

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122718\
 Data File : BF111783.D
 Acq On : 28 Dec 2018 1:31
 Operator : JU/SJ
 Sample : J6426-16DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013C-3036-01DL

Manual Integrations
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 12/28/2018 10:37:41 AM

Quant Time: Dec 28 07:50:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	120144	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	406656	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	179308	20.00	ng	0.01
64) Phenanthrene-d10	11.43	188	304637	20.00	ng	0.02
76) Chrysene-d12	14.07	240	253706	20.00	ng	0.02
87) Perylene-d12	15.56	264	196757	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	99336	14.09	ng	0.03
7) Phenol-d6	6.55	99	166048	18.51	ng	0.02
23) Nitrobenzene-d5	7.46	82	144486	20.68	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	47711	22.52	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	266261	21.64	ng	0.00
79) Terphenyl-d14	13.01	244	246426	18.42	ng	0.01
Target Compounds						
10) Phenol	6.56	94	31793	3.141	ng	98
17) 2-Methylphenol	7.16	107	12655	2.024	ng	# 59
20) 3+4-Methylphenols	7.31	107	25043	3.170	ng	# 66
30) 1,2,4-Trichlorobenzene	8.13	180	123697	17.629	ng	98
31) Naphthalene	8.21	128	391759	20.050	ng	97
37) 2-Methylnaphthalene	8.90	142	378472	29.772	ng	99
38) 1-Methylnaphthalene	9.00	142	206254m	16.894	ng	
46) 1,1'-Biphenyl	9.36	154	67547	4.463	ng	92
58) Fluorene	10.49	166	31376	2.669	ng	# 89
71) Phenanthrene	11.46	178	120989	7.489	ng	95

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

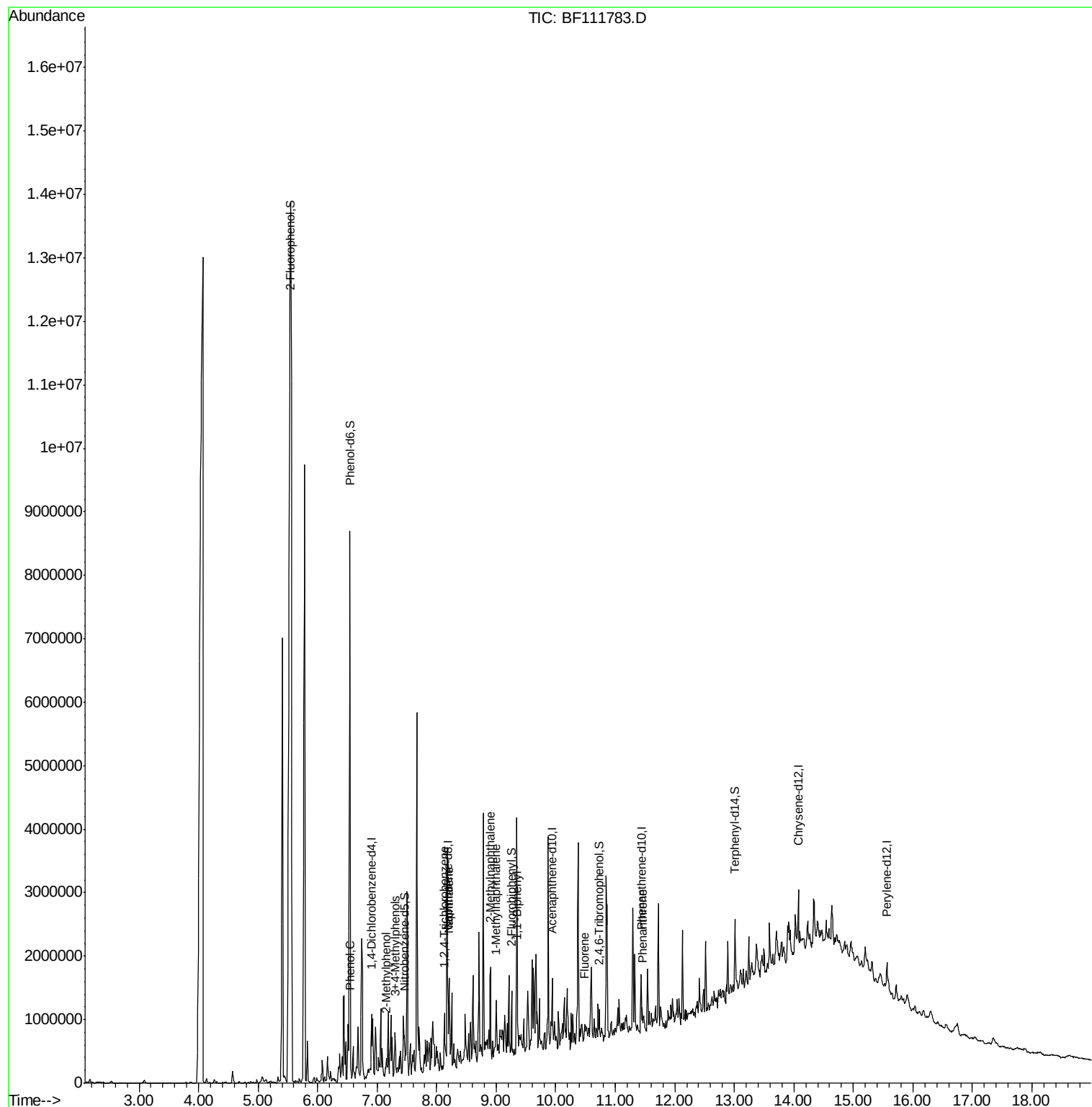
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122718\
Data File : BF111783.D
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ALS Vial : 29 Sample Multiplier: 1

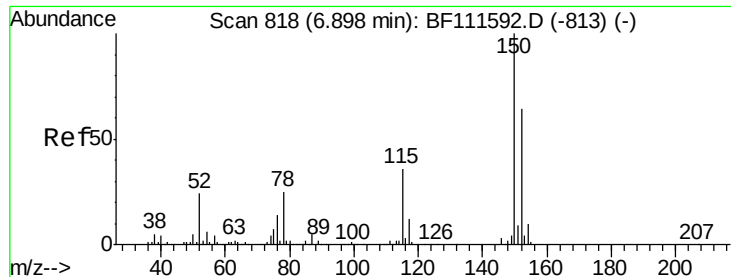
Instrument :
BNA_F
ClientSampleId :
P001-SS013C-3036-01DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

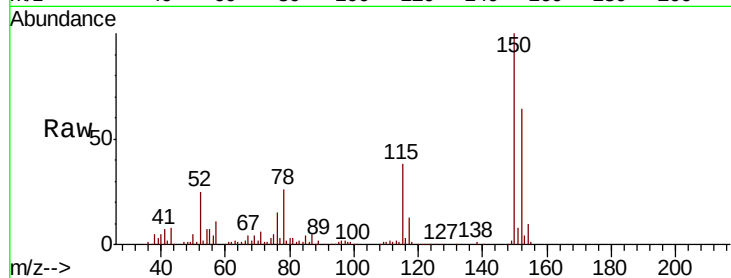
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Instrument :
BNA_F
ClientSampleId :
P001-SS013C-3036-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.6	189.8
115	60.4	50.7	76.1

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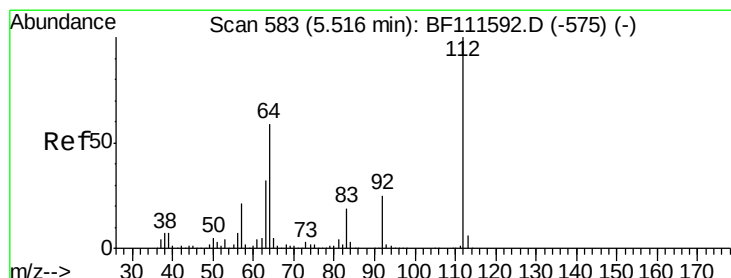
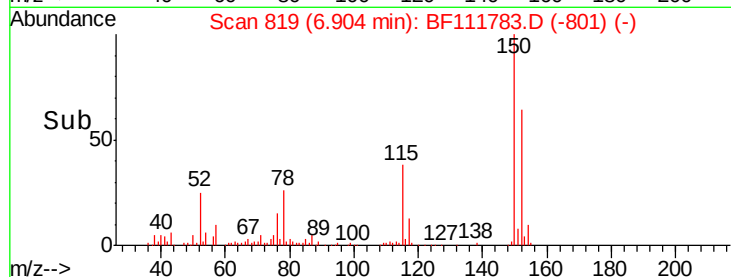
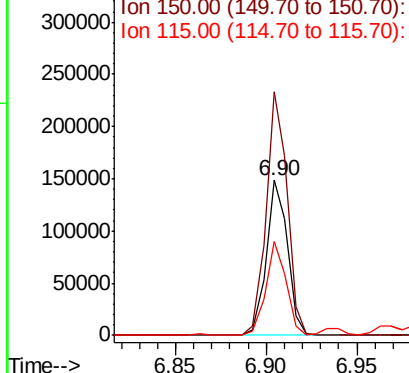


