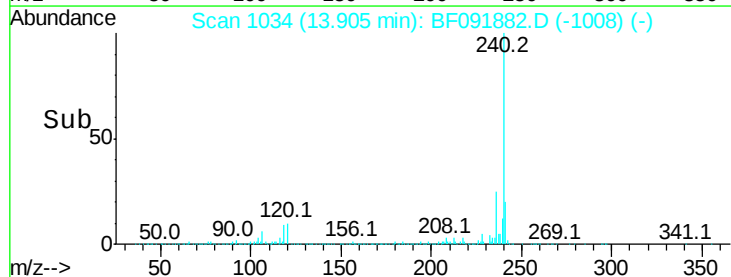
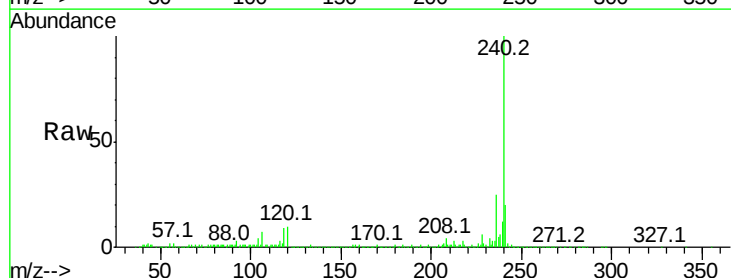
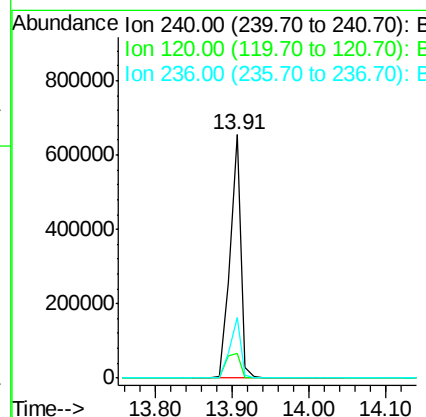
Manual Integrations
 APPROVED

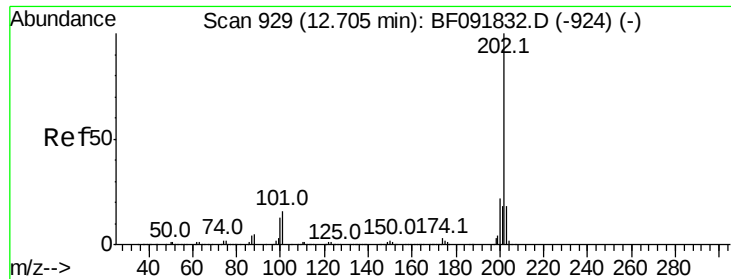
SOHIL
 12/23/2016 5:51:34 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.91 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BF091882.D
 Acq: 22 Dec 2016 13:30

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.1	12.9	19.3#
236	25.1	20.9	31.3





#77

Pvrene

Concen: 15.86 ng

RT: 12.71 min Scan# 929

Delta R.T. -0.00 min

Lab File: BF091882.D

Acq: 22 Dec 2016 13:30

Instrument :

