

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085657.D
 Acq On : 22 Mar 2016 9:53
 Operator : UM/SJ
 Sample : H1815-10DL 5X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMPDL

Manual Integrations
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Quant Time: Mar 22 11:51:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	132875m	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	557037	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	215564	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	345687	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	272332	20.00	ng	-0.01
86) Perylene-d12	15.42	264	285955	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	188791	23.86	ng	-0.02
7) Phenol-d6	6.47	99	228175	22.49	ng	-0.02
23) Nitrobenzene-d5	7.40	82	130642	13.61	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	32932	15.60	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	202846	12.14	ng	-0.02
78) Terphenyl-d14	12.94	244	103159	9.12	ng	-0.02
Target Compounds						Qvalue
57) Fluorene	10.42	166	41694	2.98	ng	98
70) Phenanthrene	11.39	178	505199	27.72	ng	99
71) Anthracene	11.43	178	99902	5.23	ng	99
72) Carbazole	11.59	167	43357	2.63	ng	100
74) Fluoranthene	12.57	202	576009	30.18	ng	94
77) Pyrene	12.80	202	527856	26.99	ng	100
80) Benzo(a)anthracene	13.99	228	253856	16.06	ng	94
82) Chrysene	14.03	228	235955	15.51	ng	97
85) Indeno(1,2,3-cd)pyrene	16.81	276	107981	8.50	ng	94
87) Benzo(b)fluoranthene	15.02	252	297103m	15.92	ng	
88) Benzo(k)fluoranthene	15.04	252	94206m	6.13	ng	
89) Benzo(a)pyrene	15.36	252	214921	13.59	ng	98
90) Dibenzo(a,h)anthracene	16.81	278	32813	2.49	ng	# 76
91) Benzo(g,h,i)perylene	17.23	276	100361	7.86	ng	98

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

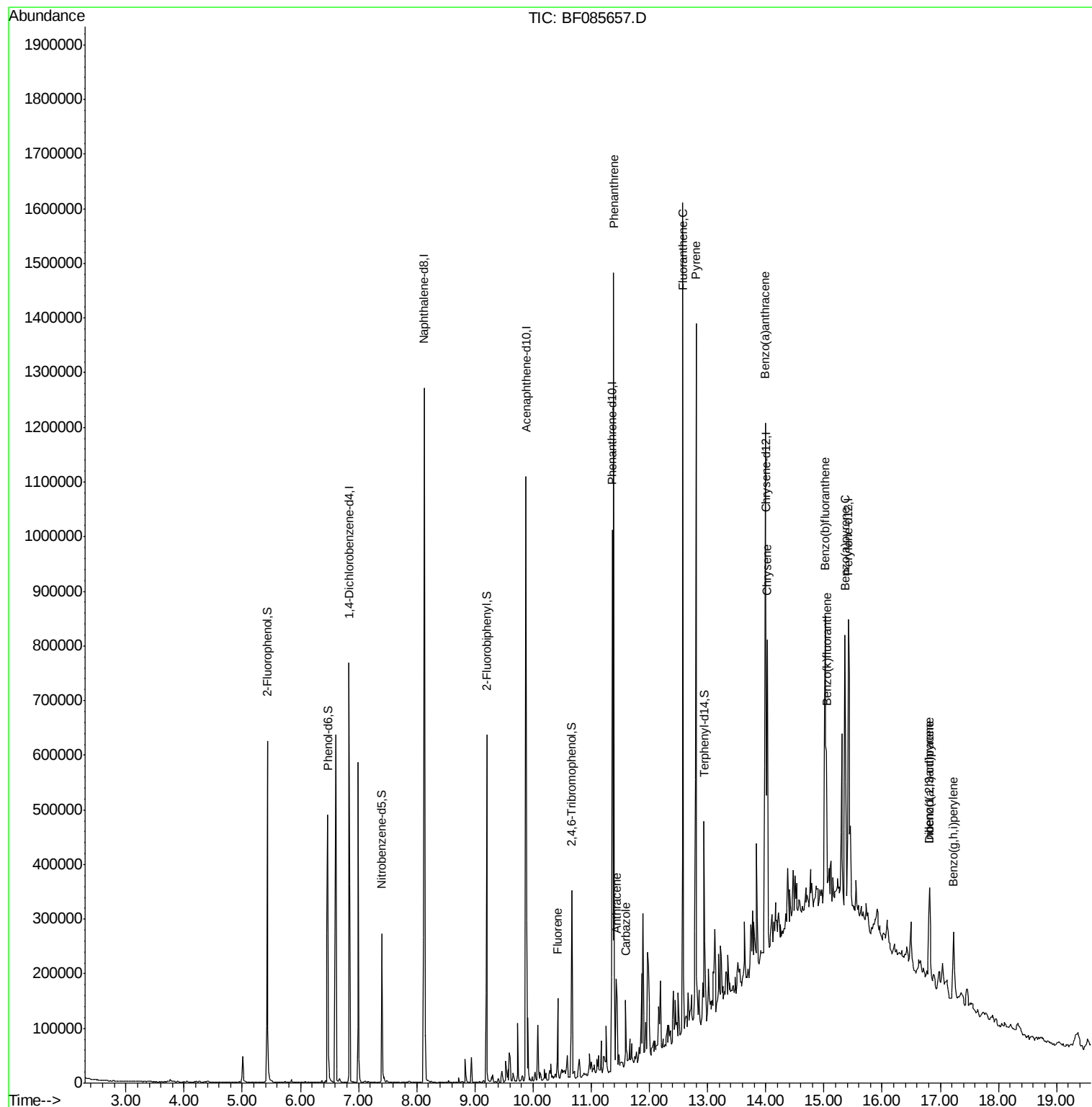
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
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ALS Vial : 40 Sample Multiplier: 1

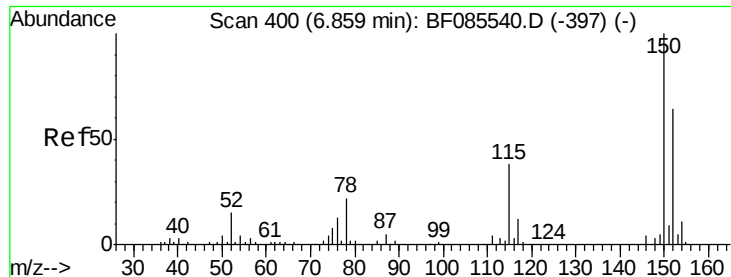
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng m

RT: 6.84 min Scan# 398

Delta R.T. -0.02 min

Lab File: BF085657.D

Acq: 22 Mar 2016 9:53

Instrument :

BNA_F

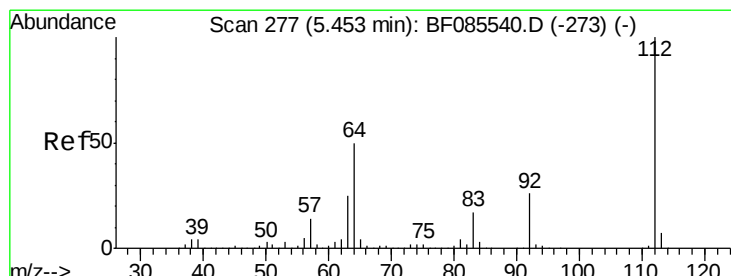
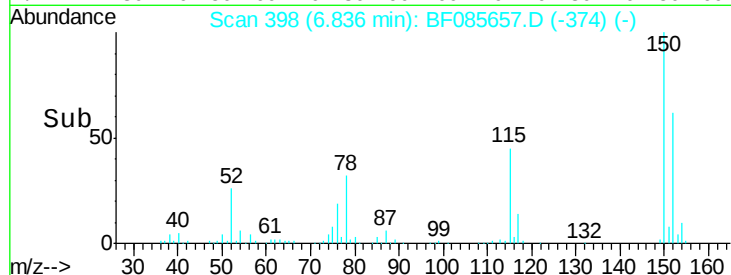
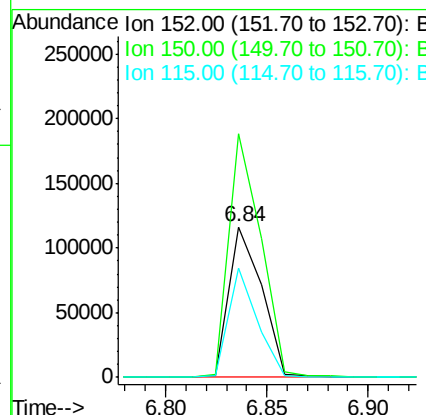
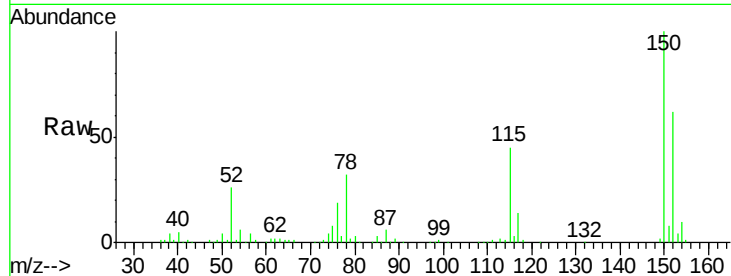
ClientSampleId :

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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	132875		
150	161.9	124.2	186.2	
115	72.4	47.0	70.6	

