

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
 Data File : BF085281.D
 Acq On : 9 Mar 2016 3:15
 Operator : UM/SJ
 Sample : H1703-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-40COMP(0.5-1.0)

Manual Integrations
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Quant Time: Mar 09 03:50:36 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	159479	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	612415	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	282745	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	484367	20.00	ng	-0.02
75) Chrysene-d12	14.12	240	273596	20.00	ng	-0.03
86) Perylene-d12	15.59	264	274168	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1117393	117.53	ng	-0.01
7) Phenol-d6	6.58	99	1340818	107.64	ng	-0.02
23) Nitrobenzene-d5	7.52	82	898284	78.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	324930	134.31	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	1366184	73.48	ng	-0.02
78) Terphenyl-d14	13.07	244	802475	68.09	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.72	163	241687	11.14	ng	99
70) Phenanthrene	11.51	178	134105	5.28	ng	96
74) Fluoranthene	12.70	202	206495	8.11	ng	95
77) Pyrene	12.93	202	180505	8.77	ng	96
80) Benzo(a)anthracene	14.11	228	86679	5.29	ng	98
82) Chrysene	14.14	228	63492m	4.20	ng	
83) Bis(2-ethylhexyl)phthalate	14.09	149	25355	2.06	ng	100
84) Di-n-octyl phthalate	14.75	149	74218	3.96	ng	# 62
85) Indeno(1,2,3-cd)pyrene	17.04	276	46686	3.95	ng	91
87) Benzo(b)fluoranthene	15.16	252	84883m	4.64	ng	
88) Benzo(k)fluoranthene	15.17	252	34222m	2.32	ng	
89) Benzo(a)pyrene	15.52	252	64779	4.28	ng	# 96
91) Benzo(g,h,i)perylene	17.48	276	47155	3.63	ng	96

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

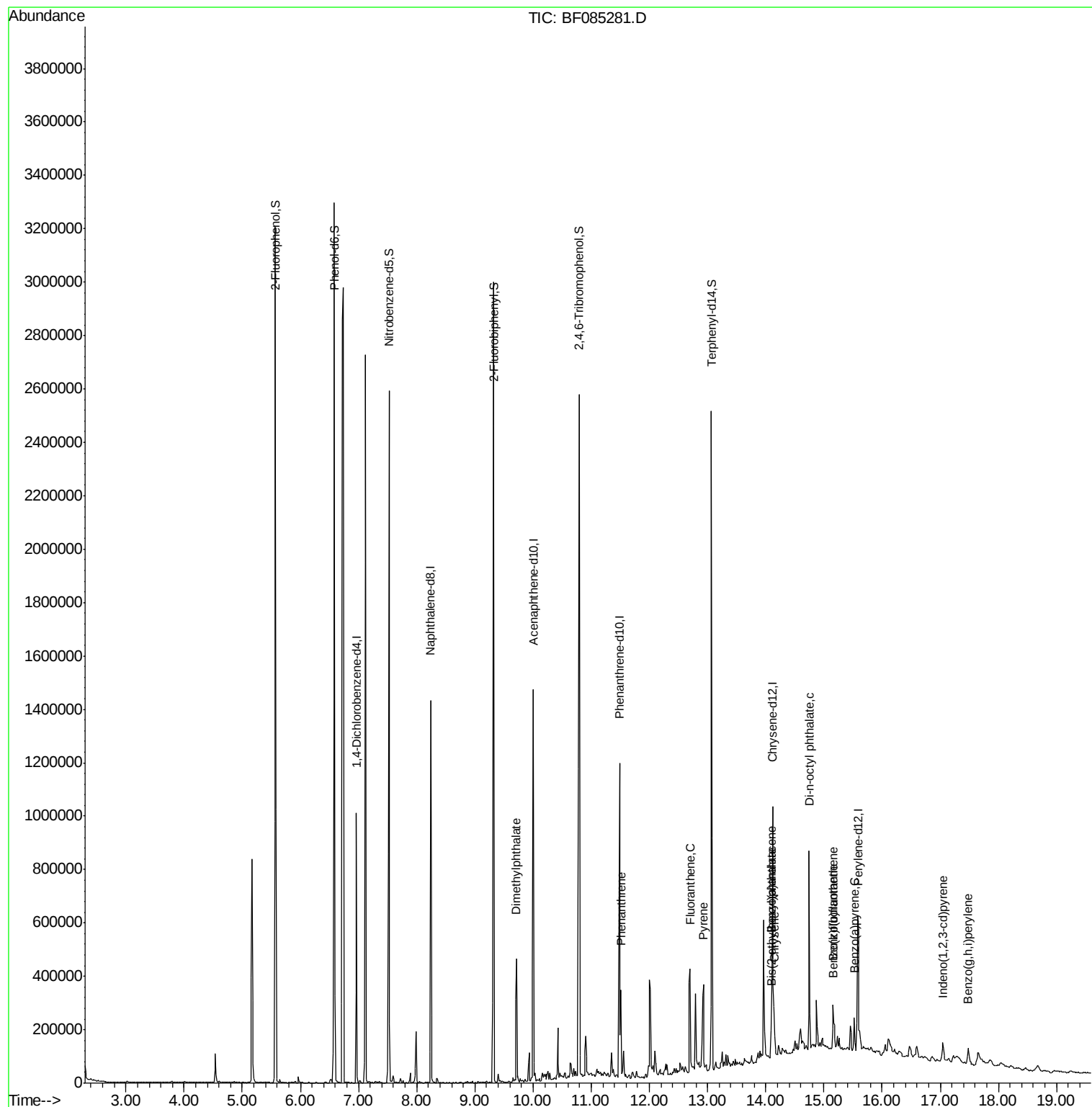
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
Data File : BF085281.D
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Operator : UM/SJ
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Quant Time: Mar 09 03:50:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA 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: BF085281.D

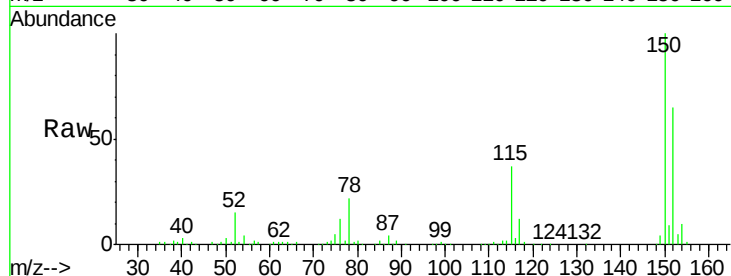
Acq: 9 Mar 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SB-40COMP(0.5-1.0)



Tgt Ion:152 Resp: 159479

Ion Ratio Lower Upper

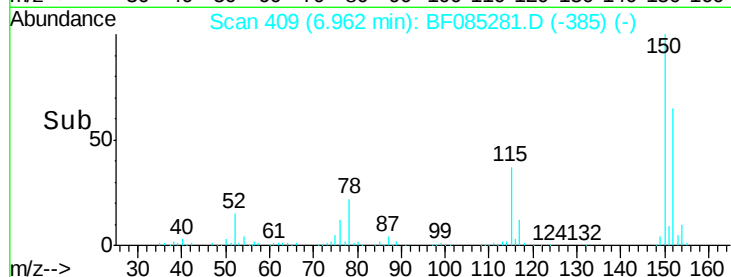
152 100

150 154.9 124.6 186.8

115 57.4 46.6 70.0

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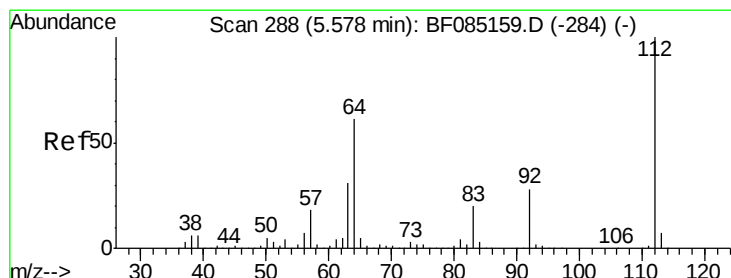
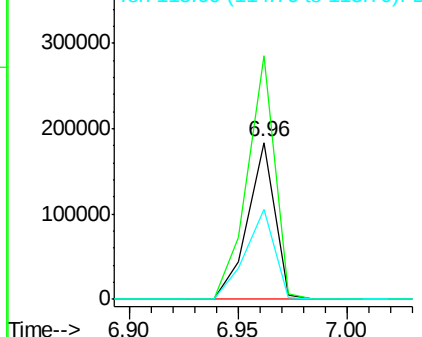
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 117.53 ng

