

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085846.D
 Acq On : 29 Mar 2016 12:11
 Operator : UM/SJ
 Sample : H1855-04DL 50X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2DL

Manual Integrations
 APPROVED

Sohil
 3/29/2016 5:04:42 PM

Quant Time: Mar 29 13:12:14 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	111271	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	416640	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	185065	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	306065	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	197255	20.00	ng	-0.01
86) Perylene-d12	15.40	264	230128	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.18	172	1564	0.14	ng	-0.01
78) Terphenyl-d14	12.92	244	1147	0.12	ng	-0.01
Target Compounds						
70) Phenanthrene	11.36	178	332108	21.13	ng	Qvalue 99
71) Anthracene	11.42	178	59676	3.62	ng	98
72) Carbazole	11.57	167	28459	2.05	ng	98
74) Fluoranthene	12.55	202	476379	28.52	ng	93
77) Pyrene	12.78	202	417919	25.77	ng	99
80) Benzo(a)anthracene	13.97	228	166971	14.85	ng	95
82) Chrysene	14.00	228	147093	12.98	ng	98
85) Indeno(1,2,3-cd)pyrene	16.77	276	105923	12.11	ng	95
87) Benzo(b)fluoranthene	14.99	252	242827m	16.75	ng	
88) Benzo(k)fluoranthene	15.01	252	45153m	3.45	ng	
89) Benzo(a)pyrene	15.33	252	154131	11.97	ng	# 95
91) Benzo(g,h,i)perylene	17.19	276	98375	8.12	ng	94

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

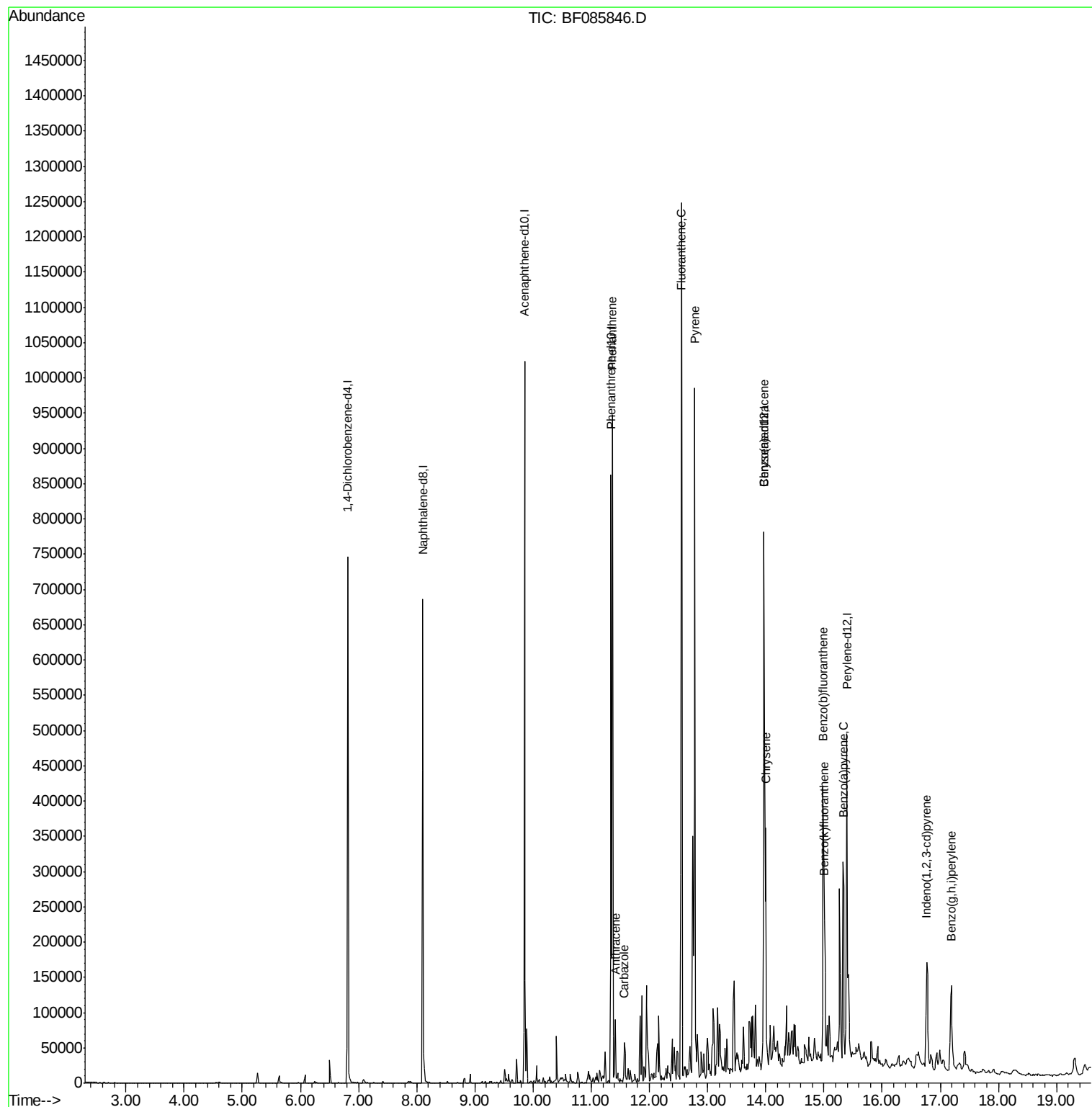
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085846.D
Acq On : 29 Mar 2016 12:11
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#1

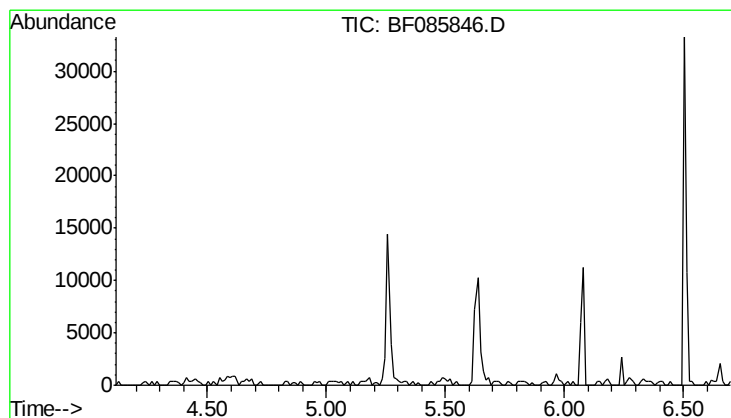
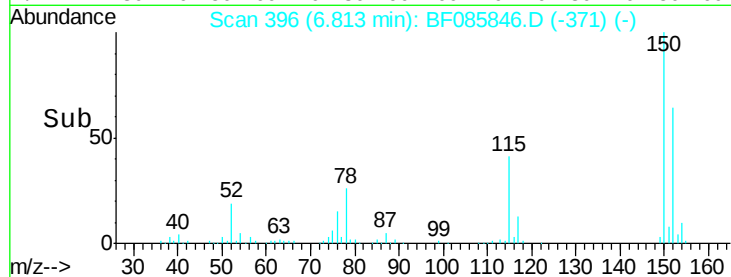
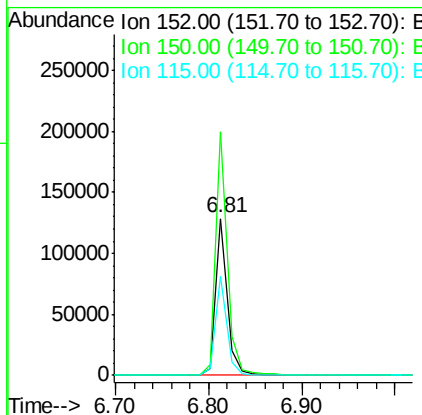
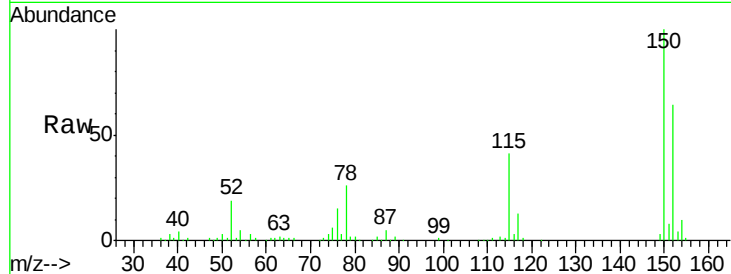
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 396
Delta R.T. -0.01 min
Lab File: BF085846.D
Acq: 29 Mar 2016 12:11

