

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085643.D
 Acq On : 22 Mar 2016 3:26
 Operator : UM/SJ
 Sample : H1840-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-13-17.5-18.0

Manual Integrations
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Sohil
 3/22/2016 5:34:37 PM

Quant Time: Mar 22 16:26:22 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	6.85	152	98860	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	228941	20.00	ng	0.01
38) Acenaphthene-d10	9.93	164	71030	20.00	ng	0.03
63) Phenanthrene-d10	11.41	188	136063	20.00	ng	0.02
75) Chrysene-d12	14.00	240	216926	20.00	ng	-0.01
86) Perylene-d12	15.42	264	220666	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	727608	123.62	ng	-0.01
7) Phenol-d6	6.48	99	936630	124.08	ng	-0.01
23) Nitrobenzene-d5	7.42	82	484198	122.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	95532	137.30	ng	0.03
44) 2-Fluorobiphenyl	9.25	172	485607	137.29	ng	0.02
78) Terphenyl-d14	12.96	244	624988	69.33	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.89	142	1334384m	189.44	ng	
51) Acenaphthene	9.97	154	154063	33.89	ng	# 65
57) Fluorene	10.48	166	379706	82.31	ng	# 78
70) Phenanthrene	11.44	178	1123242	156.56	ng	# 96
74) Fluoranthene	12.60	202	190207	25.32	ng	93
77) Pyrene	12.82	202	302769m	19.44	ng	
80) Benzo(a)anthracene	13.99	228	97431	7.74	ng	96
82) Chrysene	14.03	228	63367m	5.23	ng	
85) Indeno(1,2,3-cd)pyrene	16.81	276	39530	3.90	ng	95
87) Benzo(b)fluoranthene	15.02	252	91741m	6.37	ng	
88) Benzo(k)fluoranthene	15.04	252	32702m	2.76	ng	
89) Benzo(a)pyrene	15.36	252	63884	5.23	ng	# 89
91) Benzo(g,h,i)perylene	17.23	276	35257	3.58	ng	94

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

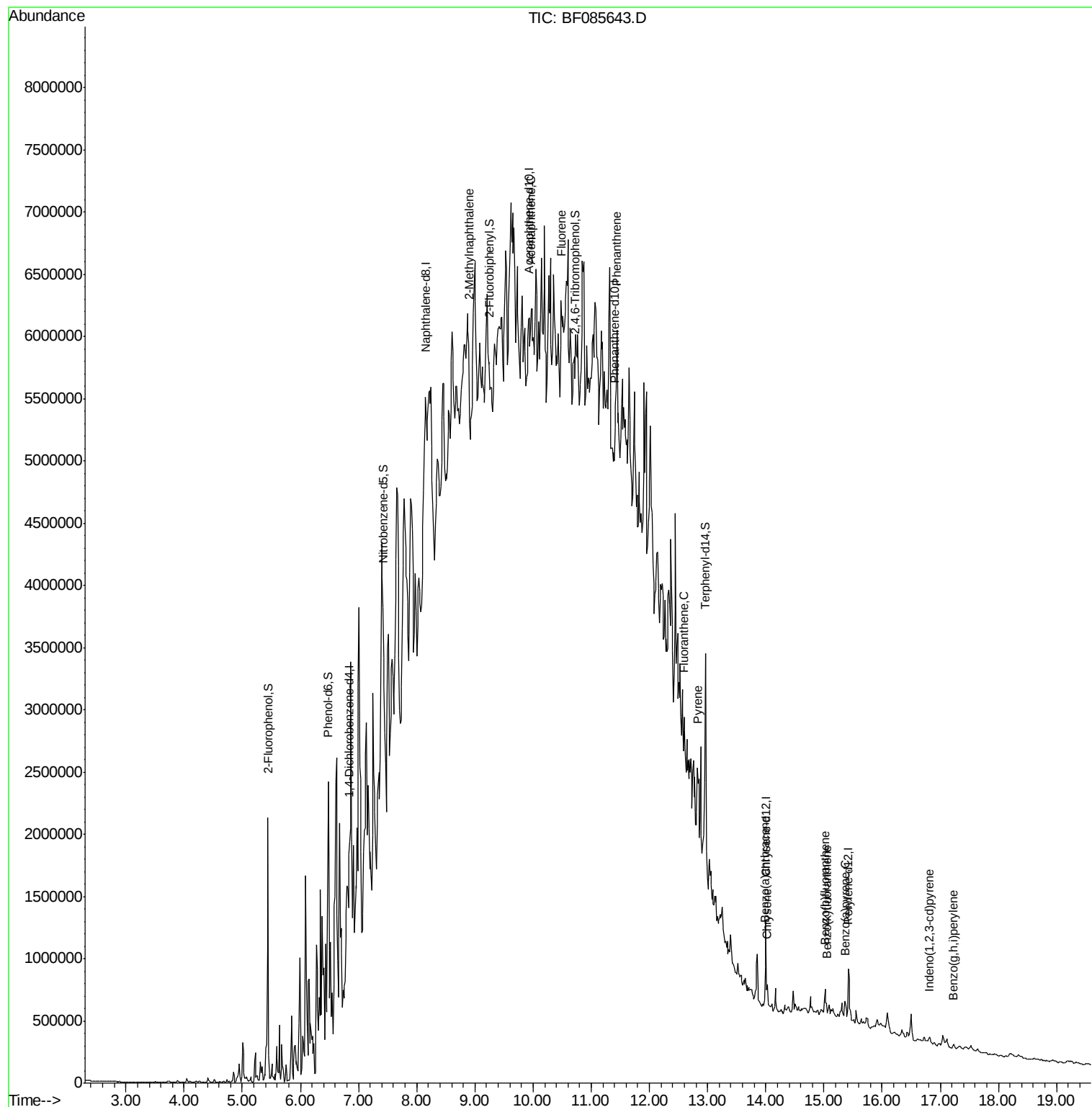
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
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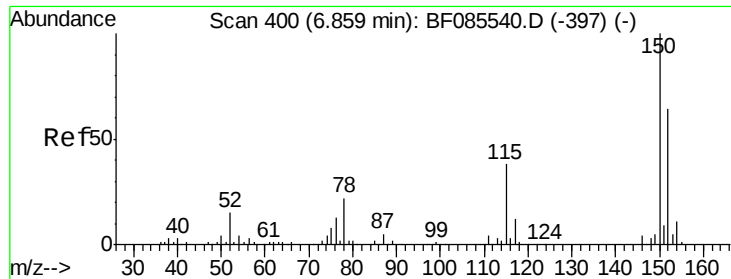
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
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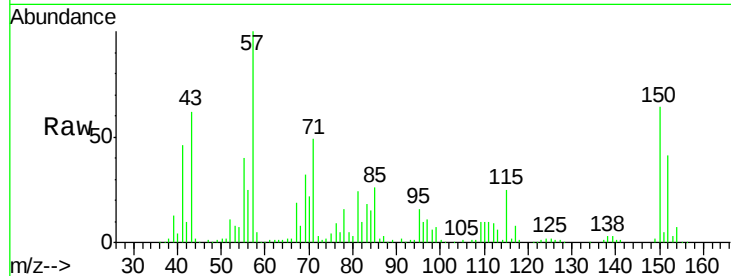




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 399
Delta R.T. -0.01 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

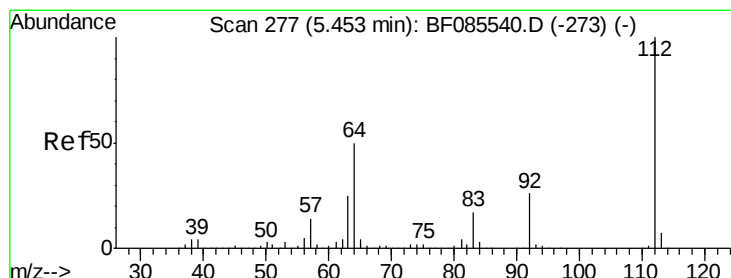
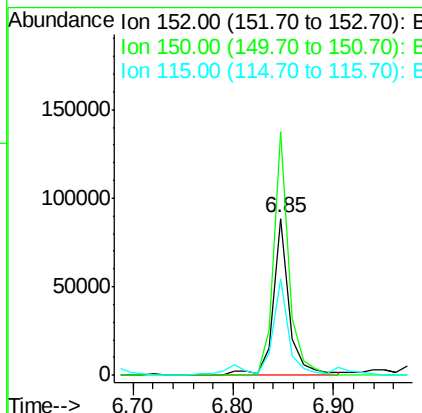
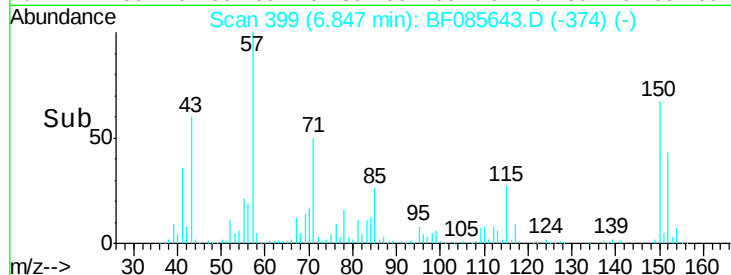
Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-17.5-18.0



Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.2	186.2
115	61.7	47.0	70.6

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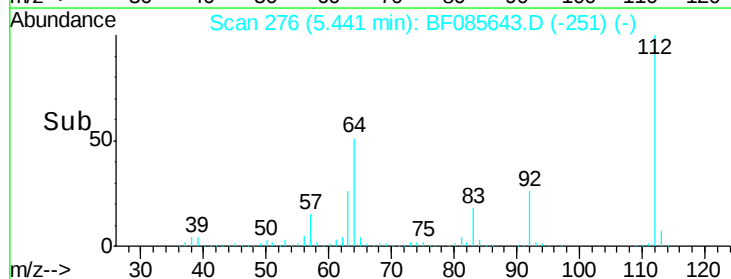
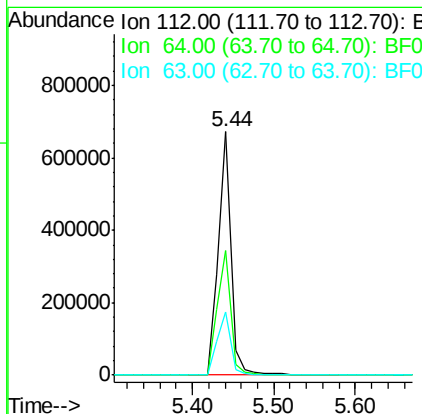
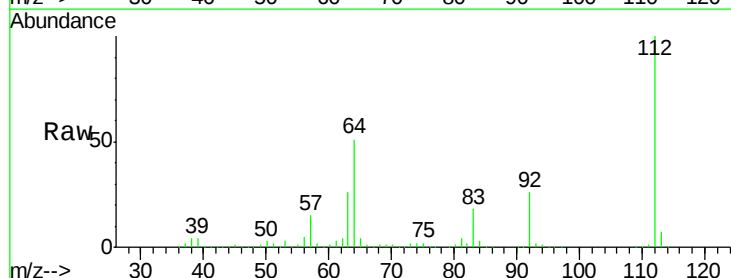
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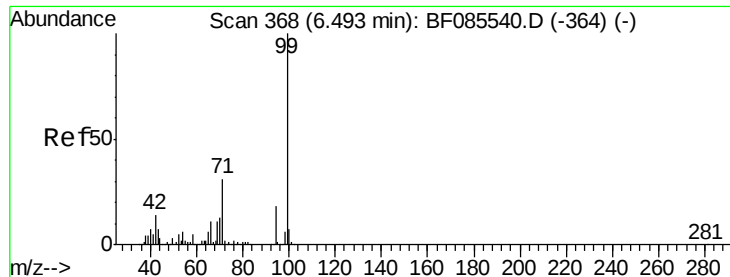


#5

2-Fluorophenol
Concen: 123.62 ng
RT: 5.44 min Scan# 276
Delta R.T. -0.01 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.0	39.9	59.9
63	25.9	20.2	30.2





#7

Phenol-d6

Concen: 124.08 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085643.D

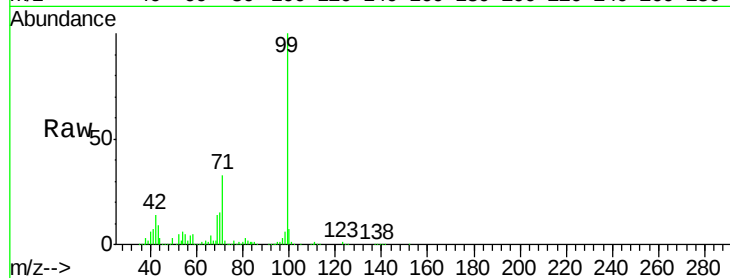
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Instrument :

BNA_F

ClientSampleId :

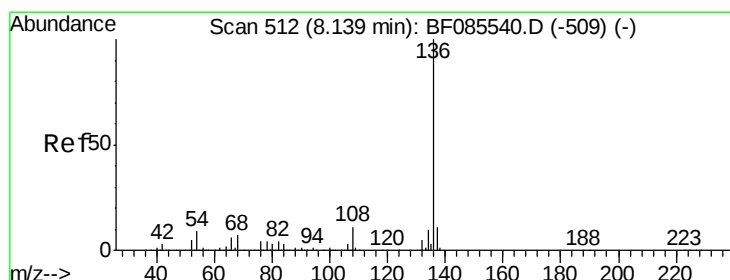
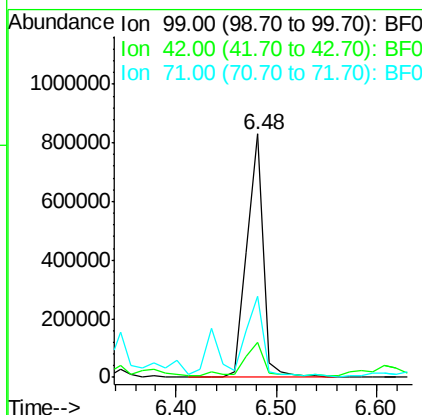
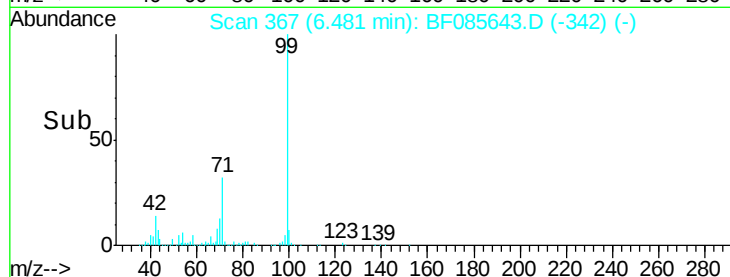
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Tgt Ion	Ratio	Resp	Lower	Upper
99	100	936630		
42	14.3	11.1	16.7	
71	33.0	24.9	37.3	

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#21

Naphthalene-d8

Concen: 20.00 ng

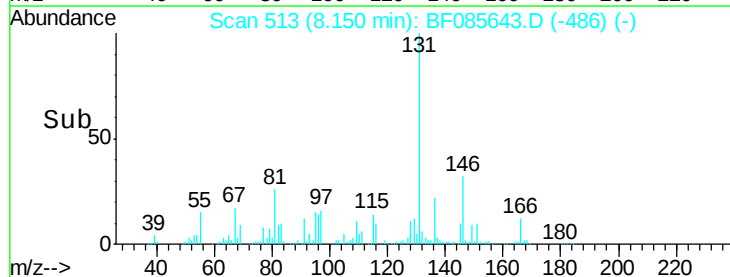
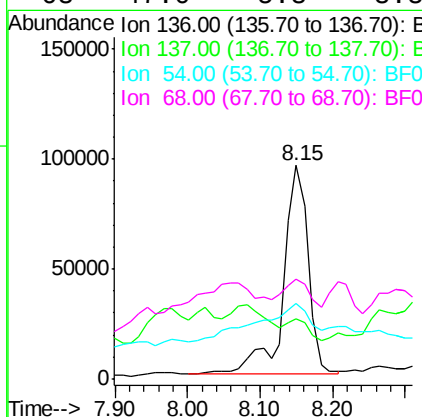
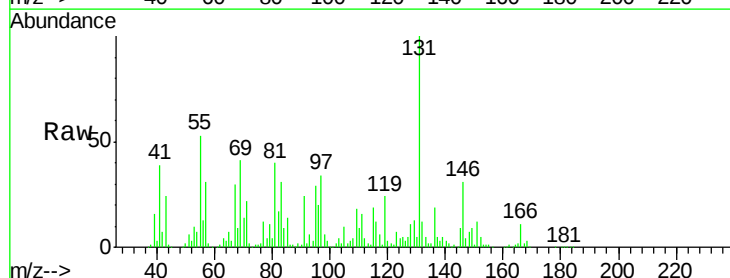
RT: 8.15 min Scan# 513

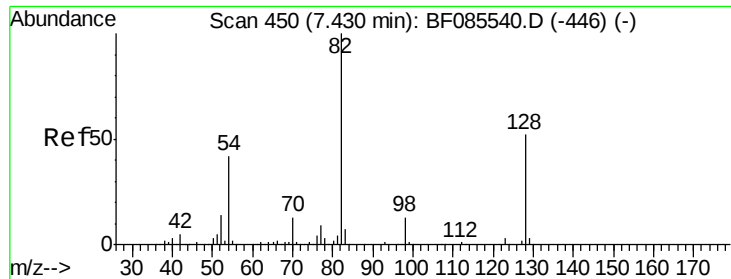
Delta R.T. 0.01 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	228941		
137	28.4	9.1	13.7#	
54	35.5	7.4	11.0#	
68	47.0	5.8	8.8#	