RT: 5.57 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

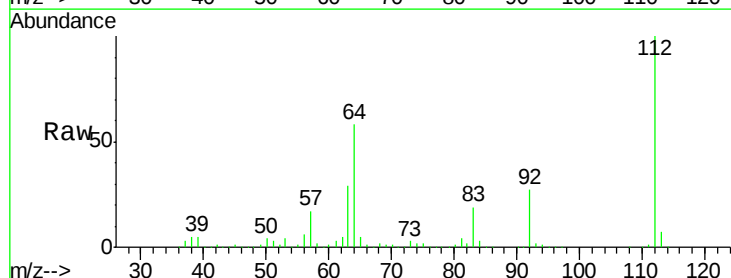
Tgt Ion:112 Resp: 1117393

Ion Ratio Lower Upper

112 100

64 57.9 49.0 73.4

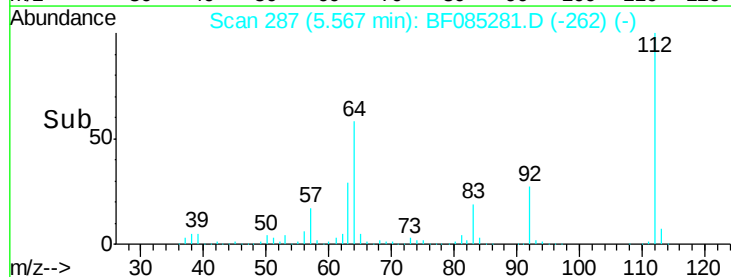
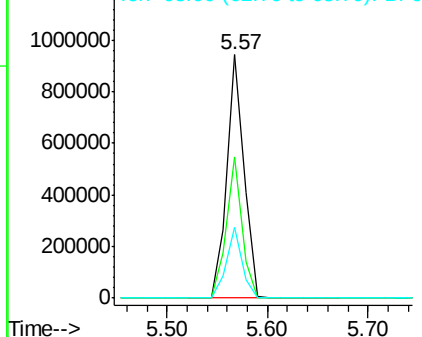
63 29.2 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.64 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085281.D

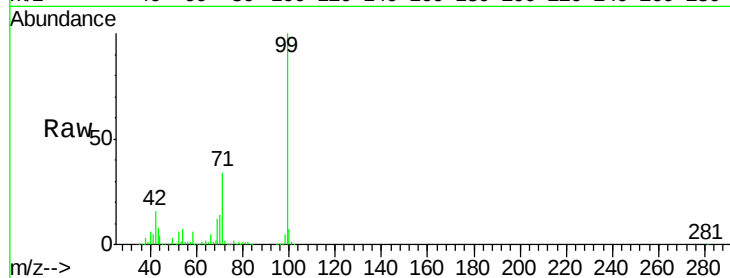
Acq: 9 Mar 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SB-40COMP(0.5-1.0)



Tgt Ion: 99 Resp: 1340818

Ion Ratio Lower Upper

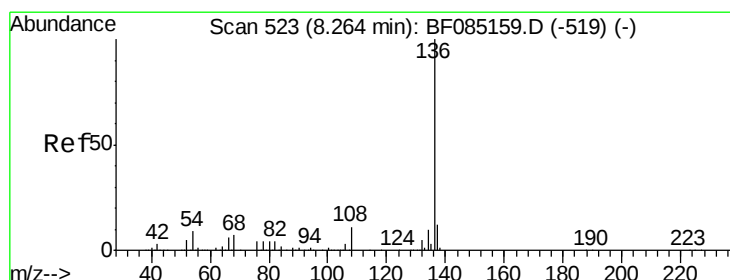
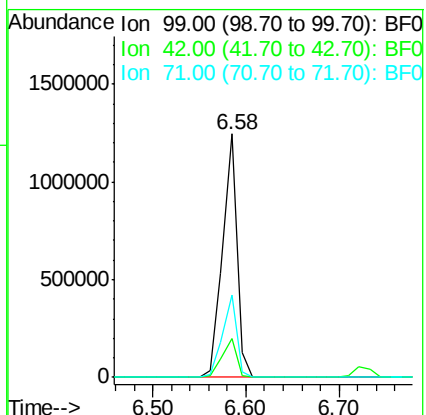
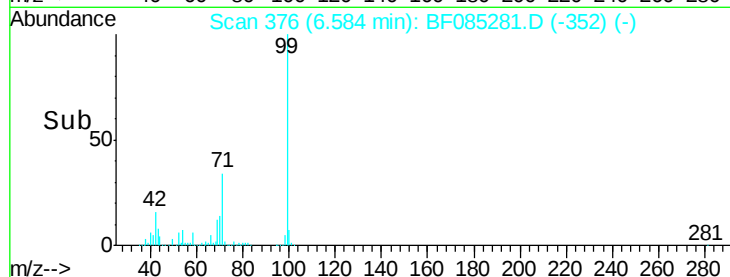
99 100

42 15.9 13.6 20.4

71 33.6 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: BF085281.D

Acq: 9 Mar 2016 3:15

Tgt Ion: 136 Resp: 612415

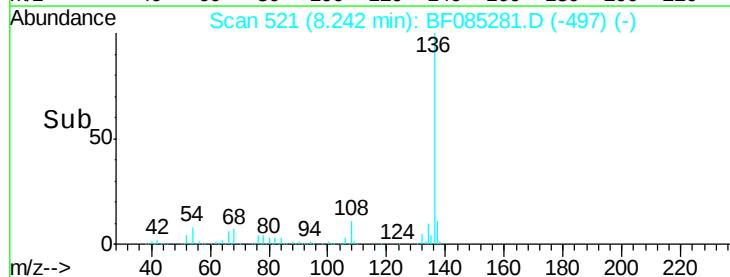
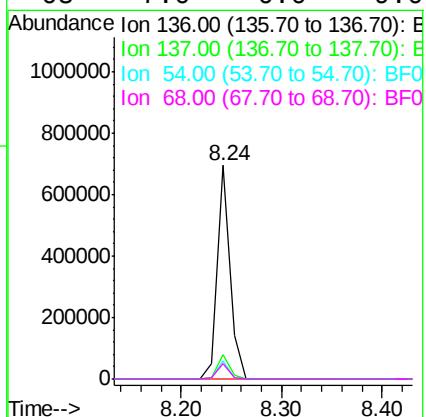
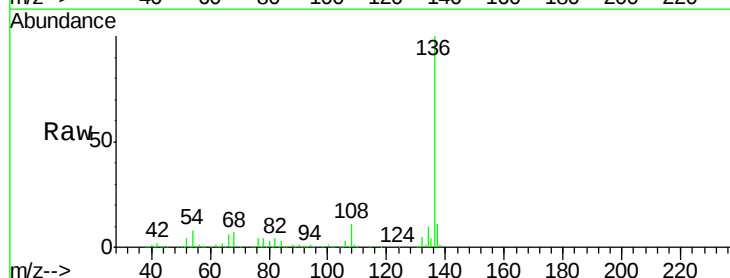
Ion Ratio Lower Upper

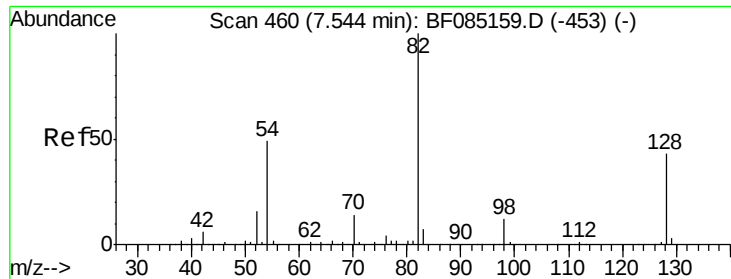
136 100

137 11.2 9.3 13.9

54 8.3 7.4 11.2

68 7.0 6.0 9.0





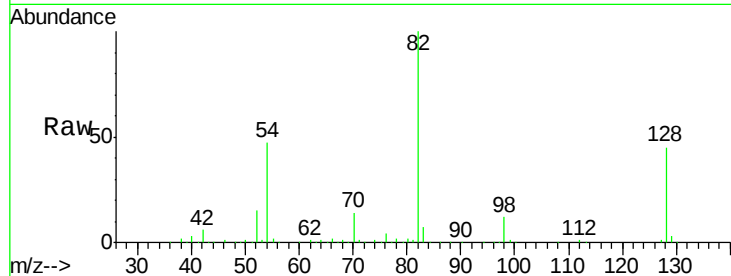
#23
 Nitrobenzene-d5
 Concen: 78.49 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF085281.D
 Acq: 9 Mar 2016 3:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-40COMP(0.5-1.0)

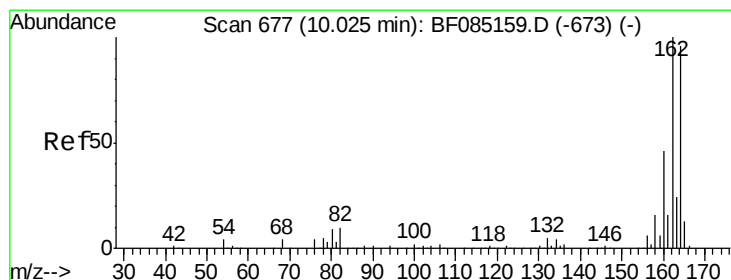
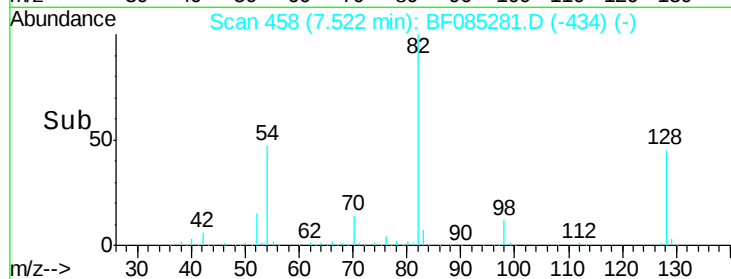
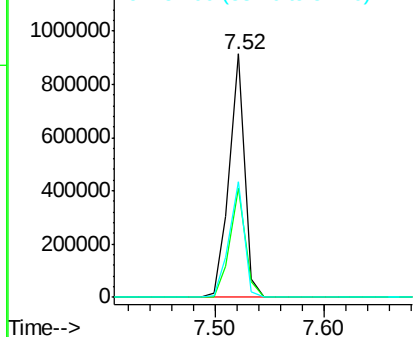
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.5	51.7
54	47.4	39.3	58.9