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

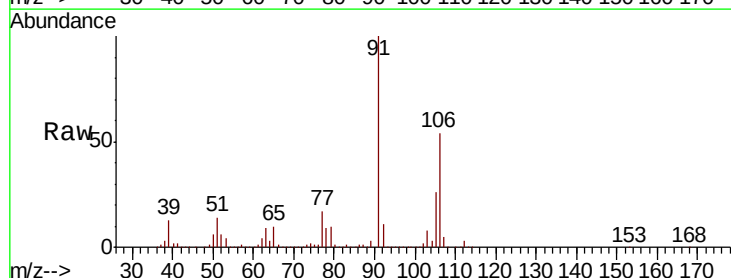
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.093 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.03 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	118.2	51.8	77.6#
63	321.5	26.8	40.2#

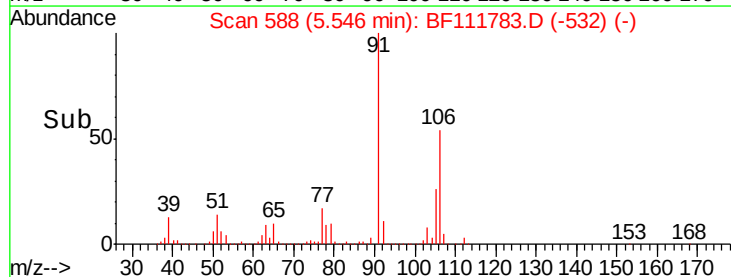
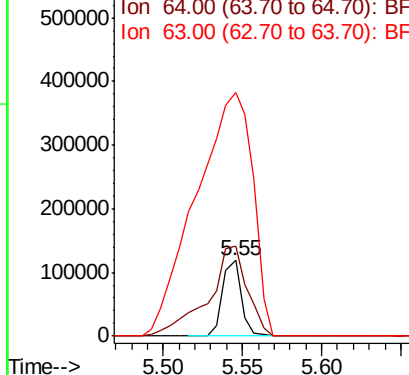


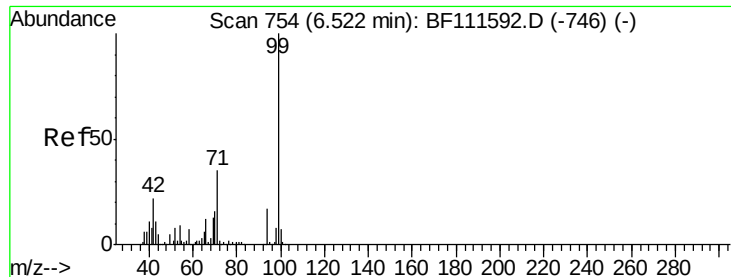
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 18.511 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

Instrument :

BNA_F

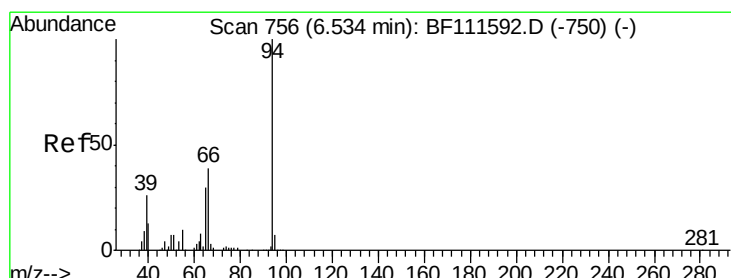
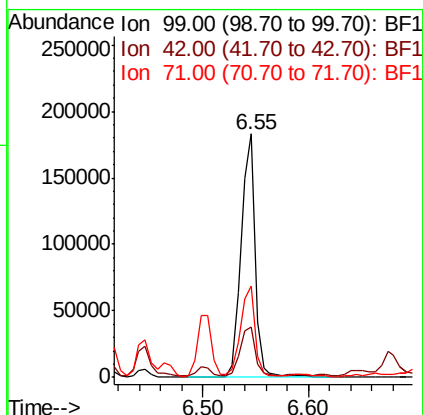
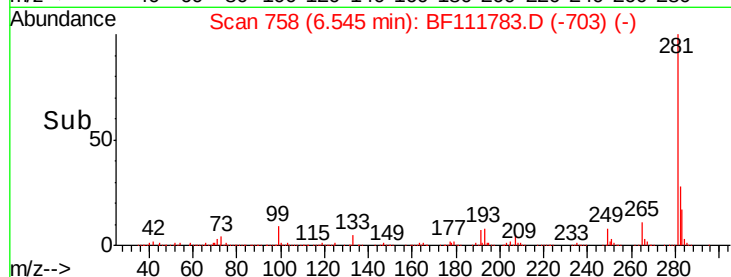
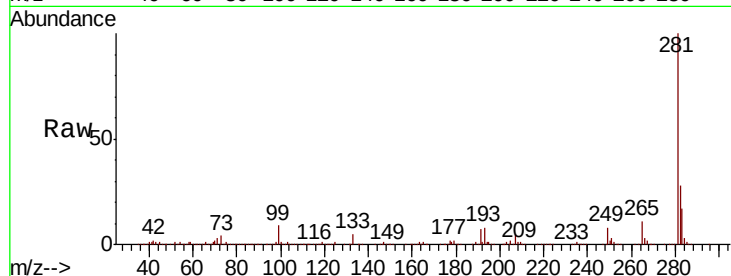
ClientSampleId :

P001-SS013C-3036-01DL

Tot Ion:	99	Resp:	166048
Ion Ratio	Lower	Upper	
99	100		
42	20.8	17.4	26.0
71	37.6	26.1	39.1

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#10

Phenol

Concen: 3.141 ng

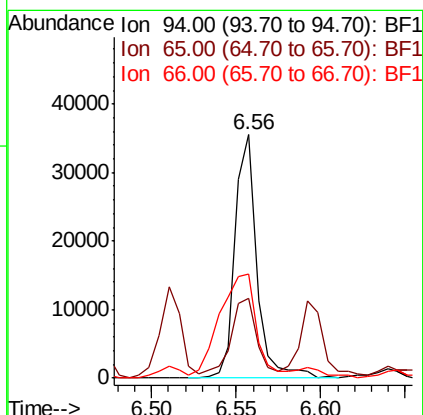
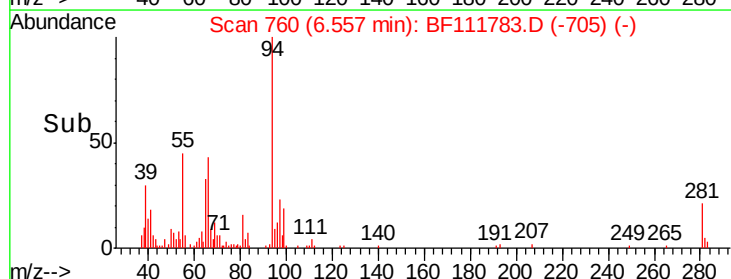
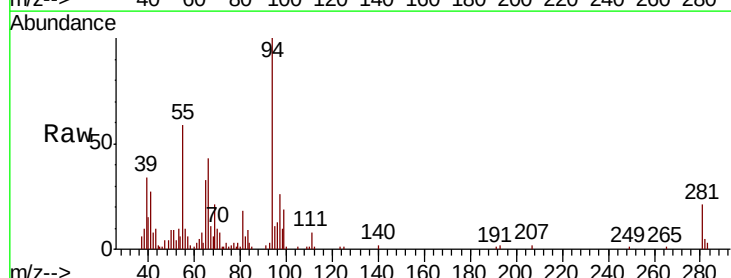
RT: 6.56 min Scan# 760