Instrument :
BNA_F
ClientSampleId :
SB-2DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.2	186.2
115	63.3	47.0	70.6

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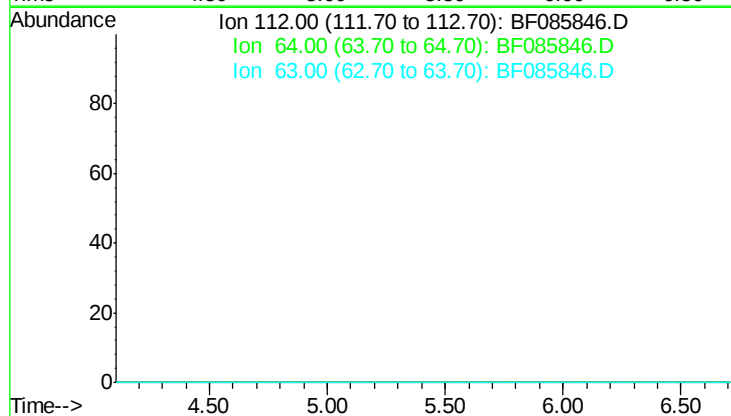


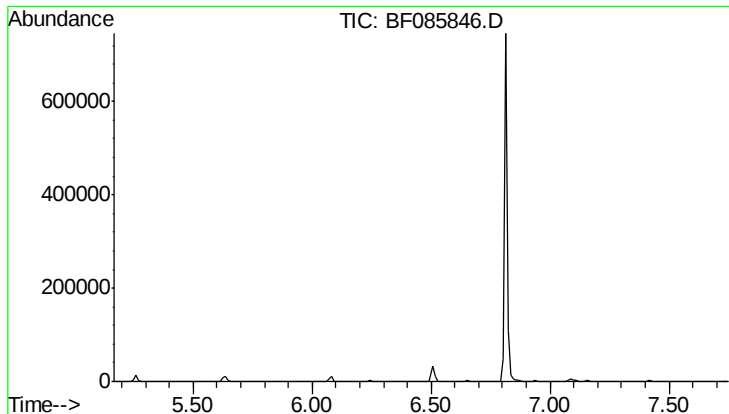
#5

2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.41 min

Lab File: BF085846.D
Acq: 29 Mar 2016 12:11

Tgt Ion	Sig	Exp Ratio
112	100	
64	49.9	
63	25.2	





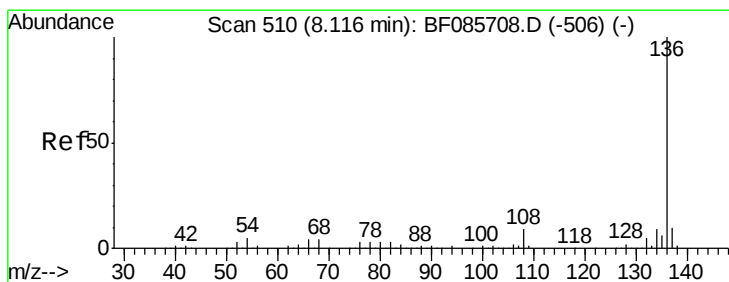
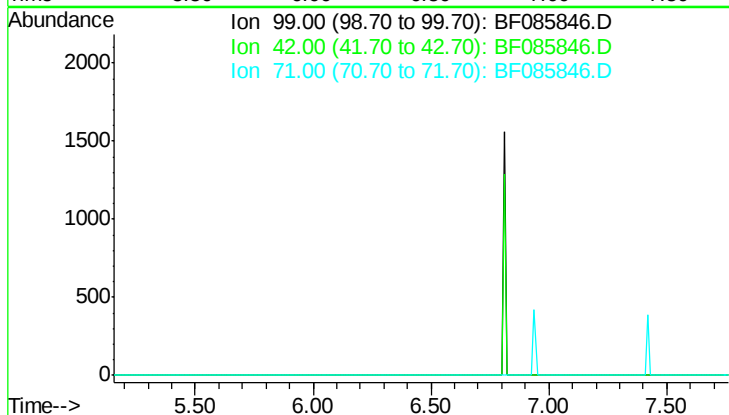
#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 6.46 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-2DL

Tgt Ion: 99
 Sig Exp Ratio
 99 100
 42 13.9
 71 31.1

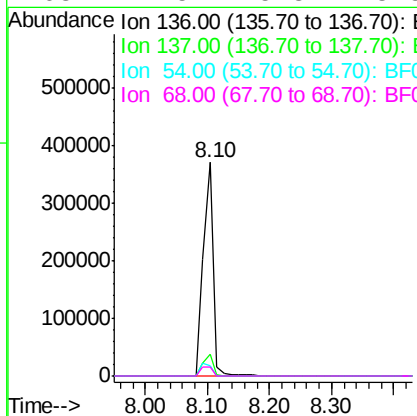
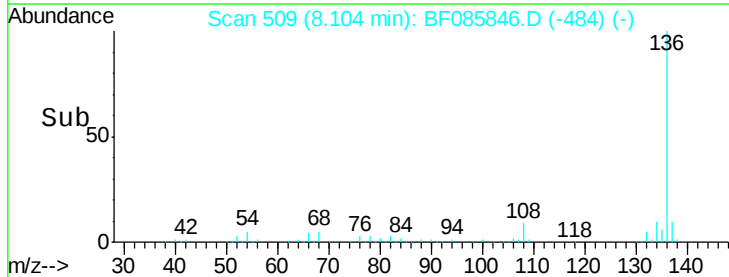
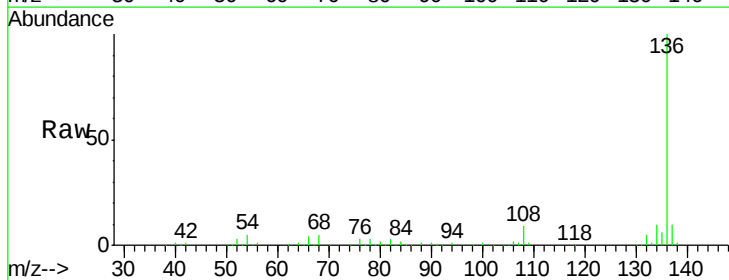
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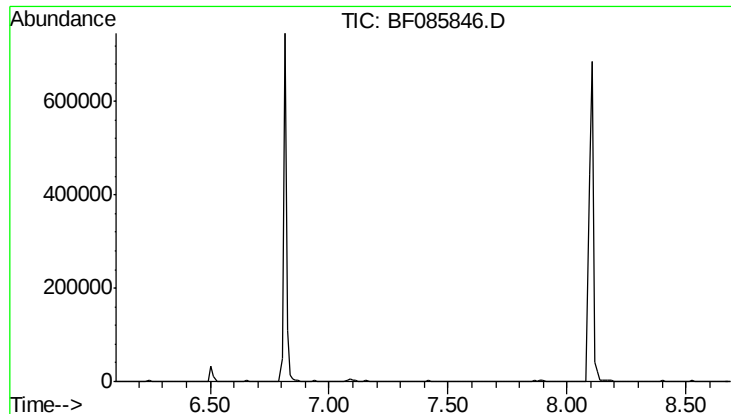
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#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.10 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Tgt Ion: 136 Resp: 416640
 Ion Ratio Lower Upper
 136 100
 137 10.4 9.1 13.7
 54 4.8 7.4 11.0#
 68 4.5 5.8 8.8#





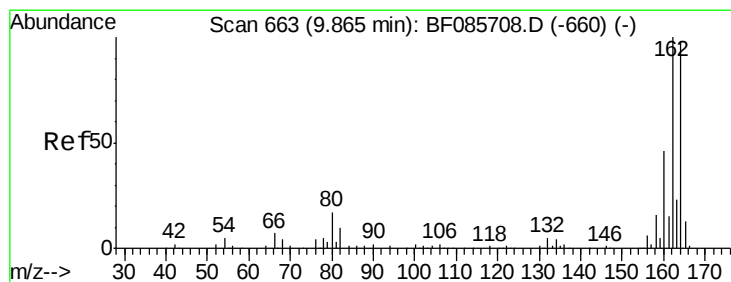
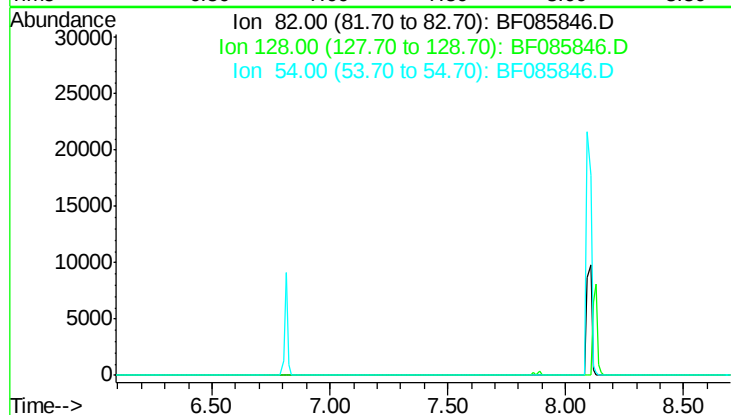
#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 7.40 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-2DL