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#5

2-Fluorophenol

Concen: 23.86 ng

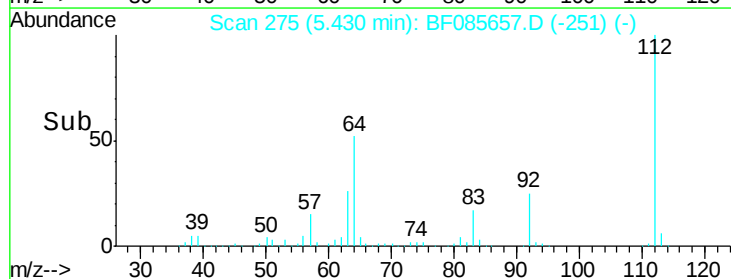
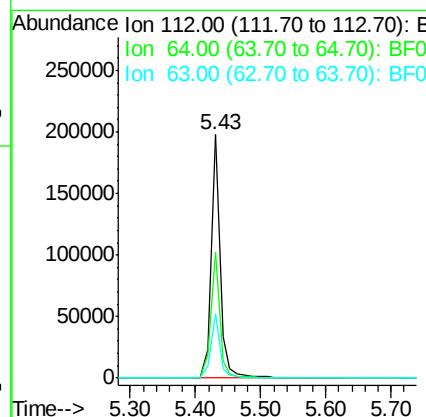
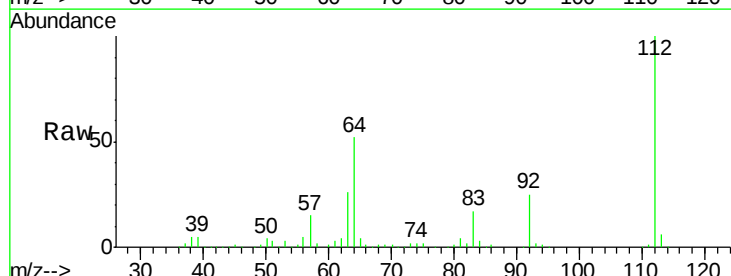
RT: 5.43 min Scan# 275

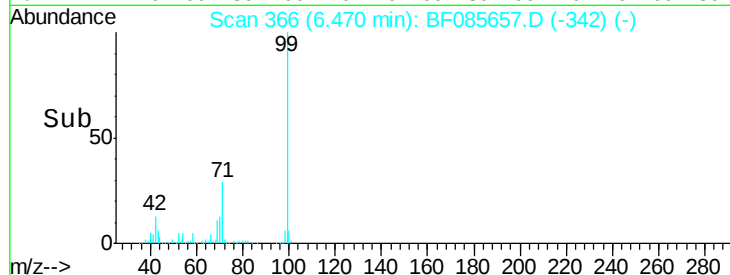
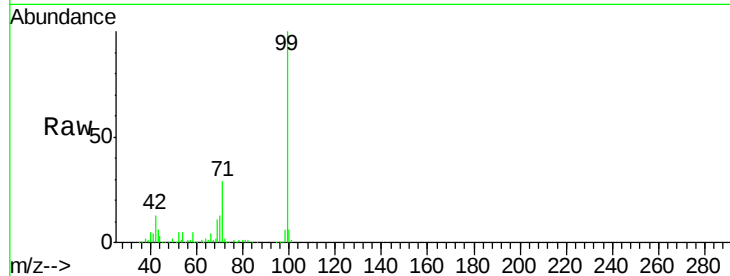
Delta R.T. -0.02 min

Lab File: BF085657.D

Acq: 22 Mar 2016 9:53

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	188791		
64	51.9	39.9	59.9	
63	26.3	20.2	30.2	





#7

Phenol-d6

Concen: 22.49 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085657.D

Acq: 22 Mar 2016 9:53

Tgt Ion:	99	Resp:	228175
Ion Ratio	Lower	Upper	
99	100		
42	12.5	11.1	16.7
71	28.7	24.9	37.3

Instrument :

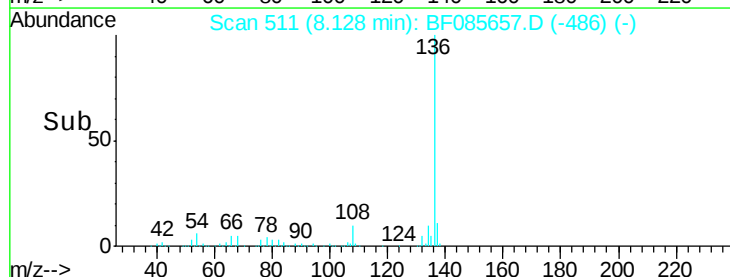
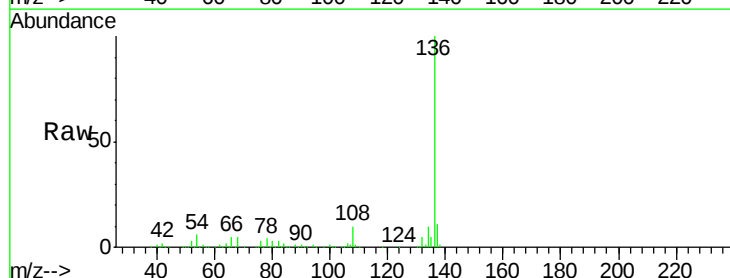
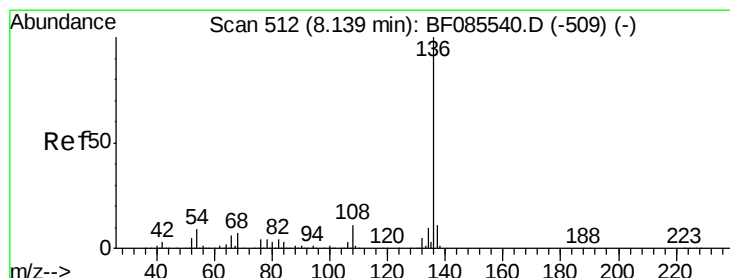
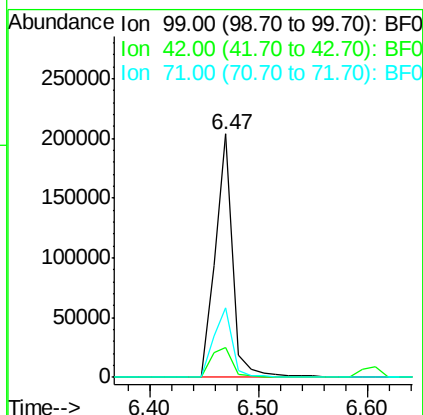
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#21

Naphthalene-d8

Concen: 20.00 ng

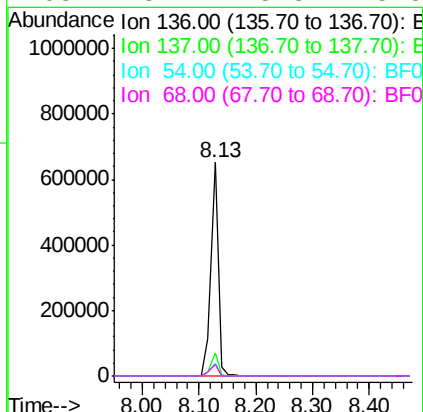
RT: 8.13 min Scan# 511

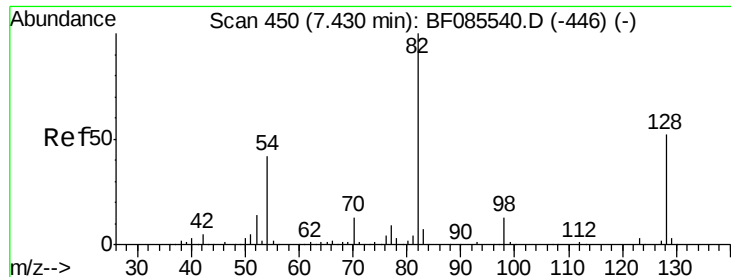
Delta R.T. -0.01 min

Lab File: BF085657.D

Acq: 22 Mar 2016 9:53

Tgt Ion:	136	Resp:	557037
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	6.1	7.4	11.0#
68	5.4	5.8	8.8#





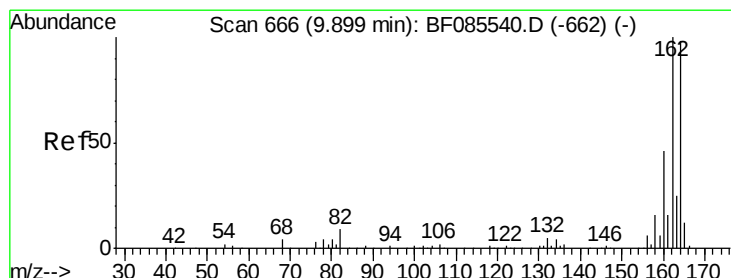
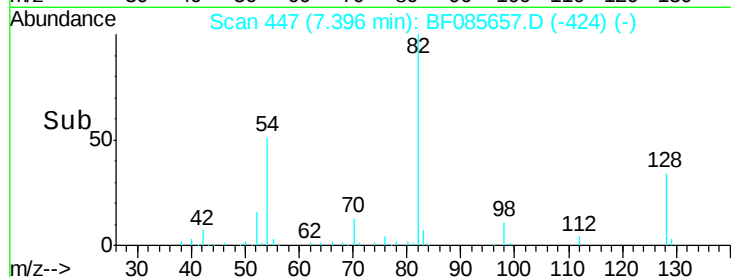
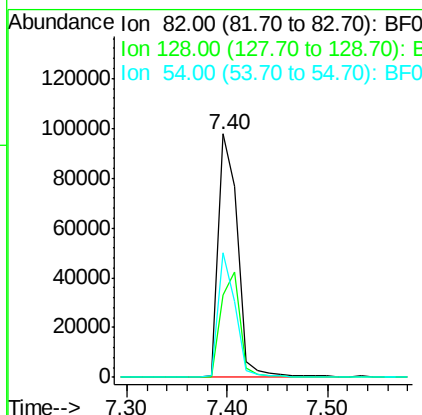
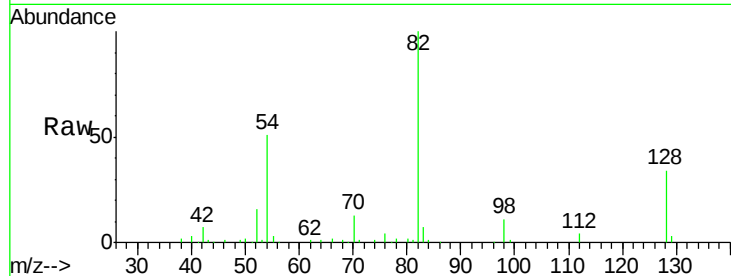
#23
 Nitrobenzene-d5
 Concen: 13.61 ng
 RT: 7.40 min Scan# 447
 Delta R.T. -0.03 min
 Lab File: BF085657.D
 Acq: 22 Mar 2016 9:53