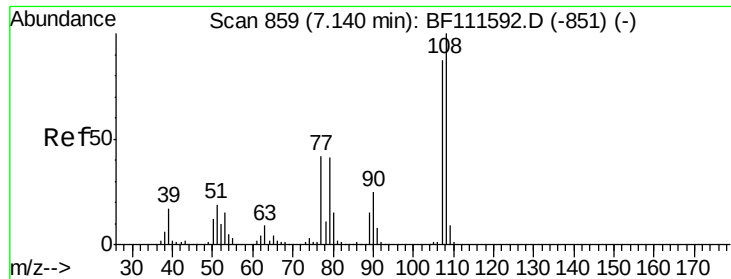
Delta R.T. 0.02 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

Tgt Ion:	94	Resp:	31793
Ion Ratio	Lower	Upper	
94	100		
65	32.7	11.7	51.7
66	42.5	21.0	61.0





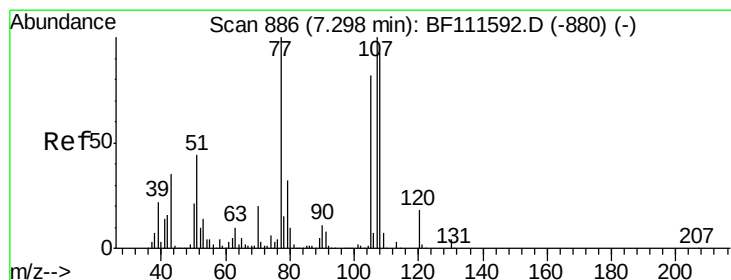
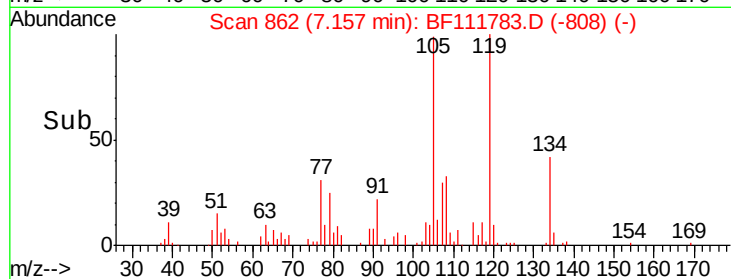
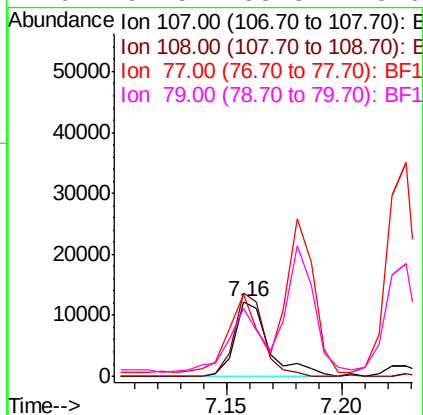
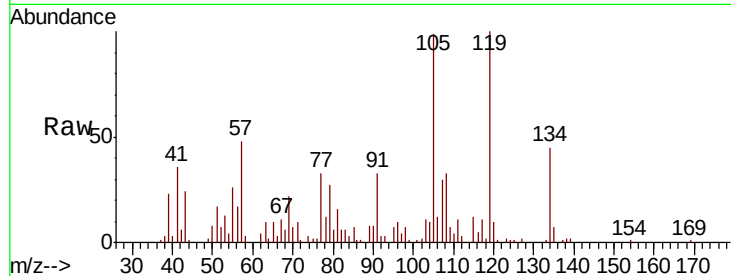
#17
2-Methylphenol
Concen: 2.024 ng
RT: 7.16 min Scan# 862
Delta R.T. 0.02 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Instrument :
BNA_F
ClientSampleId :
P001-SS013C-3036-01DL

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	110.7	91.0	136.4	
77	109.8	33.5	50.3#	
79	91.5	33.3	49.9#	

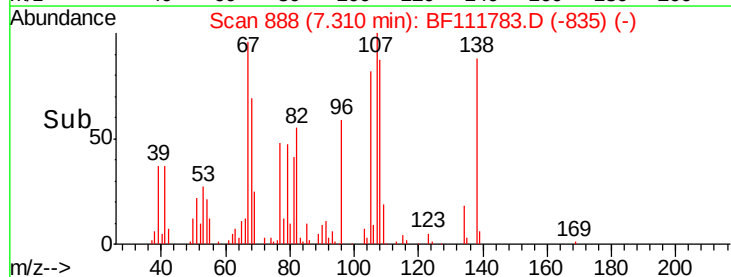
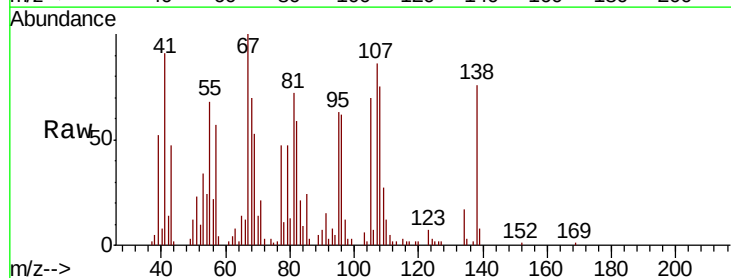
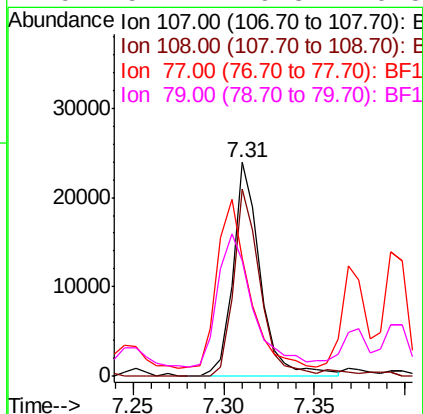
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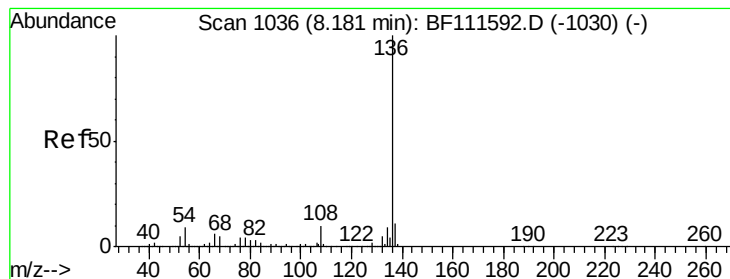
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#20
3+4-Methylphenols
Concen: 3.170 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	87.2	72.1	112.1	
77	55.0	94.1	134.1#	
79	54.2	9.8	49.8#	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

Instrument :

BNA_F

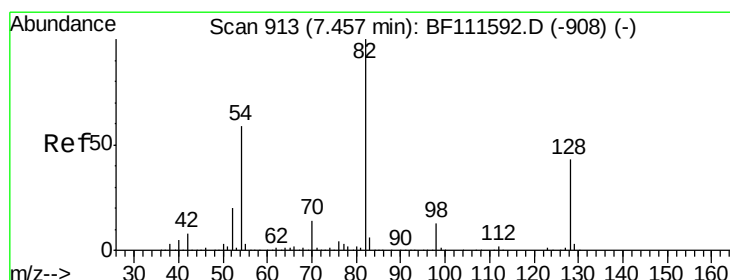
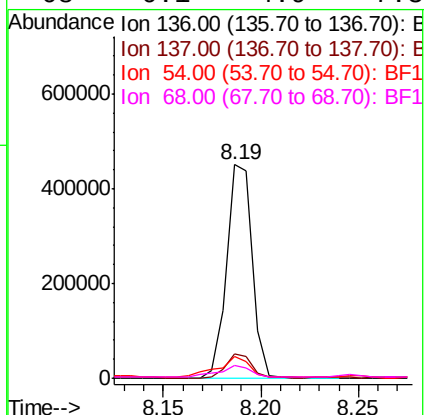
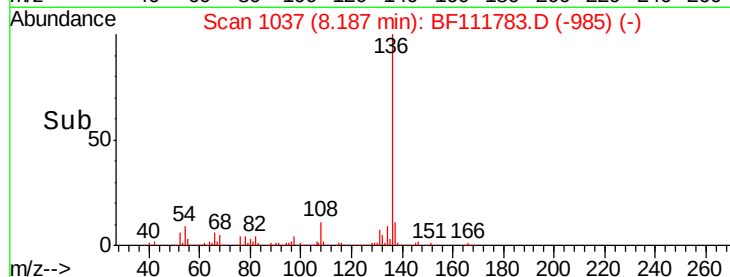
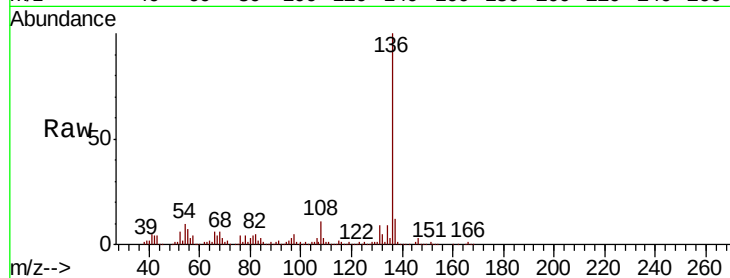
ClientSampleId :