BNA_F

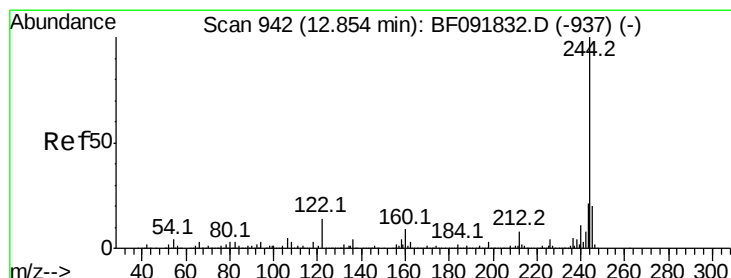
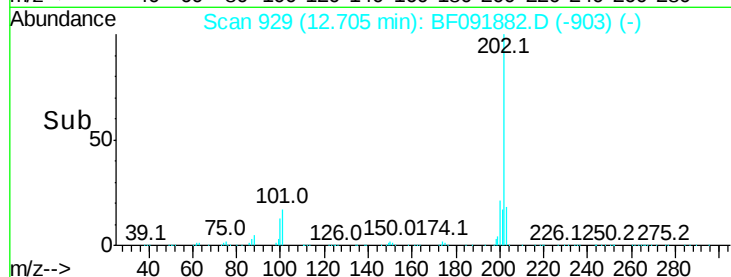
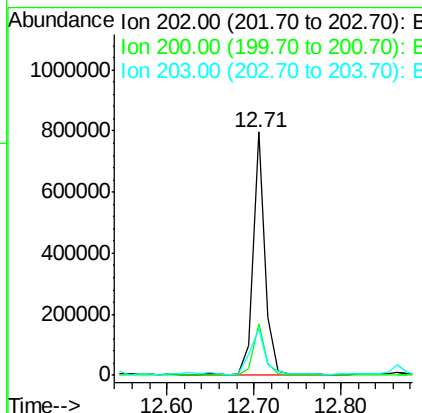
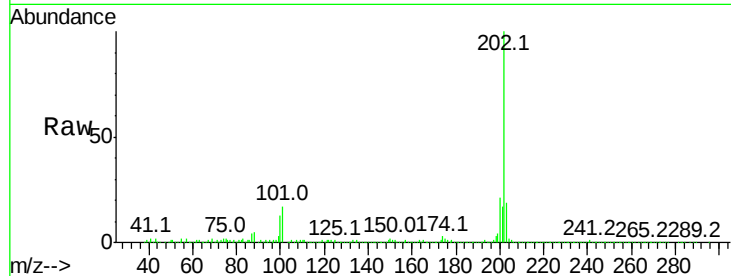
ClientSampleId :

SB-49(11-13)-12-14-16DL

Tot Ion:	202	Resp:	760868
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.7	26.5
203	19.0	14.7	22.1

Manual Integrations
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SOHIL
12/23/2016 5:51:34 PM



#78

Terphenyl-d14

Concen: 24.27 ng

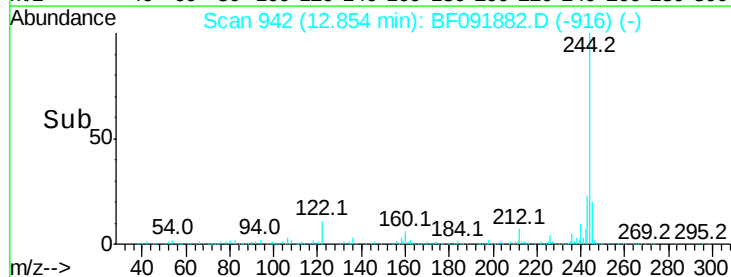
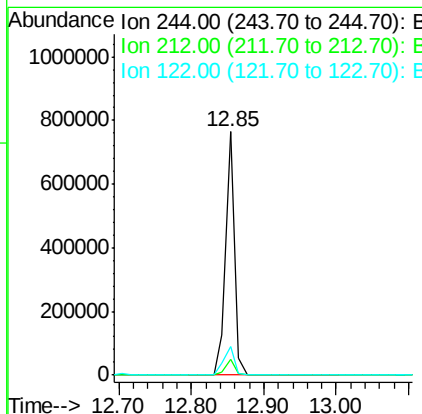
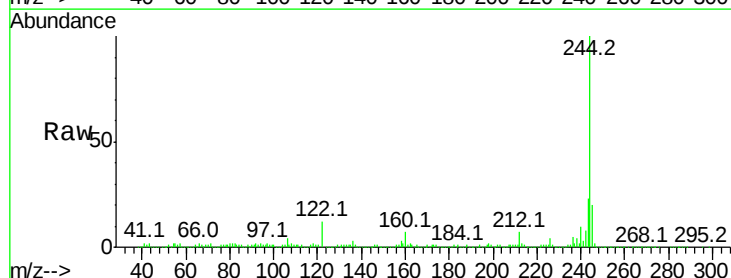
RT: 12.85 min Scan# 942