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	33.9	41.8	62.8#
54	51.4	33.4	50.0#

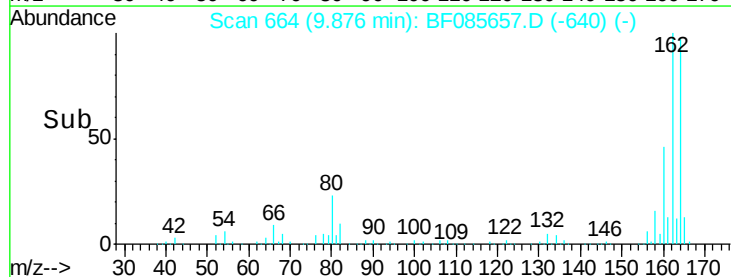
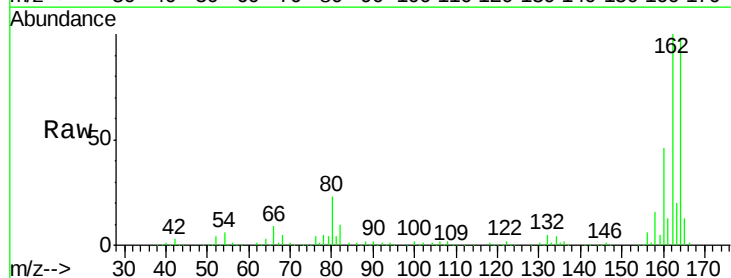
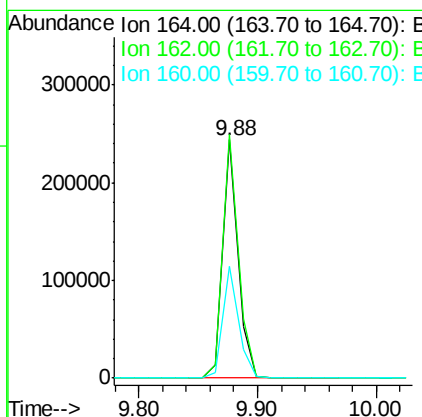
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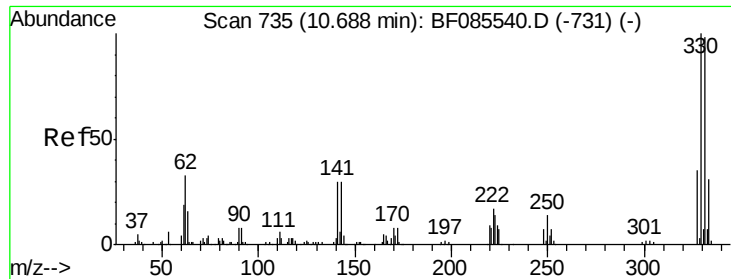
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 664
 Delta R.T. -0.02 min
 Lab File: BF085657.D
 Acq: 22 Mar 2016 9:53

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	102.2	82.1	123.1
160	46.9	37.4	56.2





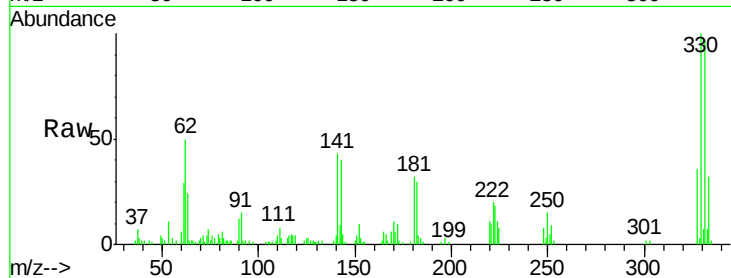
#41
 2,4,6-Tribromophenol
 Concen: 15.60 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: BF085657.D
 Acq: 22 Mar 2016 9:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMPDL

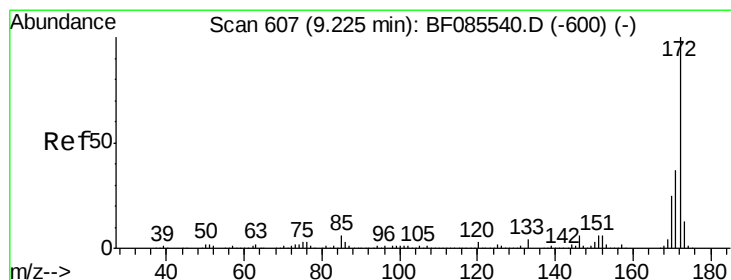
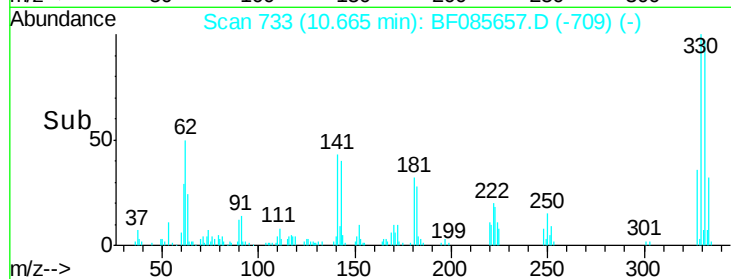
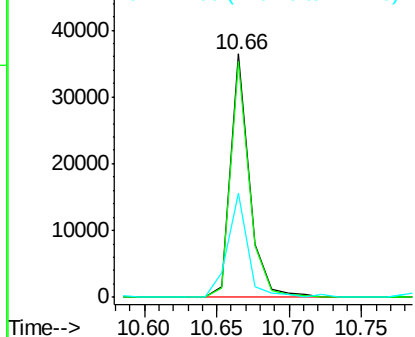
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	32932		
332	96.3	78.2	117.2	
141	46.2	31.5	47.3	

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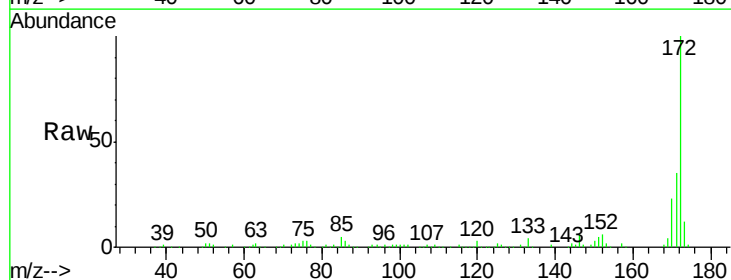


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

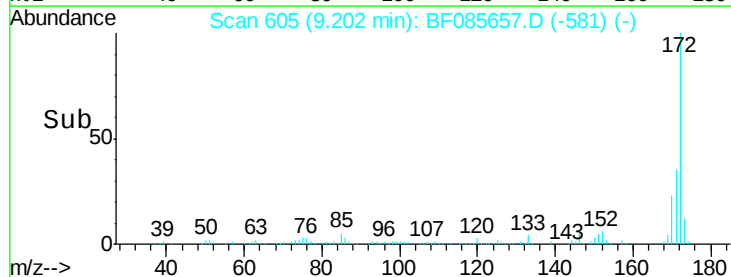
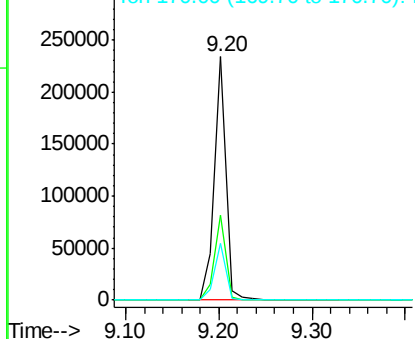


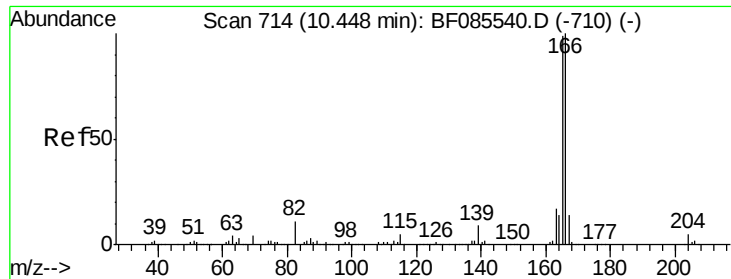
#44
 2-Fluorobiphenyl
 Concen: 12.14 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.02 min
 Lab File: BF085657.D
 Acq: 22 Mar 2016 9:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	202846		
171	35.0	29.4	44.2	
170	23.1	19.8	29.6	