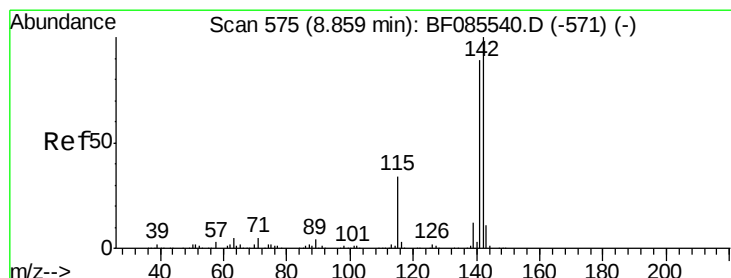
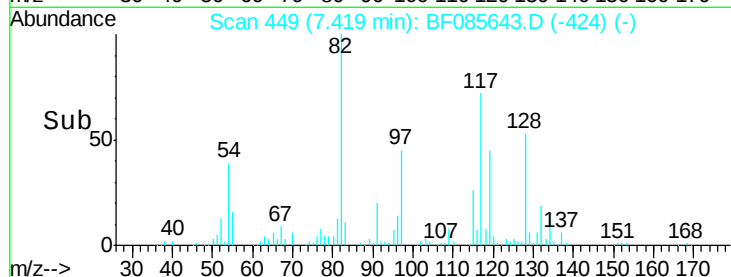
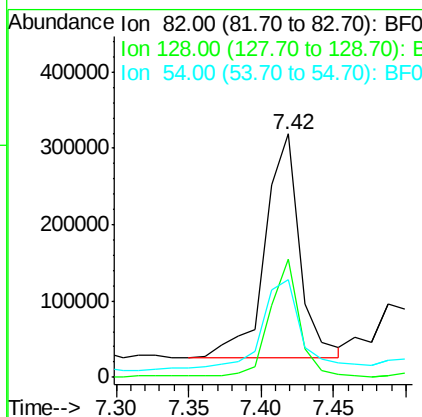
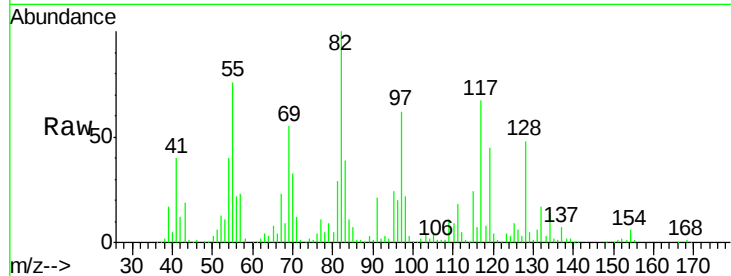
#23
 Nitrobenzene-d5
 Concen: 122.76 ng
 RT: 7.42 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-13-17.5-18.0

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	484198		
128	48.5	41.8	62.8	
54	40.2	33.4	50.0	

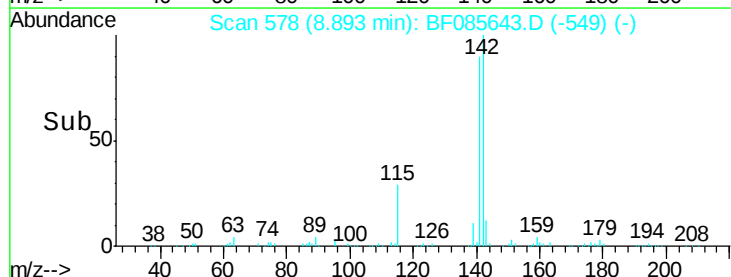
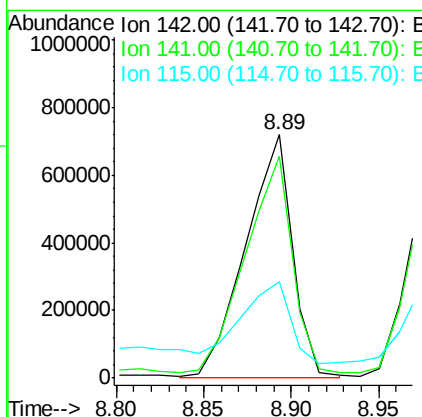
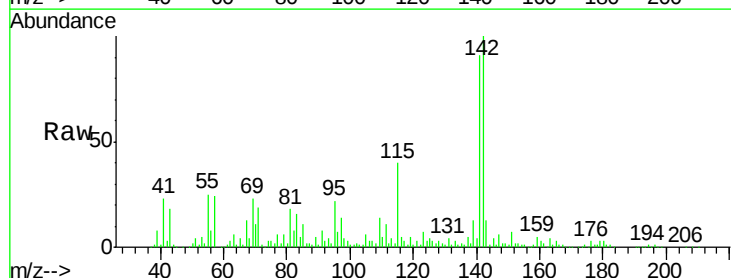
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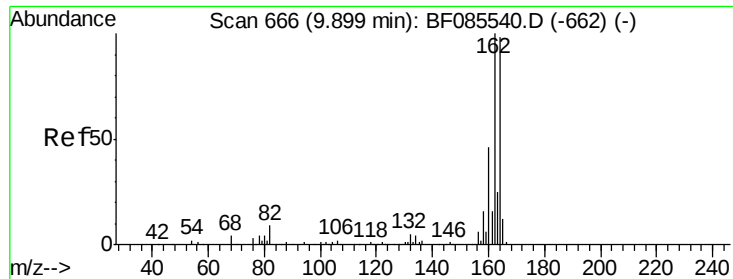
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#37
 2-Methylnaphthalene
 Concen: 189.44 ng m
 RT: 8.89 min Scan# 578
 Delta R.T. 0.03 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	1334384		
141	91.1	71.6	107.4	
115	39.7	26.8	40.2	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 669

Delta R.T. 0.03 min

Lab File: BF085643.D

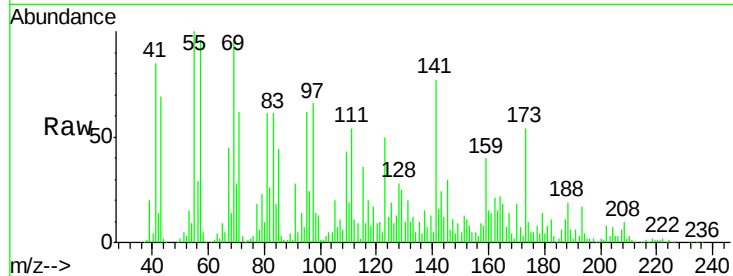
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Instrument :

BNA_F

ClientSampleId :

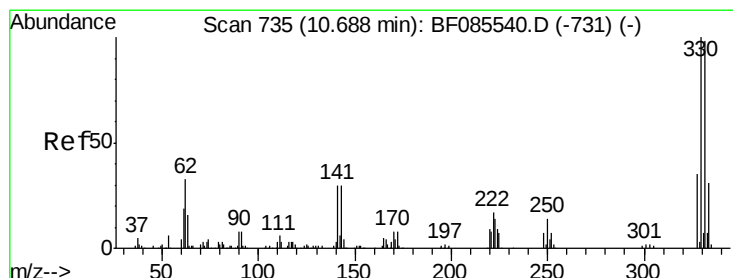
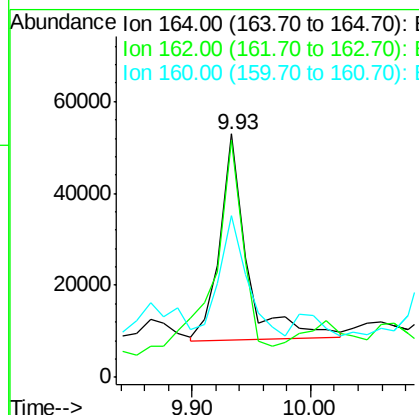
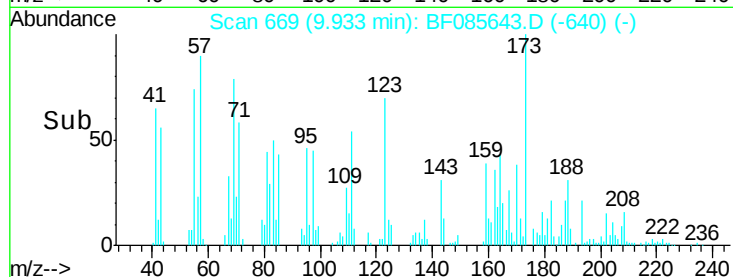
PJ-SB-13-17.5-18.0



Tgt Ion:	164	Resp:	71030
Ion Ratio	Lower	Upper	
164	100		
162	97.6	82.1	123.1
160	66.4	37.4	56.2#

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#41

2,4,6-Tribromophenol

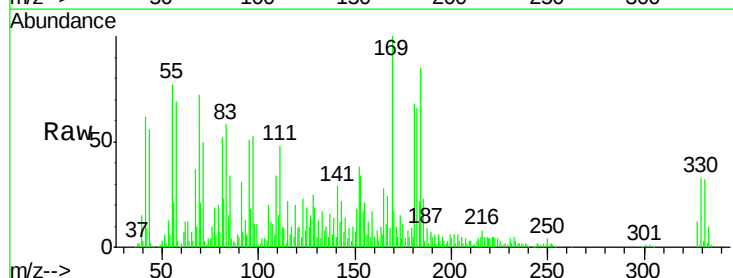
Concen: 137.30 ng

RT: 10.72 min Scan# 738

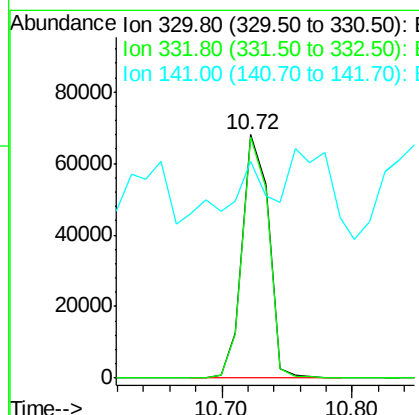
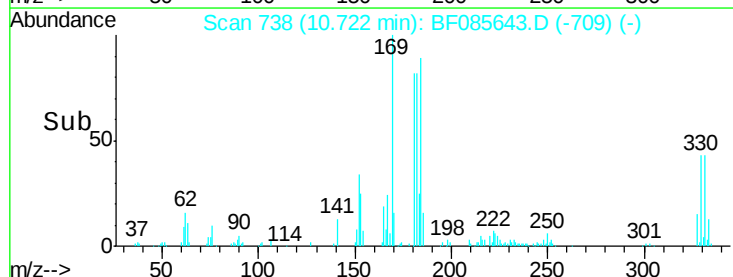
Delta R.T. 0.03 min