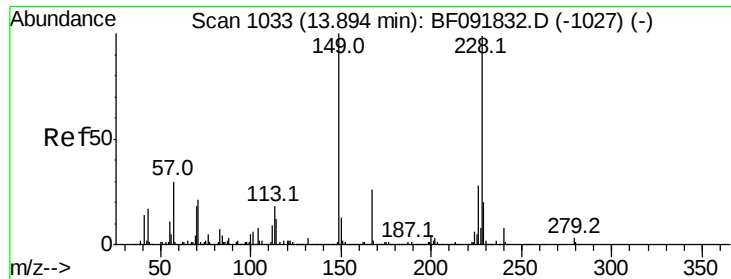
Delta R.T. -0.00 min

Lab File: BF091882.D

Acq: 22 Dec 2016 13:30

Tgt Ion:	244	Resp:	654268
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.2	9.2
122	11.5	11.4	17.2





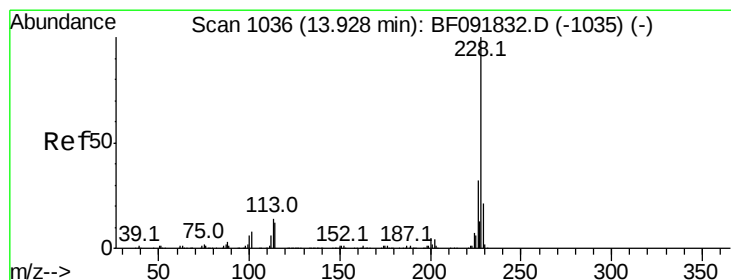
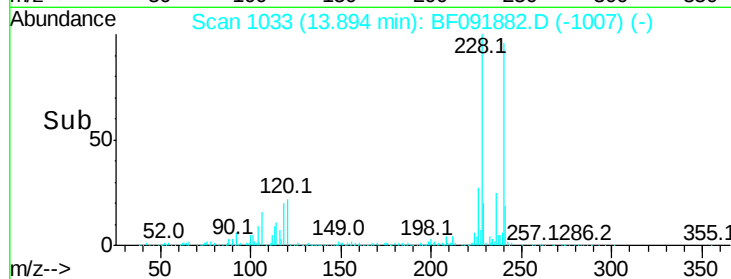
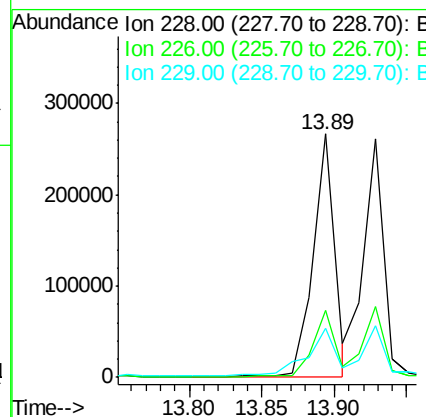
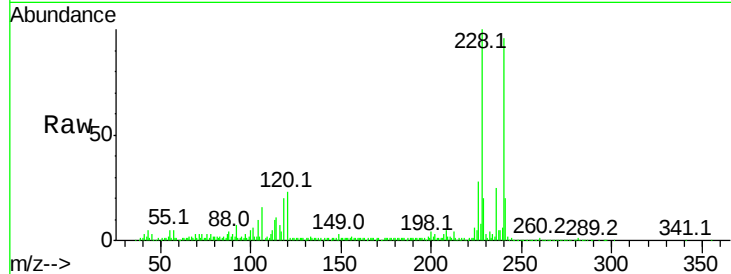
#80
Benzo(a)anthracene
Concen: 7.39 ng
RT: 13.89 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BF091882.D
Acq: 22 Dec 2016 13:30