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





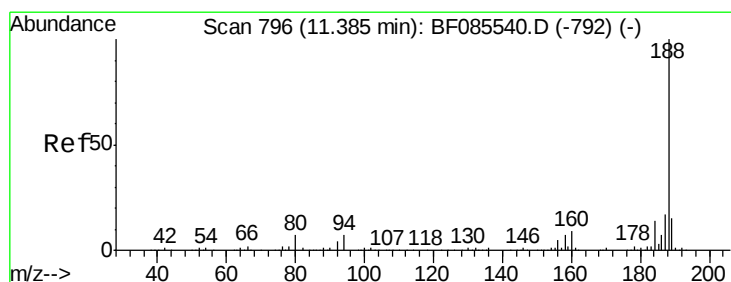
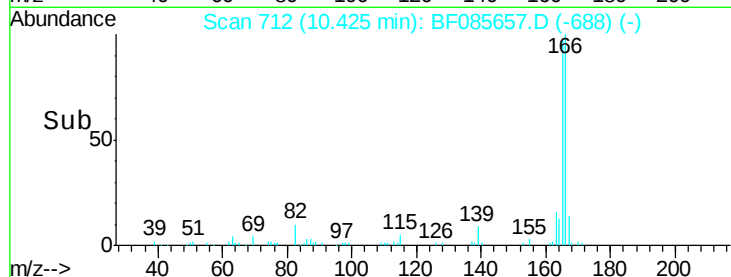
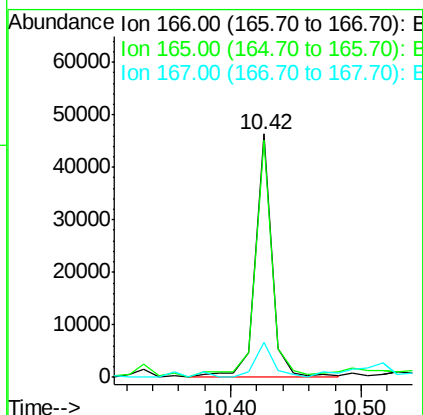
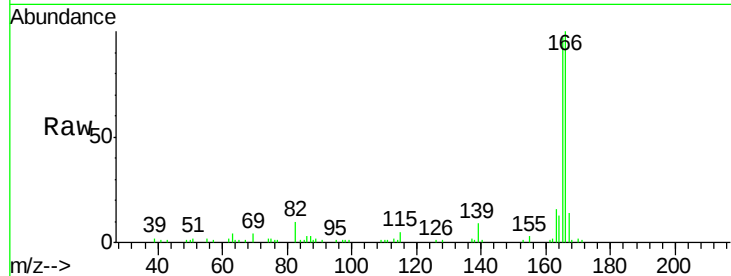
#57
Fluorene
Concen: 2.98 ng
RT: 10.42 min Scan# 712
Delta R.T. -0.02 min
Lab File: BF085657.D
Acq: 22 Mar 2016 9:53

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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	41694		
165	97.3	79.4	119.0	
167	14.4	11.0	16.4	

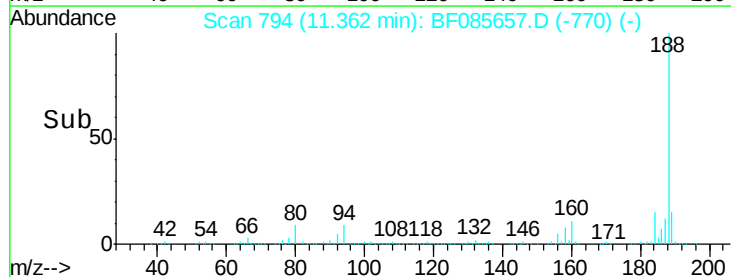
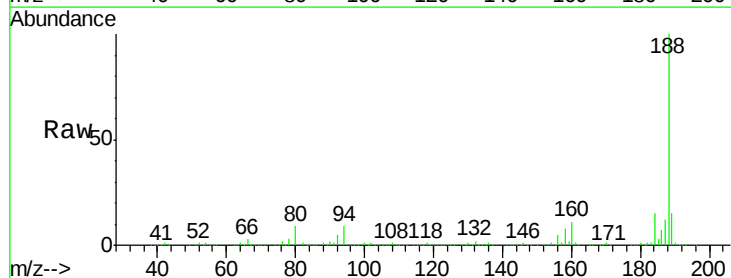
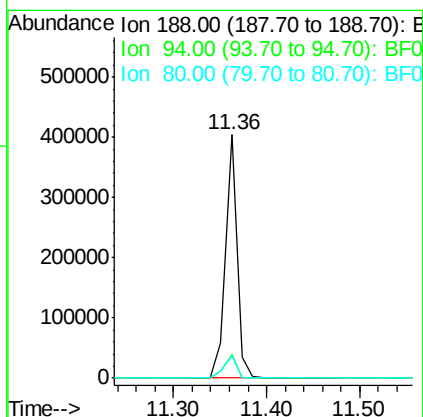
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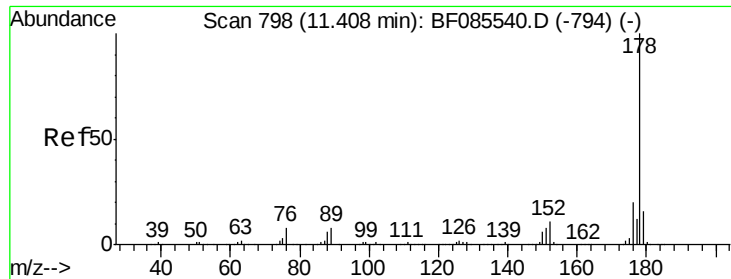
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF085657.D
Acq: 22 Mar 2016 9:53

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	345687		
94	9.4	5.4	8.0#	
80	9.3	5.5	8.3#	





#70

Phenanthrene

Concen: 27.72 ng

RT: 11.39 min Scan# 796

Delta R.T. -0.02 min

Lab File: BF085657.D

Acq: 22 Mar 2016 9:53

Instrument :

BNA_F

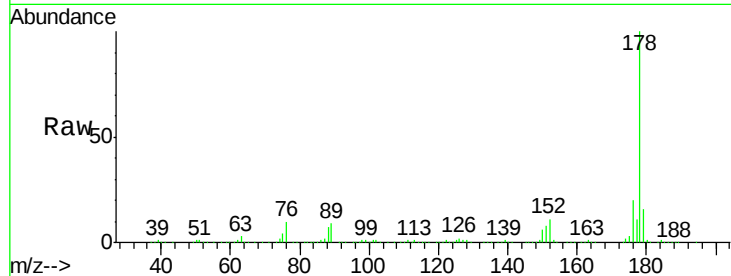
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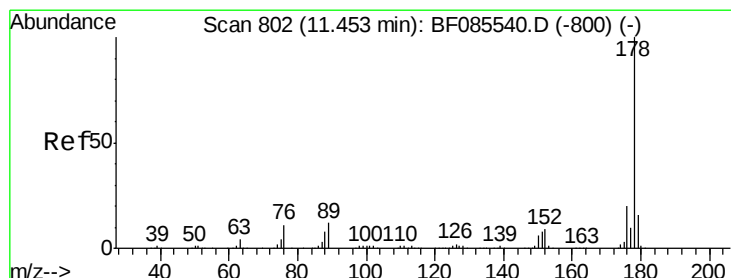
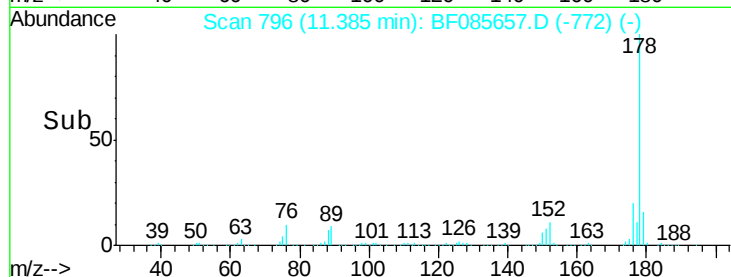
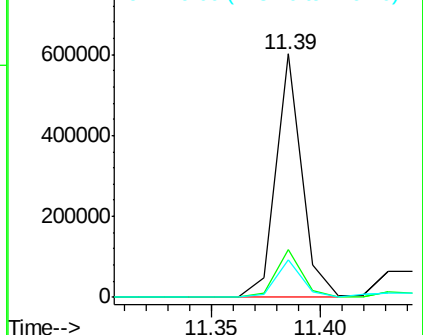
Tgt Ion:	178	Resp:	505199
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.3	24.5
179	15.6	12.6	18.8

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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



#71

Anthracene

Concen: 5.23 ng

RT: 11.43 min Scan# 800

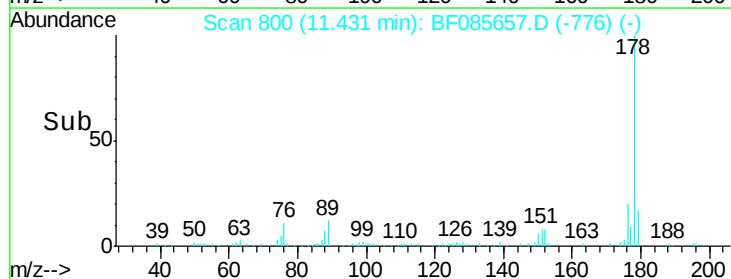
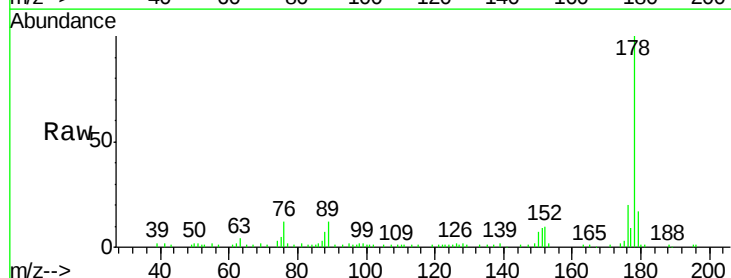
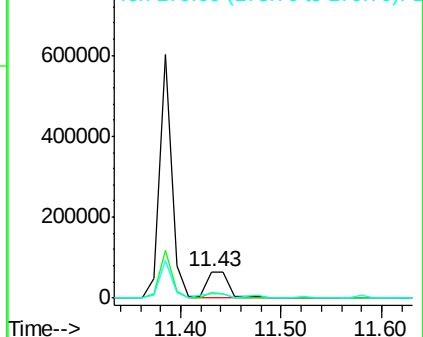
Delta R.T. -0.02 min

