

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085656.D
 Acq On : 22 Mar 2016 9:25
 Operator : UM/SJ
 Sample : H1815-02DL 10X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMPDL

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Quant Time: Mar 22 11:44:48 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	124621m	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	540953	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	214062	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	333597	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	254210	20.00	ng	-0.02
86) Perylene-d12	15.42	264	272043	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	84425	11.38	ng	-0.02
7) Phenol-d6	6.47	99	106363	11.18	ng	-0.02
23) Nitrobenzene-d5	7.41	82	62955	6.76	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	14203	6.77	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	107391	5.69	ng	-0.02
78) Terphenyl-d14	12.94	244	50070	4.74	ng	-0.02
Target Compounds						
51) Acenaphthene	9.91	154	29665	2.17	ng	99
70) Phenanthrene	11.38	178	387127	22.01	ng	99
71) Anthracene	11.43	178	84062	4.56	ng	98
74) Fluoranthene	12.57	202	404638	21.97	ng	93
77) Pyrene	12.80	202	385930	21.14	ng	99
80) Benzo(a)anthracene	13.99	228	177345	12.02	ng	97
82) Chrysene	14.03	228	145004m	10.21	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	75009	6.32	ng	93
87) Benzo(b)fluoranthene	15.01	252	210145m	11.84	ng	
88) Benzo(k)fluoranthene	15.03	252	41980m	2.87	ng	
89) Benzo(a)pyrene	15.36	252	144842	9.62	ng	96
91) Benzo(g,h,i)perylene	17.23	276	69181	5.69	ng	95

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

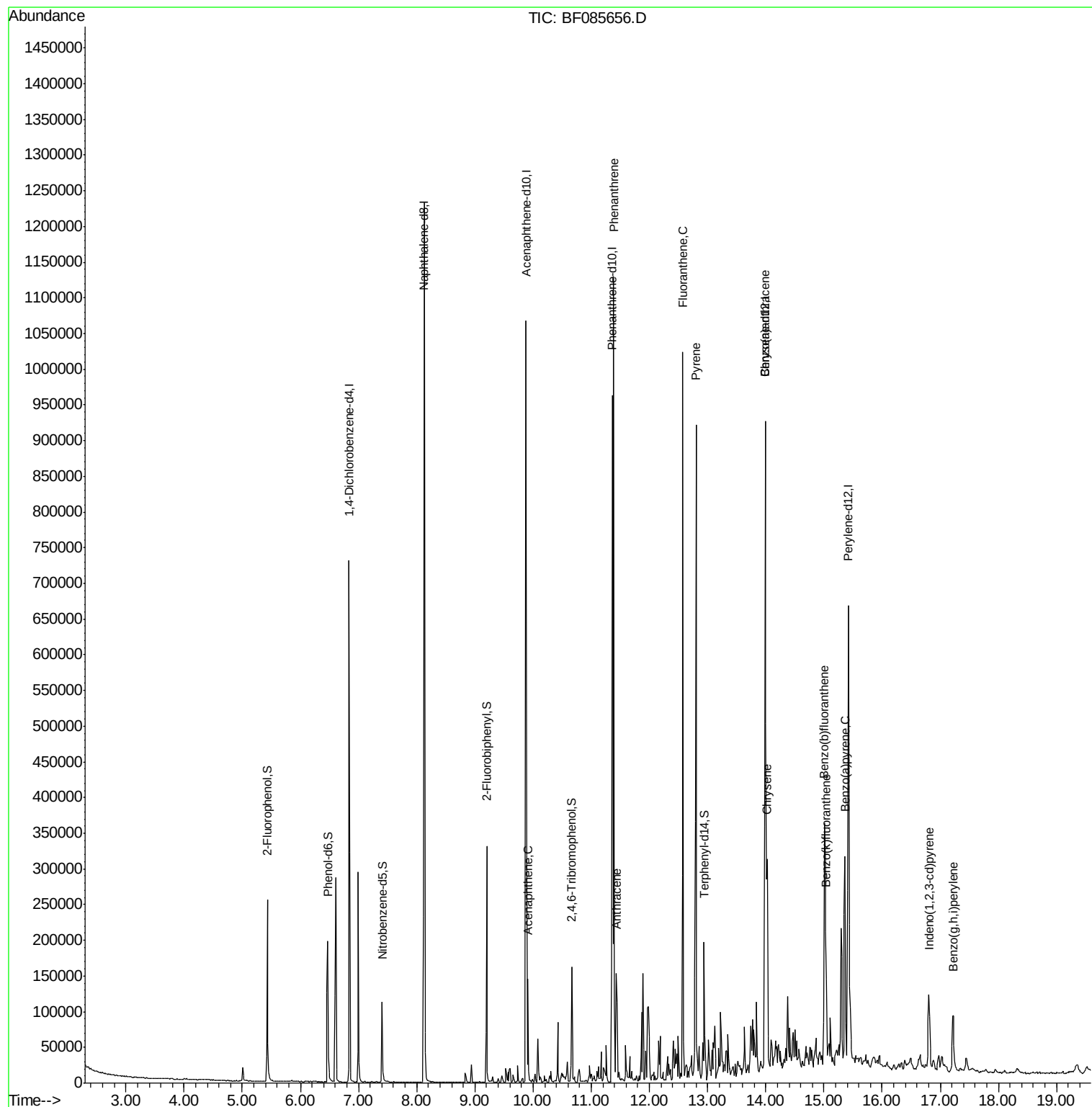
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085656.D
Acq On : 22 Mar 2016 9:25
Operator : UM/SJ
Sample : H1815-02DL 10X
Misc :
ALS Vial : 39 Sample Multiplier: 1

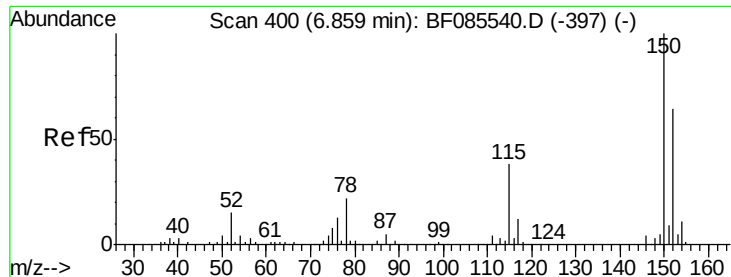
Instrument :
BNA_F
ClientSampleId :
SB-08-COMPD

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Quant Time: Mar 22 11:44:48 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
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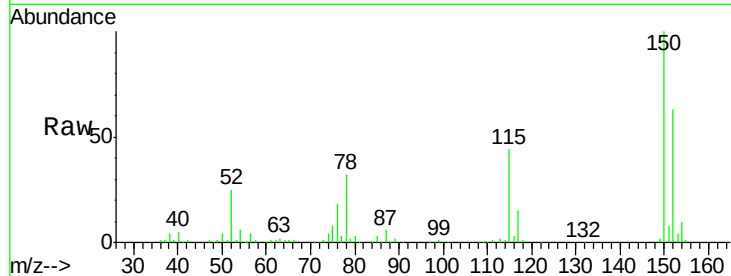




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.84 min Scan# 398
Delta R.T. -0.02 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

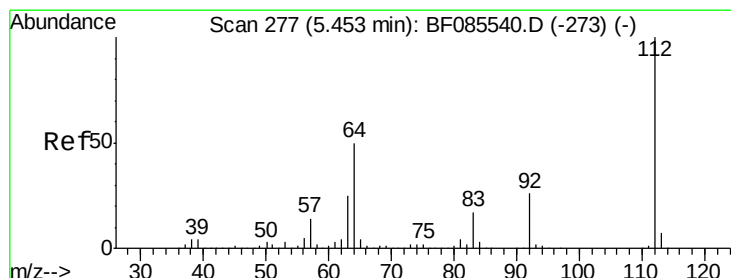
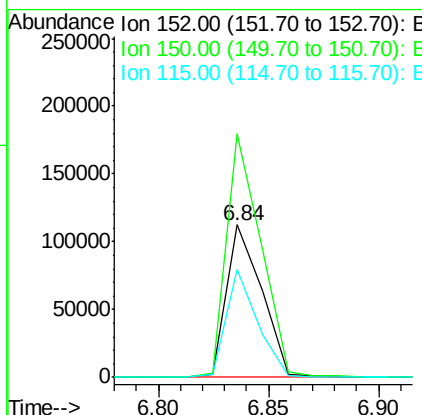
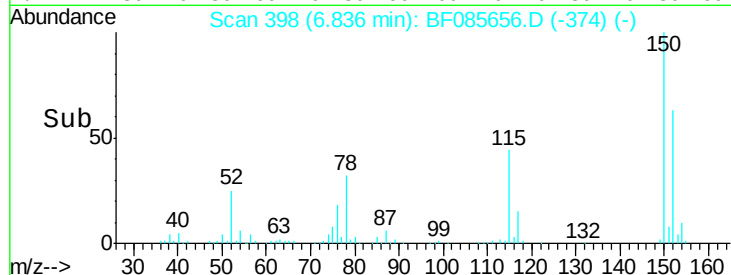
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	124621		
150	159.8	124.2	186.2	
115	70.7	47.0	70.6	