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.4	33.6
229	20.3	16.2	24.4

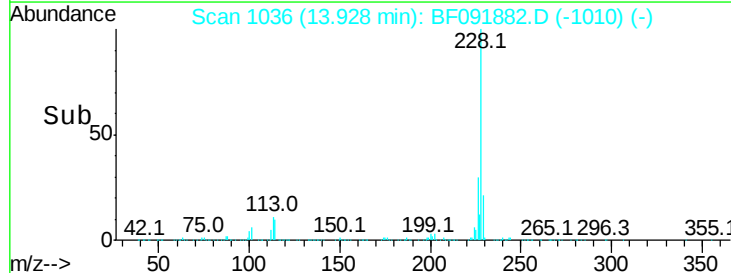
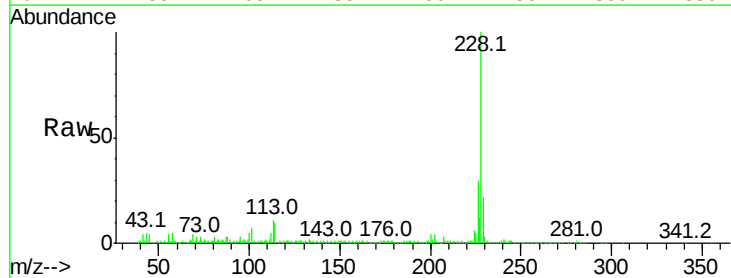
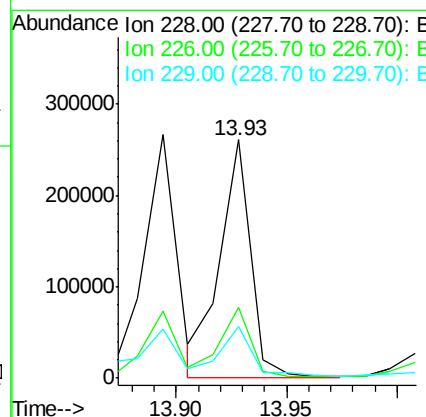
Manual Integrations
APPROVED

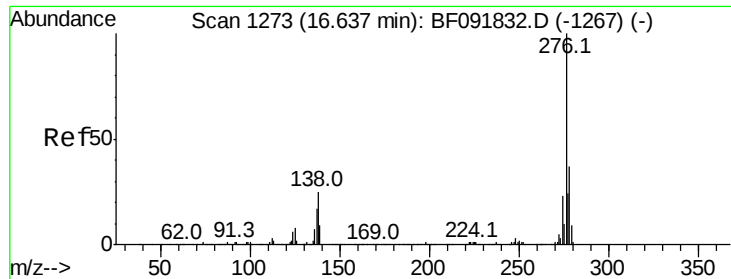
SOHIL
12/23/2016 5:51:34 PM



#82
Chrysene
Concen: 6.87 ng m
RT: 13.93 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF091882.D
Acq: 22 Dec 2016 13:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.4	38.0
229	21.8	16.2	24.2





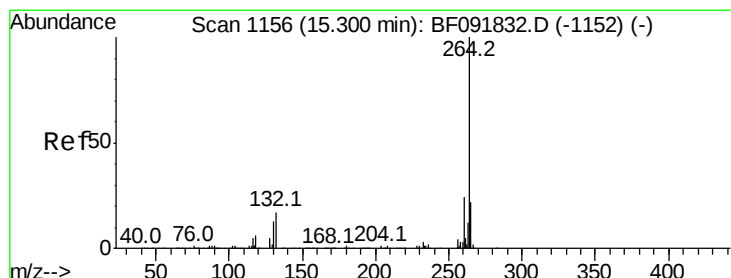
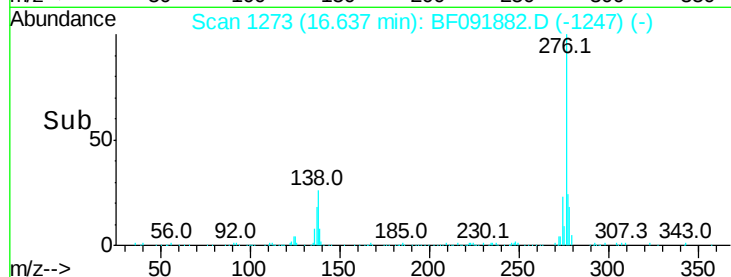
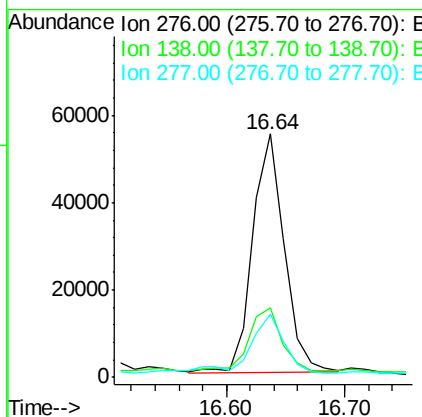
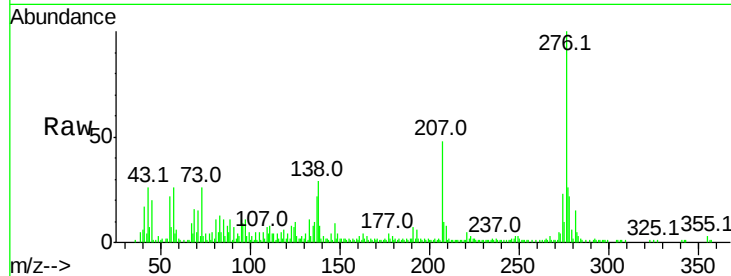
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.17 ng
RT: 16.64 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BF091882.D
Acq: 22 Dec 2016 13:30