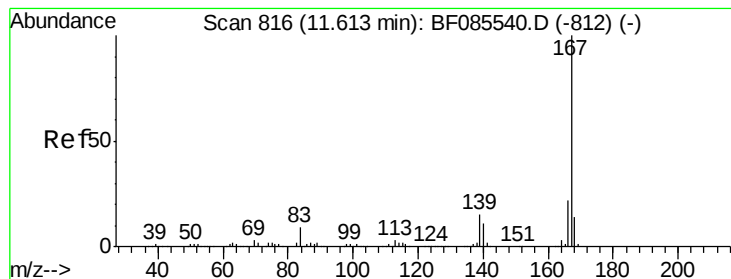
Lab File: BF085657.D

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Tgt Ion:	178	Resp:	99902
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.9	23.9
179	17.1	13.0	19.4

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





#72

Carbazole

Concen: 2.63 ng

RT: 11.59 min Scan# 814

Delta R.T. -0.02 min

Lab File: BF085657.D

Acq: 22 Mar 2016 9:53

Instrument :

BNA_F

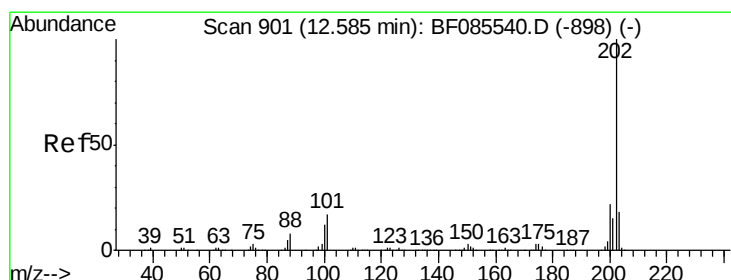
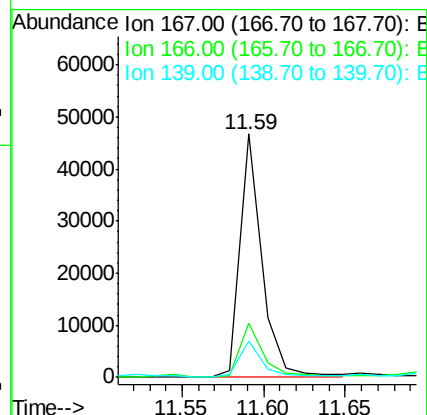
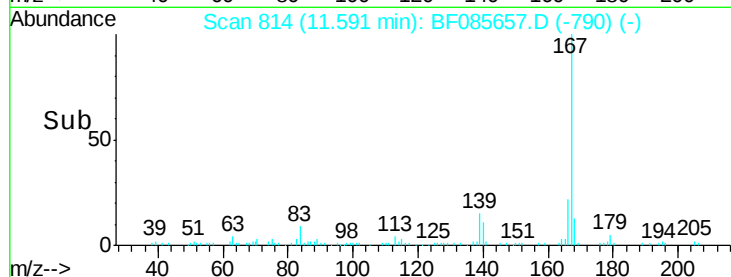
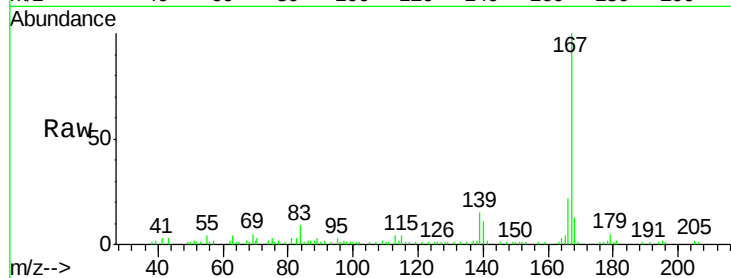
ClientSampleId :

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Tgt Ion:	167	Resp:	43357
Ion Ratio		Lower	Upper
167	100		
166	22.1	17.8	26.8
139	14.7	11.6	17.4

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#74

Fluoranthene

Concen: 30.18 ng

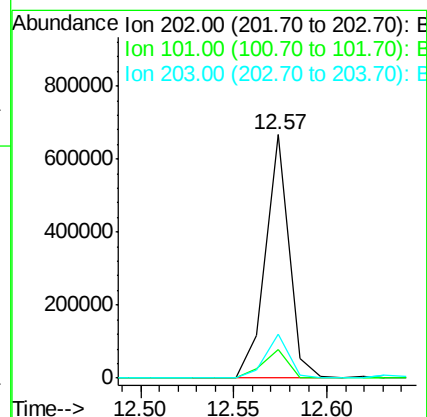
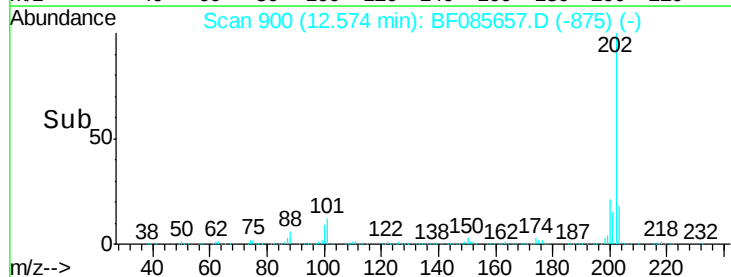
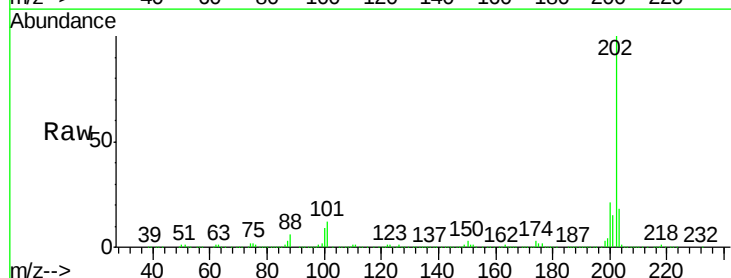
RT: 12.57 min Scan# 900

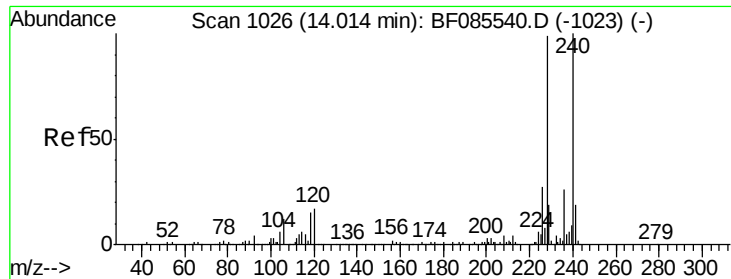
Delta R.T. -0.01 min

Lab File: BF085657.D

Acq: 22 Mar 2016 9:53

Tgt Ion:	202	Resp:	576009
Ion Ratio		Lower	Upper
202	100		
101	11.8	0.0	36.6
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085657.D

Acq: 22 Mar 2016 9:53

Instrument :

BNA_F

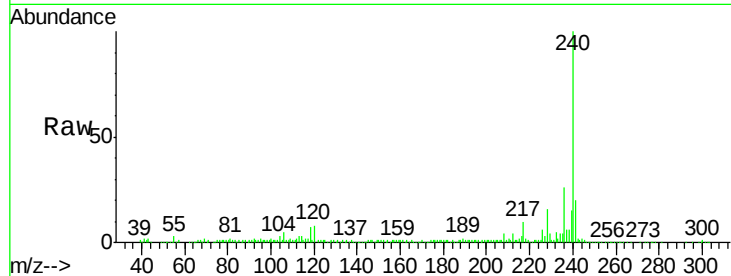
ClientSampleId :

SB-07-COMPDL

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		272332		
120	8.2	13.8	20.8#		
236	26.2	20.6	30.8		

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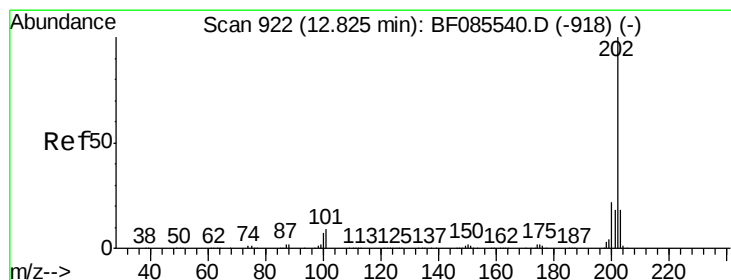
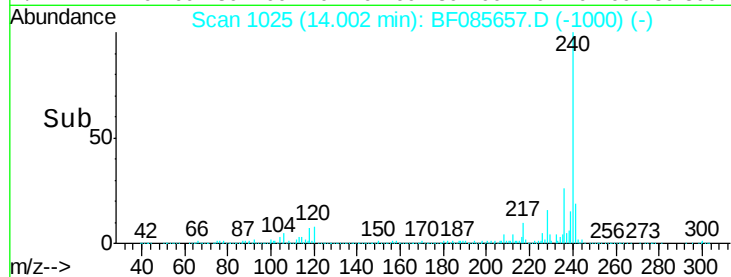
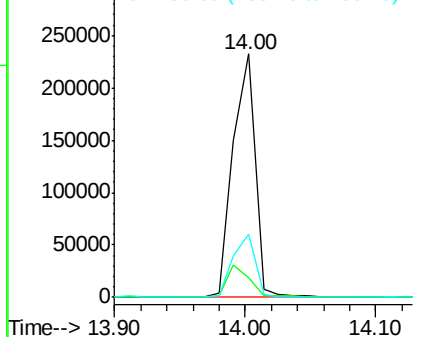


