

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
 Data File : BF085860.D
 Acq On : 29 Mar 2016 20:33
 Operator : UM/SJ
 Sample : H1970-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
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 3/30/2016 7:05:23 PM

Quant Time: Mar 30 01:26:01 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	111148	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	448705	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	204003	20.00	ng	-0.02
63) Phenanthrene-d10	11.33	188	380400	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	228634	20.00	ng	-0.01
86) Perylene-d12	15.39	264	207947	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	751915	112.67	ng	0.00
7) Phenol-d6	6.45	99	950110	111.97	ng	-0.01
23) Nitrobenzene-d5	7.37	82	599634	75.26	ng	-0.02
41) 2,4,6-Tribromophenol	10.63	330	188479	97.24	ng	-0.02
44) 2-Fluorobiphenyl	9.17	172	746586	61.14	ng	-0.02
78) Terphenyl-d14	12.92	244	525981	47.31	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.57	163	209227	13.52	ng	99
74) Fluoranthene	12.54	202	102564	4.94	ng	91
77) Pyrene	12.77	202	90592	4.82	ng	98
80) Benzo(a)anthracene	13.96	228	43447	3.33	ng	96
83) Bis(2-ethylhexyl)phthalate	13.95	149	93411	9.91	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.77	276	21306	2.10	ng	94
87) Benzo(b)fluoranthene	14.99	252	41432m	3.16	ng	
89) Benzo(a)pyrene	15.33	252	29190	2.51	ng	# 94
91) Benzo(g,h,i)perylene	17.18	276	22642	2.07	ng	97

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

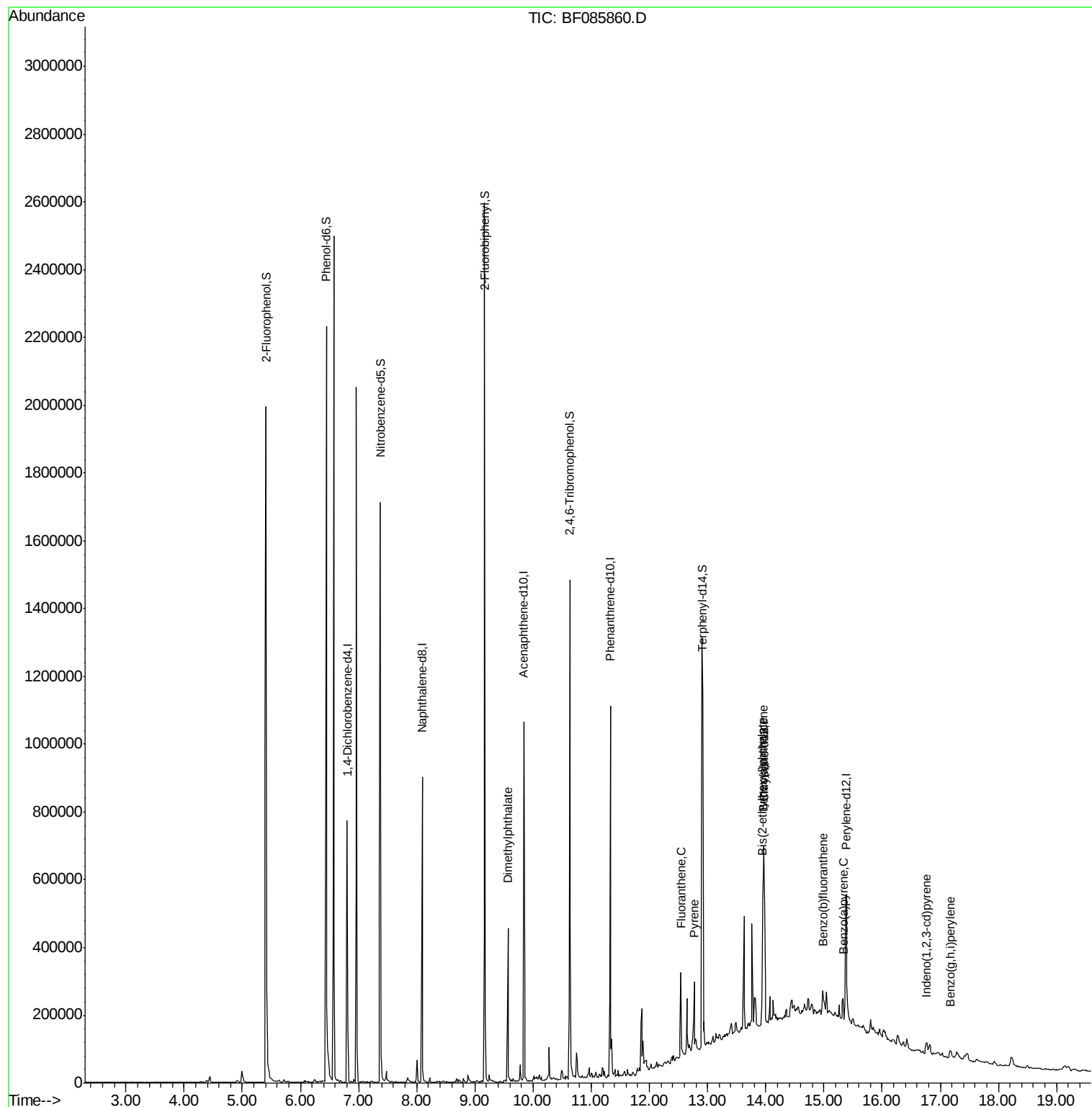
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
Data File : BF085860.D
Acq On : 29 Mar 2016 20:33
Operator : UM/SJ
Sample : H1970-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
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TP-1

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#1

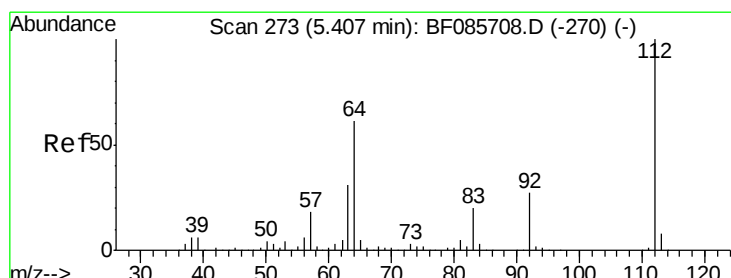
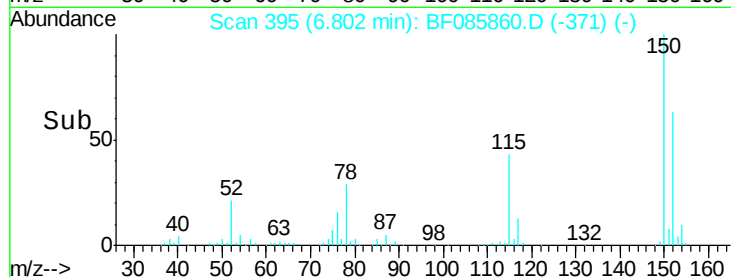
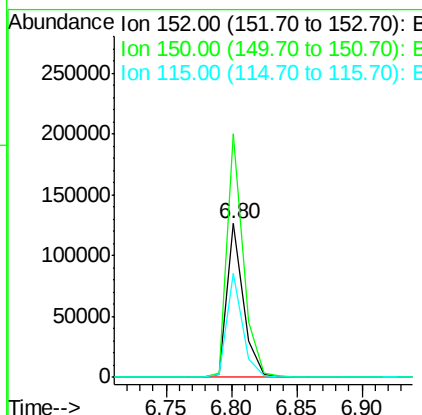
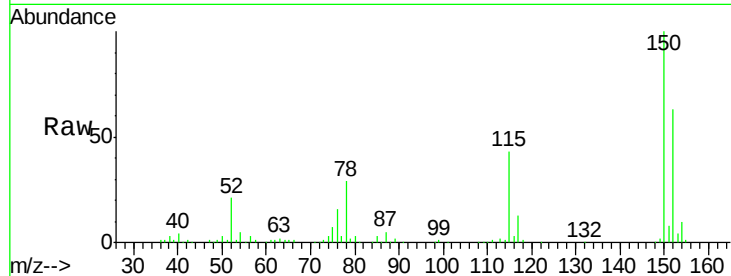
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 395
Delta R.T. -0.02 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Instrument :
BNA_F
ClientSampled :
TP-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.2	186.2
115	67.6	47.0	70.6