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.8	21.8	32.6
277	28.0	20.2	30.4

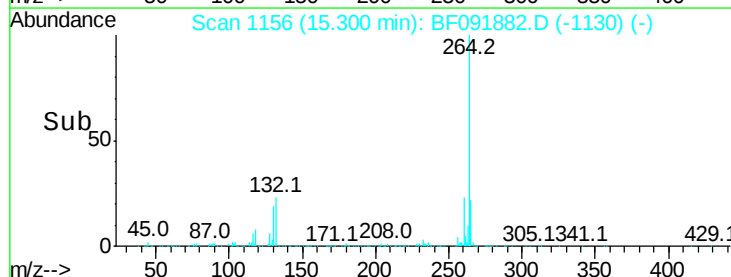
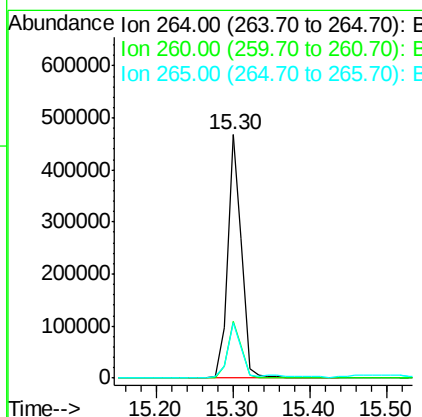
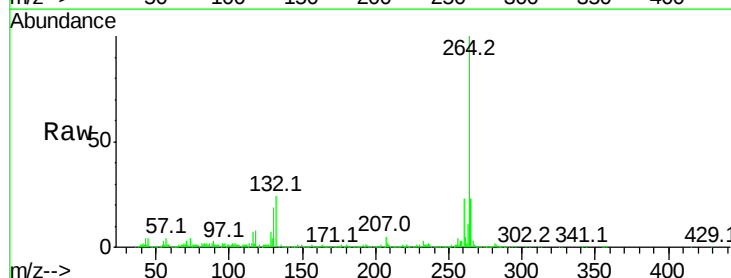
Manual Integrations
APPROVED

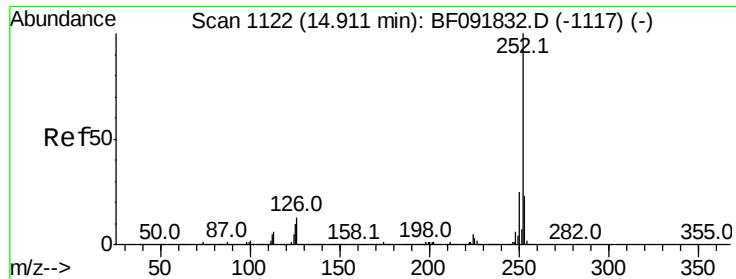
SOHIL
12/23/2016 5:51:34 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF091882.D
Acq: 22 Dec 2016 13:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.6	17.4	26.0





