

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113125.D
 Acq On : 19 Mar 2019 15:05
 Operator : JU/SJ
 Sample : K1970-02 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-2-E.WALL-NORTH

Manual Integrations
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Quant Time: Mar 20 08:09:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	143899	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	410156	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	280713	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	517366	20.00	ng	0.00
76) Chrysene-d12	13.86	240	424719	20.00	ng	0.00
87) Perylene-d12	15.27	264	445606	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	57166	6.18	ng	-0.02
7) Phenol-d6	6.36	99	83314	7.17	ng	-0.01
23) Nitrobenzene-d5	7.28	82	80811	11.79	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	16402	5.50	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	76809	2.19	ng	0.00
79) Terphenyl-d14	12.82	244	92237	4.21	ng	0.00
Target Compounds						
31) Naphthalene	8.03	128	686060	33.691	ng	Qvalue # 96
37) 2-Methylnaphthalene	8.73	142	1313101	99.853	ng	99
38) 1-Methylnaphthalene	8.83	142	859008m	67.433	ng	
46) 1,1'-Biphenyl	9.19	154	149661	6.536	ng	98
52) Acenaphthene	9.80	154	85773	4.832	ng	# 75
58) Fluorene	10.31	166	207396m	11.327	ng	
71) Phenanthrene	11.27	178	545717	21.200	ng	96
78) Pyrene	12.67	202	88104	2.461	ng	# 94

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

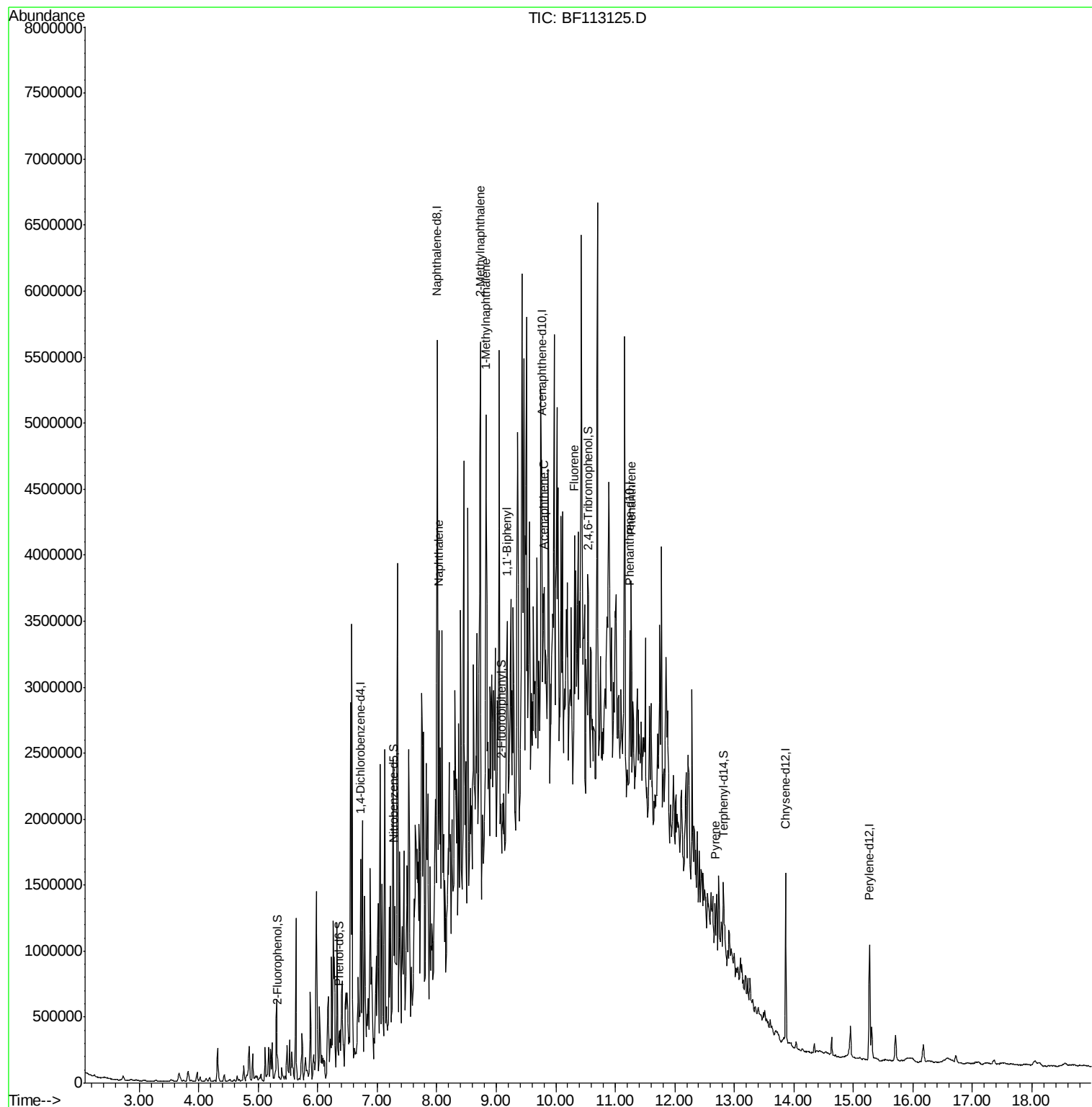
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113125.D
Acq On : 19 Mar 2019 15:05
Operator : JU/SJ
Sample : K1970-02 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

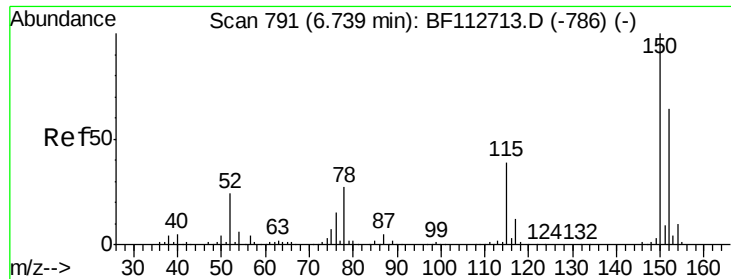
Instrument :
BNA_F
ClientSampleId :
P-2-E.WALL-NORTH

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#1

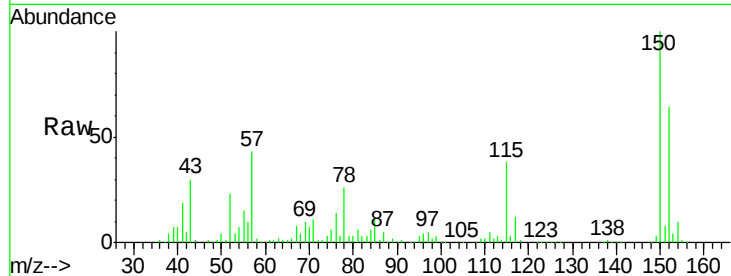
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113125.D
Acq: 19 Mar 2019 15:05