Tgt Ion	Exp Ratio
82	100
128	52.3
54	41.7

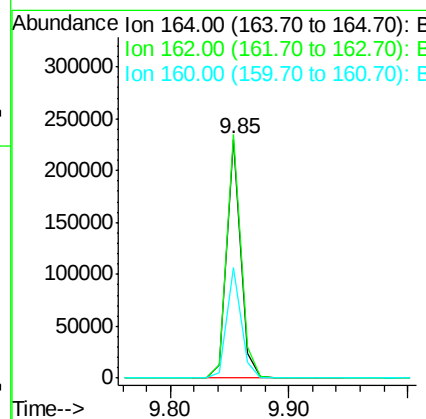
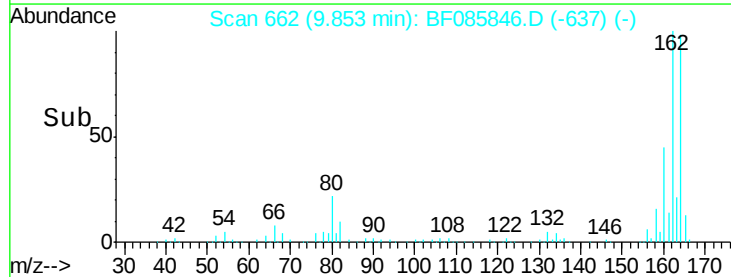
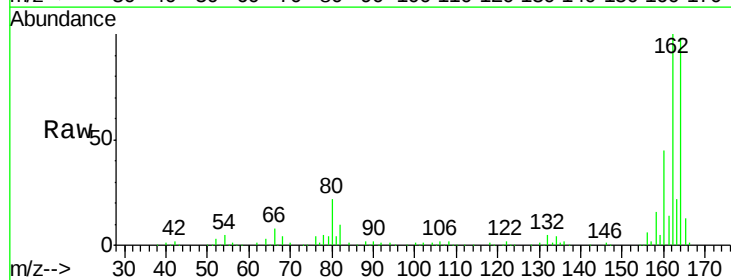
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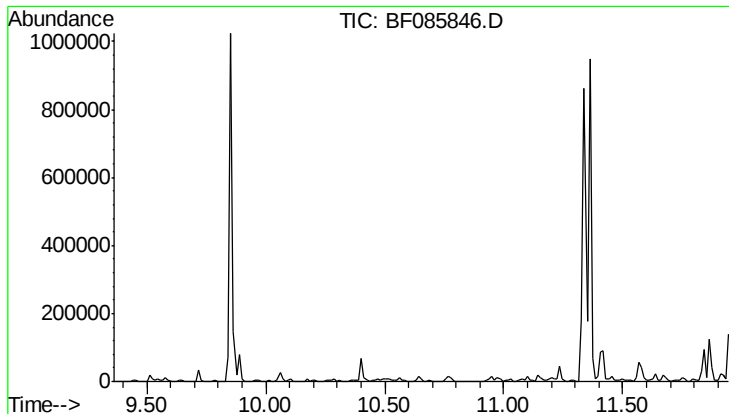
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.1	123.1
160	46.3	37.4	56.2





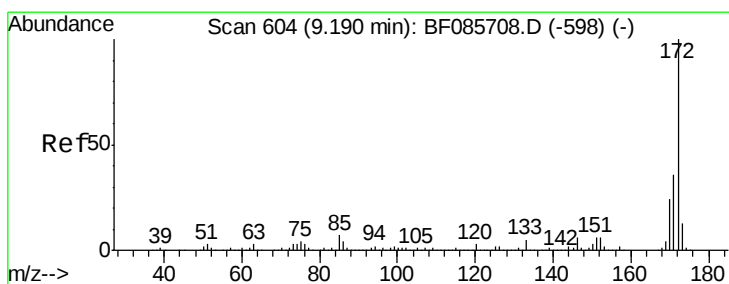
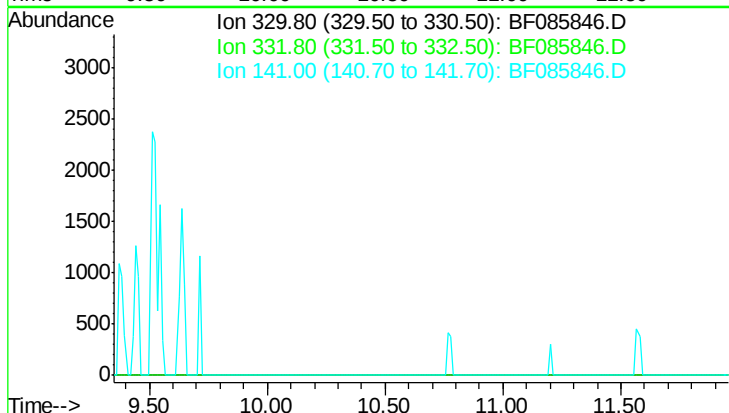
#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.65 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-2DL

Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 97.7
 141 39.4

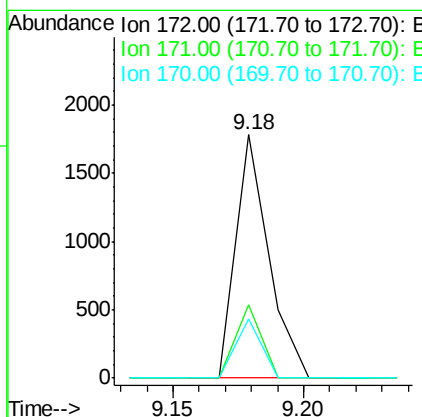
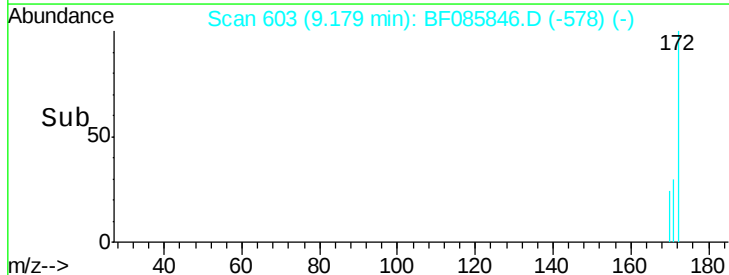
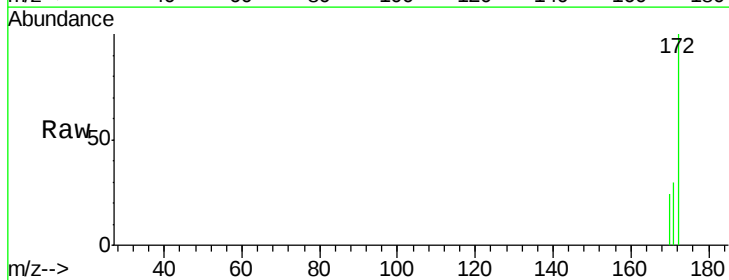
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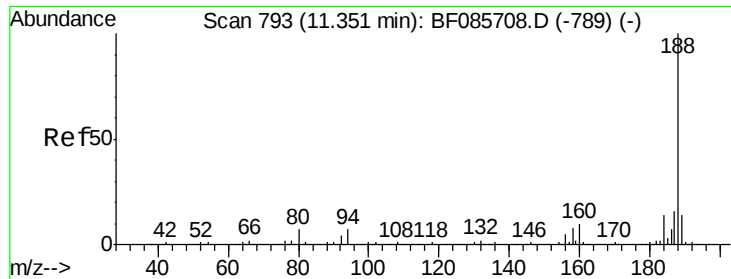
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#44
 2-Fluorobiphenyl
 Concen: 0.14 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Tgt Ion: 172 Resp: 1564
 Ion Ratio Lower Upper
 172 100
 171 30.2 29.4 44.2
 170 24.2 19.8 29.6