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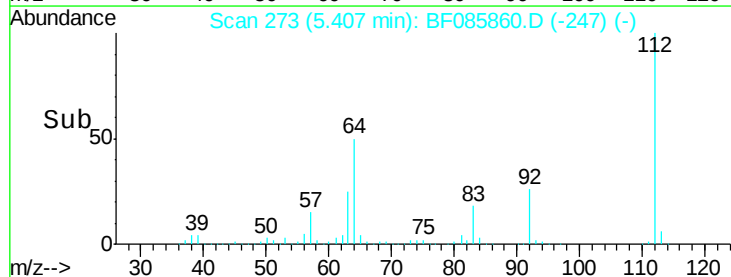
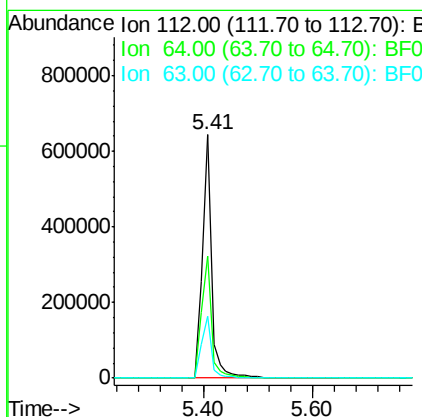
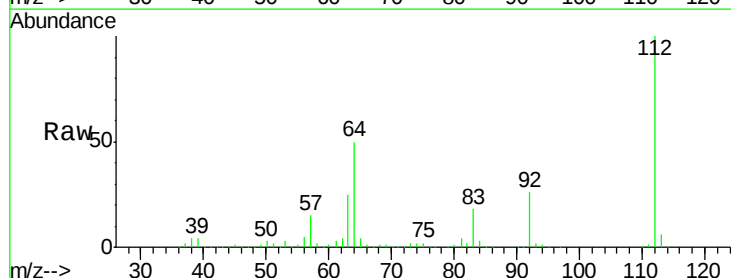
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#5

2-Fluorophenol
Concen: 112.67 ng
RT: 5.41 min Scan# 273
Delta R.T. 0.00 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.9	39.9	59.9
63	25.3	20.2	30.2





#7

Phenol-d6

Concen: 111.97 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085860.D

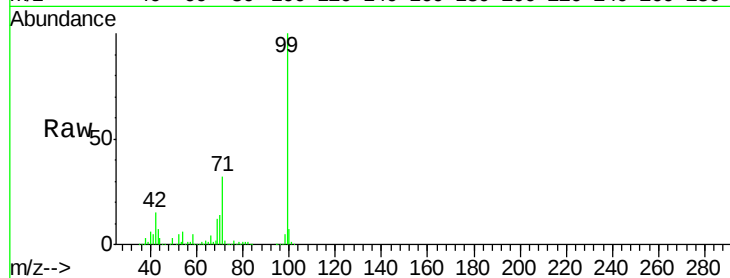
Acq: 29 Mar 2016 20:33

Instrument :

BNA_F

ClientSampleId :

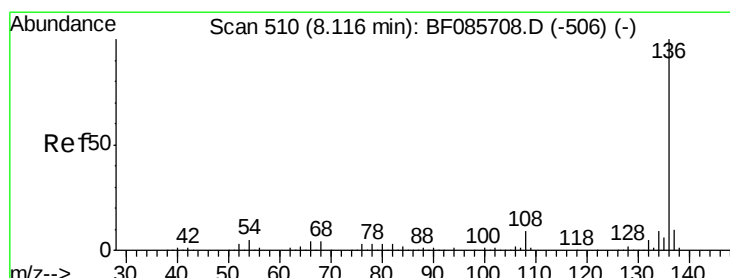
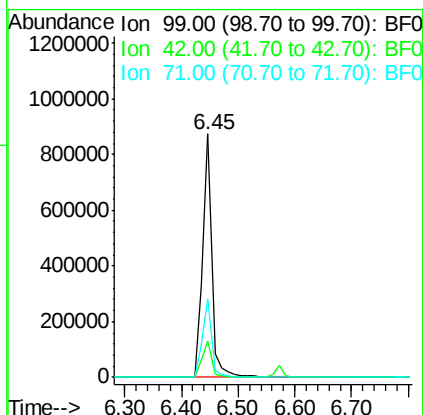
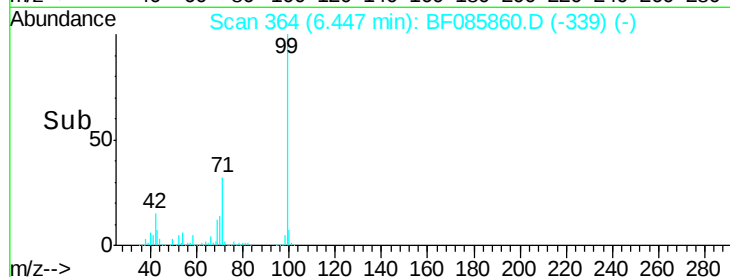
TP-1



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		950110		
42	14.8	11.1	16.7		
71	32.0	24.9	37.3		

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#21

Naphthalene-d8

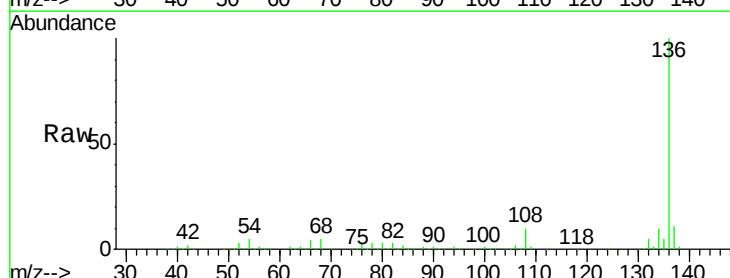
Concen: 20.00 ng

RT: 8.09 min Scan# 508

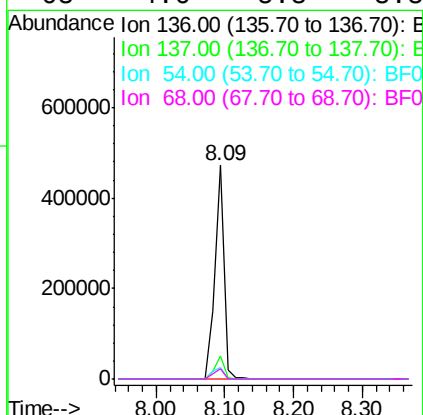
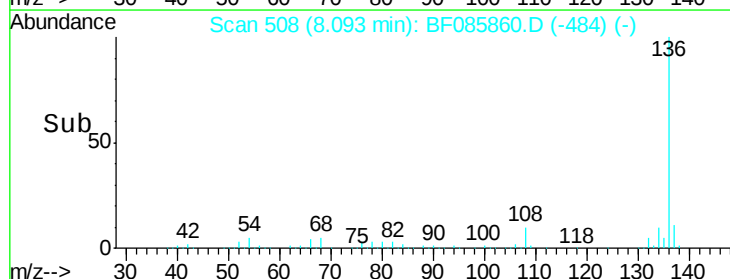
Delta R.T. -0.02 min