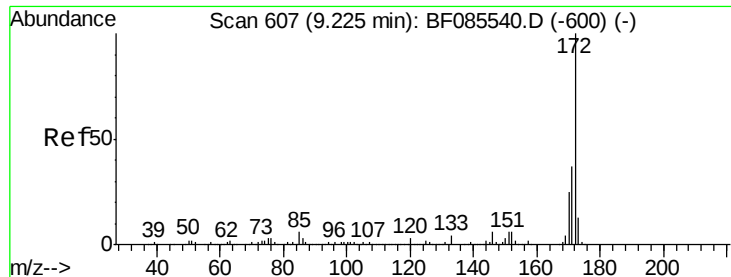
Lab File: BF085643.D

Acq: 22 Mar 2016 3:26



Tgt Ion:	330	Resp:	95532
Ion Ratio	Lower	Upper	
330	100		
332	98.6	78.2	117.2
141	22.5	31.5	47.3#





#44

2-Fluorobiphenyl

Concen: 137.29 ng

RT: 9.25 min Scan# 609

Delta R.T. 0.02 min

Lab File: BF085643.D

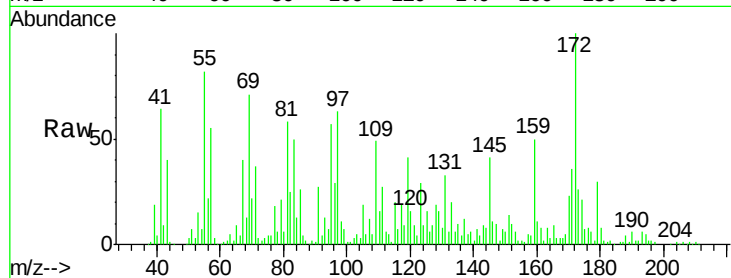
Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

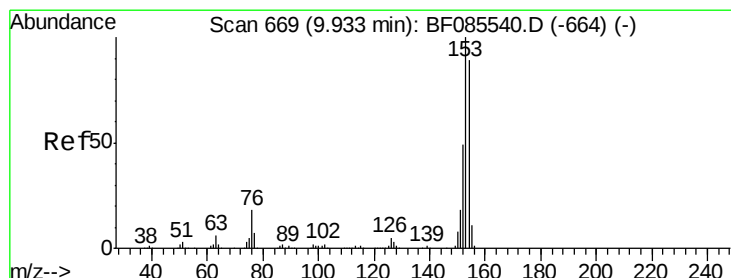
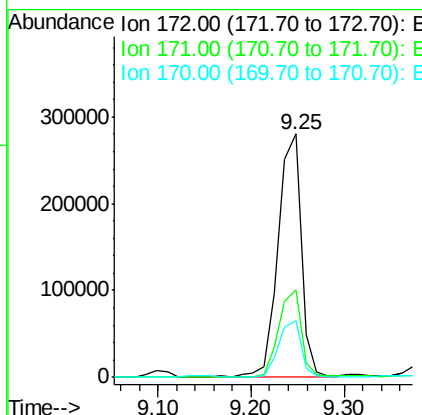
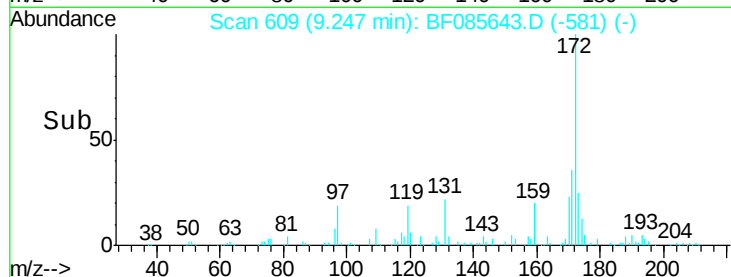
PJ-SB-13-17.5-18.0



Tgt Ion:	172	Resp:	485607
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.4	44.2
170	23.3	19.8	29.6

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#51

Acenaphthene

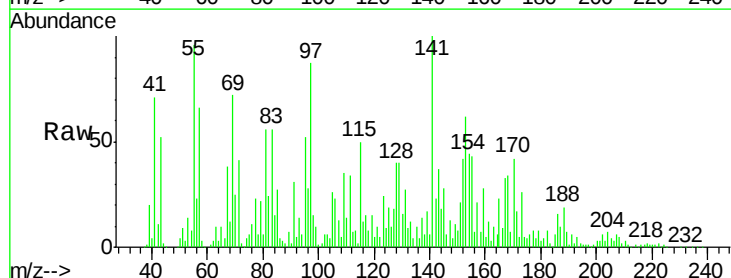
Concen: 33.89 ng

RT: 9.97 min Scan# 672

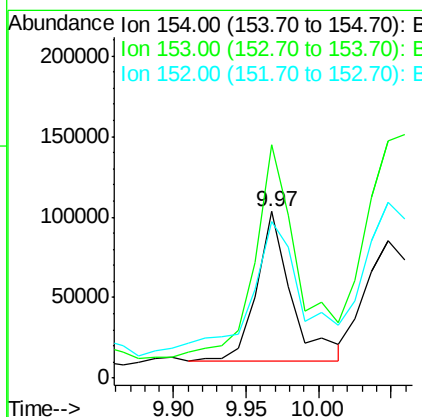
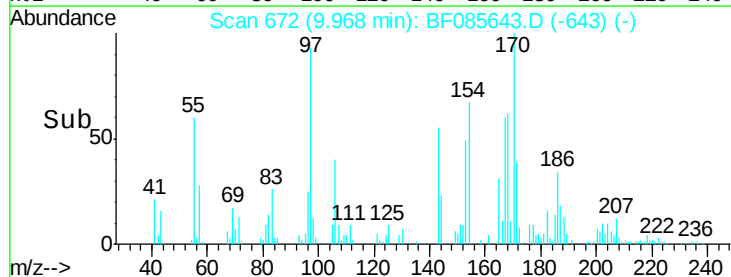
Delta R.T. 0.03 min

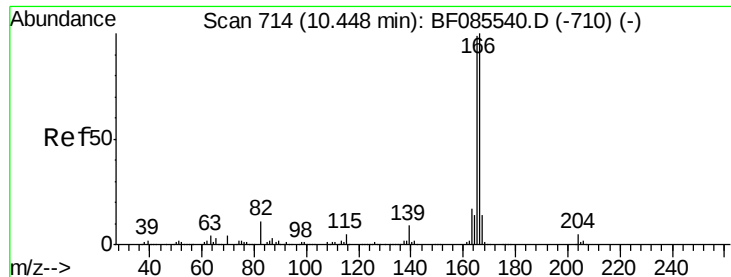
Lab File: BF085643.D

Acq: 22 Mar 2016 3:26



Tgt Ion:	154	Resp:	154063
Ion Ratio	Lower	Upper	
154	100		
153	140.5	90.1	135.1#
152	94.1	44.2	66.2#





#57

Fluorene

Concen: 82.31 ng

RT: 10.48 min Scan# 717

Delta R.T. 0.03 min

Lab File: BF085643.D

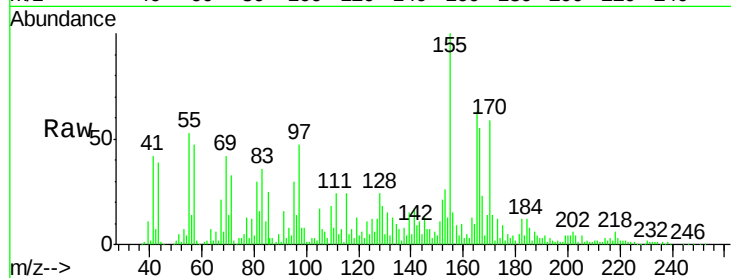
Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

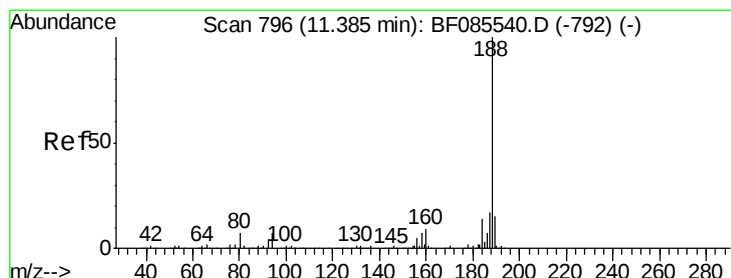
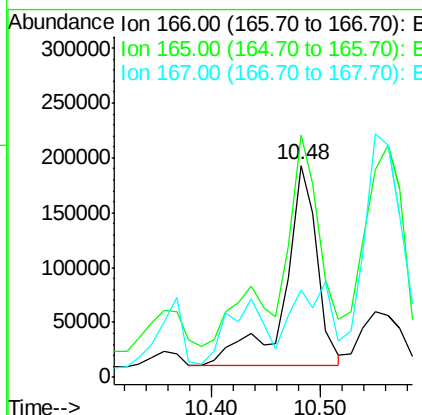
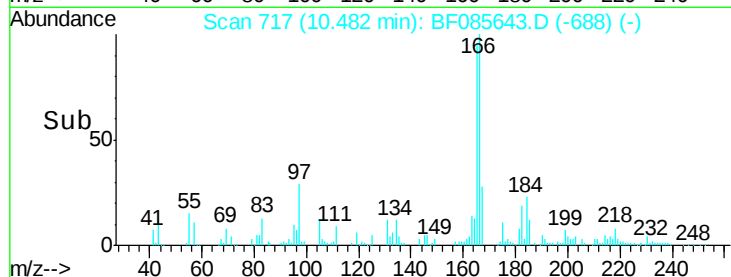
PJ-SB-13-17.5-18.0



Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	114.3	79.4	119.0	
167	41.2	11.0	16.4#	

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#63

Phenanthrene-d10

Concen: 20.00 ng

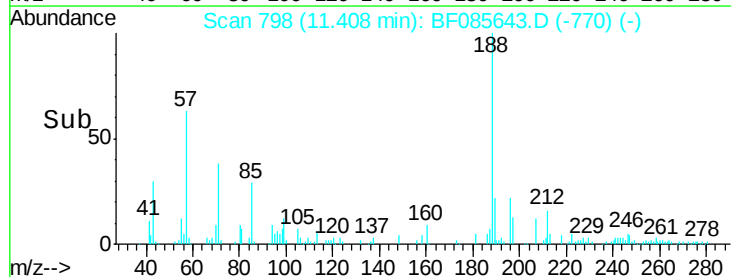
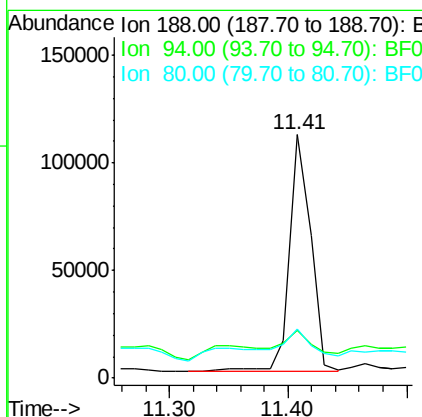
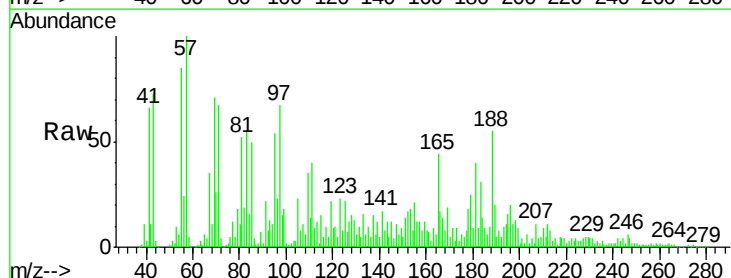
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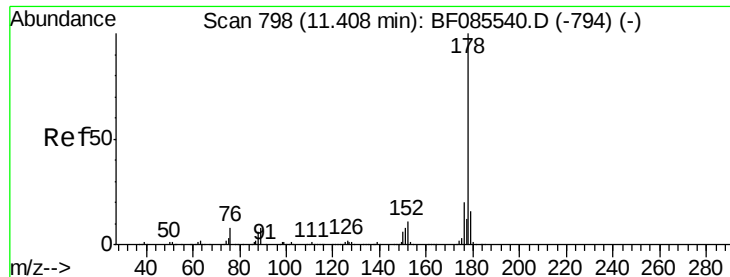
Delta R.T. 0.02 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	19.8	5.4	8.0#	
80	19.9	5.5	8.3#	





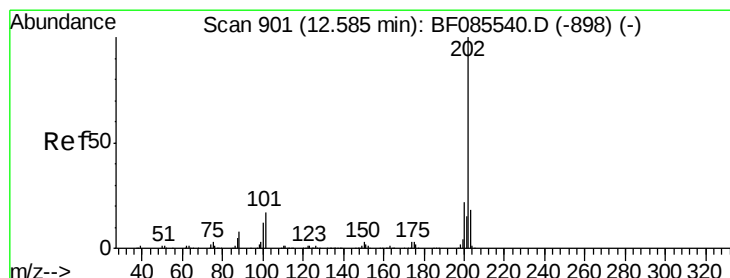
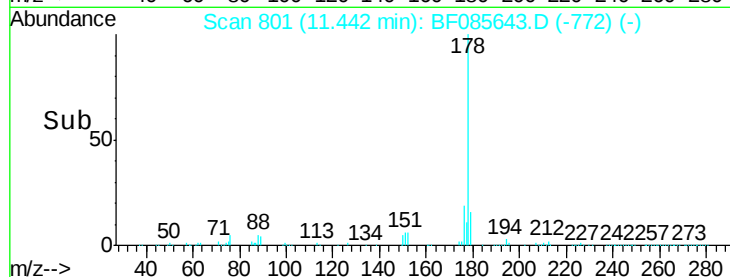
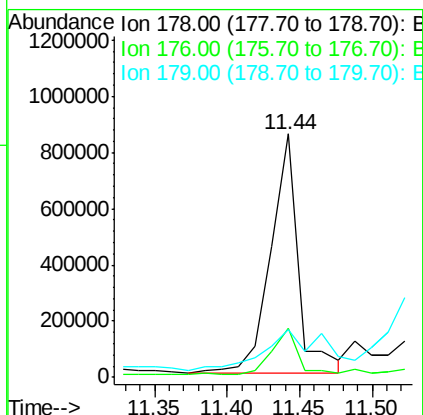
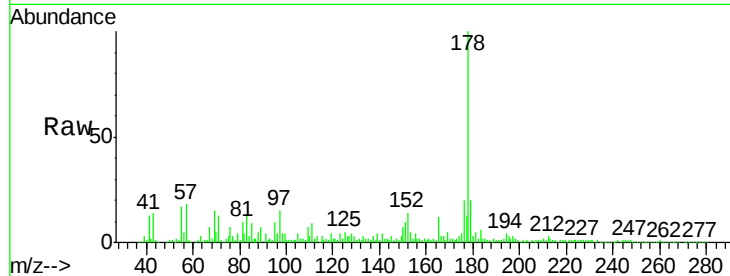
#70
Phenanthrene
Concen: 156.56 ng
RT: 11.44 min Scan# 801
Delta R.T. 0.03 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-17.5-18.0

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.3	24.5
179	19.9	12.6	18.8

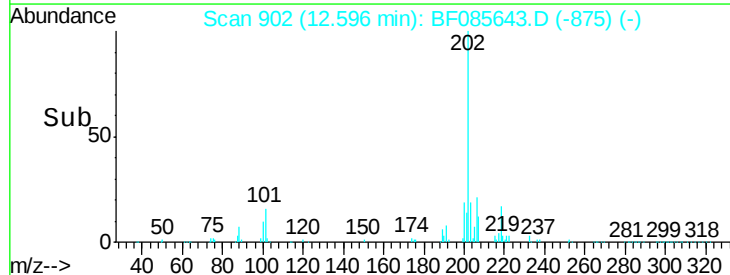
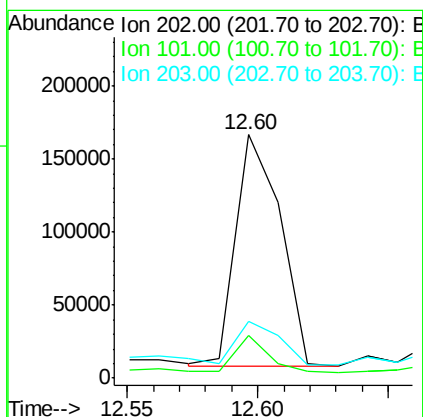
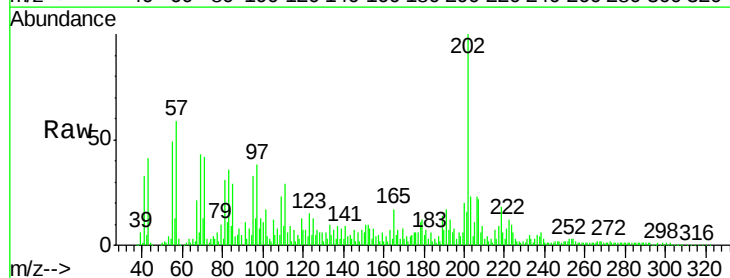
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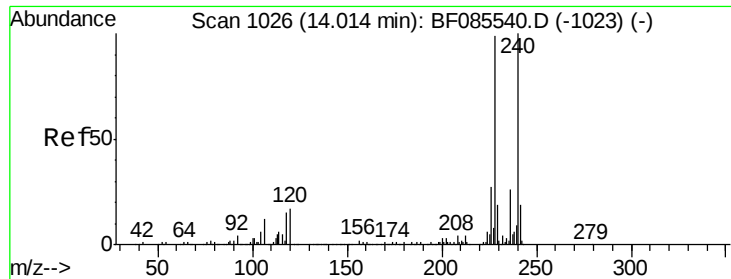
Sohil
3/22/2016 5:34:37 PM



#74
Fluoranthene
Concen: 25.32 ng
RT: 12.60 min Scan# 902
Delta R.T. 0.01 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.3	0.0	36.6
203	23.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085643.D

