

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
 Data File : BF085291.D
 Acq On : 9 Mar 2016 7:54
 Operator : UM/SJ
 Sample : H1712-10
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-32-COMP-0.5-4.0

Manual Integrations
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Quant Time: Mar 09 10:09:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	151622	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	478506	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	206952	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	335173	20.00	ng	-0.02
75) Chrysene-d12	14.12	240	277121	20.00	ng	-0.03
86) Perylene-d12	15.59	264	294774	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1410495	156.04	ng	0.00
7) Phenol-d6	6.60	99	1740555	146.97	ng	-0.01
23) Nitrobenzene-d5	7.52	82	954455	106.74	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	259813	146.72	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	1297393	95.34	ng	-0.02
78) Terphenyl-d14	13.06	244	875663	73.35	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.72	163	230391	14.50	ng	Qvalue 99
70) Phenanthrene	11.51	178	106169	6.04	ng	96
74) Fluoranthene	12.70	202	208032	11.80	ng	96
77) Pyrene	12.93	202	185293	8.88	ng	96
80) Benzo(a)anthracene	14.11	228	109871	6.62	ng	99
82) Chrysene	14.15	228	86246m	5.63	ng	
85) Indeno(1,2,3-cd)pyrene	17.04	276	51550	4.31	ng	94
87) Benzo(b)fluoranthene	15.16	252	119684m	6.09	ng	
88) Benzo(k)fluoranthene	15.17	252	58882m	3.72	ng	
89) Benzo(a)pyrene	15.52	252	86958	5.34	ng	# 94
91) Benzo(g,h,i)perylene	17.49	276	51129	3.66	ng	98

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

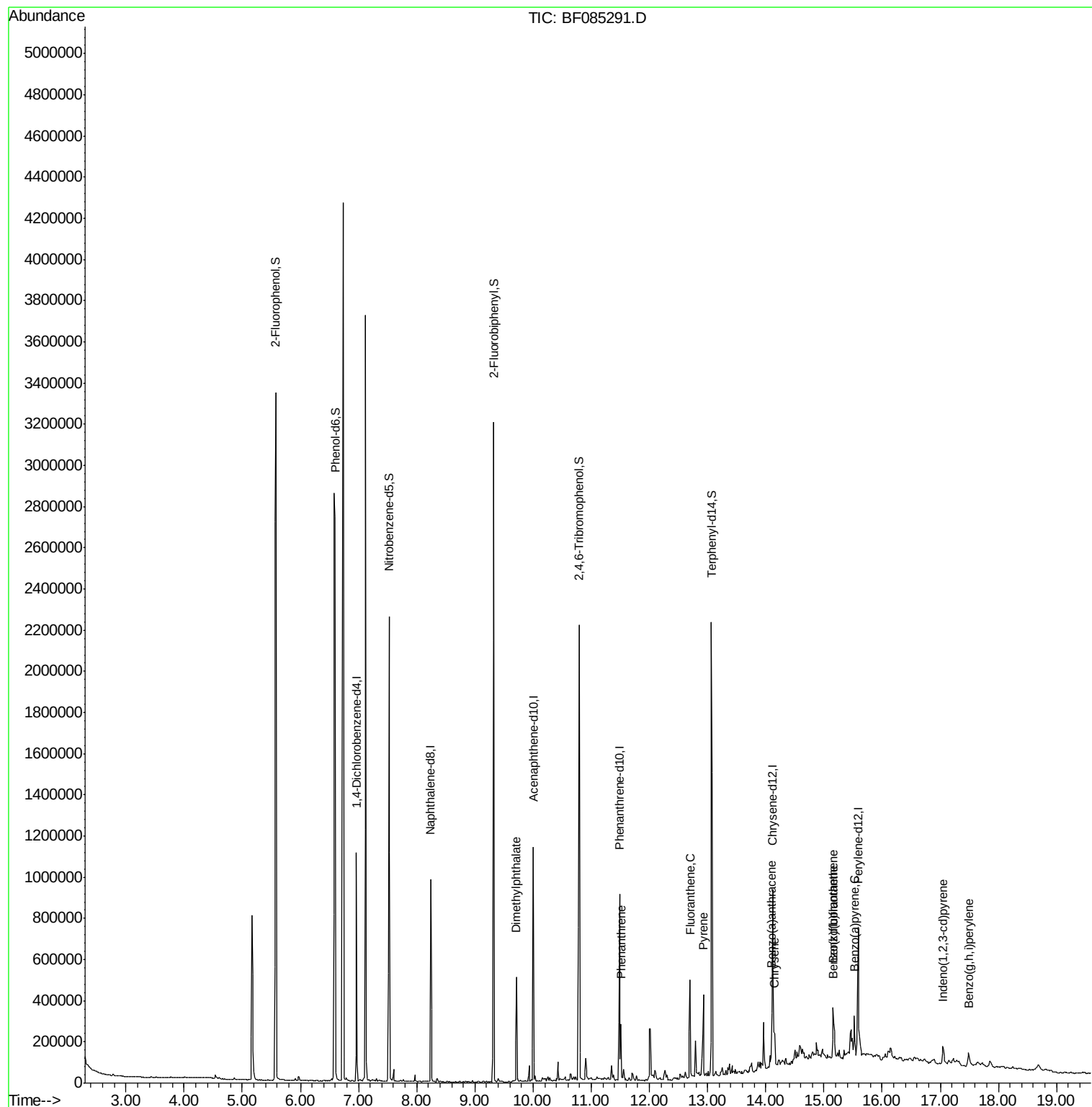
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
Data File : BF085291.D
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Operator : UM/SJ
Sample : H1712-10
Misc :
ALS Vial : 36 Sample Multiplier: 1

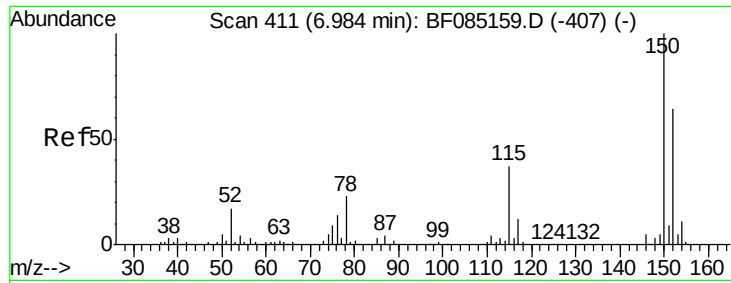
Instrument :
BNA_F
ClientSampleId :
SB-32-COMP-0.5-4.0

Manual Integrations
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3/9/2016 3:28:53 PM

Quant Time: Mar 09 10:09:04 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration





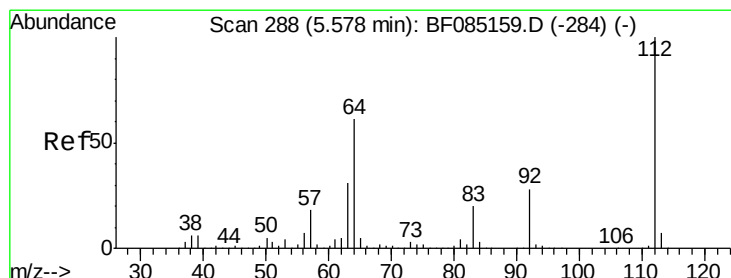
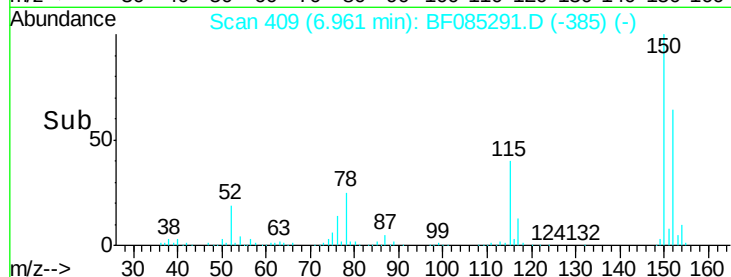
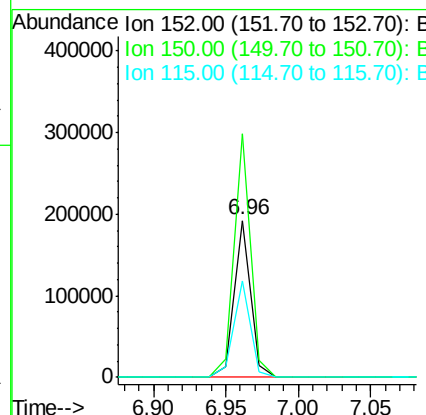
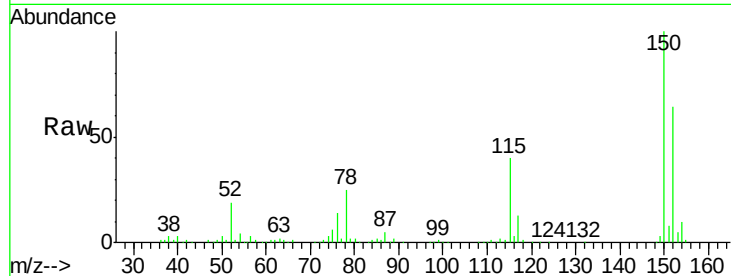
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.96 min Scan# 409
 Delta R.T. -0.02 min
 Lab File: BF085291.D
 Acq: 9 Mar 2016 7:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-32-COMP-0.5-4.0