Abundance

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: 26.99 ng

RT: 12.80 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF085657.D

Acq: 22 Mar 2016 9:53

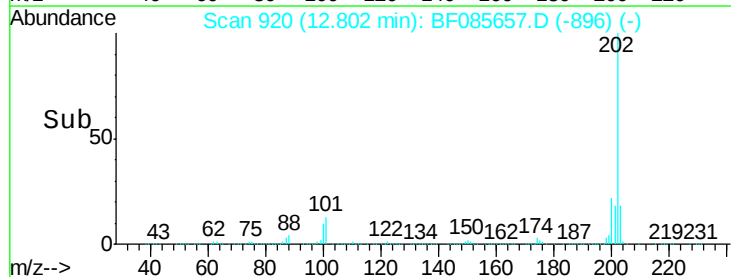
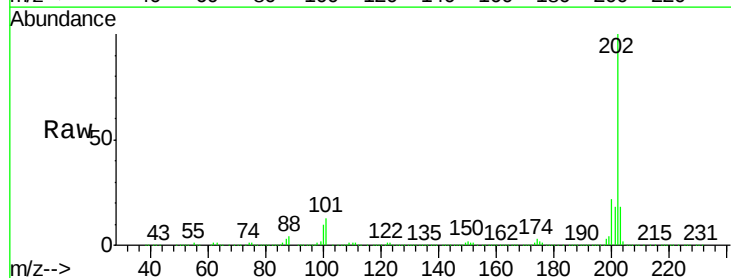
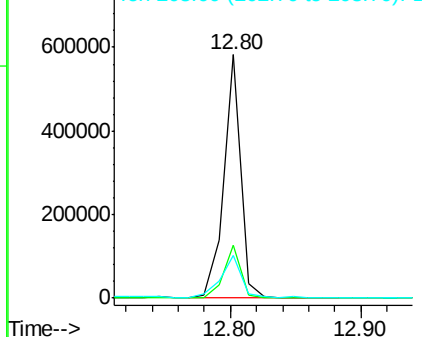
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		527856		
200	21.8	17.6	26.4		
203	17.7	14.0	21.0		

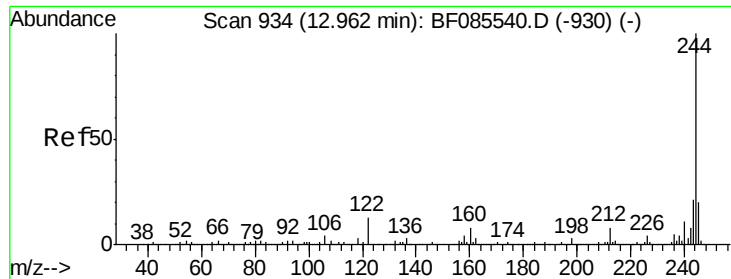
Abundance

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





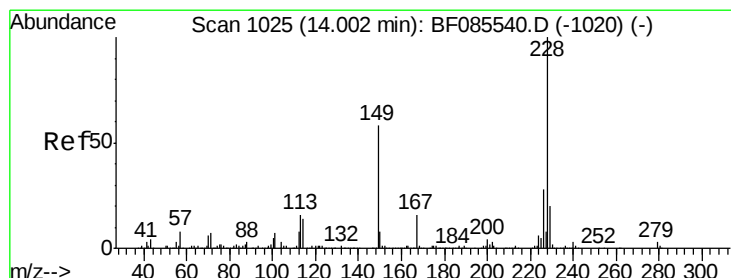
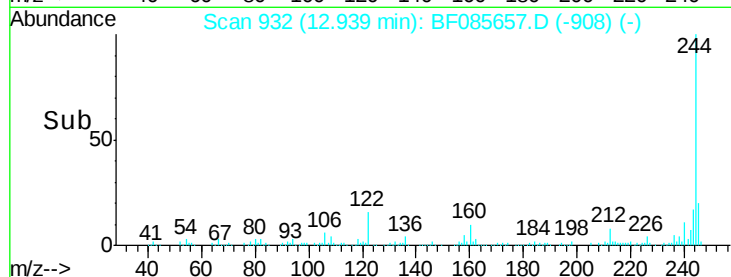
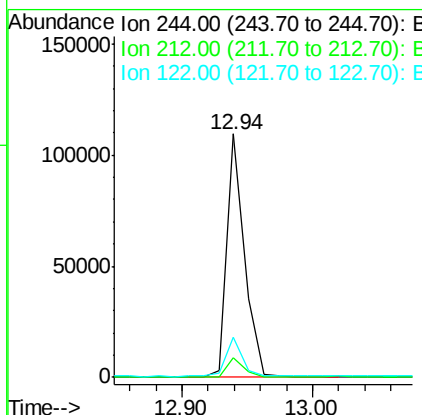
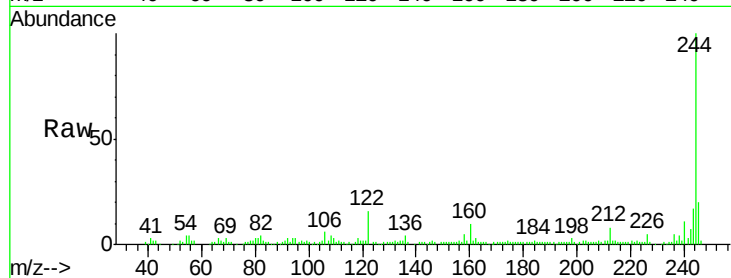
#78
 Terphenyl-d14
 Concen: 9.12 ng
 RT: 12.94 min Scan# 932
 Delta R.T. -0.02 min
 Lab File: BF085657.D
 Acq: 22 Mar 2016 9:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMPDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.0	6.1	9.1
122	16.4	10.2	15.4

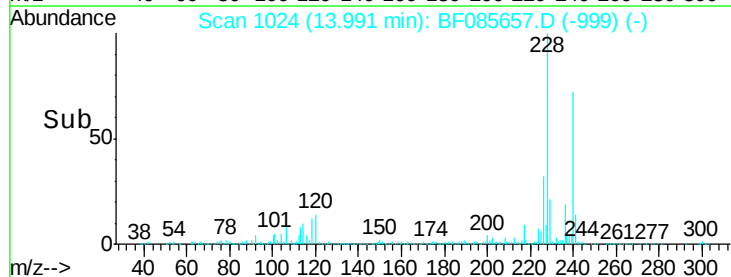
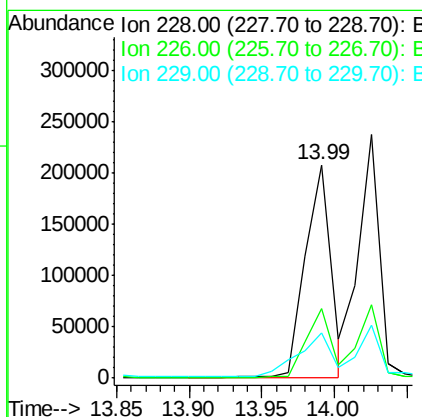
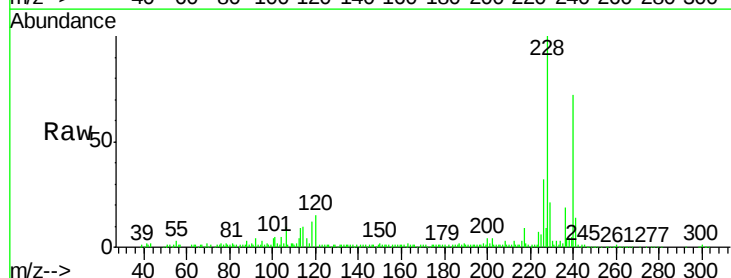
Manual Integrations
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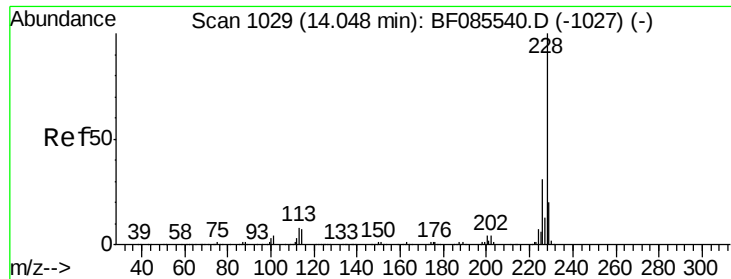
Sohil
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#80
 Benzo(a)anthracene
 Concen: 16.06 ng
 RT: 13.99 min Scan# 1024
 Delta R.T. -0.01 min
 Lab File: BF085657.D
 Acq: 22 Mar 2016 9:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	32.4	22.1	33.1
229	21.1	16.2	24.4





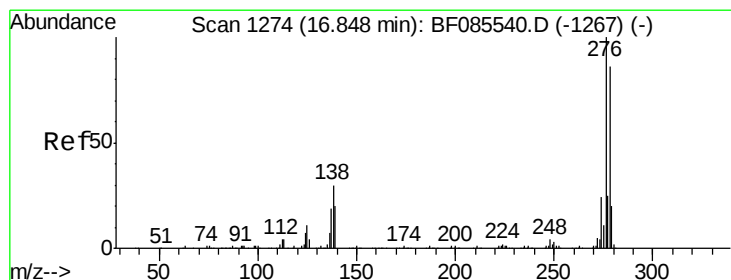
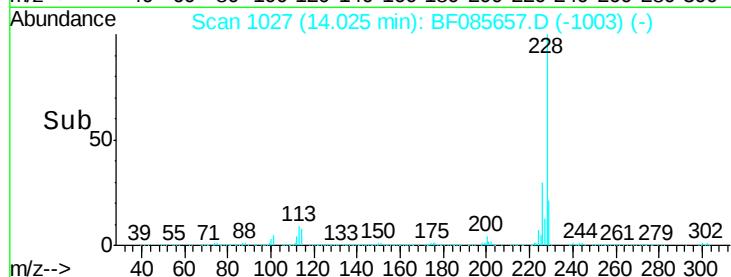
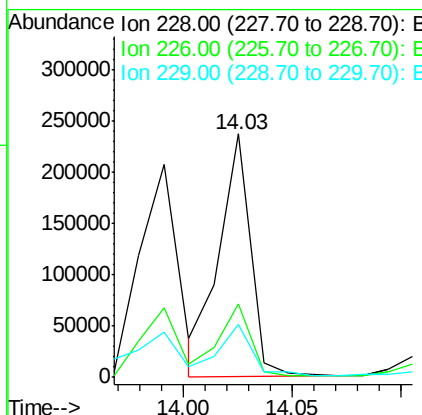
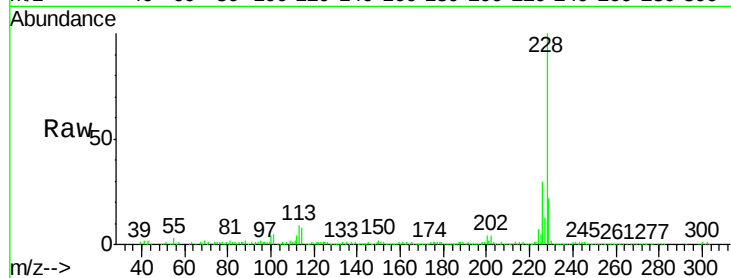
#82
Chrysene
Concen: 15.51 ng
RT: 14.03 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BF085657.D
Acq: 22 Mar 2016 9:53

