

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
 Data File : BF085861.D
 Acq On : 29 Mar 2016 21:01
 Operator : UM/SJ
 Sample : H1970-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

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 3/30/2016 7:05:37 PM

Quant Time: Mar 30 13:20:14 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	6.80	152	109612	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	439640	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	202934	20.00	ng	-0.02
63) Phenanthrene-d10	11.33	188	376528	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	222223	20.00	ng	-0.01
86) Perylene-d12	15.37	264	207897	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	780882	118.65	ng	0.00
7) Phenol-d6	6.45	99	1037886	124.03	ng	-0.01
23) Nitrobenzene-d5	7.37	82	616457	78.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.63	330	195384	101.33	ng	-0.02
44) 2-Fluorobiphenyl	9.17	172	673007	55.41	ng	-0.02
78) Terphenyl-d14	12.90	244	432713	40.05	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.57	163	222688	14.46	ng	99
70) Phenanthrene	11.35	178	115961	6.00	ng	98
74) Fluoranthene	12.54	202	183572	8.93	ng	91
77) Pyrene	12.77	202	148014	8.10	ng	99
80) Benzo(a)anthracene	13.96	228	57935	4.57	ng	98
82) Chrysene	13.99	228	52554m	4.12	ng	
83) Bis(2-ethylhexyl)phthalate	13.98	149	153524	16.76	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.76	276	32702	3.32	ng	97
87) Benzo(b)fluoranthene	14.97	252	68663m	5.24	ng	
89) Benzo(a)pyrene	15.32	252	42409	3.65	ng	# 94
91) Benzo(g,h,i)perylene	17.17	276	30325	2.77	ng	99

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

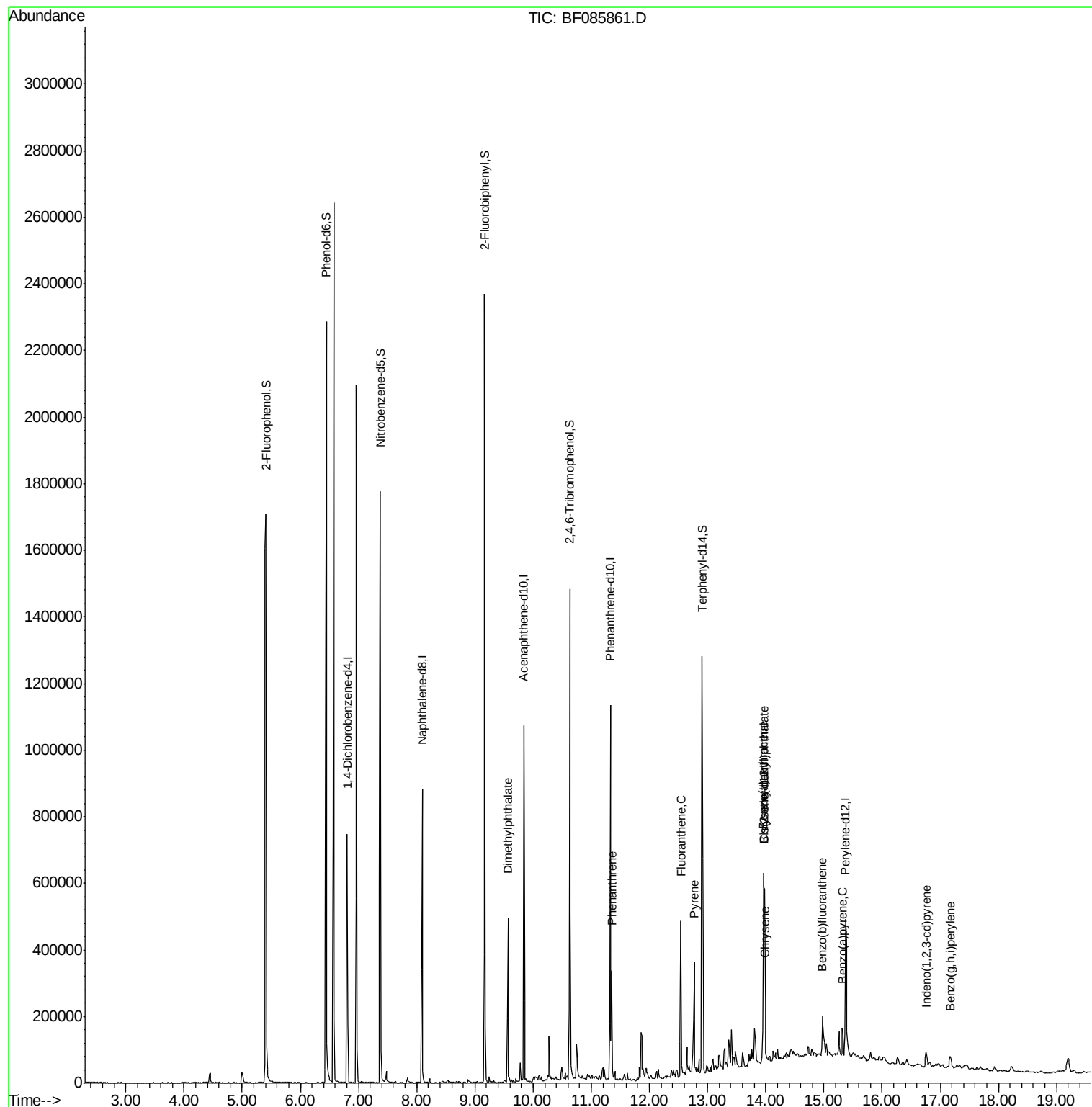
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
Data File : BF085861.D
Acq On : 29 Mar 2016 21:01
Operator : UM/SJ
Sample : H1970-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

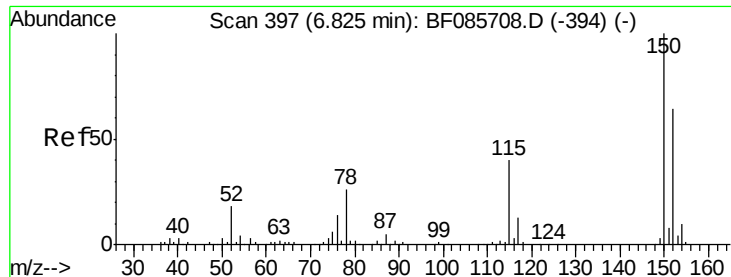
Instrument :
BNA_F
ClientSampleId :
TP-2

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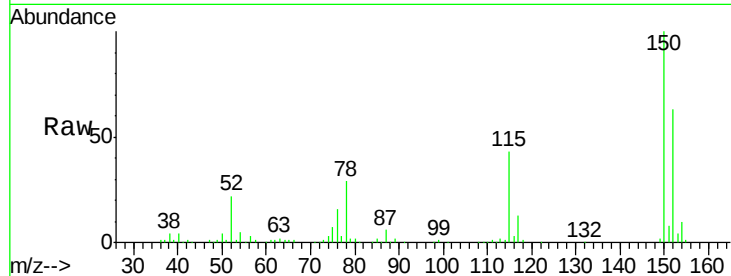




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 395
Delta R.T. -0.02 min
Lab File: BF085861.D
Acq: 29 Mar 2016 21:01

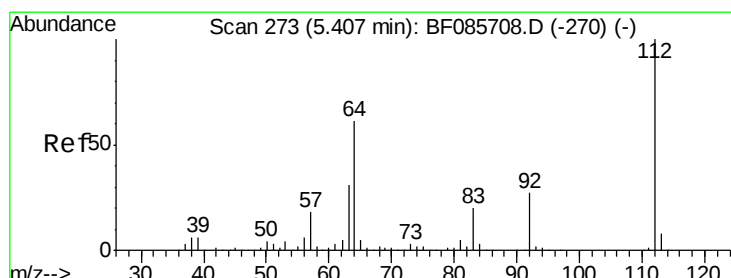
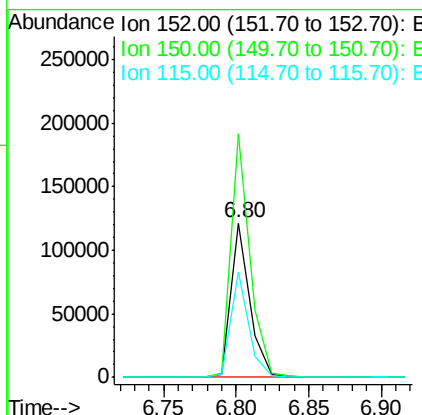
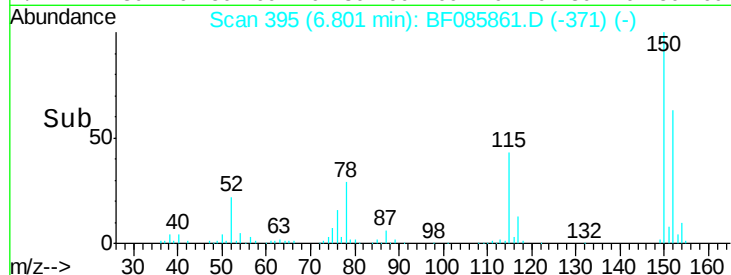
Instrument :
BNA_F
ClientSampled :
TP-2