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	151622		
150	155.5	124.6	186.8	
115	61.8	46.6	70.0	

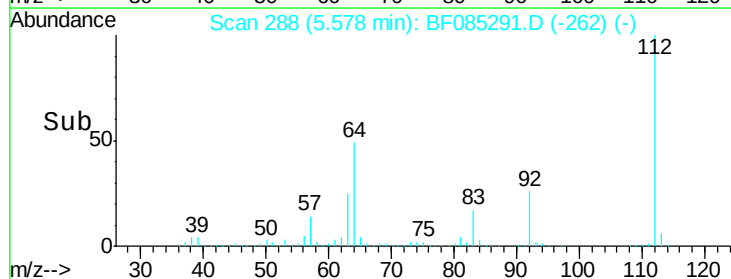
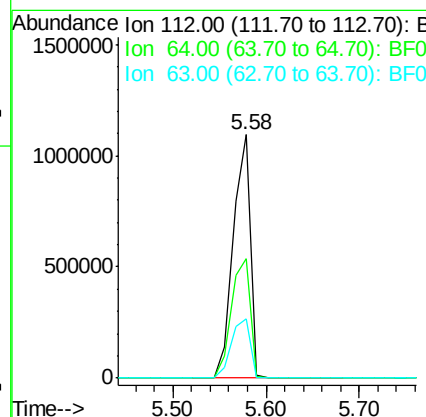
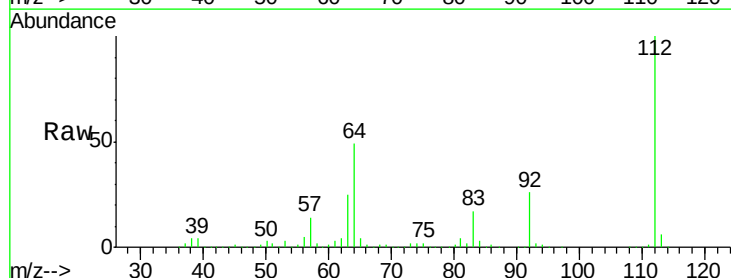
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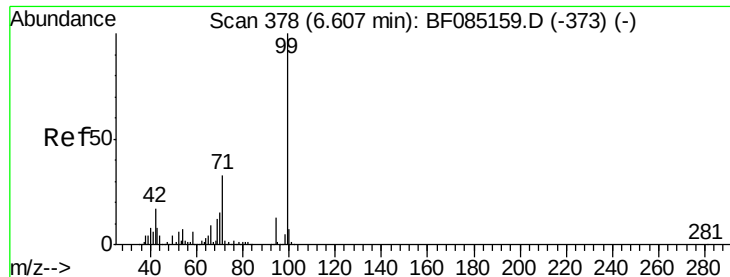
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#5
 2-Fluorophenol
 Concen: 156.04 ng
 RT: 5.58 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: BF085291.D
 Acq: 9 Mar 2016 7:54

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1410495		
64	48.9	49.0	73.4#	
63	24.6	24.8	37.2#	





#7

Phenol-d6

Concen: 146.97 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085291.D

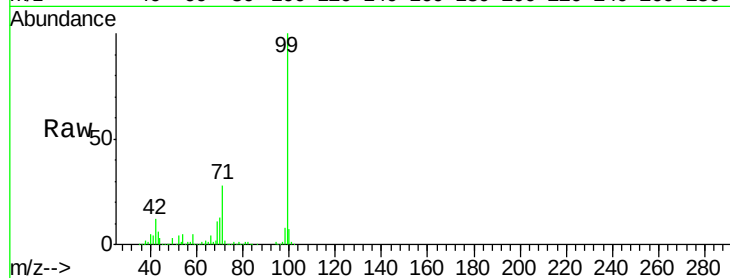
Acq: 9 Mar 2016 7:54

Instrument :

BNA_F

ClientSampleId :

SB-32-COMP-0.5-4.0



Tgt Ion: 99 Resp: 1740555

Ion Ratio Lower Upper

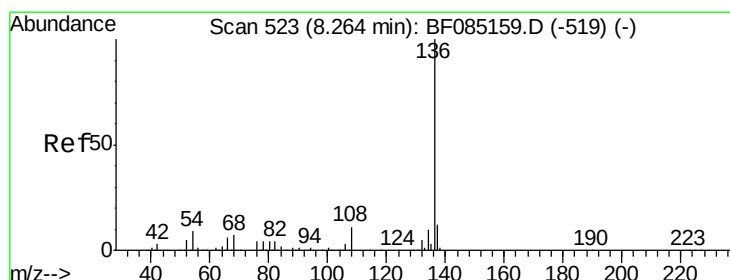
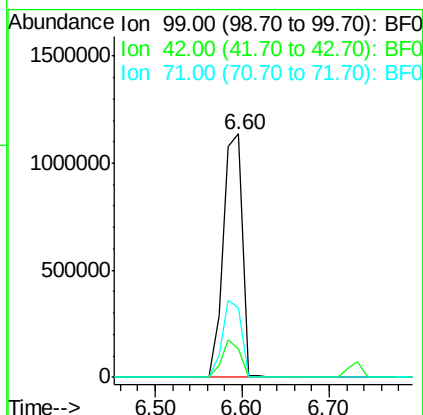
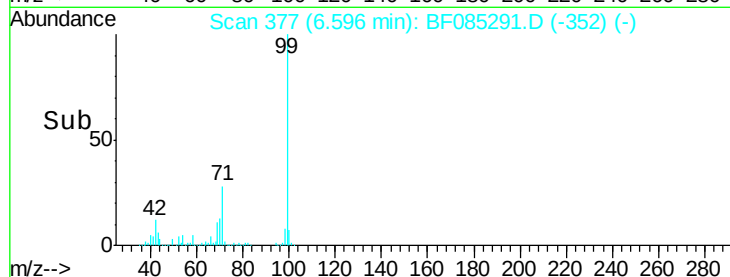
99 100

42 11.7 13.6 20.4#

71 28.3 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.24 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF085291.D

Acq: 9 Mar 2016 7:54

Tgt Ion: 136 Resp: 478506

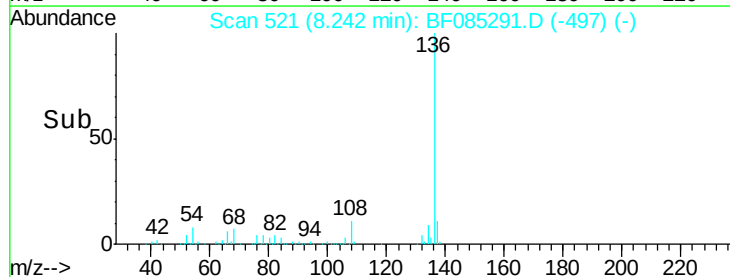
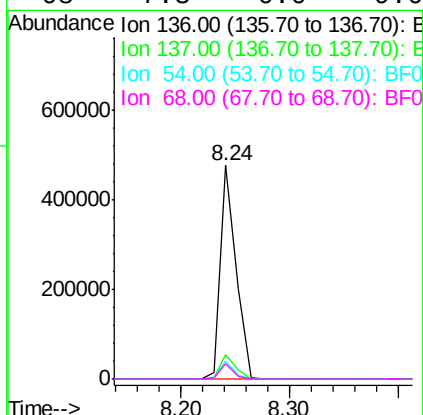
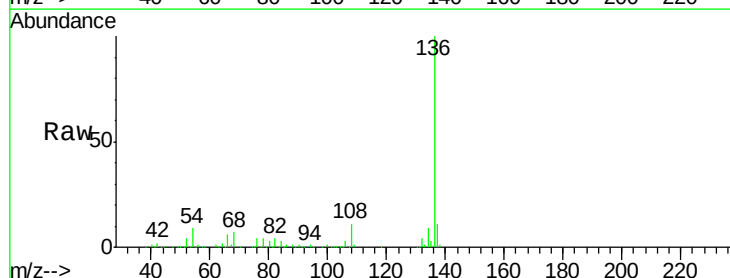
Ion Ratio Lower Upper

