

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085629.D
 Acq On : 21 Mar 2016 18:34
 Operator : UM/SJ
 Sample : H1803-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-01

Manual Integrations
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 3/22/2016 5:33:41 PM

Quant Time: Mar 22 01:51:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	141034	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	581842	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	229777	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	377179	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	276427	20.00	ng	-0.02
86) Perylene-d12	15.42	264	283891	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	846182	100.78	ng	-0.01
7) Phenol-d6	6.48	99	1106597	102.76	ng	-0.01
23) Nitrobenzene-d5	7.41	82	672335	67.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	179574	79.78	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	979492	69.45	ng	-0.02
78) Terphenyl-d14	12.95	244	779686	67.87	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	131688	7.59	ng	98
70) Phenanthrene	11.39	178	132020	6.64	ng	98
74) Fluoranthene	12.57	202	222589	10.69	ng	90
77) Pyrene	12.80	202	186355	9.39	ng	99
80) Benzo(a)anthracene	13.98	228	103642	6.46	ng	95
82) Chrysene	14.03	228	83846m	5.43	ng	
85) Indeno(1,2,3-cd)pyrene	16.81	276	57099	4.43	ng	96
87) Benzo(b)fluoranthene	15.02	252	137404m	7.42	ng	
88) Benzo(k)fluoranthene	15.04	252	38232m	2.51	ng	
89) Benzo(a)pyrene	15.36	252	97080	6.18	ng	97
91) Benzo(g,h,i)perylene	17.24	276	57905	4.57	ng	96

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

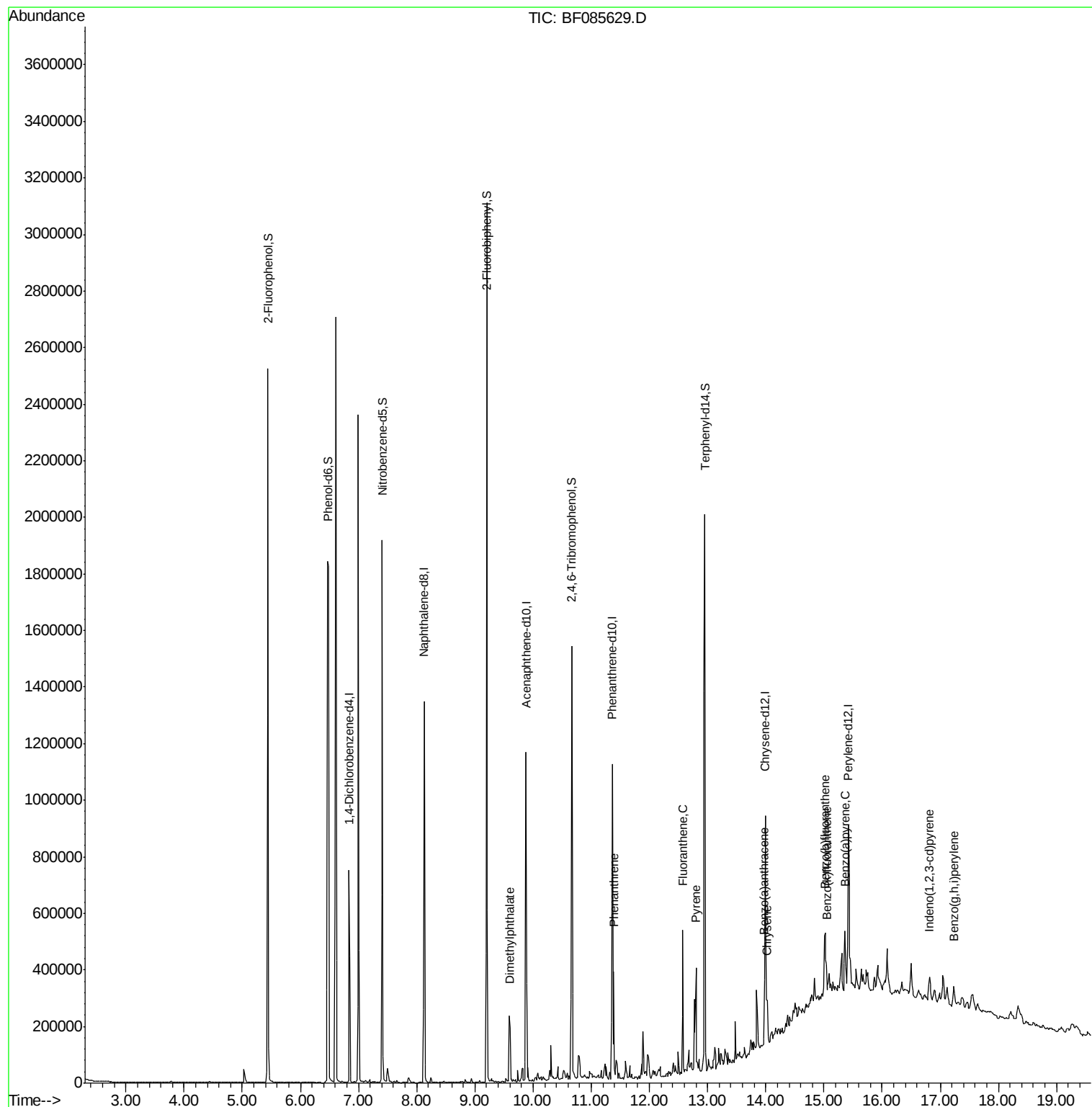
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085629.D
Acq On : 21 Mar 2016 18:34
Operator : UM/SJ
Sample : H1803-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

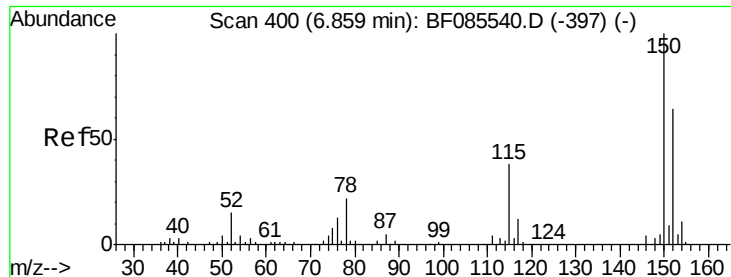
Instrument :
BNA_F
ClientSampleId :
SP-01

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
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#1

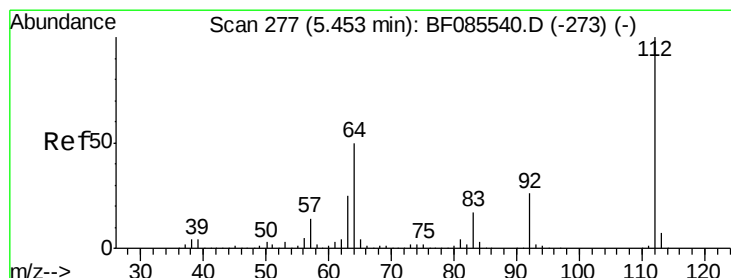
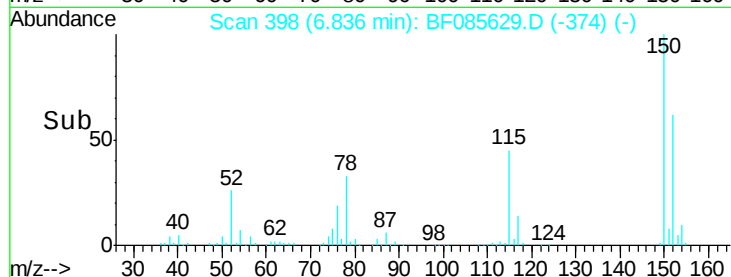
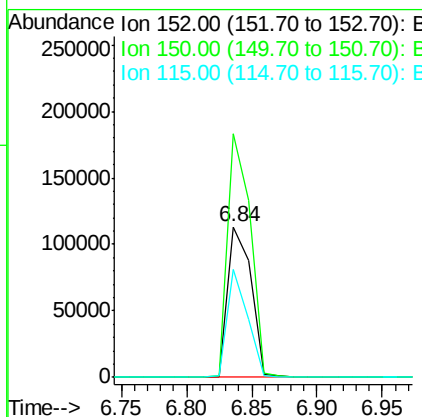
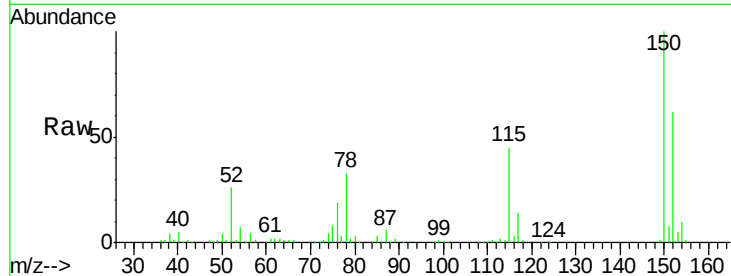
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 398
Delta R.T. -0.02 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Instrument :
BNA_F
ClientSampled :
SP-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.0	124.2	186.2
115	72.1	47.0	70.6