Lab File: BF085860.D

Acq: 29 Mar 2016 20:33



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		448705		
137	10.8	9.1	13.7		
54	5.4	7.4	11.0#		
68	4.6	5.8	8.8#		





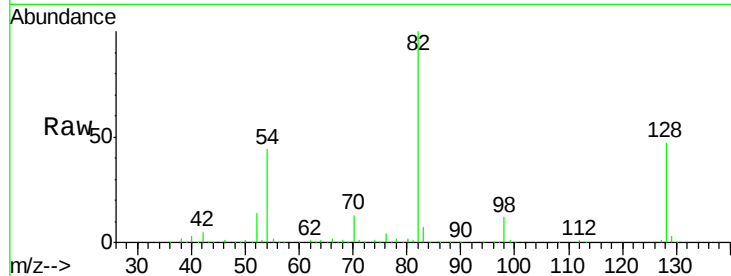
#23
Nitrobenzene-d5
Concen: 75.26 ng
RT: 7.37 min Scan# 445
Delta R.T. -0.02 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Instrument :
BNA_F
ClientSampled :
TP-1

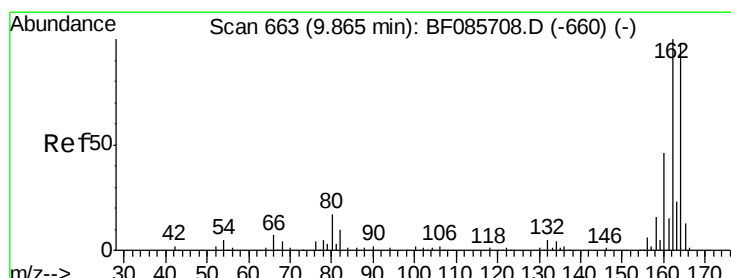
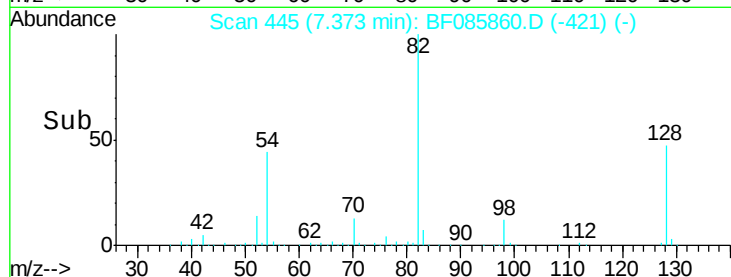
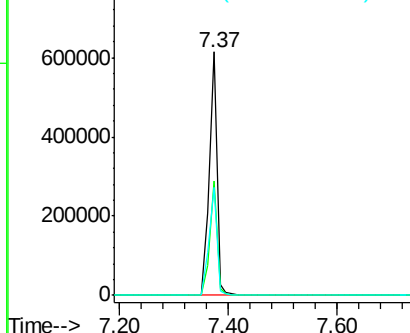
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	599634		
128	46.8	41.8	62.8	
54	44.2	33.4	50.0	

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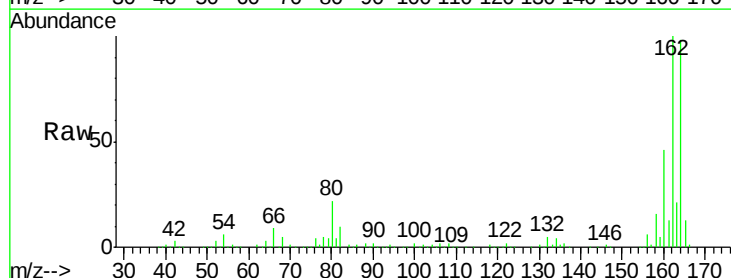


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

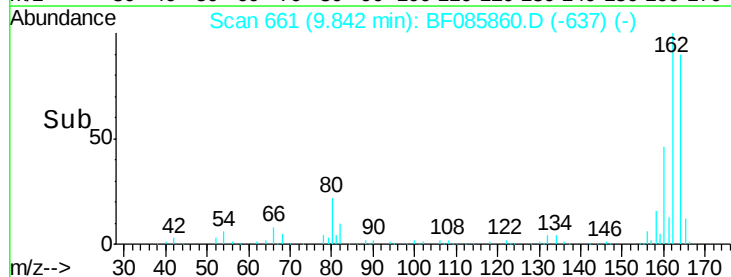
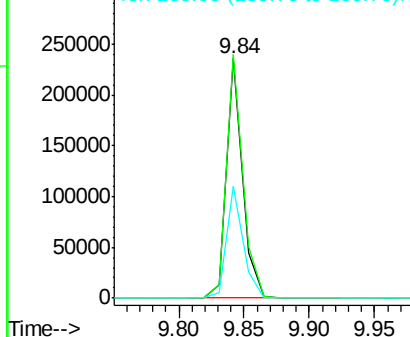


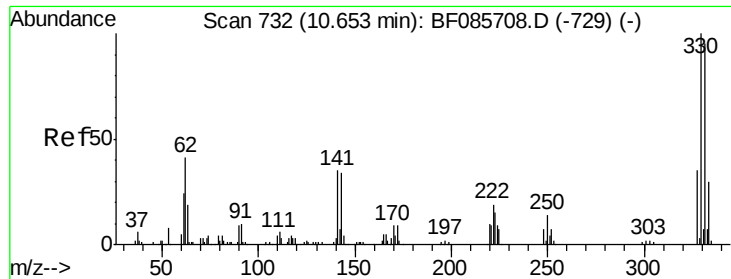
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	204003		
162	101.6	82.1	123.1	
160	46.4	37.4	56.2	



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





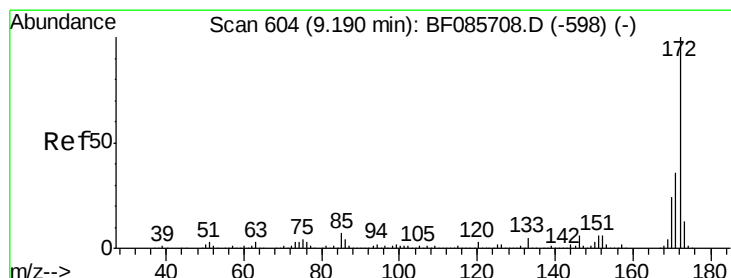
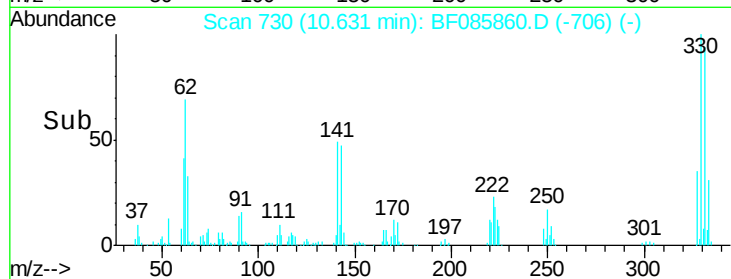
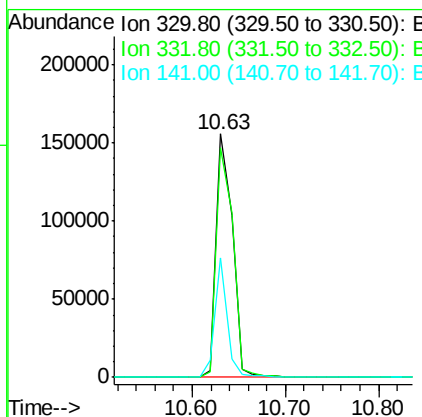
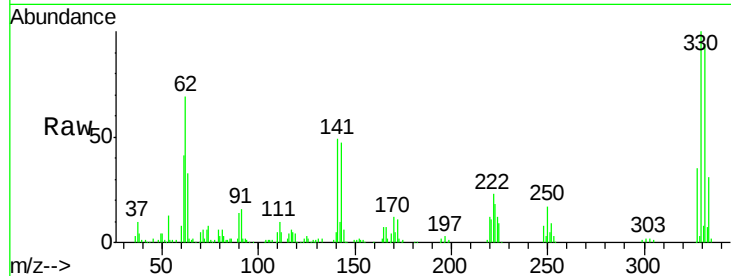
#41
 2,4,6-Tribromophenol
 Concen: 97.24 ng
 RT: 10.63 min Scan# 730
 Delta R.T. -0.02 min
 Lab File: BF085860.D
 Acq: 29 Mar 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	188479		
332	97.0	78.2	117.2	
141	37.9	31.5	47.3	

