

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111731.D
 Acq On : 26 Dec 2018 23:19
 Operator : JU/SJ
 Sample : J6389-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013-1824-01

Manual Integrations
 APPROVED

Sohil
 12/27/2018 8:22:37 AM

Quant Time: Dec 27 05:39:54 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	6.92	152	152584	20.00	ng	0.02
21) Naphthalene-d8	8.20	136	340005m	20.00	ng	0.02
39) Acenaphthene-d10	9.97	164	183359	20.00	ng	0.04
64) Phenanthrene-d10	11.47	188	276814	20.00	ng	0.05
76) Chrysene-d12	14.12	240	175456	20.00	ng	0.06
87) Perylene-d12	15.63	264	161061	20.00	ng	0.12
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	195250	21.81	ng	0.06
7) Phenol-d6	6.54	99	438383	38.48	ng	0.02
23) Nitrobenzene-d5	7.46	82	486254	83.25	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	143527	66.25	ng	0.05
45) 2-Fluorobiphenyl	9.28	172	579197	46.04	ng	0.02
79) Terphenyl-d14	13.05	244	444658	48.06	ng	0.05
Target Compounds						
10) Phenol	6.55	94	58924	4.584	ng	82
20) 3+4-Methylphenols	7.31	107	111738	11.137	ng	# 55
30) 1,2,4-Trichlorobenzene	8.15	180	957273	163.174	ng	99
31) Naphthalene	8.23	128	1996380	122.202	ng	98
37) 2-Methylnaphthalene	8.92	142	1474757	138.751	ng	# 96
38) 1-Methylnaphthalene	9.02	142	955040	93.558	ng	# 98
40) 1,2,4,5-Tetrachlorobenzene	9.09	216	245035	40.669	ng	# 87
46) 1,1'-Biphenyl	9.39	154	224024	14.473	ng	94
71) Phenanthrene	11.50	178	757120	51.573	ng	# 92
75) Fluoranthene	12.69	202	137538	9.252	ng	73
78) Pyrene	12.92	202	343915	27.757	ng	# 92
81) Benzo(a)anthracene	14.11	228	52867	5.280	ng	# 38
83) Chrysene	14.14	228	60568	6.154	ng	# 62
92) Benzo(a,h,i)perylene	17.62	276	48547	6.639	ng	# 50

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

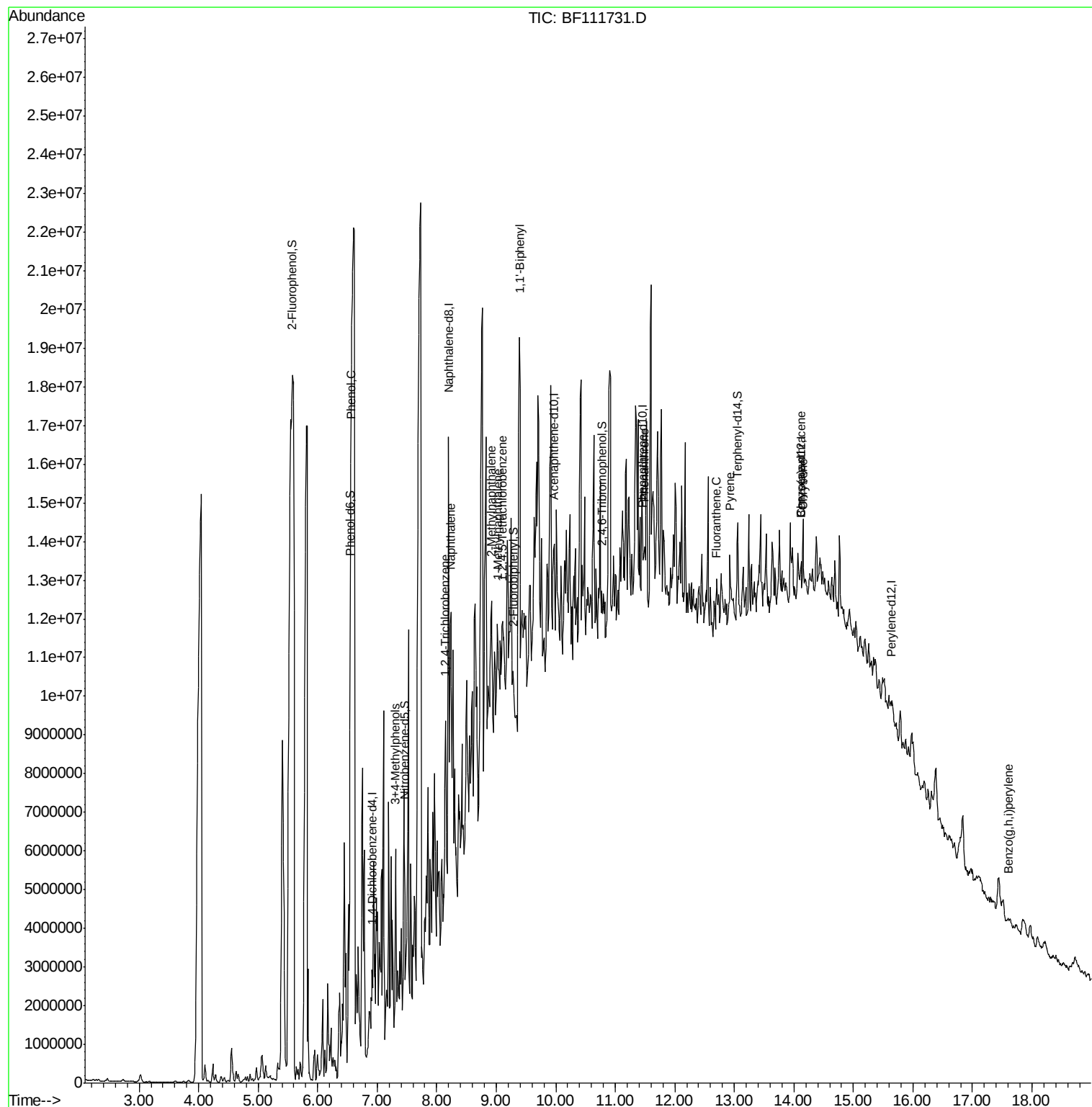
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
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ALS Vial : 13 Sample Multiplier: 1