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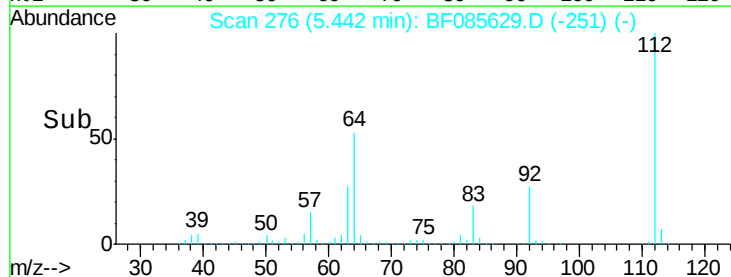
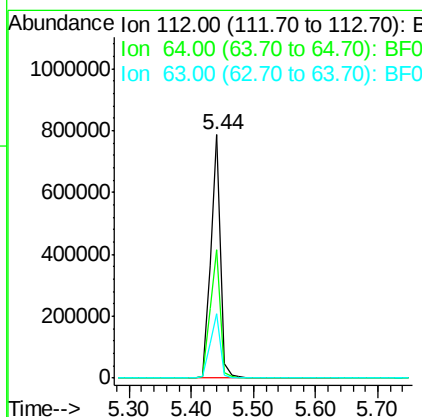
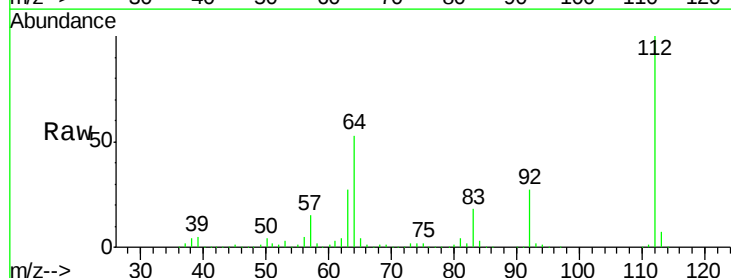
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#5

2-Fluorophenol
Concen: 100.78 ng
RT: 5.44 min Scan# 276
Delta R.T. -0.01 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	39.9	59.9
63	26.7	20.2	30.2





#7

Phenol-d6

Concen: 102.76 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

Instrument :

BNA_F

ClientSampled :

SP-01

Tgt Ion: 99 Resp: 1106597

Ion Ratio Lower Upper

99 100

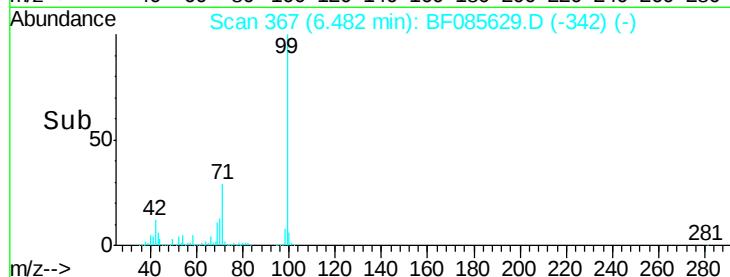
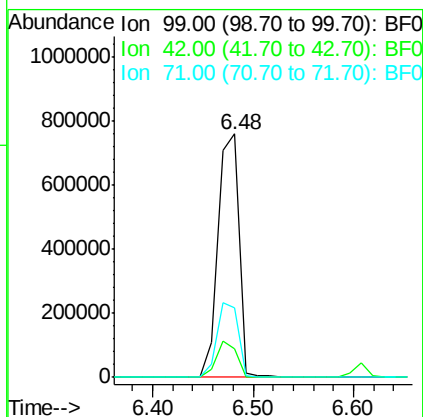
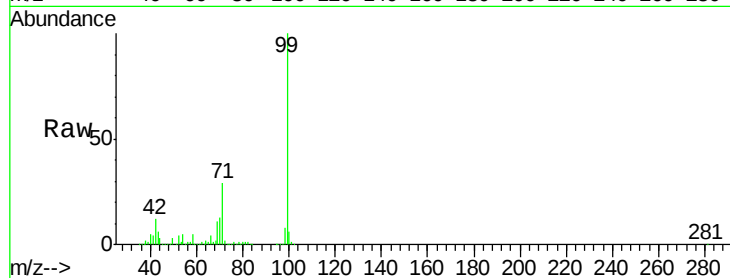
42 11.7 11.1 16.7

71 28.7 24.9 37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

Tgt Ion: 136 Resp: 581842

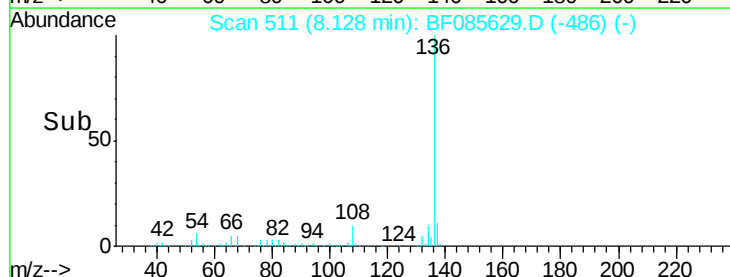
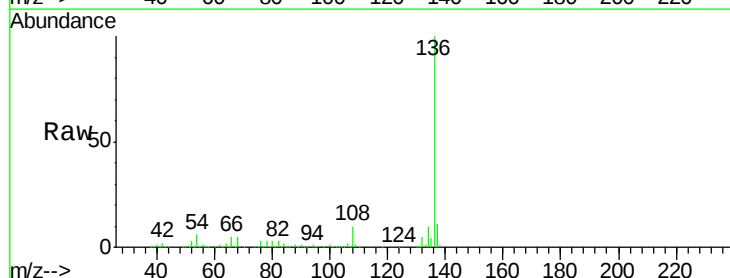
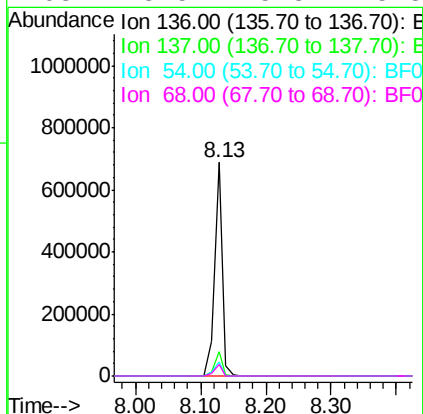
Ion Ratio Lower Upper

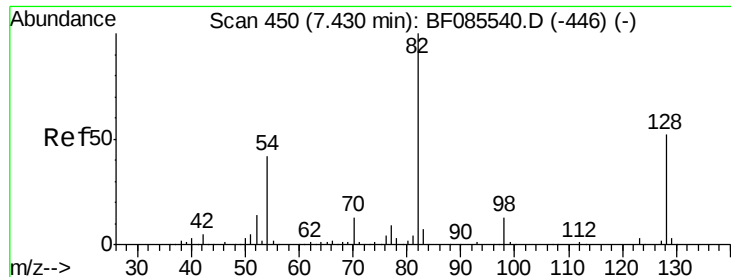
136 100

137 11.3 9.1 13.7

54 6.4 7.4 11.0#

68 5.5 5.8 8.8#





#23

Nitrobenzene-d5

Concen: 67.07 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

Instrument :

BNA_F

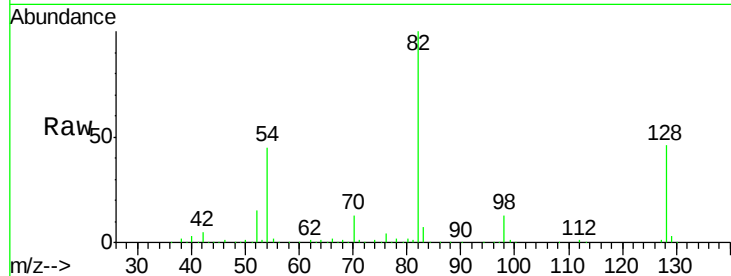
ClientSampled :