Instrument :
BNA_F
ClientSampleId :
P-2-E.WALL-NORTH

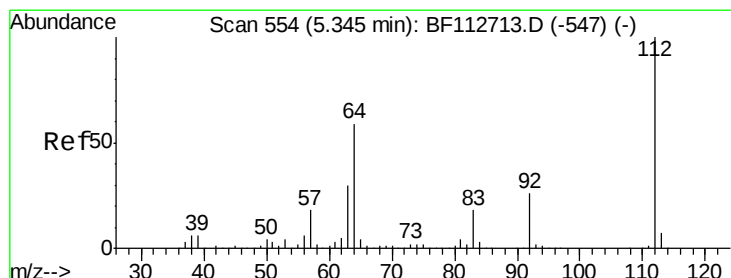
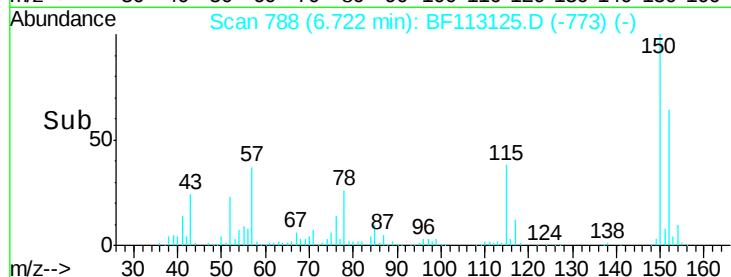
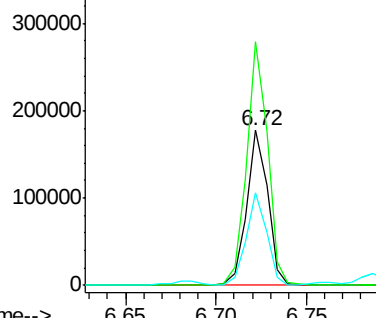
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	143899		
150	156.9	124.2	186.2	
115	59.3	48.2	72.4	

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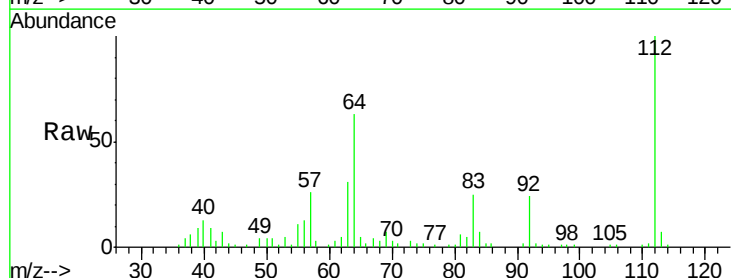
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



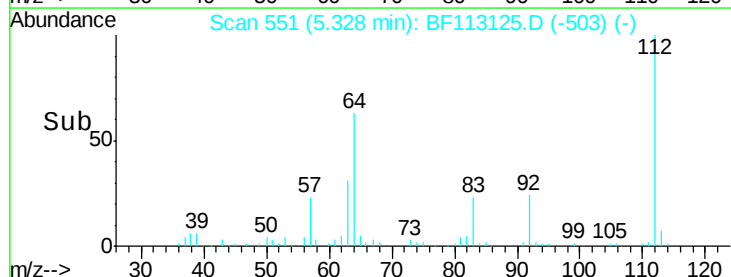
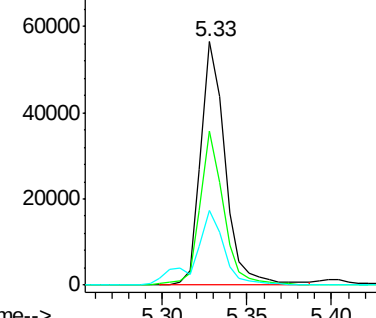
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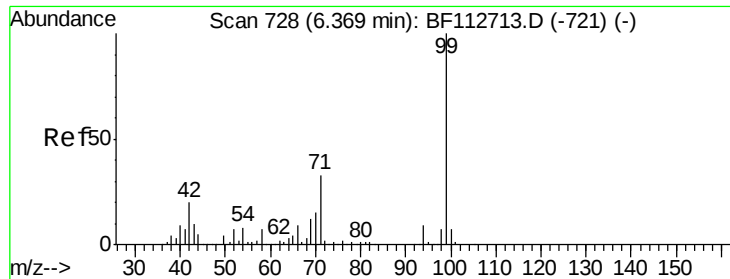
2-Fluorophenol
Concen: 6.180 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF113125.D
Acq: 19 Mar 2019 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	57166		
64	63.1	47.6	71.4	
63	30.6	24.4	36.6	



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: 7.170 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113125.D

Acq: 19 Mar 2019 15:05

Instrument :

BNA_F

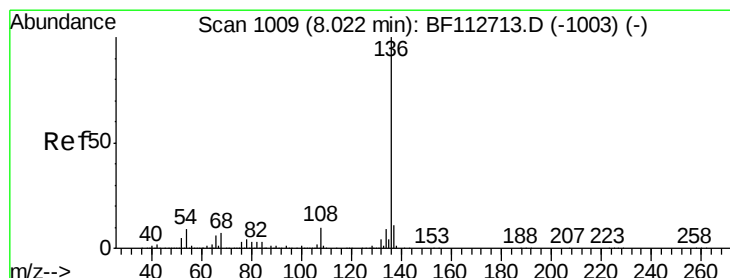
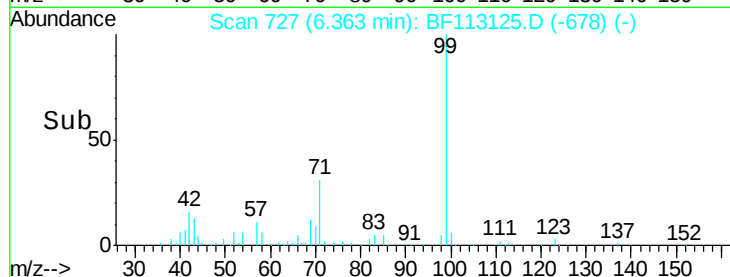
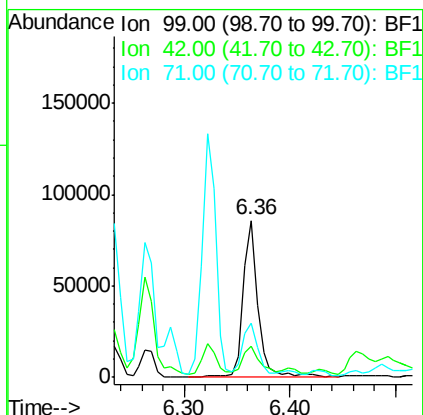
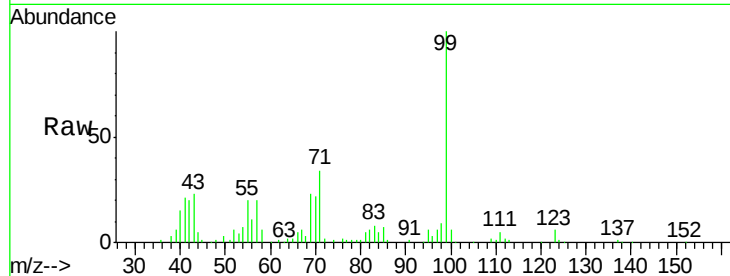
ClientSampleId :

P-2-E.WALL-NORTH

Tgt Ion:	99	Resp:	83314
Ion Ratio	Lower	Upper	
99	100		
42	19.9	16.3	24.5
71	34.4	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