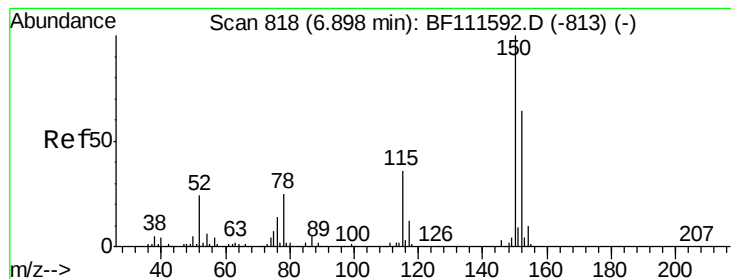
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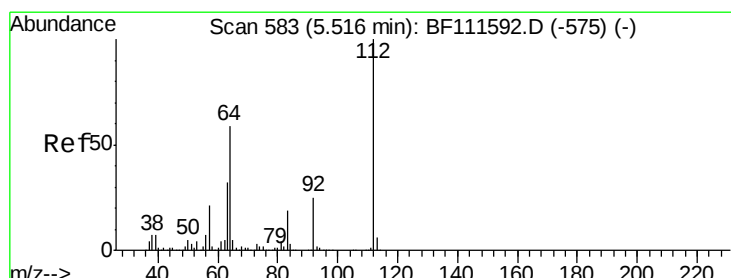
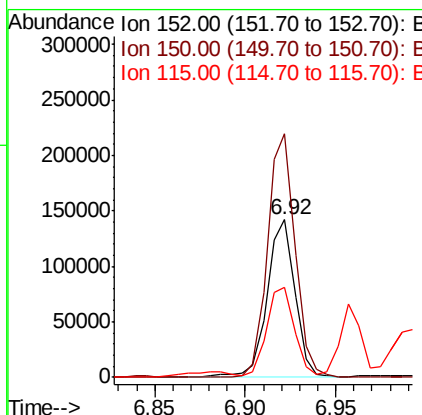
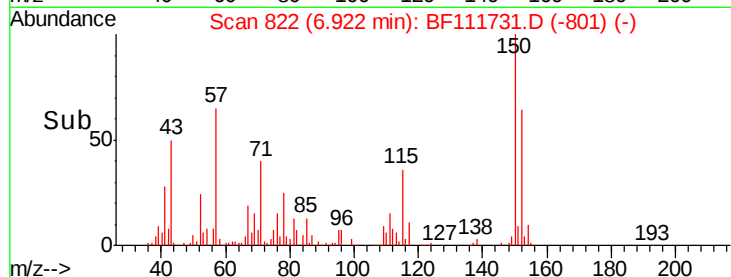
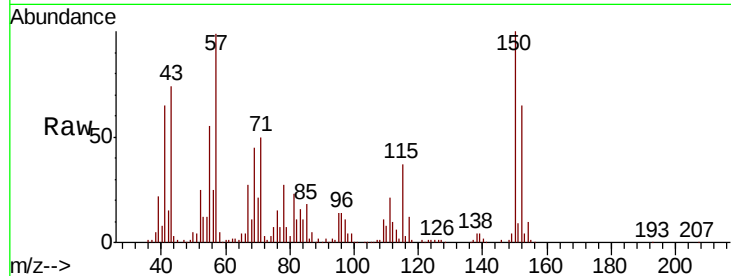
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.92 min Scan# 822
 Delta R.T. 0.02 min
 Lab File: BF111731.D
 Acq: 26 Dec 2018 23:19

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013-1824-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.6	189.8
115	56.9	50.7	76.1

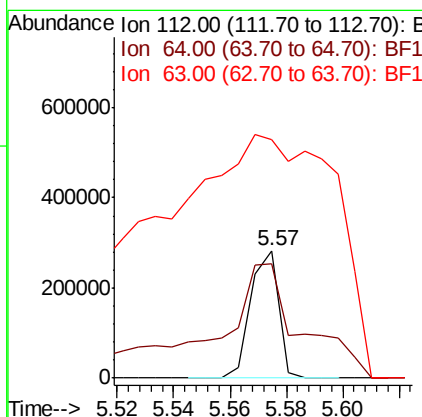
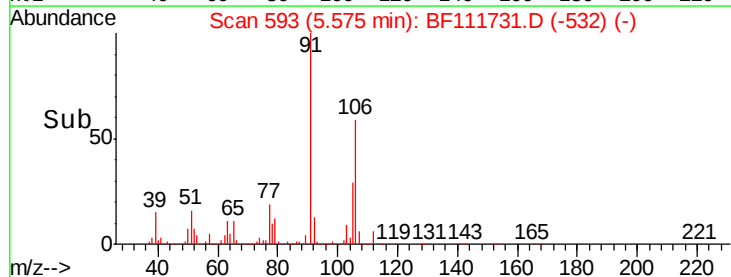
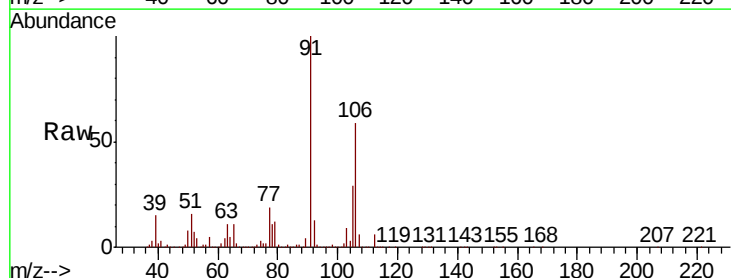
Manual Integrations
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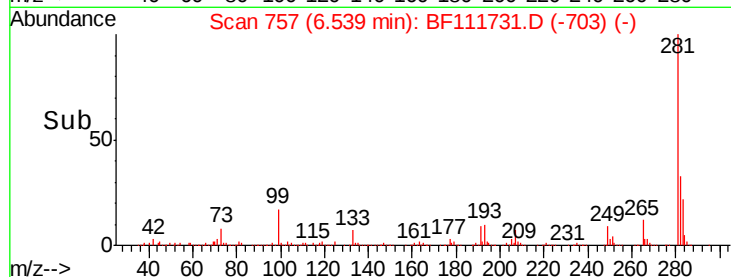
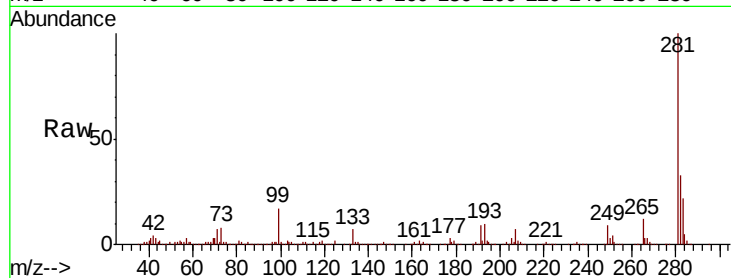
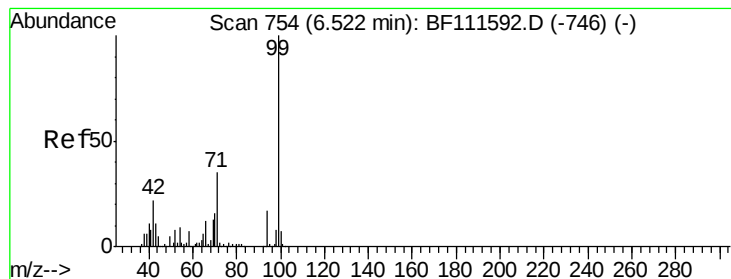
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#5
 2-Fluorophenol
 Concen: 21.812 ng
 RT: 5.57 min Scan# 593
 Delta R.T. 0.06 min
 Lab File: BF111731.D
 Acq: 26 Dec 2018 23:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	89.1	51.8	77.6#
63	186.3	26.8	40.2#





#7

Phenol-d6

Concen: 38.481 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111731.D

Acq: 26 Dec 2018 23:19

Tot Ion	99	Resp	438383
Ion Ratio	Lower	Upper	
99	100		
42	21.8	17.4	26.0
71	38.6	26.1	39.1

Instrument :