SP-01

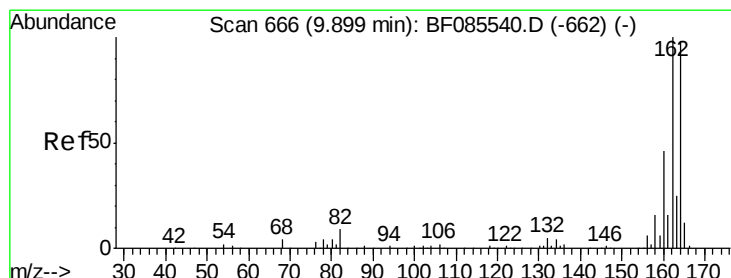
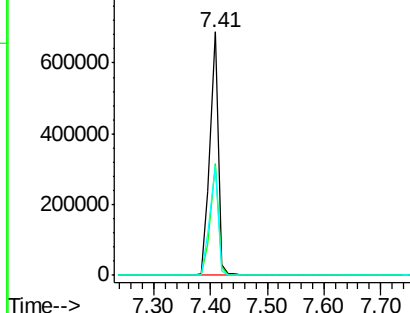
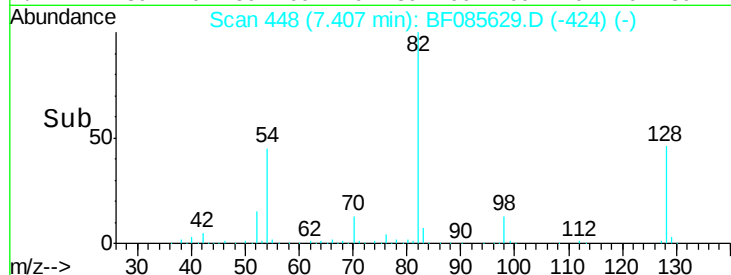
Tgt Ion:	82	Resp:	672335
Ion Ratio	Lower	Upper	
82	100		
128	45.7	41.8	62.8
54	44.8	33.4	50.0

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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

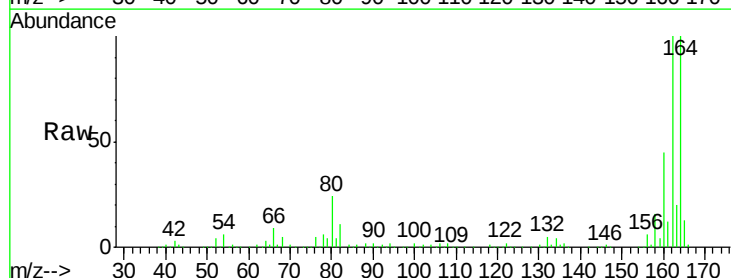
RT: 9.88 min Scan# 664

Delta R.T. -0.02 min

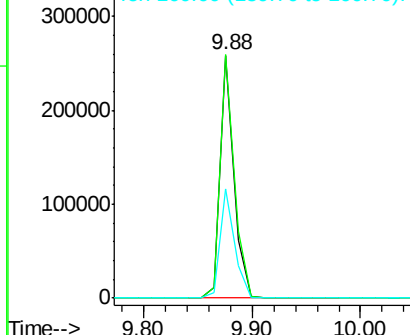
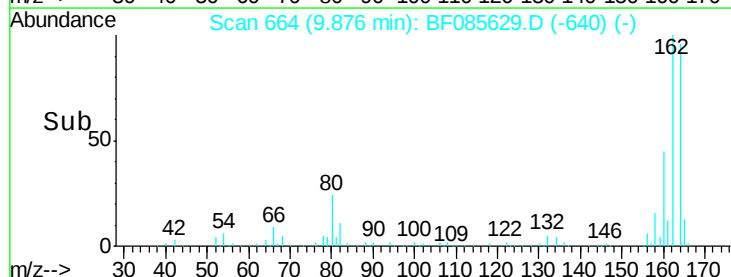
Lab File: BF085629.D

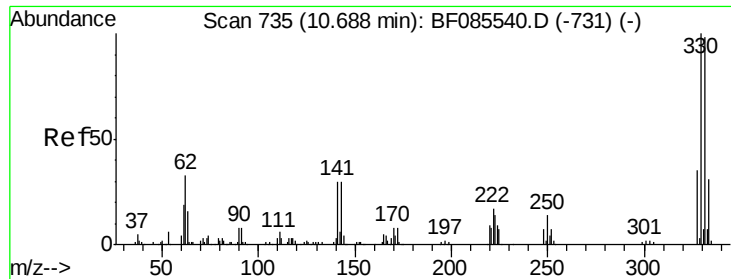
Acq: 21 Mar 2016 18:34

Tgt Ion:	164	Resp:	229777
Ion Ratio	Lower	Upper	
164	100		
162	100.4	82.1	123.1
160	45.1	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





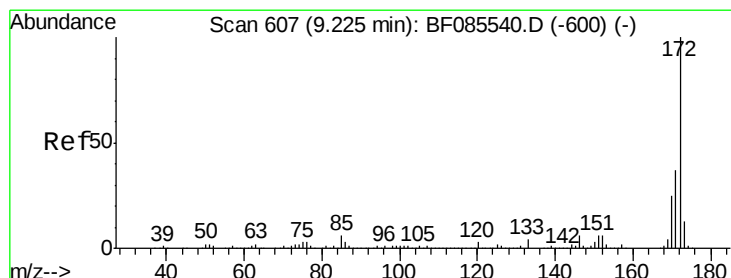
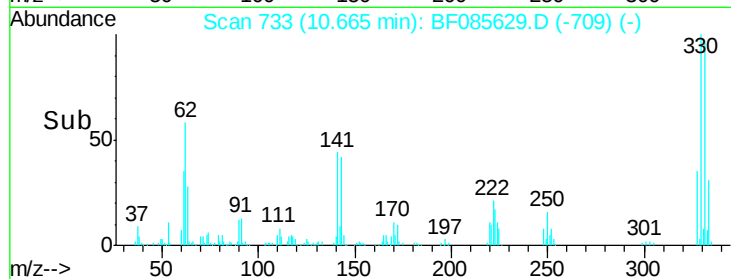
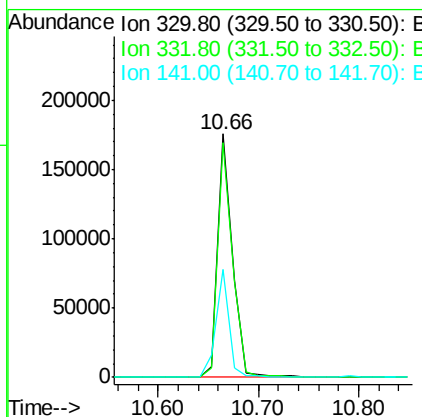
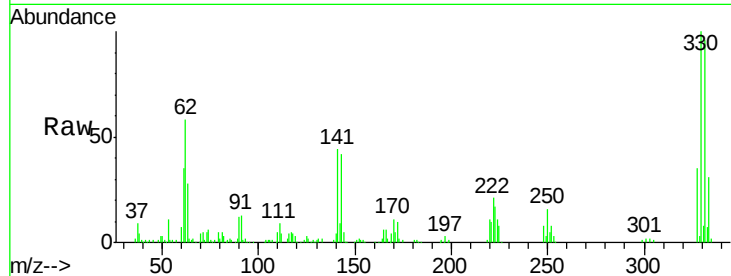
#41
 2,4,6-Tribromophenol
 Concen: 79.78 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: BF085629.D
 Acq: 21 Mar 2016 18:34

Instrument :
 BNA_F
 ClientSampled :
 SP-01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	179574		
332	96.8	78.2	117.2	
141	40.6	31.5	47.3	