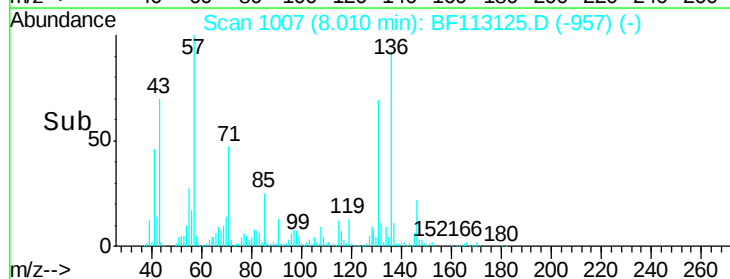
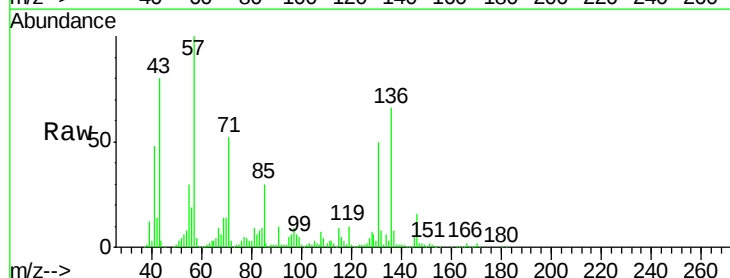
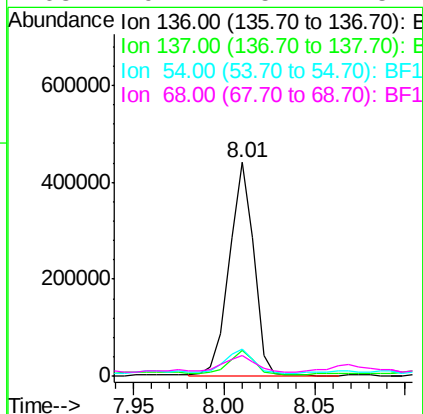
RT: 8.01 min Scan# 1007

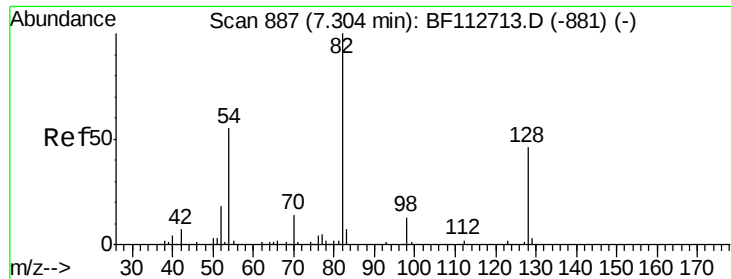
Delta R.T. -0.01 min

Lab File: BF113125.D

Acq: 19 Mar 2019 15:05

Tgt Ion:	136	Resp:	410156
Ion Ratio	Lower	Upper	
136	100		
137	12.3	8.9	13.3
54	12.4	7.3	10.9#
68	9.7	5.4	8.2#





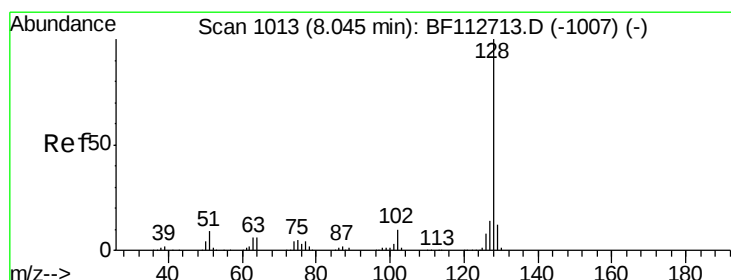
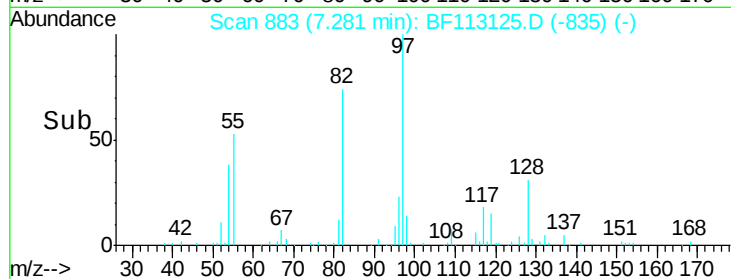
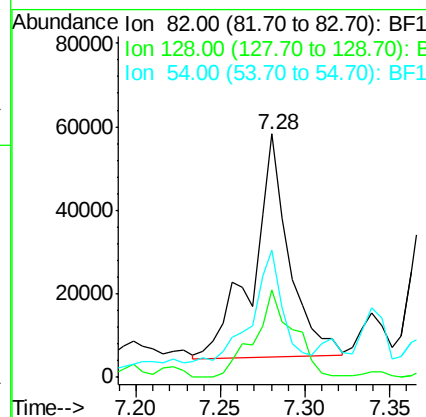
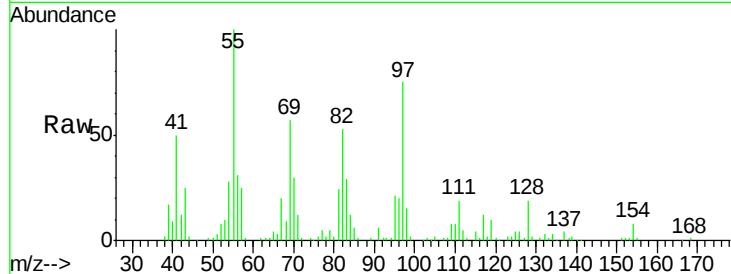
#23
Nitrobenzene-d5
Concen: 11.790 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113125.D
Acq: 19 Mar 2019 15:05

Instrument :
BNA_F
ClientSampleId :
P-2-E.WALL-NORTH

Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.9	36.3	54.5#
54	52.3	43.7	65.5

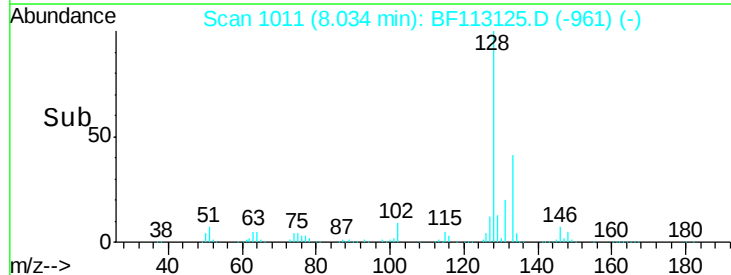
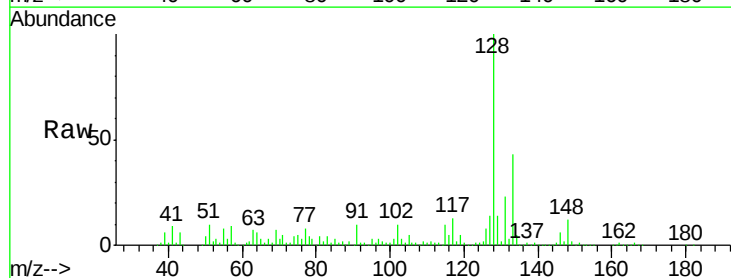
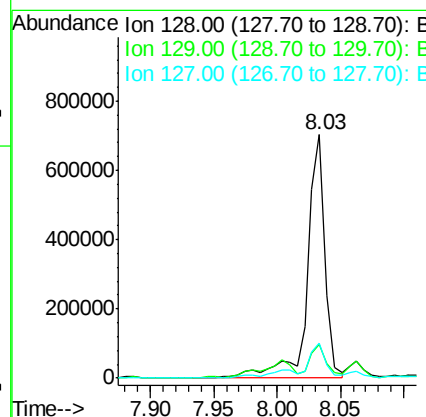
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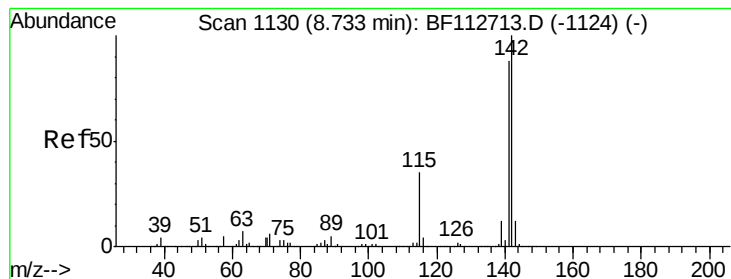
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#31
Naphthalene
Concen: 33.691 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF113125.D
Acq: 19 Mar 2019 15:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.0	9.3	13.9#
127	14.5	10.9	16.3