Instrument :
BNA_F
ClientSampleId :
SB-07-COMPDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.4	25.0	37.6
229	21.8	15.7	23.5

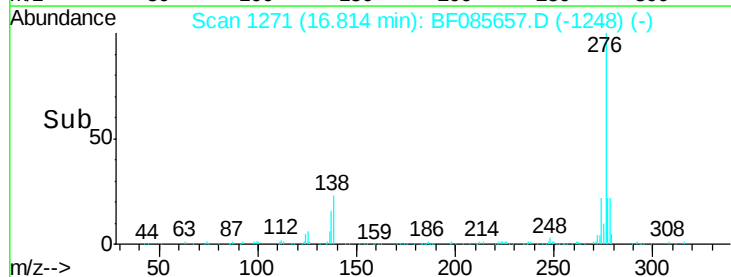
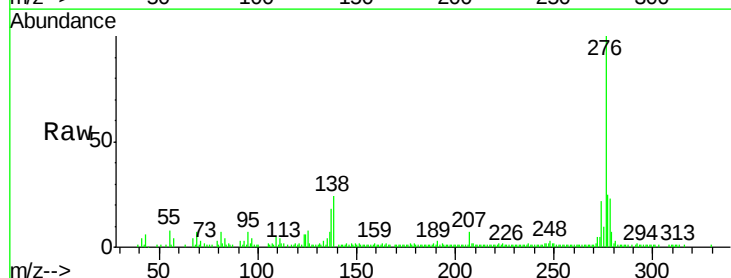
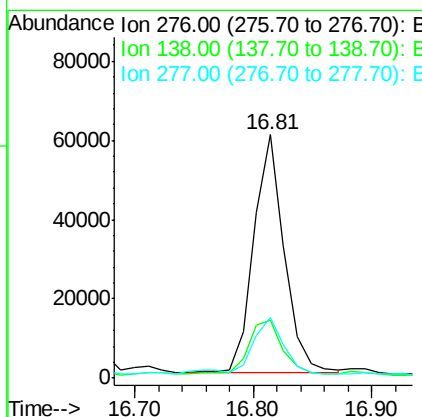
Manual Integrations
APPROVED

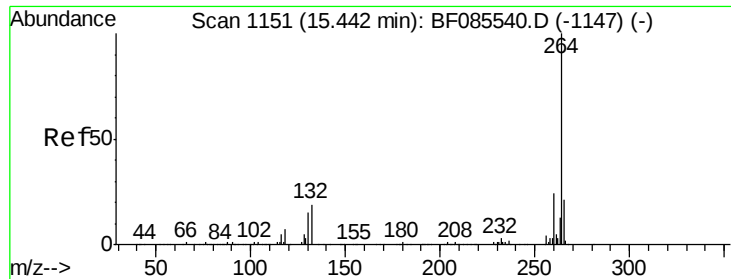
Sohil
3/22/2016 5:34:48 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 8.50 ng
RT: 16.81 min Scan# 1271
Delta R.T. -0.03 min
Lab File: BF085657.D
Acq: 22 Mar 2016 9:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.7	24.2	36.4
277	27.1	20.0	30.0





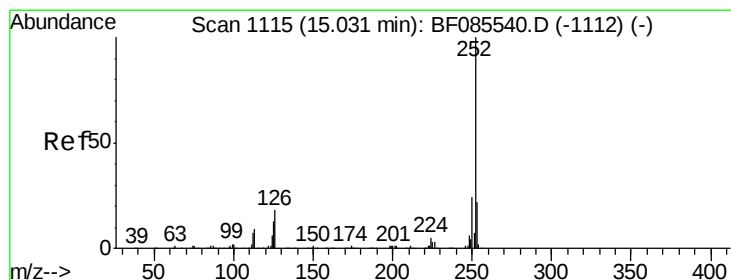
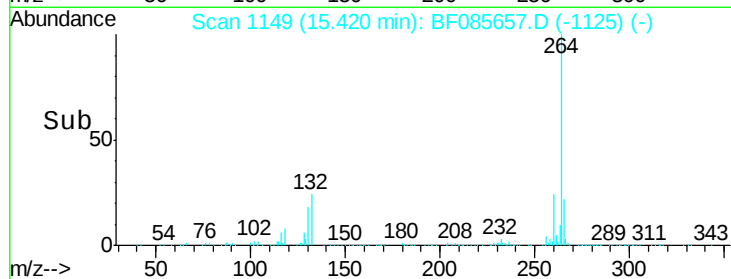
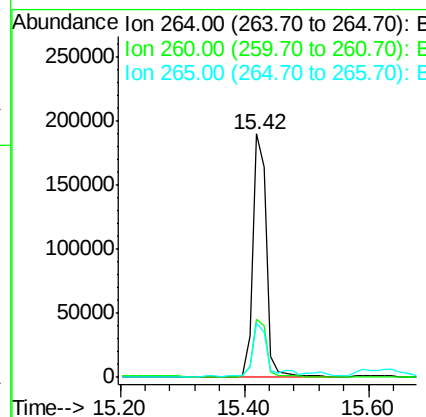
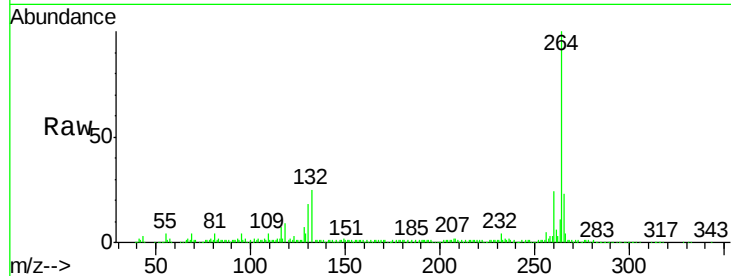
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF085657.D
Acq: 22 Mar 2016 9:53

Instrument :
BNA_F
ClientSampled :
SB-07-COMPDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.0	19.4	29.2
265	22.5	17.2	25.8

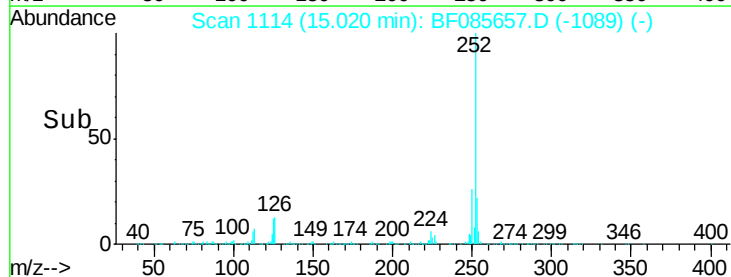
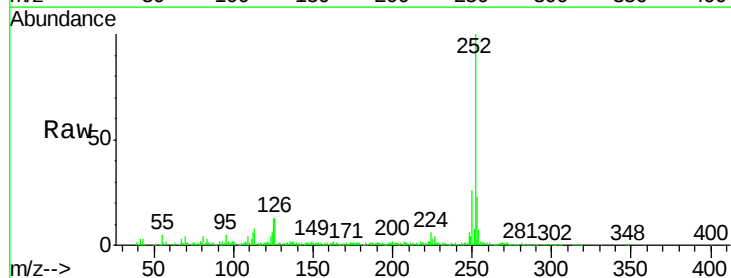
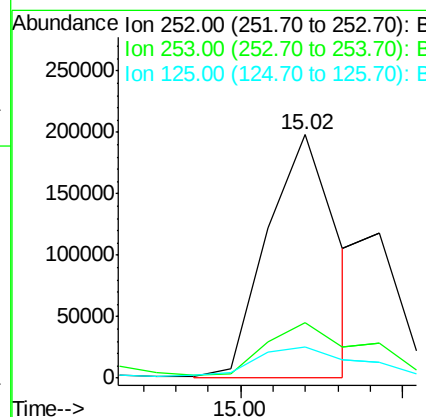
Manual Integrations
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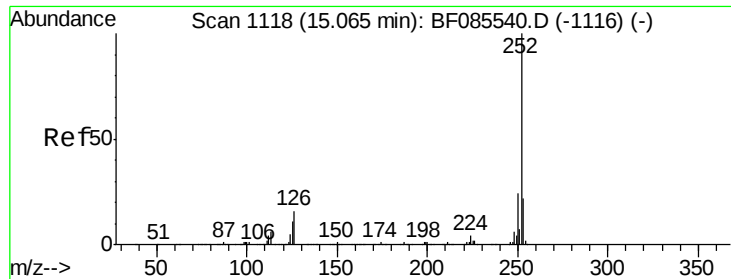
Sohil
3/22/2016 5:34:48 PM