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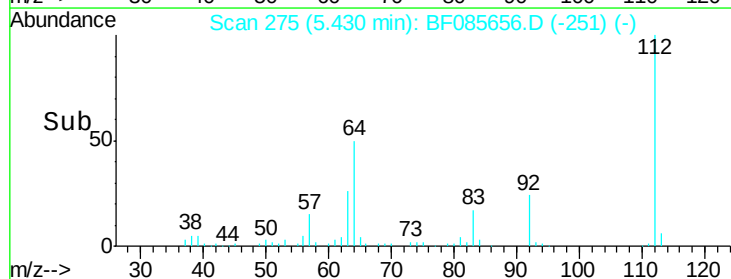
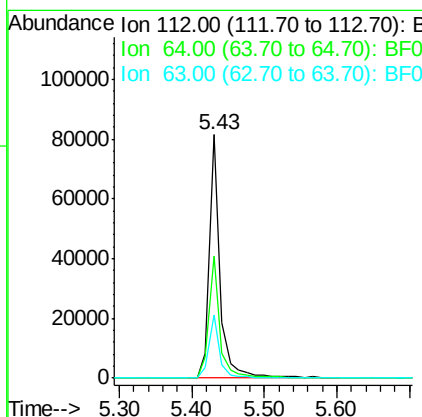
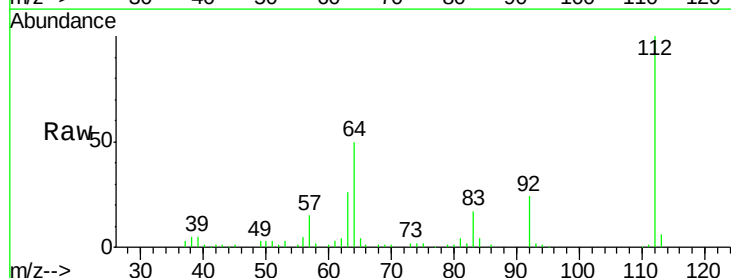
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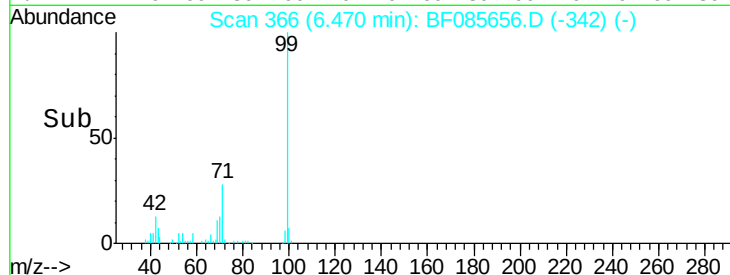
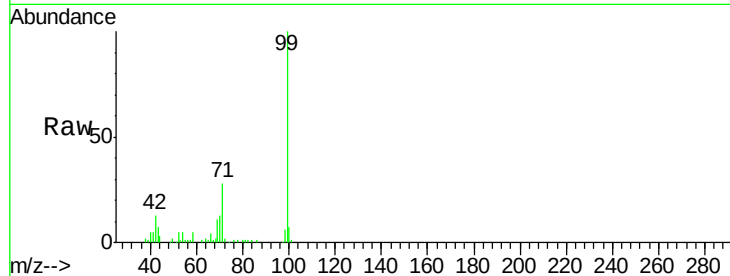
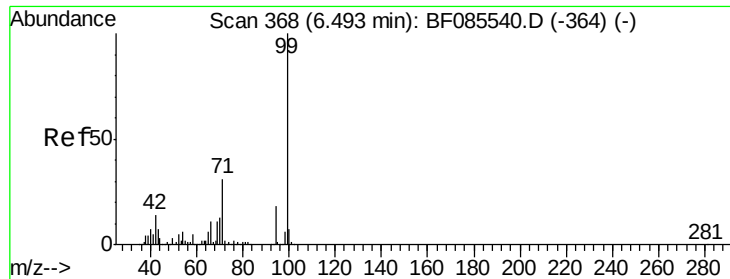


#5

2-Fluorophenol
Concen: 11.38 ng
RT: 5.43 min Scan# 275
Delta R.T. -0.02 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	84425		
64	50.2	39.9	59.9	
63	25.8	20.2	30.2	





#7

Phenol-d6

Concen: 11.18 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		106363		
42	13.3	11.1	16.7		
71	28.0	24.9	37.3		

Instrument :

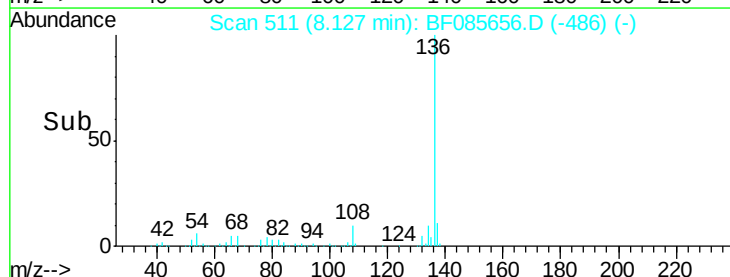
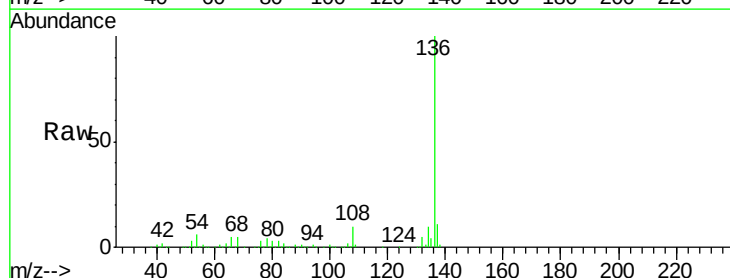
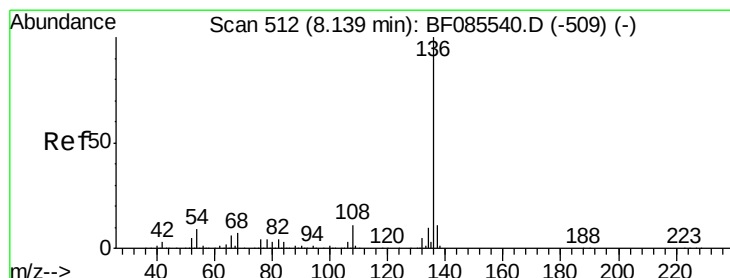
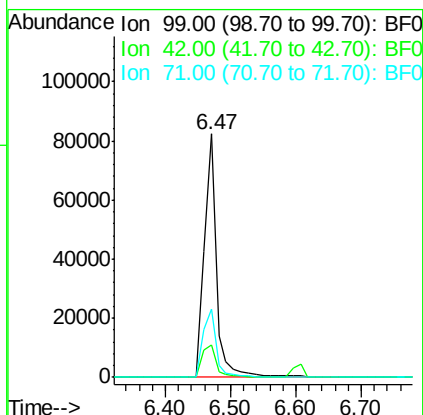
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.00 ng

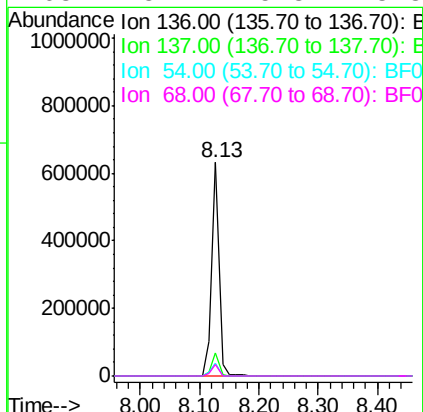
RT: 8.13 min Scan# 511

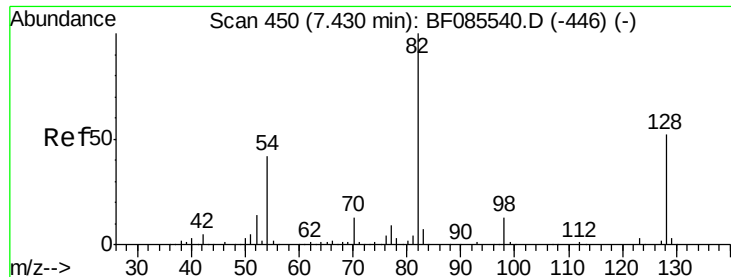
Delta R.T. -0.01 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		540953		
137	11.0	9.1	13.7		
54	6.3	7.4	11.0#		
68	5.4	5.8	8.8#		