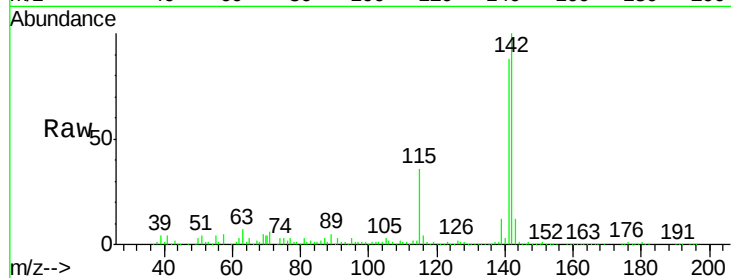
#37
2-Methylnaphthalene
Concen: 99.853 ng
RT: 8.73 min Scan# 1130
Delta R.T. 0.01 min
Lab File: BF113125.D
Acq: 19 Mar 2019 15:05

Instrument :
BNA_F
ClientSampleId :
P-2-E.WALL-NORTH

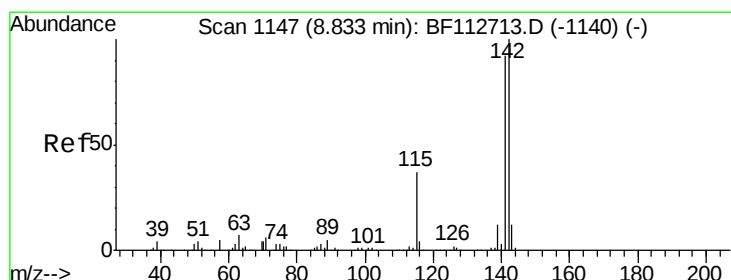
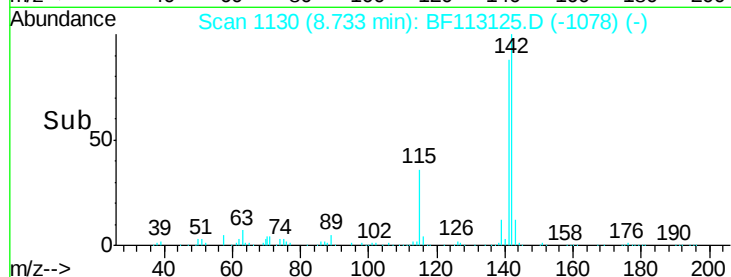
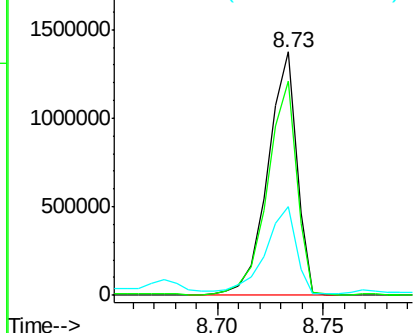
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.3	105.5
115	36.4	27.8	41.6

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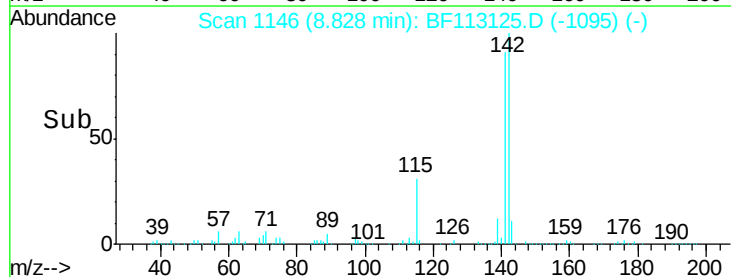
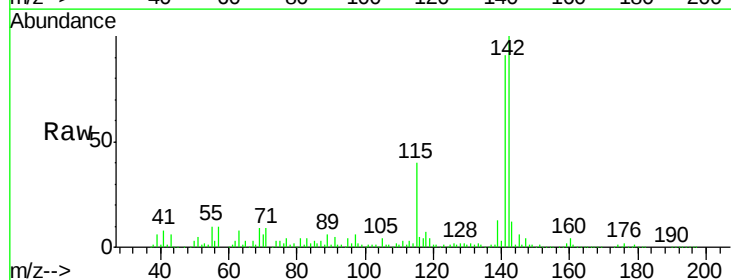
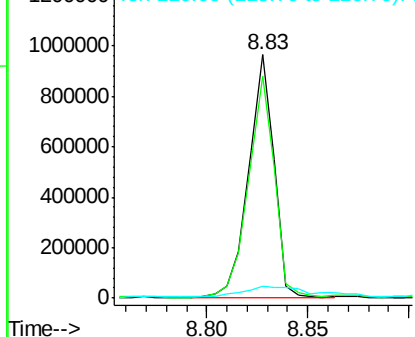
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

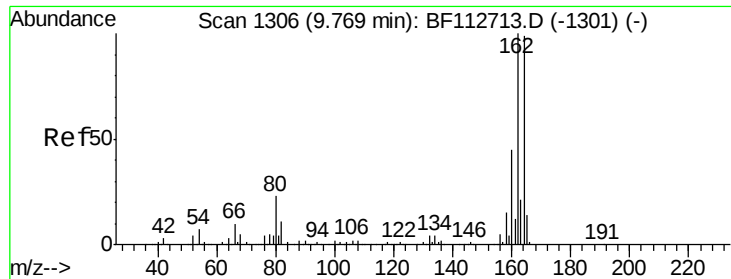


#38
1-Methylnaphthalene
Concen: 67.433 ng m
RT: 8.83 min Scan# 1146
Delta R.T. -0.00 min
Lab File: BF113125.D
Acq: 19 Mar 2019 15:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.7	110.5
116	5.0	3.1	4.7#

Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





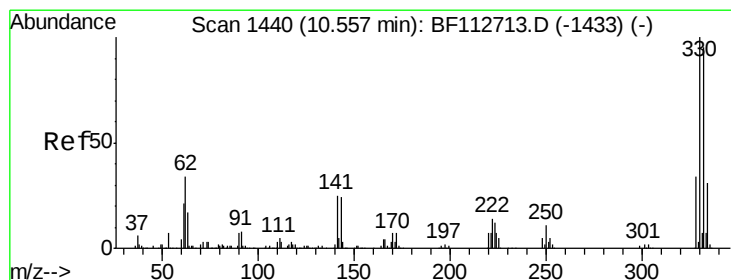
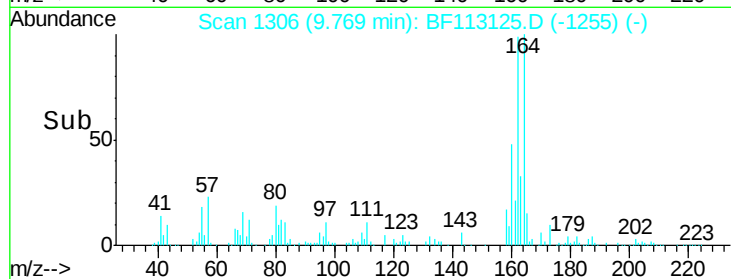
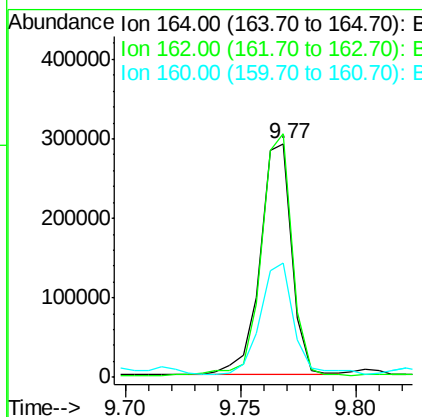
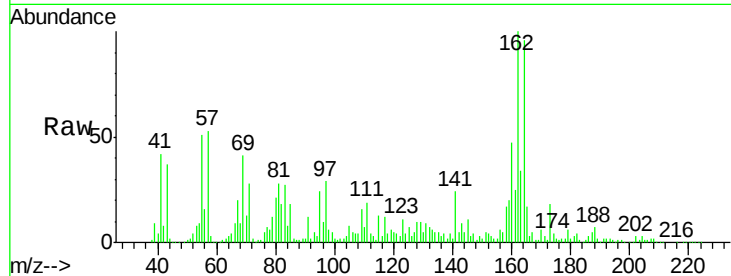
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF113125.D
Acq: 19 Mar 2019 15:05