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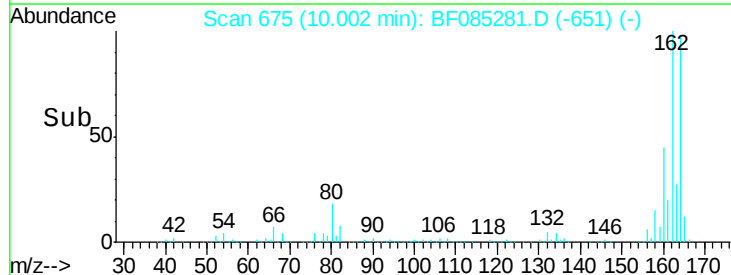
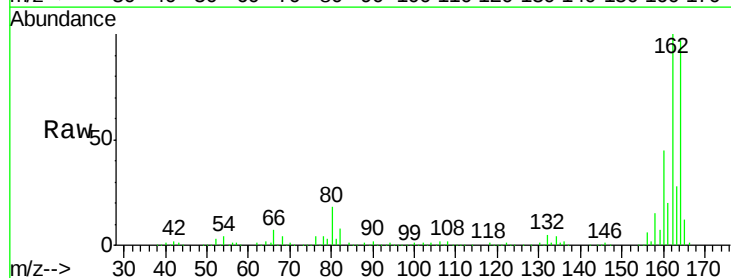
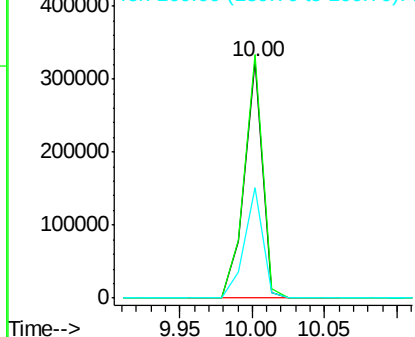
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

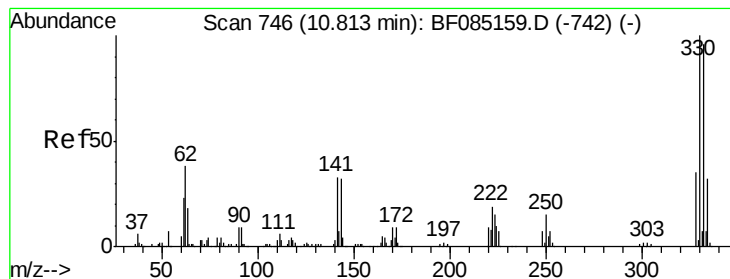


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.00 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF085281.D
 Acq: 9 Mar 2016 3:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	83.3	124.9
160	46.7	37.9	56.9

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





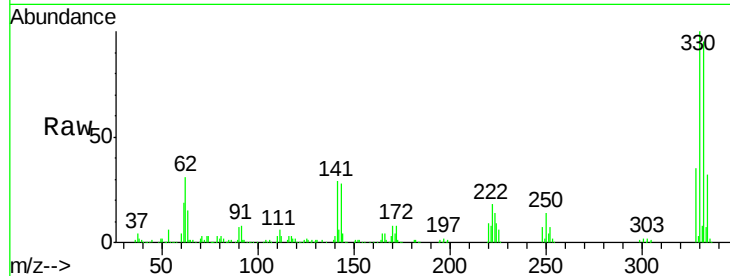
#41
 2,4,6-Tribromophenol
 Concen: 134.31 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF085281.D
 Acq: 9 Mar 2016 3:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-40COMP(0.5-1.0)

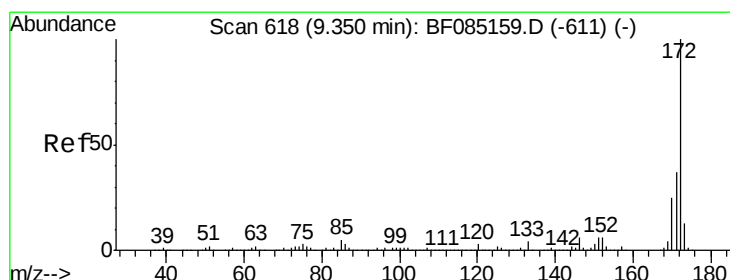
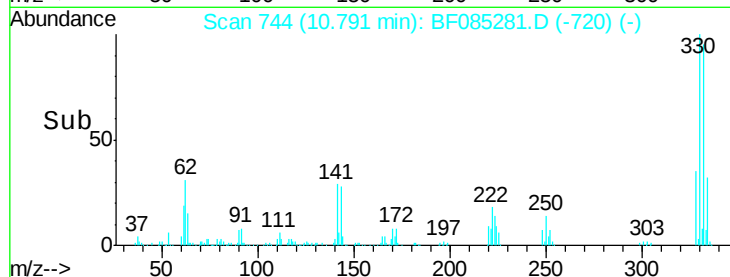
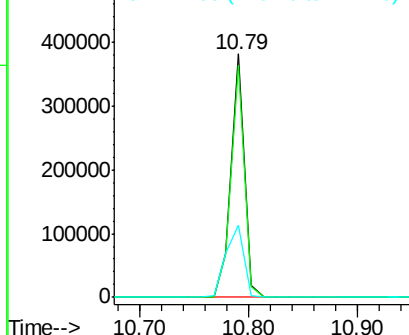
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	324930		
332	95.6	77.1	115.7	
141	39.9	35.0	52.6	

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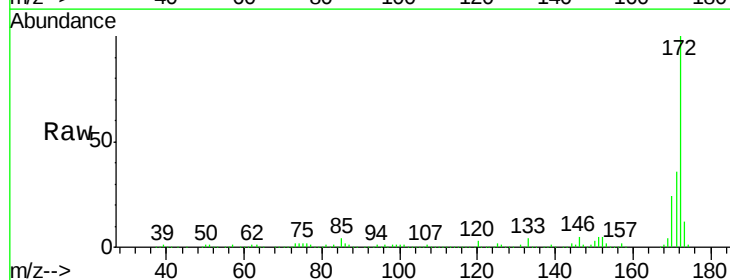


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

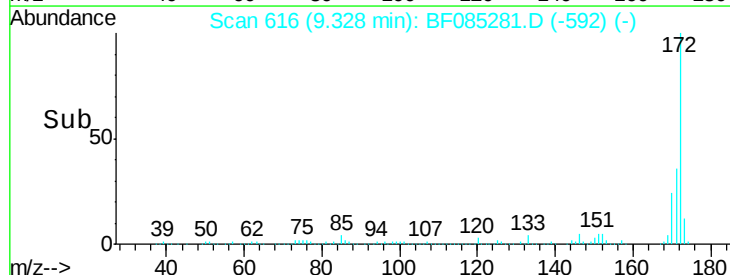
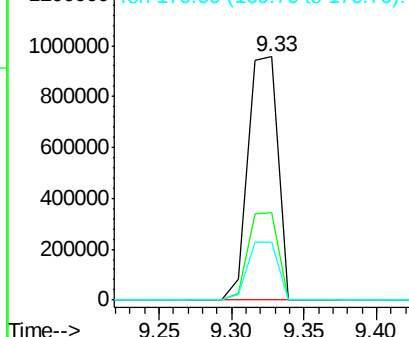


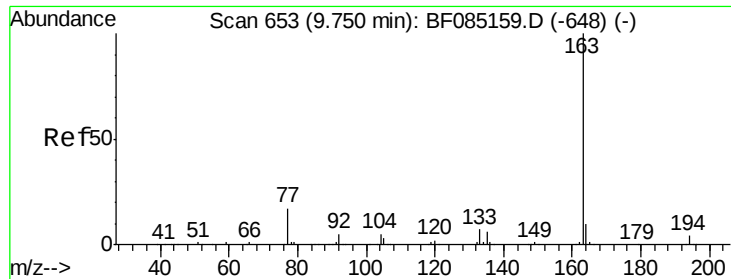
#44
 2-Fluorobiphenyl
 Concen: 73.48 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085281.D
 Acq: 9 Mar 2016 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1366184		
171	36.1	29.3	43.9	
170	24.0	20.0	30.0	