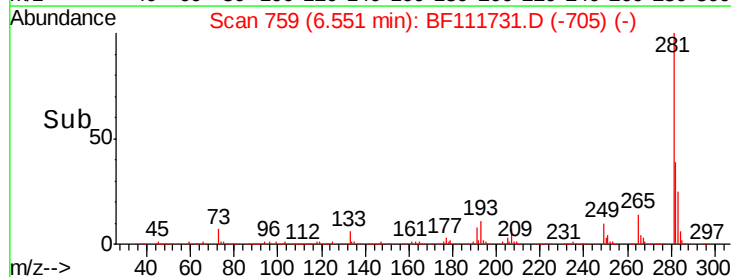
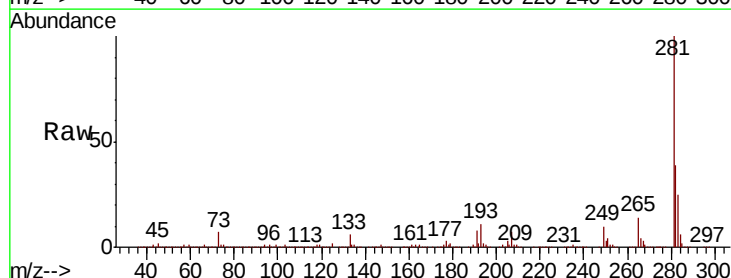
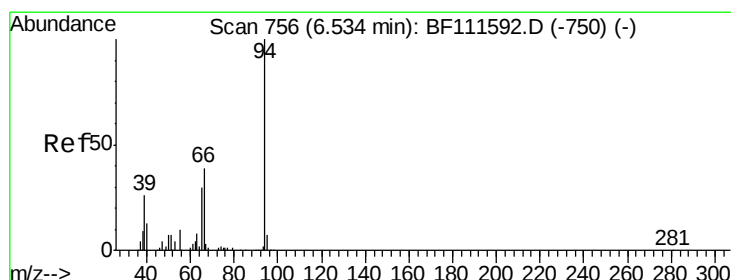
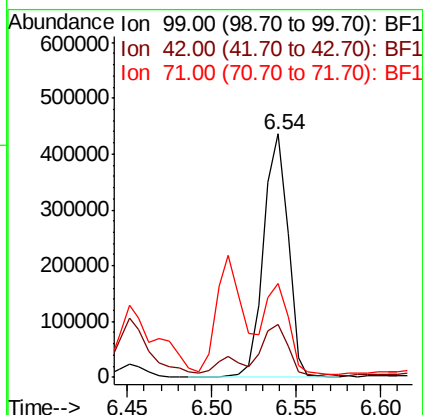
BNA_F

ClientSampleId :

P001-SS013-1824-01

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#10

Phenol

Concen: 4.584 ng

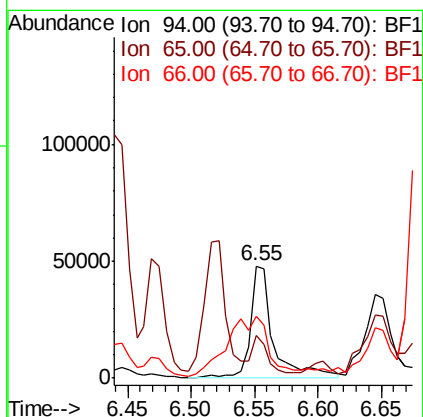
RT: 6.55 min Scan# 759

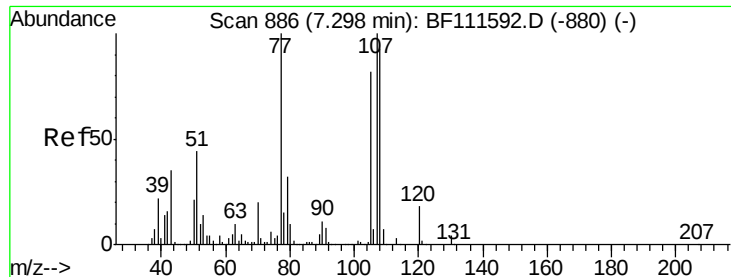
Delta R.T. 0.02 min

Lab File: BF111731.D

Acq: 26 Dec 2018 23:19

Tgt Ion	94	Resp	58924
Ion Ratio	Lower	Upper	
94	100		
65	38.4	11.7	51.7
66	55.6	21.0	61.0





#20

3+4-Methylphenols

Concen: 11.137 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.01 min

Lab File: BF111731.D

Acq: 26 Dec 2018 23:19

Instrument :

BNA_F

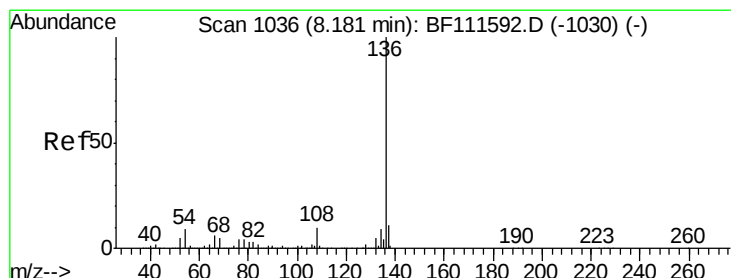
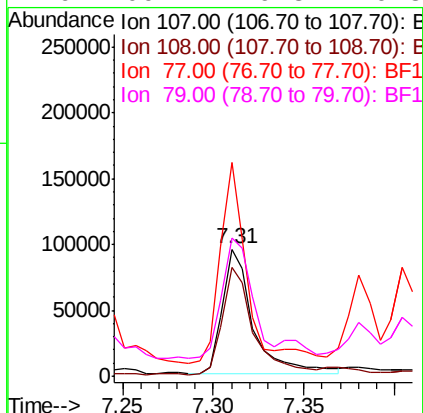
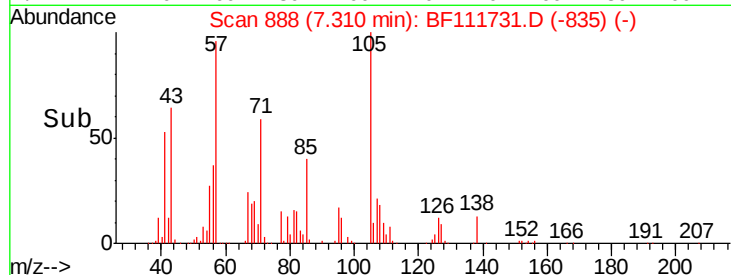
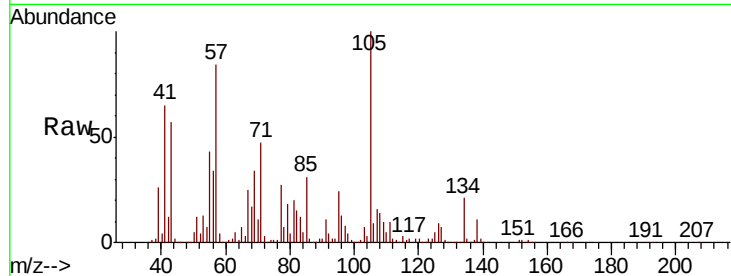
ClientSampleId :

P001-SS013-1824-01

Tot Ion	Ratio	Lower	Upper
107	100		
108	85.9	72.1	112.1
77	168.2	94.1	134.1#
79	109.4	9.8	49.8#