P001-SS013C-3036-01DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		406656		
137	11.6		9.1	13.7	
54	10.0		7.7	11.5	
68	6.1		4.9	7.3	

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#23

Nitrobenzene-d5

Concen: 20.681 ng

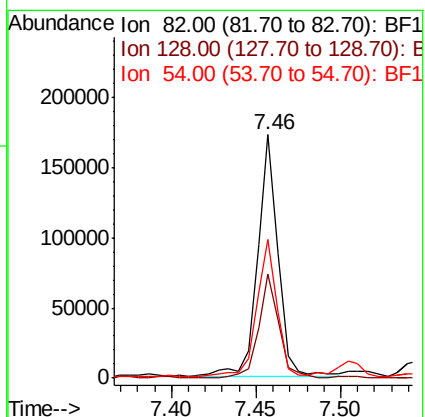
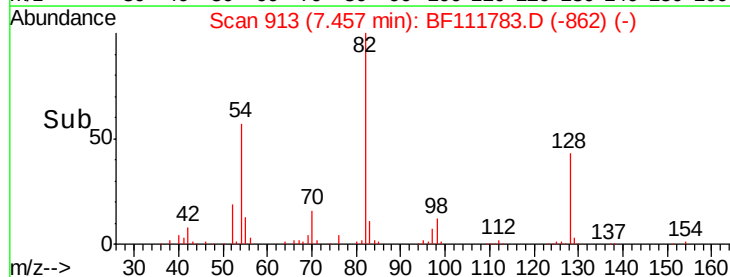
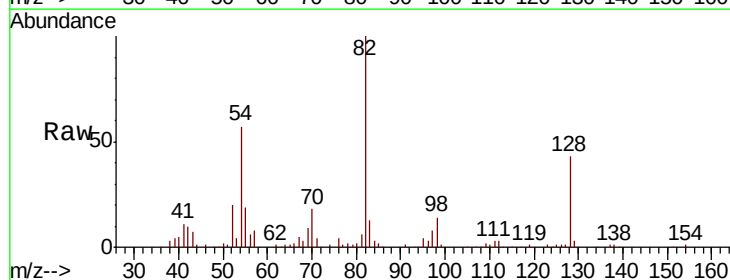
RT: 7.46 min Scan# 913

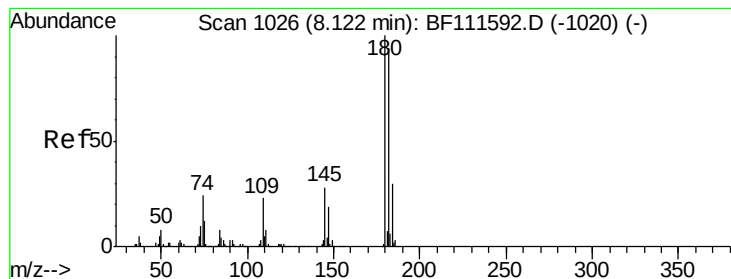
Delta R.T. 0.00 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		144486		
128	42.6		37.4	56.2	
54	56.7		47.6	71.4	





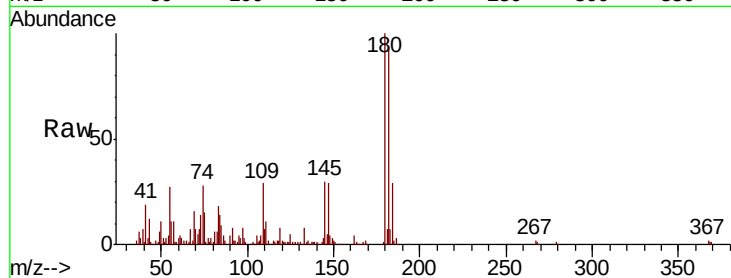
#30
 1,2,4-Trichlorobenzene
 Concen: 17.629 ng
 RT: 8.13 min Scan# 1027
 Delta R.T. 0.01 min
 Lab File: BF111783.D
 Acq: 28 Dec 2018 1:31

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013C-3036-01DL

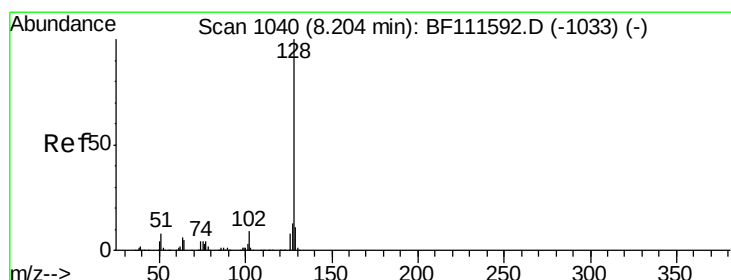
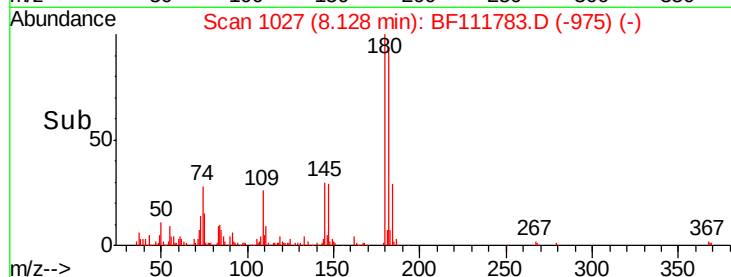
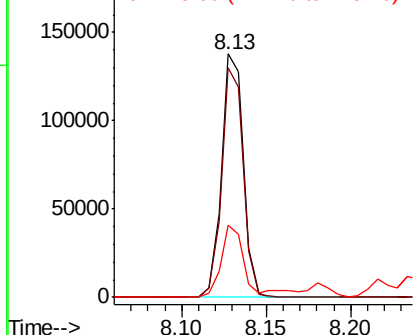
Tot Ion:	180	Resp:	123697
Ion Ratio	Lower	Upper	
180	100		
182	94.4	75.6	113.4
145	29.6	26.7	40.1

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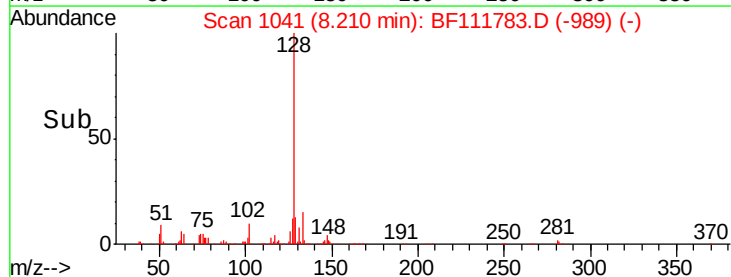
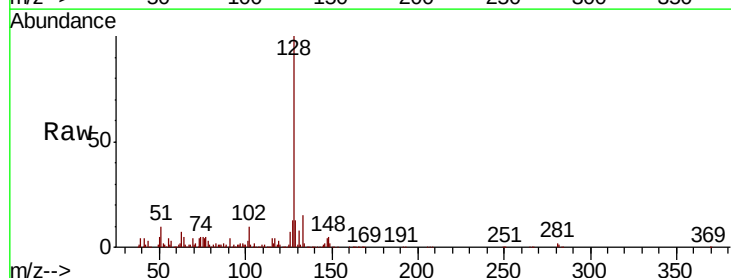
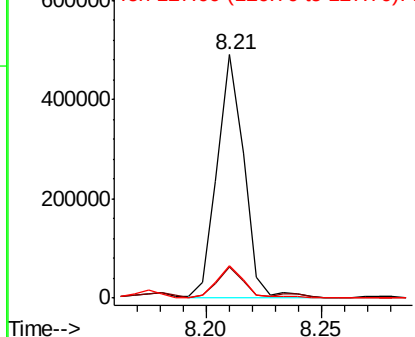
Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