#23

Nitrobenzene-d5

Concen: 6.76 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF085656.D

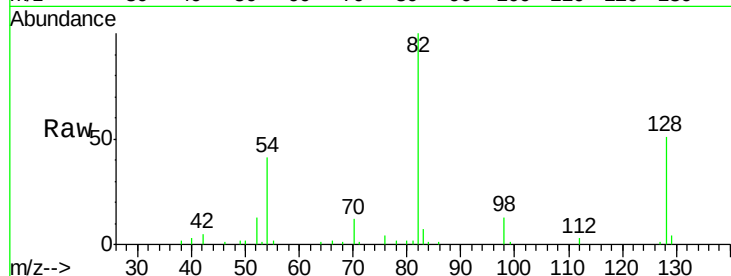
Acq: 22 Mar 2016 9:25

Instrument :

BNA_F

ClientSampled :

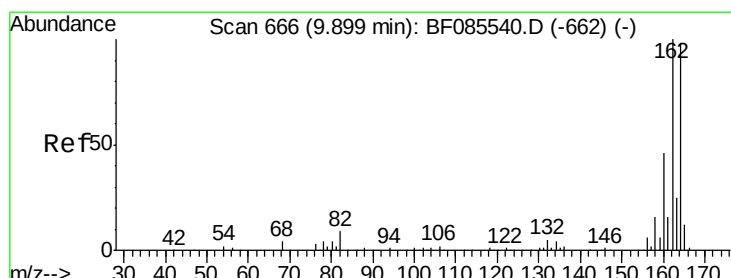
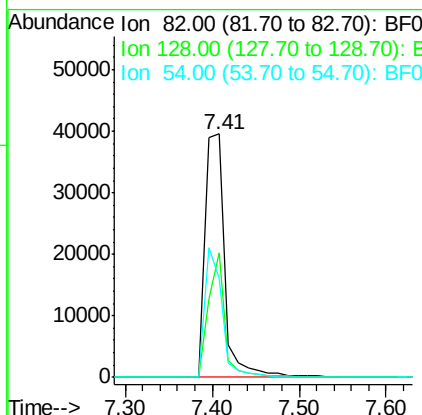
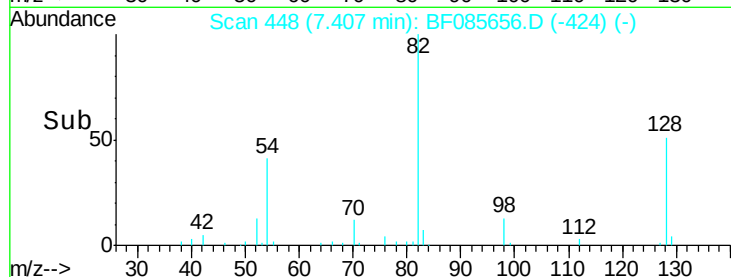
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.0	41.8	62.8
54	40.5	33.4	50.0

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#38

Acenaphthene-d10

Concen: 20.00 ng

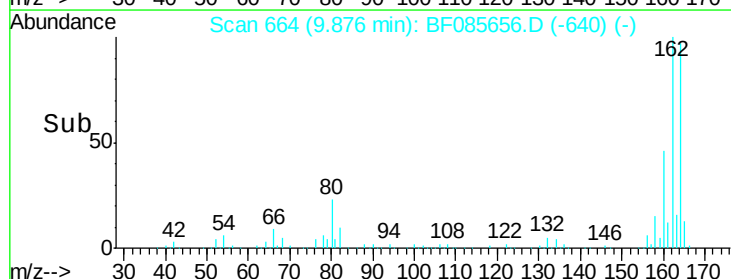
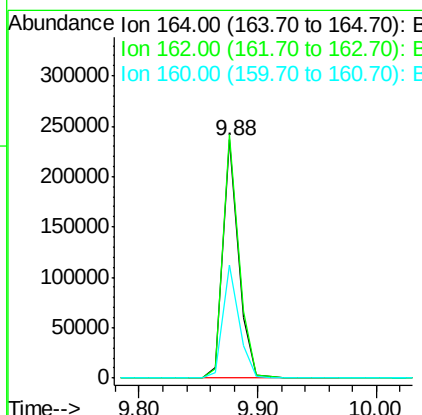
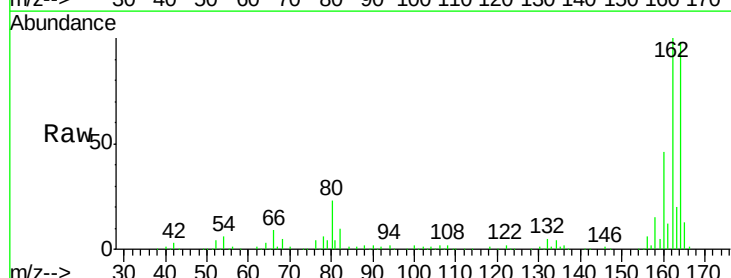
RT: 9.88 min Scan# 664

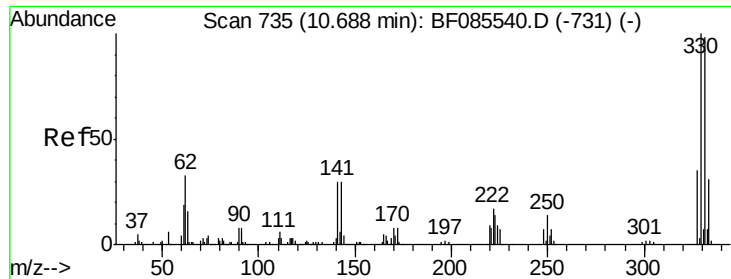
Delta R.T. -0.02 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.1	123.1
160	47.4	37.4	56.2





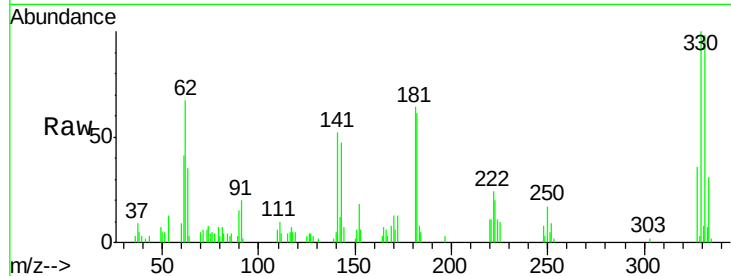
#41
 2,4,6-Tribromophenol
 Concen: 6.77 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: BF085656.D
 Acq: 22 Mar 2016 9:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMPDL

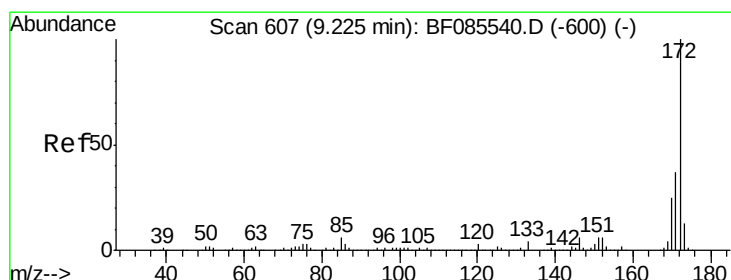
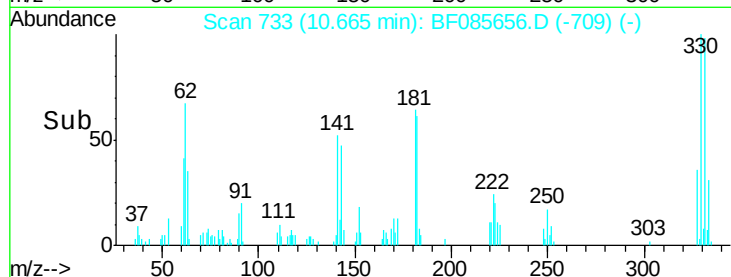
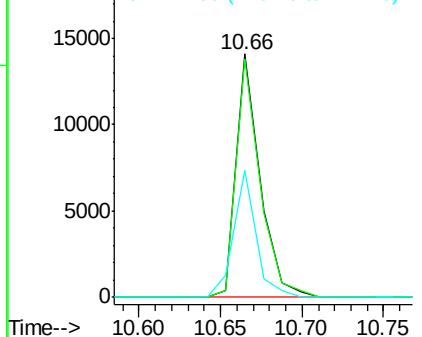
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	14203		
332	98.2	78.2	117.2	
141	49.0	31.5	47.3#	

