

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085850.D
 Acq On : 29 Mar 2016 14:04
 Operator : UM/SJ
 Sample : H1834-03DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5DL

Manual Integrations
 APPROVED

Sohil
 3/29/2016 5:04:47 PM

Quant Time: Mar 29 14:46:26 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	109832m	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	254491	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	170203	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	284479	20.00	ng	0.00
75) Chrysene-d12	13.98	240	226843	20.00	ng	0.00
86) Perylene-d12	15.39	264	233309	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	78068	11.84	ng	0.00
7) Phenol-d6	6.45	99	107738	12.85	ng	-0.01
23) Nitrobenzene-d5	7.38	82	99979	22.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	13443	8.31	ng	0.01
44) 2-Fluorobiphenyl	9.19	172	104306	10.24	ng	0.00
78) Terphenyl-d14	12.93	244	72079	6.53	ng	0.00
Target Compounds						
31) Naphthalene	8.13	128	253685	19.78	ng	# 55
37) 2-Methylnaphthalene	8.84	142	1620900	Below Cal		96
45) 1,1'-Biphenyl	9.28	154	128828	8.97	ng	97
51) Acenaphthene	9.90	154	123359	11.74	ng	# 89
57) Fluorene	10.41	166	194391	17.19	ng	# 82
70) Phenanthrene	11.38	178	742409	50.83	ng	96
77) Pyrene	12.79	202	92475	4.96	ng	# 92

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

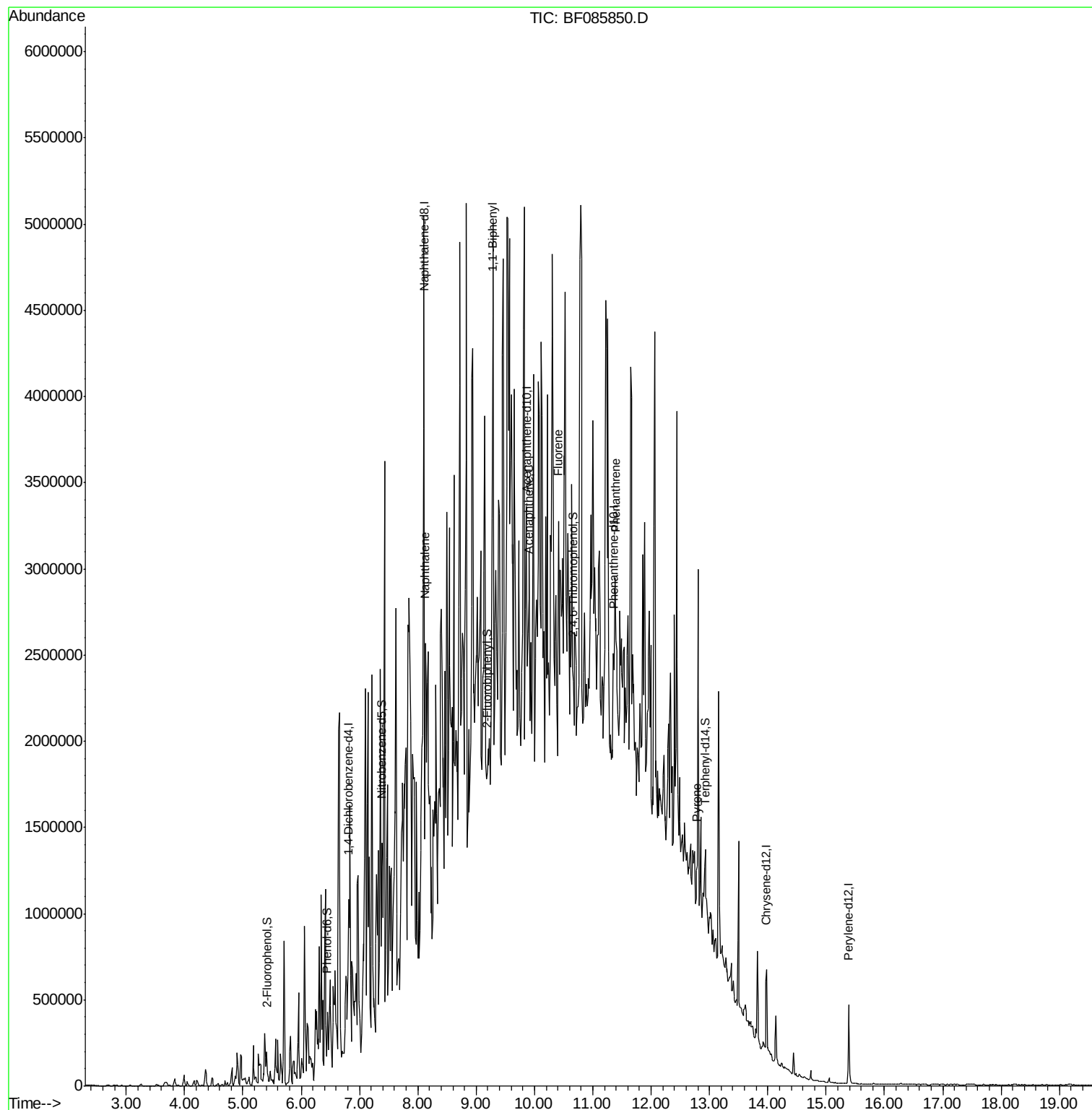
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
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ALS Vial : 4 Sample Multiplier: 1

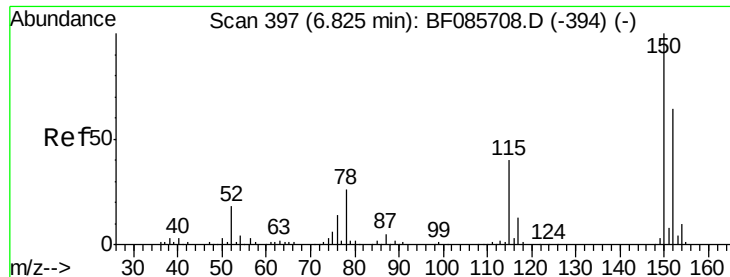
Instrument :
BNA_F
ClientSampleId :
5DL

Manual Integrations
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Sohil
3/29/2016 5:04:47 PM

Quant Time: Mar 29 14:46:26 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