#87
Benzo(b)fluoranthene
Concen: 15.92 ng m
RT: 15.02 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF085657.D
Acq: 22 Mar 2016 9:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.9	17.6	26.4
125	12.9	10.3	15.5





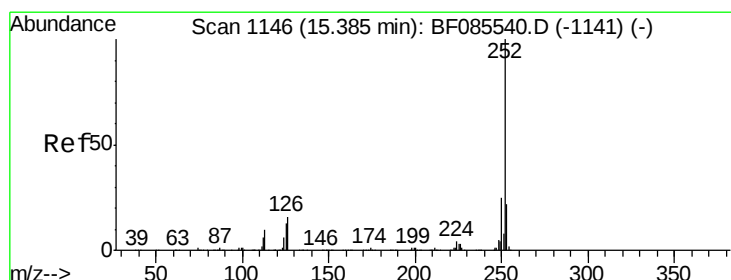
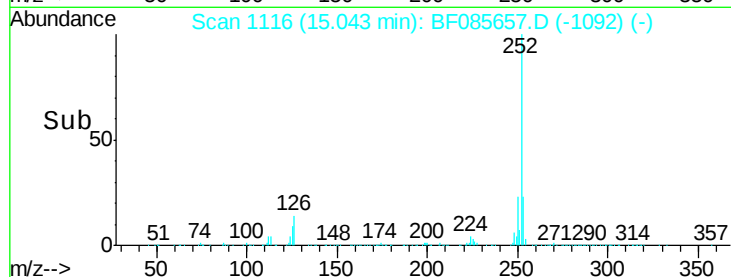
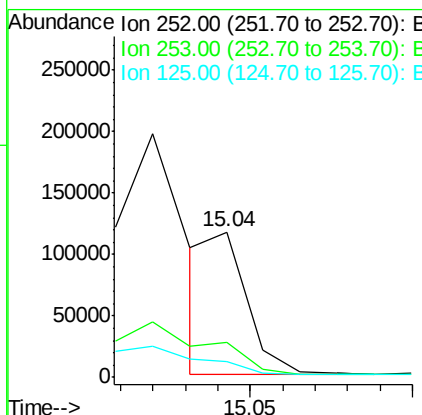
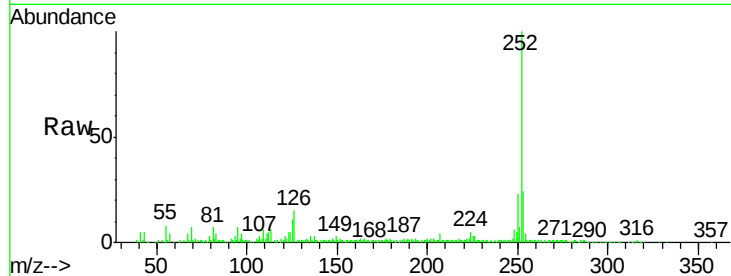
#88
Benzo(k)fluoranthene
Concen: 6.13 ng m
RT: 15.04 min Scan# 1116
Delta R.T. -0.02 min
Lab File: BF085657.D
Acq: 22 Mar 2016 9:53

Instrument :
BNA_F
ClientSampleId :
SB-07-COMPDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	11.2	7.7	11.5

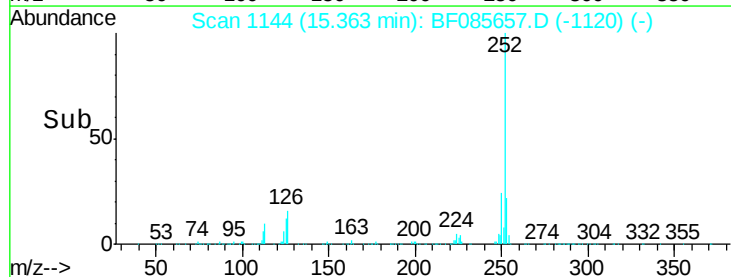
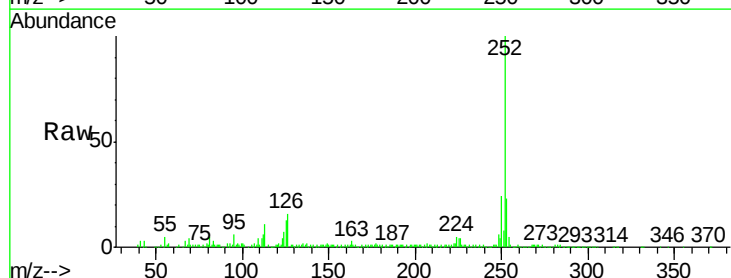
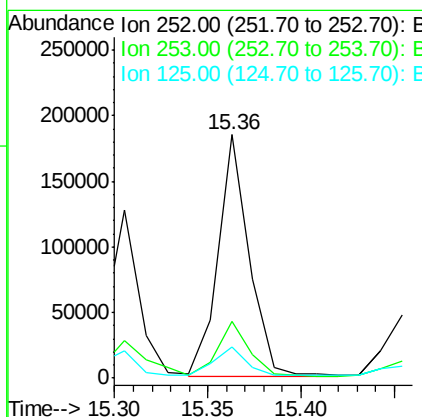
Manual Integrations
APPROVED

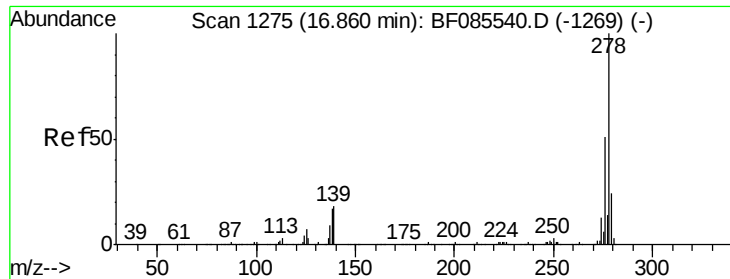
Sohil
3/22/2016 5:34:48 PM



#89
Benzo(a)pyrene
Concen: 13.59 ng
RT: 15.36 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF085657.D
Acq: 22 Mar 2016 9:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	13.0	10.3	15.5





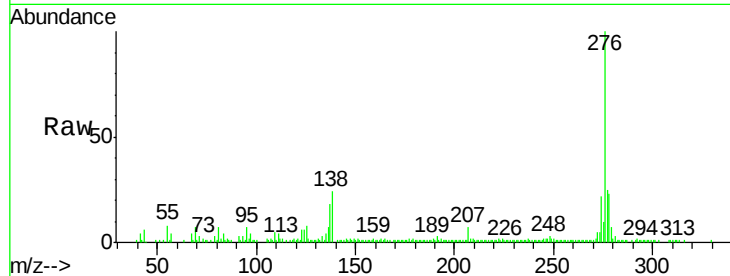
#90
Dibenzo(a,h)anthracene
Concen: 2.49 ng
RT: 16.81 min Scan# 1271
Delta R.T. -0.05 min
Lab File: BF085657.D
Acq: 22 Mar 2016 9:53

Instrument :
BNA_F
ClientSampleId :
SB-07-COMPDL

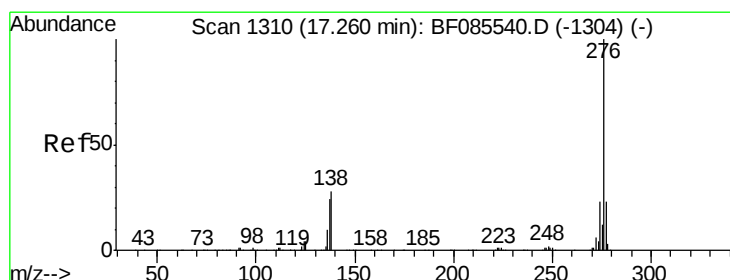
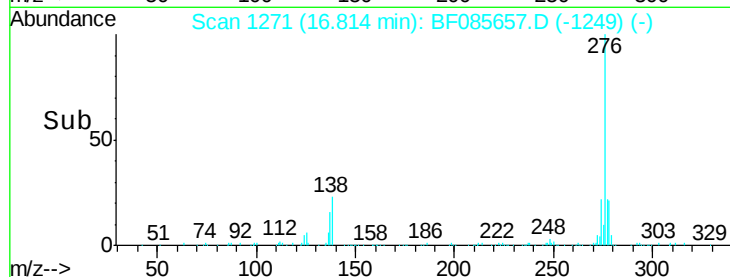
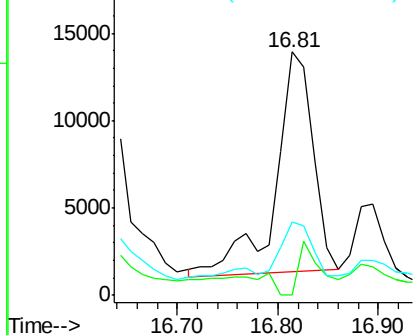
Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.4	21.6#
279	29.9	19.1	28.7#

Manual Integrations
APPROVED

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3/22/2016 5:34:48 PM

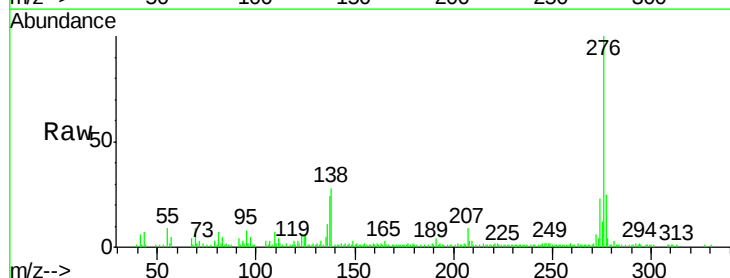


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 7.86 ng
RT: 17.23 min Scan# 1307
Delta R.T. -0.03 min
Lab File: BF085657.D
Acq: 22 Mar 2016 9:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.8	28.2
138	27.9	22.6	34.0



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