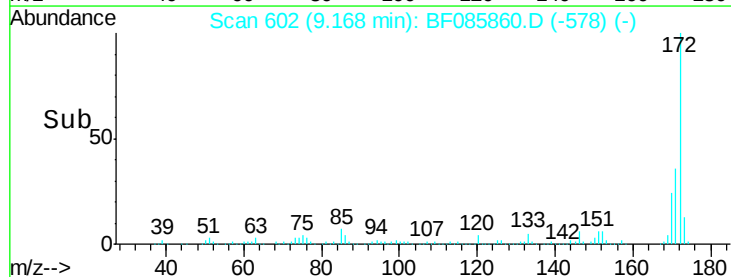
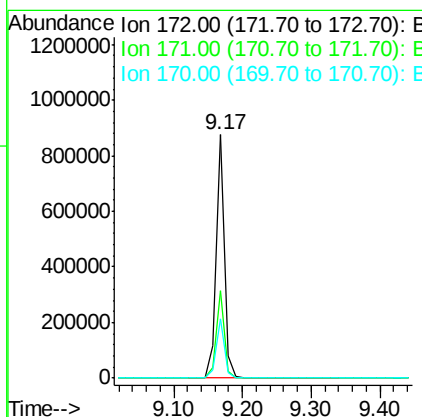
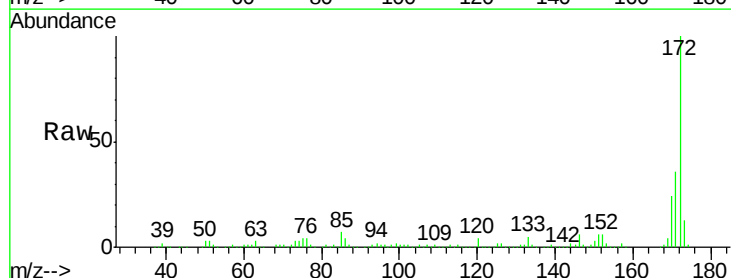
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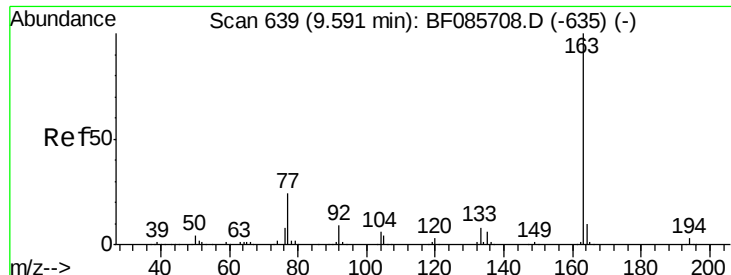
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#44
 2-Fluorobiphenyl
 Concen: 61.14 ng
 RT: 9.17 min Scan# 602
 Delta R.T. -0.02 min
 Lab File: BF085860.D
 Acq: 29 Mar 2016 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	746586		
171	35.9	29.4	44.2	
170	24.3	19.8	29.6	





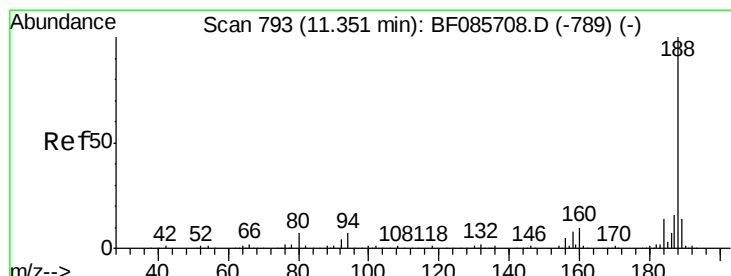
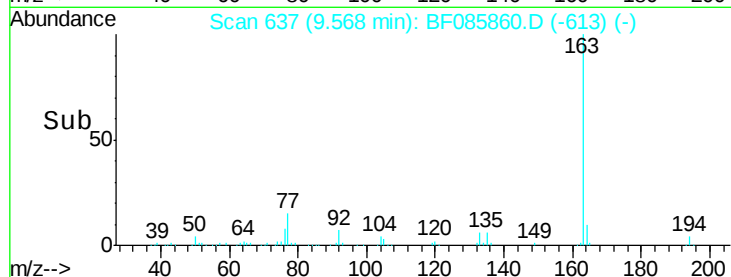
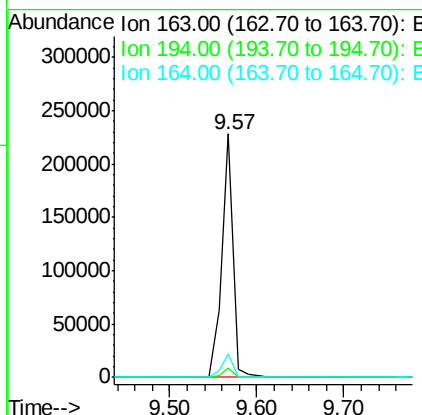
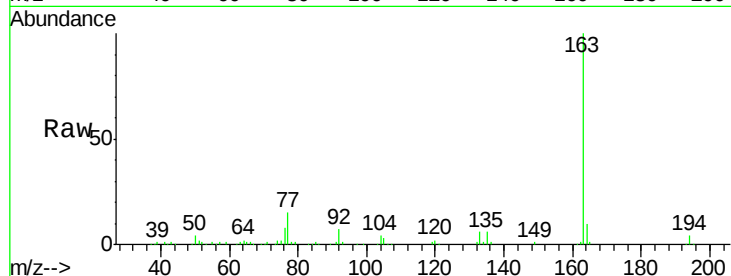
#49
Dimethylphthalate
Concen: 13.52 ng
RT: 9.57 min Scan# 637
Delta R.T. -0.02 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.6	2.9	4.3
164	9.8	8.3	12.5