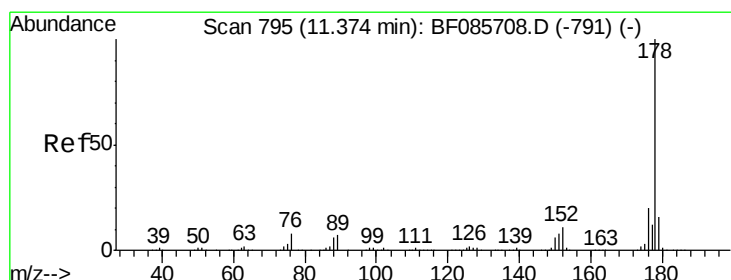
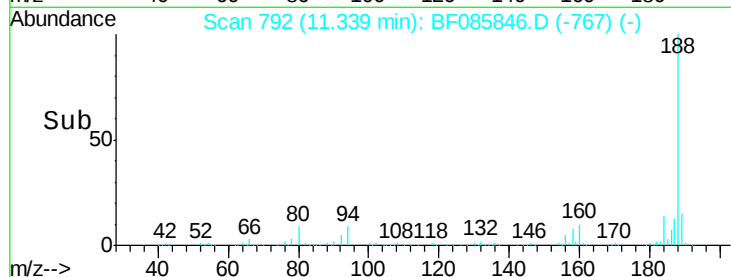
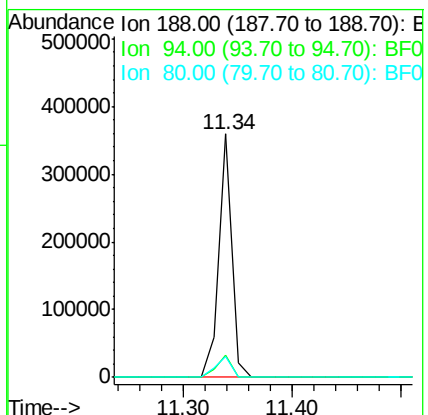
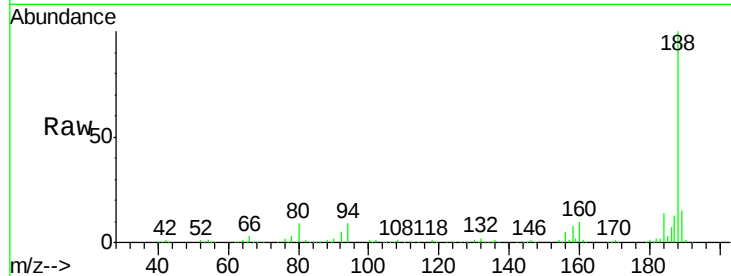
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085846.D
Acq: 29 Mar 2016 12:11

Instrument :
BNA_F
ClientSampleId :
SB-2DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.9	5.4	8.0#
80	8.7	5.5	8.3#

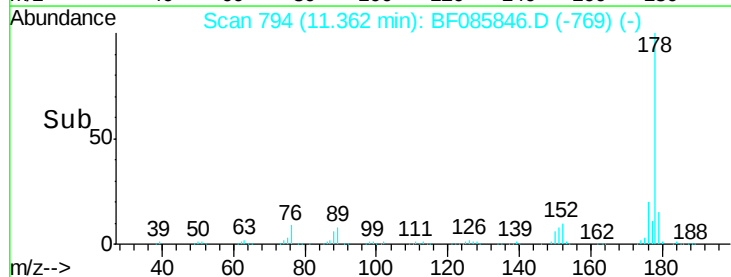
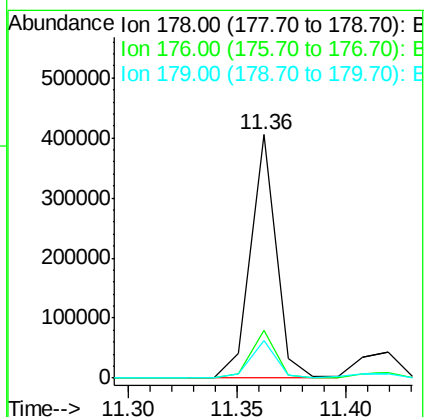
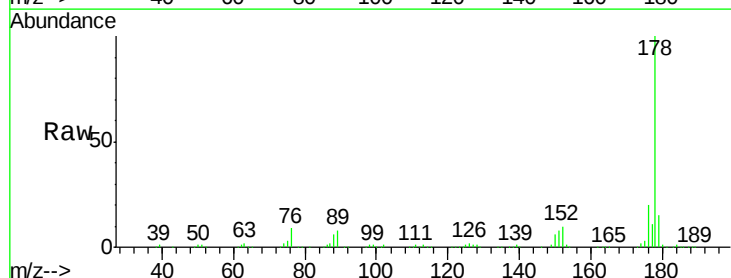
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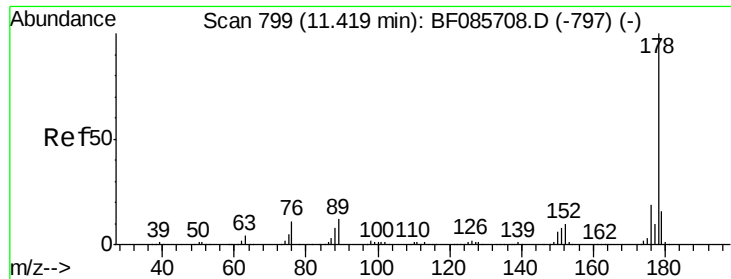
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#70
Phenanthrene
Concen: 21.13 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF085846.D
Acq: 29 Mar 2016 12:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.7	16.3	24.5
179	15.4	12.6	18.8





#71

Anthracene

Concen: 3.62 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF085846.D

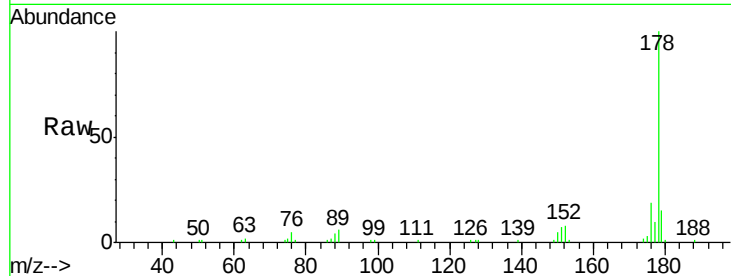
Acq: 29 Mar 2016 12:11

Instrument :

BNA_F

ClientSampled :

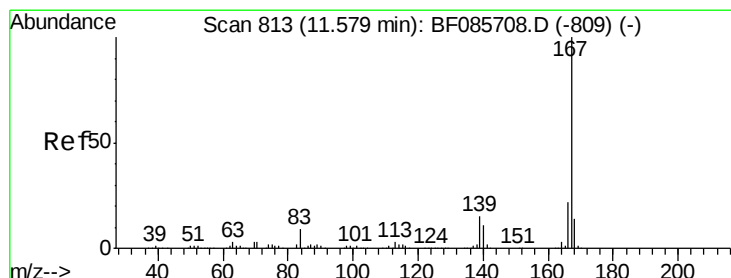
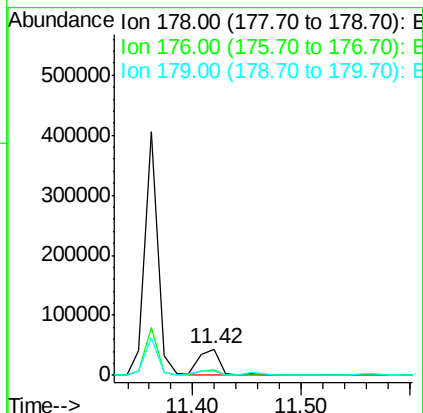
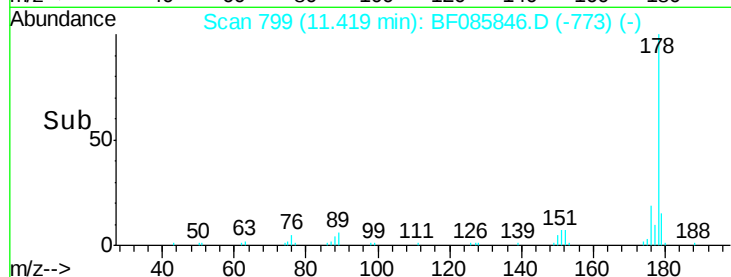
SB-2DL



Tgt Ion:	178	Resp:	59676
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.9	23.9
179	15.2	13.0	19.4