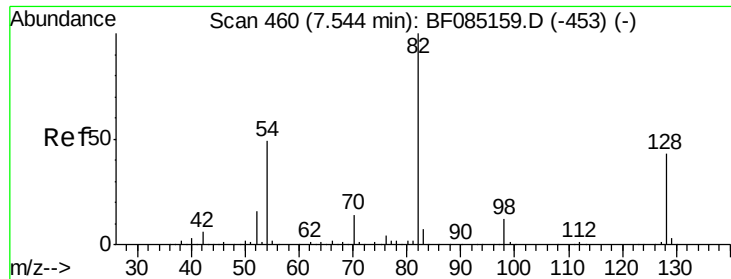
136 100

137 11.4 9.3 13.9

54 8.6 7.4 11.2

68 7.3 6.0 9.0





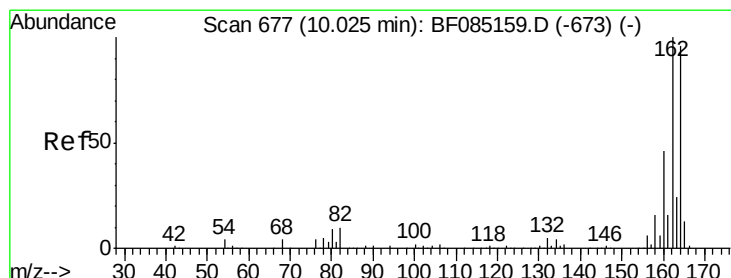
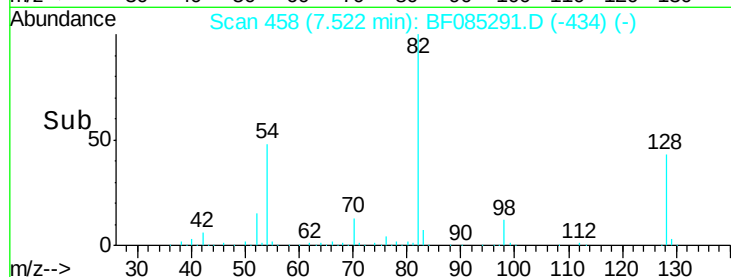
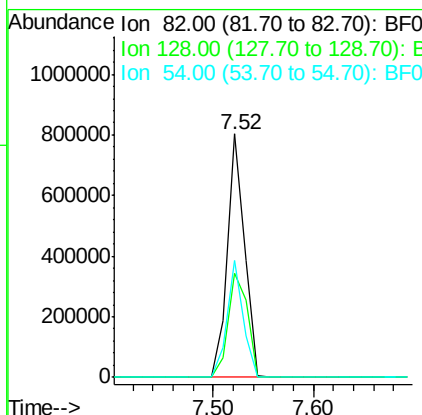
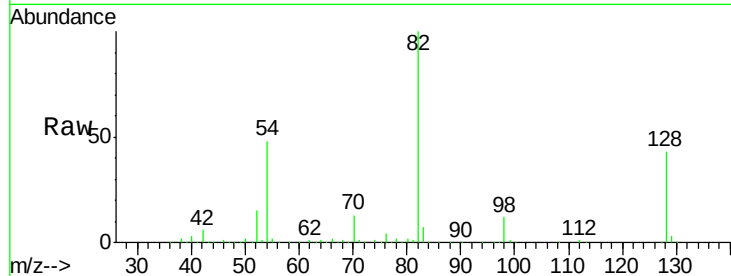
#23
 Nitrobenzene-d5
 Concen: 106.74 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF085291.D
 Acq: 9 Mar 2016 7:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-32-COMP-0.5-4.0

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	954455		
128	42.9	34.5	51.7	
54	47.8	39.3	58.9	

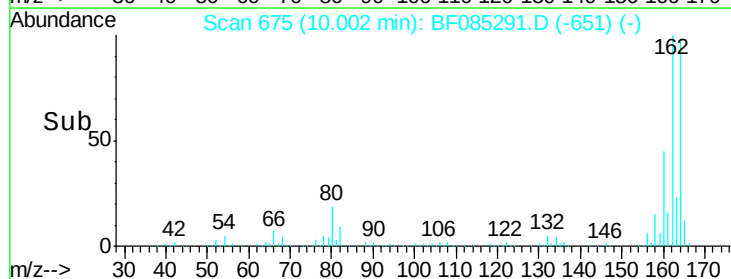
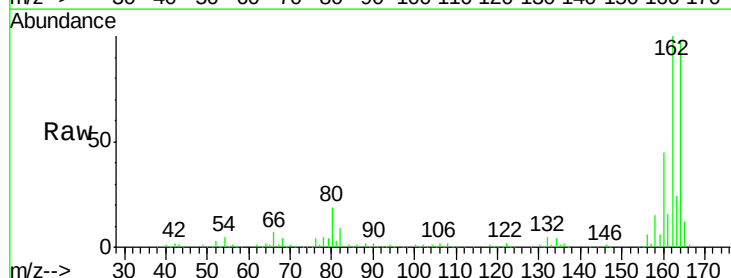
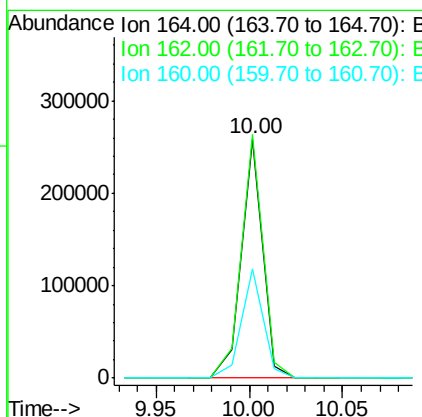
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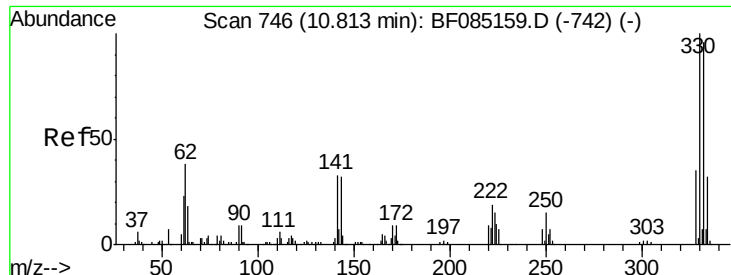
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.00 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF085291.D
 Acq: 9 Mar 2016 7:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	206952		
162	102.0	83.3	124.9	
160	45.8	37.9	56.9	





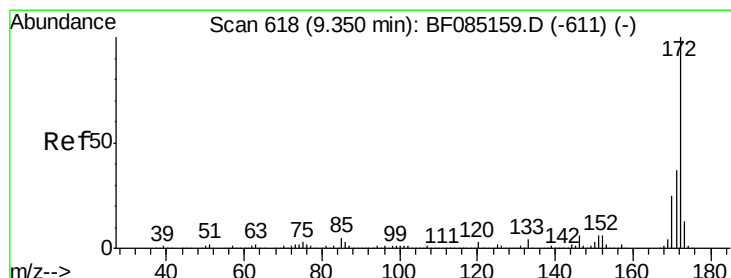
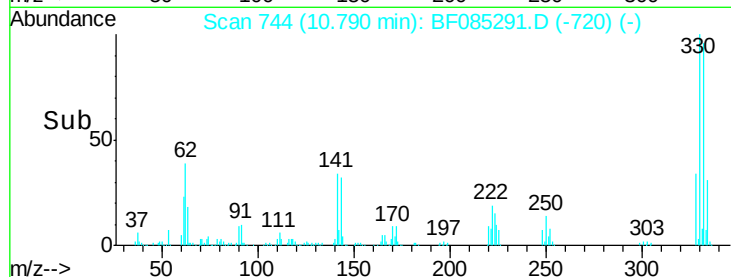
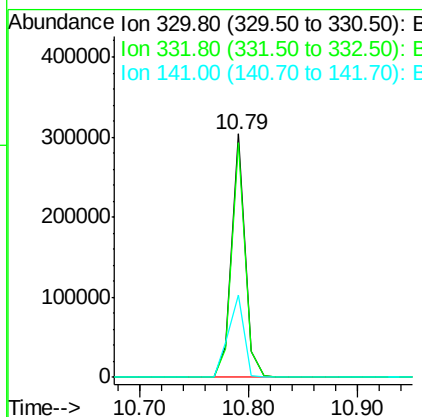
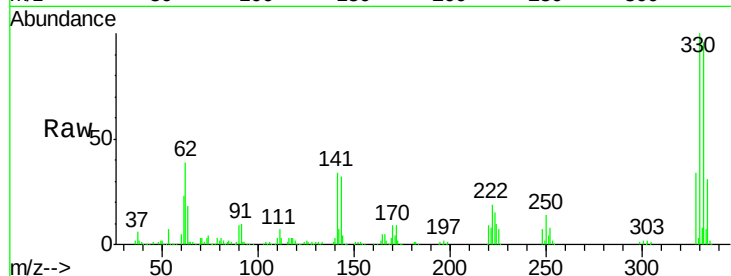
#41
 2,4,6-Tribromophenol
 Concen: 146.72 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF085291.D
 Acq: 9 Mar 2016 7:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-32-COMP-0.5-4.0

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	259813		
332	96.5	77.1	115.7	
141	40.2	35.0	52.6	