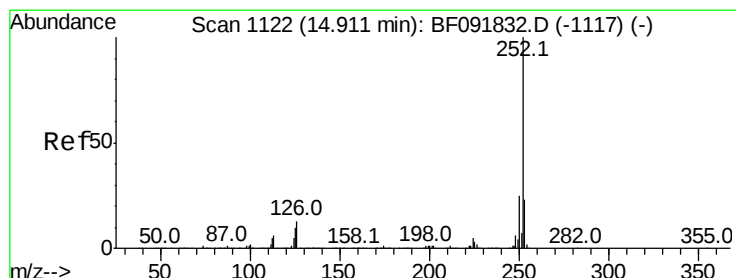
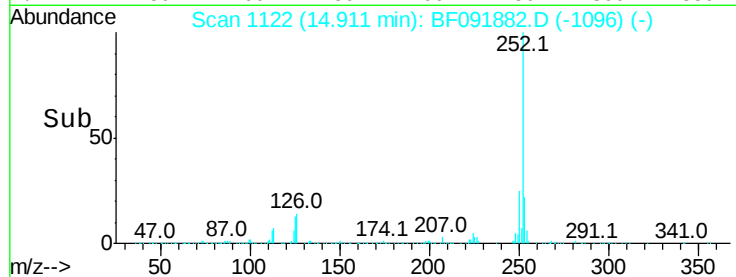
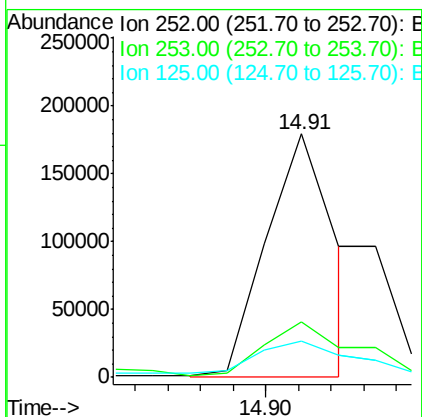
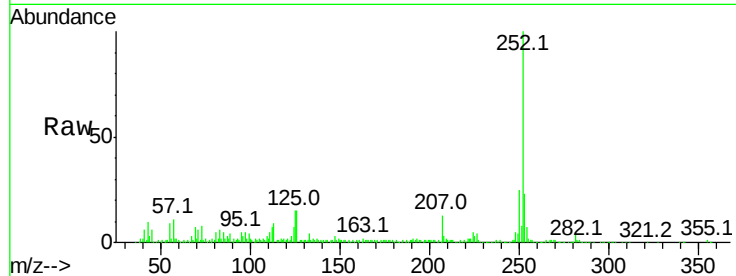
#87
Benzo(b)fluoranthene
Concen: 6.98 ng m
RT: 14.91 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BF091882.D
Acq: 22 Dec 2016 13:30

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	260267		
253	22.8	18.2	27.4	
125	14.7	9.8	14.6	

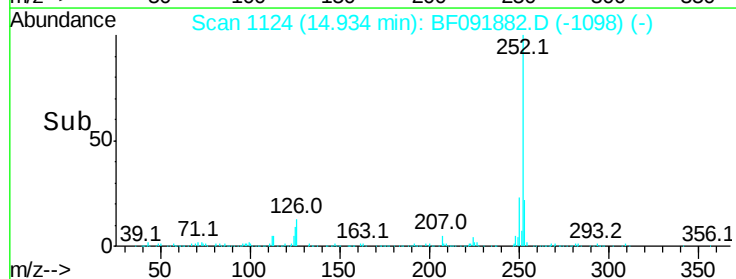
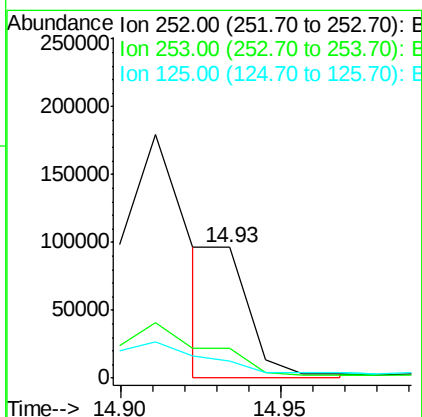
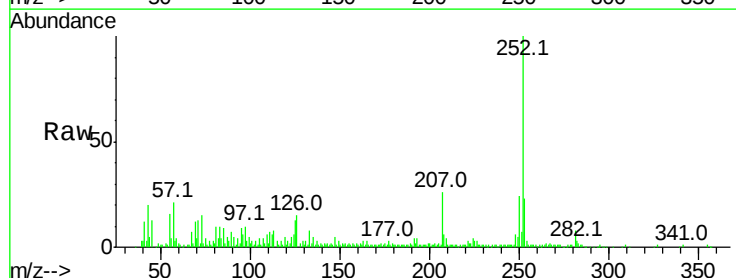
Manual Integrations
APPROVED