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	109612		
150	157.5	124.2	186.2	
115	68.3	47.0	70.6	

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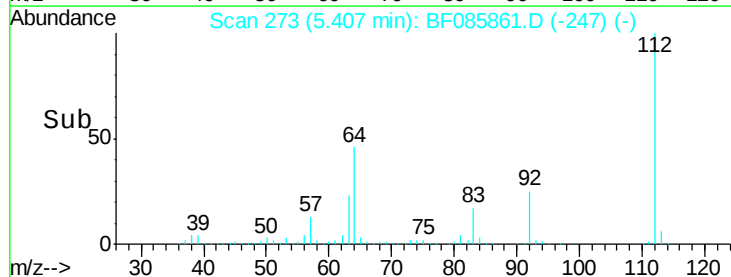
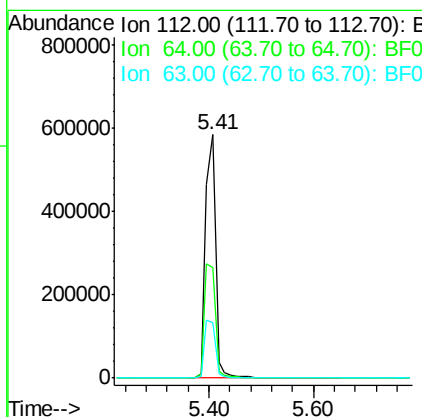
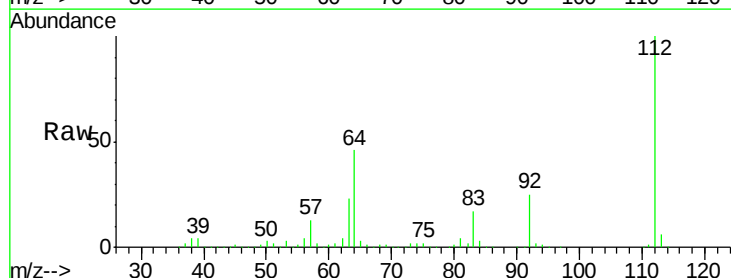
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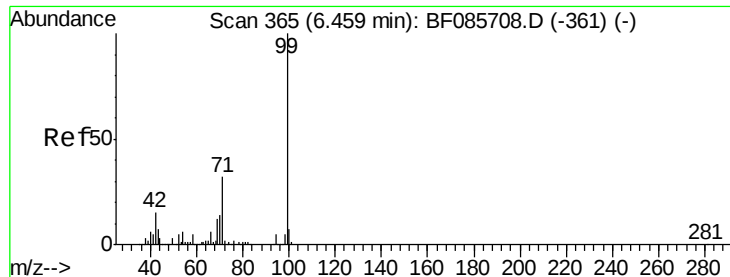


#5

2-Fluorophenol
Concen: 118.65 ng
RT: 5.41 min Scan# 273
Delta R.T. 0.00 min
Lab File: BF085861.D
Acq: 29 Mar 2016 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	780882		
64	45.5	39.9	59.9	
63	23.0	20.2	30.2	





#7

Phenol-d6

Concen: 124.03 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085861.D

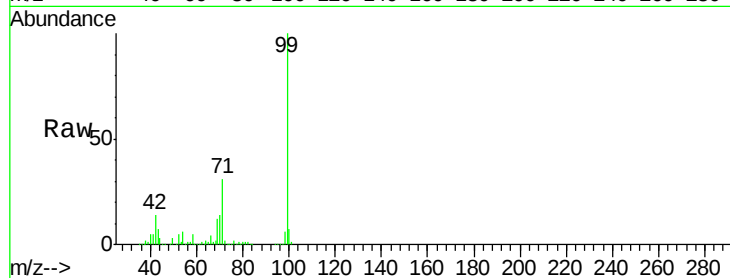
Acq: 29 Mar 2016 21:01

Instrument :

BNA_F

ClientSampleId :

TP-2



Tgt Ion: 99 Resp: 1037886

Ion Ratio Lower Upper

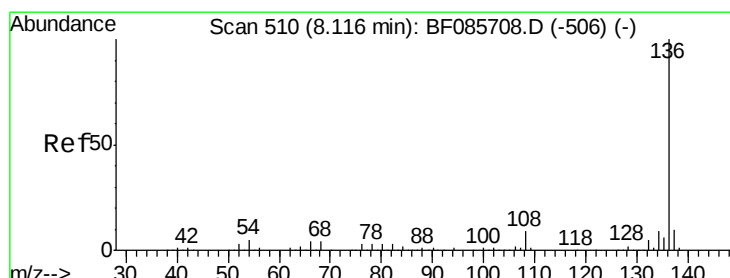
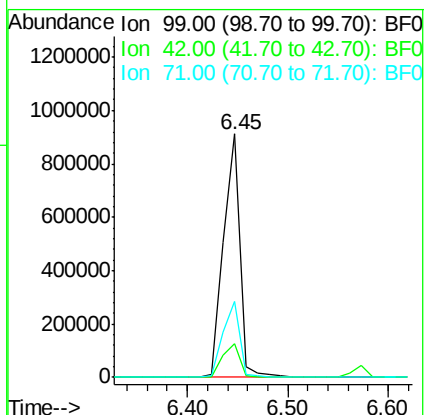
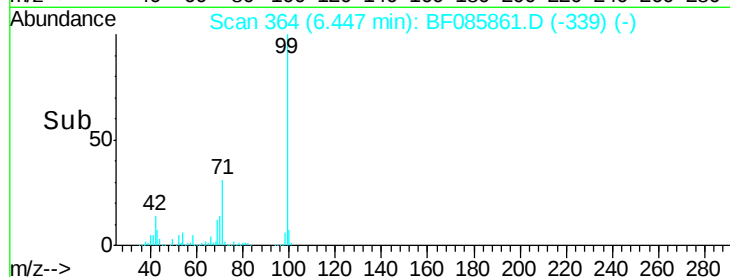
99 100

42 13.8 11.1 16.7

71 31.5 24.9 37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 508

Delta R.T. -0.02 min

Lab File: BF085861.D

Acq: 29 Mar 2016 21:01

Tgt Ion: 136 Resp: 439640

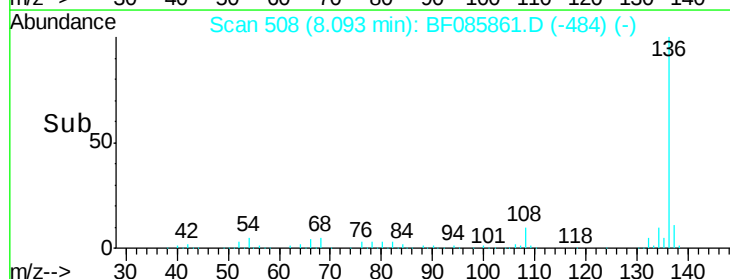
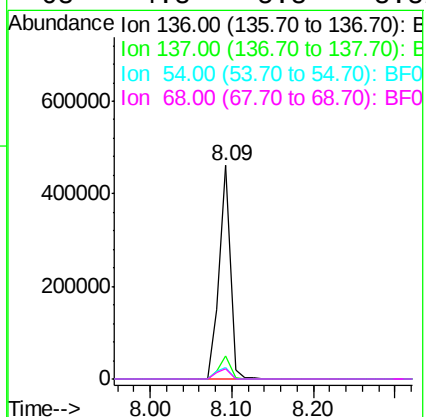
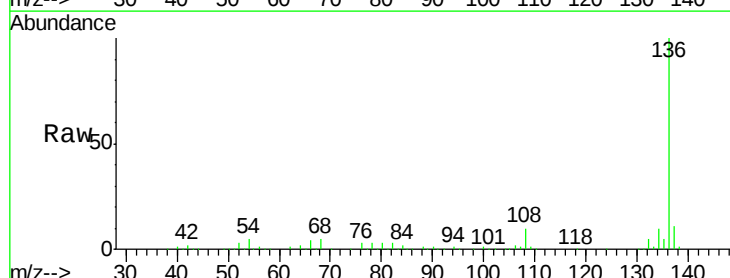
Ion Ratio Lower Upper