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#21

Naphthalene-d8

Concen: 20.000 ng m

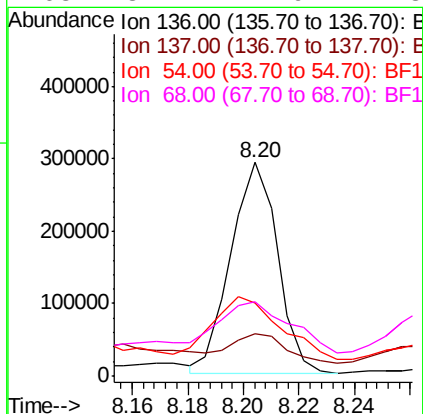
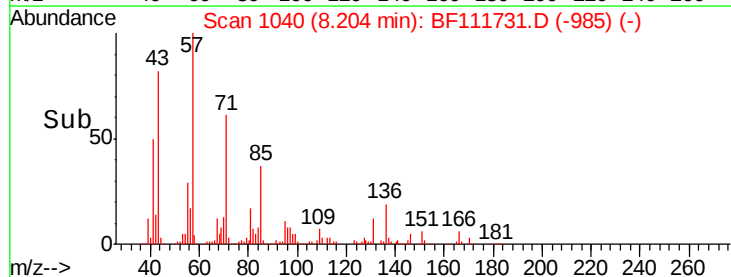
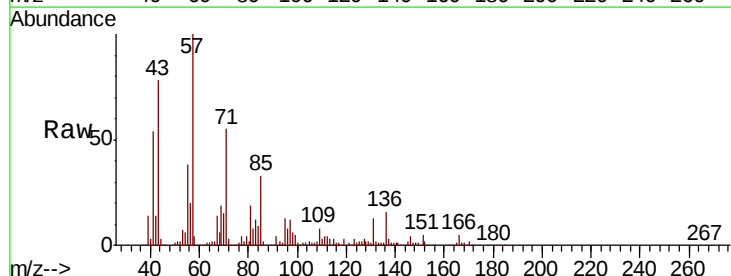
RT: 8.20 min Scan# 1040

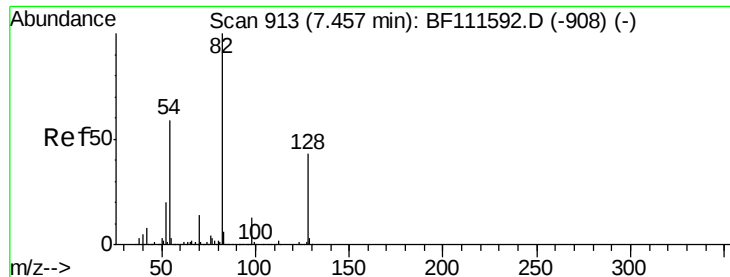
Delta R.T. 0.02 min

Lab File: BF111731.D

Acq: 26 Dec 2018 23:19

Tgt Ion	Ratio	Lower	Upper
136	100		
137	20.0	9.1	13.7#
54	34.4	7.7	11.5#
68	34.7	4.9	7.3#





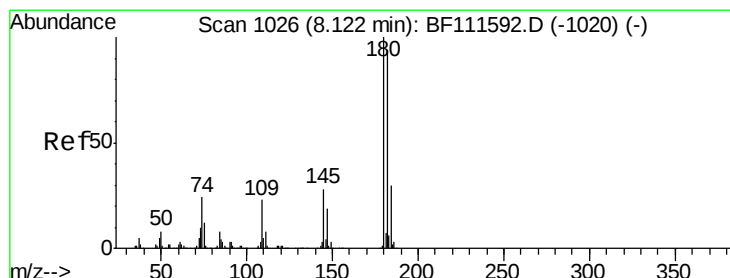
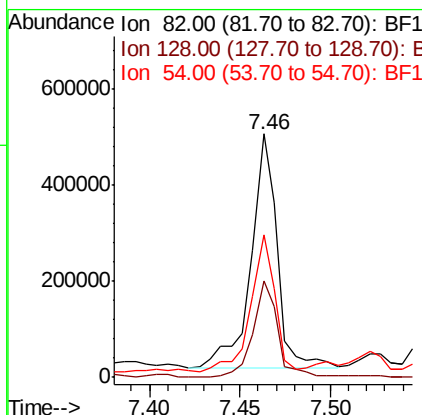
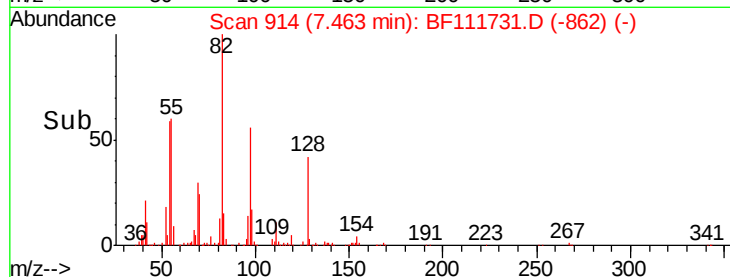
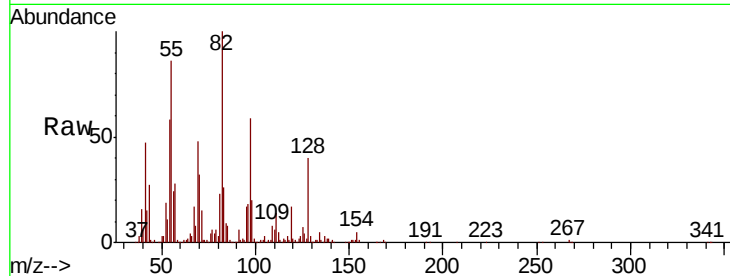
#23
Nitrobenzene-d5
Concen: 83.245 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.01 min
Lab File: BF111731.D
Acq: 26 Dec 2018 23:19

Instrument :
BNA_F
ClientSampleId :
P001-SS013-1824-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.5	37.4	56.2
54	58.4	47.6	71.4