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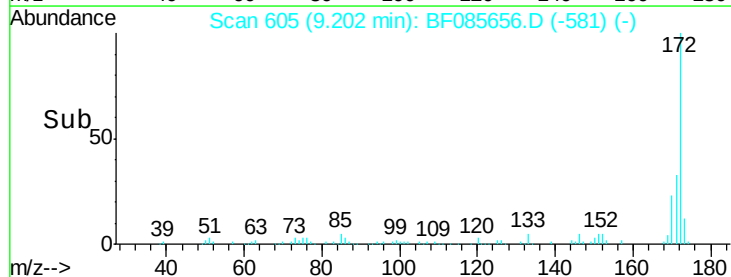
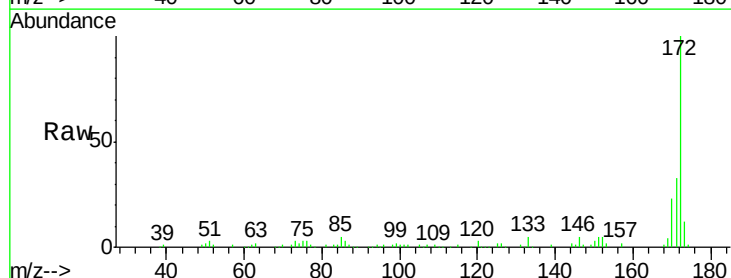
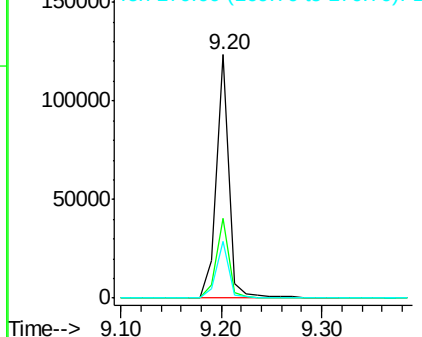
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

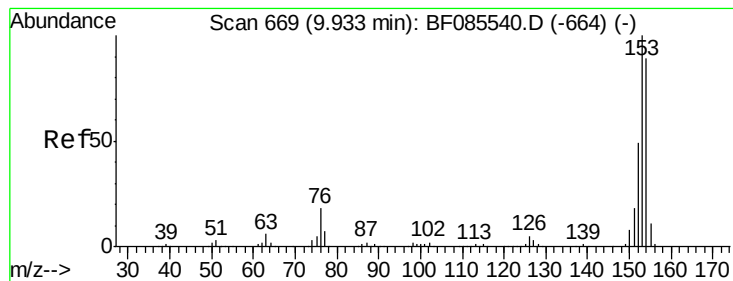


#44
 2-Fluorobiphenyl
 Concen: 5.69 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.02 min
 Lab File: BF085656.D
 Acq: 22 Mar 2016 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	107391		
171	32.9	29.4	44.2	
170	23.2	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





#51

Acenaphthene

Concen: 2.17 ng

RT: 9.91 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF085656.D

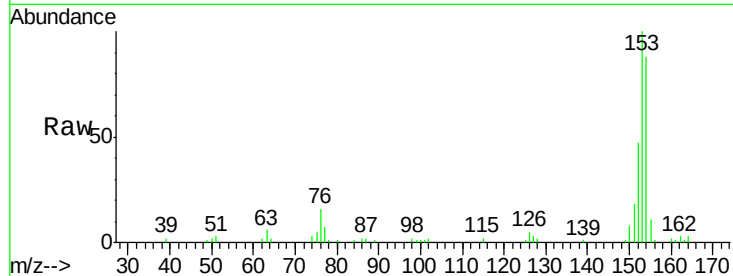
Acq: 22 Mar 2016 9:25

Instrument :

BNA_F

ClientSampled :

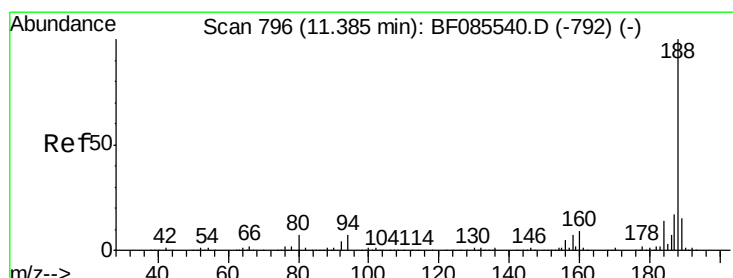
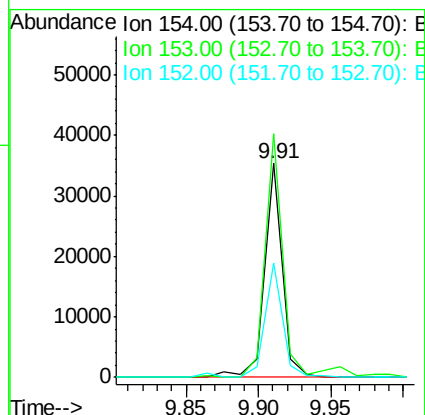
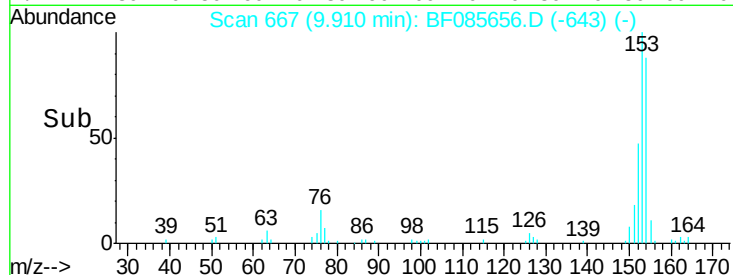
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Tgt Ion:	154	Resp:	29665
Ion Ratio	Lower	Upper	
154	100		
153	113.7	90.1	135.1
152	53.6	44.2	66.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

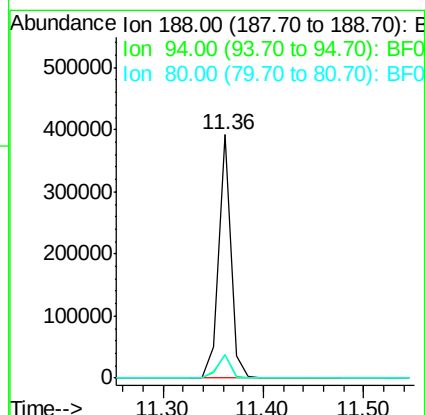
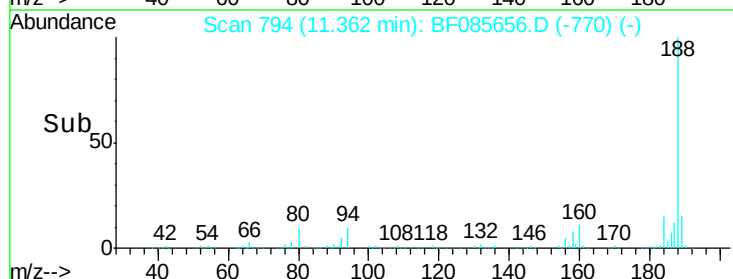
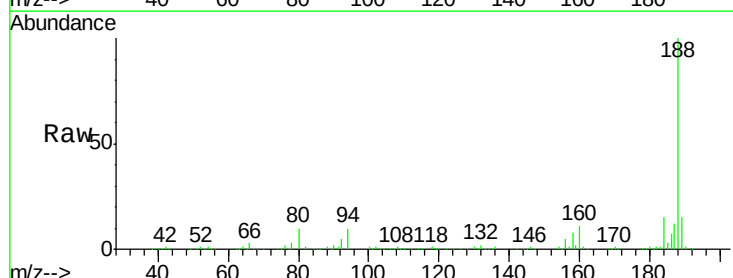
RT: 11.36 min Scan# 794

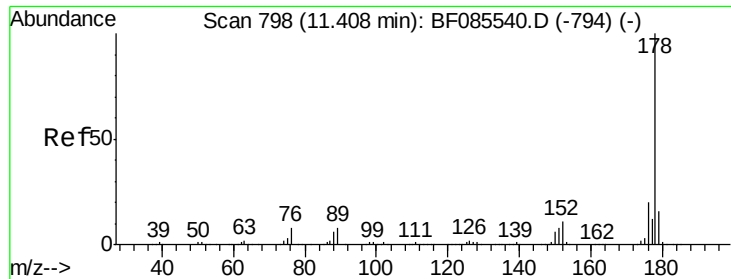
Delta R.T. -0.02 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Tgt Ion:	188	Resp:	333597
Ion Ratio	Lower	Upper	
188	100		
94	9.6	5.4	8.0#
80	9.8	5.5	8.3#