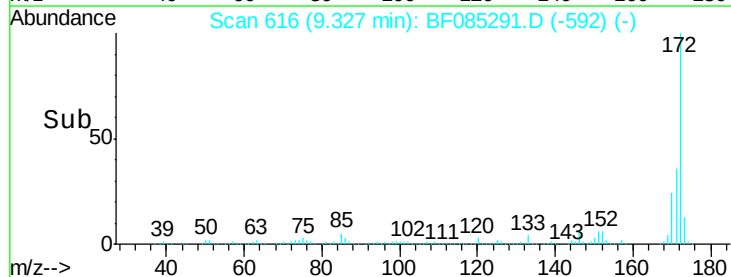
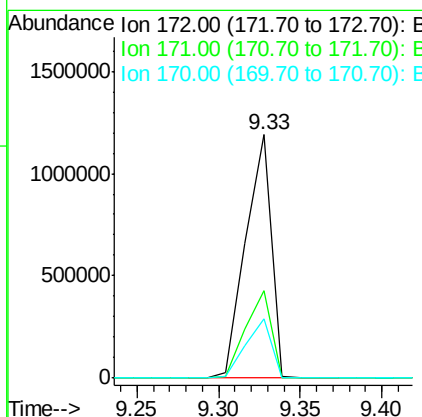
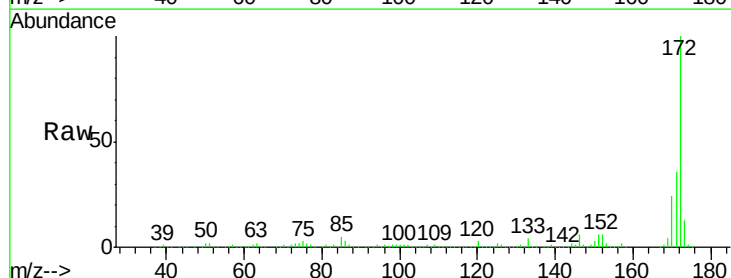
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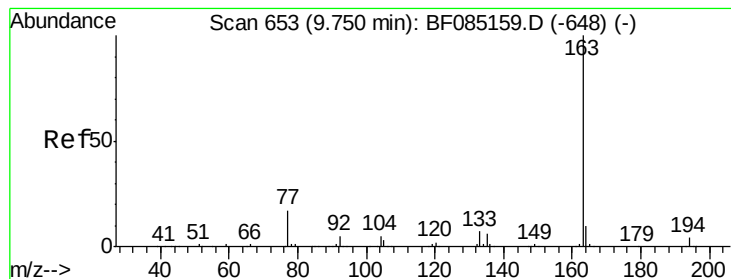
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#44
 2-Fluorobiphenyl
 Concen: 95.34 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085291.D
 Acq: 9 Mar 2016 7:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1297393		
171	36.2	29.3	43.9	
170	24.4	20.0	30.0	





#49

Dimethylphthalate

Concen: 14.50 ng

RT: 9.72 min Scan# 650

Delta R.T. -0.03 min

Lab File: BF085291.D

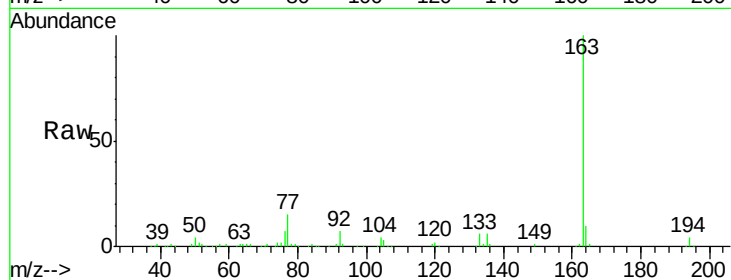
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Instrument :

BNA_F

ClientSampleId :

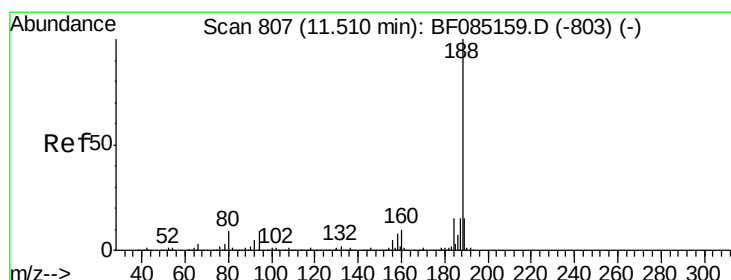
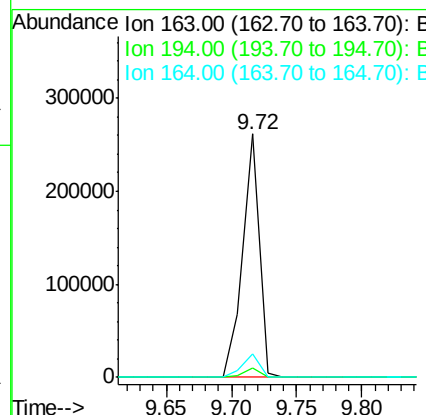
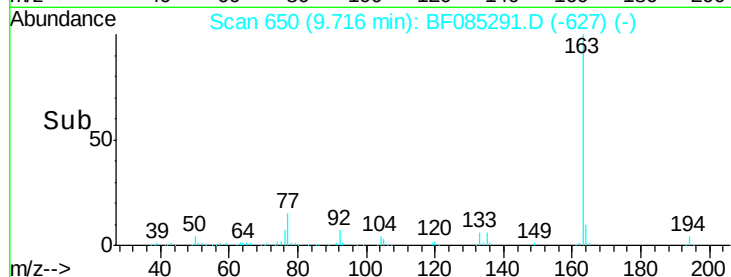
SB-32-COMP-0.5-4.0



Tgt Ion:	163	Resp:	230391
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.1	4.7
164	9.8	8.2	12.4

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#63

Phenanthrene-d10

Concen: 20.00 ng

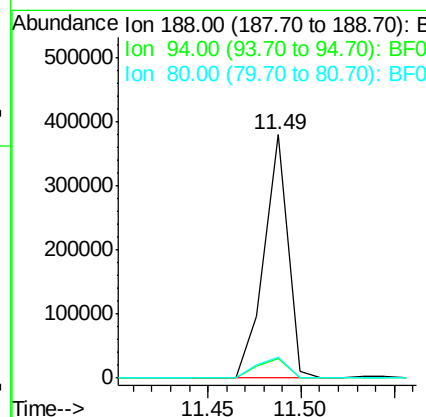
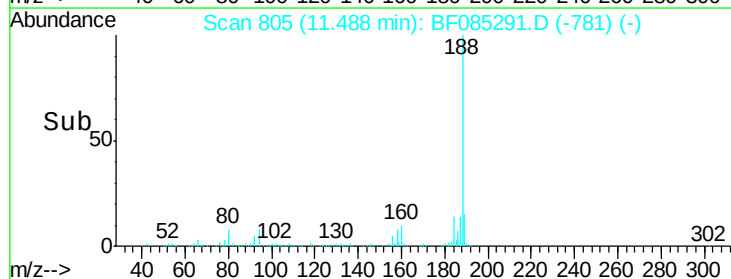
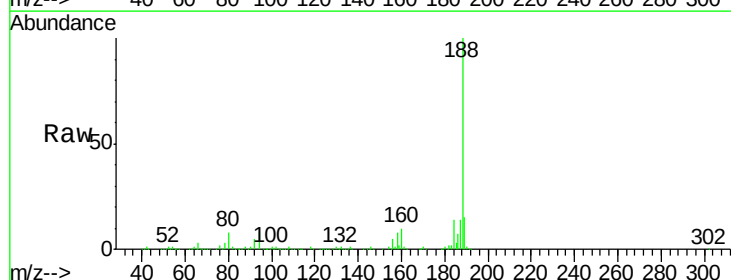
RT: 11.49 min Scan# 805

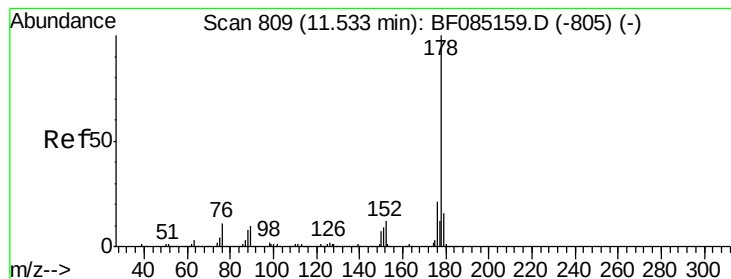
Delta R.T. -0.02 min

Lab File: BF085291.D

Acq: 9 Mar 2016 7:54

Tgt Ion:	188	Resp:	335173
Ion Ratio	Lower	Upper	
188	100		
94	8.2	7.0	10.6
80	8.4	7.4	11.0





#70

Phenanthrene

Concen: 6.04 ng

RT: 11.51 min Scan# 807

Delta R.T. -0.02 min

Lab File: BF085291.D

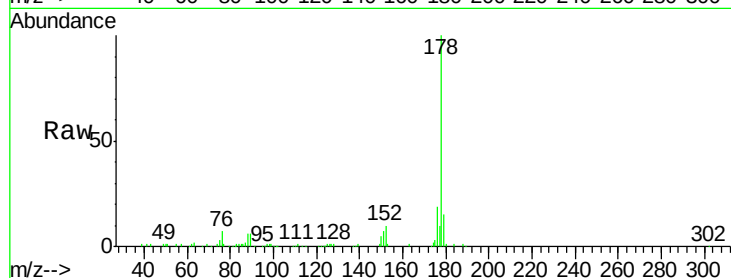
Acq: 9 Mar 2016 7:54

Instrument :