Manual Integrations
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#72

Carbazole

Concen: 2.05 ng

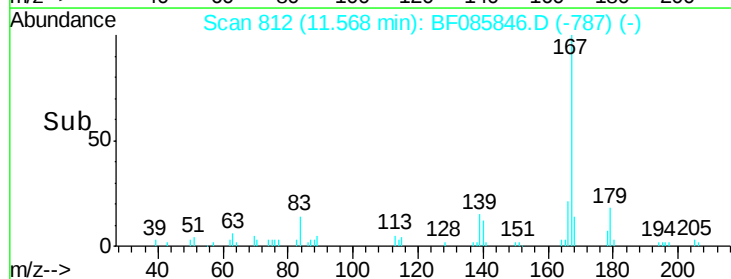
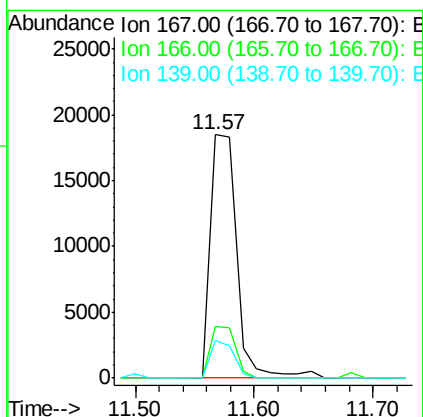
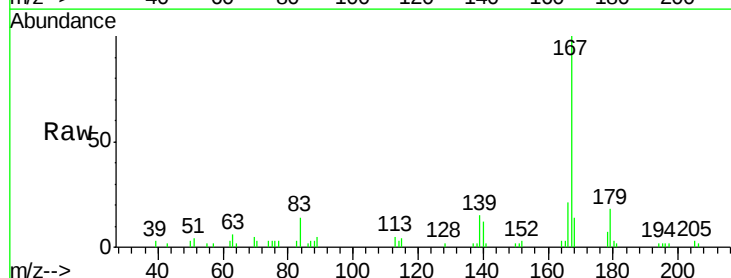
RT: 11.57 min Scan# 812

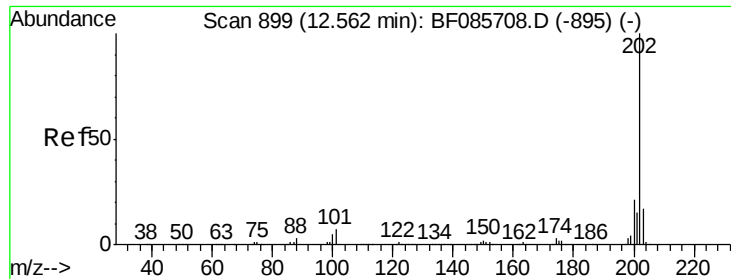
Delta R.T. -0.01 min

Lab File: BF085846.D

Acq: 29 Mar 2016 12:11

Tgt Ion:	167	Resp:	28459
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.8	26.8
139	15.3	11.6	17.4





#74

Fluoranthene

Concen: 28.52 ng

RT: 12.55 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF085846.D

Acq: 29 Mar 2016 12:11

Instrument :

BNA_F

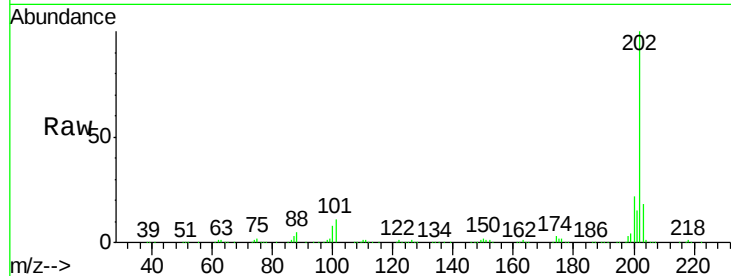
ClientSampled :

SB-2DL

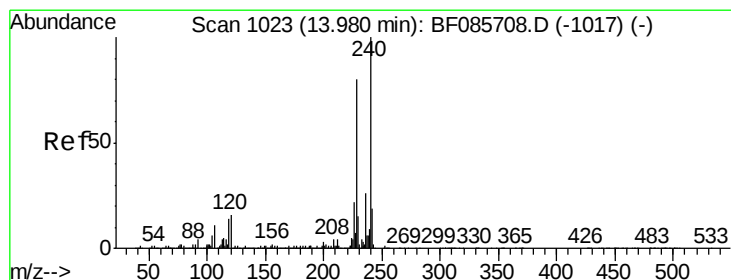
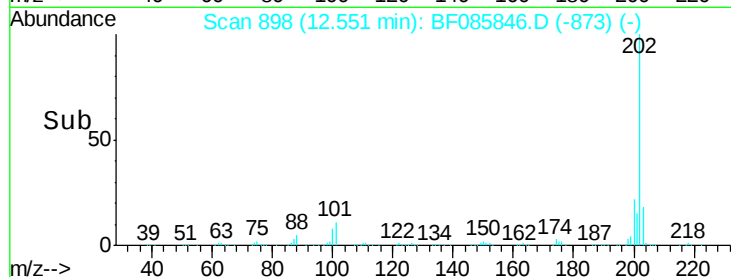
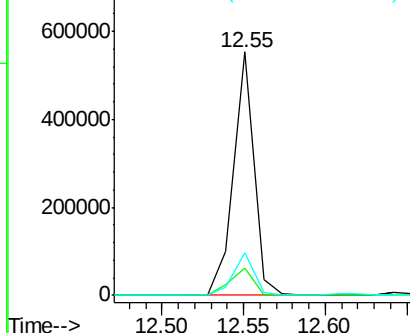
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		476379		
101	11.1	0.0	36.6		
203	17.7	0.0	38.1		

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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

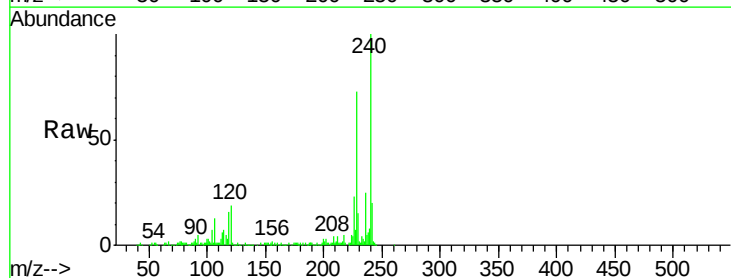
RT: 13.97 min Scan# 1022

Delta R.T. -0.01 min

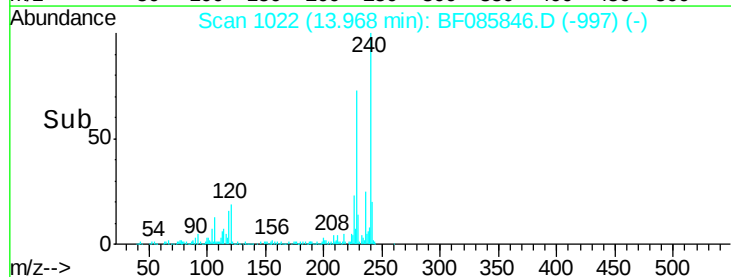
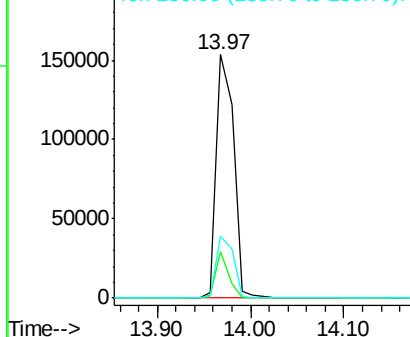
Lab File: BF085846.D

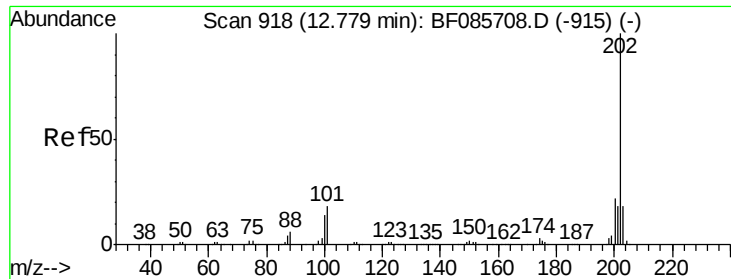
Acq: 29 Mar 2016 12:11

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		197255		
120	19.1	13.8	20.8		
236	25.3	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: 25.77 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085846.D