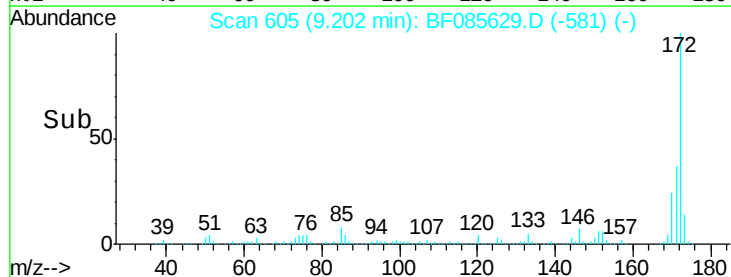
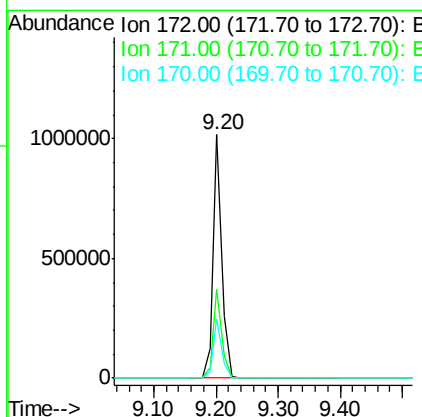
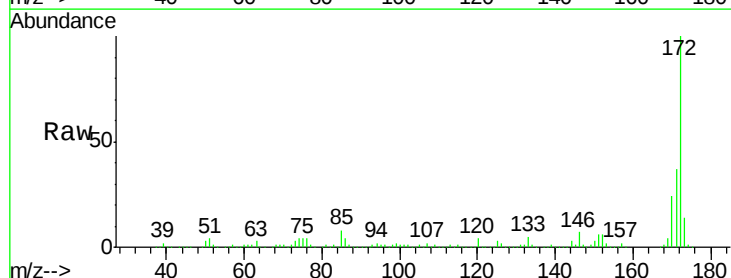
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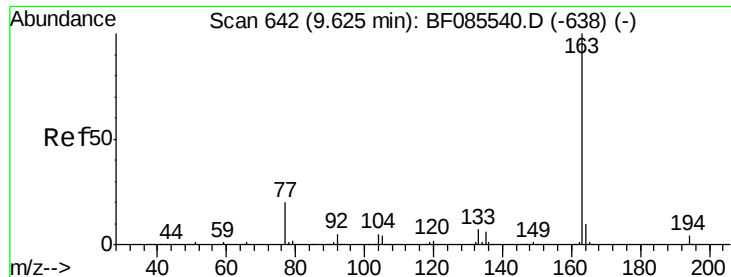
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#44
 2-Fluorobiphenyl
 Concen: 69.45 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.02 min
 Lab File: BF085629.D
 Acq: 21 Mar 2016 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	979492		
171	36.6	29.4	44.2	
170	24.4	19.8	29.6	





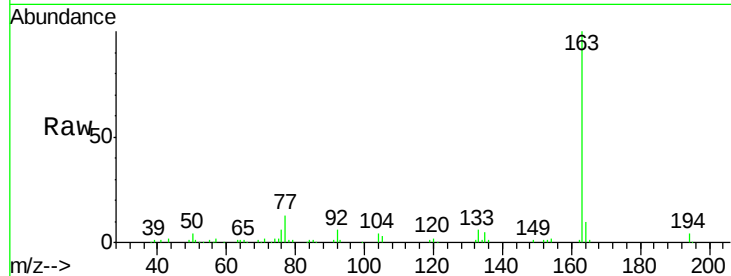
#49
Dimethylphthalate
Concen: 7.59 ng
RT: 9.60 min Scan# 640
Delta R.T. -0.02 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Instrument :
BNA_F
ClientSampled :
SP-01

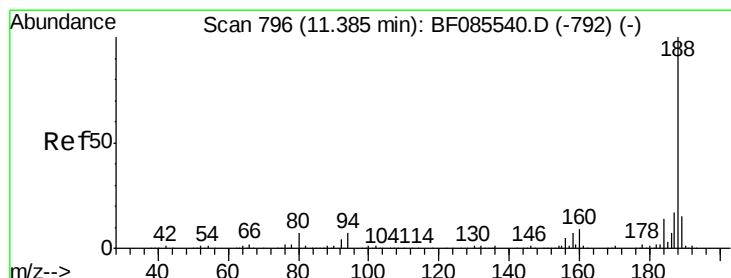
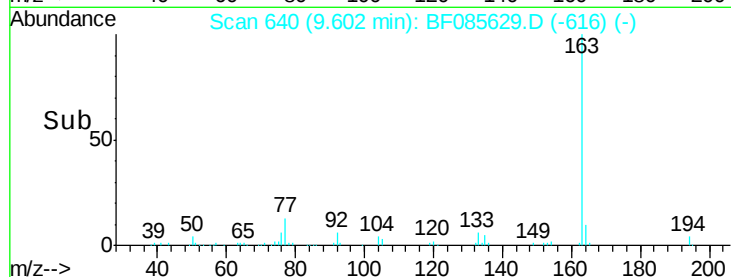
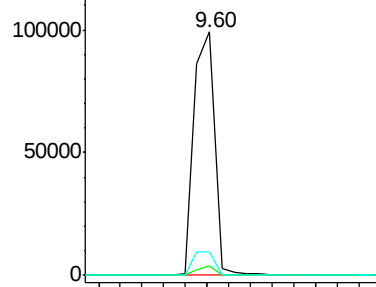
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.0	2.9	4.3
164	9.6	8.3	12.5

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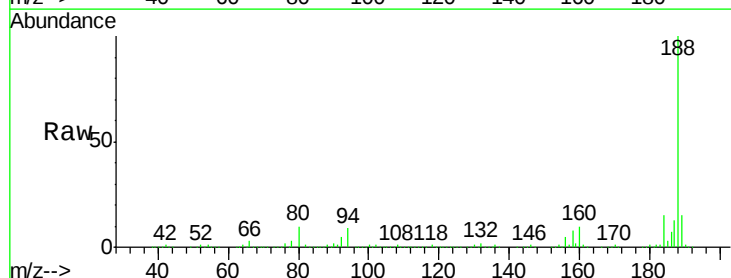


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

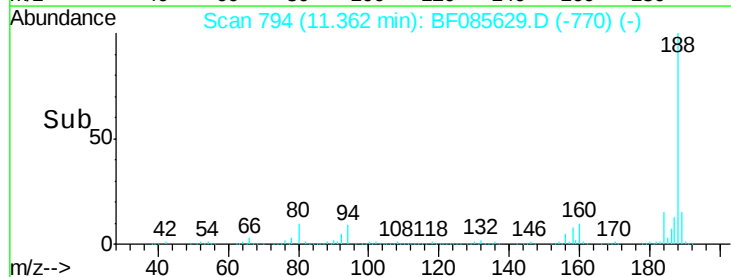
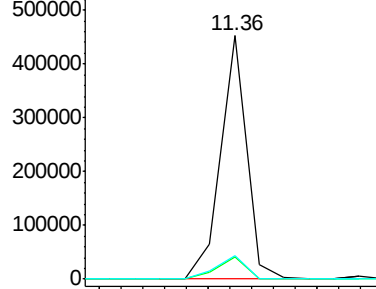


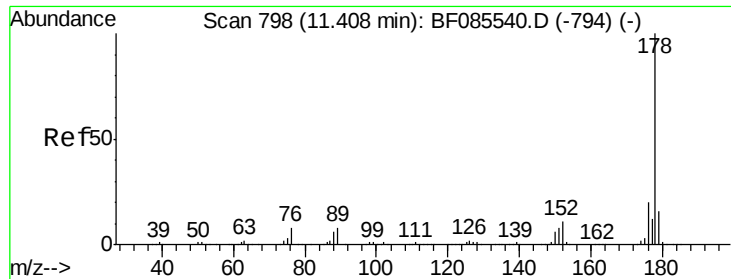
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.2	5.4	8.0#
80	9.6	5.5	8.3#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