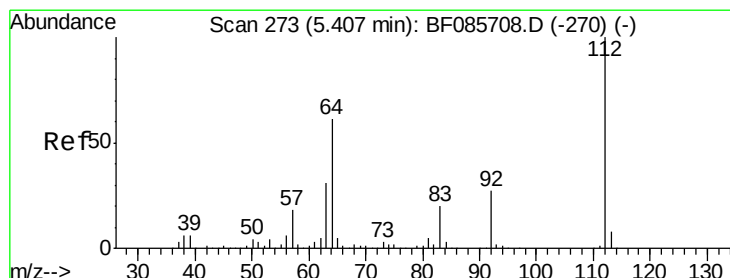
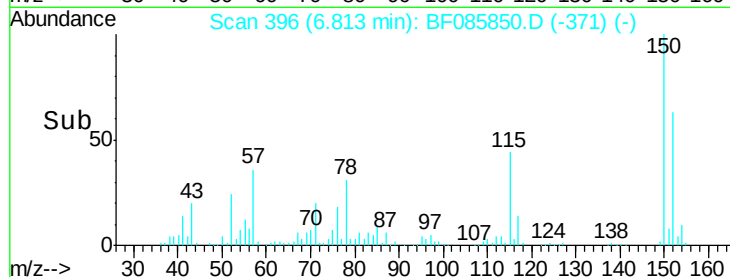
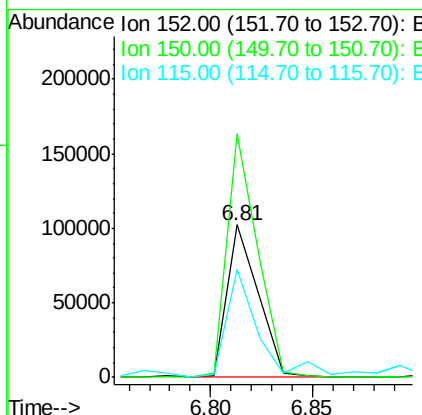
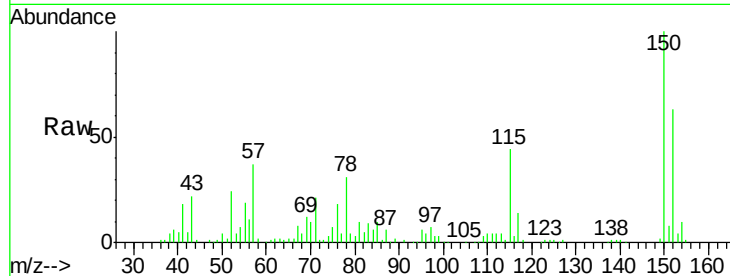
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.81 min Scan# 396
Delta R.T. -0.01 min
Lab File: BF085850.D
Acq: 29 Mar 2016 14:04

Instrument :
BNA_F
ClientSampled :
5DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.2	186.2
115	70.8	47.0	70.6

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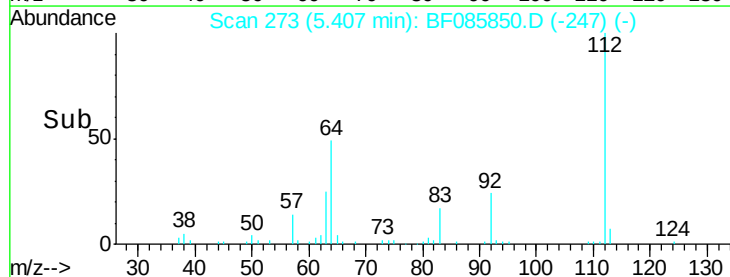
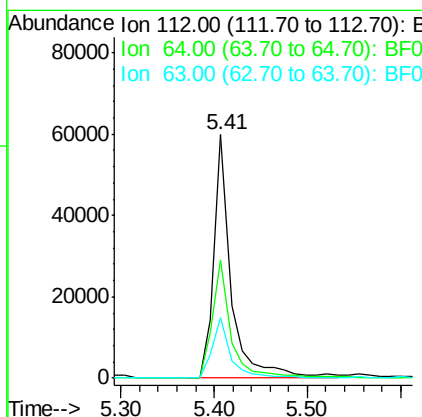
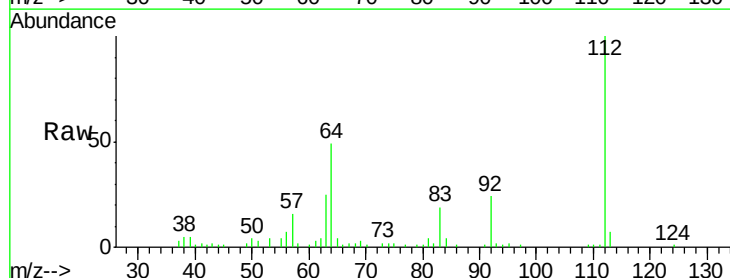
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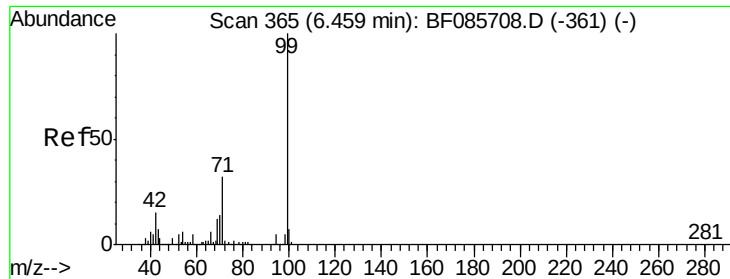


#5

2-Fluorophenol
Concen: 11.84 ng
RT: 5.41 min Scan# 273
Delta R.T. 0.00 min
Lab File: BF085850.D
Acq: 29 Mar 2016 14:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.7	39.9	59.9
63	24.9	20.2	30.2





#7

Phenol-d6

Concen: 12.85 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085850.D

Acq: 29 Mar 2016 14:04

Instrument :

BNA_F

ClientSampled :

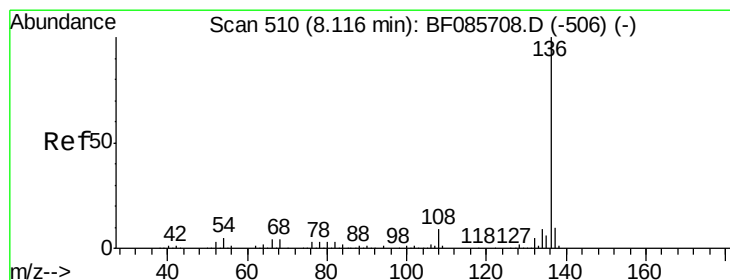
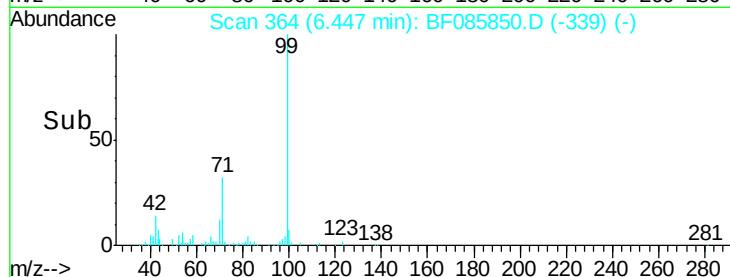
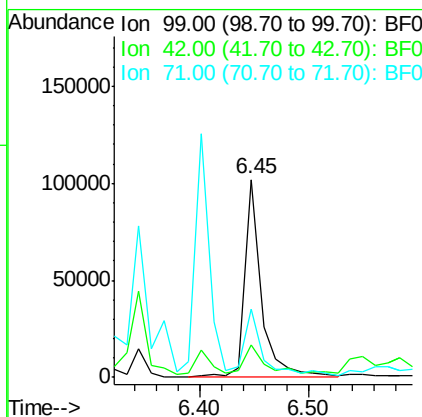
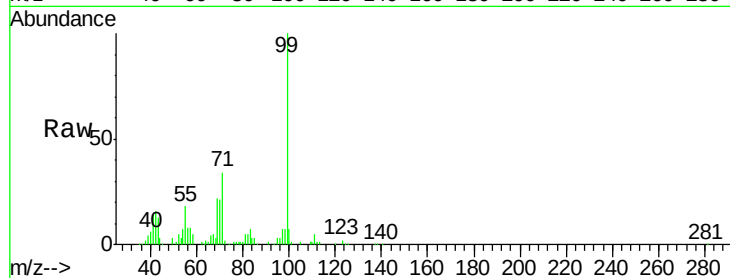
5DL