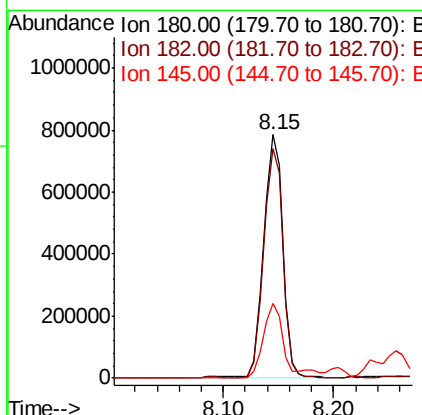
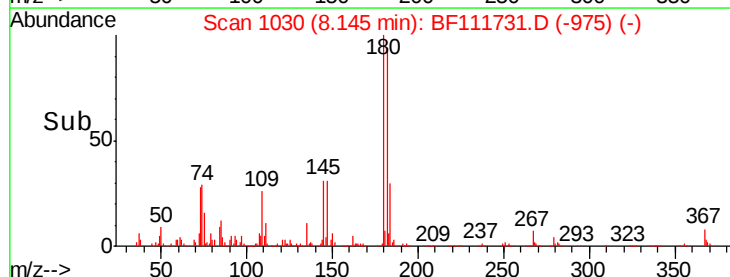
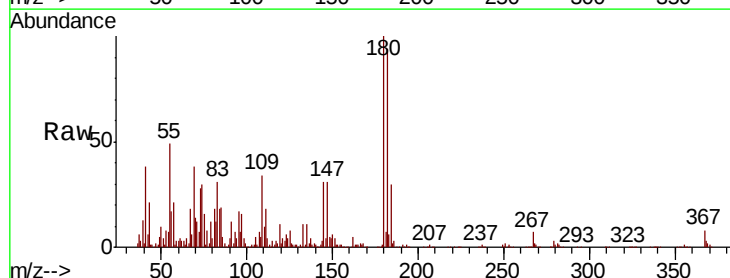
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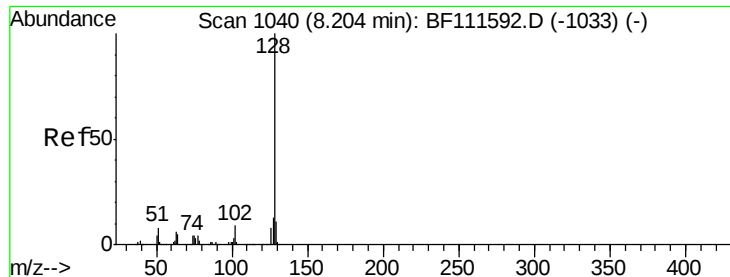
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#30
1,2,4-Trichlorobenzene
Concen: 163.174 ng
RT: 8.15 min Scan# 1030
Delta R.T. 0.02 min
Lab File: BF111731.D
Acq: 26 Dec 2018 23:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.6	113.4
145	30.8	26.7	40.1





#31

Naphthalene

Concen: 122.202 ng

RT: 8.23 min Scan# 1044

Delta R.T. 0.02 min

Lab File: BF111731.D

Acq: 26 Dec 2018 23:19

Instrument :

BNA_F

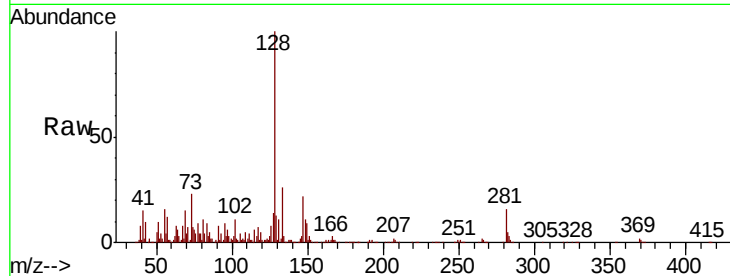
ClientSampleId :

P001-SS013-1824-01

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.3	9.8	14.8
127	14.5	12.0	18.0

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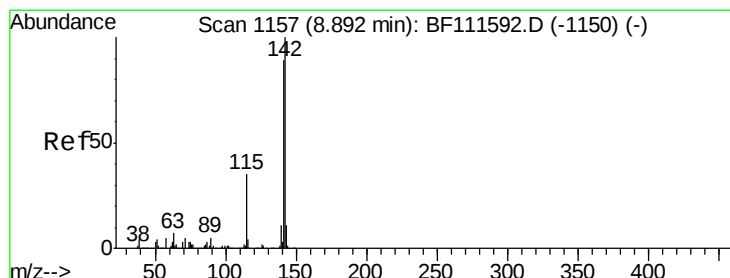
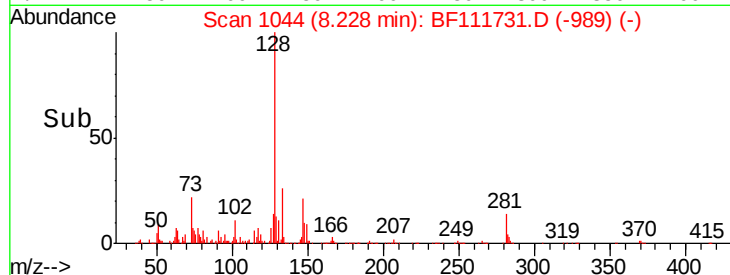
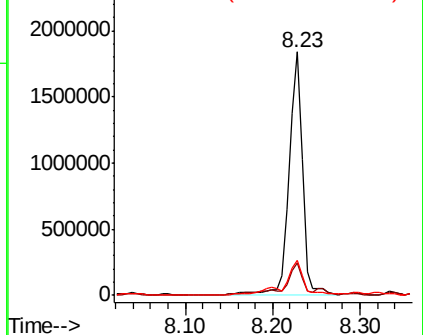


Abundance

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: 138.751 ng

RT: 8.92 min Scan# 1162

Delta R.T. 0.03 min

Lab File: BF111731.D

Acq: 26 Dec 2018 23:19

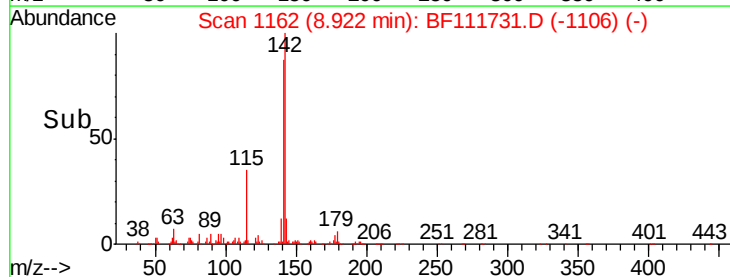
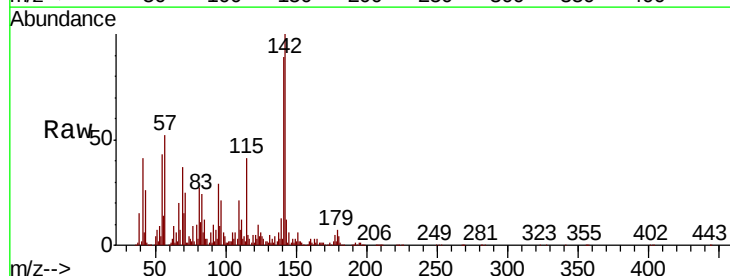
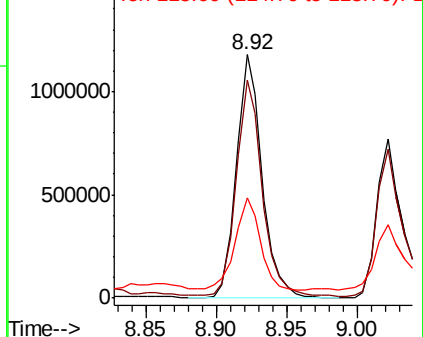
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.6	105.8
115	41.0	27.0	40.6#