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





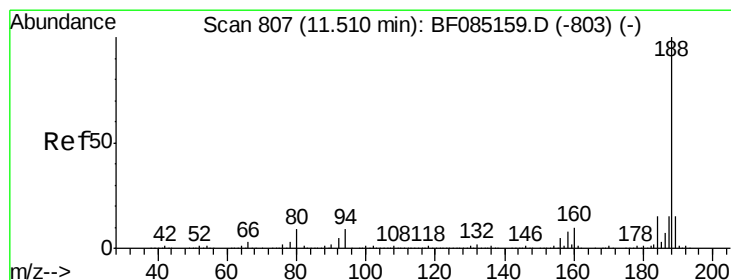
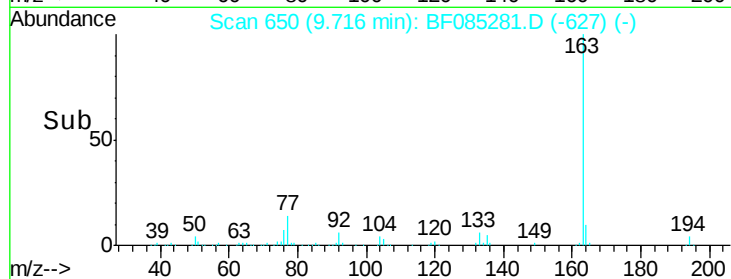
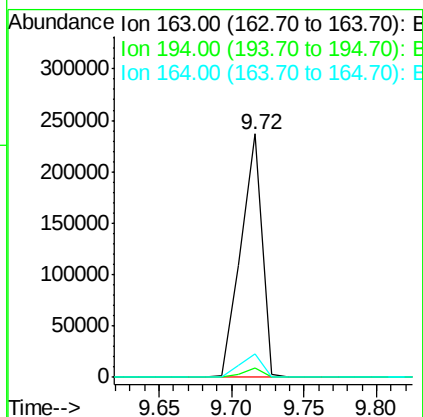
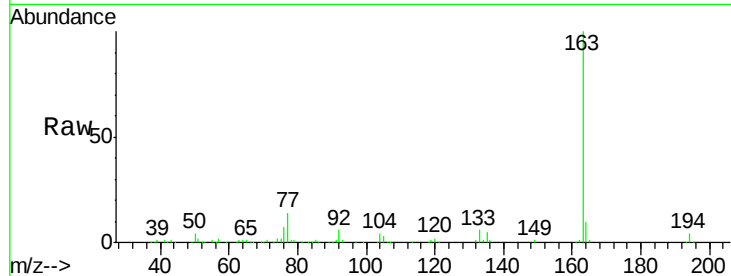
#49
Dimethylphthalate
Concen: 11.14 ng
RT: 9.72 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF085281.D
Acq: 9 Mar 2016 3:15

Instrument :
BNA_F
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SB-40COMP(0.5-1.0)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	241687		
194	3.9		3.1	4.7
164	9.7		8.2	12.4

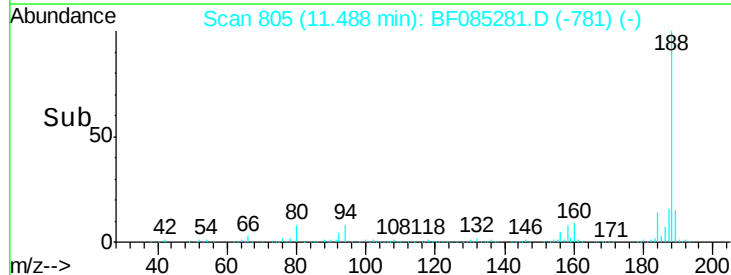
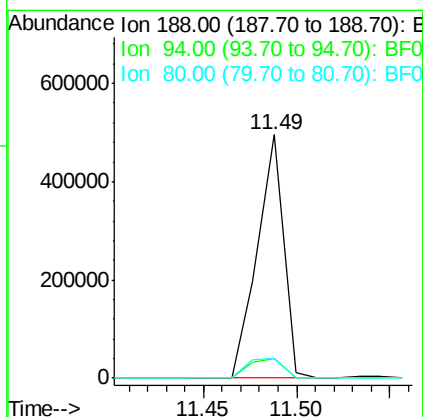
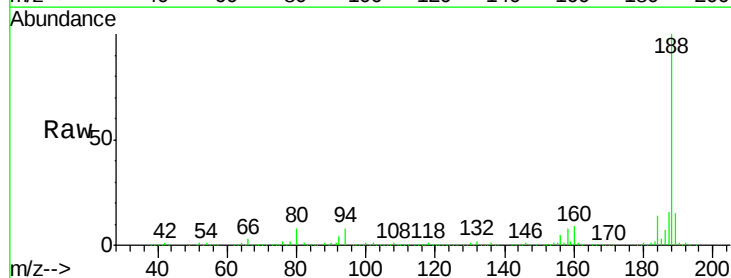
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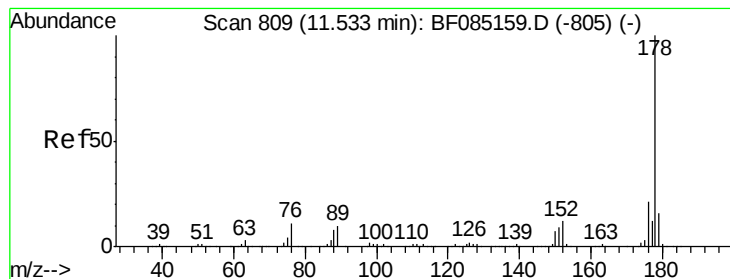
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF085281.D
Acq: 9 Mar 2016 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	484367		
94	7.9		7.0	10.6
80	7.9		7.4	11.0





#70

Phenanthrene

Concen: 5.28 ng

RT: 11.51 min Scan# 807

Delta R.T. -0.02 min

Lab File: BF085281.D

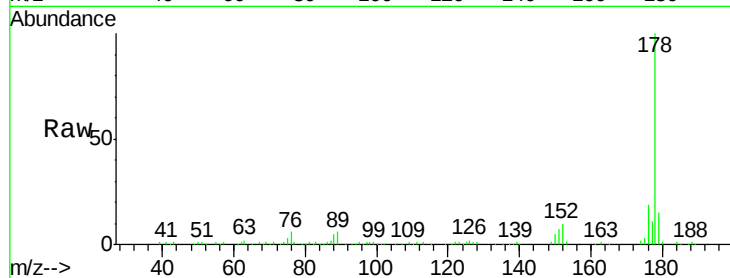
Acq: 9 Mar 2016 3:15

Instrument :

BNA_F

ClientSampleId :

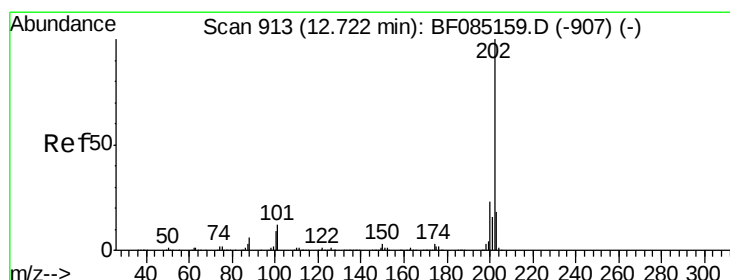
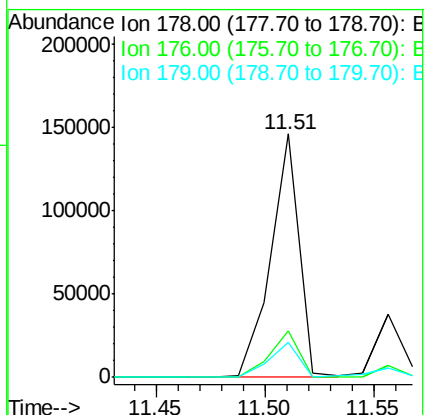
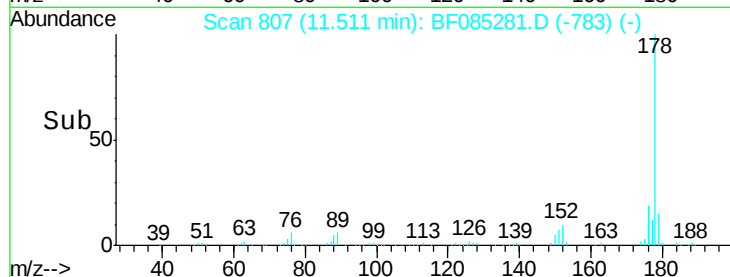
SB-40COMP(0.5-1.0)



Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.8	25.2
179	14.5	13.1	19.7

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#74

Fluoranthene

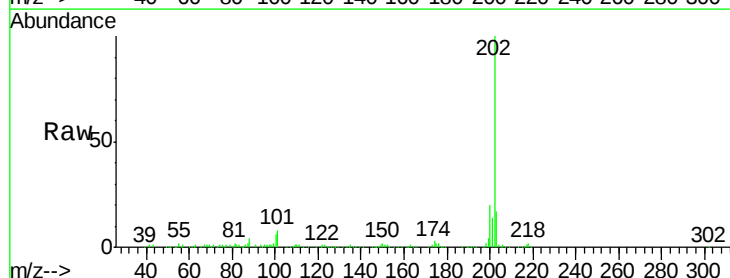
Concen: 8.11 ng

RT: 12.70 min Scan# 911

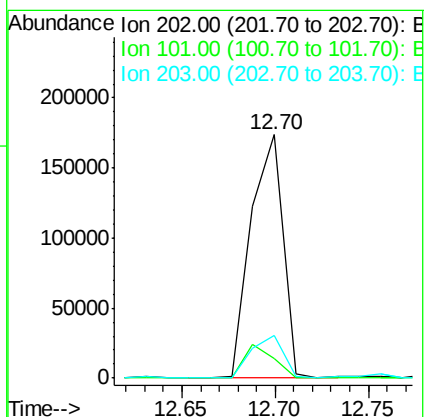
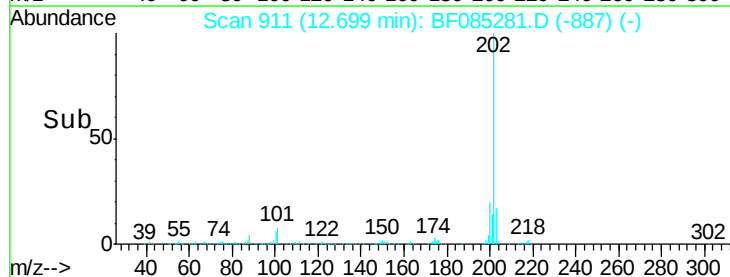
Delta R.T. -0.02 min