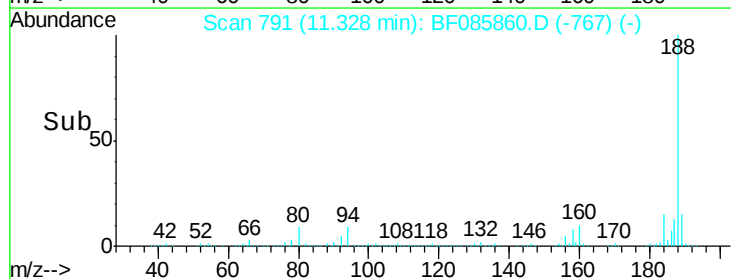
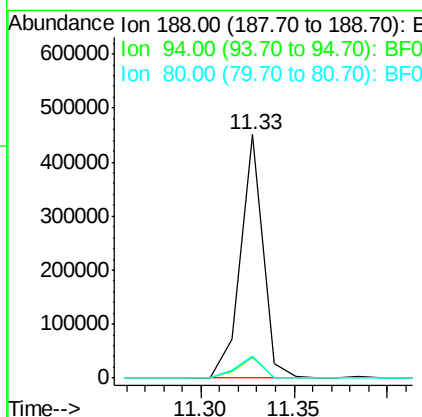
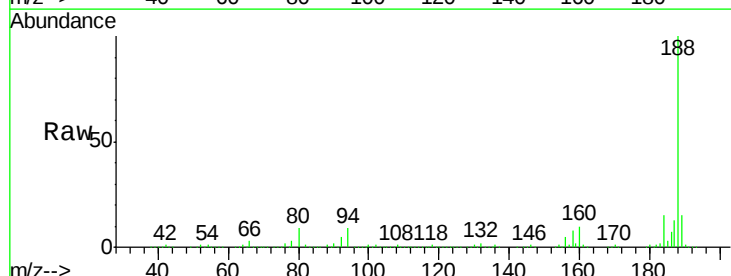
Manual Integrations
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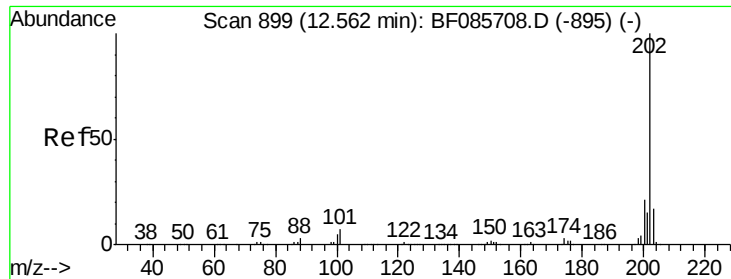
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 791
Delta R.T. -0.02 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.7	5.4	8.0#
80	9.1	5.5	8.3#





#74

Fluoranthene

Concen: 4.94 ng

RT: 12.54 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF085860.D

Acq: 29 Mar 2016 20:33

Instrument :

BNA_F

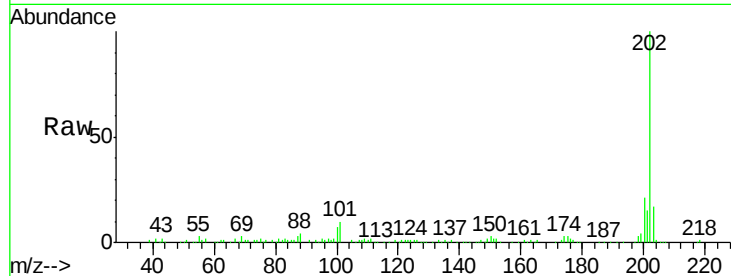
ClientSampleId :

TP-1

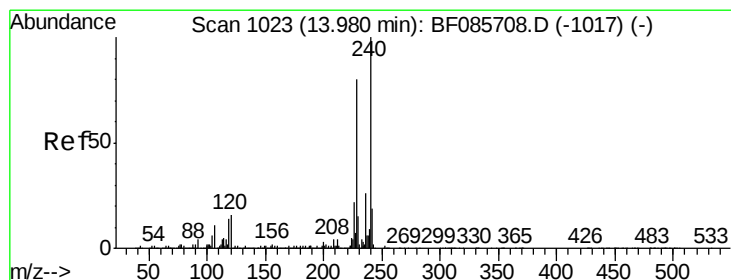
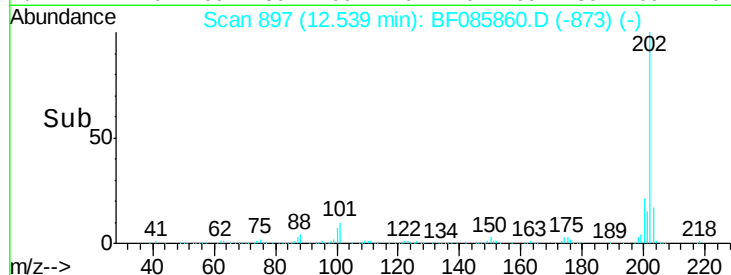
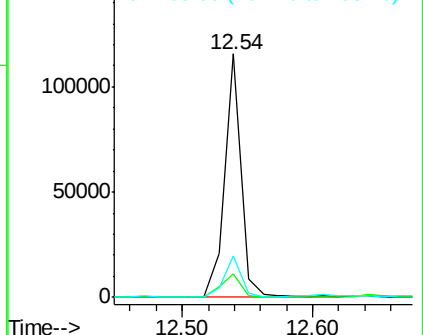
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		102564		
101	9.5	0.0	36.6		
203	17.1	0.0	38.1		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

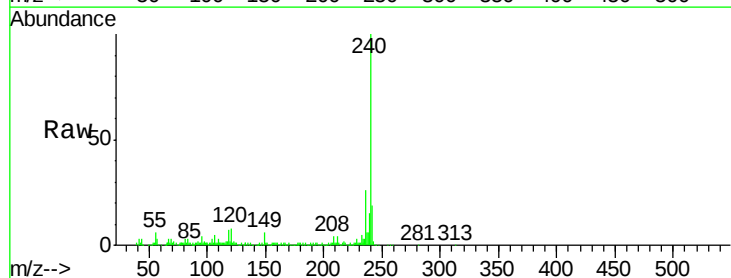
RT: 13.97 min Scan# 1022

Delta R.T. -0.01 min

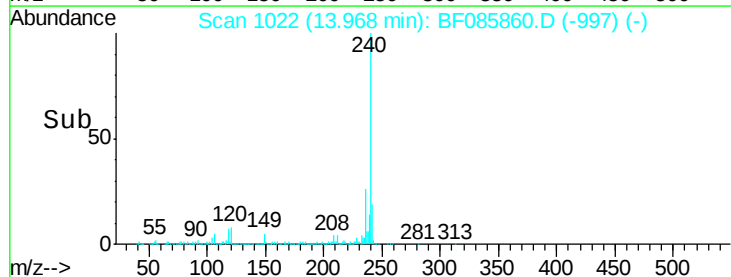
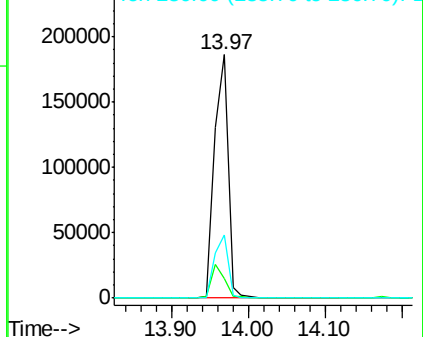
Lab File: BF085860.D

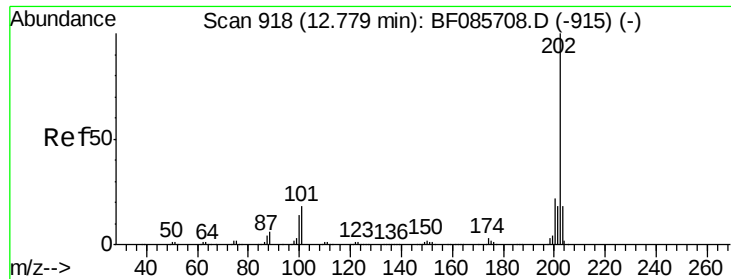
Acq: 29 Mar 2016 20:33

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		228634		
120	8.3	13.8	20.8#		
236	26.2	20.6	30.8		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.82 ng

RT: 12.77 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF085860.D

Acq: 29 Mar 2016 20:33

Instrument :