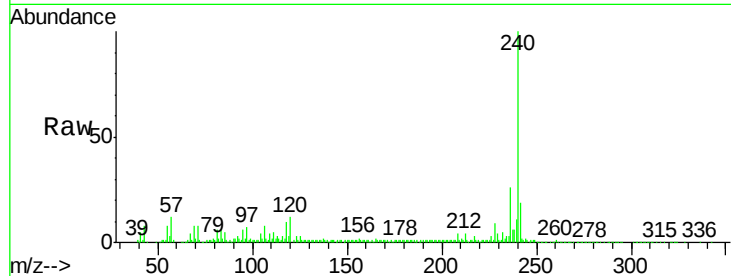
Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

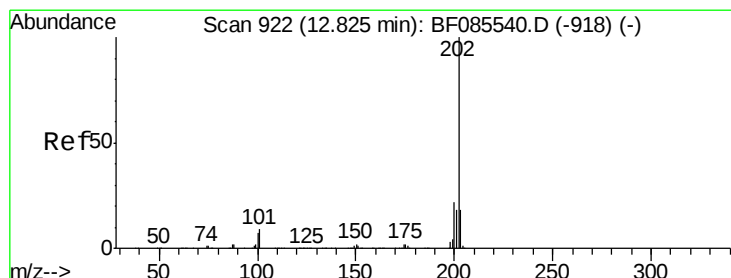
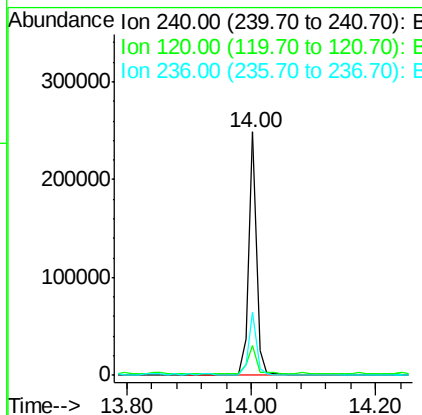
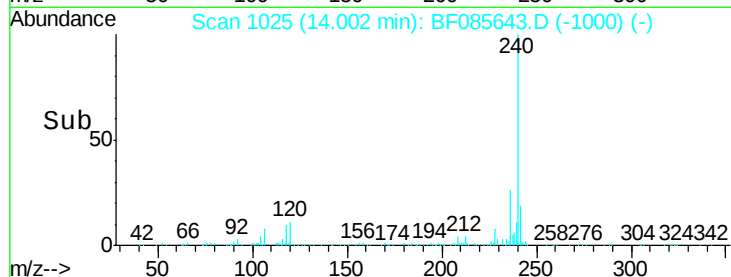
PJ-SB-13-17.5-18.0



Tgt Ion	Ratio	Resp	Lower	Upper
240	100	216926		
120	12.4	13.8	20.8#	
236	26.0	20.6	30.8	

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3/22/2016 5:34:37 PM



#77

Pyrene

Concen: 19.44 ng m

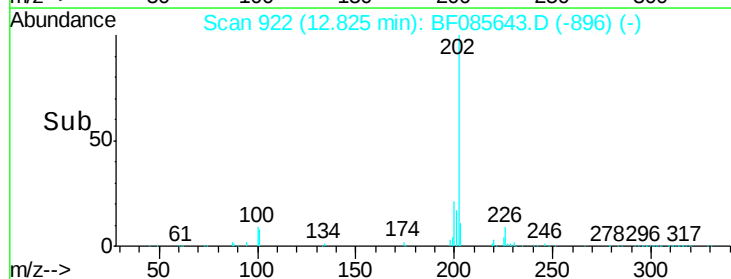
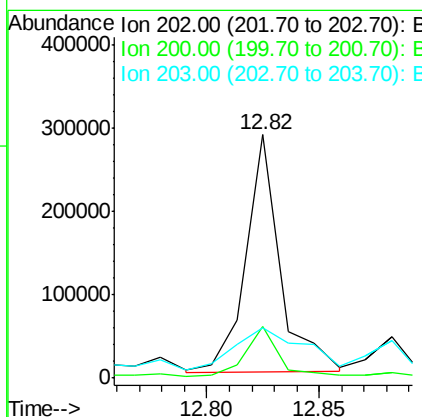
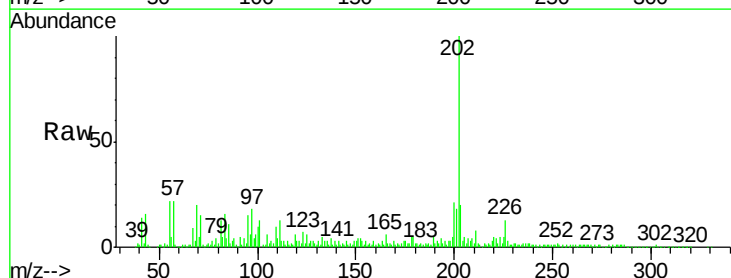
RT: 12.82 min Scan# 922

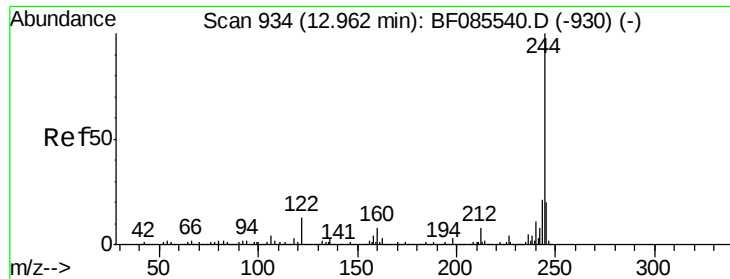
Delta R.T. 0.00 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	302769		
200	21.1	17.6	26.4	
203	20.5	14.0	21.0	





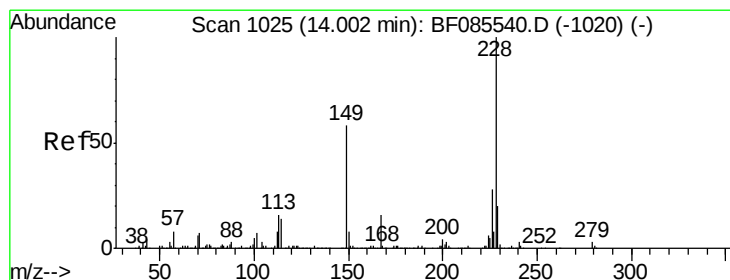
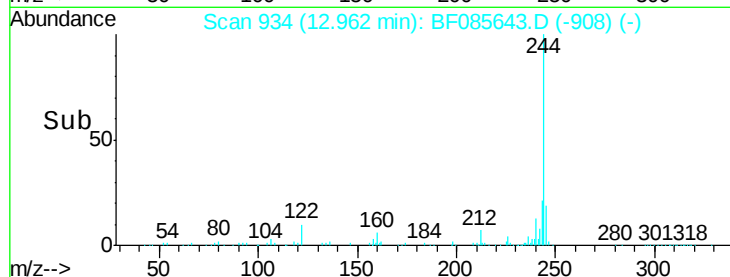
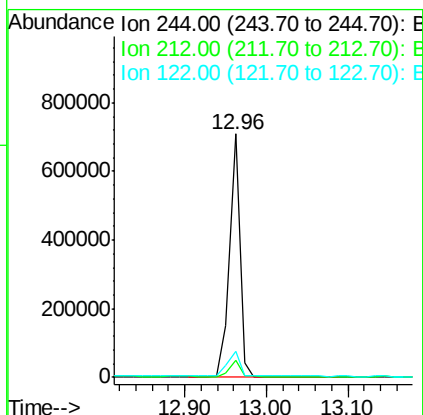
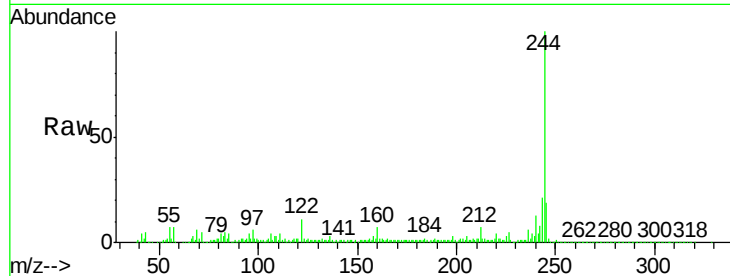
#78
 Terphenyl-d14
 Concen: 69.33 ng
 RT: 12.96 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-13-17.5-18.0

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	624988		
212	7.0	6.1	9.1	
122	10.6	10.2	15.4	