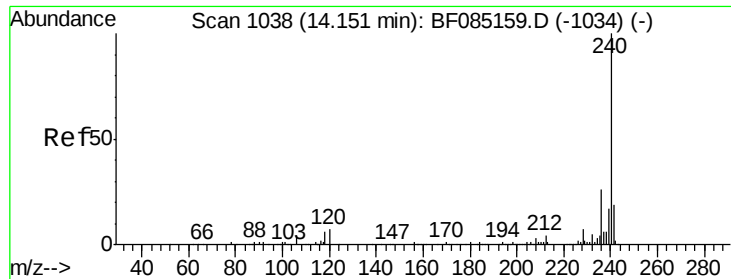
Lab File: BF085281.D

Acq: 9 Mar 2016 3:15



Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	31.8
203	17.4	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: BF085281.D

Acq: 9 Mar 2016 3:15

Instrument :

BNA_F

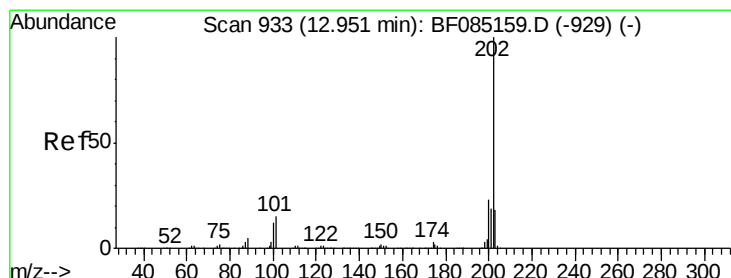
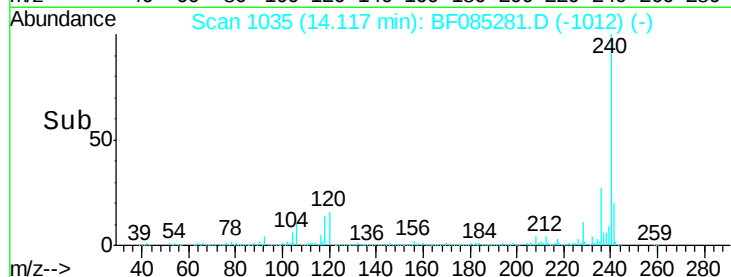
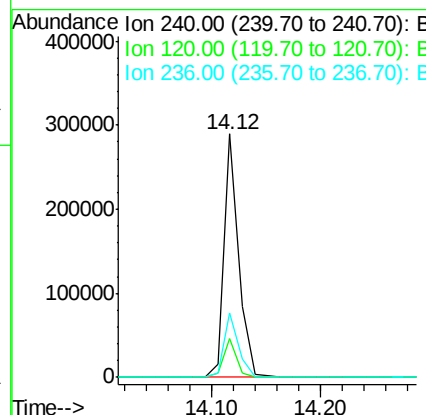
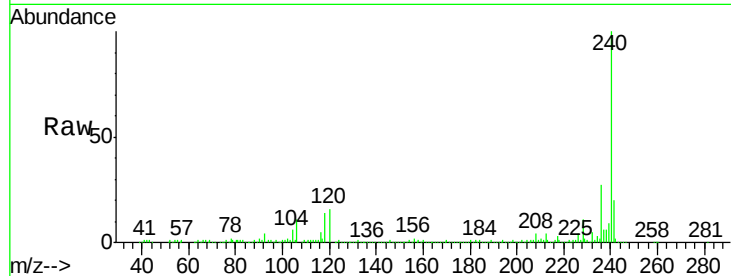
ClientSampleId :

SB-40COMP(0.5-1.0)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	273596		
120	16.0	5.3	7.9#	
236	26.5	20.7	31.1	

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#77

Pyrene

Concen: 8.77 ng

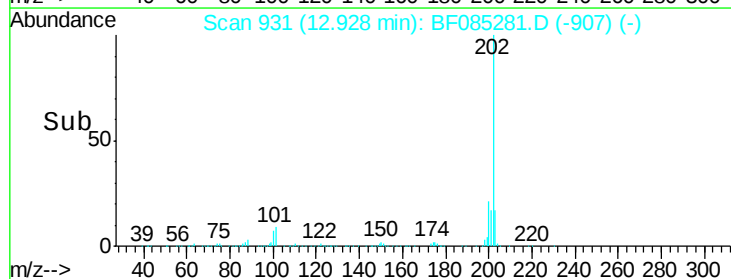
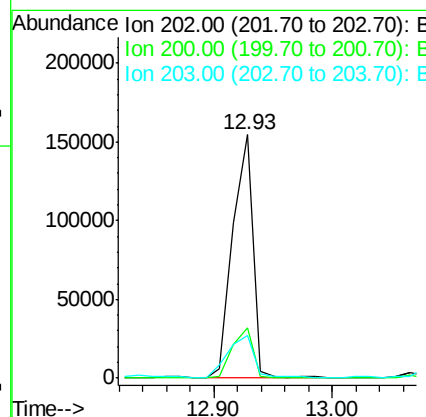
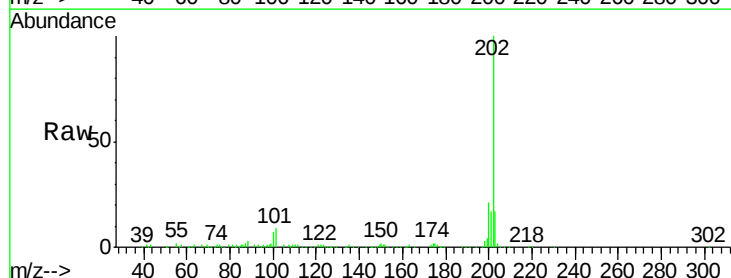
RT: 12.93 min Scan# 931

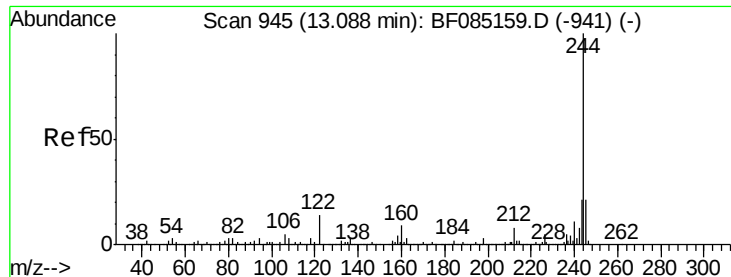
Delta R.T. -0.02 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	180505		
200	20.6	18.2	27.4	
203	17.4	14.7	22.1	





#78

Terphenyl-d14

Concen: 68.09 ng

RT: 13.07 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

Instrument :

BNA_F

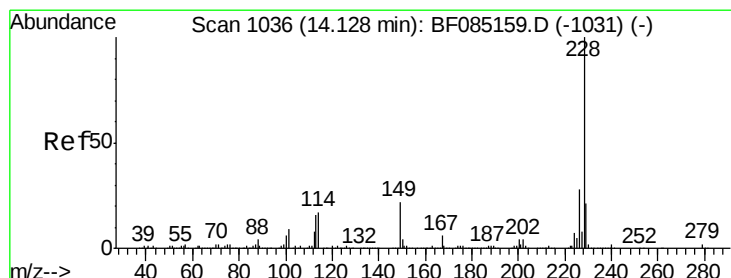
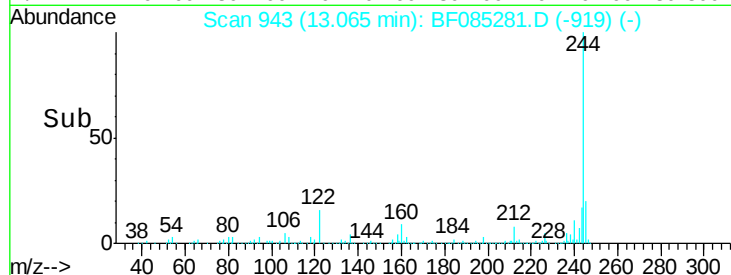
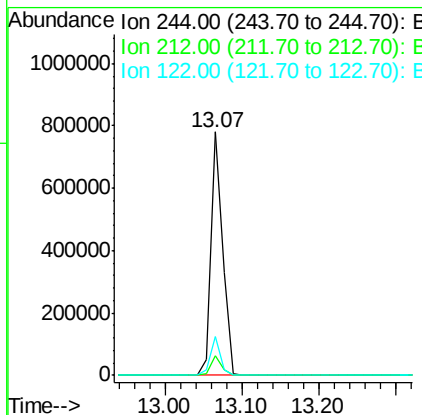
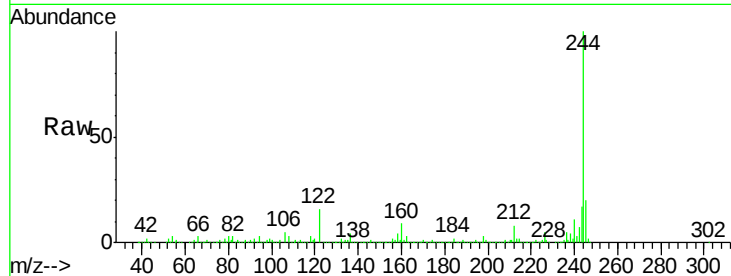
ClientSampleId :