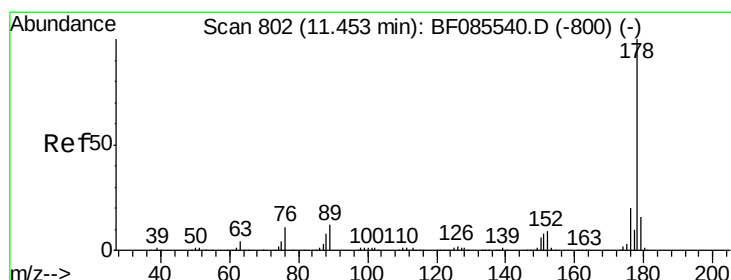
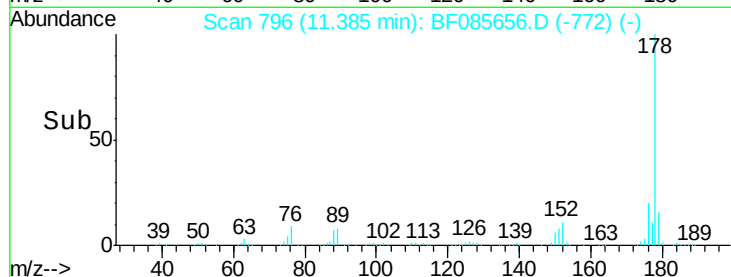
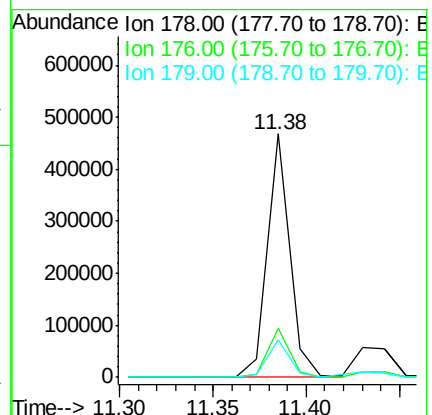
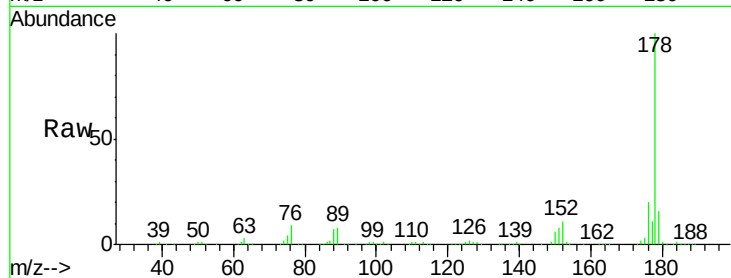
#70
Phenanthrene
Concen: 22.01 ng
RT: 11.38 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

Instrument :
BNA_F
ClientSampleId :
SB-08-COMPDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.3	24.5
179	15.6	12.6	18.8

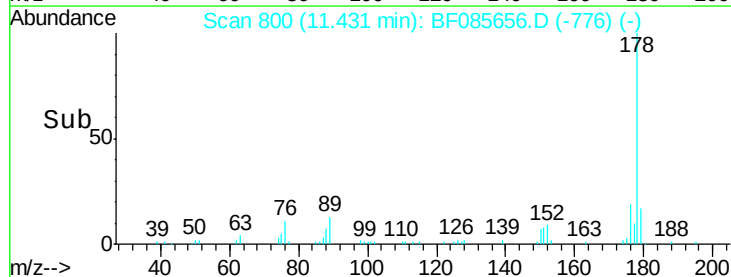
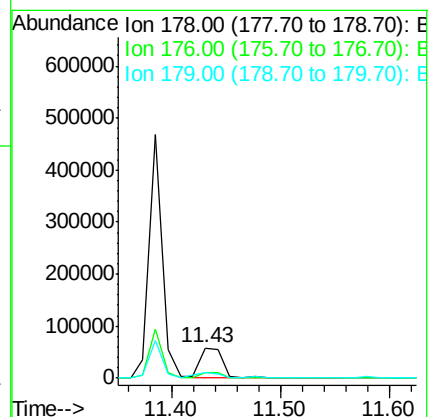
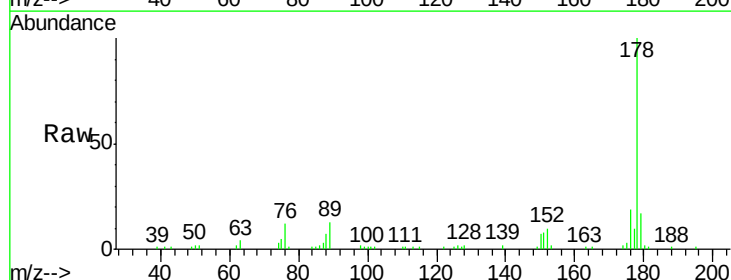
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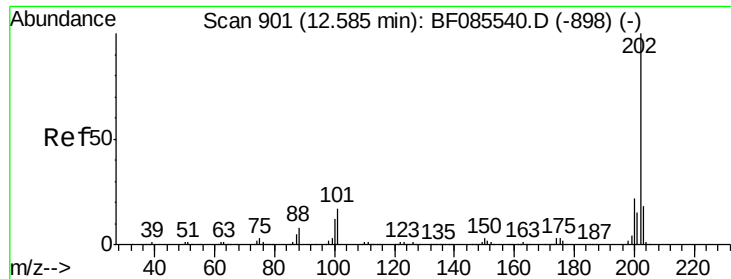
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#71
Anthracene
Concen: 4.56 ng
RT: 11.43 min Scan# 800
Delta R.T. -0.02 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	17.0	13.0	19.4





#74

Fluoranthene

Concen: 21.97 ng

RT: 12.57 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Instrument :

BNA_F

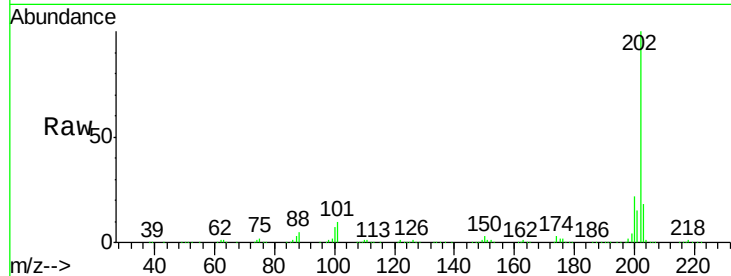
ClientSampleId :

SB-08-COMPDL

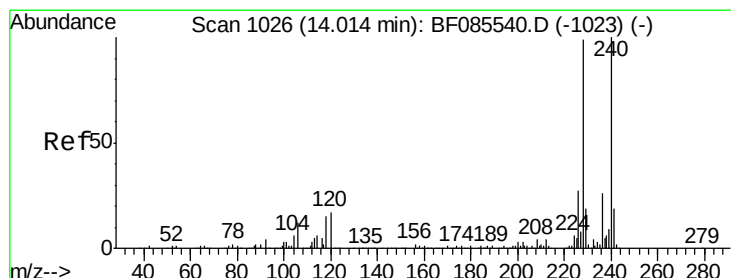
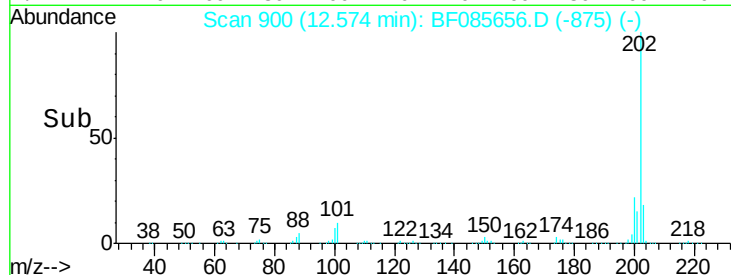
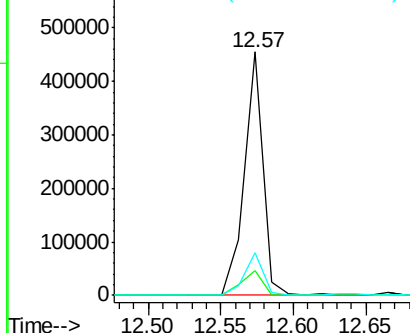
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		404638		
101	10.3	0.0	36.6		
203	17.8	0.0	38.1		

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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

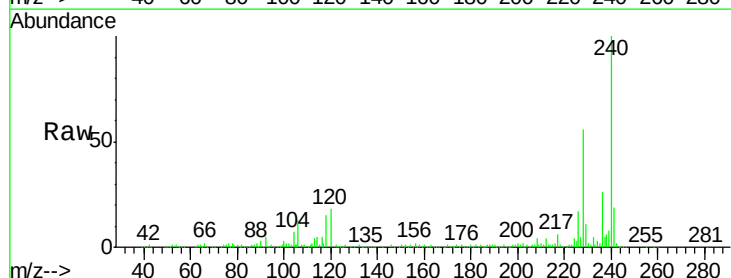
RT: 13.99 min Scan# 1024

Delta R.T. -0.02 min

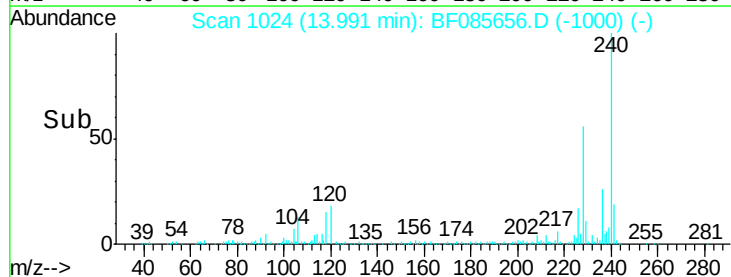
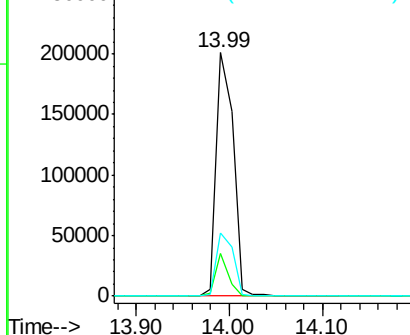
Lab File: BF085656.D