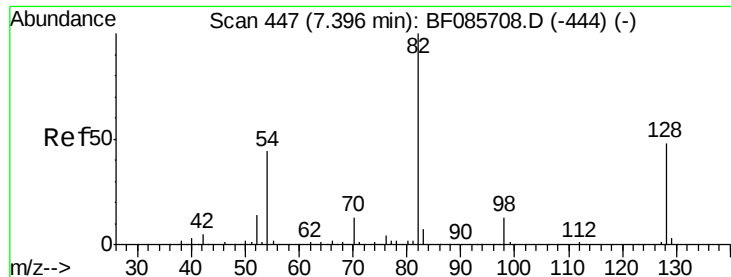
136 100

137 10.9 9.1 13.7

54 5.5 7.4 11.0#

68 4.8 5.8 8.8#





#23

Nitrobenzene-d5

Concen: 78.96 ng

RT: 7.37 min Scan# 445

Delta R.T. -0.02 min

Lab File: BF085861.D

Acq: 29 Mar 2016 21:01

Instrument :

BNA_F

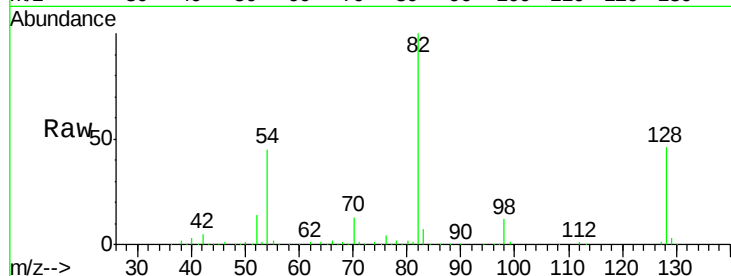
ClientSampled :

TP-2

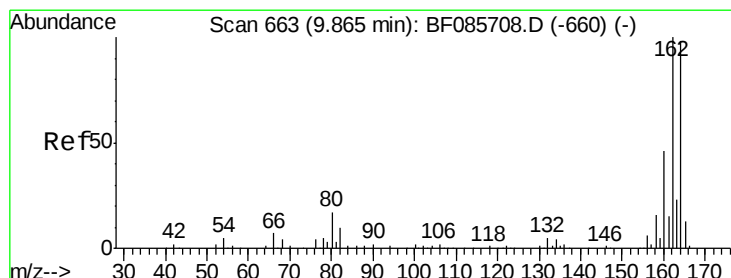
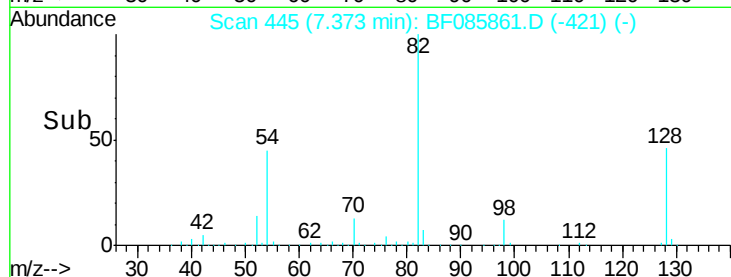
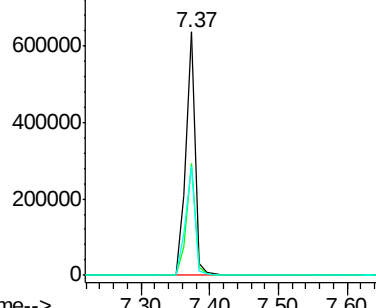
Tgt Ion:	82	Resp:	616457
Ion Ratio	Lower	Upper	
82	100		
128	45.9	41.8	62.8
54	45.1	33.4	50.0

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



#38

Acenaphthene-d10

Concen: 20.00 ng

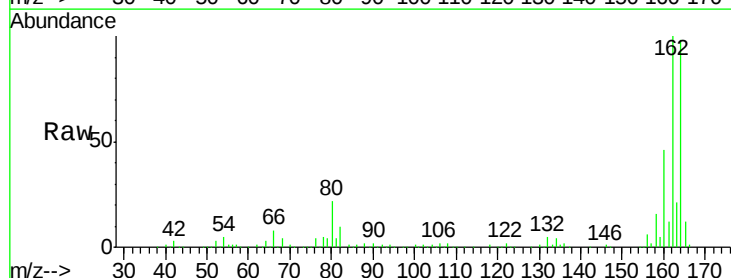
RT: 9.84 min Scan# 661

Delta R.T. -0.02 min

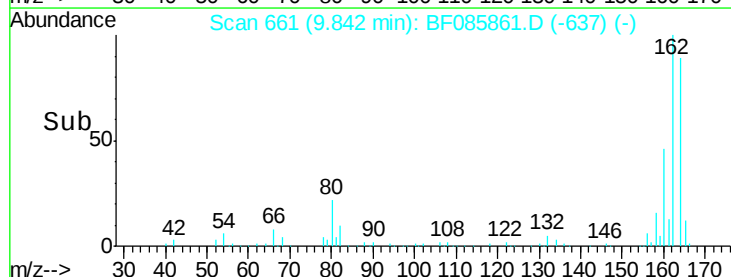
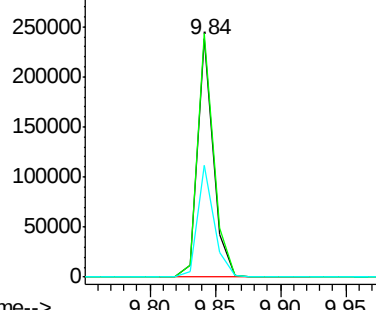
Lab File: BF085861.D

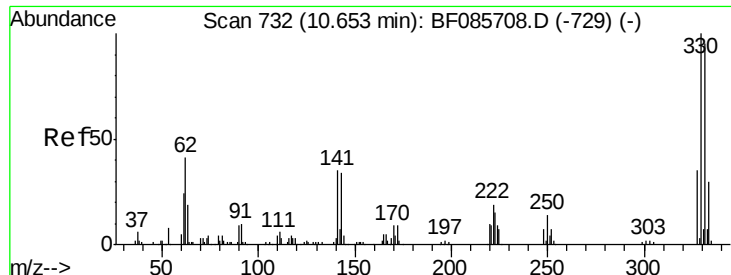
Acq: 29 Mar 2016 21:01

Tgt Ion:	164	Resp:	202934
Ion Ratio	Lower	Upper	
164	100		
162	102.3	82.1	123.1
160	46.9	37.4	56.2



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





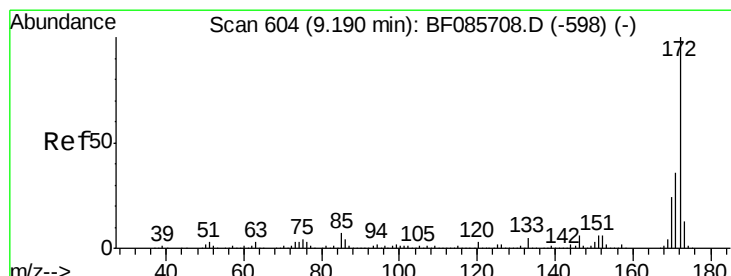
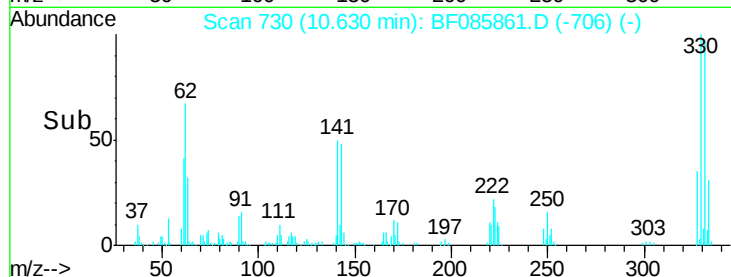
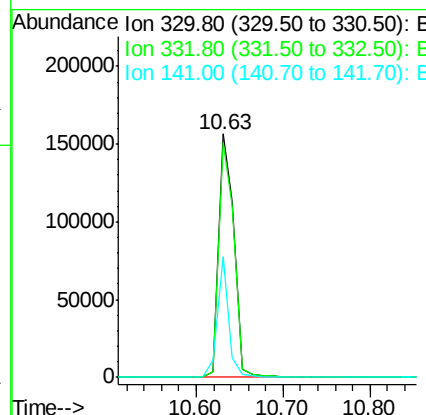
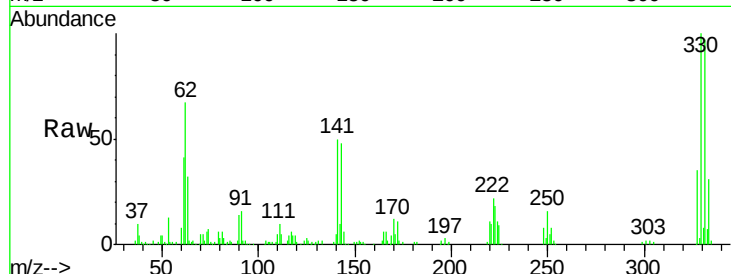
#41
 2,4,6-Tribromophenol
 Concen: 101.33 ng
 RT: 10.63 min Scan# 730
 Delta R.T. -0.02 min
 Lab File: BF085861.D
 Acq: 29 Mar 2016 21:01