BNA_F

ClientSampleId :

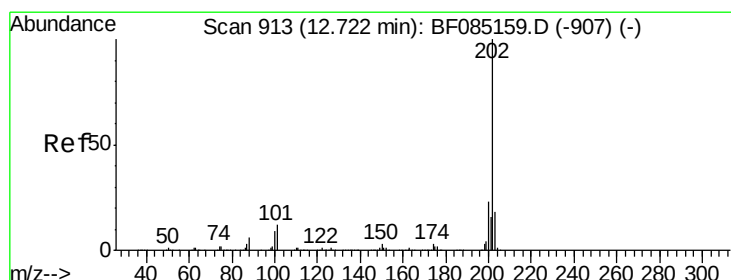
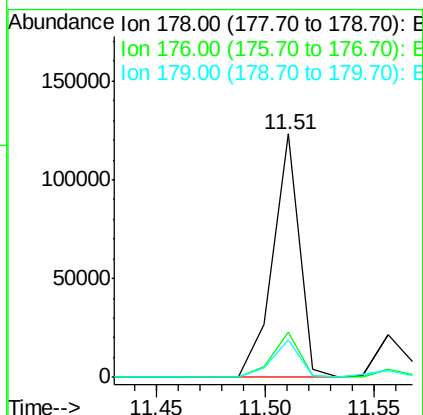
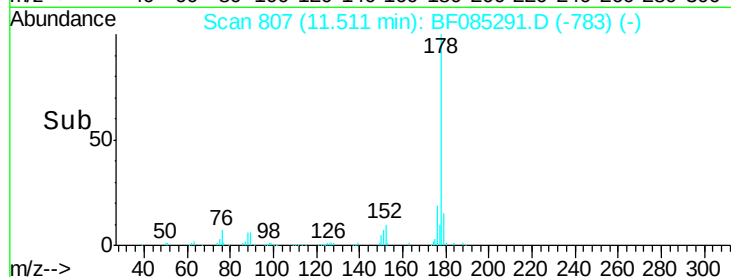
SB-32-COMP-0.5-4.0



Tgt Ion:	178	Resp:	106169
Ion Ratio	Lower	Upper	
178	100		
176	18.8	16.8	25.2
179	15.4	13.1	19.7

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#74

Fluoranthene

Concen: 11.80 ng

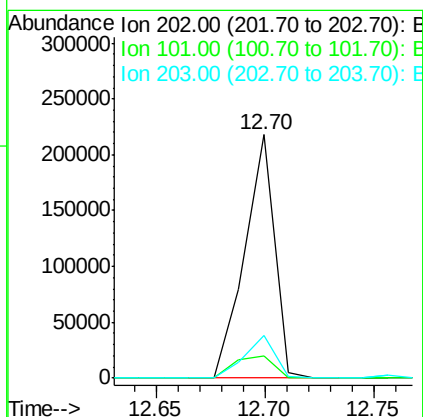
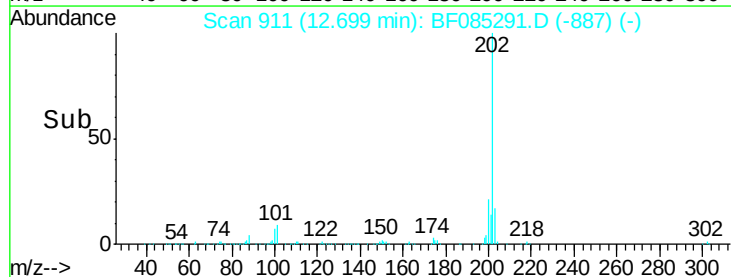
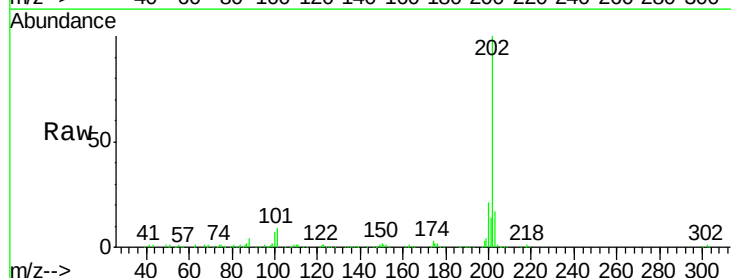
RT: 12.70 min Scan# 911

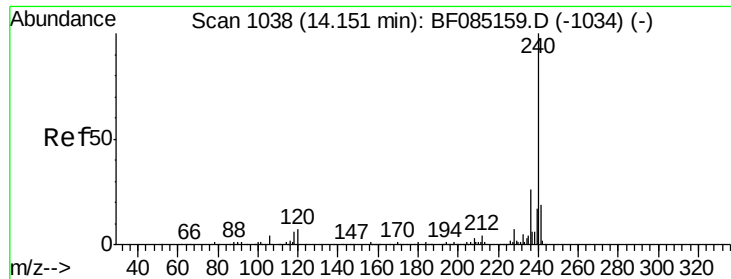
Delta R.T. -0.02 min

Lab File: BF085291.D

Acq: 9 Mar 2016 7:54

Tgt Ion:	202	Resp:	208032
Ion Ratio	Lower	Upper	
202	100		
101	8.9	0.0	31.8
203	17.3	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF085291.D

Acq: 9 Mar 2016 7:54

Instrument :

BNA_F

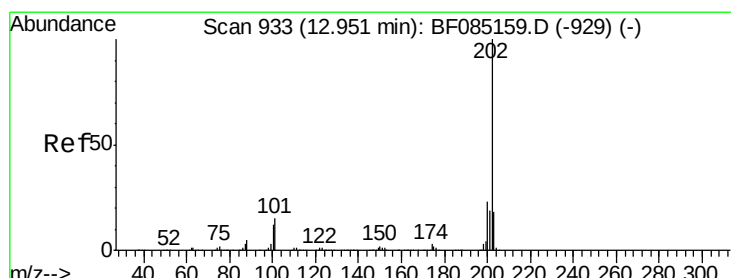
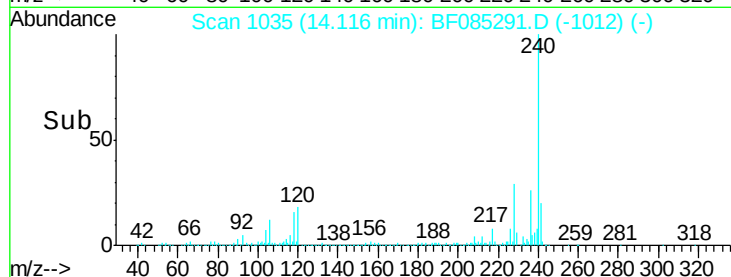
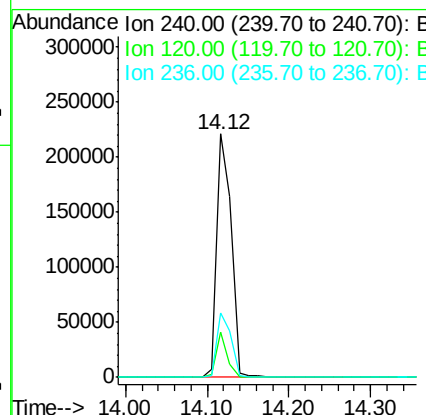
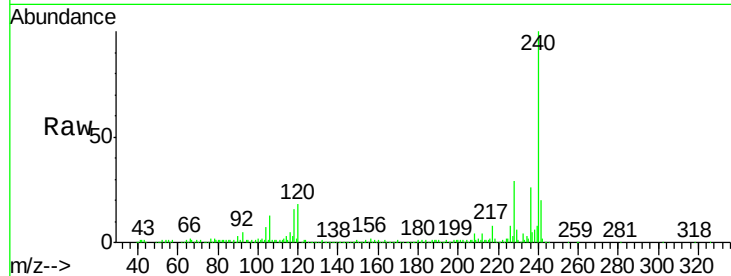
ClientSampleId :

SB-32-COMP-0.5-4.0

Tgt Ion:	240	Resp:	277121
Ion Ratio	Lower	Upper	
240	100		
120	18.4	5.3	7.9#
236	26.3	20.7	31.1