Acq: 29 Mar 2016 12:11

Instrument :

BNA_F

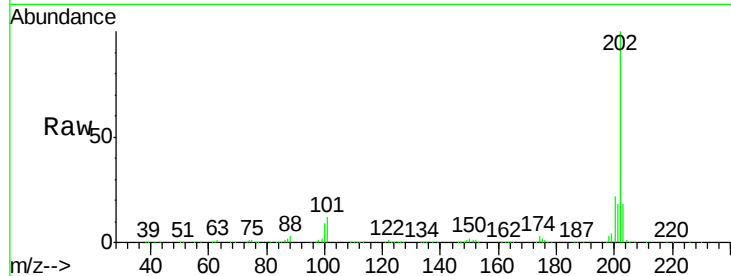
ClientSampleId :

SB-2DL

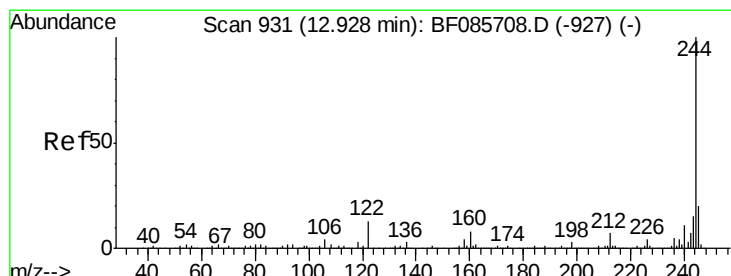
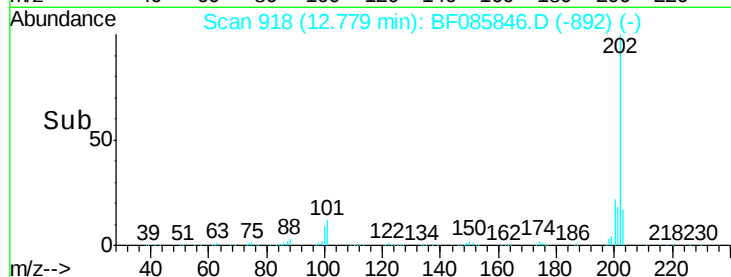
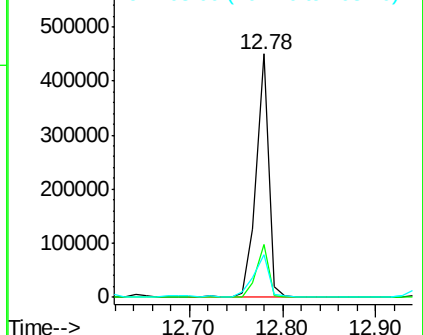
Tgt Ion:	202	Resp:	417919
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.6	26.4
203	17.7	14.0	21.0

Manual Integrations
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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: 0.12 ng

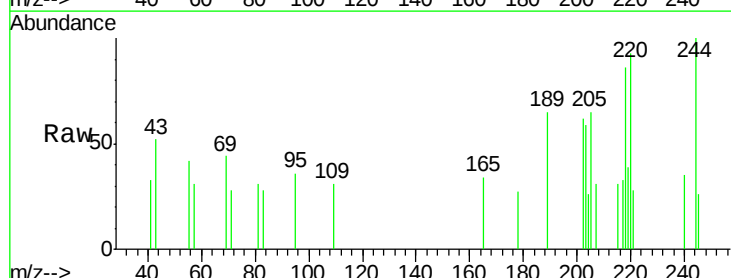
RT: 12.92 min Scan# 930

Delta R.T. -0.01 min

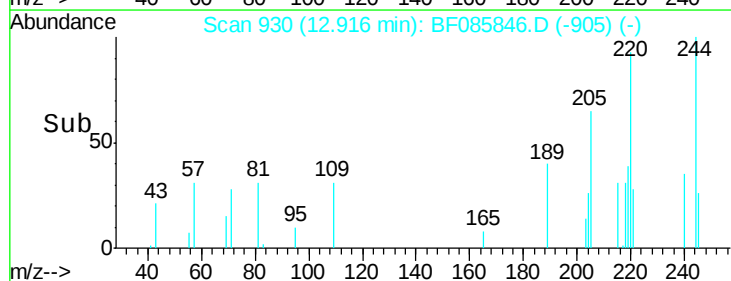
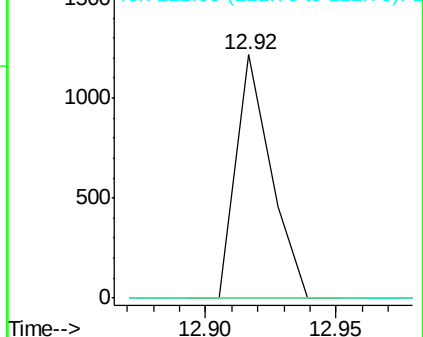
Lab File: BF085846.D

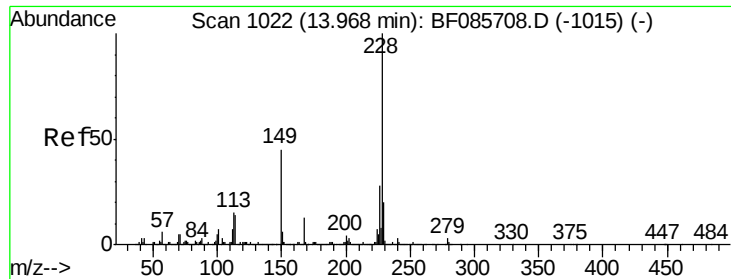
Acq: 29 Mar 2016 12:11

Tgt Ion:	244	Resp:	1147
Ion Ratio	Lower	Upper	
244	100		
212	0.0	6.1	9.1#
122	0.0	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





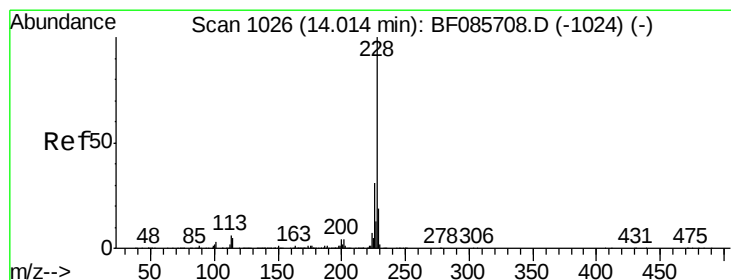
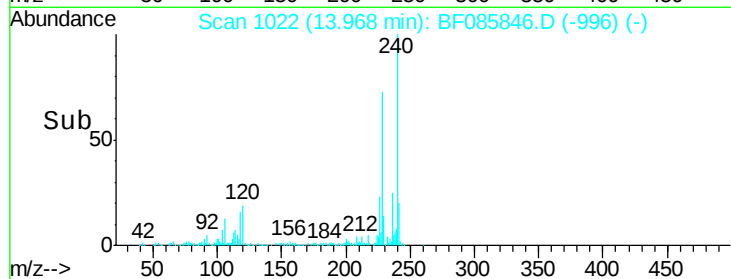
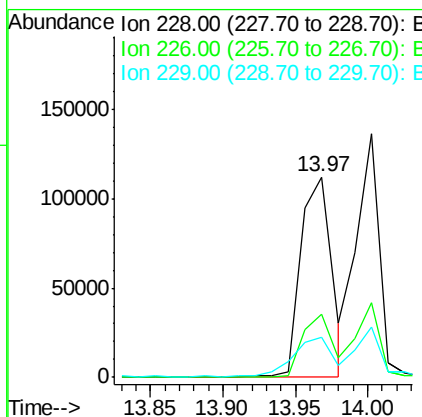
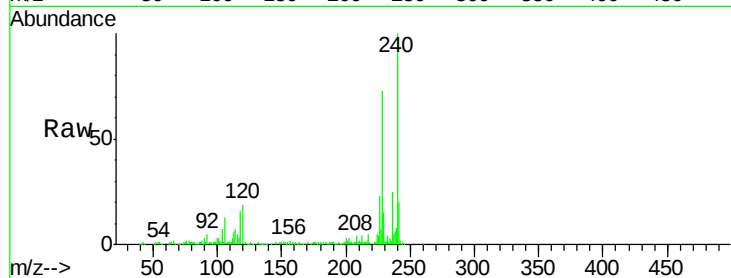
#80
Benzo(a)anthracene
Concen: 14.85 ng
RT: 13.97 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF085846.D
Acq: 29 Mar 2016 12:11