Instrument :
 BNA_F
 ClientSampled :
 TP-2

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	195384		
332	96.7	78.2	117.2	
141	37.2	31.5	47.3	

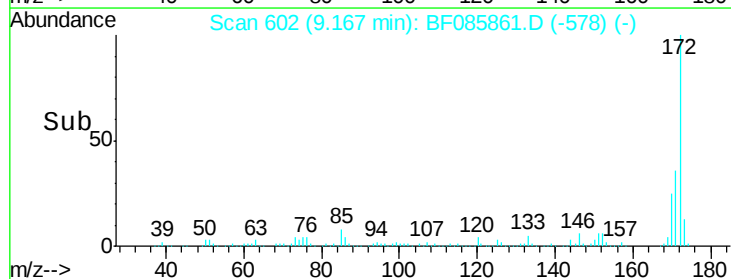
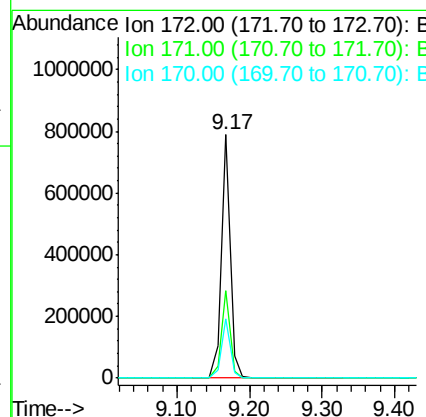
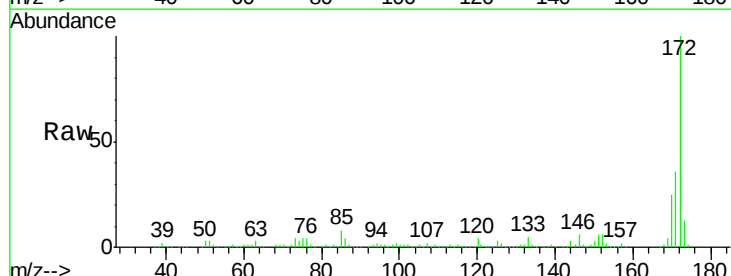
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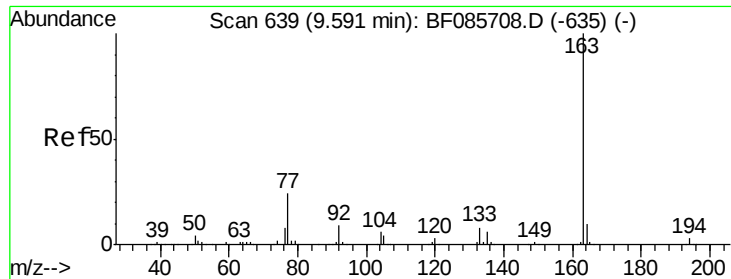
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#44
 2-Fluorobiphenyl
 Concen: 55.41 ng
 RT: 9.17 min Scan# 602
 Delta R.T. -0.02 min
 Lab File: BF085861.D
 Acq: 29 Mar 2016 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	673007		
171	36.0	29.4	44.2	
170	24.5	19.8	29.6	





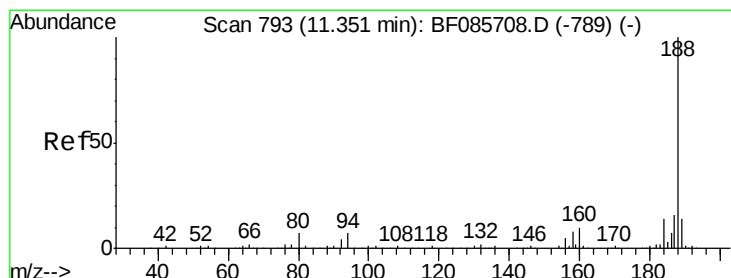
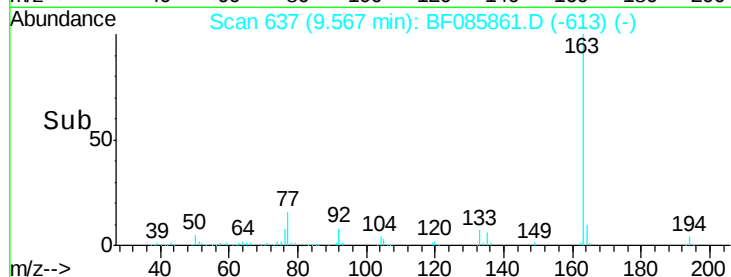
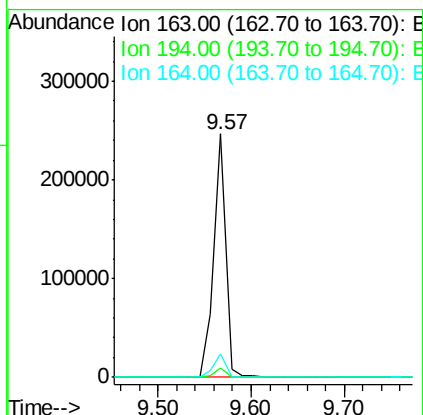
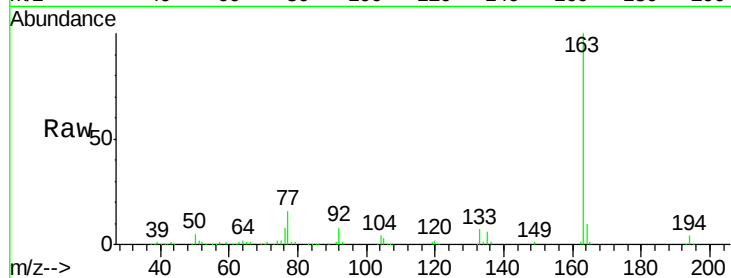
#49
Dimethylphthalate
Concen: 14.46 ng
RT: 9.57 min Scan# 637
Delta R.T. -0.02 min
Lab File: BF085861.D
Acq: 29 Mar 2016 21:01

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.6	2.9	4.3
164	9.7	8.3	12.5

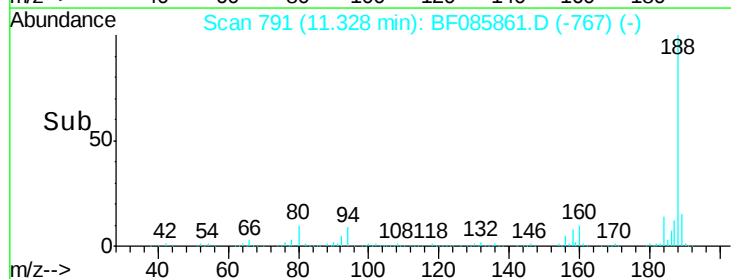
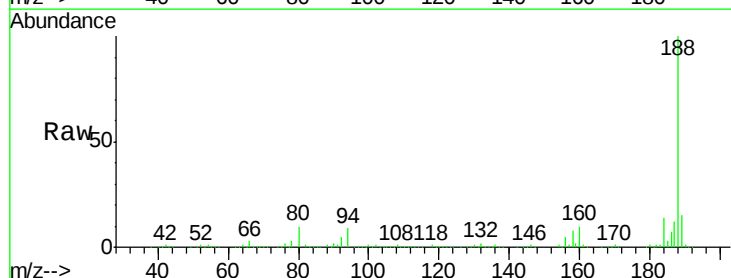
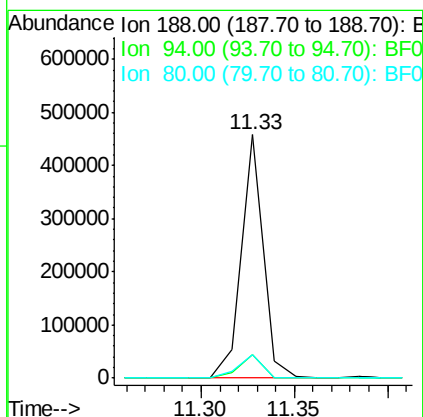
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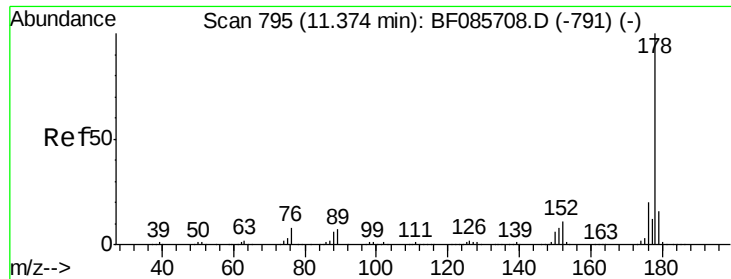
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 791
Delta R.T. -0.02 min
Lab File: BF085861.D
Acq: 29 Mar 2016 21:01