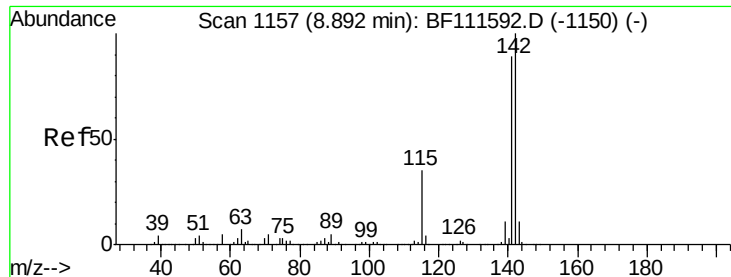


#31
 Naphthalene
 Concen: 20.050 ng
 RT: 8.21 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: BF111783.D
 Acq: 28 Dec 2018 1:31

Tgt Ion:	128	Resp:	391759
Ion Ratio	Lower	Upper	
128	100		
129	12.7	9.8	14.8
127	13.3	12.0	18.0

Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





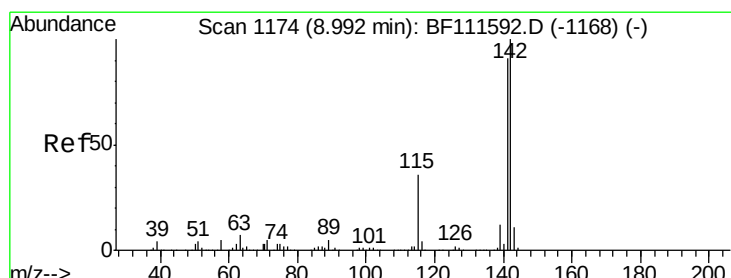
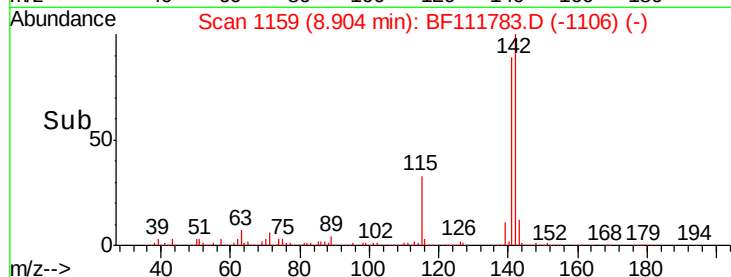
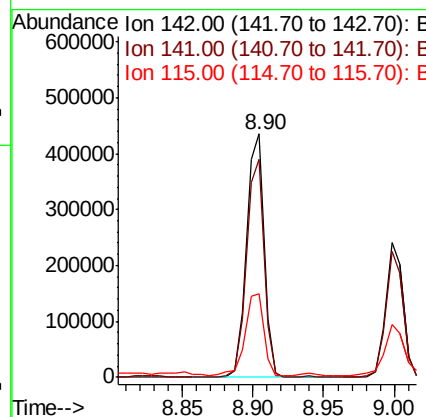
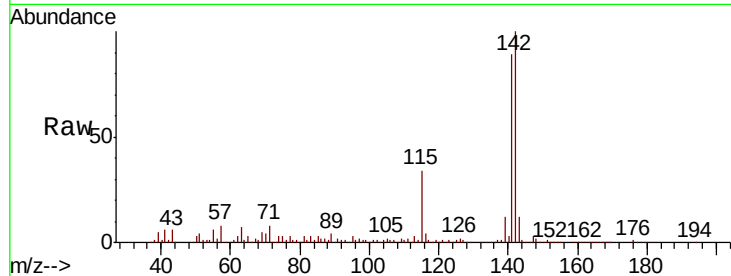
#37
2-Methylnaphthalene
Concen: 29.772 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Instrument :
BNA_F
ClientSampleId :
P001-SS013C-3036-01DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	378472		
141	89.4	70.6	105.8	
115	34.1	27.0	40.6	

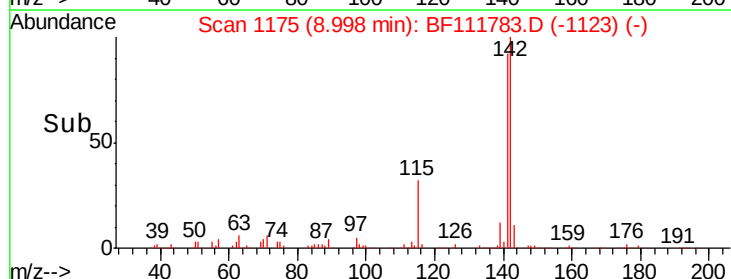
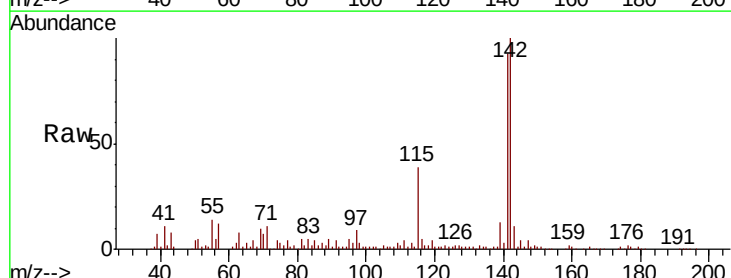
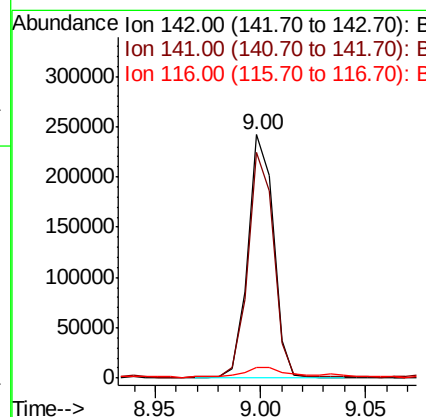
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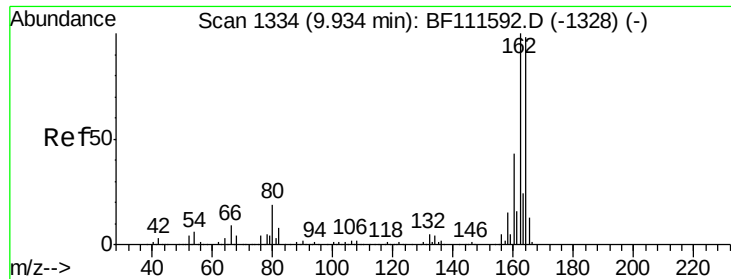
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#38
1-Methylnaphthalene
Concen: 16.894 ng m
RT: 9.00 min Scan# 1175
Delta R.T. 0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	206254		
141	92.9	74.2	111.4	
116	4.6	2.9	4.3#	





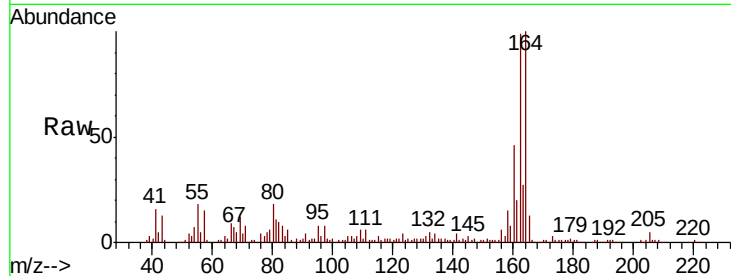
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Instrument :
BNA_F
ClientSampleId :
P001-SS013C-3036-01DL