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Tgt Ion:	99	Resp:	107738
Ion Ratio	Lower	Upper	
99	100		
42	16.2	11.1	16.7
71	34.3	24.9	37.3



#21

Naphthalene-d8

Concen: 20.00 ng

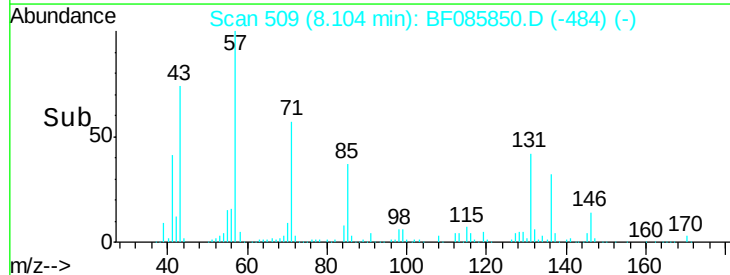
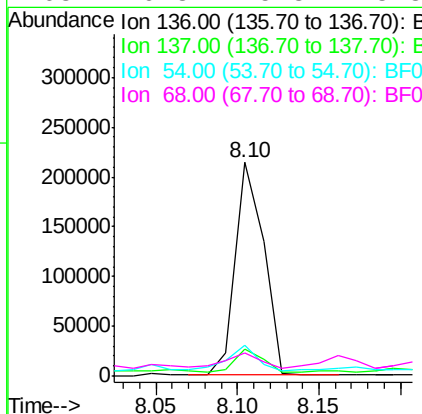
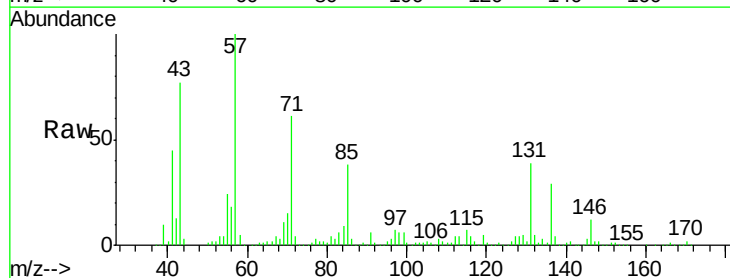
RT: 8.10 min Scan# 509

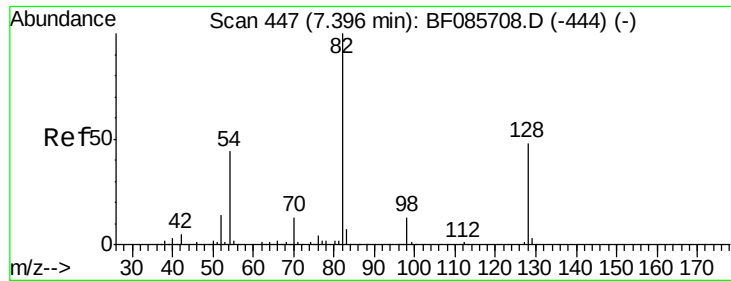
Delta R.T. -0.01 min

Lab File: BF085850.D

Acq: 29 Mar 2016 14:04

Tgt Ion:	136	Resp:	254491
Ion Ratio	Lower	Upper	
136	100		
137	12.7	9.1	13.7
54	14.3	7.4	11.0#
68	10.8	5.8	8.8#





#23

Nitrobenzene-d5

Concen: 22.12 ng

RT: 7.38 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF085850.D

Acq: 29 Mar 2016 14:04

Instrument :

BNA_F

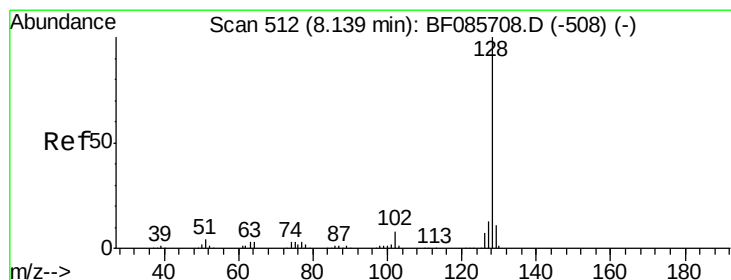
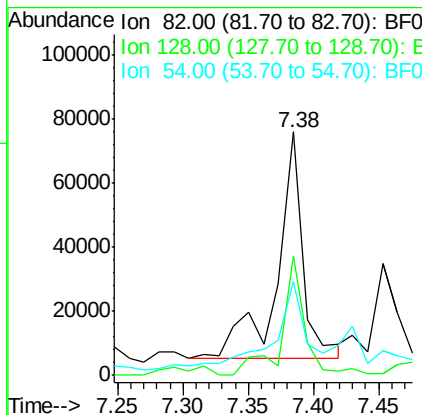
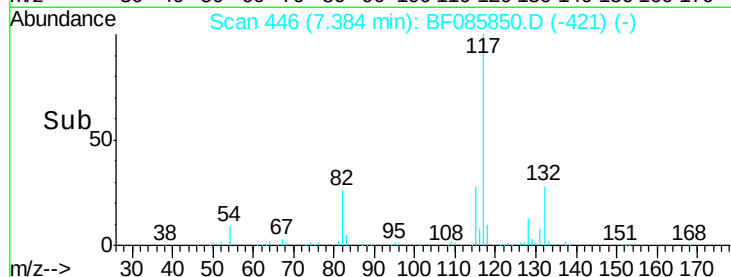
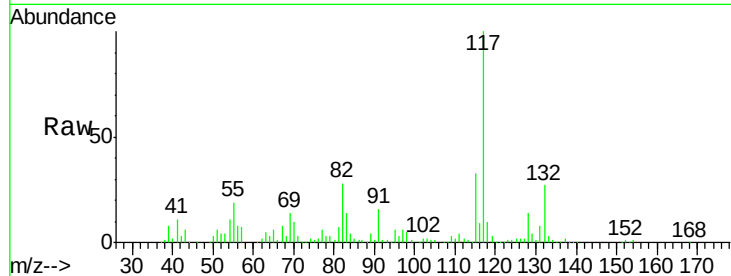
ClientSampled :

5DL

Tgt Ion:	82	Resp:	99979
Ion Ratio	Lower	Upper	
82	100		
128	49.3	41.8	62.8
54	38.3	33.4	50.0

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#31

Naphthalene

Concen: 19.78 ng

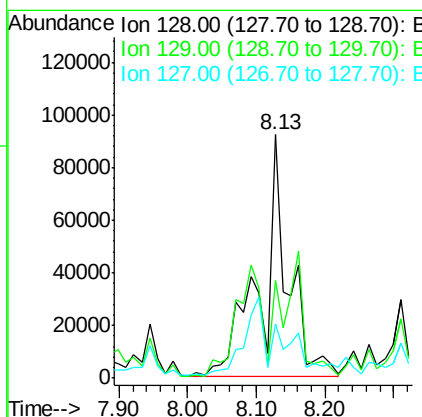
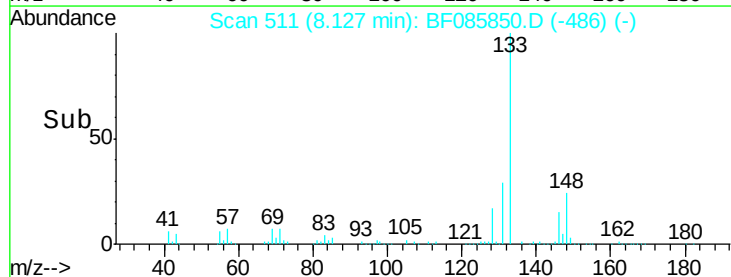
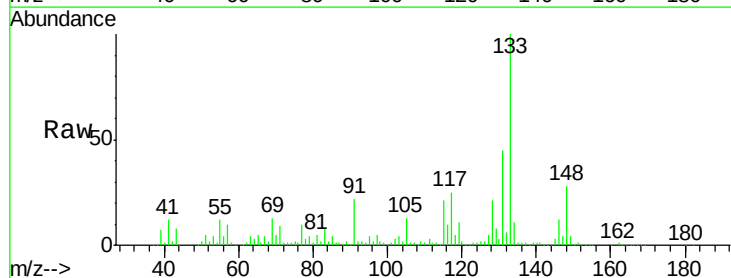
RT: 8.13 min Scan# 511