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.4	5.4	8.0#
80	9.8	5.5	8.3#





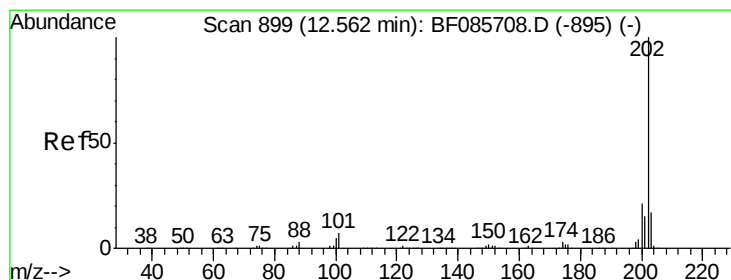
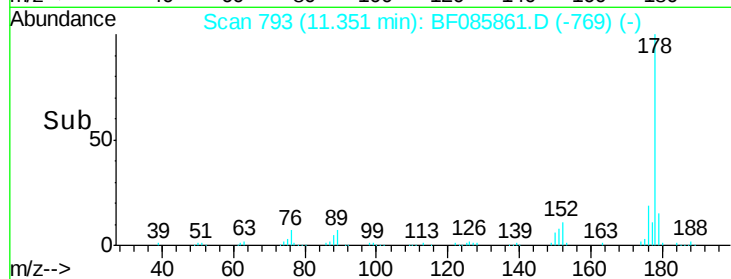
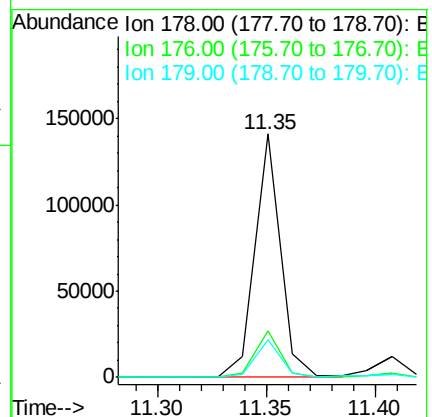
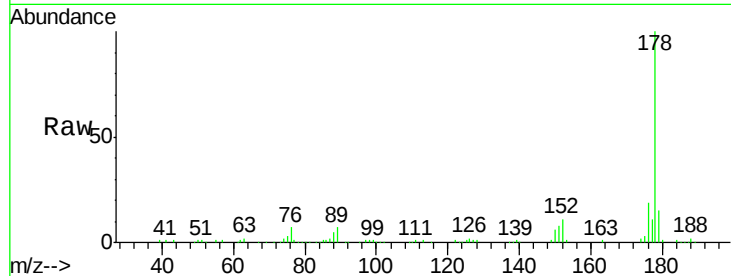
#70
Phenanthrene
Concen: 6.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.02 min
Lab File: BF085861.D
Acq: 29 Mar 2016 21:01

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	115961		
176	19.2	16.3	24.5	
179	15.4	12.6	18.8	

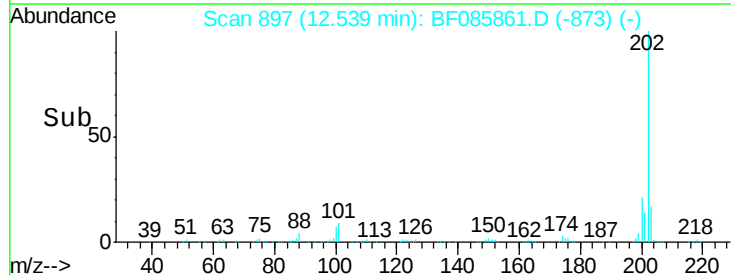
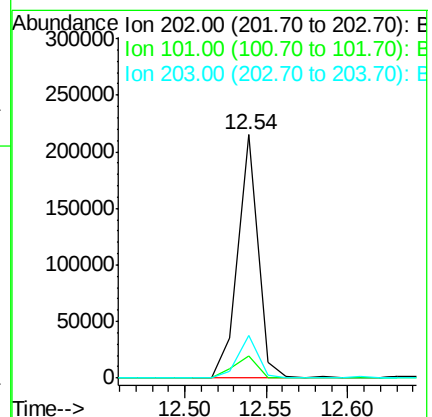
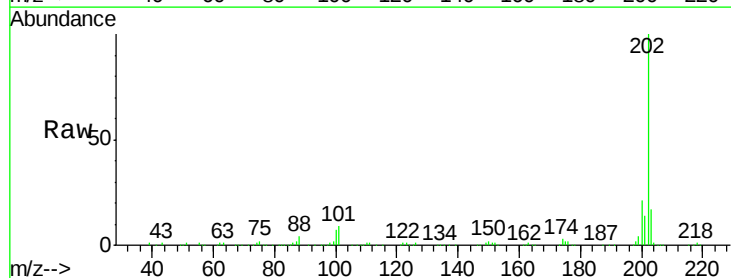
Manual Integrations
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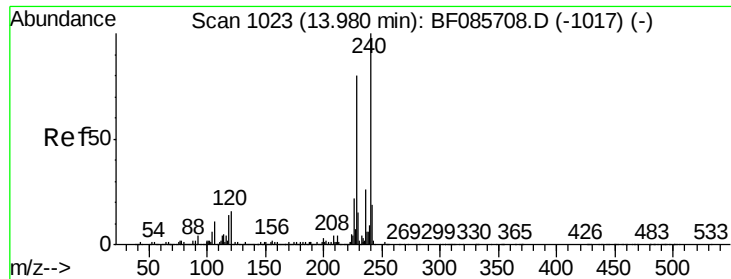
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#74
Fluoranthene
Concen: 8.93 ng
RT: 12.54 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF085861.D
Acq: 29 Mar 2016 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	183572		
101	9.3	0.0	36.6	
203	17.4	0.0	38.1	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF085861.D

Acq: 29 Mar 2016 21:01

Instrument :

BNA_F

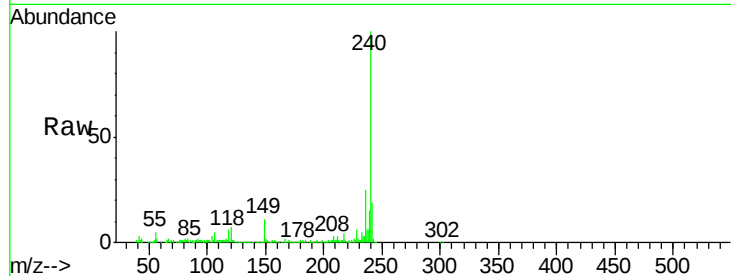
ClientSampled :

TP-2

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	222223		
120	7.2	13.8	20.8#	
236	25.3	20.6	30.8	

Manual Integrations
APPROVED

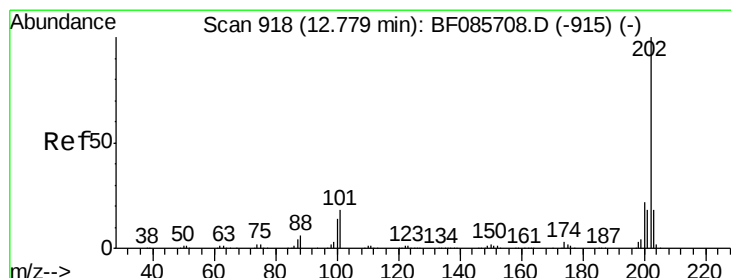
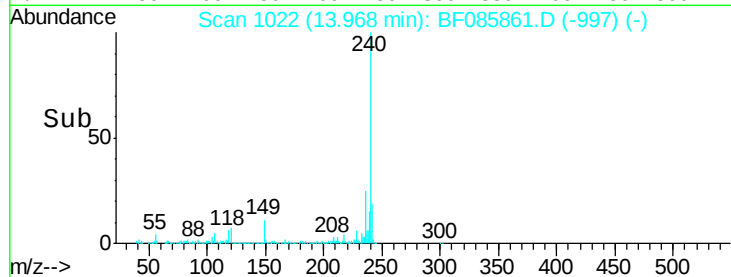
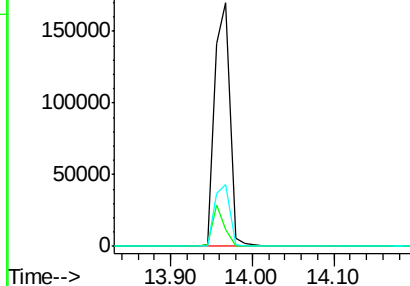
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.10 ng