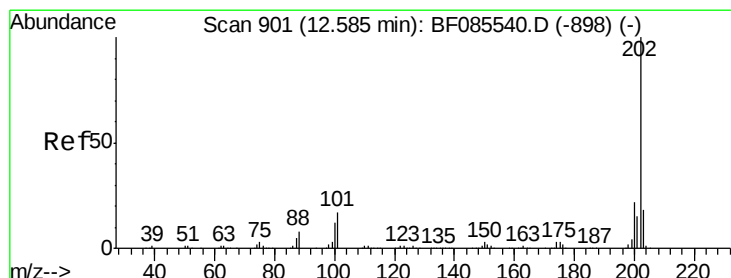
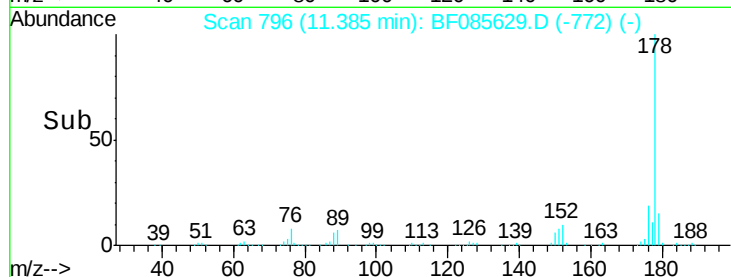
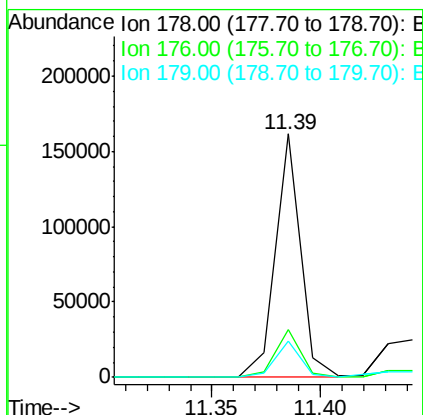
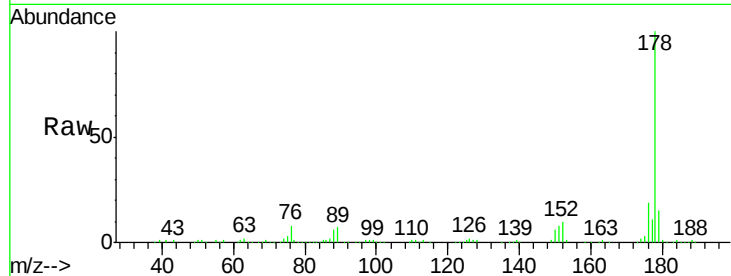
#70
Phenanthrene
Concen: 6.64 ng
RT: 11.39 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Instrument :
BNA_F
ClientSampleId :
SP-01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.3	24.5
179	15.0	12.6	18.8

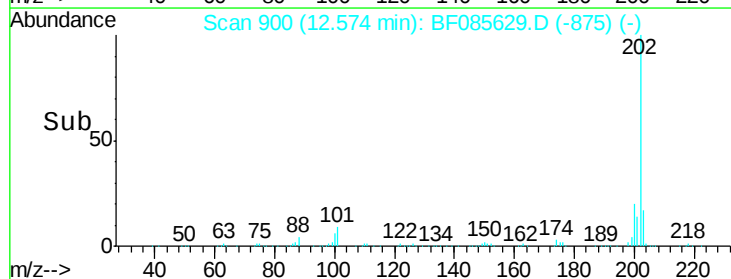
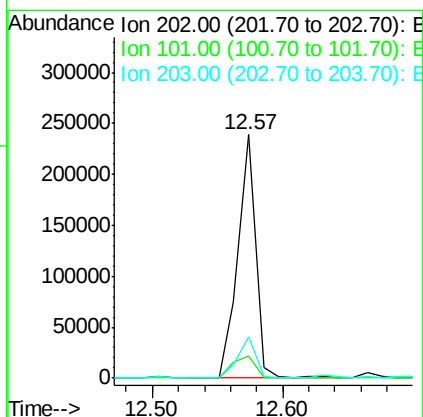
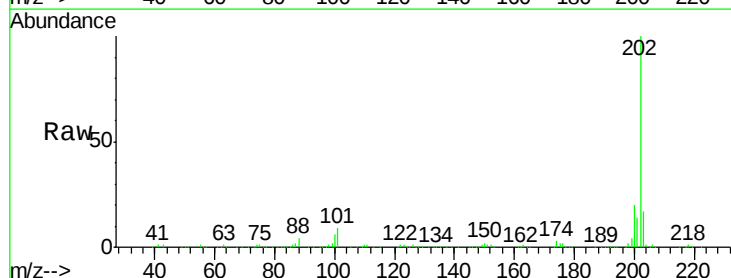
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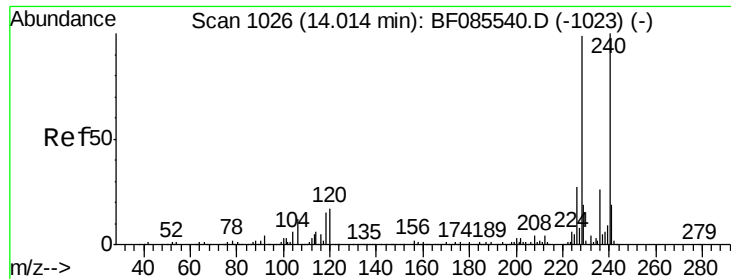
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#74
Fluoranthene
Concen: 10.69 ng
RT: 12.57 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	36.6
203	17.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

Instrument :

BNA_F

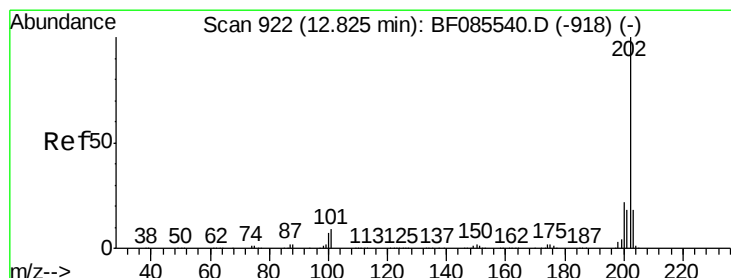
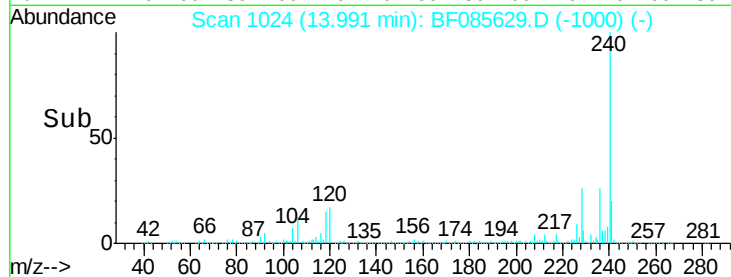
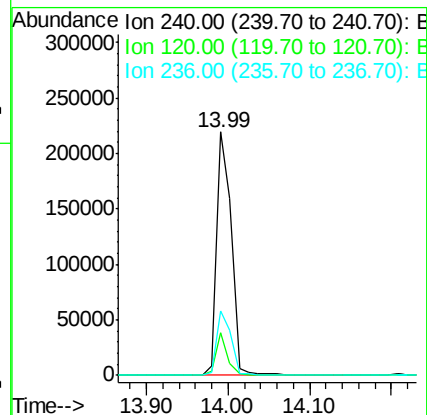
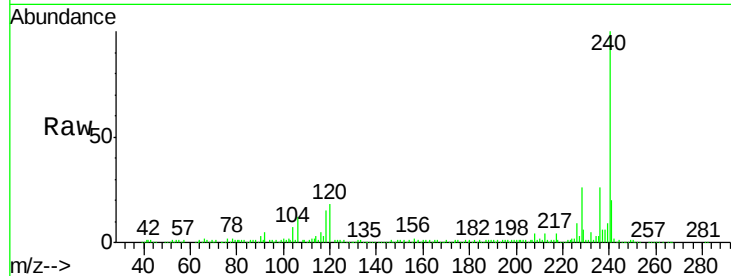
ClientSampled :

SP-01

Tgt Ion:	240	Resp:	276427
Ion Ratio	Lower	Upper	
240	100		
120	17.6	13.8	20.8
236	26.3	20.6	30.8

Manual Integrations
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#77

Pyrene

Concen: 9.39 ng

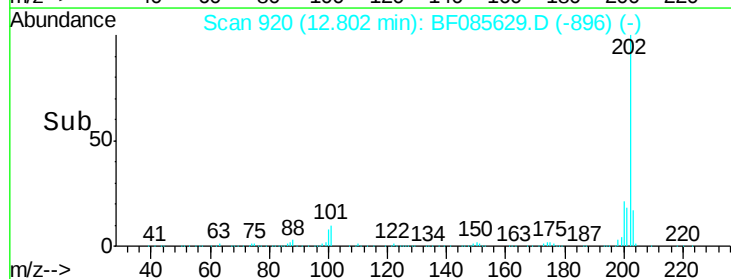
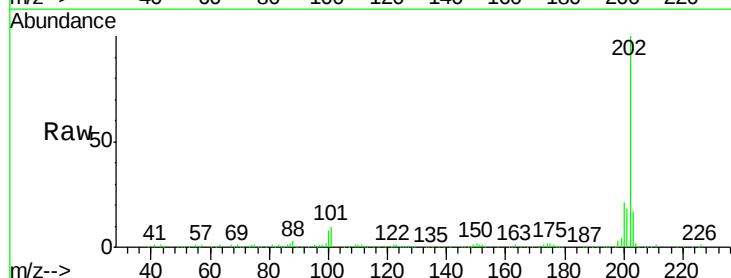
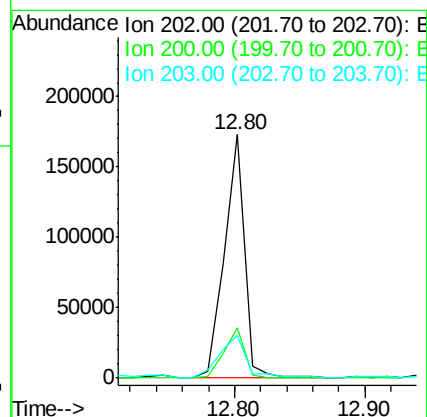
RT: 12.80 min Scan# 920