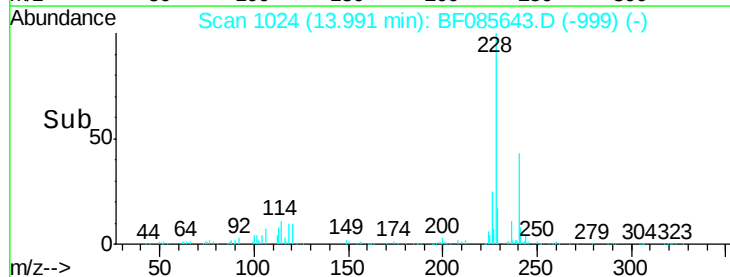
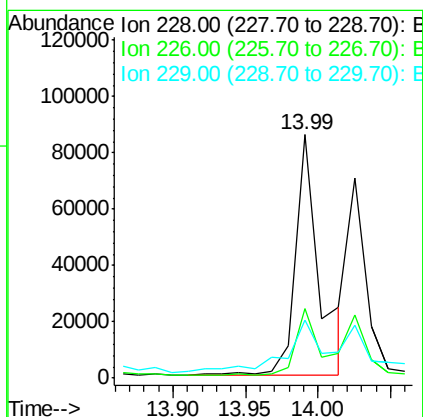
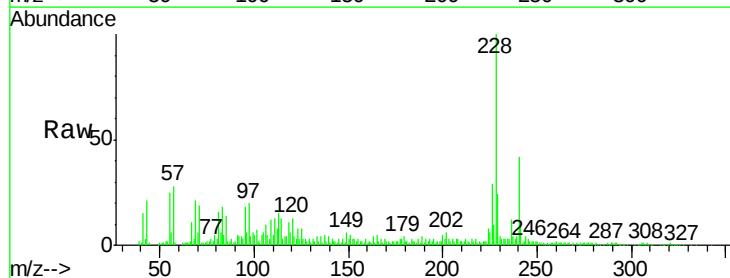
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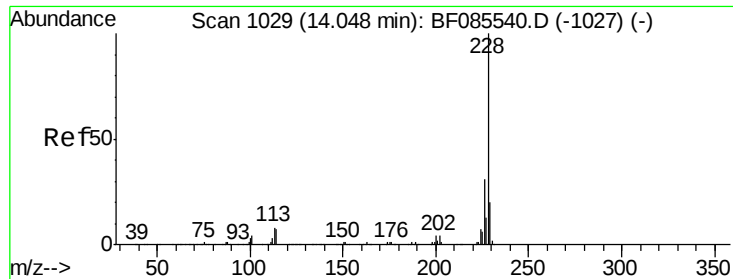
Sohil
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#80
 Benzo(a)anthracene
 Concen: 7.74 ng
 RT: 13.99 min Scan# 1024
 Delta R.T. -0.01 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	97431		
226	28.7	22.1	33.1	
229	23.8	16.2	24.4	





#82

Chrysene

Concen: 5.23 ng m

RT: 14.03 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF085643.D

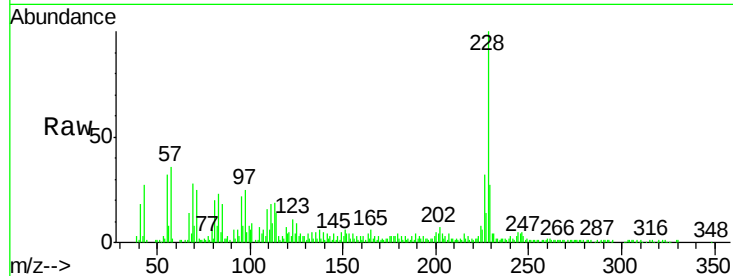
Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

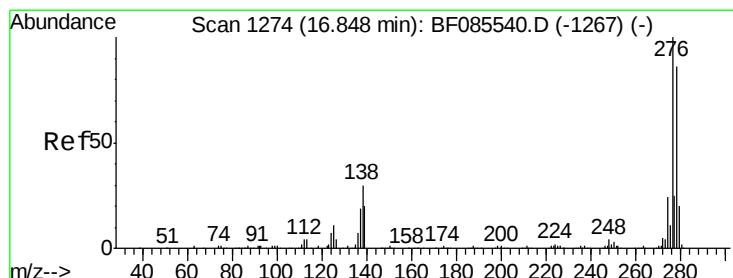
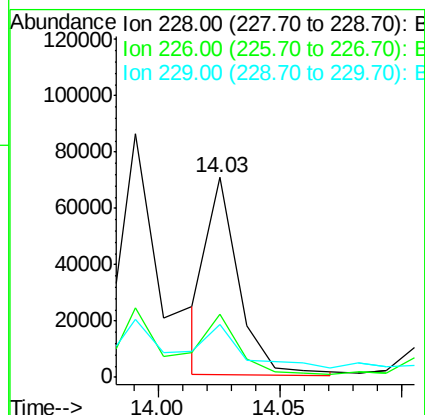
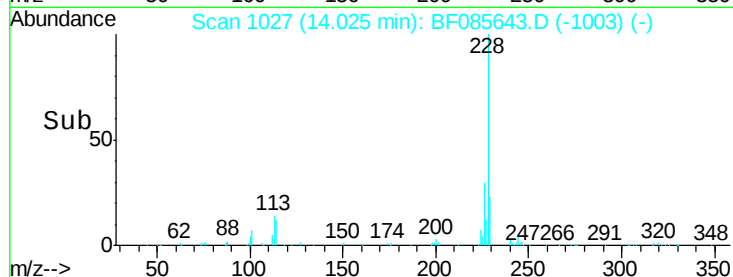
PJ-SB-13-17.5-18.0



Tgt Ion:	228	Resp:	63367
Ion Ratio	Lower	Upper	
228	100		
226	31.7	25.0	37.6
229	26.6	15.7	23.5#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.90 ng

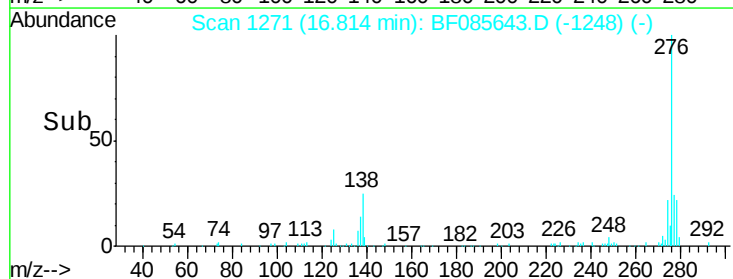
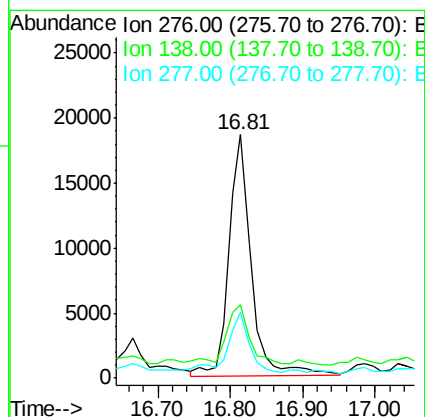
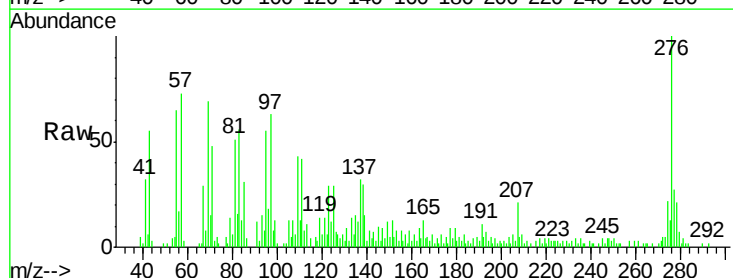
RT: 16.81 min Scan# 1271

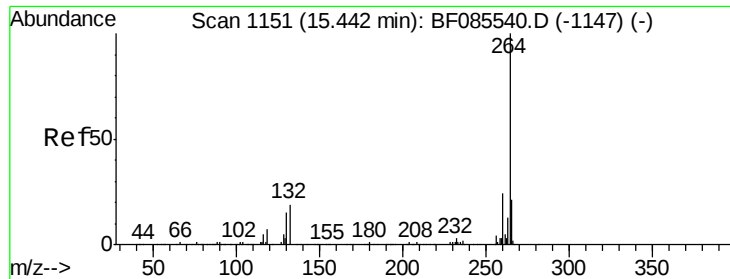
Delta R.T. -0.03 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Tgt Ion:	276	Resp:	39530
Ion Ratio	Lower	Upper	
276	100		
138	26.5	24.2	36.4
277	23.6	20.0	30.0





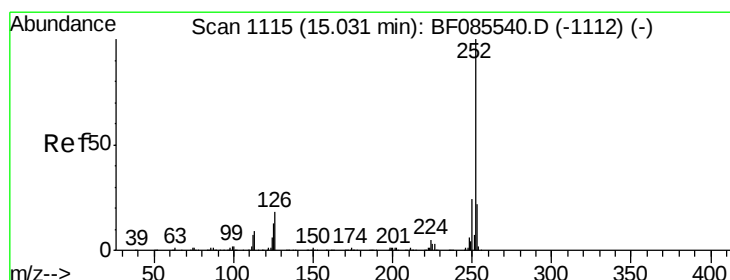
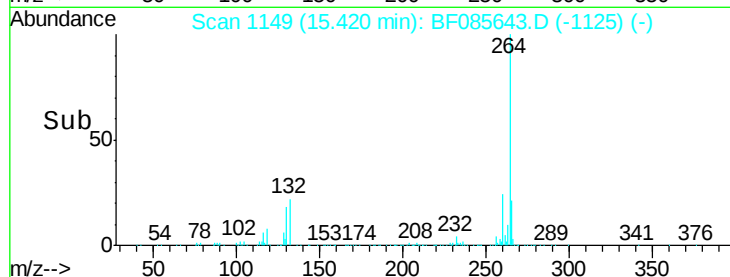
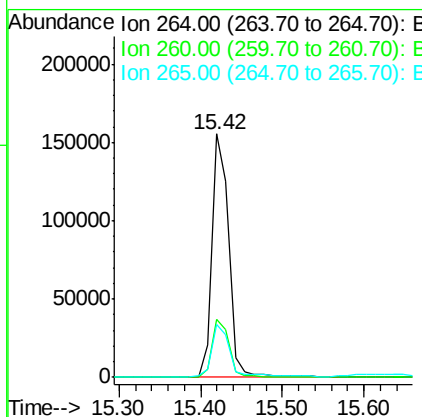
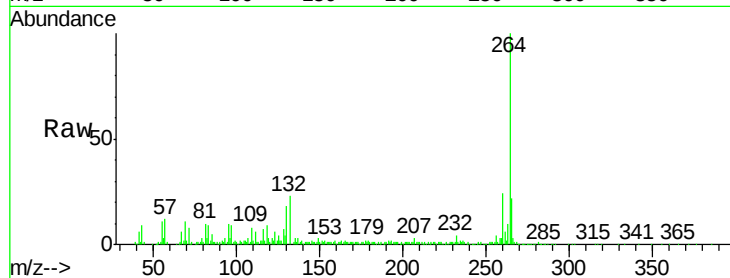
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-17.5-18.0