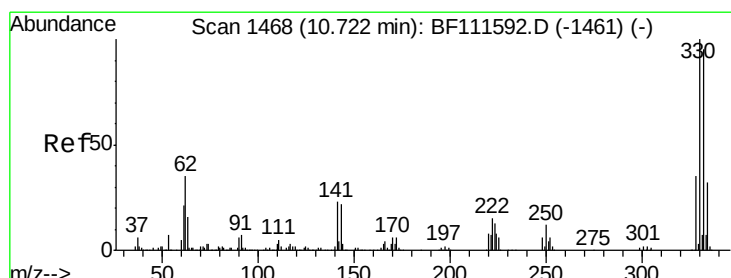
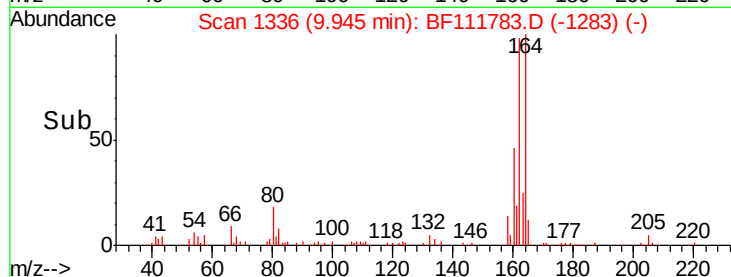
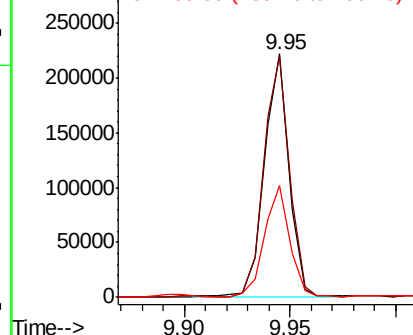
Tot Ion	Ratio	Resp	Lower	Upper
164	100	179308		
162	99.2	81.4	122.0	
160	46.0	35.7	53.5	

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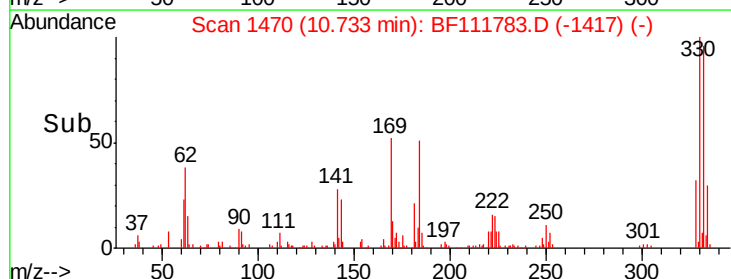
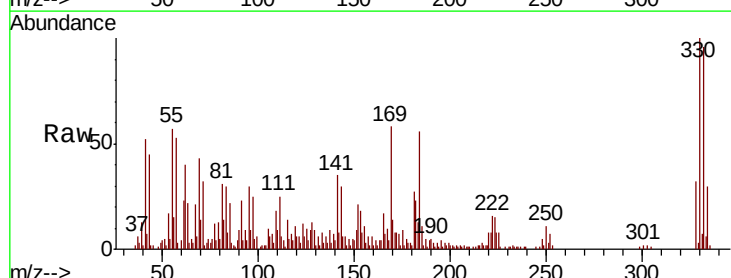
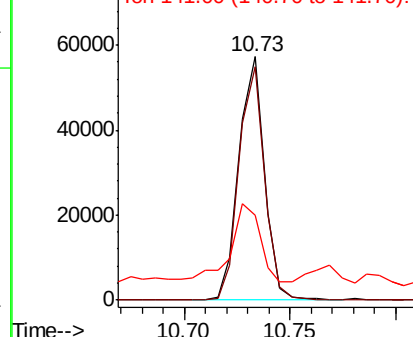
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

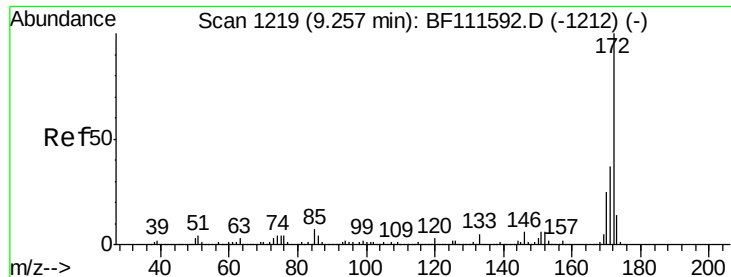


#42
2,4,6-Tribromophenol
Concen: 22.519 ng
RT: 10.73 min Scan# 1470
Delta R.T. 0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	47711		
332	95.9	76.0	114.0	
141	36.9	31.0	46.6	

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





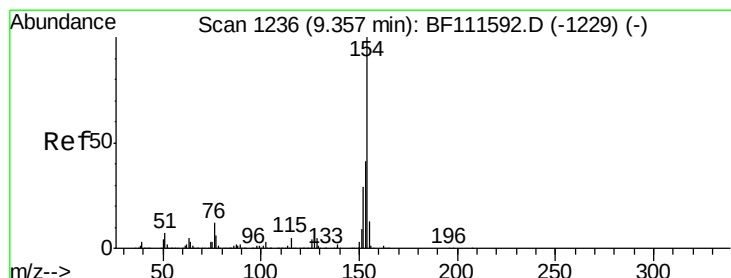
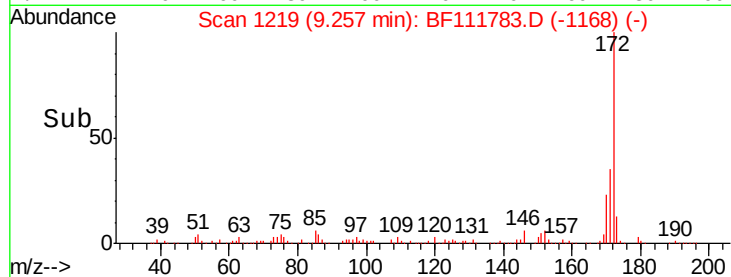
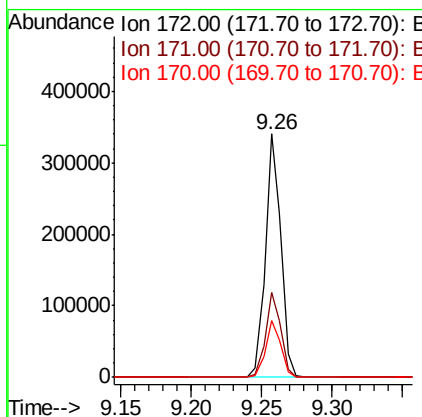
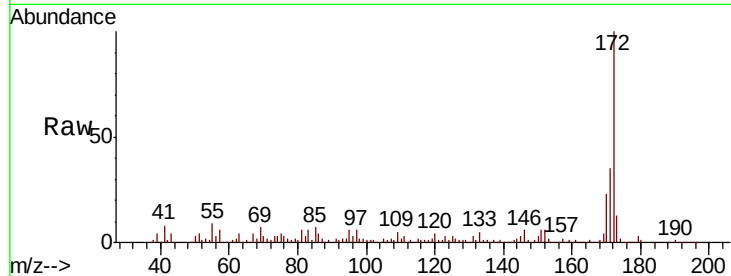
#45
2-Fluorobiphenyl
Concen: 21.644 ng
RT: 9.26 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Instrument :
BNA_F
ClientSampleId :
P001-SS013C-3036-01DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	33.0	49.4
170	23.5	22.3	33.5