BNA_F

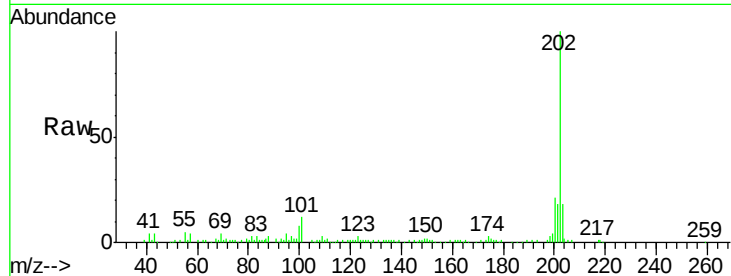
ClientSampleId :

TP-1

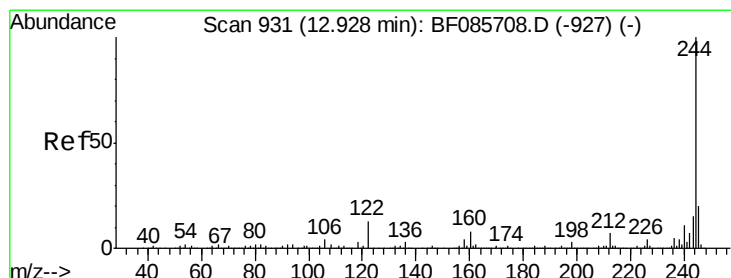
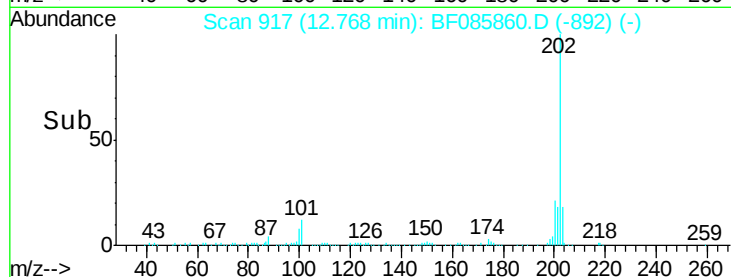
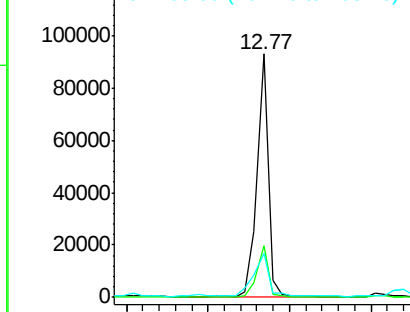
Tgt Ion:	202	Resp:	90592
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.6	26.4
203	18.0	14.0	21.0

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 47.31 ng

RT: 12.92 min Scan# 930

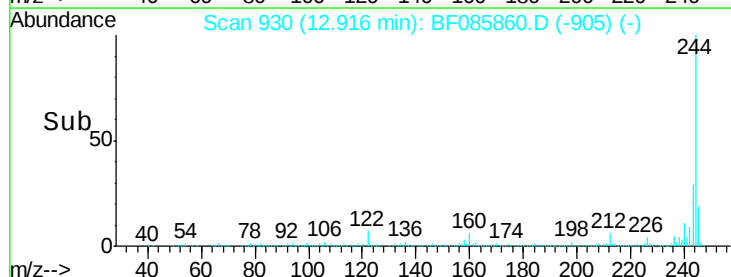
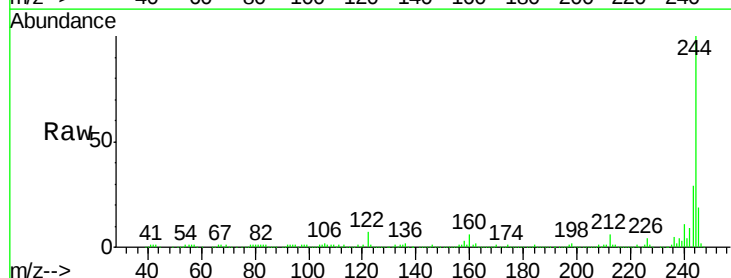
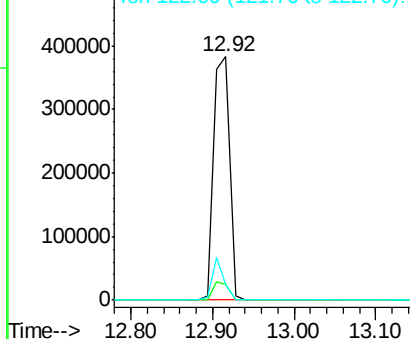
Delta R.T. -0.01 min

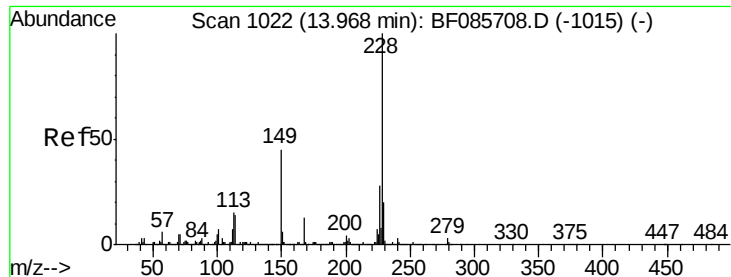
Lab File: BF085860.D

Acq: 29 Mar 2016 20:33

Tgt Ion:	244	Resp:	525981
Ion Ratio	Lower	Upper	
244	100		
212	6.4	6.1	9.1
122	6.7	10.2	15.4#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





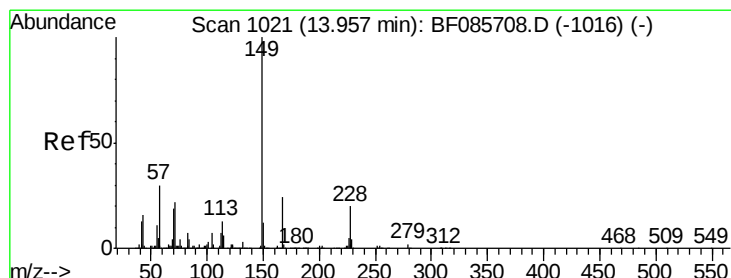
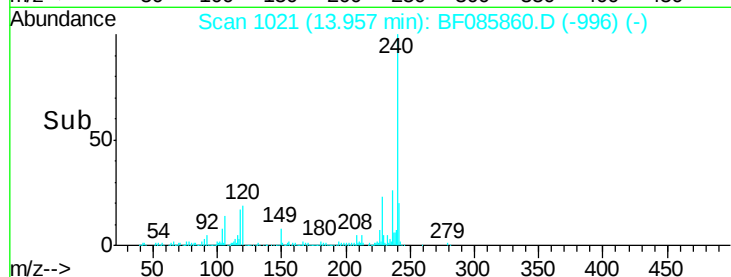
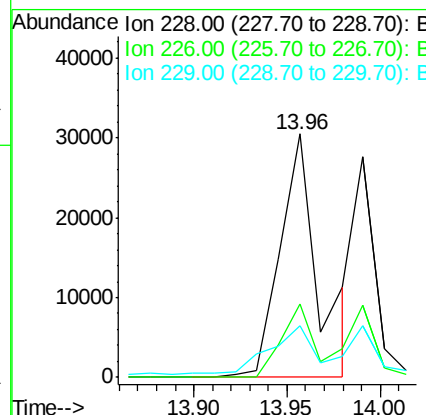
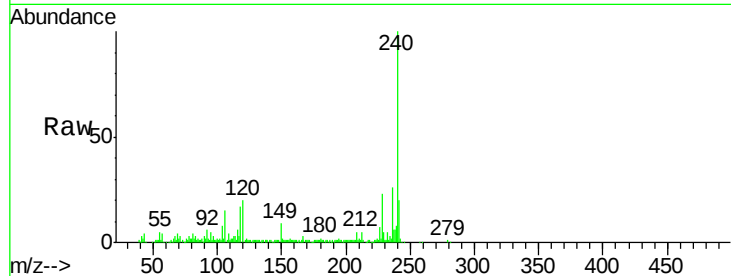
#80
Benzo(a)anthracene
Concen: 3.33 ng
RT: 13.96 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.1	33.1
229	21.2	16.2	24.4