Instrument :
BNA_F
ClientSampleId :
SB-2DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.1	33.1
229	20.1	16.2	24.4

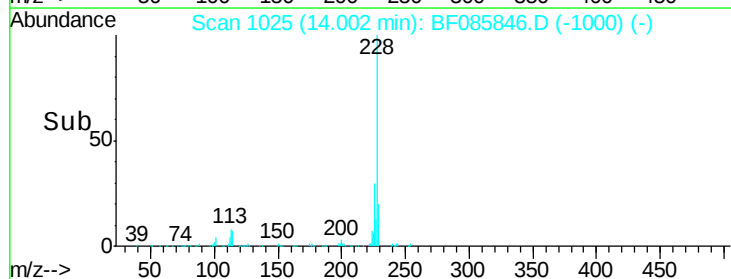
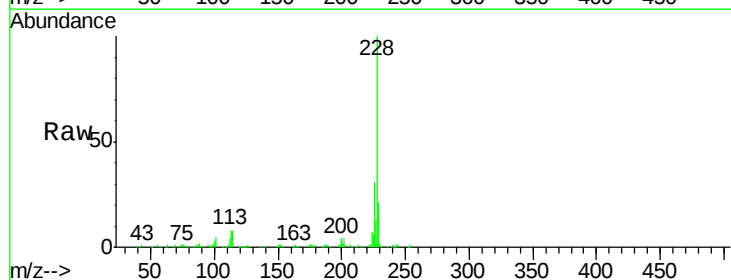
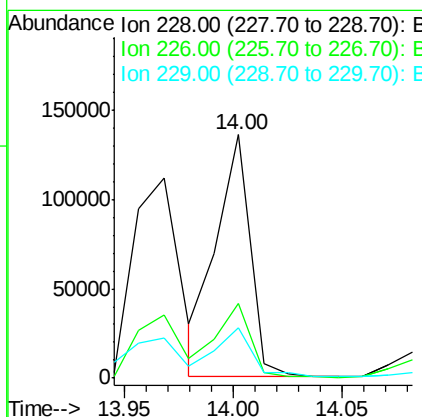
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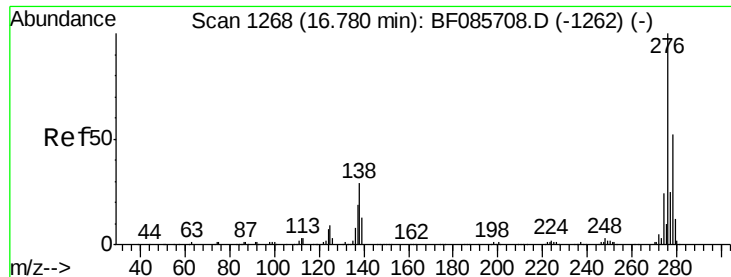
Sohil
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#82
Chrysene
Concen: 12.98 ng
RT: 14.00 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF085846.D
Acq: 29 Mar 2016 12:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	20.9	15.7	23.5





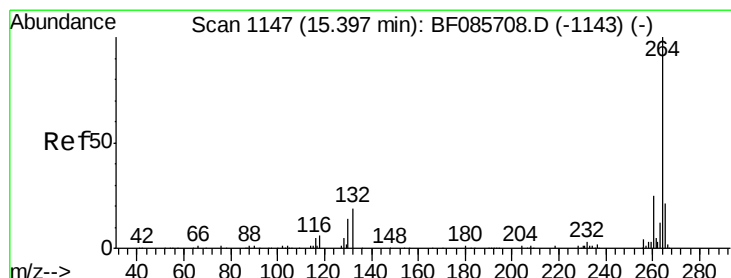
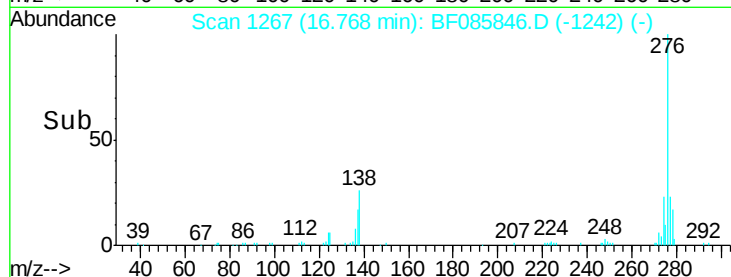
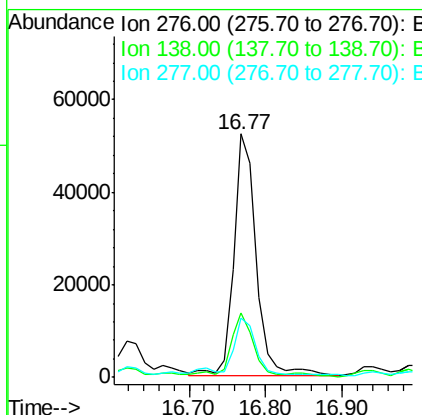
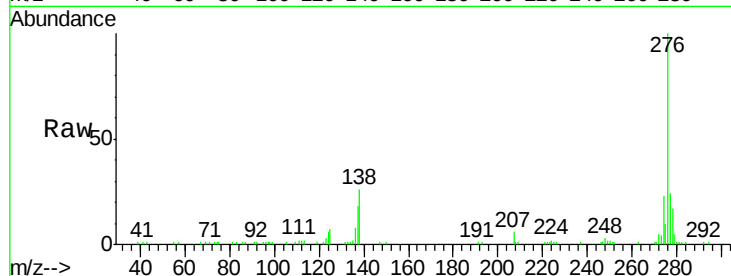
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.11 ng
 RT: 16.77 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-2DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.0	24.2	36.4
277	25.9	20.0	30.0

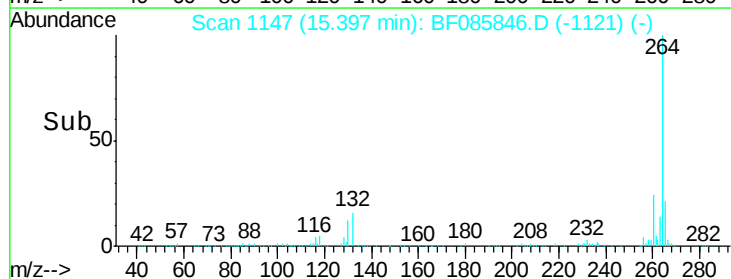
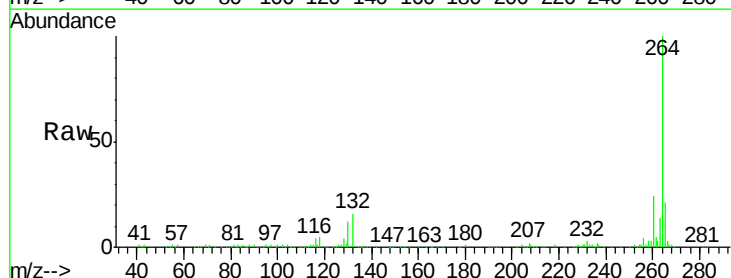
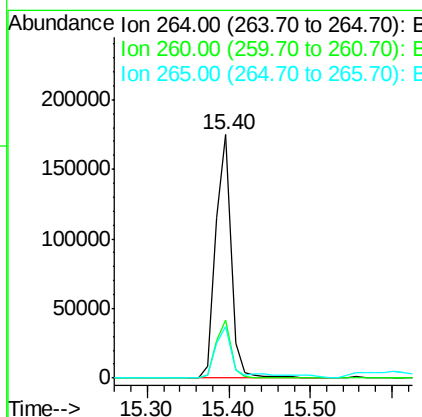
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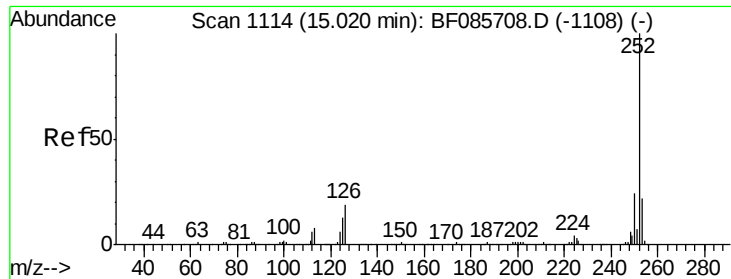
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF085846.D
 Acq: 29 Mar 2016 12:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 16.75 ng m

RT: 14.99 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BF085846.D

Acq: 29 Mar 2016 12:11

Instrument :