SB-40COMP(0.5-1.0)

Tgt Ion:	244	Resp:	802475
Ion Ratio		Lower	Upper
244	100		
212	8.0	6.4	9.6
122	15.9	11.4	17.2

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#80

Benzo(a)anthracene

Concen: 5.29 ng

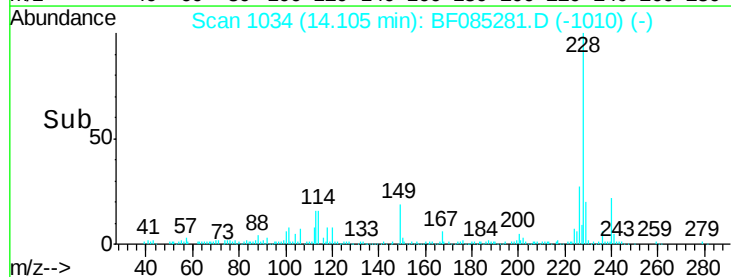
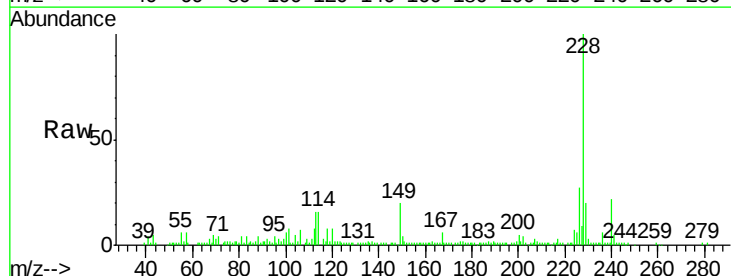
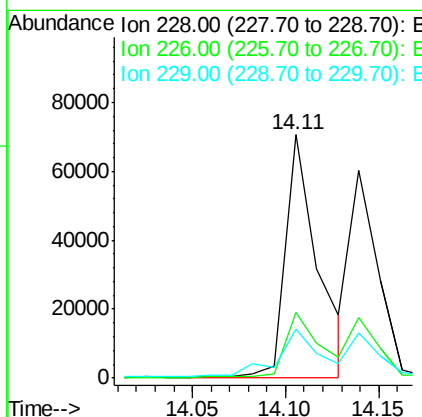
RT: 14.11 min Scan# 1034

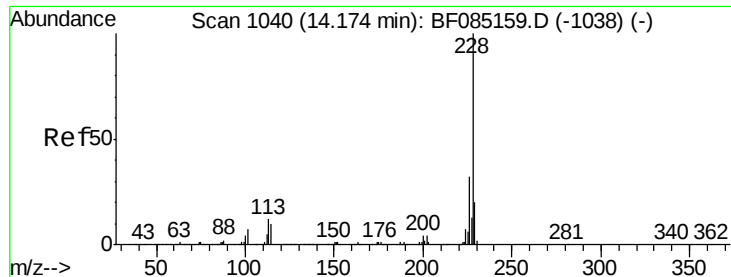
Delta R.T. -0.02 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

Tgt Ion:	228	Resp:	86679
Ion Ratio		Lower	Upper
228	100		
226	27.1	22.8	34.2
229	20.3	16.6	24.8





#82

Chrysene

Concen: 4.20 ng m

RT: 14.14 min Scan# 1037

Delta R.T. -0.03 min

Lab File: BF085281.D

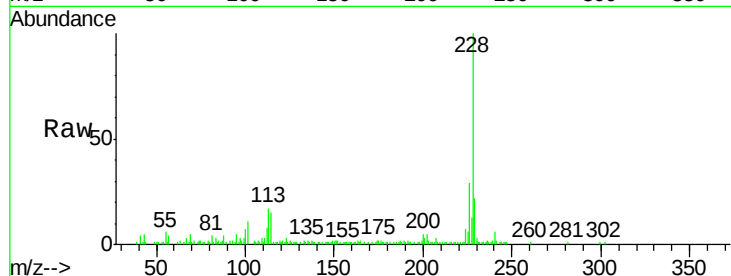
Acq: 9 Mar 2016 3:15

Instrument :

BNA_F

ClientSampleId :

SB-40COMP(0.5-1.0)



Tgt Ion: 228 Resp: 63492

Ion Ratio Lower Upper

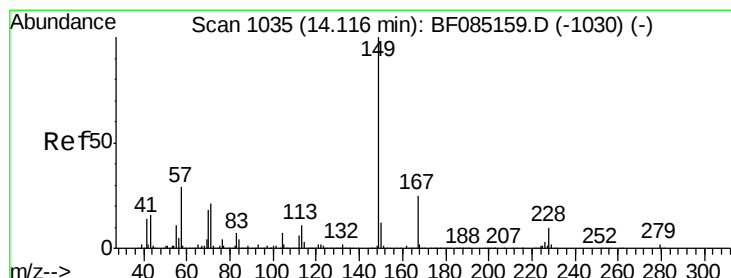
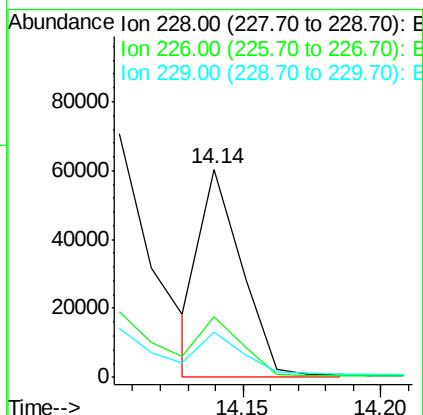
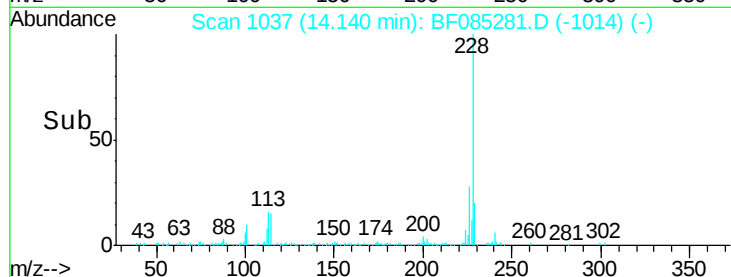
228 100

226 28.9 25.2 37.8

229 21.6 16.0 24.0

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.06 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BF085281.D

Acq: 9 Mar 2016 3:15

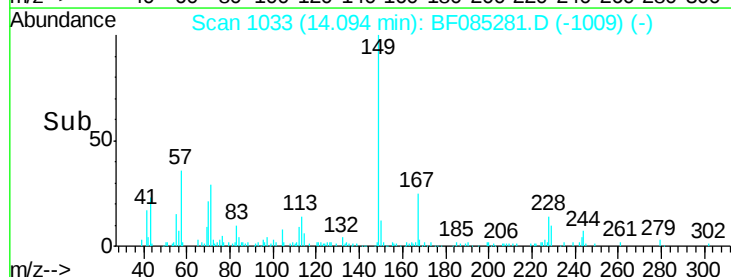
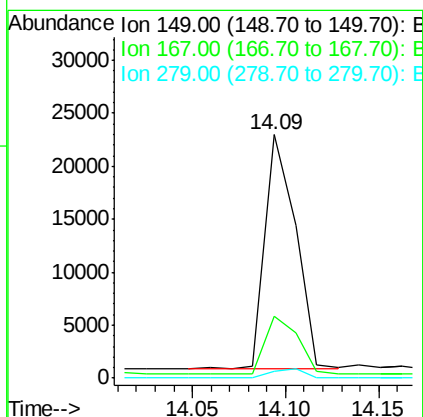
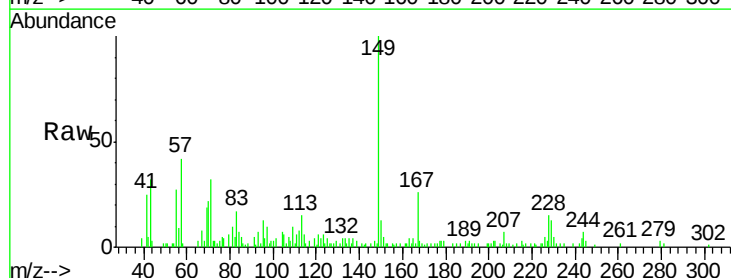
Tgt Ion: 149 Resp: 25355