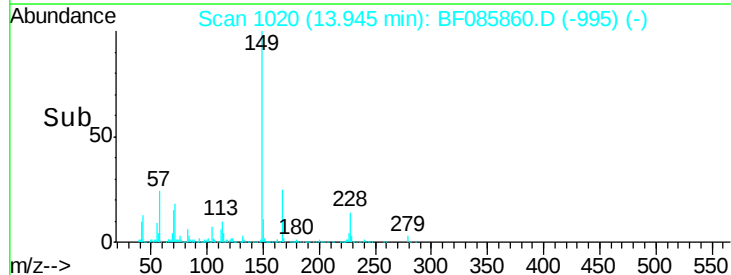
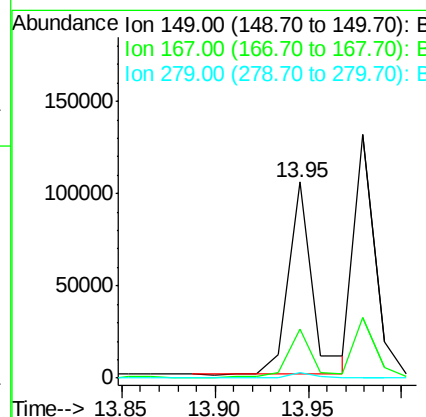
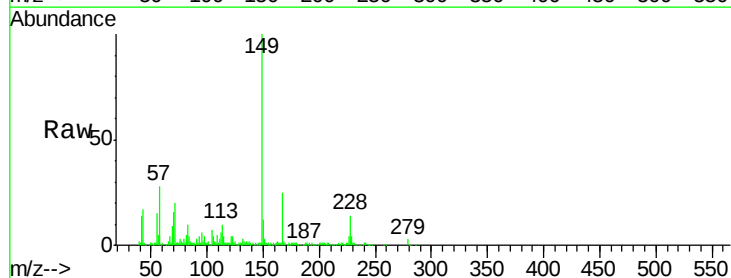
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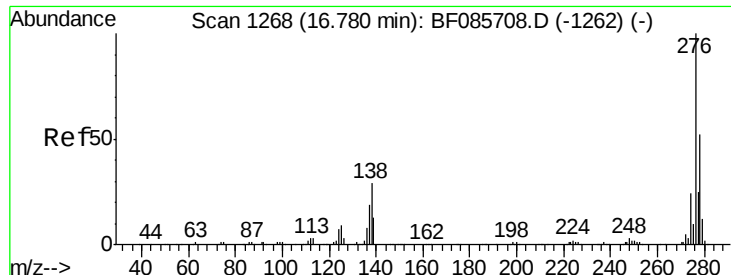
Sohil
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#83
Bis(2-ethylhexyl)phthalate
Concen: 9.91 ng
RT: 13.95 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.3	19.4	29.2
279	2.6	1.5	2.3#





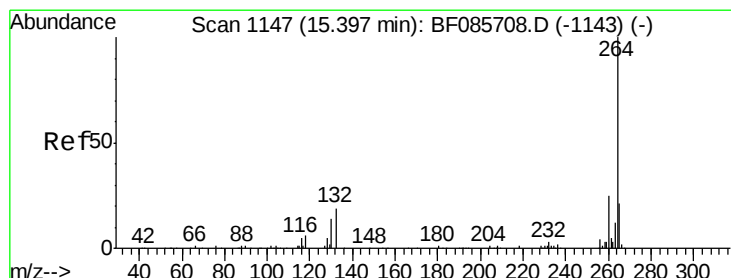
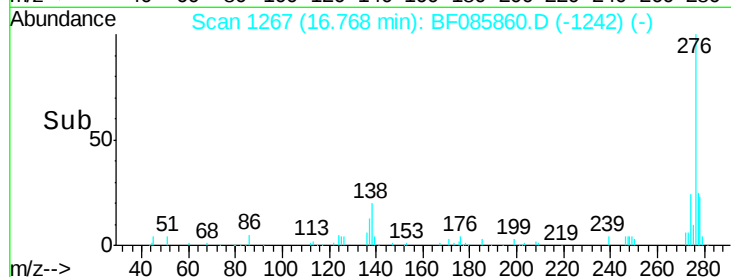
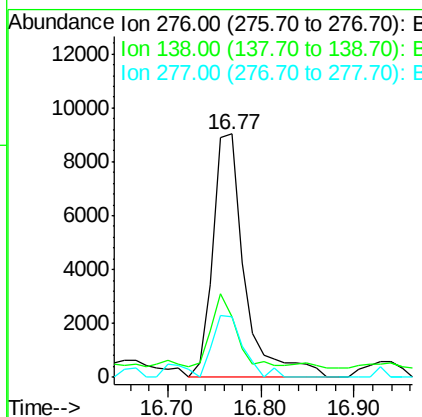
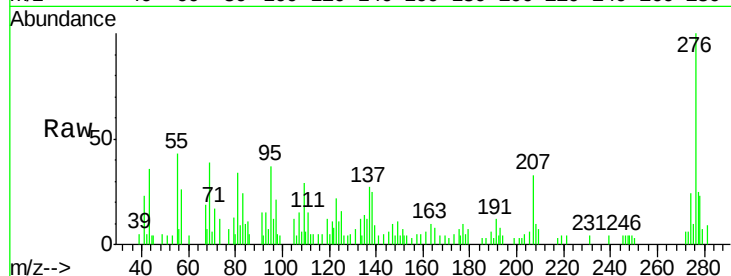
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.10 ng
 RT: 16.77 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF085860.D
 Acq: 29 Mar 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.3	24.2	36.4
277	24.7	20.0	30.0

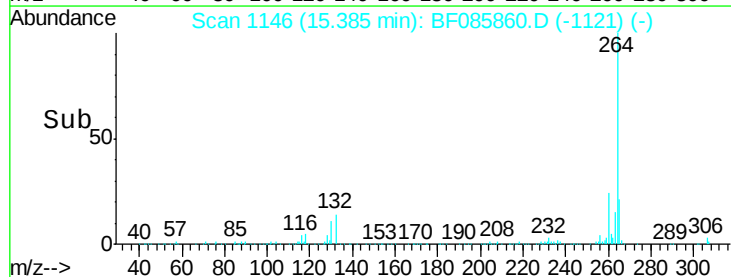
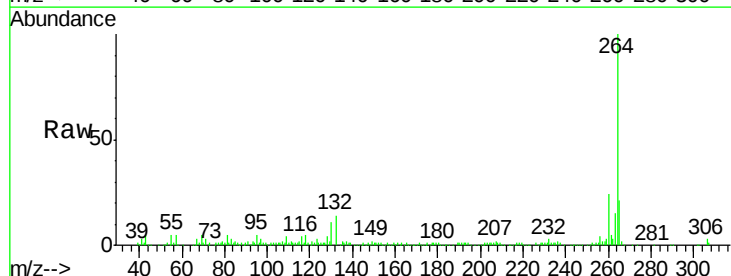
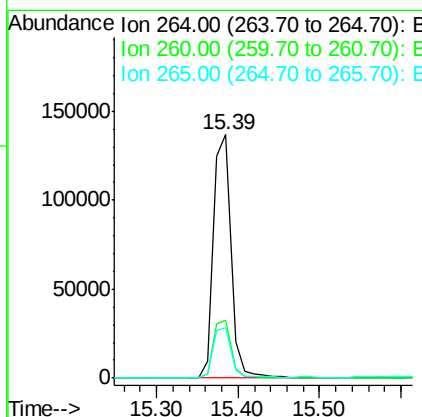
Manual Integrations
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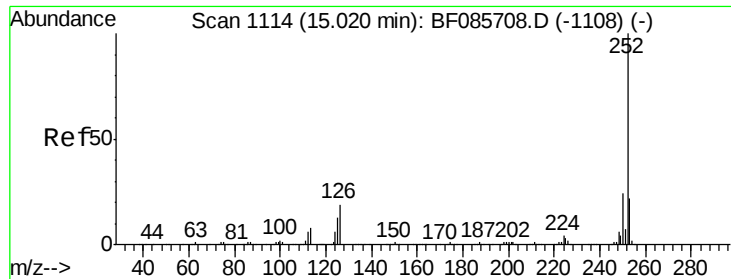
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF085860.D
 Acq: 29 Mar 2016 20:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	20.7	17.2	25.8