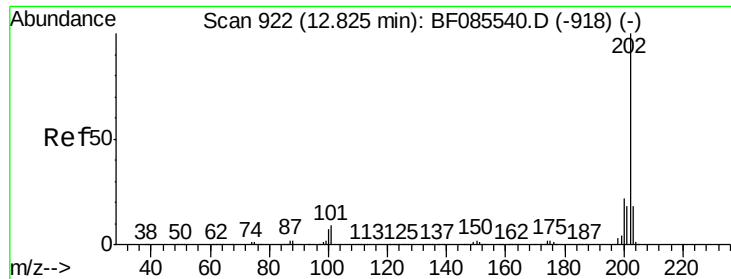
Acq: 22 Mar 2016 9:25

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		254210		
120	17.5	13.8	20.8		
236	26.2	20.6	30.8		



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: 21.14 ng

RT: 12.80 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Instrument :

BNA_F

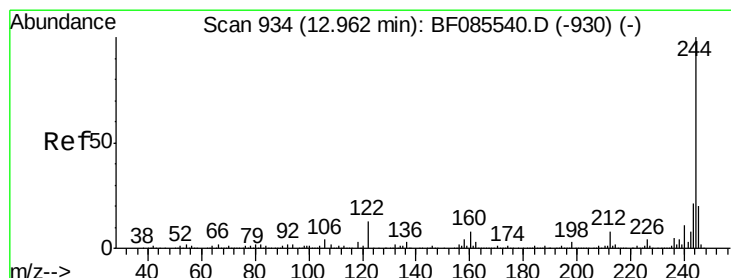
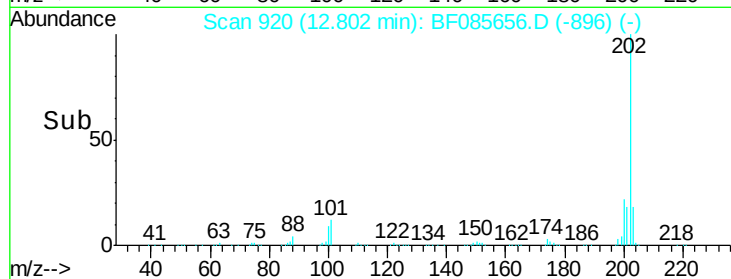
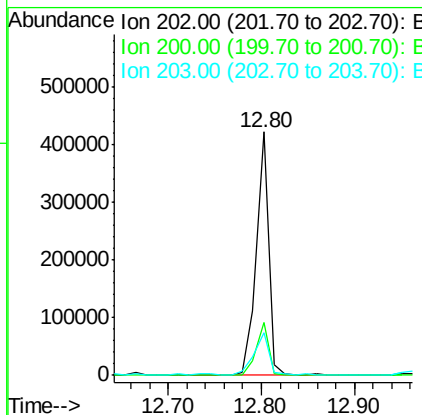
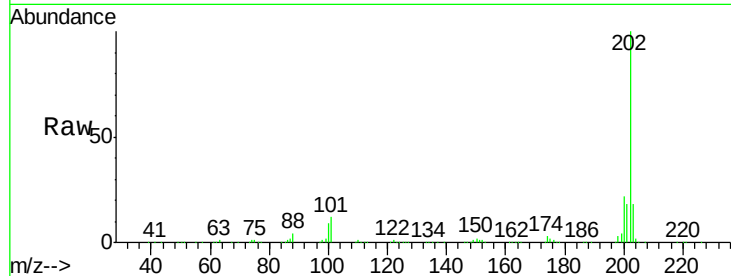
ClientSampleId :

SB-08-COMPDL

Tgt Ion:	202	Resp:	385930
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.6	26.4
203	17.6	14.0	21.0

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#78

Terphenyl-d14

Concen: 4.74 ng

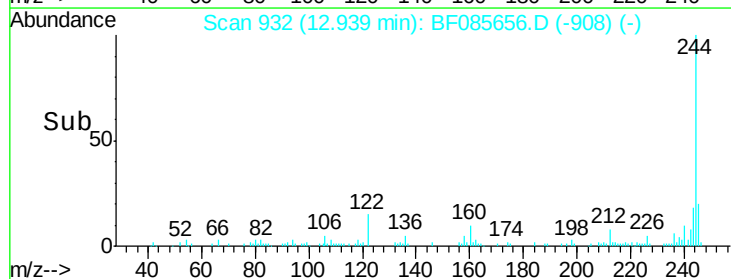
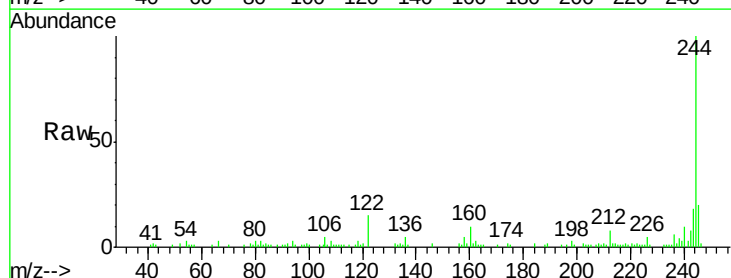
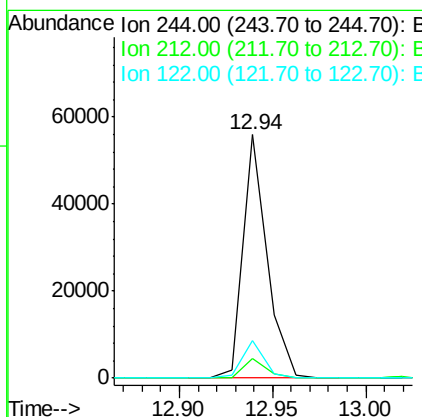
RT: 12.94 min Scan# 932

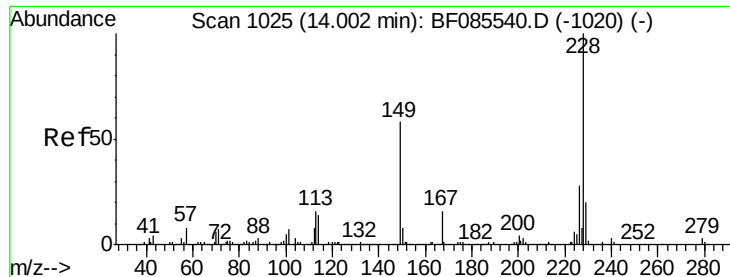
Delta R.T. -0.02 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Tgt Ion:	244	Resp:	50070
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.1	9.1
122	15.5	10.2	15.4





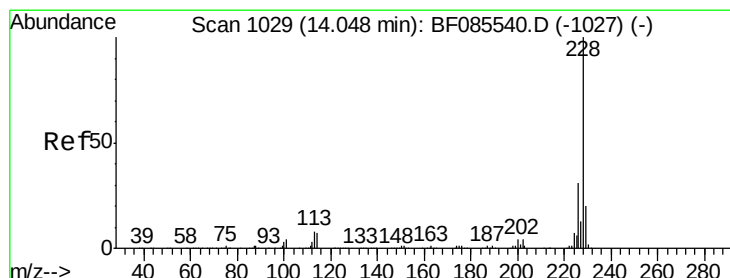
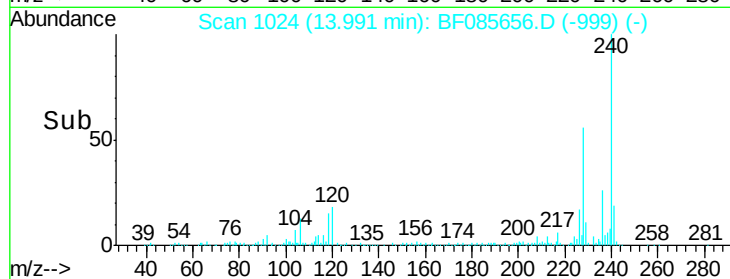
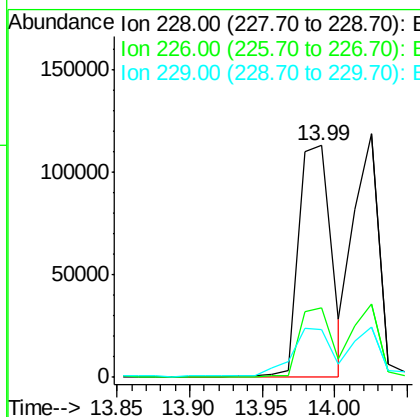
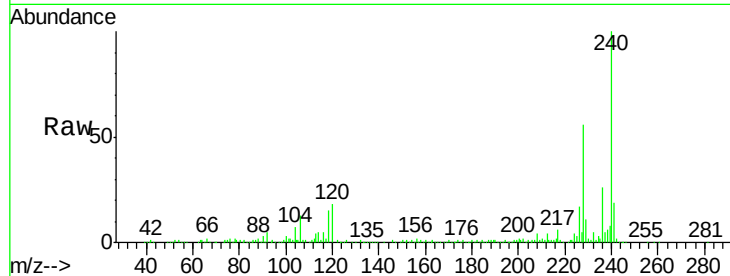
#80
Benzo(a)anthracene
Concen: 12.02 ng
RT: 13.99 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	228	Resp:	177345
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.1	33.1
229	20.4	16.2	24.4