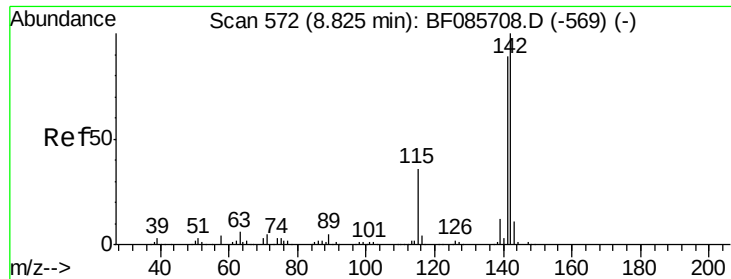
Delta R.T. -0.01 min

Lab File: BF085850.D

Acq: 29 Mar 2016 14:04

Tgt Ion:	128	Resp:	253685
Ion Ratio	Lower	Upper	
128	100		
129	40.3	9.4	14.0#
127	22.3	11.0	16.6#





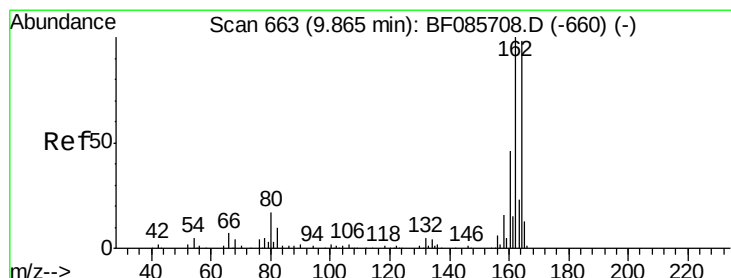
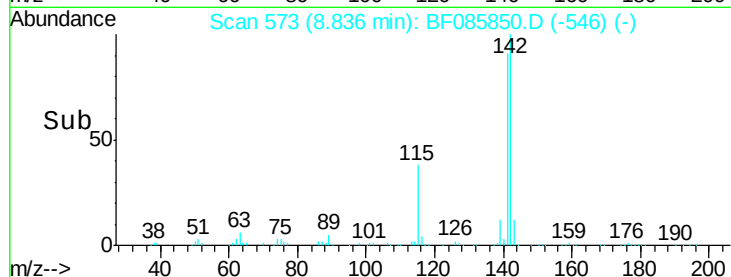
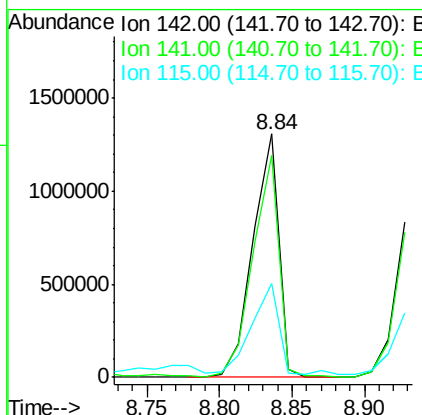
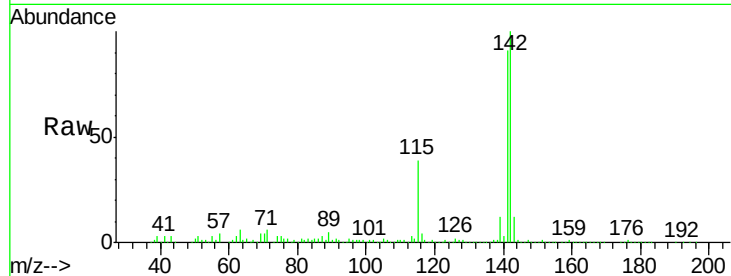
#37
2-Methylnaphthalene
Concen: Below Cal
RT: 8.84 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF085850.D
Acq: 29 Mar 2016 14:04

Instrument :
BNA_F
ClientSampleId :
5DL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	71.6	107.4
115	38.8	26.8	40.2

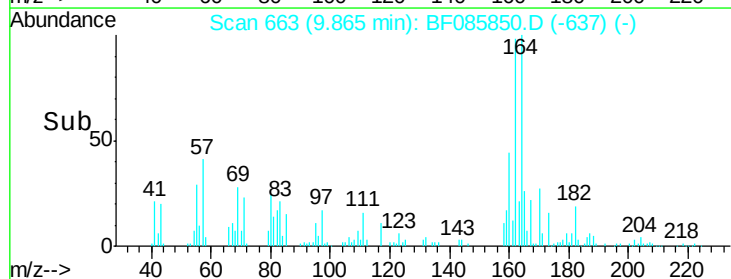
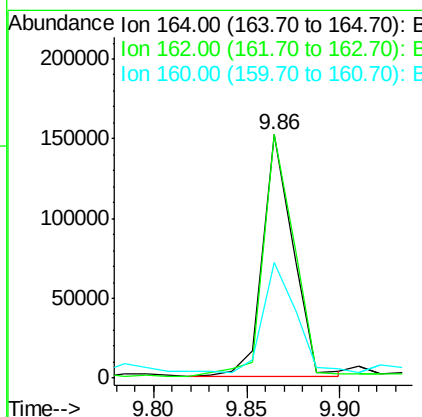
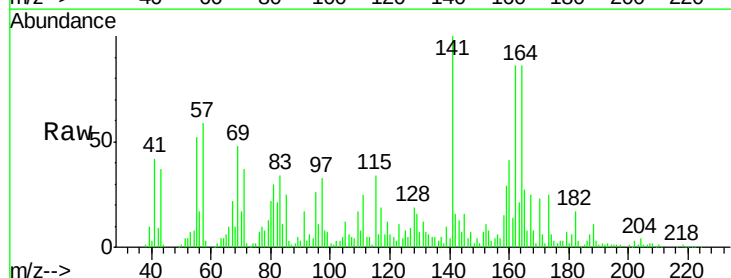
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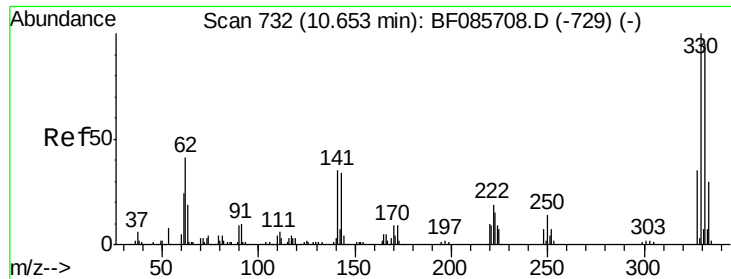
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF085850.D
Acq: 29 Mar 2016 14:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	82.1	123.1
160	47.3	37.4	56.2