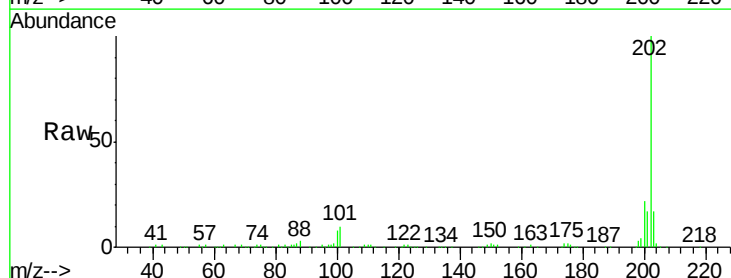
RT: 12.77 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF085861.D

Acq: 29 Mar 2016 21:01

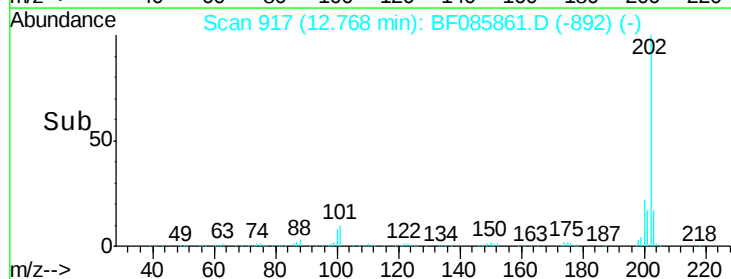
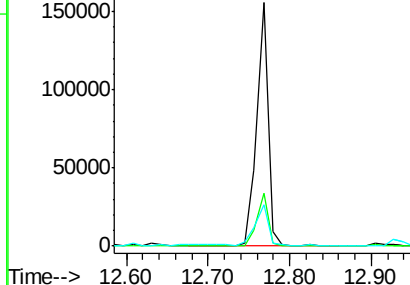
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	148014		
200	21.8	17.6	26.4	
203	16.9	14.0	21.0	

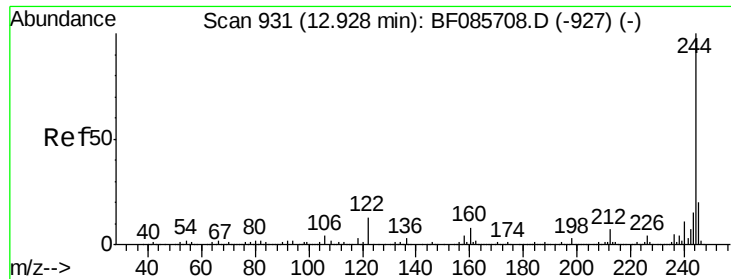


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





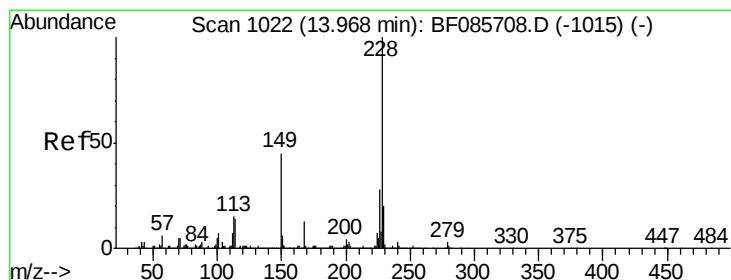
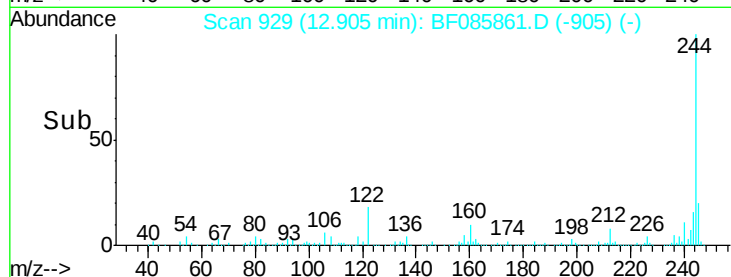
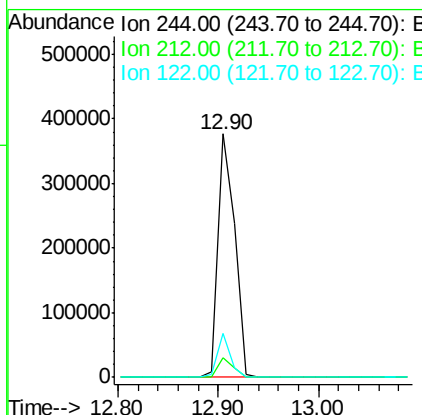
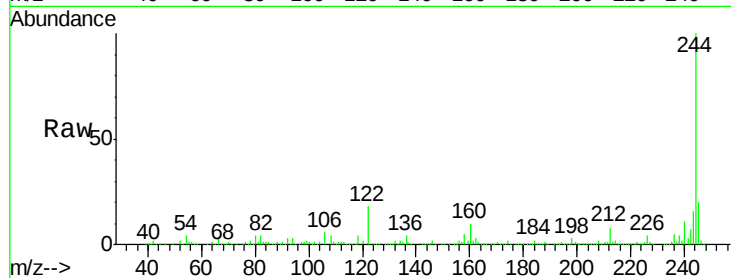
#78
 Terphenyl-d14
 Concen: 40.05 ng
 RT: 12.90 min Scan# 929
 Delta R.T. -0.02 min
 Lab File: BF085861.D
 Acq: 29 Mar 2016 21:01

Instrument :
 BNA_F
 ClientSampled :
 TP-2

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.0	6.1	9.1
122	18.2	10.2	15.4

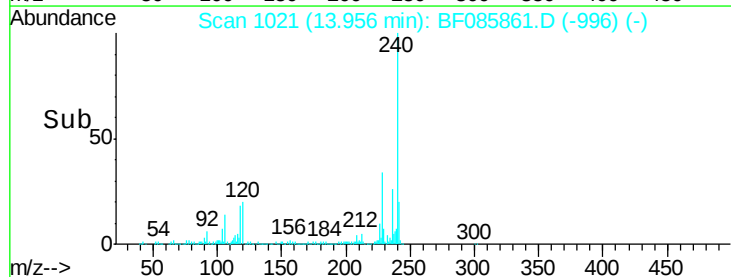
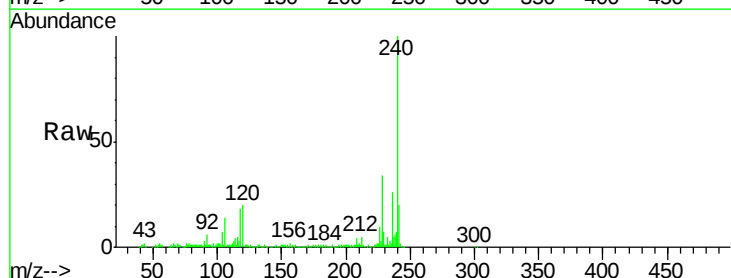
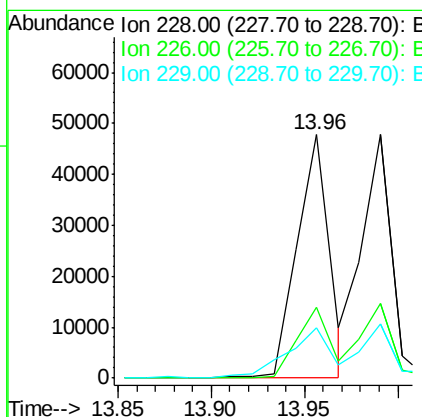
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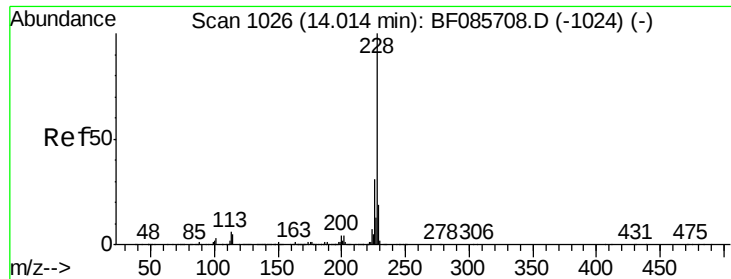
Sohil
 3/30/2016 7:05:37 PM



#80
 Benzo(a)anthracene
 Concen: 4.57 ng
 RT: 13.96 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF085861.D
 Acq: 29 Mar 2016 21:01

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.2	22.1	33.1
229	20.5	16.2	24.4





#82

Chrysene

Concen: 4.12 ng m

RT: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085861.D

Acq: 29 Mar 2016 21:01

Instrument :