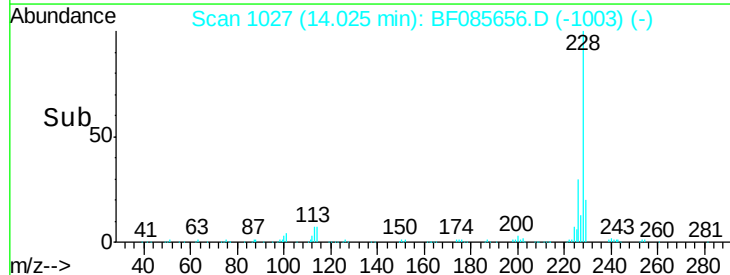
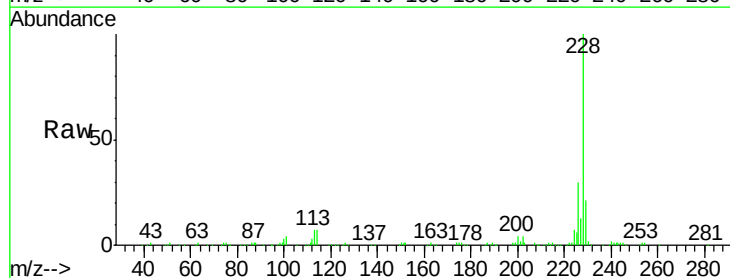
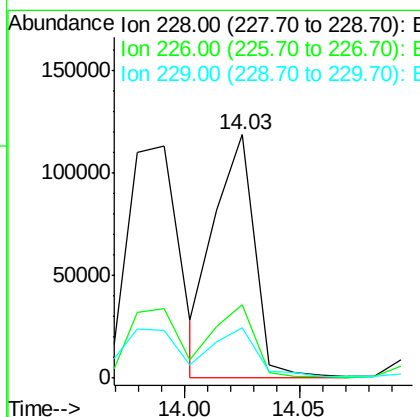
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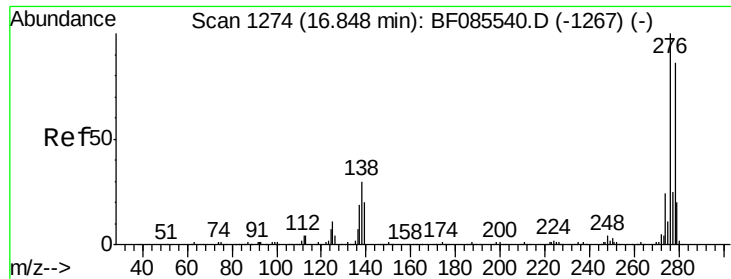
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#82
Chrysene
Concen: 10.21 ng m
RT: 14.03 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

Tgt Ion:	228	Resp:	145004
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	20.9	15.7	23.5





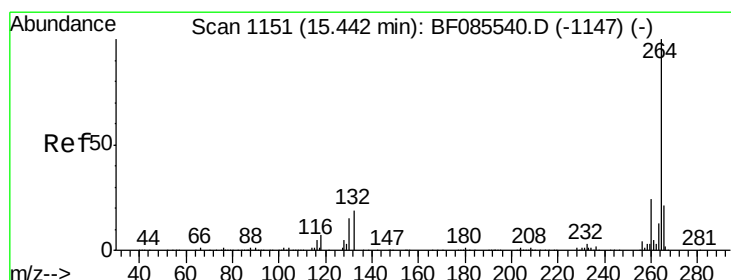
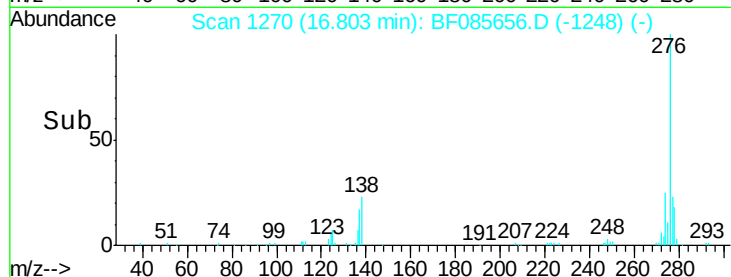
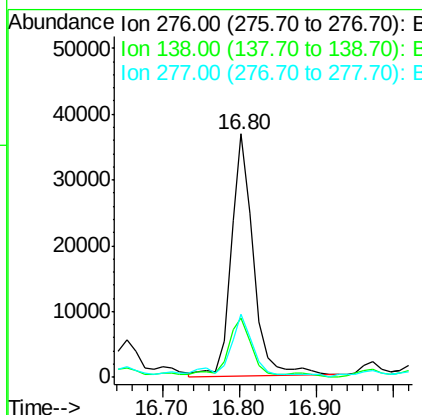
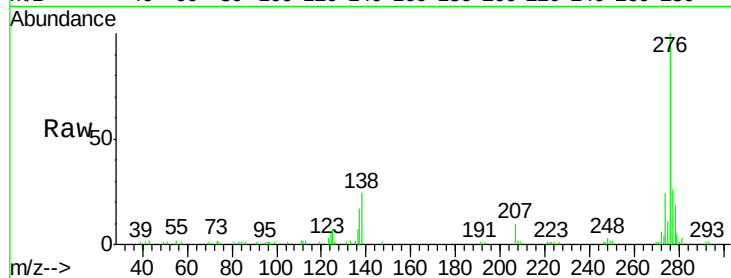
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.32 ng
 RT: 16.80 min Scan# 1270
 Delta R.T. -0.05 min
 Lab File: BF085656.D
 Acq: 22 Mar 2016 9:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMPDL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.0	24.2	36.4
277	26.6	20.0	30.0

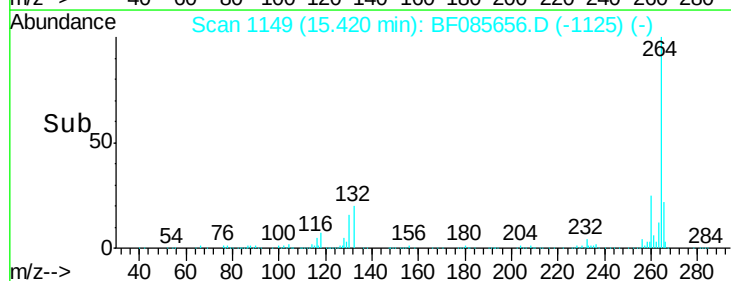
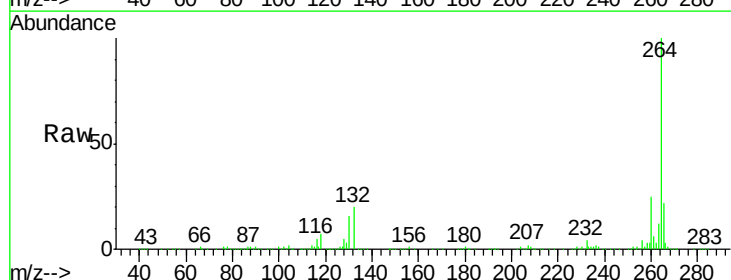
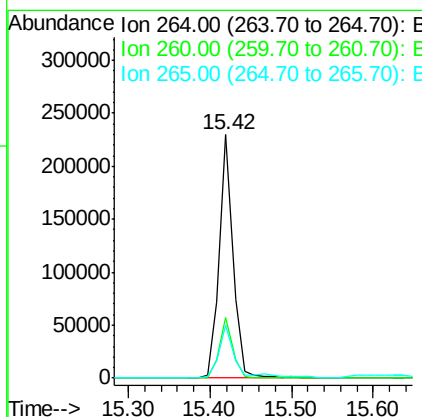
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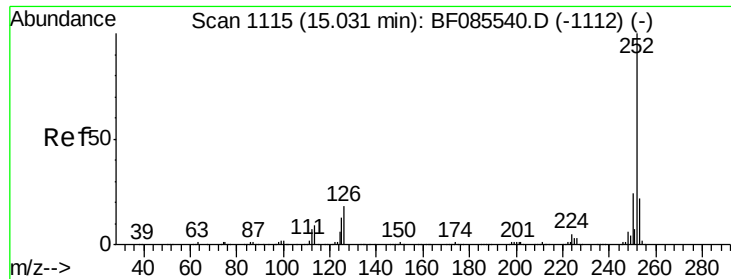
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1149
 Delta R.T. -0.02 min
 Lab File: BF085656.D
 Acq: 22 Mar 2016 9:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 11.84 ng m