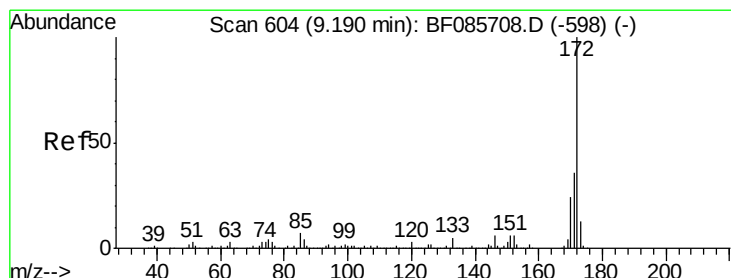
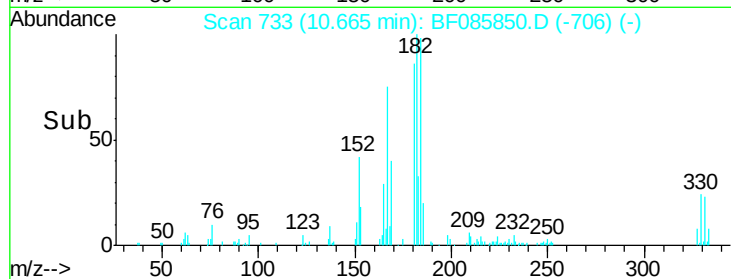
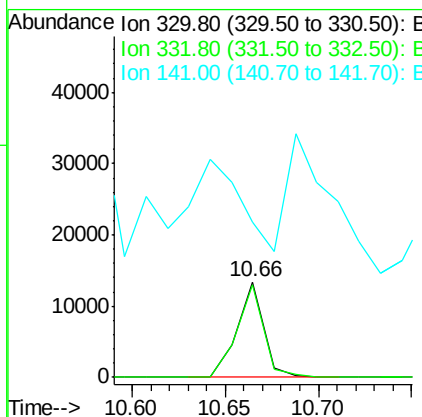
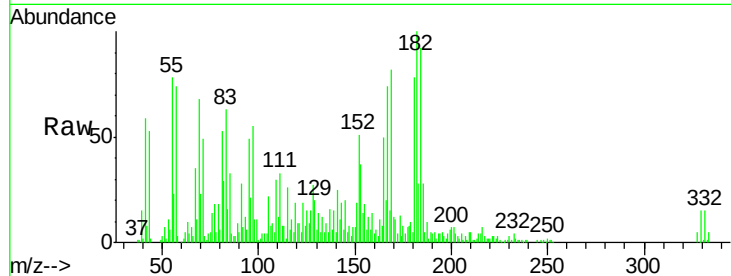
#41
 2,4,6-Tribromophenol
 Concen: 8.31 ng
 RT: 10.66 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: BF085850.D
 Acq: 29 Mar 2016 14:04

Instrument :
 BNA_F
 ClientSampled :
 5DL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.2	117.2
141	0.0	31.5	47.3

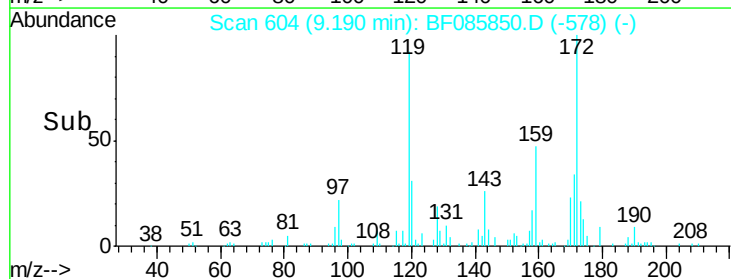
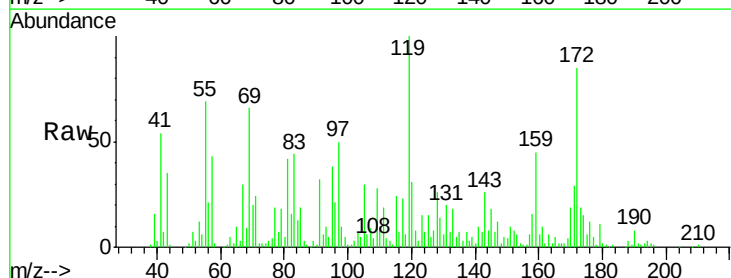
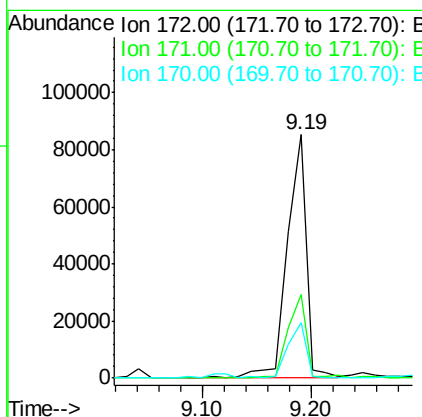
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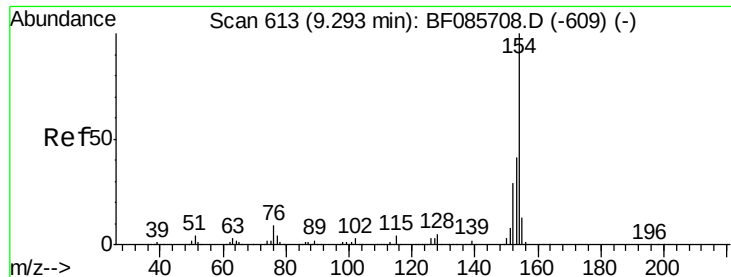
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#44
 2-Fluorobiphenyl
 Concen: 10.24 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF085850.D
 Acq: 29 Mar 2016 14:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.4	44.2
170	22.6	19.8	29.6





#45

1,1'-Biphenyl

Concen: 8.97 ng

RT: 9.28 min Scan# 612

Delta R.T. -0.01 min

Lab File: BF085850.D

Acq: 29 Mar 2016 14:04

Instrument :

BNA_F

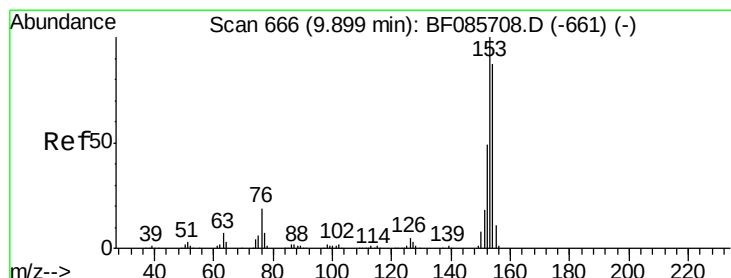
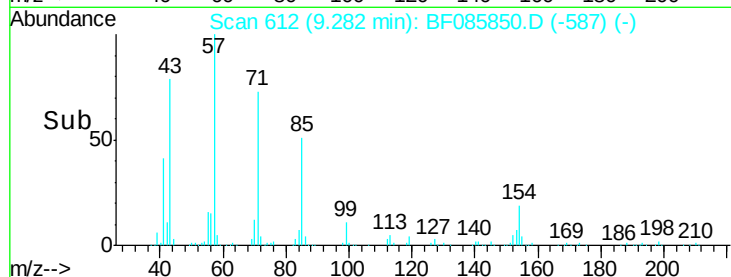
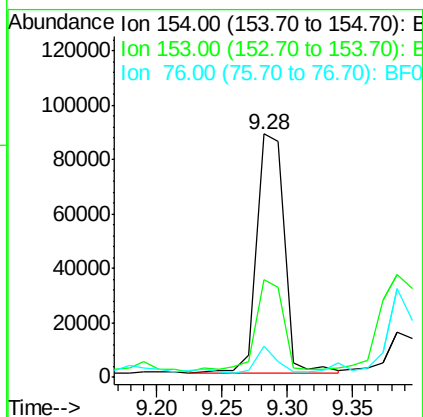
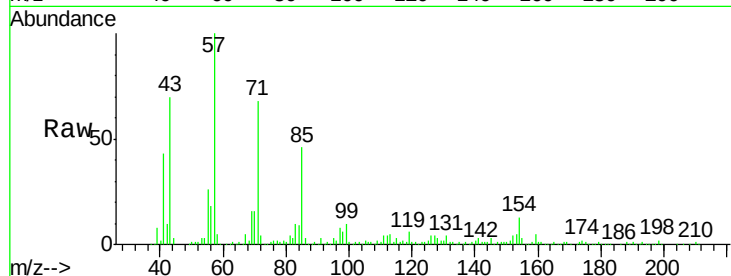
ClientSampled :