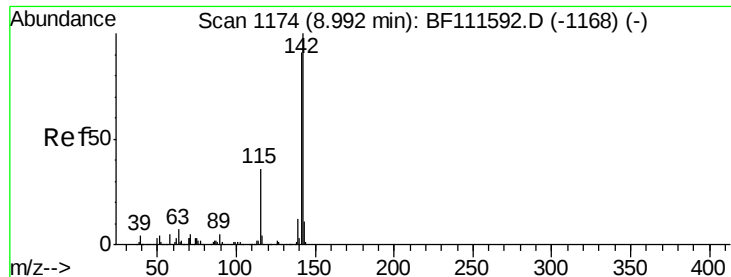
Abundance

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





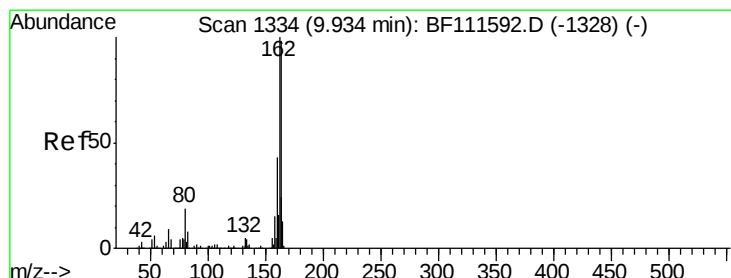
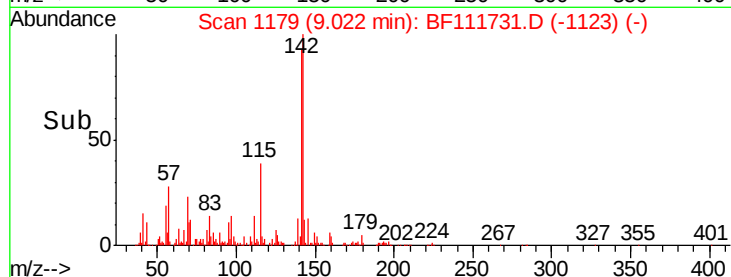
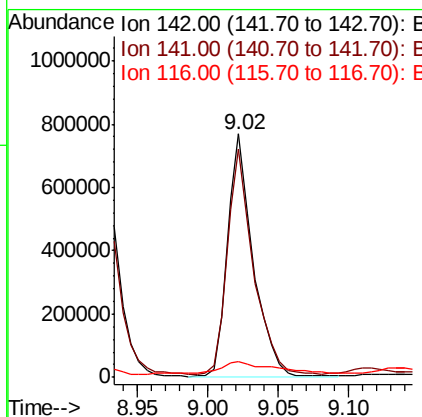
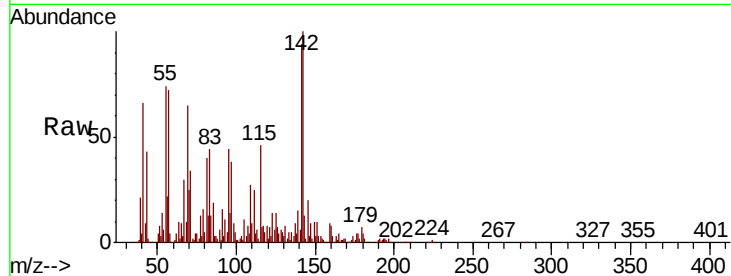
#38
1-Methylnaphthalene
Concen: 93.558 ng
RT: 9.02 min Scan# 1179
Delta R.T. 0.03 min
Lab File: BF111731.D
Acq: 26 Dec 2018 23:19

Instrument :
BNA_F
ClientSampleId :
P001-SS013-1824-01

Tot Ion	Ratio	Resp	Lower	Upper
142	100			
141	94.0	74.2	111.4	
116	6.7	2.9	4.3	

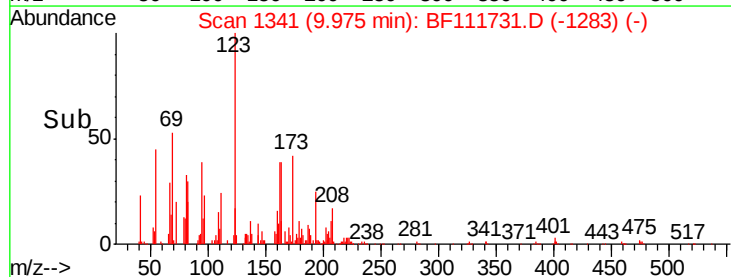
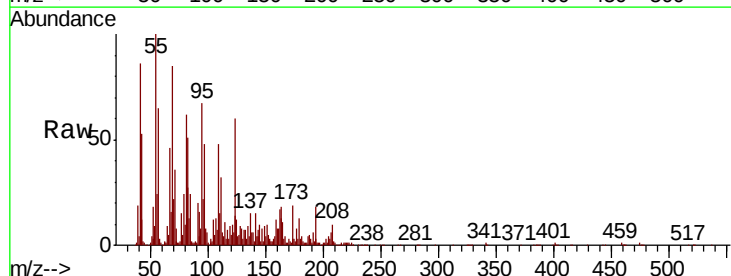
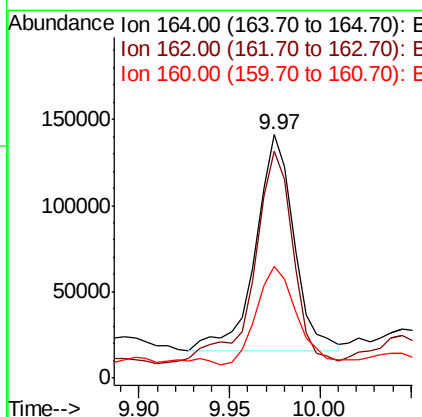
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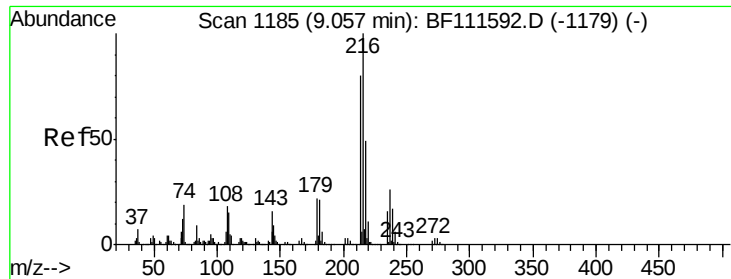
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.04 min
Lab File: BF111731.D
Acq: 26 Dec 2018 23:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	93.4	81.4	122.0	
160	45.8	35.7	53.5	