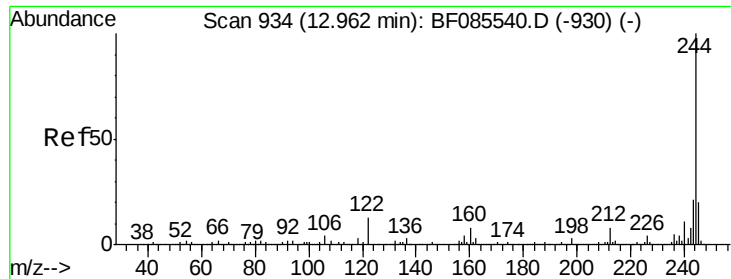
Delta R.T. -0.02 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

Tgt Ion:	202	Resp:	186355
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.6	26.4
203	17.4	14.0	21.0





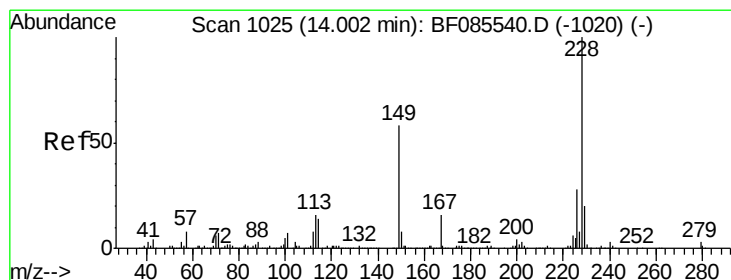
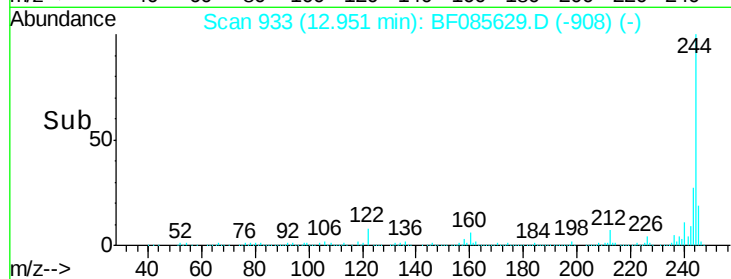
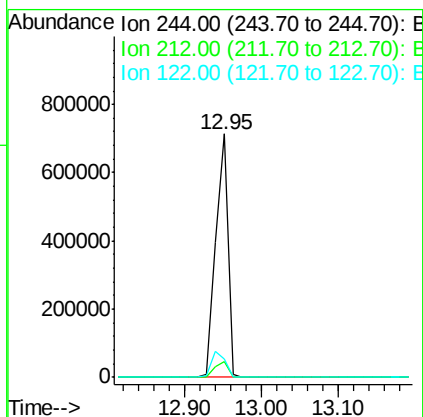
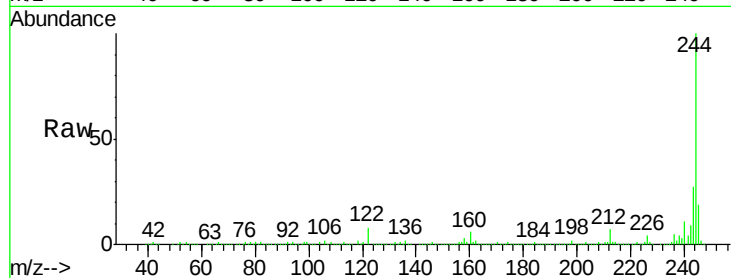
#78
 Terphenyl-d14
 Concen: 67.87 ng
 RT: 12.95 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF085629.D
 Acq: 21 Mar 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 SP-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.7	6.1	9.1
122	7.7	10.2	15.4

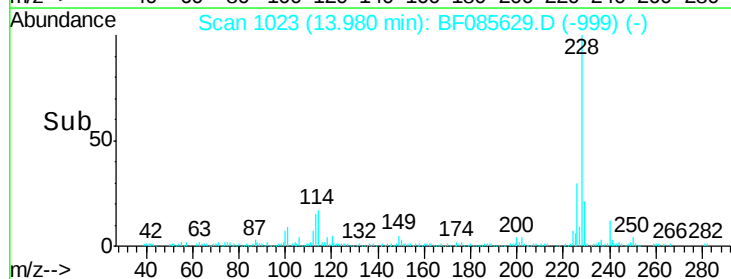
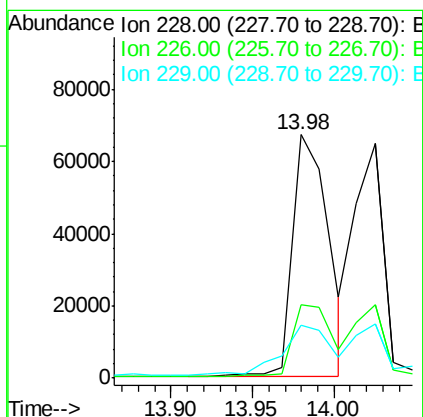
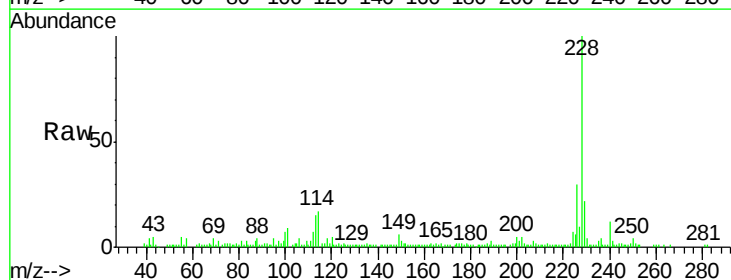
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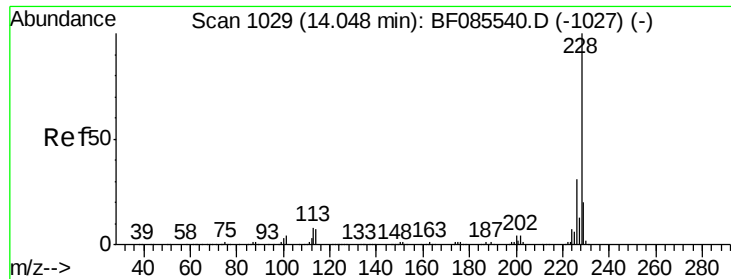
Sohil
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#80
 Benzo(a)anthracene
 Concen: 6.46 ng
 RT: 13.98 min Scan# 1023
 Delta R.T. -0.02 min
 Lab File: BF085629.D
 Acq: 21 Mar 2016 18:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.4	22.1	33.1
229	21.9	16.2	24.4