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.5	17.2	25.8

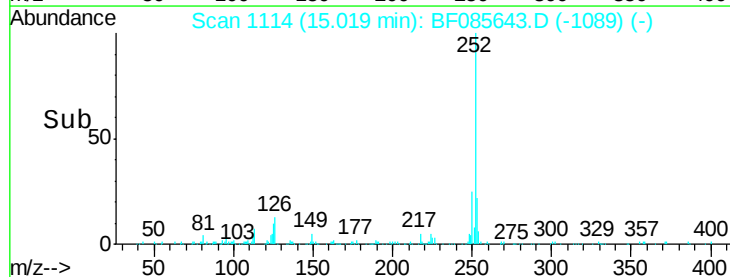
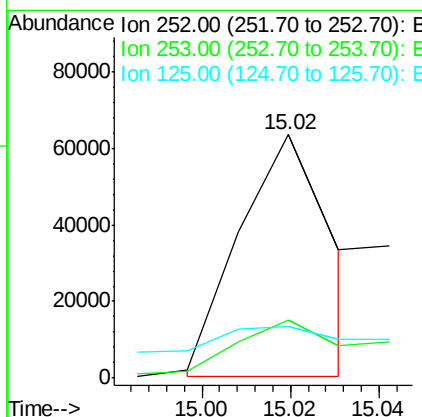
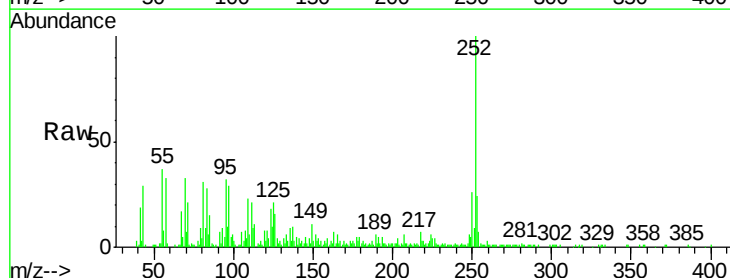
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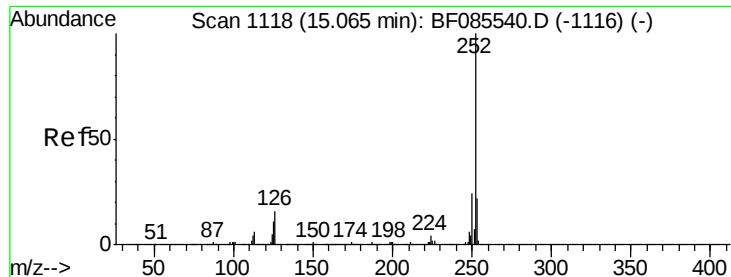
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#87
Benzo(b)fluoranthene
Concen: 6.37 ng m
RT: 15.02 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	21.4	10.3	15.5#





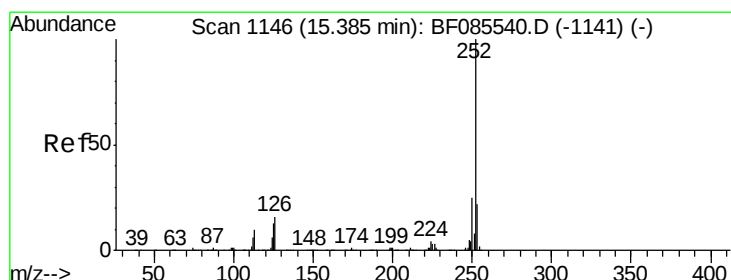
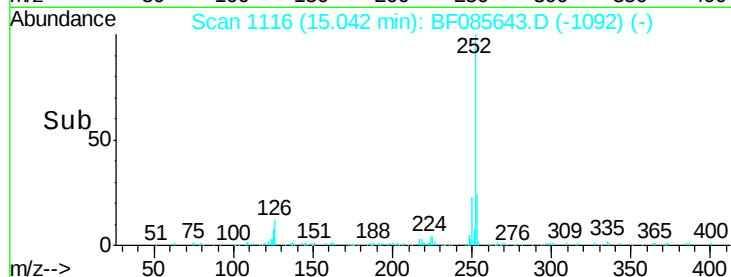
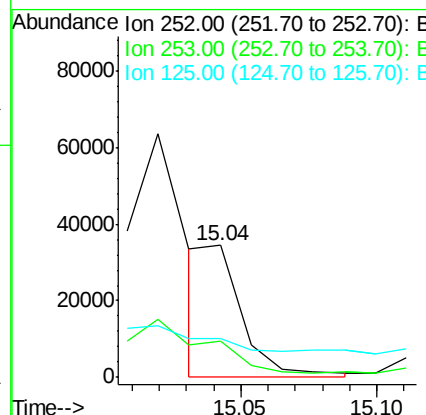
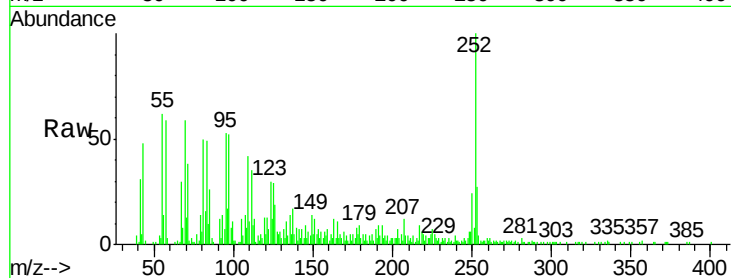
#88
Benzo(k)fluoranthene
Concen: 2.76 ng m
RT: 15.04 min Scan# 1116
Delta R.T. -0.02 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-17.5-18.0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.8	26.6#
125	29.4	7.7	11.5#

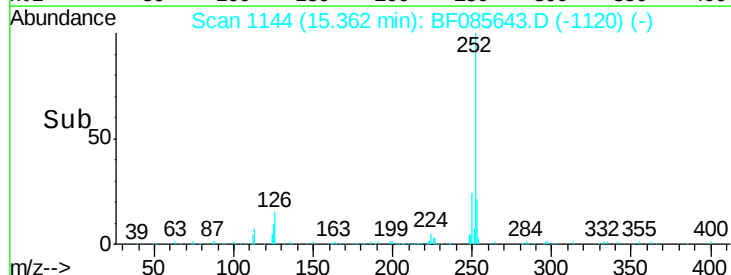
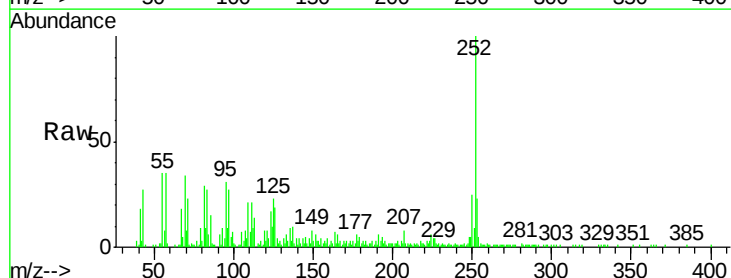
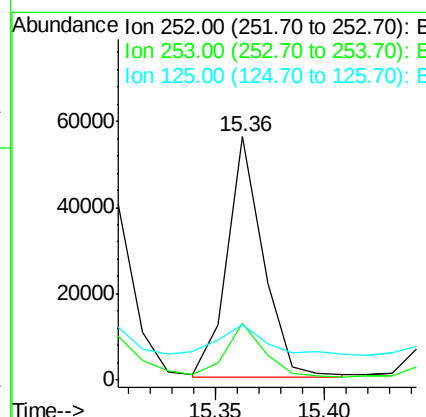
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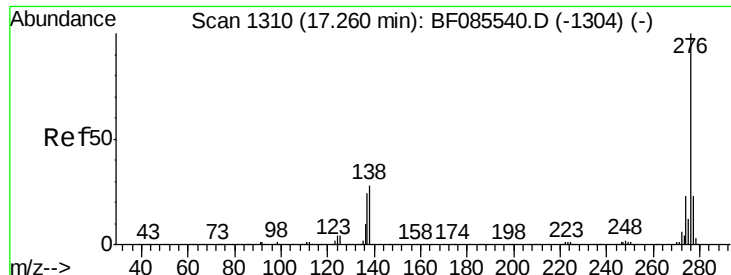
Sohil
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#89
Benzo(a)pyrene
Concen: 5.23 ng
RT: 15.36 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	22.8	10.3	15.5#





#91
 Benzo(g,h,i)perylene
 Concen: 3.58 ng
 RT: 17.23 min Scan# 1307
 Delta R.T. -0.03 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-13-17.5-18.0

Tgt Ion:	276	Resp:	35257
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.8	28.2
138	32.7	22.6	34.0

Manual Integrations
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