Instrument :
BNA_F
ClientSampleId :
P-2-E.WALL-NORTH

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	280713		
162	104.3	80.6	120.8	
160	49.0	36.0	54.0	

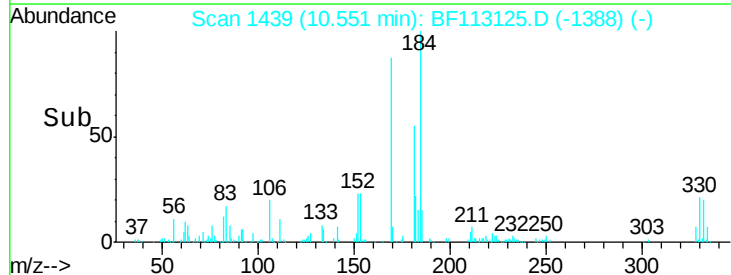
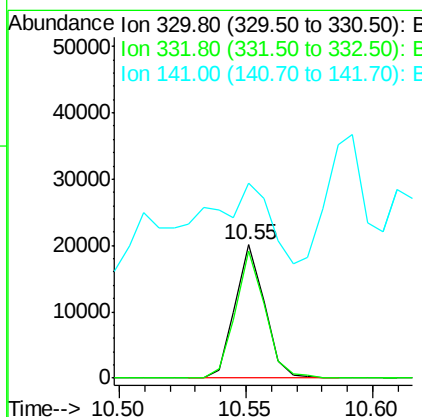
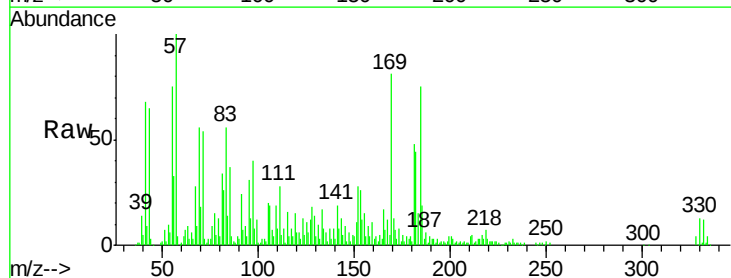
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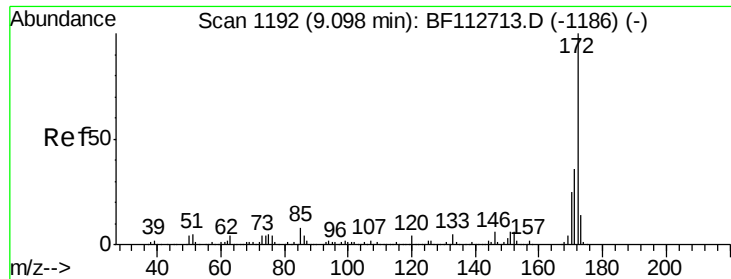
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#42
2,4,6-Tribromophenol
Concen: 5.504 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BF113125.D
Acq: 19 Mar 2019 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	16402		
332	95.4	76.2	114.4	
141	119.2	27.0	40.6#	





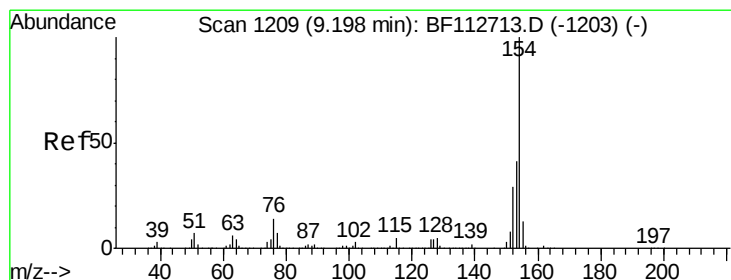
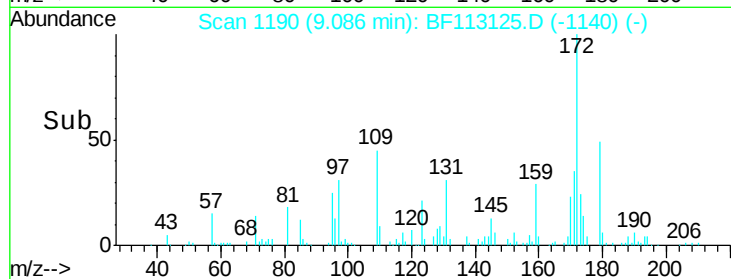
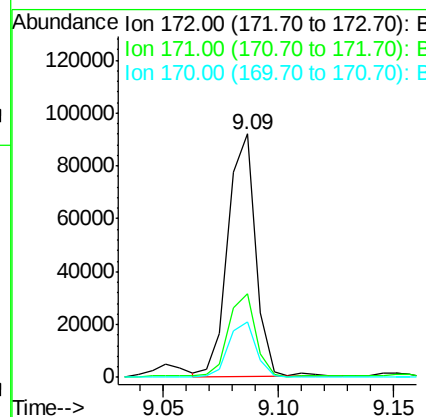
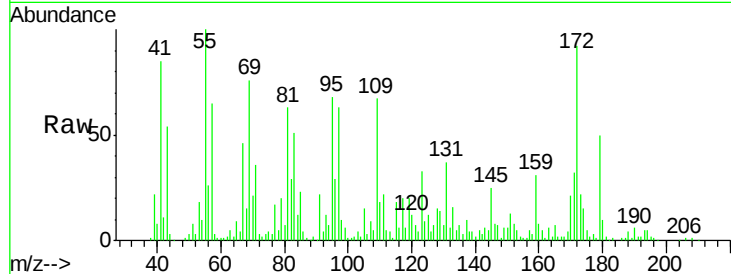
#45
 2-Fluorobiphenyl
 Concen: 2.191 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF113125.D
 Acq: 19 Mar 2019 15:05

Instrument :
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 P-2-E.WALL-NORTH