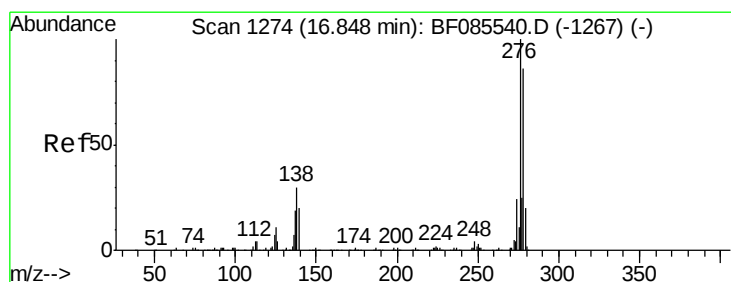
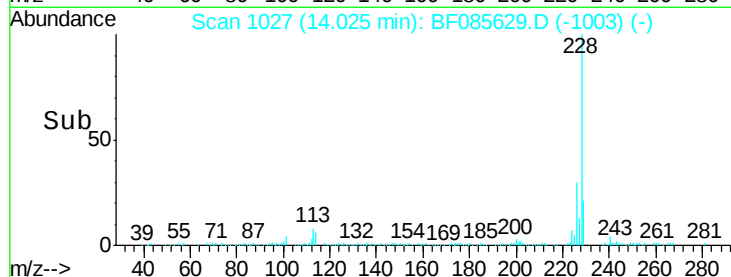
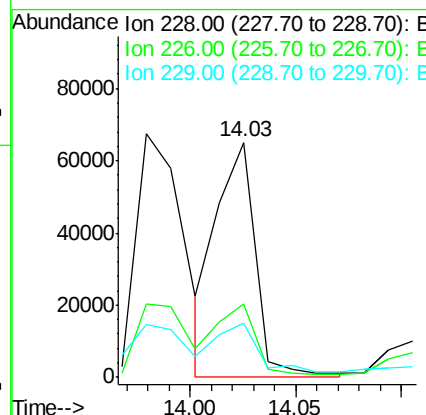
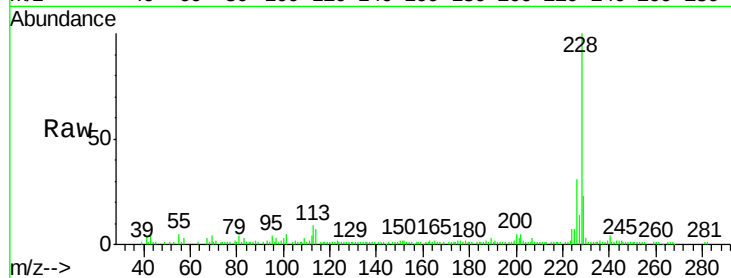
#82
Chrysene
Concen: 5.43 ng m
RT: 14.03 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Instrument :
BNA_F
ClientSampleId :
SP-01

Tgt Ion:	228	Resp:	83846
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	22.9	15.7	23.5

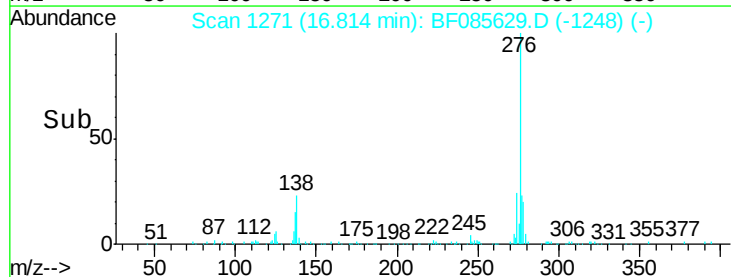
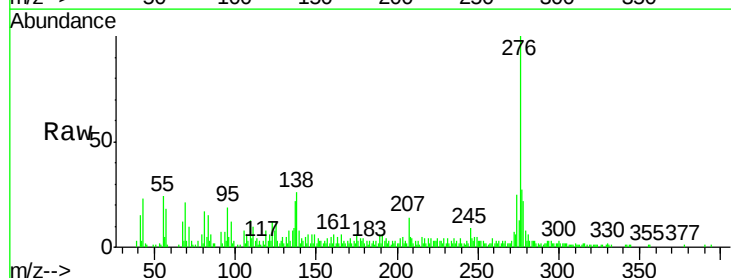
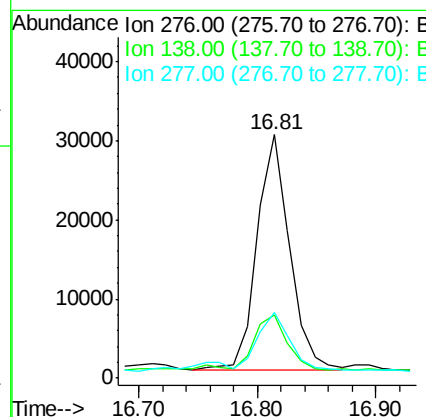
Manual Integrations
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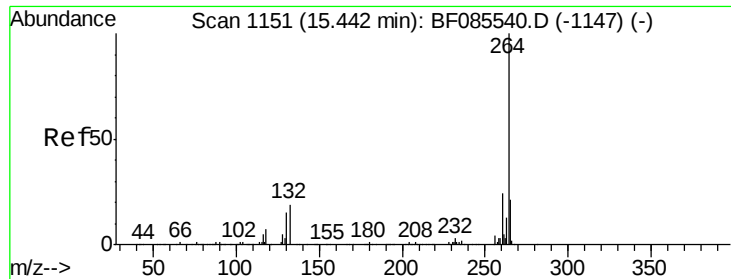
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.43 ng
RT: 16.81 min Scan# 1271
Delta R.T. -0.03 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Tgt Ion:	276	Resp:	57099
Ion Ratio	Lower	Upper	
276	100		
138	27.4	24.2	36.4
277	23.6	20.0	30.0





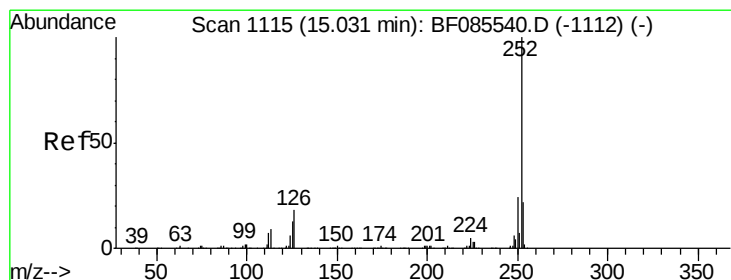
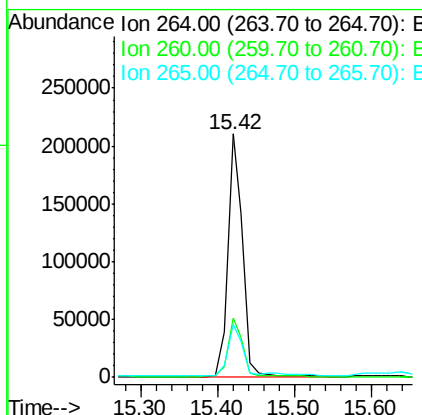
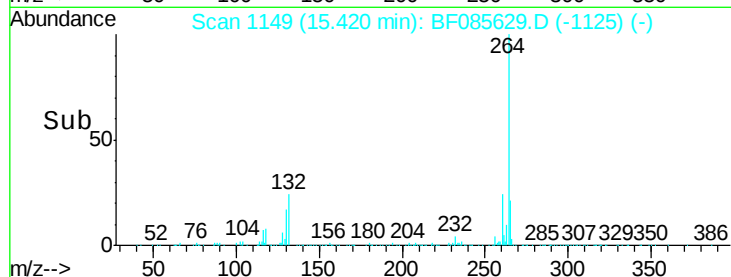
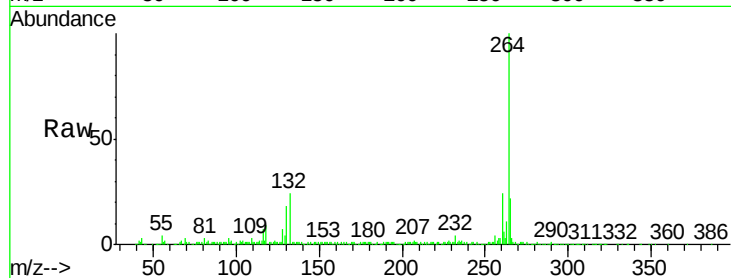
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Instrument :
BNA_F
ClientSampled :
SP-01

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	283891		
260	24.5	19.4	29.2	
265	21.8	17.2	25.8	