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#77

Pyrene

Concen: 8.88 ng

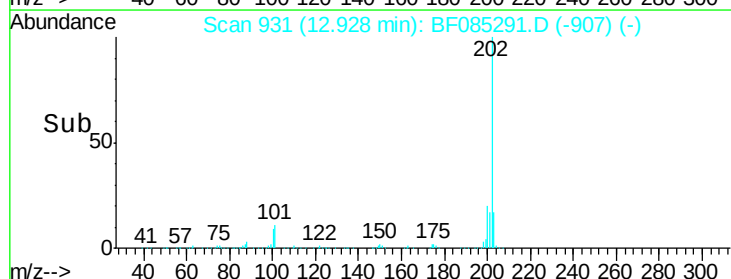
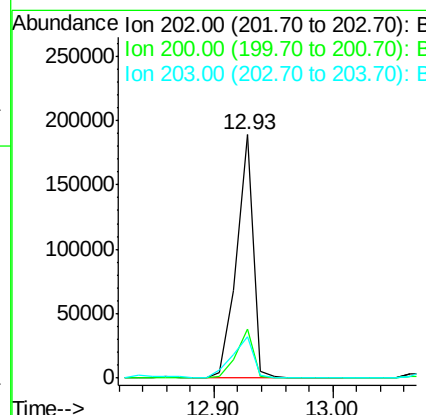
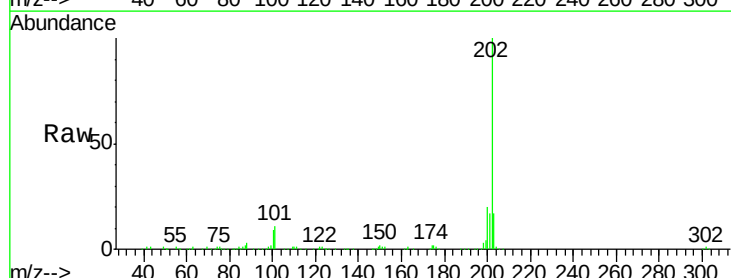
RT: 12.93 min Scan# 931

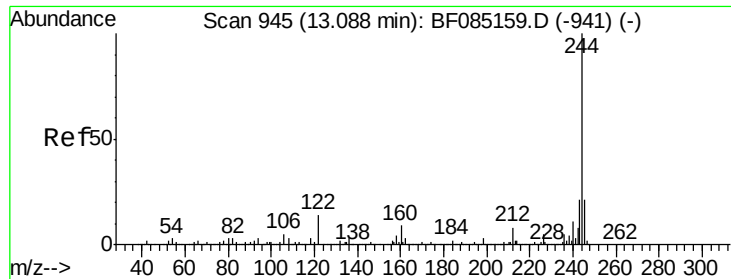
Delta R.T. -0.02 min

Lab File: BF085291.D

Acq: 9 Mar 2016 7:54

Tgt Ion:	202	Resp:	185293
Ion Ratio	Lower	Upper	
202	100		
200	20.3	18.2	27.4
203	17.2	14.7	22.1





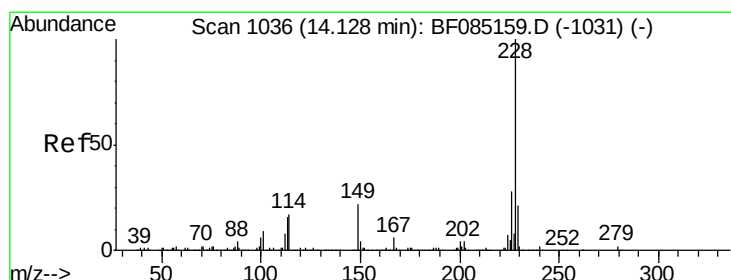
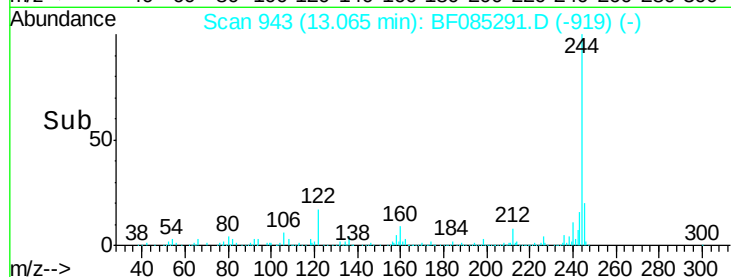
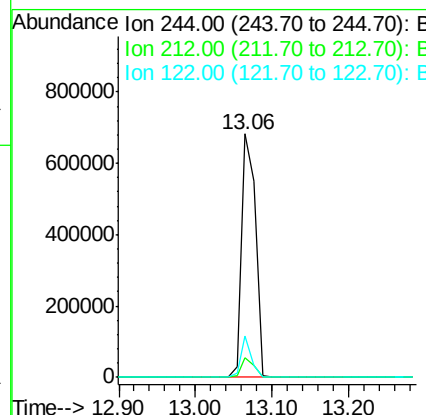
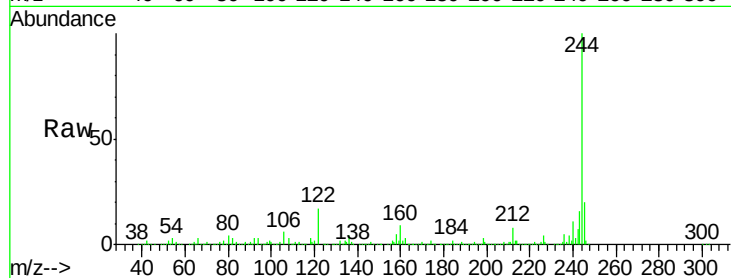
#78
 Terphenyl-d14
 Concen: 73.35 ng
 RT: 13.06 min Scan# 943
 Delta R.T. -0.02 min
 Lab File: BF085291.D
 Acq: 9 Mar 2016 7:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-32-COMP-0.5-4.0

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.8	6.4	9.6
122	17.2	11.4	17.2#

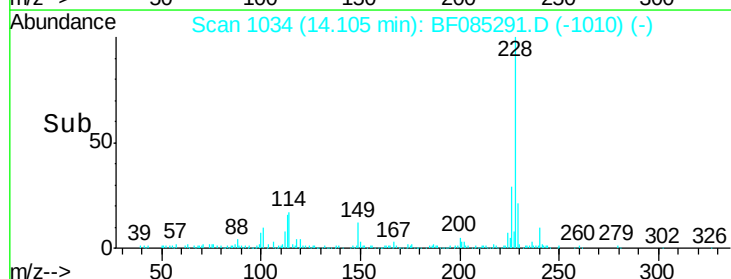
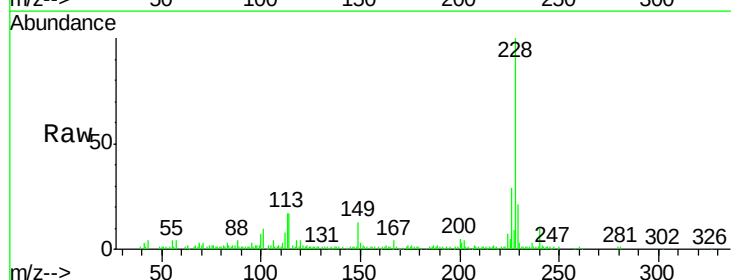
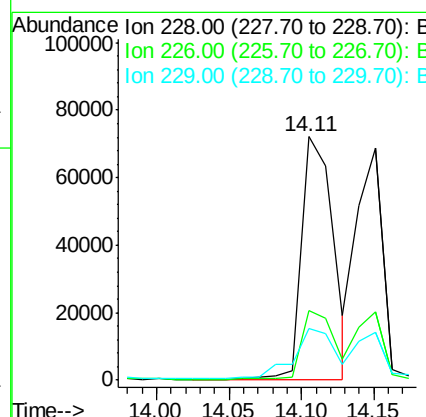
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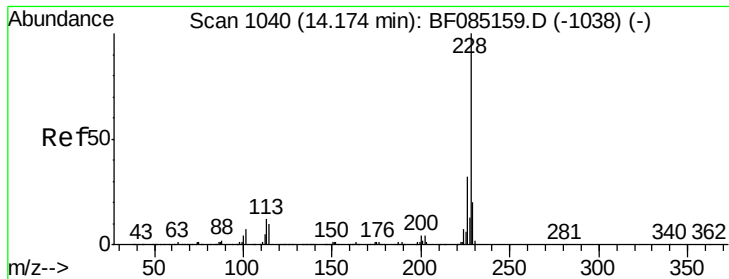
Sohil
 3/9/2016 3:28:53 PM



#80
 Benzo(a)anthracene
 Concen: 6.62 ng
 RT: 14.11 min Scan# 1034
 Delta R.T. -0.02 min
 Lab File: BF085291.D
 Acq: 9 Mar 2016 7:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.6	22.8	34.2
229	21.4	16.6	24.8





#82

Chrysene

Concen: 5.63 ng m

RT: 14.15 min Scan# 1038

Delta R.T. -0.02 min

Lab File: BF085291.D

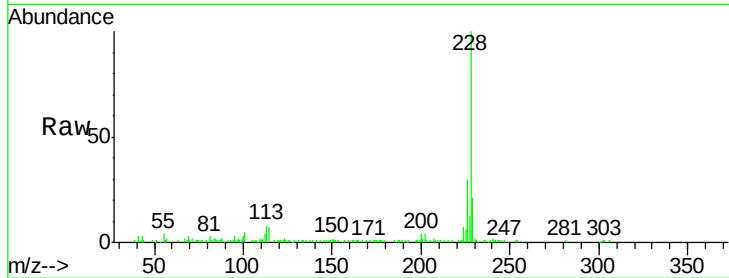
Acq: 9 Mar 2016 7:54

Instrument :