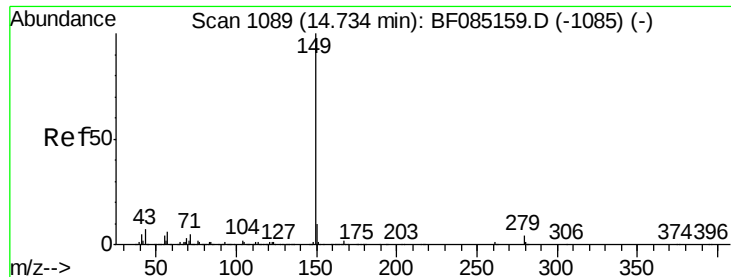
Ion Ratio Lower Upper

149 100

167 25.5 20.3 30.5

279 2.6 1.9 2.9





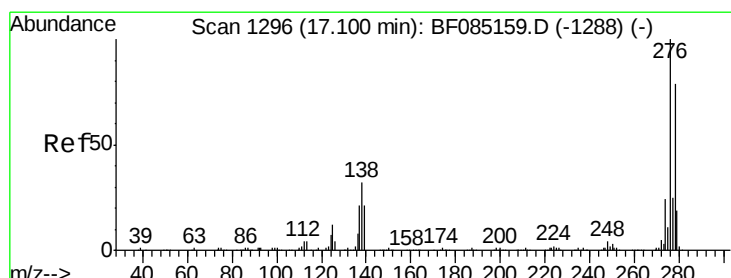
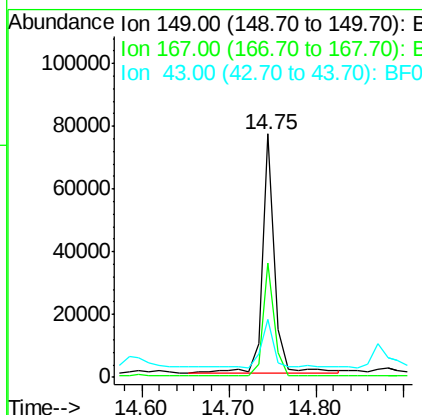
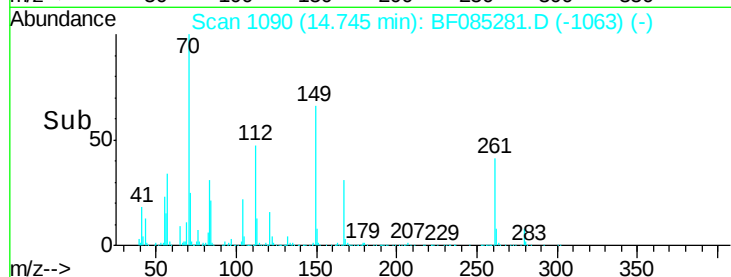
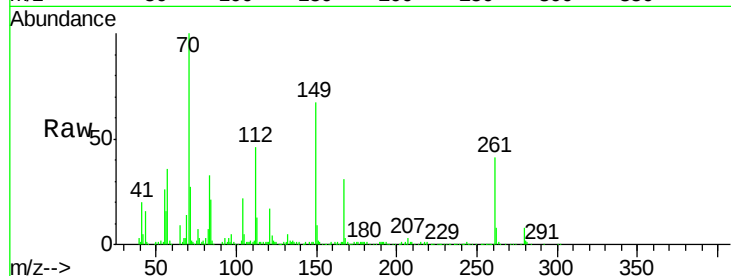
#84
Di-n-octyl phthalate
Concen: 3.96 ng
RT: 14.75 min Scan# 1090
Delta R.T. 0.01 min
Lab File: BF085281.D
Acq: 9 Mar 2016 3:15

Instrument :
BNA_F
ClientSampleId :
SB-40COMP(0.5-1.0)

Tgt Ion	Ratio	Lower	Upper
149	100		
167	43.8	1.1	1.7#
43	20.1	7.8	11.8#

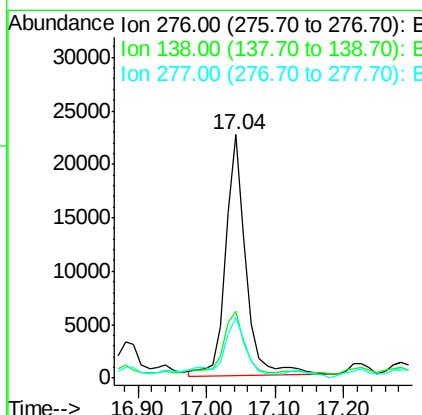
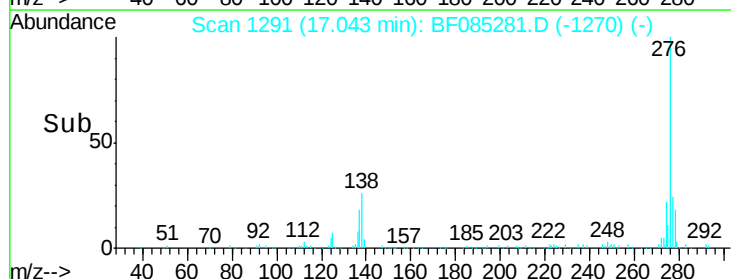
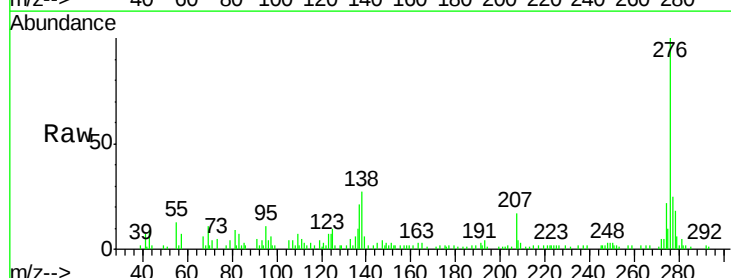
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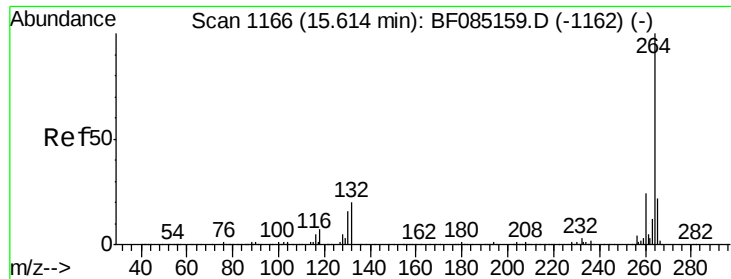
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.95 ng
RT: 17.04 min Scan# 1291
Delta R.T. -0.06 min
Lab File: BF085281.D
Acq: 9 Mar 2016 3:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.2	26.4	39.6
277	29.8	20.2	30.2





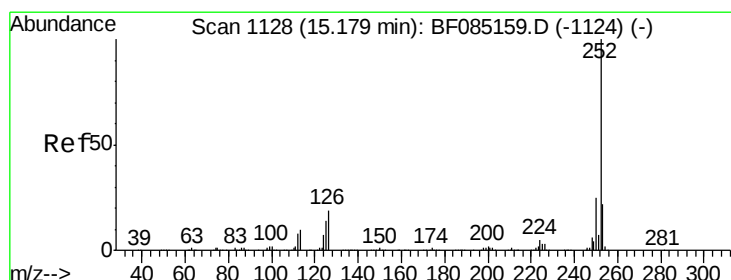
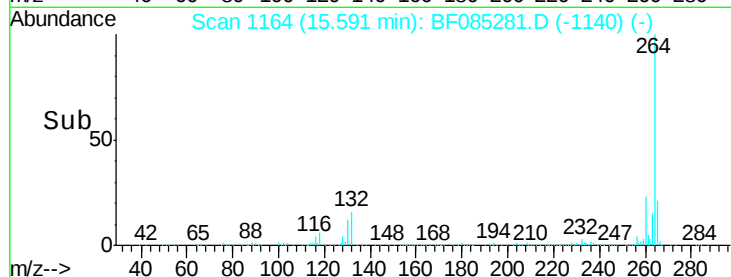
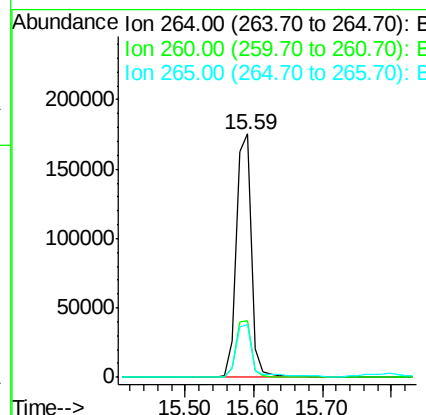
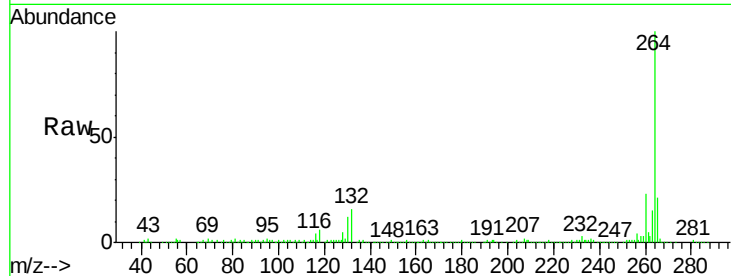
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF085281.D
Acq: 9 Mar 2016 3:15

Instrument :
BNA_F
ClientSampleId :
SB-40COMP(0.5-1.0)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.5	17.3	25.9