BNA_F

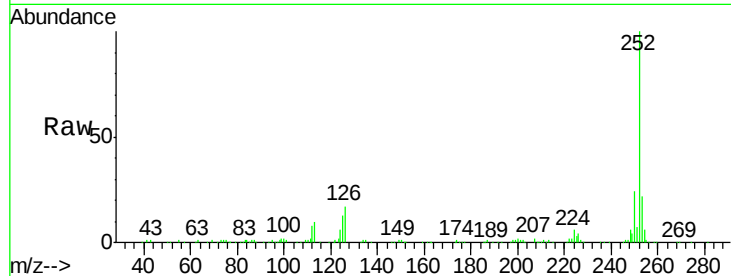
ClientSampleId :

SB-2DL

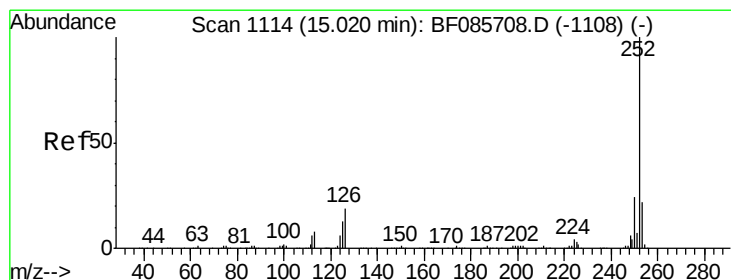
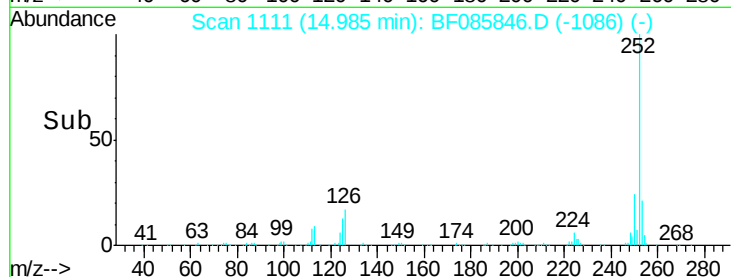
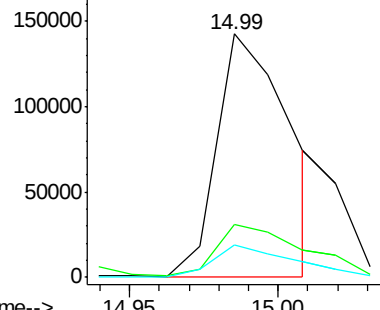
Tgt Ion:	252	Resp:	242827
Ion Ratio		Lower	Upper
252	100		
253	21.8	17.6	26.4
125	13.2	10.3	15.5

Manual Integrations
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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: 3.45 ng m

RT: 15.01 min Scan# 1113

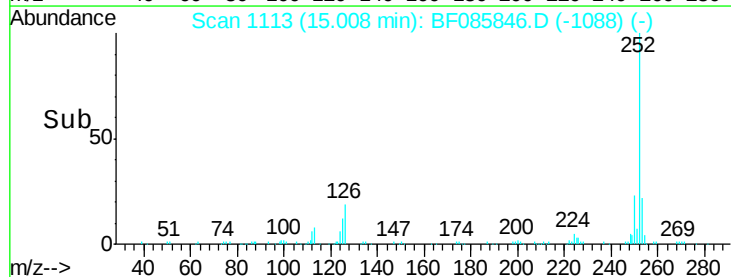
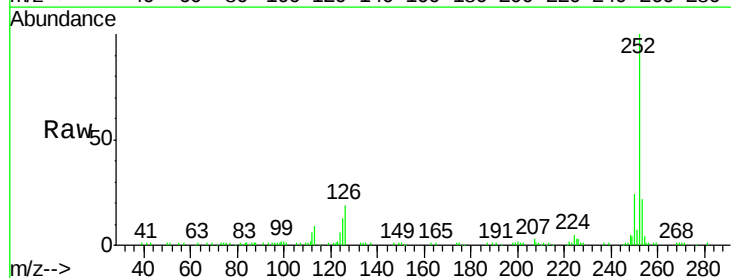
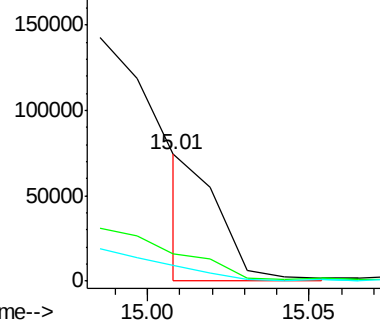
Delta R.T. -0.01 min

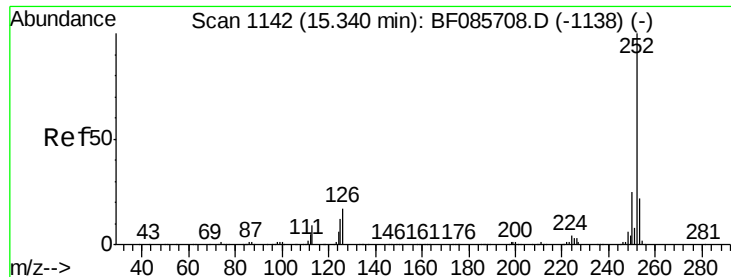
Lab File: BF085846.D

Acq: 29 Mar 2016 12:11

Tgt Ion:	252	Resp:	45153
Ion Ratio		Lower	Upper
252	100		
253	21.7	17.8	26.6
125	12.8	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





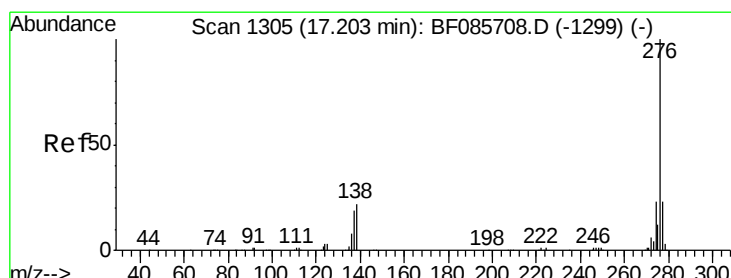
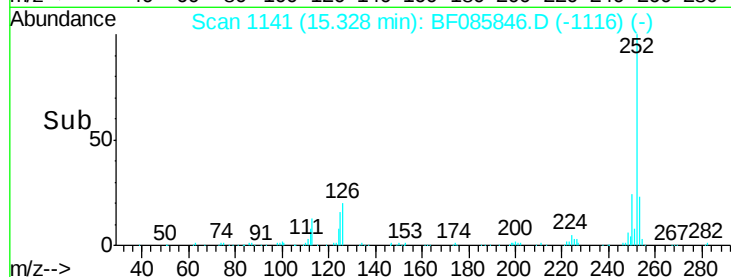
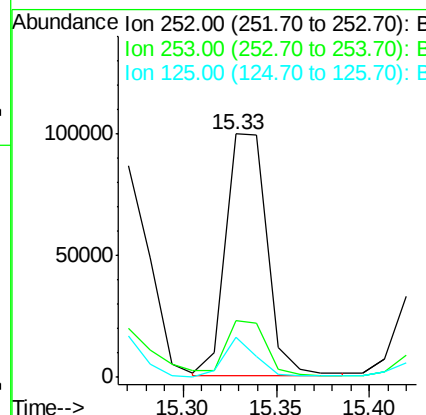
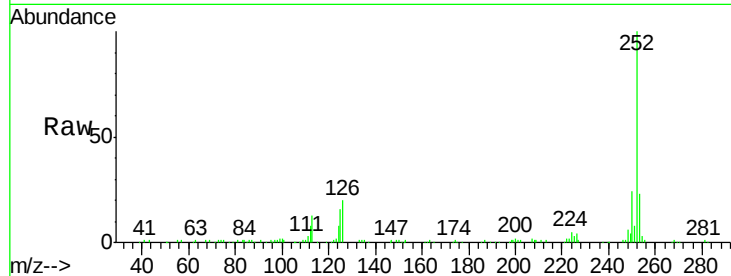
#89
Benzo(a)pyrene
Concen: 11.97 ng
RT: 15.33 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF085846.D
Acq: 29 Mar 2016 12:11

Instrument :
BNA_F
ClientSampled :
SB-2DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.2	17.4	26.0
125	16.4	10.3	15.5#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.12 ng
RT: 17.19 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF085846.D
Acq: 29 Mar 2016 12:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.5	18.8	28.2
138	23.9	22.6	34.0