BNA_F

ClientSampleId :

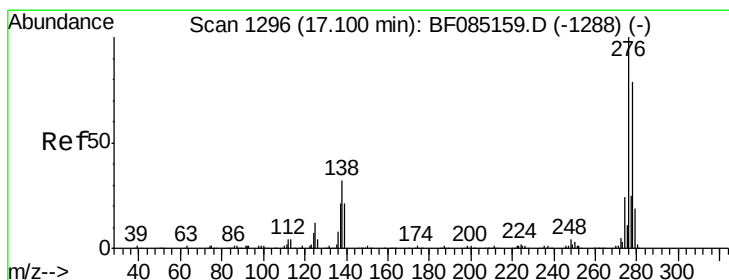
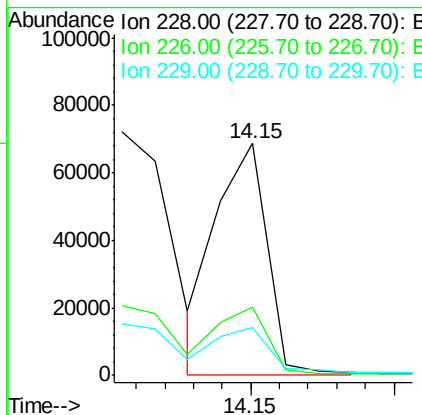
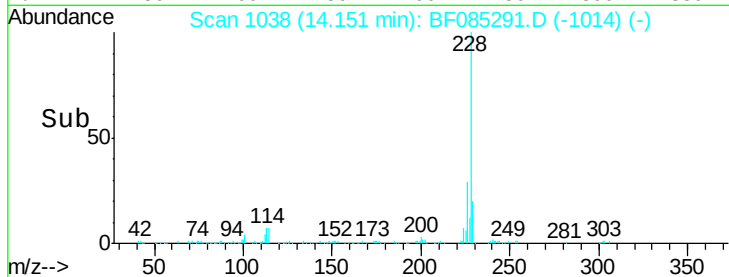
SB-32-COMP-0.5-4.0



Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.2	37.8
229	20.8	16.0	24.0

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.31 ng

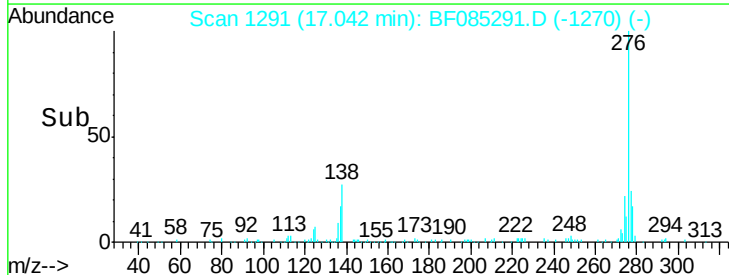
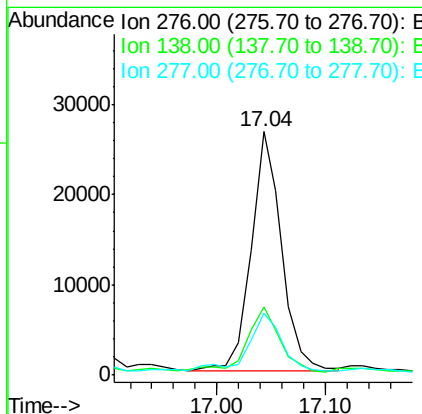
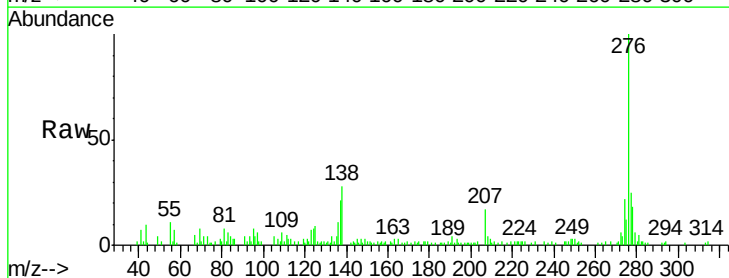
RT: 17.04 min Scan# 1291

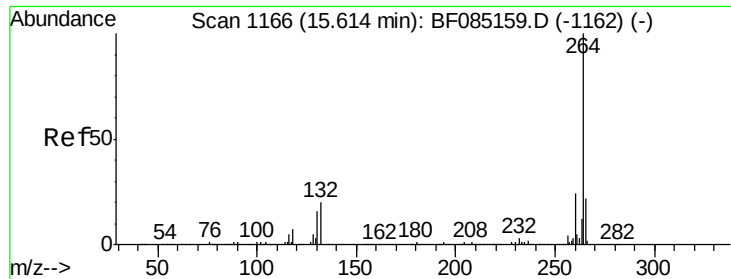
Delta R.T. -0.06 min

Lab File: BF085291.D

Acq: 9 Mar 2016 7:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.1	26.4	39.6
277	27.3	20.2	30.2





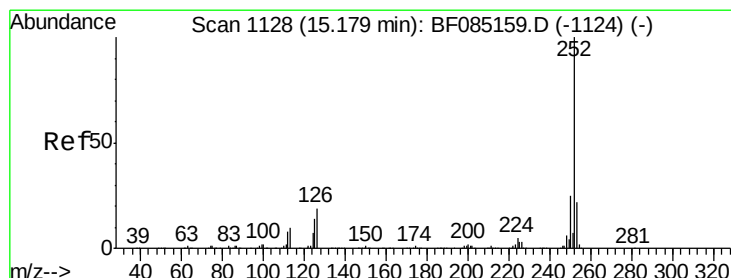
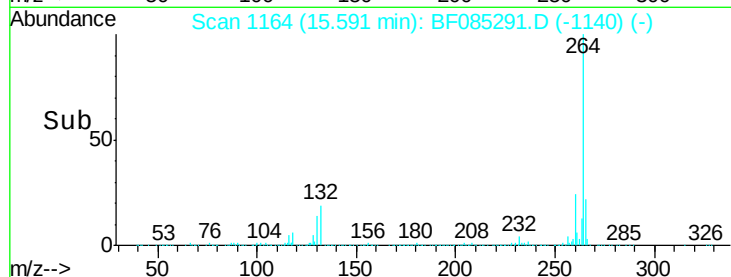
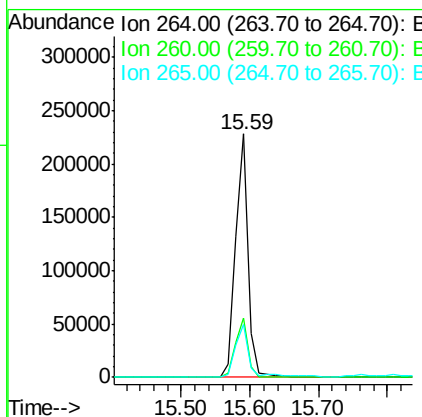
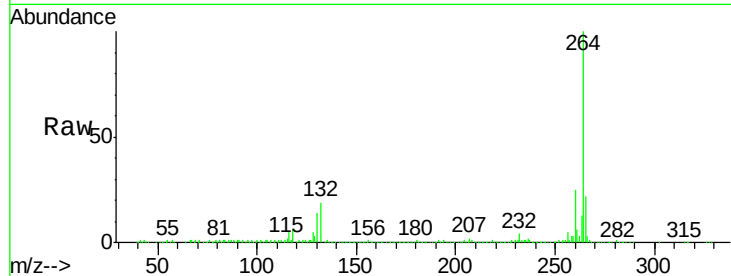
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF085291.D
Acq: 9 Mar 2016 7:54