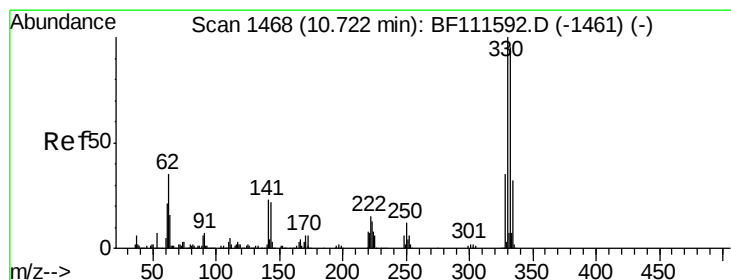
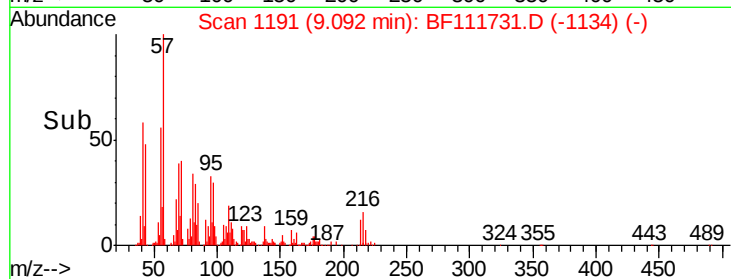
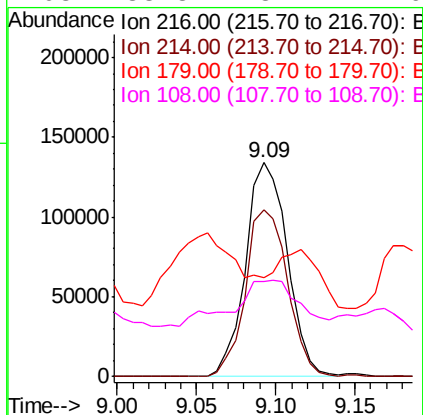
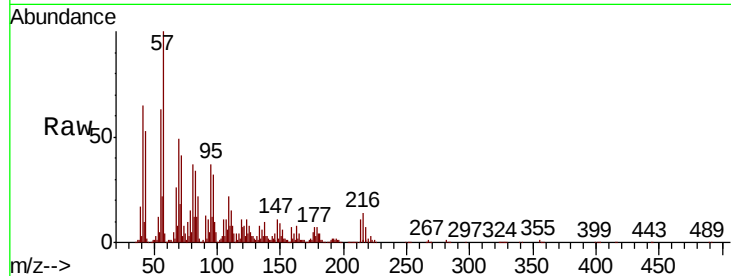
#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 40.669 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.04 min
 Lab File: BF111731.D
 Acq: 26 Dec 2018 23:19

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013-1824-01

Tot Ion:	216	Resp:	245035
Ion Ratio	Lower	Upper	
216	100		
214	78.9	63.8	95.8
179	0.0	17.9	26.9#
108	33.8	18.4	27.6#

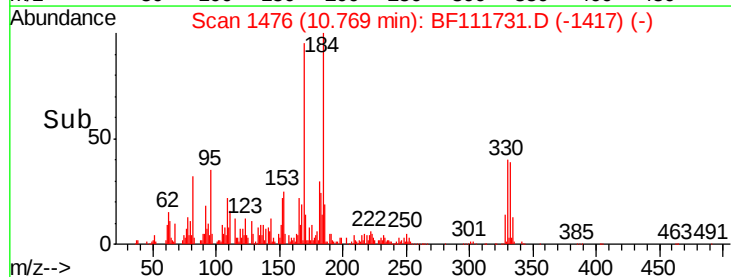
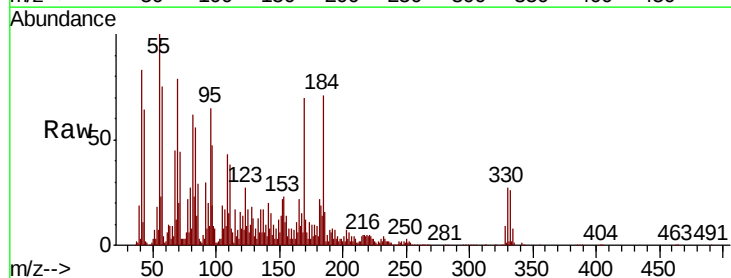
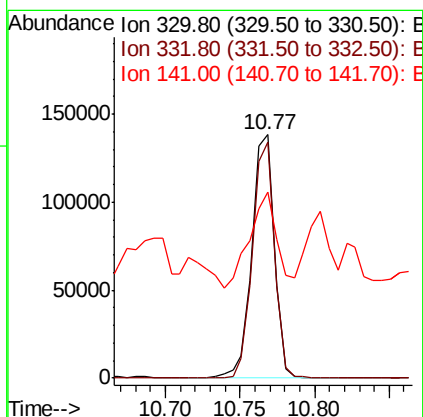
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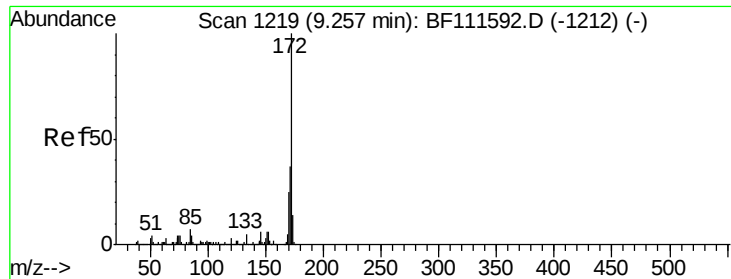
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#42
 2,4,6-Tribromophenol
 Concen: 66.248 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. 0.05 min
 Lab File: BF111731.D
 Acq: 26 Dec 2018 23:19

Tgt Ion:	330	Resp:	143527
Ion Ratio	Lower	Upper	
330	100		
332	93.9	76.0	114.0
141	46.6	31.0	46.6#





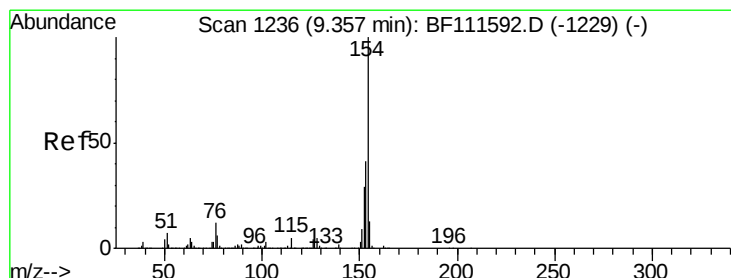
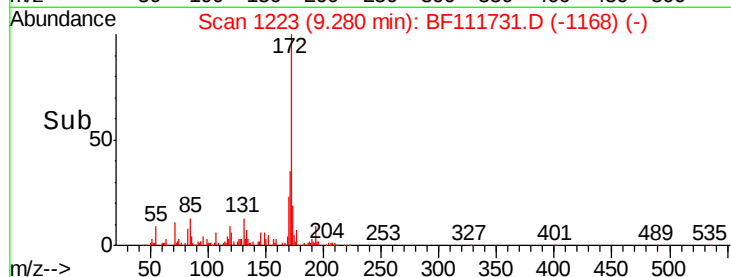
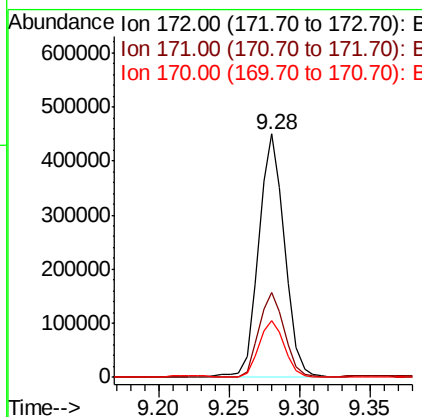
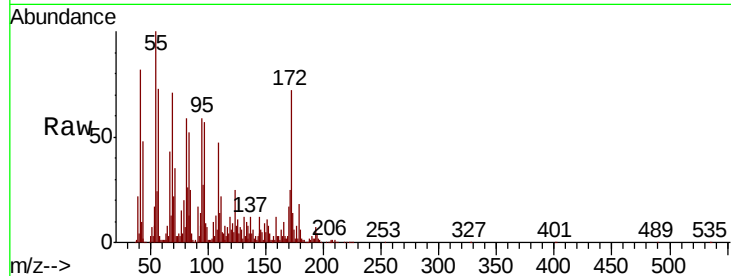
#45
2-Fluorobiphenyl
Concen: 46.042 ng
RT: 9.28 min Scan# 1223
Delta R.T. 0.02 min
Lab File: BF111731.D
Acq: 26 Dec 2018 23:19