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.0	43.4
170	22.6	20.0	30.0

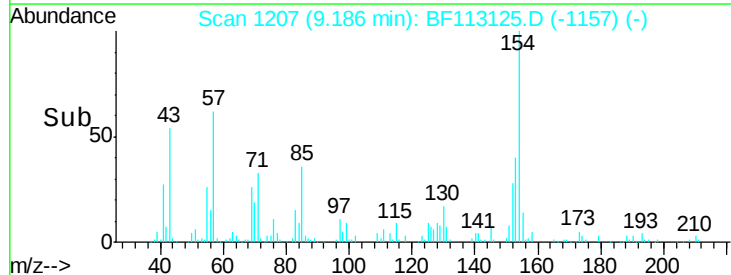
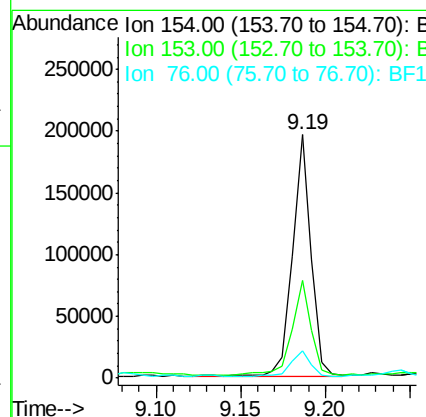
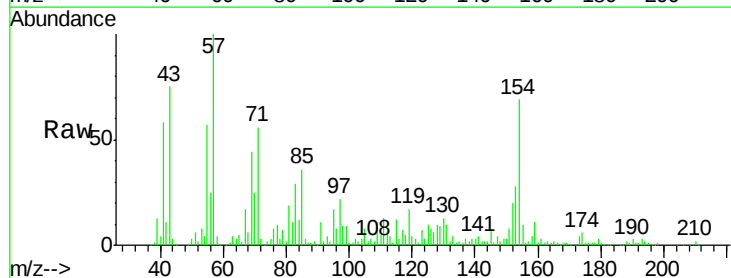
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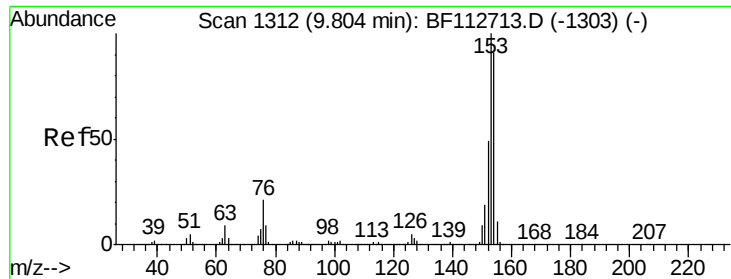
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#46
 1,1'-Biphenyl
 Concen: 6.536 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF113125.D
 Acq: 19 Mar 2019 15:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.8	60.8
76	11.4	0.0	33.8





#52

Acenaphthene

Concen: 4.832 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF113125.D

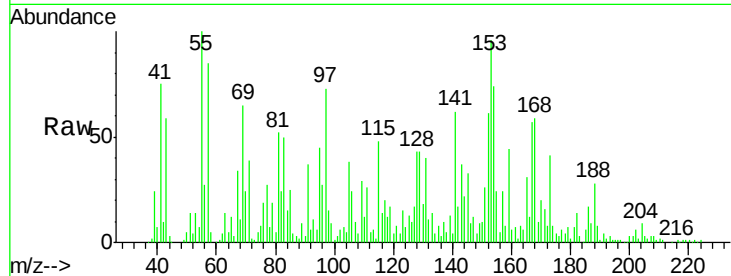
Acq: 19 Mar 2019 15:05

Instrument :

BNA_F

ClientSampleId :

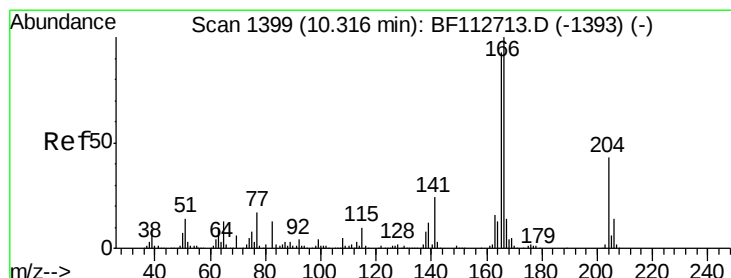
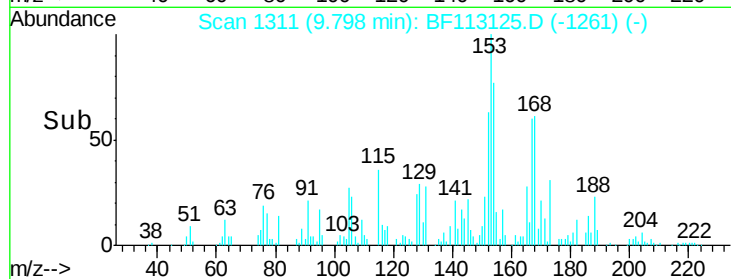
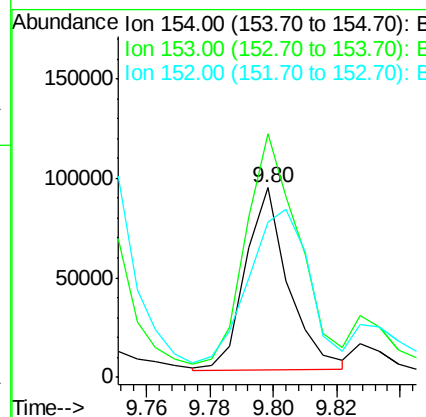
P-2-E.WALL-NORTH



Tgt Ion:	154	Resp:	85773
Ion Ratio	Lower	Upper	
154	100		
153	128.6	87.8	131.8
152	82.4	43.0	64.6

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#58

Fluorene

Concen: 11.327 ng m

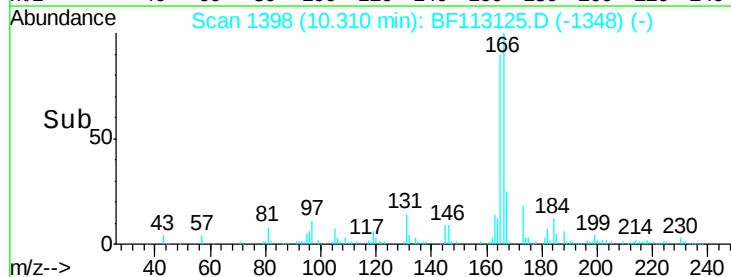
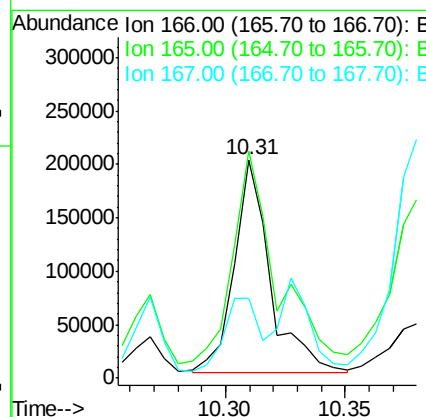
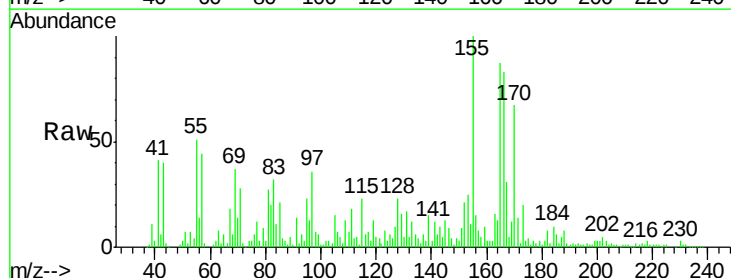
RT: 10.31 min Scan# 1398

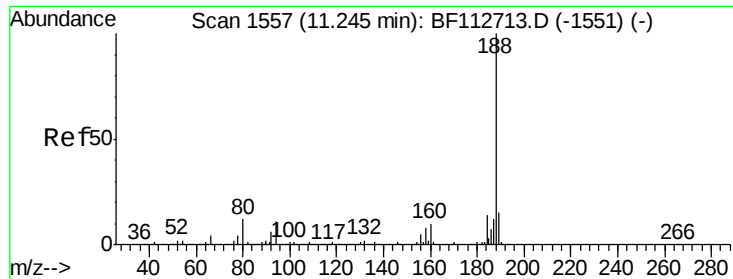
Delta R.T. -0.01 min

Lab File: BF113125.D

Acq: 19 Mar 2019 15:05

Tgt Ion:	166	Resp:	207396
Ion Ratio	Lower	Upper	
166	100		
165	104.1	74.7	112.1
167	36.7	11.0	16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BF113125.D