RT: 15.01 min Scan# 1113

Delta R.T. -0.02 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Instrument :

BNA_F

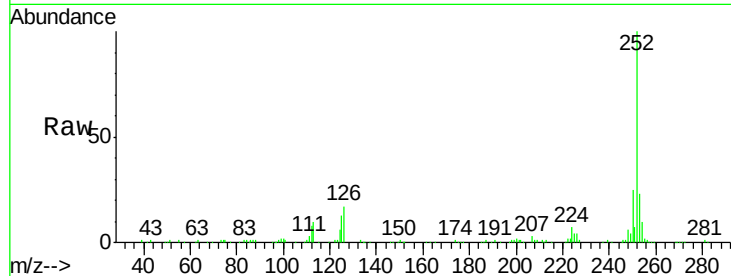
ClientSampleId :

SB-08-COMPDL

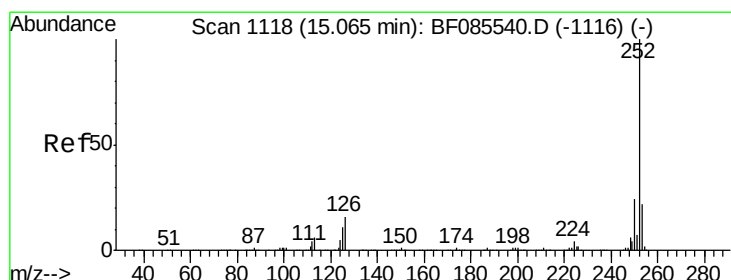
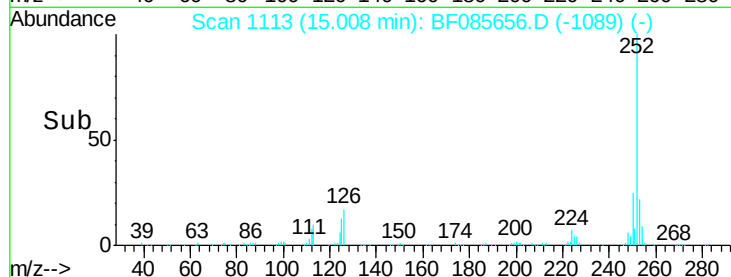
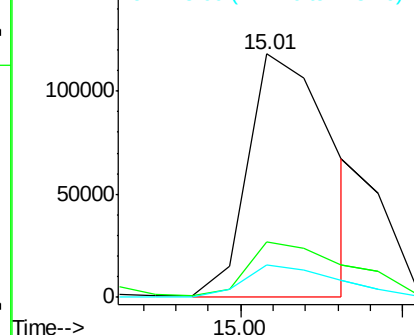
Tgt Ion:	252	Resp:	210145
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.6	26.4
125	13.4	10.3	15.5

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.87 ng m

RT: 15.03 min Scan# 1115

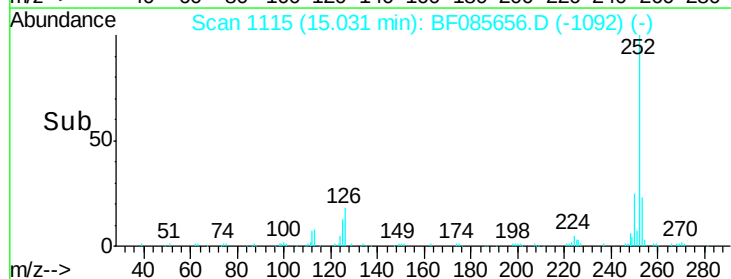
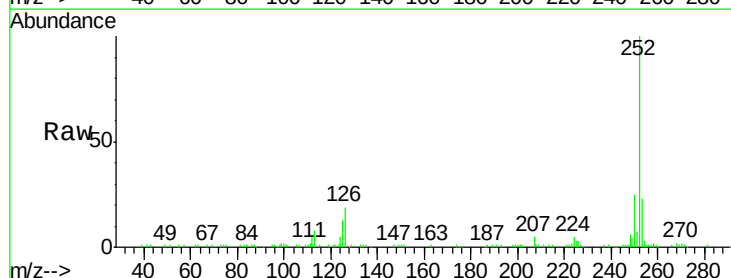
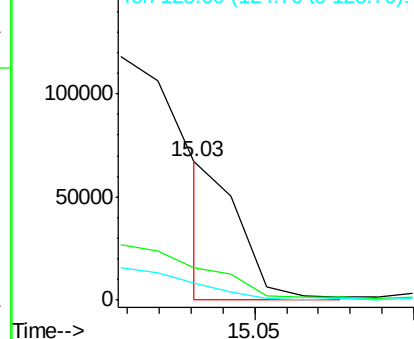
Delta R.T. -0.03 min

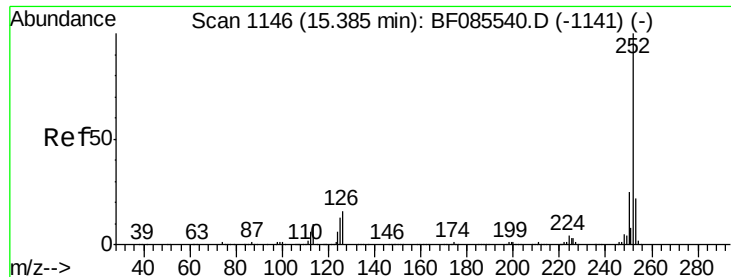
Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Tgt Ion:	252	Resp:	41980
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.6
125	12.6	7.7	11.5#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





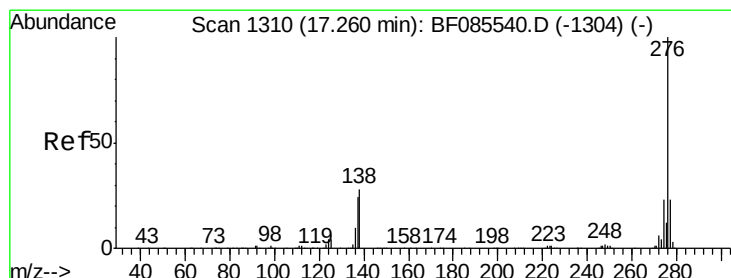
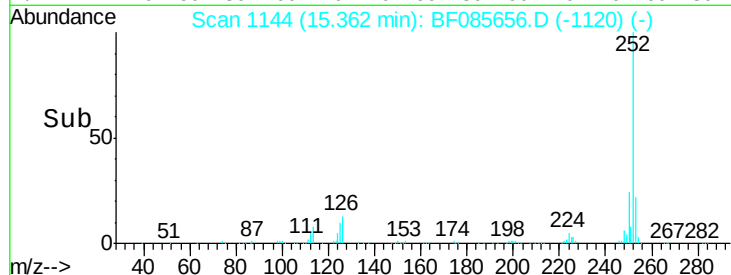
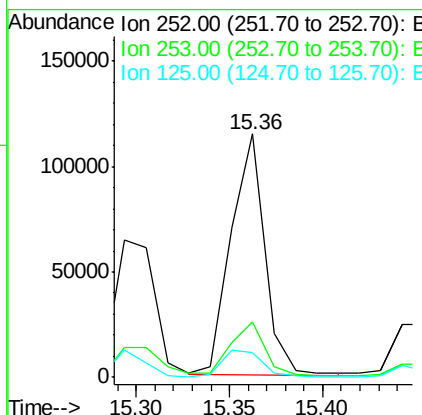
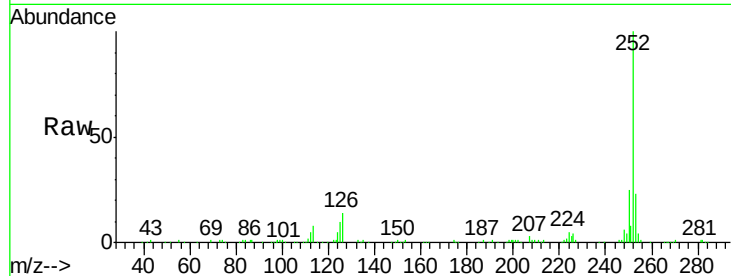
#89
Benzo(a)pyrene
Concen: 9.62 ng
RT: 15.36 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

Instrument :
BNA_F
ClientSampleId :
SB-08-COMPDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	10.4	10.3	15.5

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.69 ng
RT: 17.23 min Scan# 1307
Delta R.T. -0.03 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.8	28.2
138	23.6	22.6	34.0