5DL

Tgt Ion:	154	Resp:	128828
Ion Ratio	Lower	Upper	
154	100		
153	40.3	20.8	60.8
76	12.5	0.0	36.7

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#51

Acenaphthene

Concen: 11.74 ng

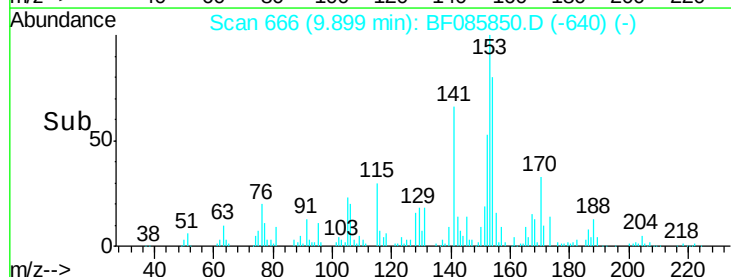
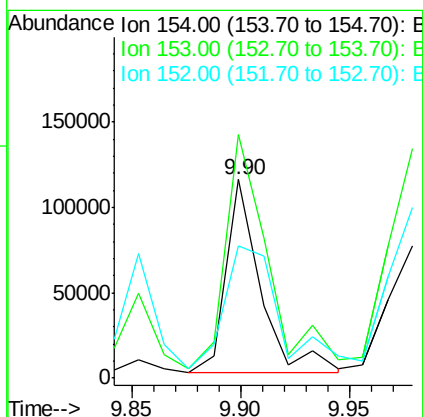
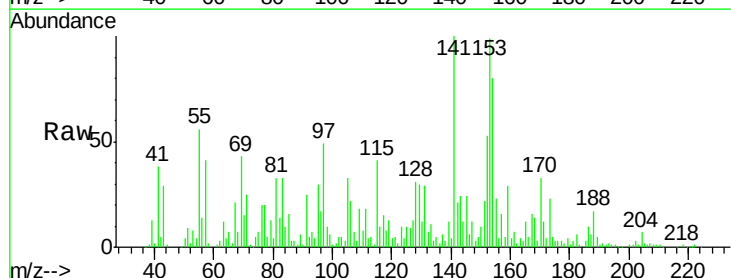
RT: 9.90 min Scan# 666

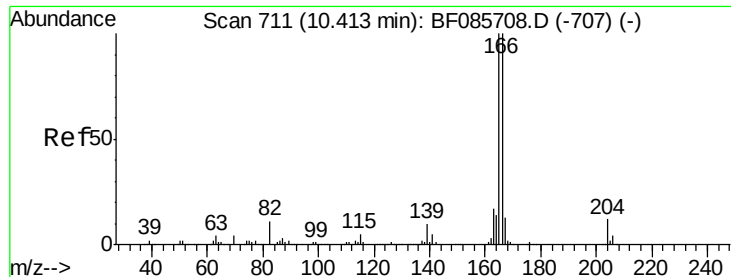
Delta R.T. -0.00 min

Lab File: BF085850.D

Acq: 29 Mar 2016 14:04

Tgt Ion:	154	Resp:	123359
Ion Ratio	Lower	Upper	
154	100		
153	122.7	90.1	135.1
152	66.5	44.2	66.2#





#57

Fluorene

Concen: 17.19 ng

RT: 10.41 min Scan# 711

Delta R.T. -0.00 min

Lab File: BF085850.D

Acq: 29 Mar 2016 14:04

Instrument :

BNA_F

ClientSampled :

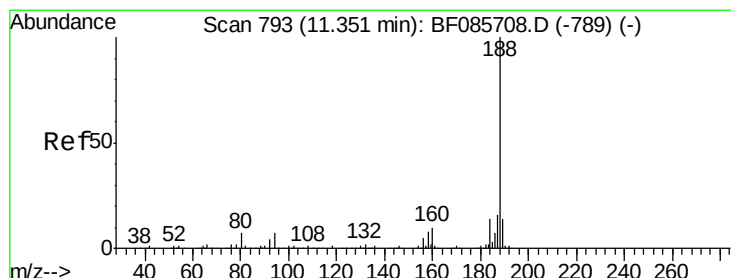
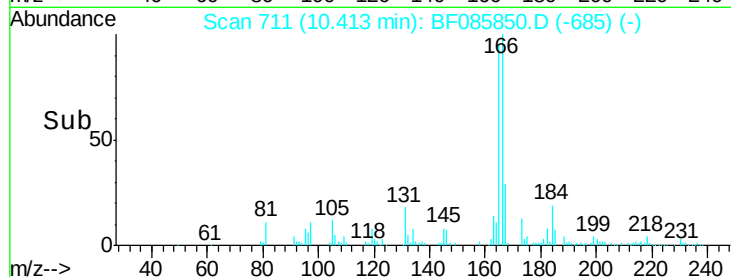
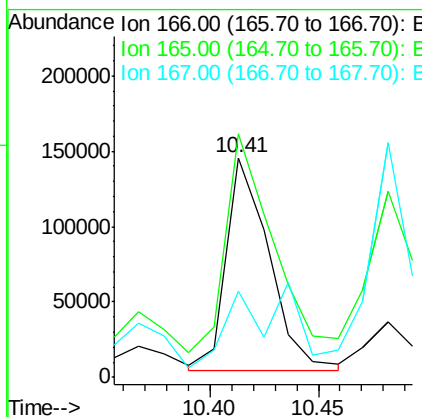
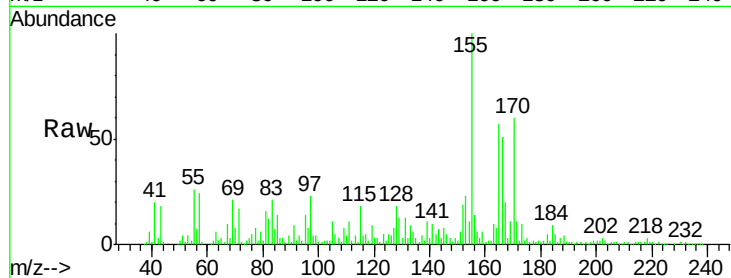
5DL

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Tgt Ion:	166	Resp:	194391
Ion Ratio	Lower	Upper	
166	100		
165	110.9	79.4	119.0
167	39.3	11.0	16.4#