Acq: 19 Mar 2019 15:05

Instrument :

BNA_F

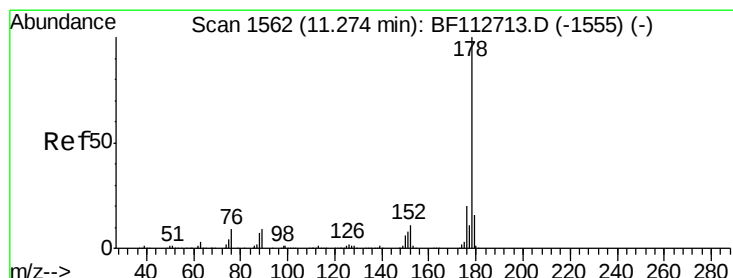
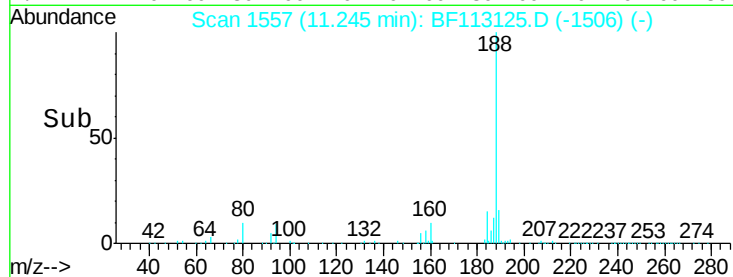
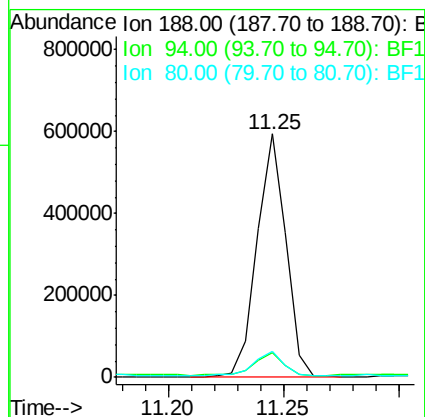
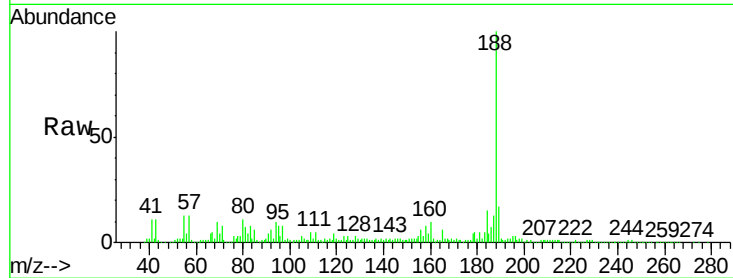
ClientSampleId :

P-2-E.WALL-NORTH

Tgt Ion:	188	Resp:	517366
Ion Ratio		Lower	Upper
188	100		
94	10.1	9.0	13.4
80	10.5	9.2	13.8

Manual Integrations
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#71

Phenanthrene

Concen: 21.200 ng

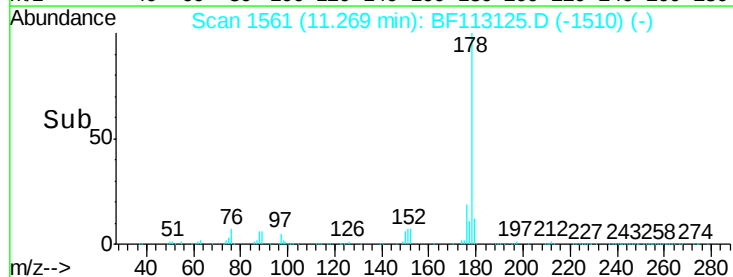
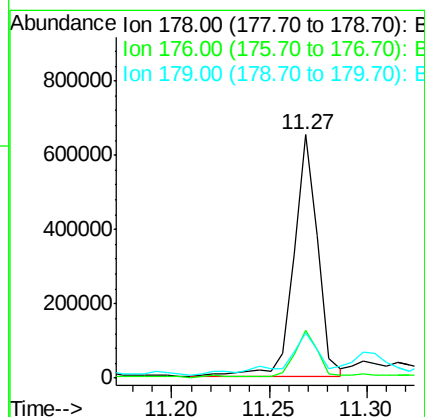
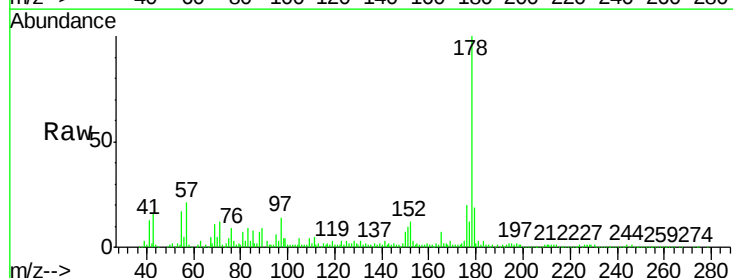
RT: 11.27 min Scan# 1561

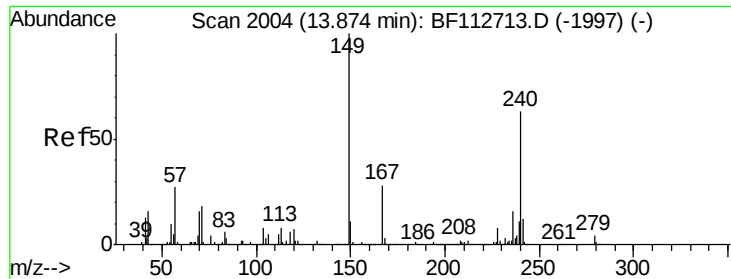
Delta R.T. -0.00 min

Lab File: BF113125.D

Acq: 19 Mar 2019 15:05

Tgt Ion:	178	Resp:	545717
Ion Ratio		Lower	Upper
178	100		
176	19.8	16.3	24.5
179	18.5	12.7	19.1