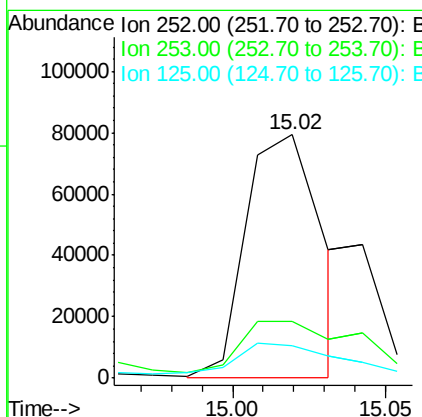
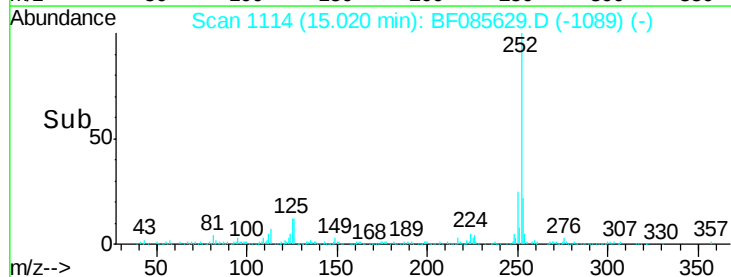
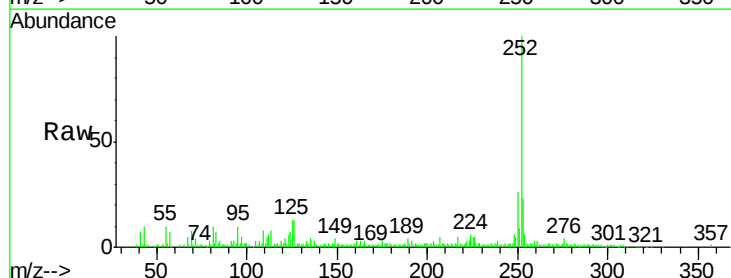
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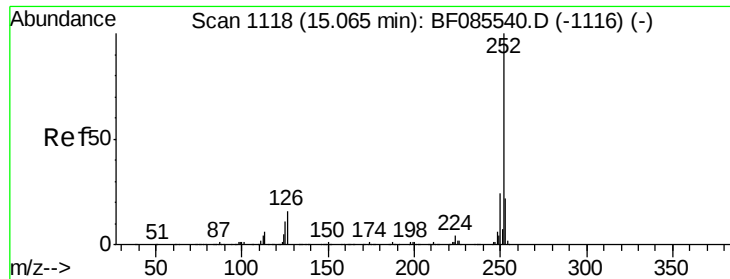
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#87
Benzo(b)fluoranthene
Concen: 7.42 ng m
RT: 15.02 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	137404		
253	23.5	17.6	26.4	
125	13.4	10.3	15.5	





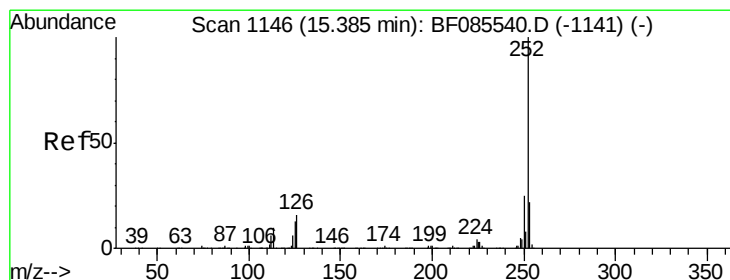
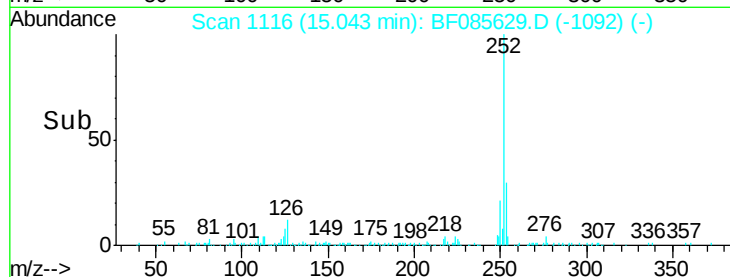
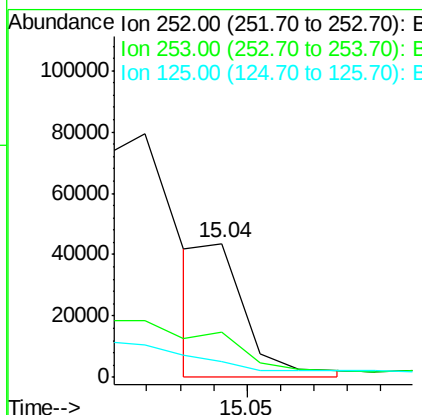
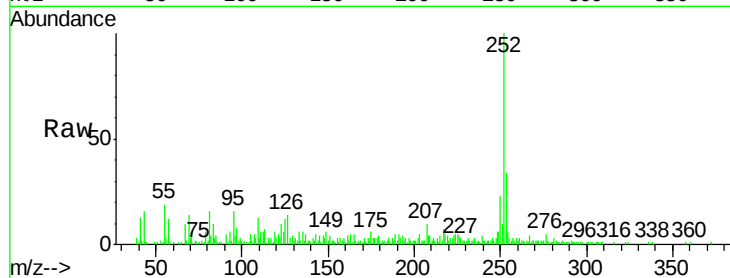
#88
Benzo(k)fluoranthene
Concen: 2.51 ng m
RT: 15.04 min Scan# 1116
Delta R.T. -0.02 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Instrument :
BNA_F
ClientSampleId :
SP-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.9	17.8	26.6#
125	11.7	7.7	11.5#

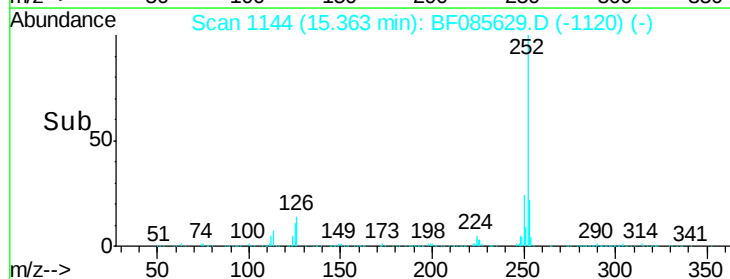
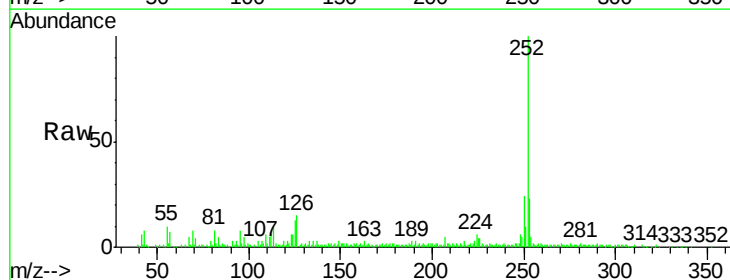
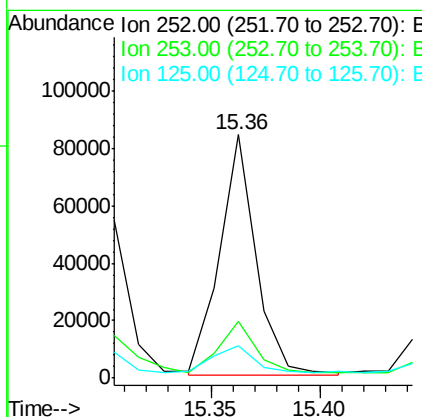
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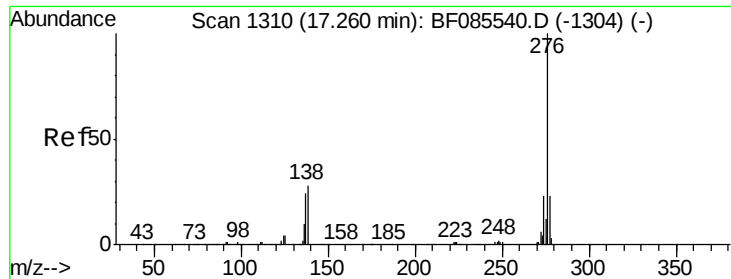
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#89
Benzo(a)pyrene
Concen: 6.18 ng
RT: 15.36 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	13.2	10.3	15.5





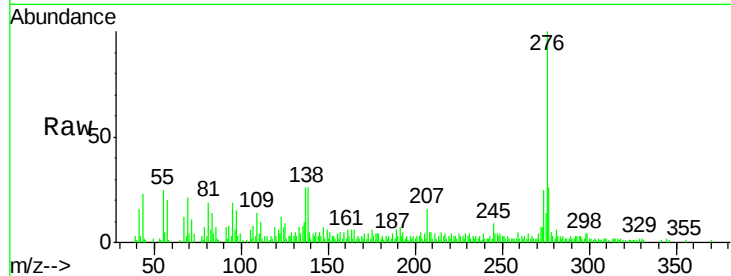
#91
 Benzo(g,h,i)perylene
 Concen: 4.57 ng
 RT: 17.24 min Scan# 1308
 Delta R.T. -0.02 min
 Lab File: BF085629.D
 Acq: 21 Mar 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 SP-01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.8	28.2
138	26.3	22.6	34.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