#63

Phenanthrene-d10

Concen: 20.00 ng

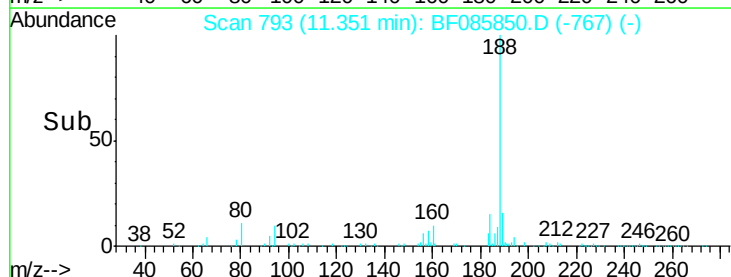
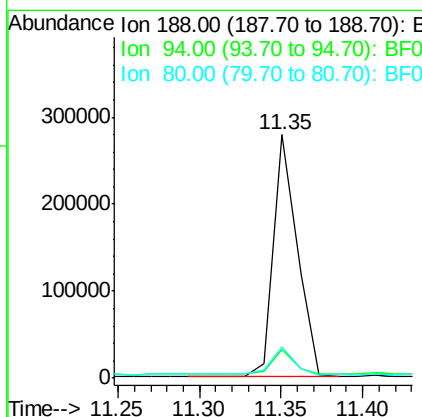
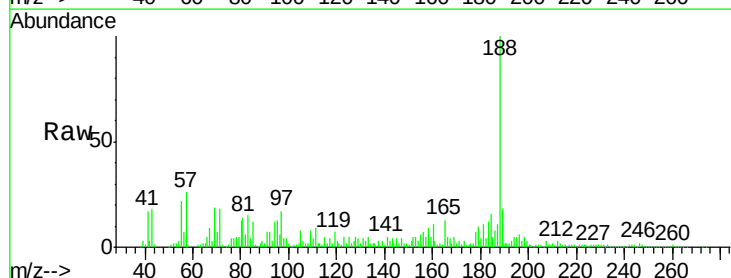
RT: 11.35 min Scan# 793

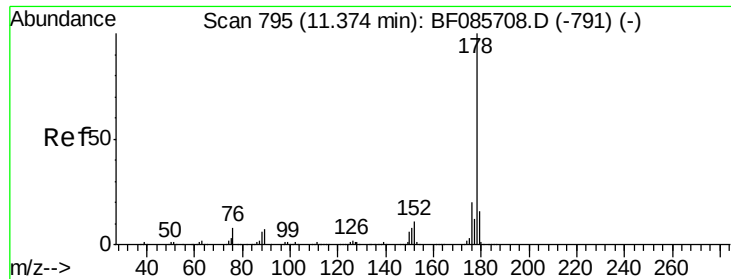
Delta R.T. -0.00 min

Lab File: BF085850.D

Acq: 29 Mar 2016 14:04

Tgt Ion:	188	Resp:	284479
Ion Ratio	Lower	Upper	
188	100		
94	12.0	5.4	8.0#
80	13.0	5.5	8.3#





#70

Phenanthrene

Concen: 50.83 ng

RT: 11.38 min Scan# 796

Delta R.T. 0.01 min

Lab File: BF085850.D

Acq: 29 Mar 2016 14:04

Instrument :

BNA_F

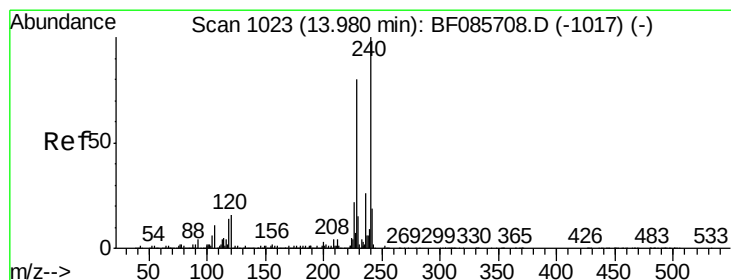
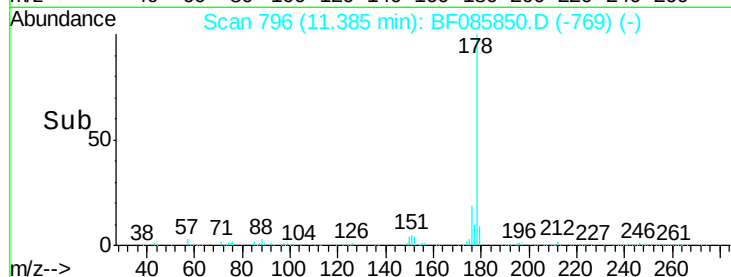
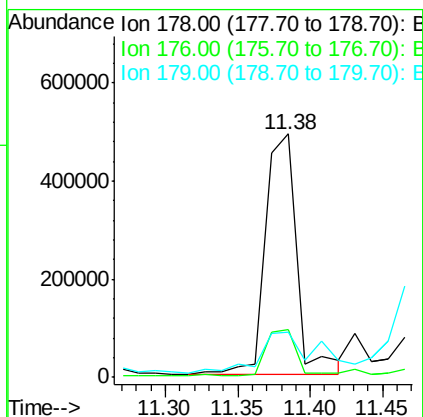
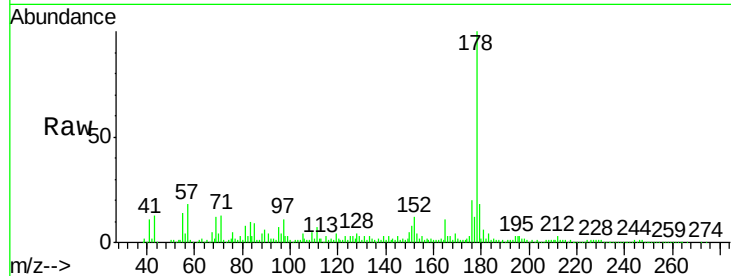
ClientSampled :

5DL

Tgt	Ion:178	Resp:	742409
Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.3	24.5
179	18.3	12.6	18.8

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#75

Chrysene-d12

Concen: 20.00 ng

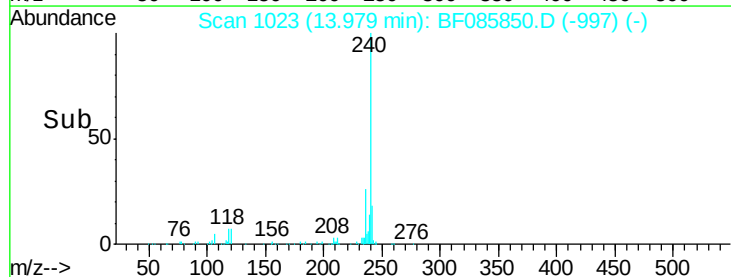
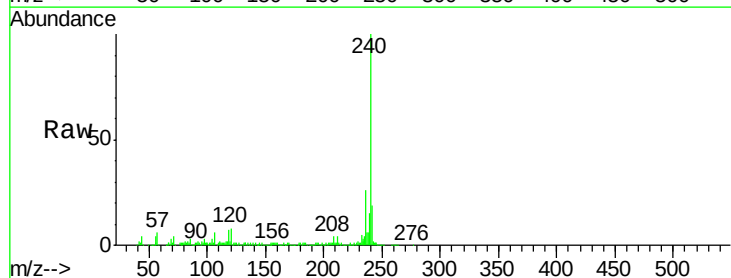
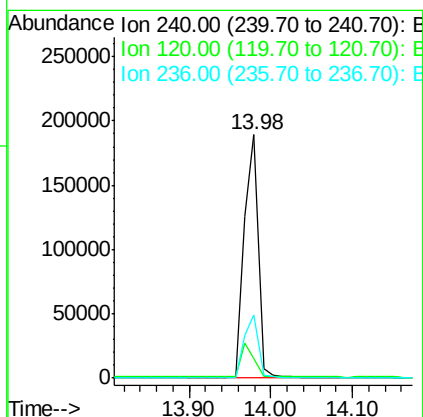
RT: 13.98 min Scan# 1023