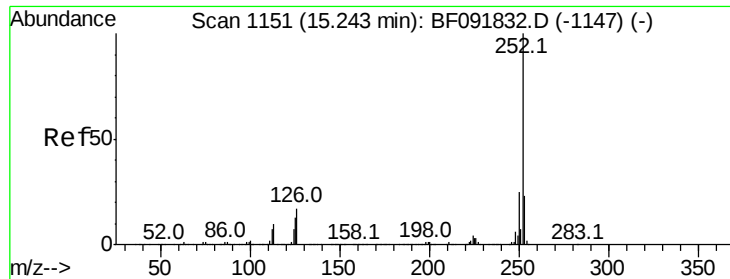
SOHIL
12/23/2016 5:51:34 PM



#88
Benzo(k)fluoranthene
Concen: 2.49 ng m
RT: 14.93 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BF091882.D
Acq: 22 Dec 2016 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	79046		
253	23.2	18.5	27.7	
125	12.9	8.9	13.3	





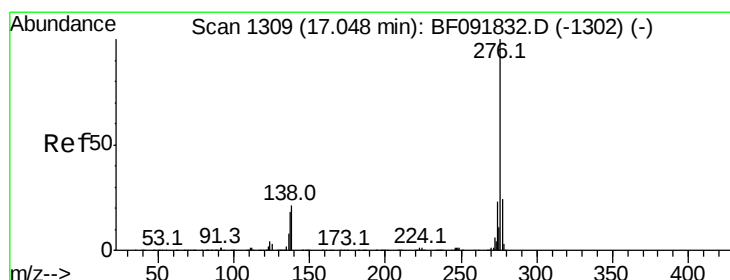
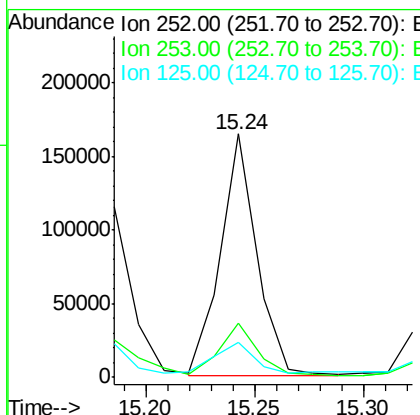
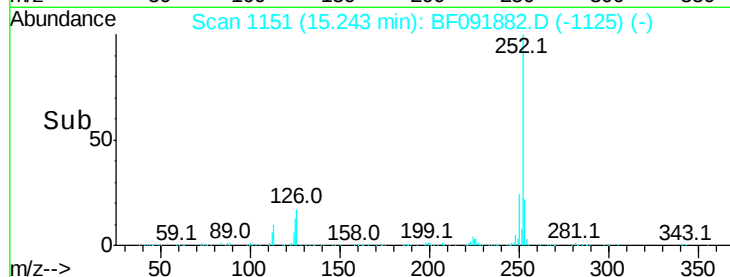
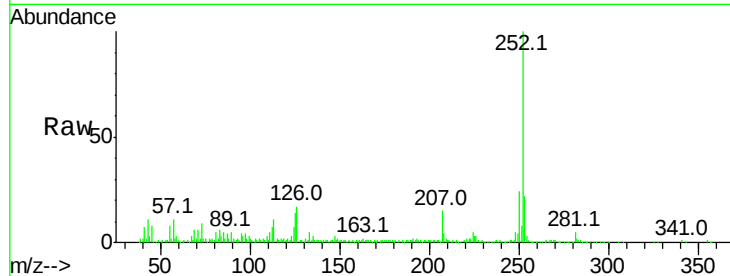
#89
Benzo(a)pyrene
Concen: 5.80 ng
RT: 15.24 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF091882.D
Acq: 22 Dec 2016 13:30

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	191882		
253	22.4	18.2	27.2	
125	14.1	10.0	15.0	

Manual Integrations
APPROVED

SOHIL
12/23/2016 5:51:34 PM



#91
Benzo(g,h,i)perylene
Concen: 3.48 ng
RT: 17.04 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF091882.D
Acq: 22 Dec 2016 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	98329		
277	25.2	19.2	28.8	
138	27.2	16.0	24.0	