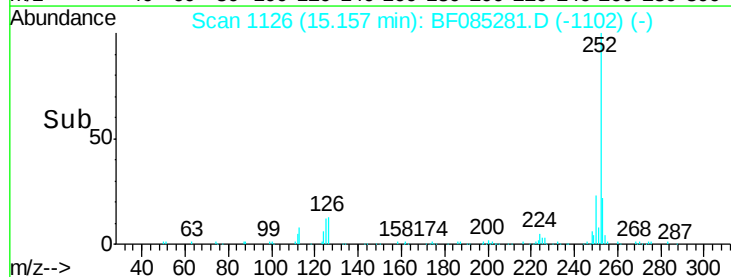
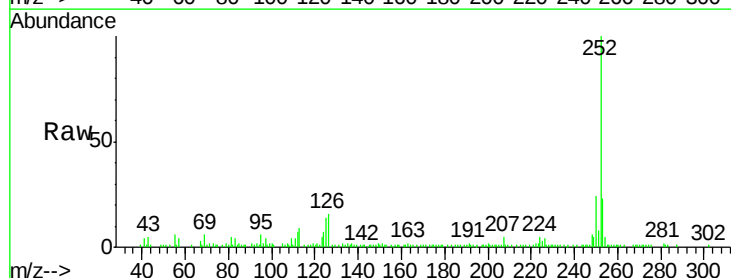
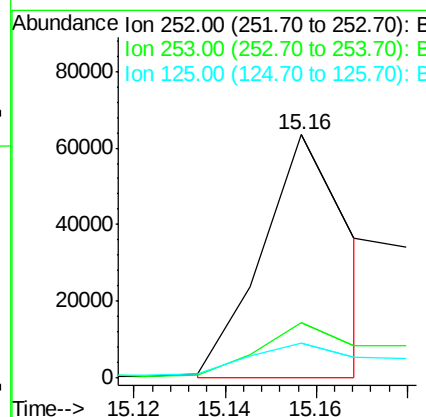
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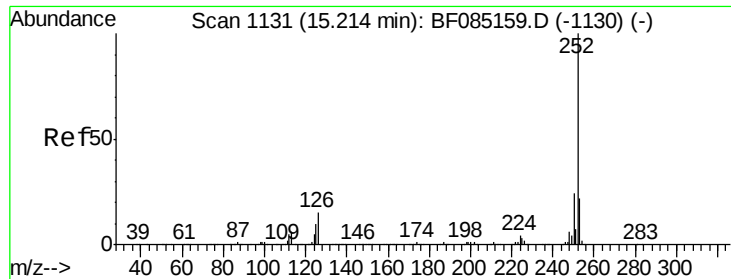
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#87
Benzo(b)fluoranthene
Concen: 4.64 ng m
RT: 15.16 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF085281.D
Acq: 9 Mar 2016 3:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.4	11.3	16.9





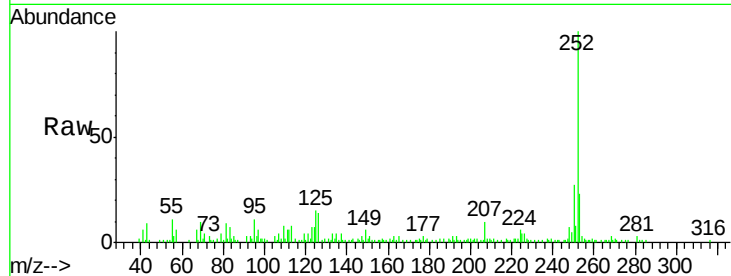
#88
Benzo(k)fluoranthene
Concen: 2.32 ng m
RT: 15.17 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF085281.D
Acq: 9 Mar 2016 3:15

Instrument :
BNA_F
ClientSampleId :
SB-40COMP(0.5-1.0)

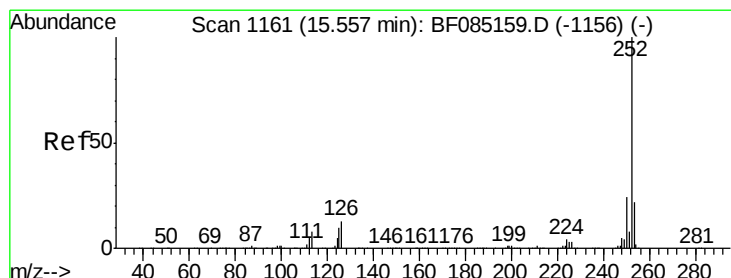
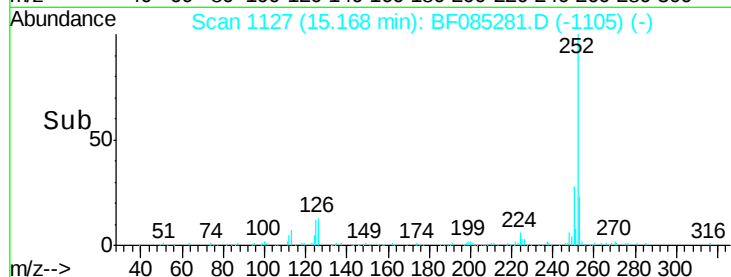
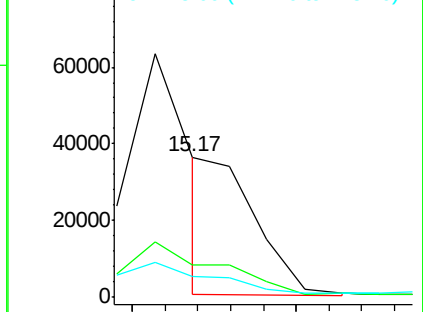
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	14.8	10.4	15.6

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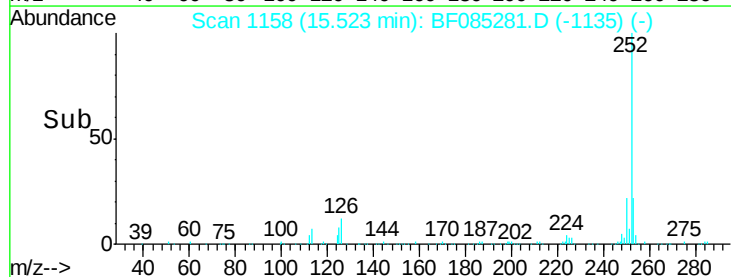
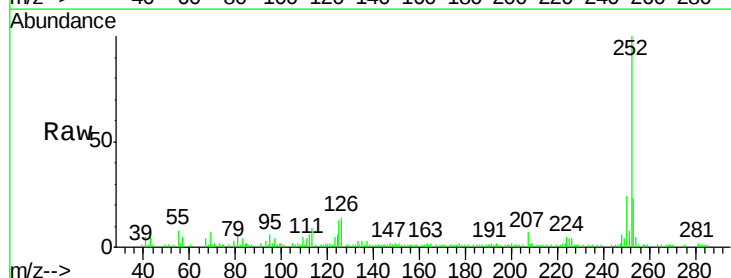
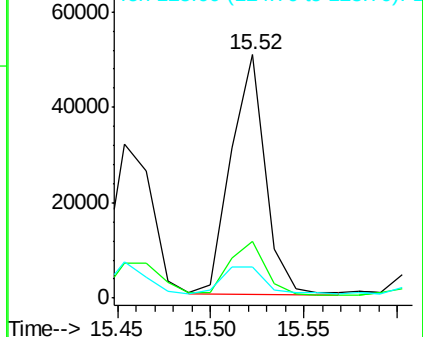
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

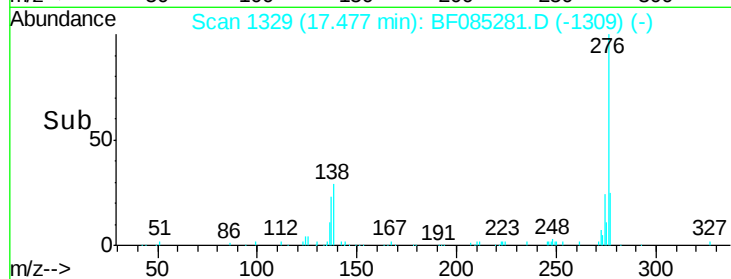
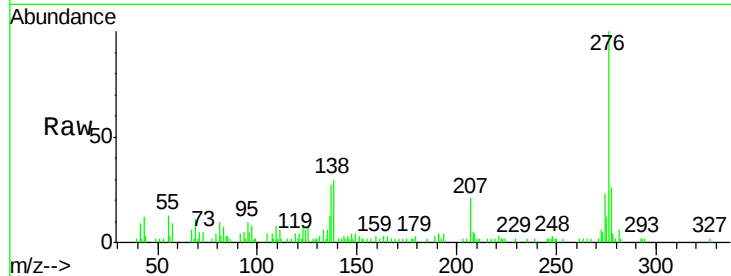
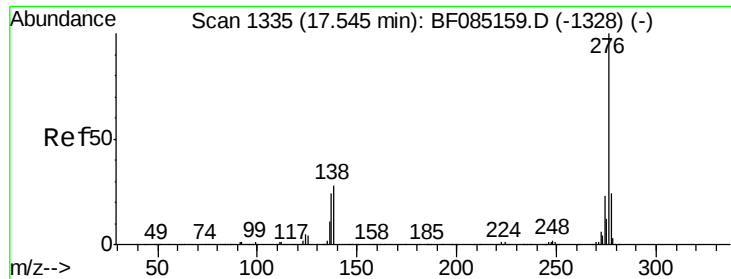


#89
Benzo(a)pyrene
Concen: 4.28 ng
RT: 15.52 min Scan# 1158
Delta R.T. -0.03 min
Lab File: BF085281.D
Acq: 9 Mar 2016 3:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	12.7	8.2	12.4#

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





#91
Benzo(g,h,i)perylene
Concen: 3.63 ng
RT: 17.48 min Scan# 1329
Delta R.T. -0.07 min
Lab File: BF085281.D
Acq: 9 Mar 2016 3:15

Instrument :
BNA_F
ClientSampleId :
SB-40COMP(0.5-1.0)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.0	28.4
138	30.3	22.5	33.7

Manual Integrations
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