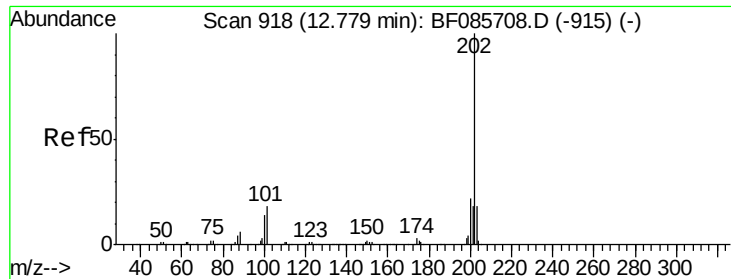
Delta R.T. -0.00 min

Lab File: BF085850.D

Acq: 29 Mar 2016 14:04

Tgt	Ion:240	Resp:	226843
Ion	Ratio	Lower	Upper
240	100		
120	8.1	13.8	20.8#
236	26.2	20.6	30.8





#77

Pyrene

Concen: 4.96 ng

RT: 12.79 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF085850.D

Acq: 29 Mar 2016 14:04

Instrument :

BNA_F

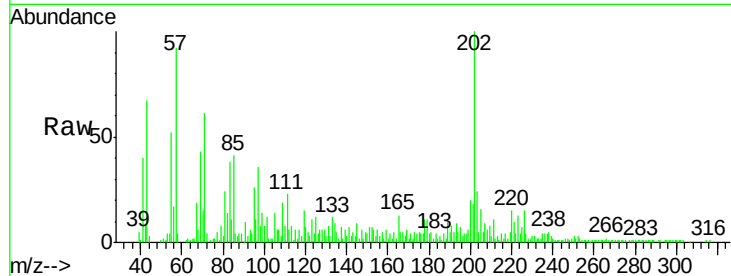
ClientSampled :

5DL

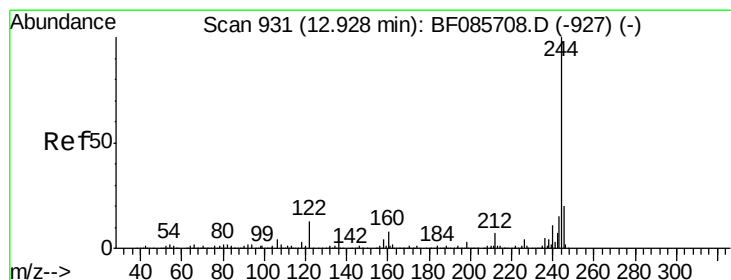
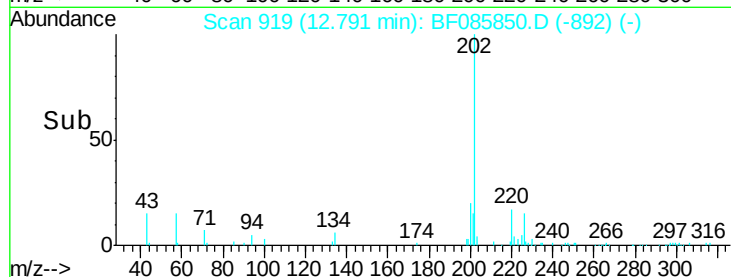
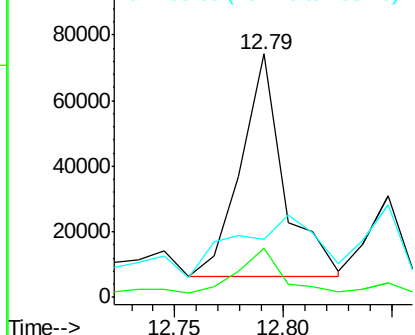
Tgt Ion:	202	Resp:	92475
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.6	26.4
203	23.8	14.0	21.0#

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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: 6.53 ng

RT: 12.93 min Scan# 931

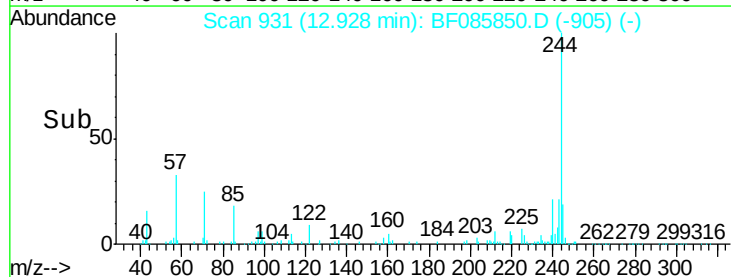
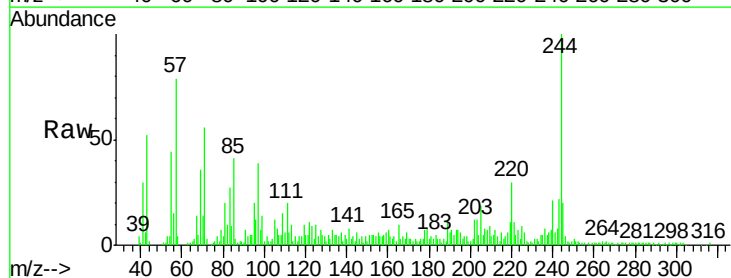
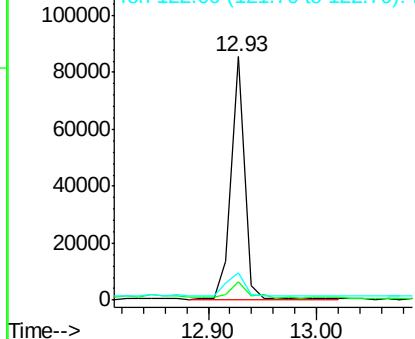
Delta R.T. -0.00 min

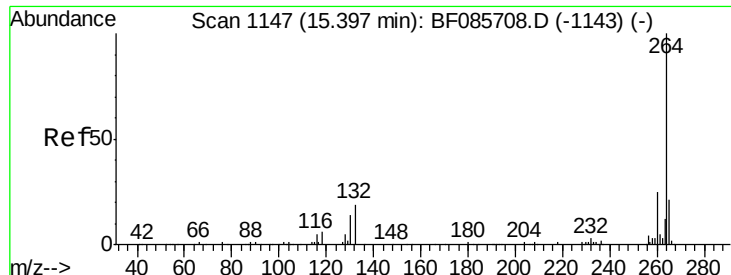
Lab File: BF085850.D

Acq: 29 Mar 2016 14:04

Tgt Ion:	244	Resp:	72079
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.1	9.1
122	11.3	10.2	15.4

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF085850.D
Acq: 29 Mar 2016 14:04

Instrument :
BNA_F
ClientSampleId :
5DL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	233309		
260	24.3		19.4	29.2
265	21.4		17.2	25.8

Manual Integrations
APPROVED

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