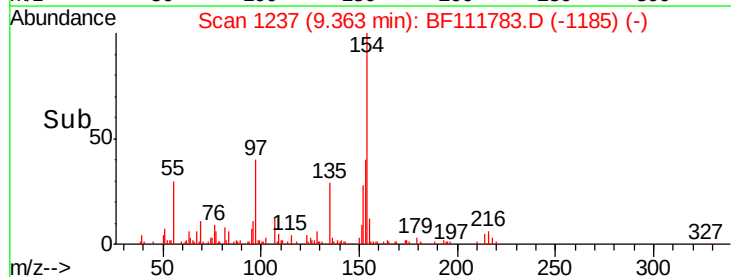
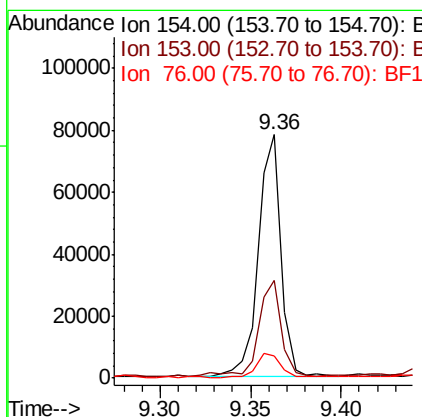
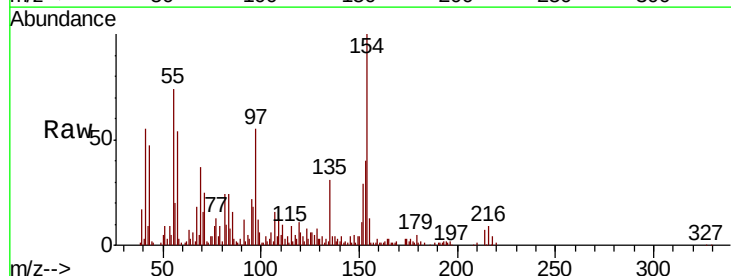
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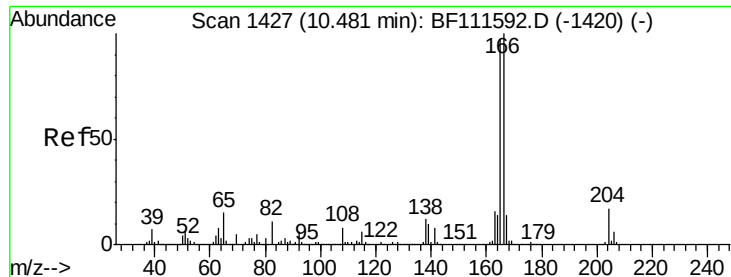
Sohil
12/28/2018 10:37:41 AM



#46
1,1'-Biphenyl
Concen: 4.463 ng
RT: 9.36 min Scan# 1237
Delta R.T. 0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.9	23.7	63.7
76	9.0	0.0	35.0





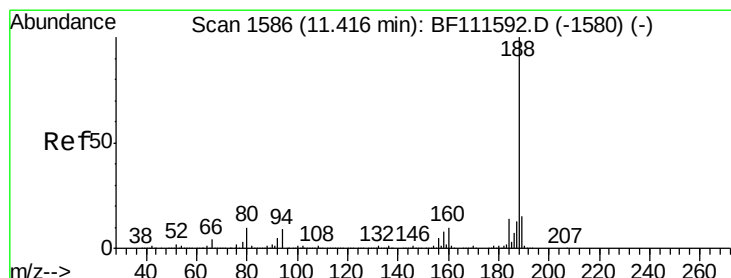
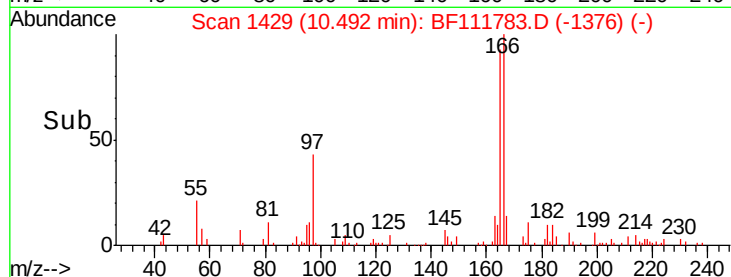
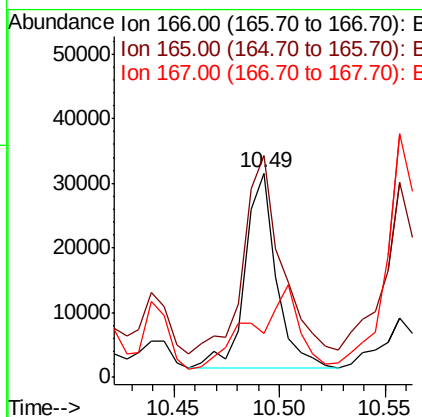
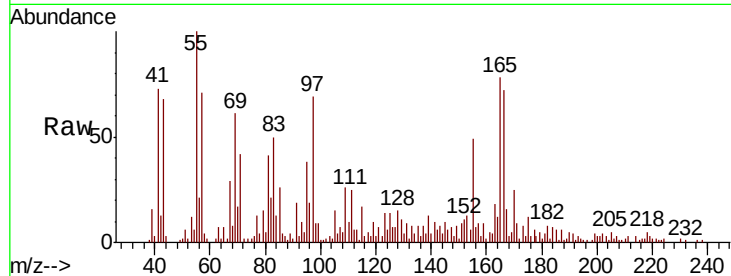
#58
Fluorene
Concen: 2.669 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.01 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Instrument :
BNA_F
ClientSampleId :
P001-SS013C-3036-01DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	108.4	78.4	117.6
167	21.5	11.2	16.8#

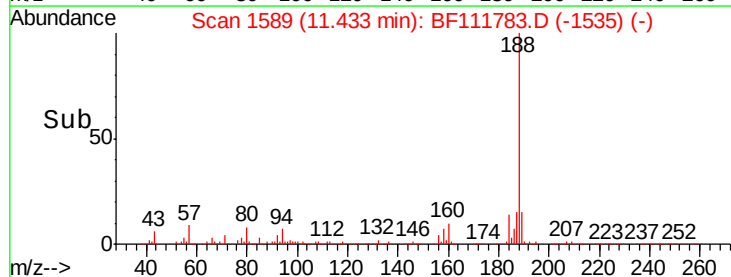
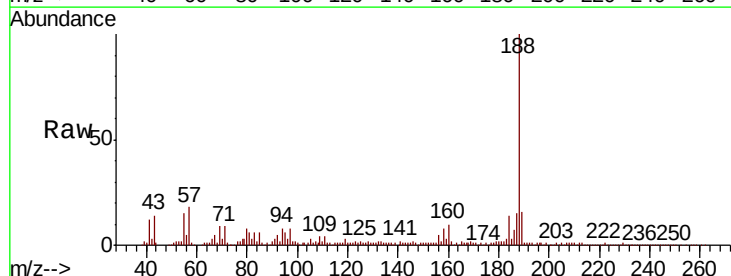
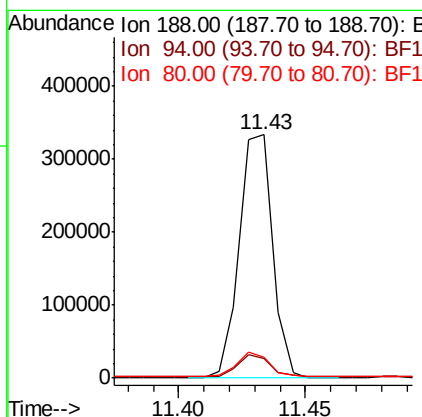
Manual Integrations
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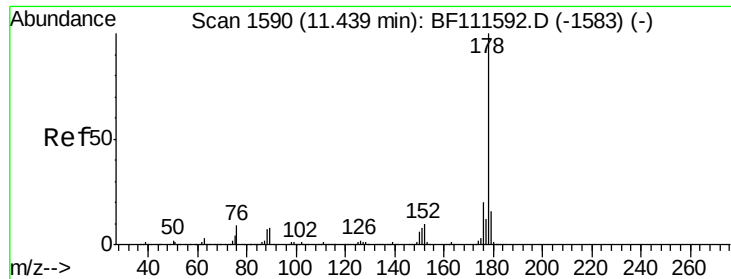
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.02 min
Lab File: BF111783.D
Acq: 28 Dec 2018 1:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	9.6	14.4#
80	8.5	9.8	14.6#





#71

Phenanthrene

Concen: 7.489 ng

RT: 11.46 min Scan# 1593

Delta R.T. 0.02 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

Instrument :

BNA_F

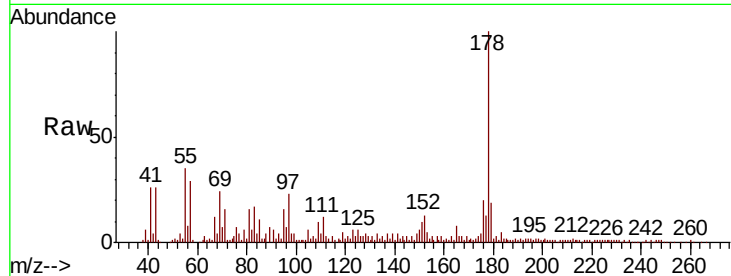
ClientSampleId :