Instrument :
BNA_F
ClientSampleId :
SB-32-COMP-0.5-4.0

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.8	17.3	25.9

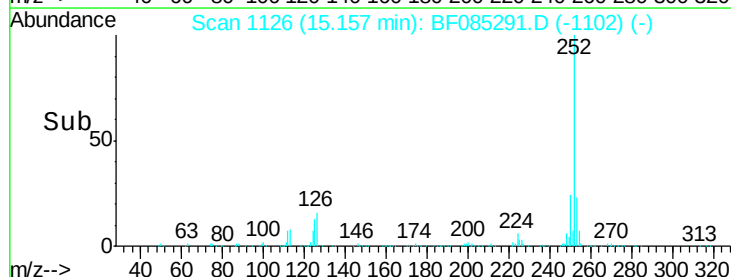
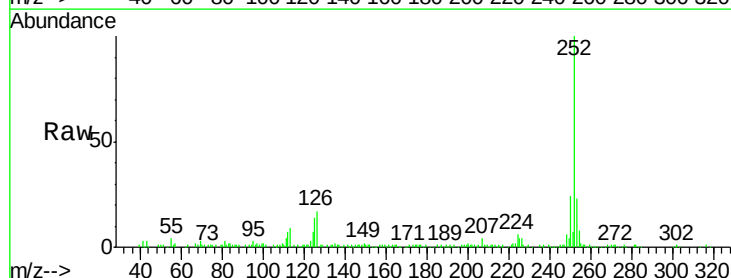
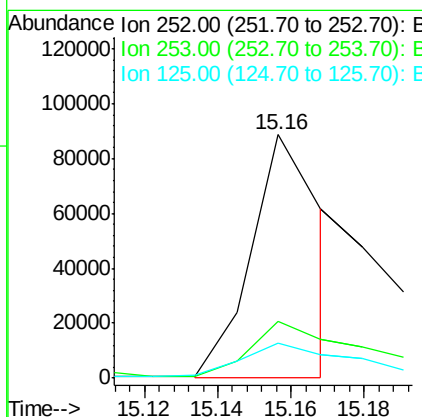
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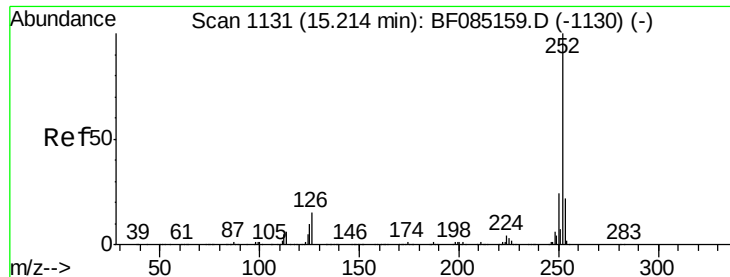
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#87
Benzo(b)fluoranthene
Concen: 6.09 ng m
RT: 15.16 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF085291.D
Acq: 9 Mar 2016 7:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	14.2	11.3	16.9





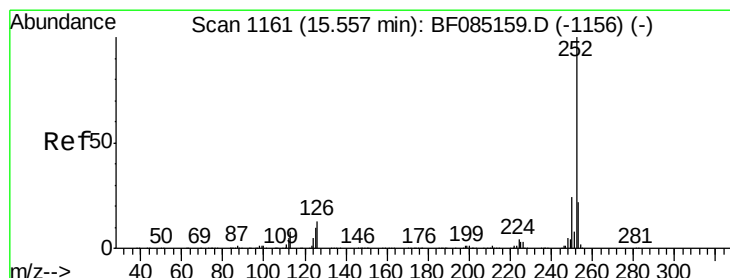
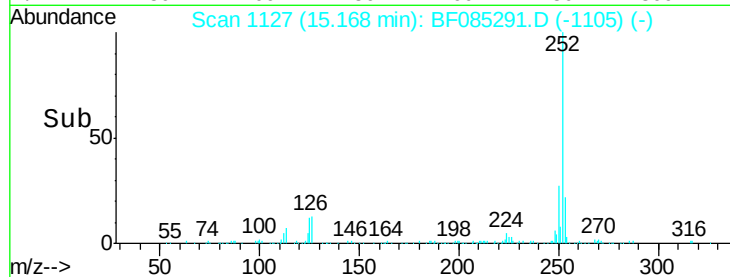
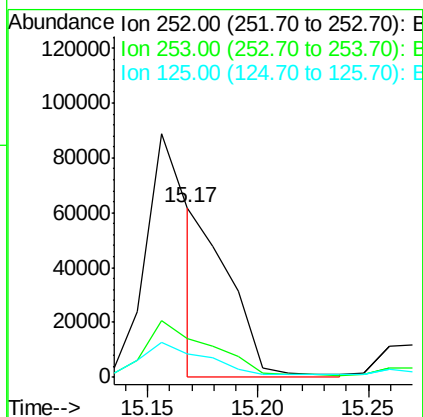
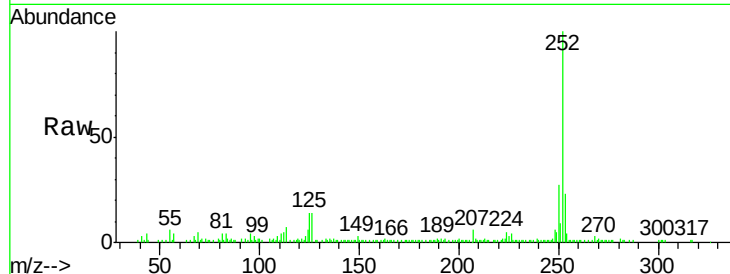
#88
Benzo(k)fluoranthene
Concen: 3.72 ng m
RT: 15.17 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF085291.D
Acq: 9 Mar 2016 7:54

Instrument :
BNA_F
ClientSampleId :
SB-32-COMP-0.5-4.0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	13.6	10.4	15.6

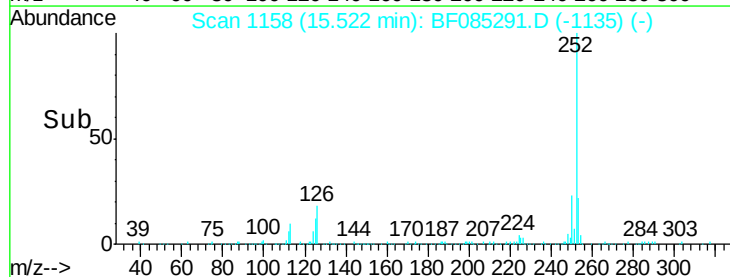
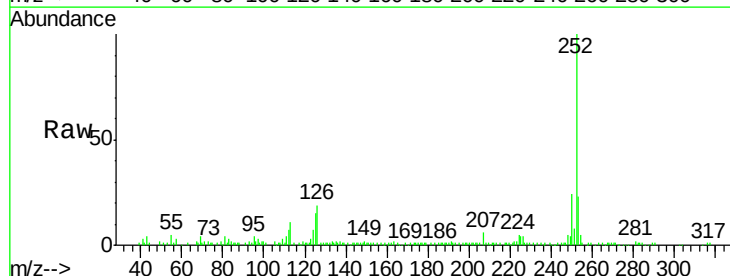
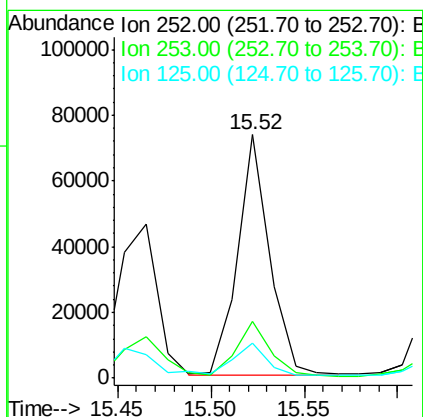
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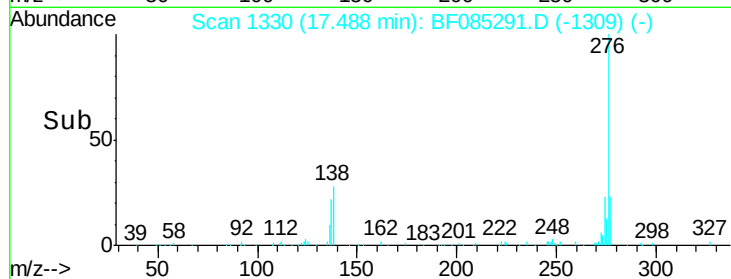
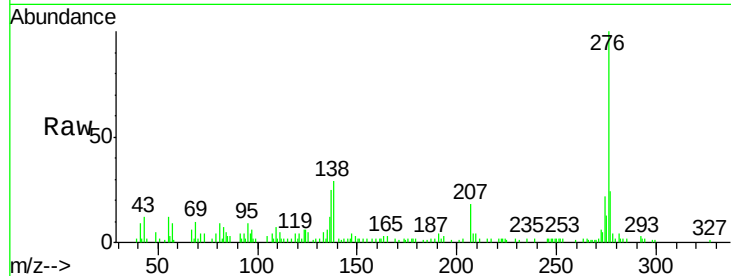
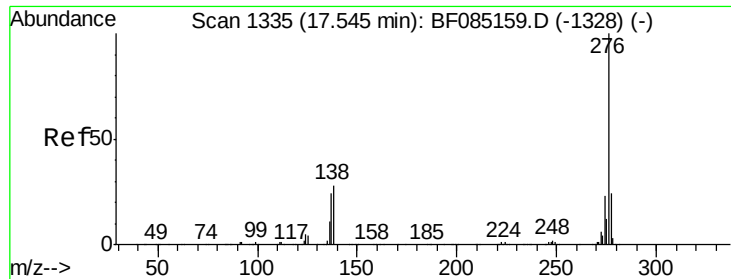
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#89
Benzo(a)pyrene
Concen: 5.34 ng
RT: 15.52 min Scan# 1158
Delta R.T. -0.03 min
Lab File: BF085291.D
Acq: 9 Mar 2016 7:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	14.5	8.2	12.4#





#91
 Benzo(g,h,i)perylene
 Concen: 3.66 ng
 RT: 17.49 min Scan# 1330
 Delta R.T. -0.06 min
 Lab File: BF085291.D
 Acq: 9 Mar 2016 7:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-32-COMP-0.5-4.0

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.4
138	29.0	22.5	33.7

Manual Integrations
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