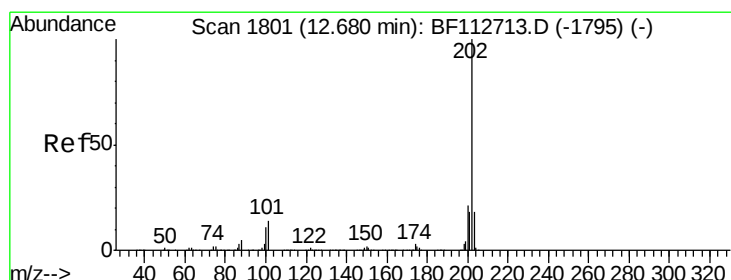
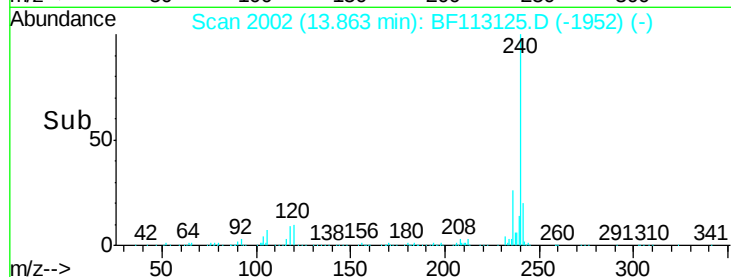
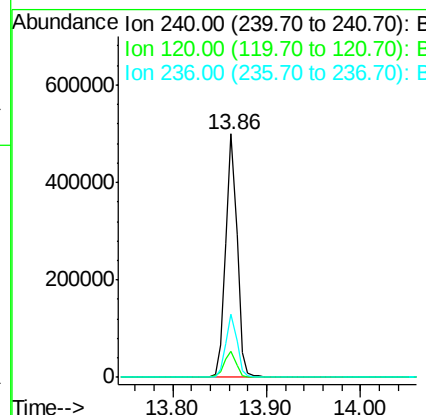
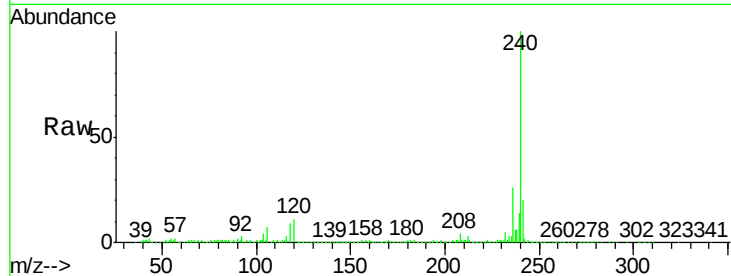
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113125.D
Acq: 19 Mar 2019 15:05

Instrument :
BNA_F
ClientSampleId :
P-2-E.WALL-NORTH

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	424719		
120	10.8	8.9	13.3	
236	25.7	20.7	31.1	

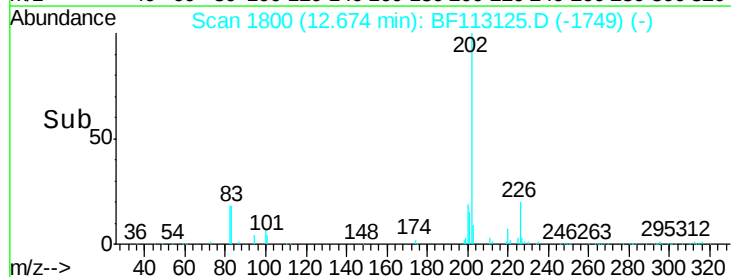
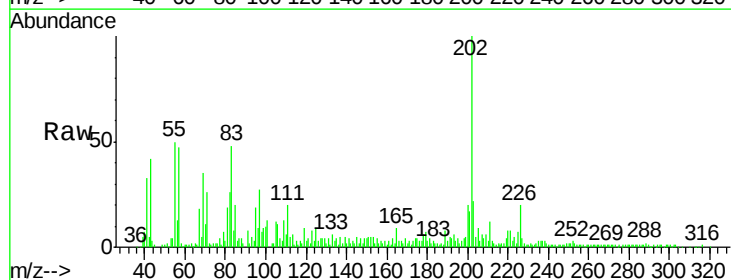
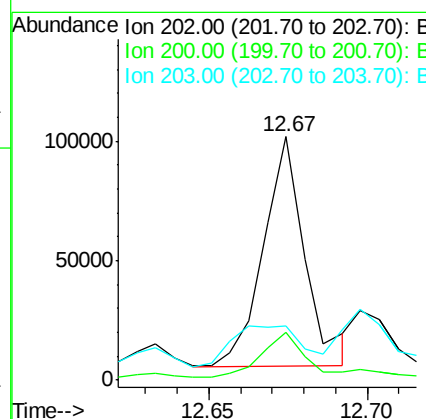
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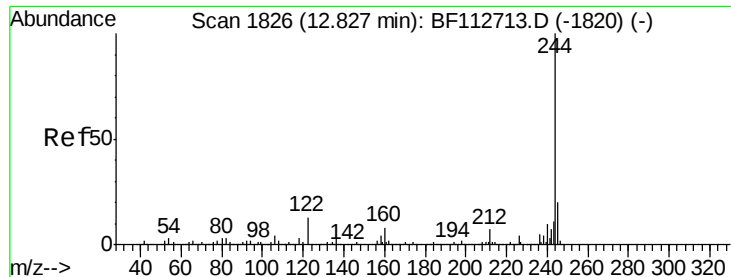
Sohil
3/20/2019 6:51:20 PM



#78
Pyrene
Concen: 2.461 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF113125.D
Acq: 19 Mar 2019 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	88104		
200	19.6	17.0	25.4	
203	22.3	14.4	21.6	





#79

Terphenyl-d14

Concen: 4.210 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113125.D

Acq: 19 Mar 2019 15:05

Instrument :

BNA_F

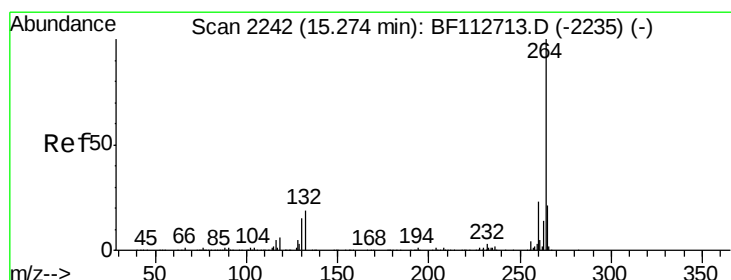
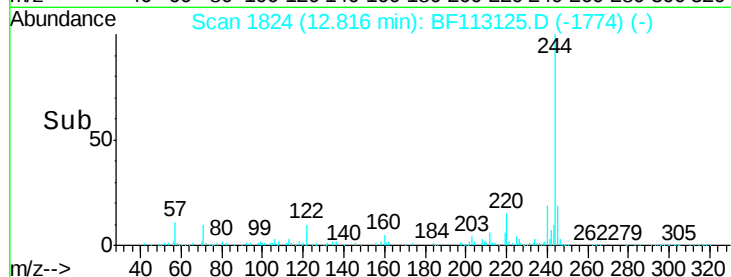
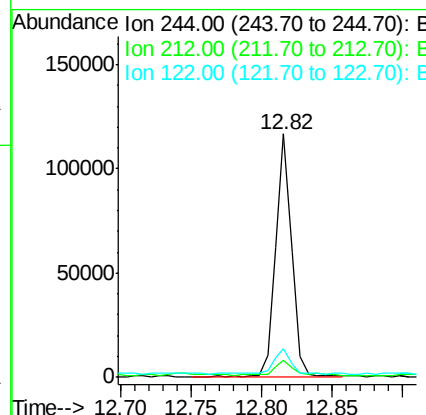
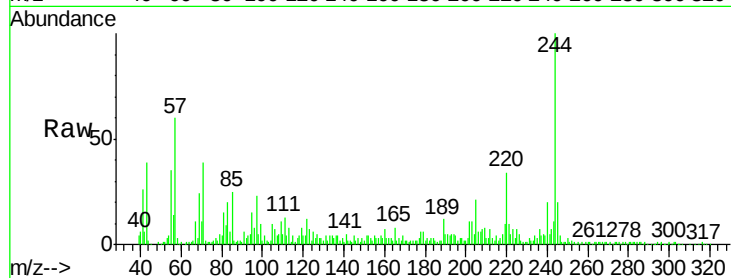
ClientSampleId :

P-2-E.WALL-NORTH

Tgt Ion:	244	Resp:	92237
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.6	8.4
122	11.7	10.5	15.7

Manual Integrations
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3/20/2019 6:51:20 PM



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF113125.D

Acq: 19 Mar 2019 15:05

Tgt Ion:	264	Resp:	445606
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.7	28.1
265	21.8	17.2	25.8