BNA_F

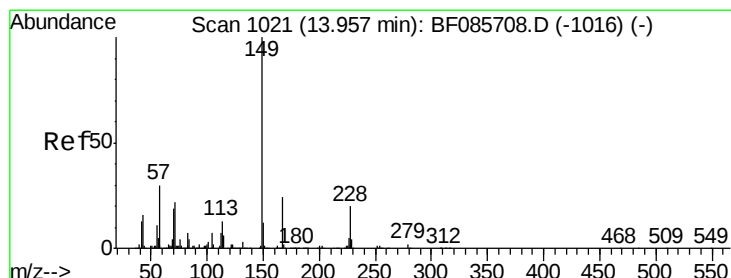
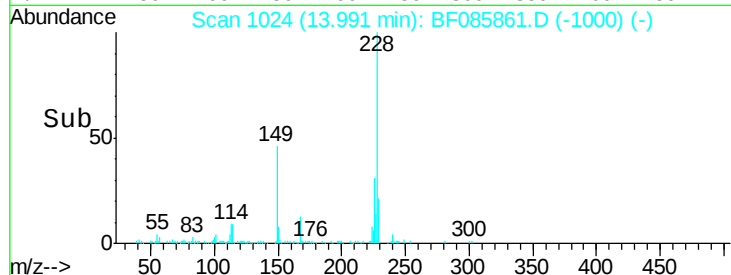
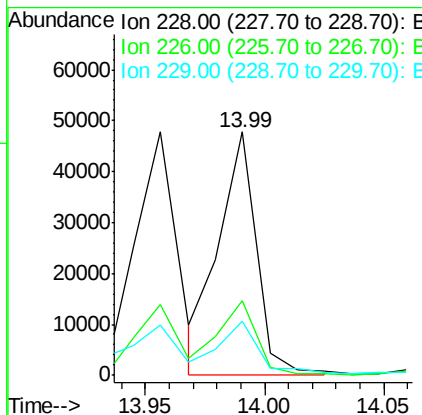
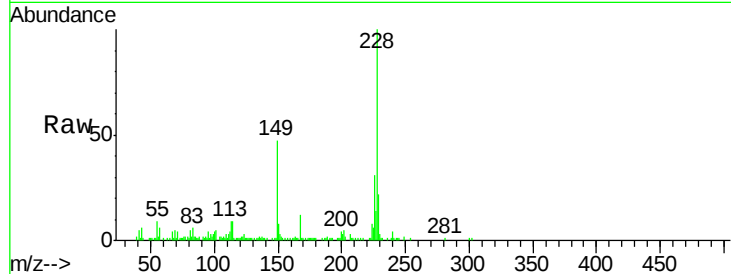
ClientSampleId :

TP-2

Tgt Ion:	228	Resp:	52554
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	22.4	15.7	23.5

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#83

Bis(2-ethylhexyl)phthalate

Concen: 16.76 ng

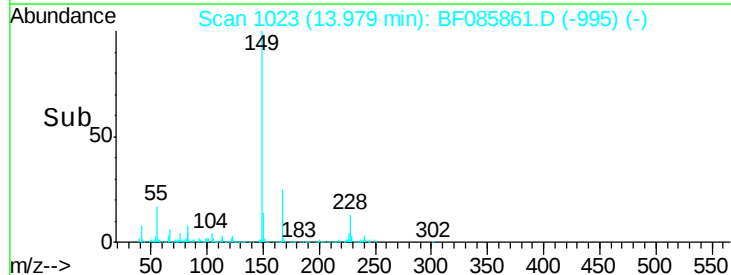
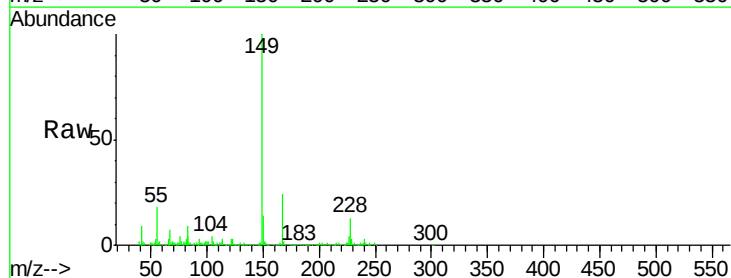
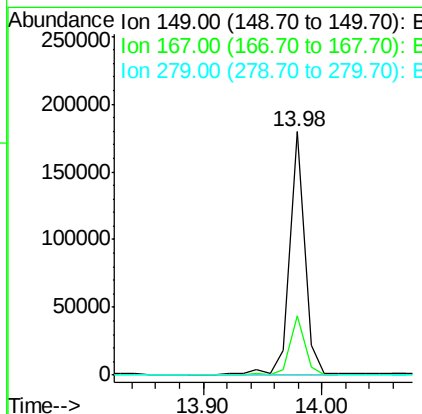
RT: 13.98 min Scan# 1023

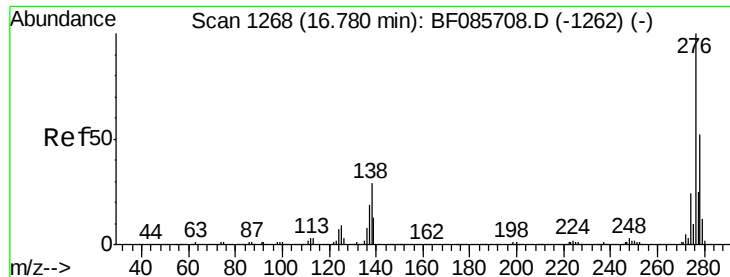
Delta R.T. 0.02 min

Lab File: BF085861.D

Acq: 29 Mar 2016 21:01

Tgt Ion:	149	Resp:	153524
Ion Ratio	Lower	Upper	
149	100		
167	24.5	19.4	29.2
279	0.0	1.5	2.3#





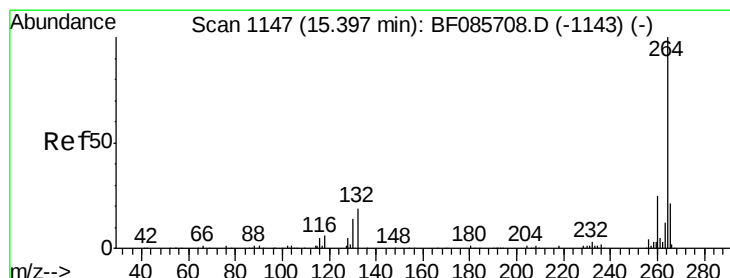
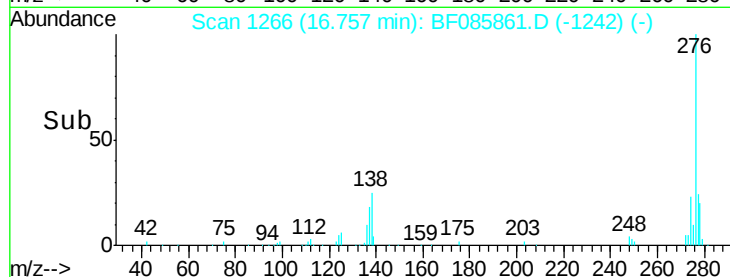
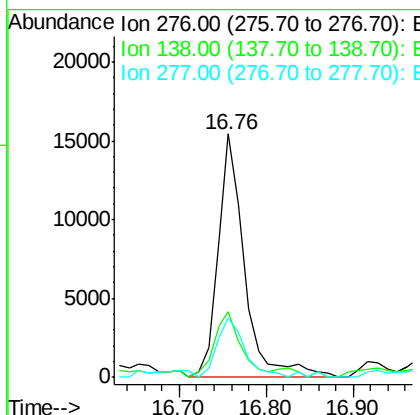
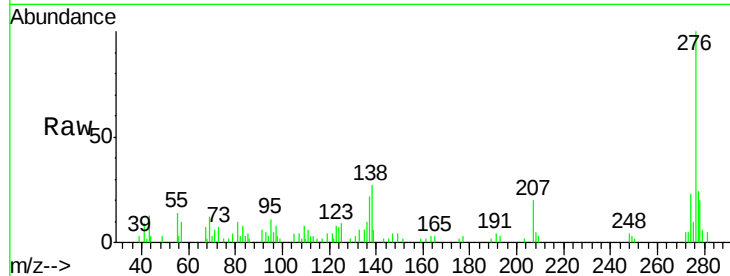
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.32 ng
 RT: 16.76 min Scan# 1266
 Delta R.T. -0.02 min
 Lab File: BF085861.D
 Acq: 29 Mar 2016 21:01

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion:	276	Resp:	32702
Ion Ratio	Lower	Upper	
276	100		
138	27.9	24.2	36.4
277	25.2	20.0	30.0