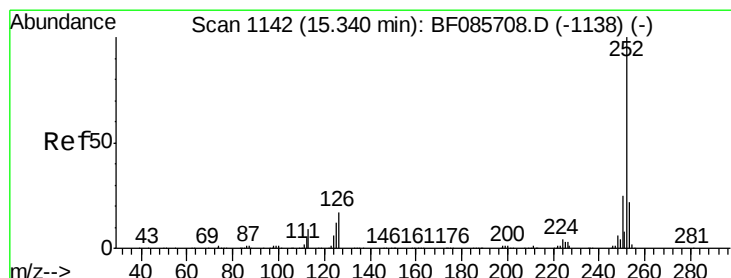
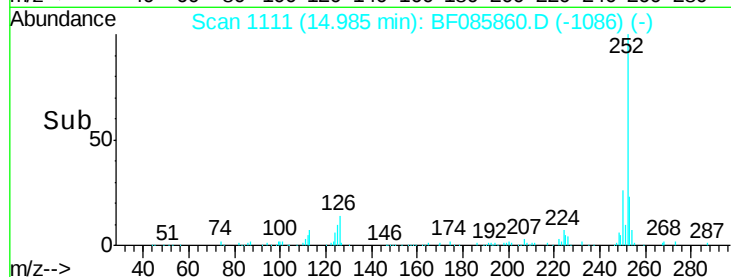
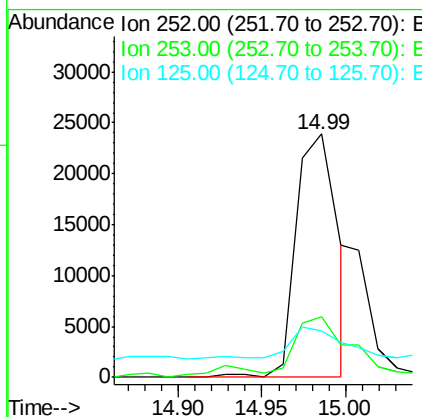
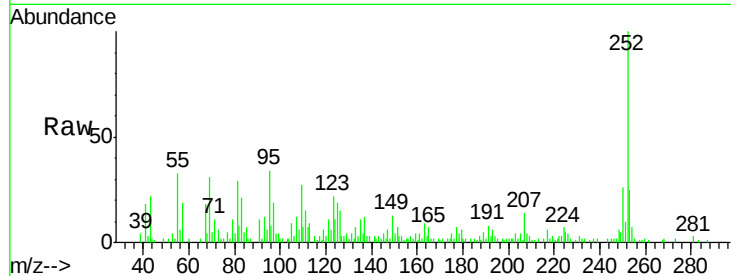
#87
Benzo(b)fluoranthene
Concen: 3.16 ng m
RT: 14.99 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Instrument :
BNA_F
ClientSampled :
TP-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.6	26.4
125	18.9	10.3	15.5#

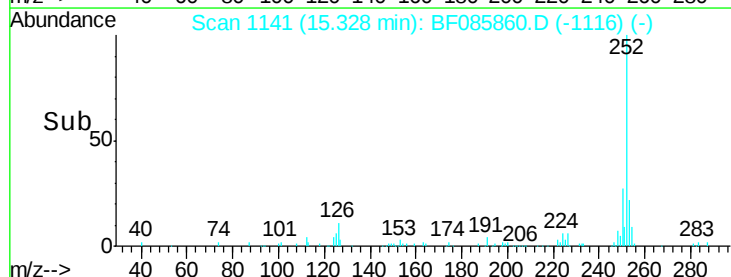
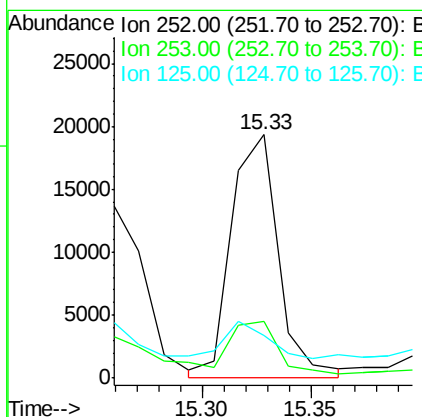
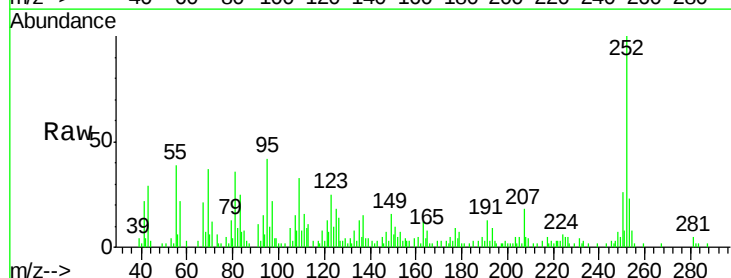
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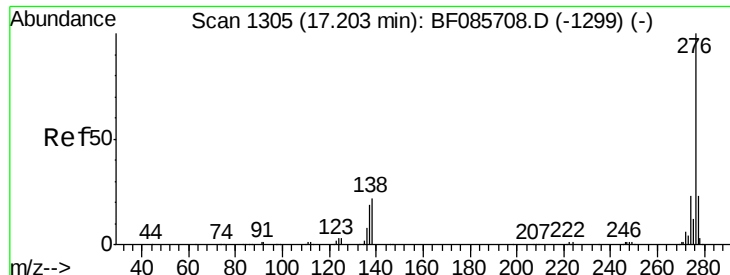
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#89
Benzo(a)pyrene
Concen: 2.51 ng
RT: 15.33 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	17.5	10.3	15.5#





#91

Benzo(g,h,i)perylene

Concen: 2.07 ng

RT: 17.18 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF085860.D

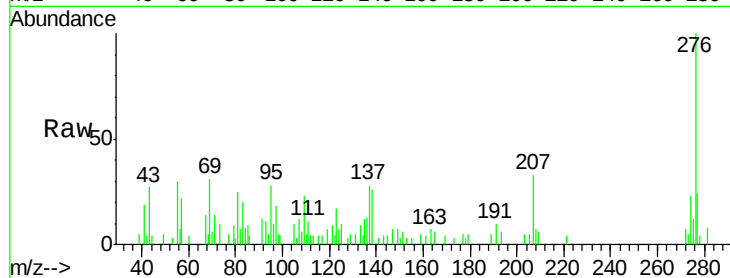
Acq: 29 Mar 2016 20:33

Instrument :

BNA_F

ClientSampleId :

TP-1



Tgt Ion:	276	Resp:	22642
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.8	28.2
138	26.2	22.6	34.0

Manual Integrations
APPROVED

Sohil
3/30/2016 7:05:23 PM