P001-SS013C-3036-01DL

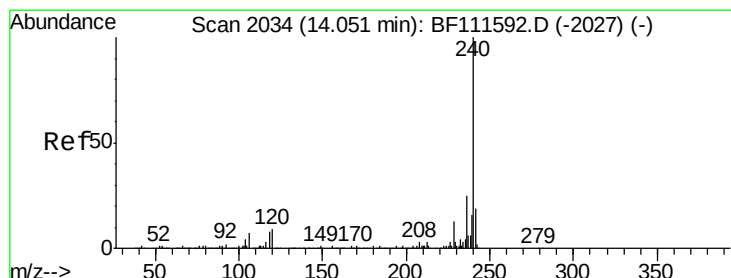
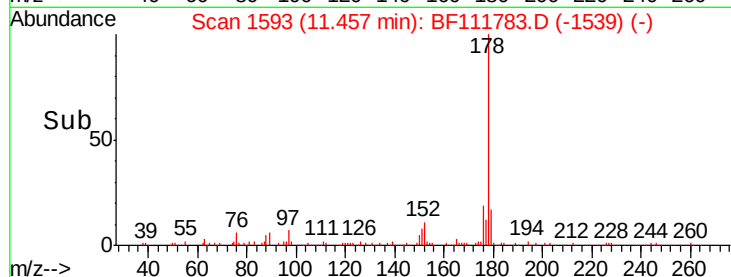
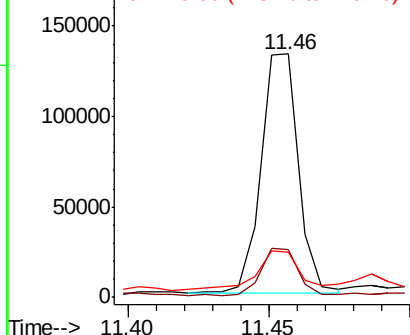
Tot Ion:	178	Resp:	120989
Ion Ratio	Lower	Upper	
178	100		
176	19.7	18.1	27.1
179	18.7	14.0	21.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

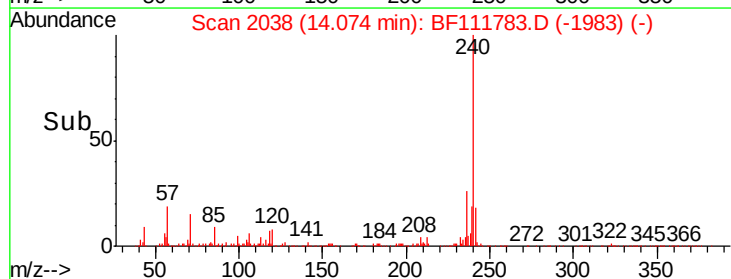
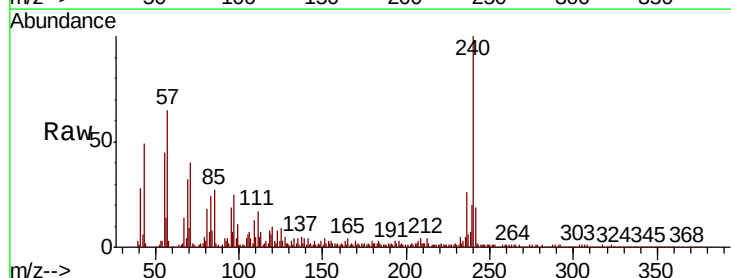
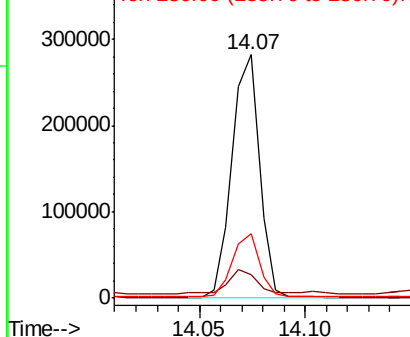
Delta R.T. 0.02 min

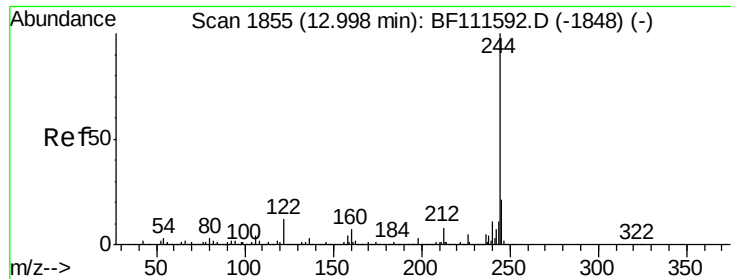
Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

Tgt Ion:	240	Resp:	253706
Ion Ratio	Lower	Upper	
240	100		
120	9.9	12.2	18.2#
236	26.4	20.2	30.2

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





#79

Terphenyl-d14

Concen: 18.420 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

Instrument :

BNA_F

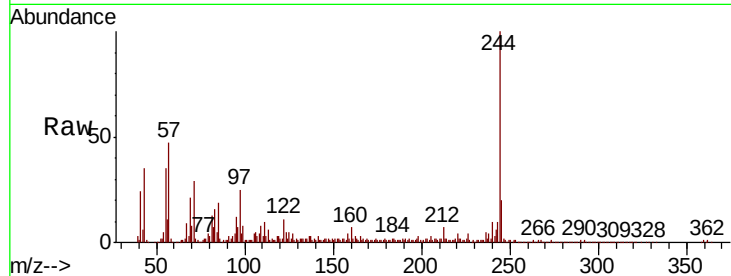
ClientSampleId :

P001-SS013C-3036-01DL

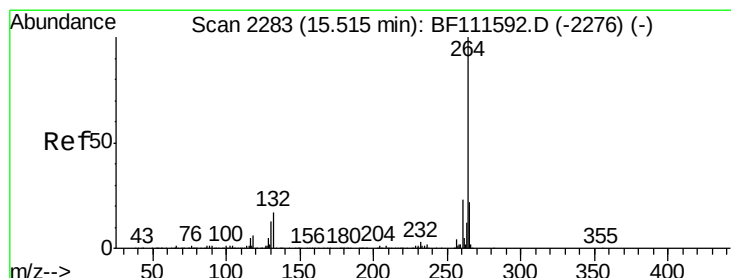
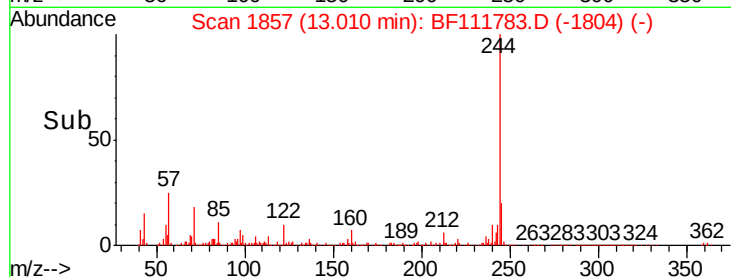
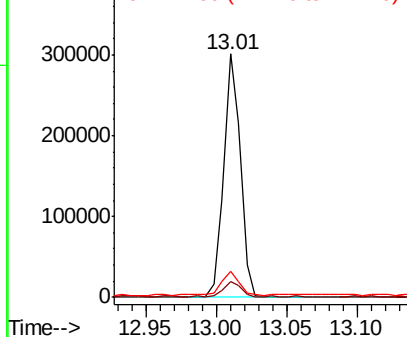
Tot Ion:	244	Resp:	246426
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.7	8.5
122	10.8	13.1	19.7

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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



#87

Perylene-d12

Concen: 20.000 ng

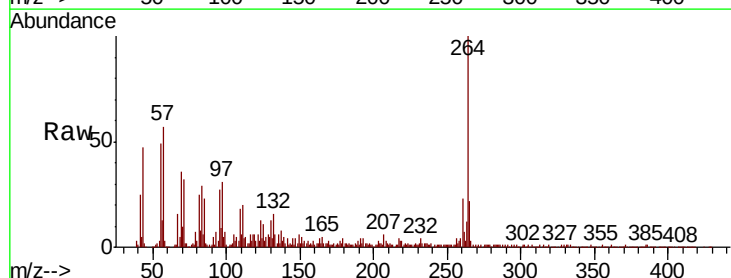
RT: 15.56 min Scan# 2291

Delta R.T. 0.05 min

Lab File: BF111783.D

Acq: 28 Dec 2018 1:31

Tgt Ion:	264	Resp:	196757
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.3	27.5
265	21.7	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