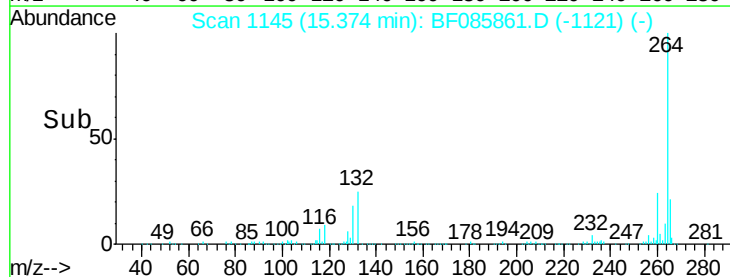
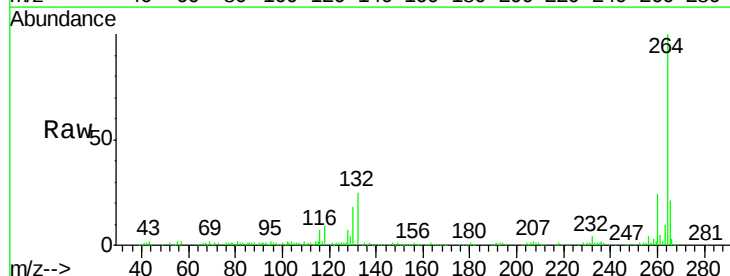
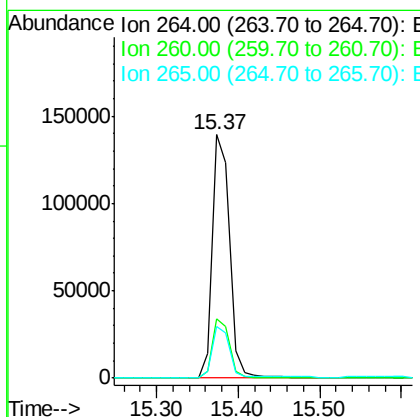
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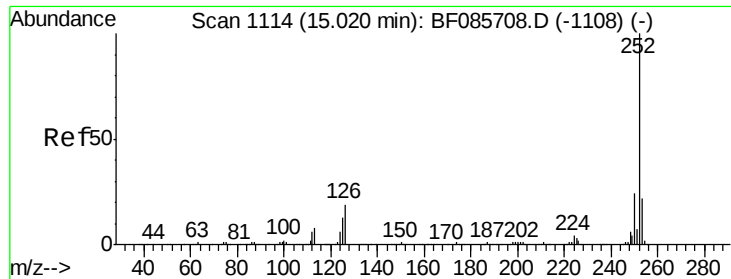
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1145
 Delta R.T. -0.02 min
 Lab File: BF085861.D
 Acq: 29 Mar 2016 21:01

Tgt Ion:	264	Resp:	207897
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.4	29.2
265	21.0	17.2	25.8





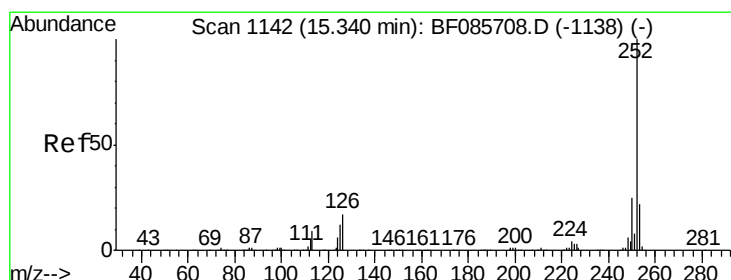
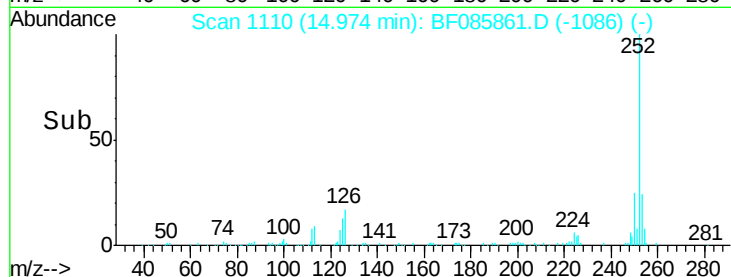
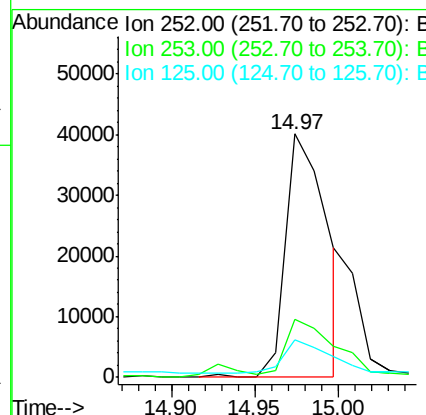
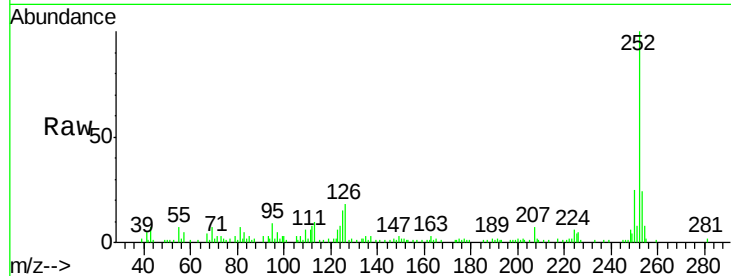
#87
Benzo(b)fluoranthene
Concen: 5.24 ng m
RT: 14.97 min Scan# 1110
Delta R.T. -0.02 min
Lab File: BF085861.D
Acq: 29 Mar 2016 21:01

Instrument :
BNA_F
ClientSampled :
TP-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	15.4	10.3	15.5

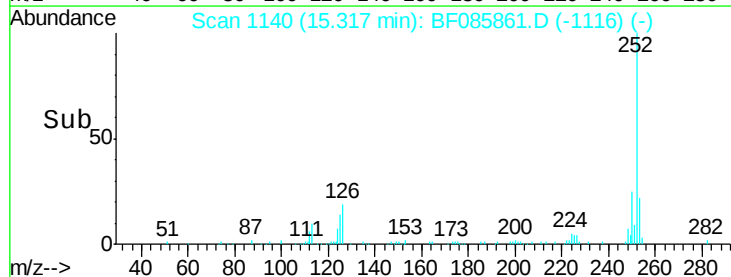
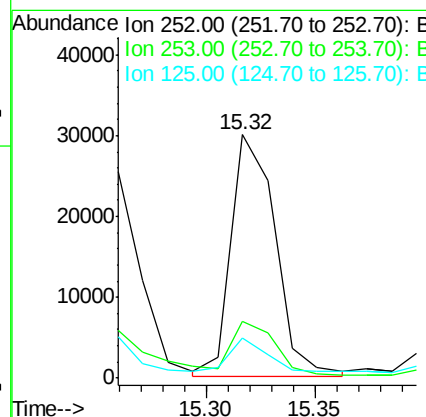
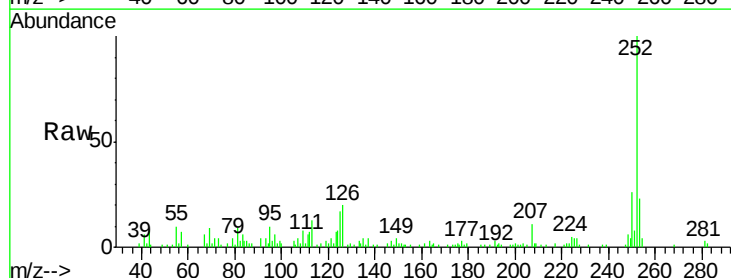
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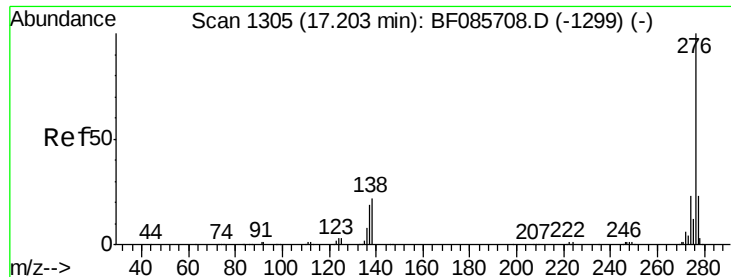
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#89
Benzo(a)pyrene
Concen: 3.65 ng
RT: 15.32 min Scan# 1140
Delta R.T. -0.02 min
Lab File: BF085861.D
Acq: 29 Mar 2016 21:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	16.6	10.3	15.5#





#91
 Benzo(g,h,i)perylene
 Concen: 2.77 ng
 RT: 17.17 min Scan# 1302
 Delta R.T. -0.03 min
 Lab File: BF085861.D
 Acq: 29 Mar 2016 21:01

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	27.7	22.6	34.0

Manual Integrations
 APPROVED

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