Instrument :
BNA_F
ClientSampleId :
P001-SS013-1824-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	33.0	49.4
170	23.1	22.3	33.5

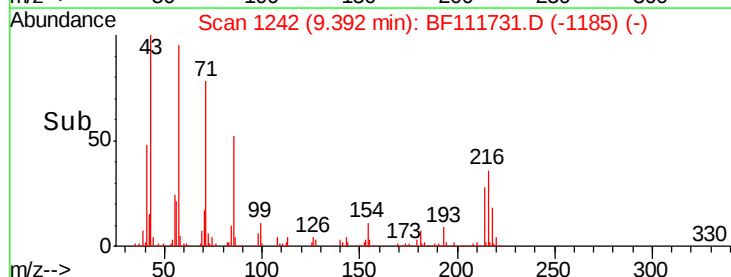
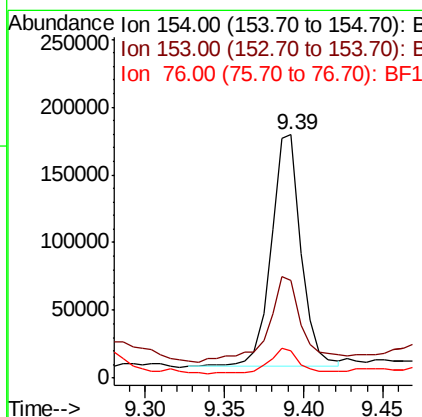
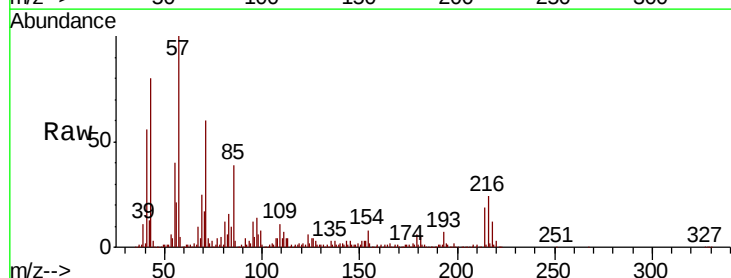
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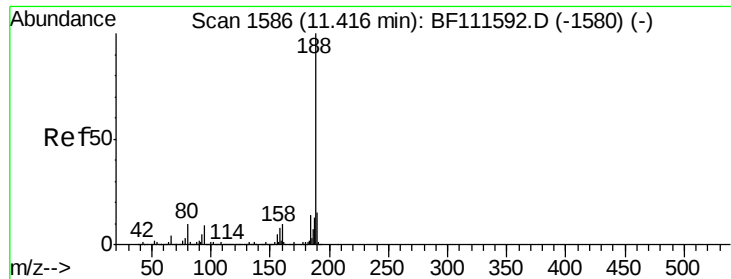
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#46
1,1'-Biphenyl
Concen: 14.473 ng
RT: 9.39 min Scan# 1242
Delta R.T. 0.04 min
Lab File: BF111731.D
Acq: 26 Dec 2018 23:19

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	23.7	63.7
76	11.3	0.0	35.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1595

Delta R.T. 0.05 min

Lab File: BF111731.D

Acq: 26 Dec 2018 23:19

Instrument :

BNA_F

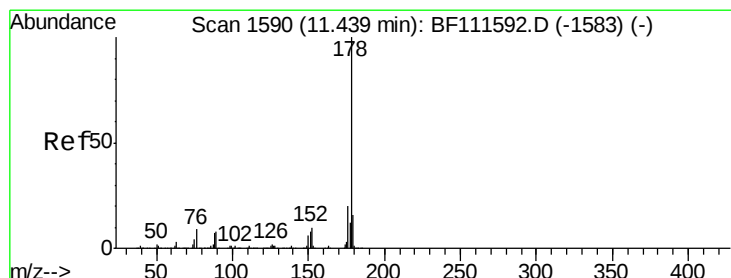
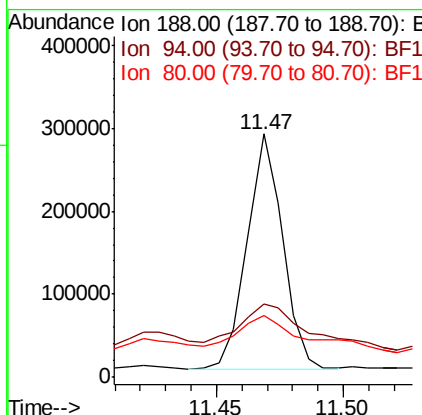
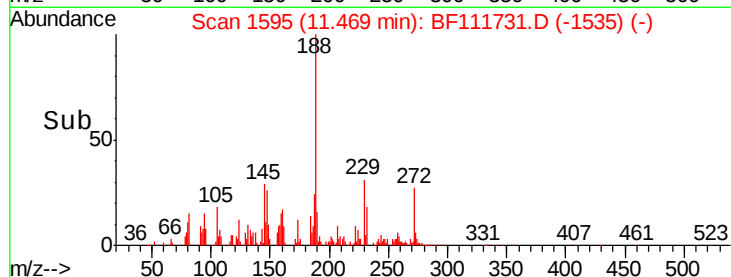
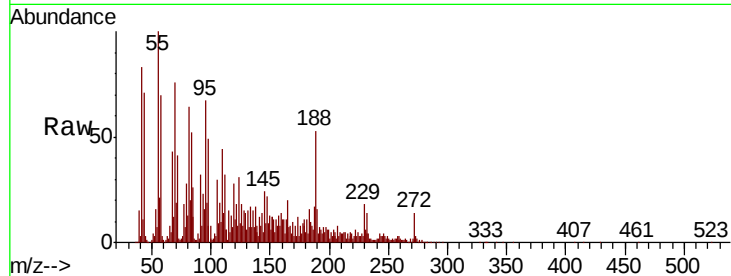
ClientSampleId :

P001-SS013-1824-01

Tot Ion:	188	Resp:	276814
Ion Ratio	Lower	Upper	
188	100		
94	30.2	9.6	14.4#
80	25.4	9.8	14.6#

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#71

Phenanthrene

Concen: 51.573 ng

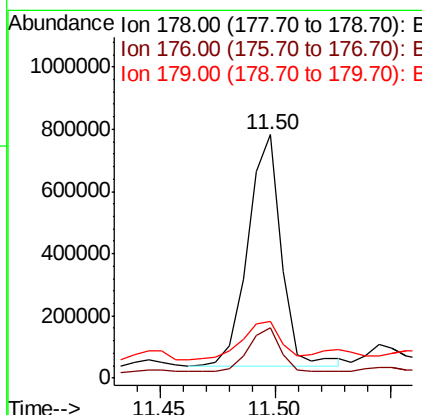
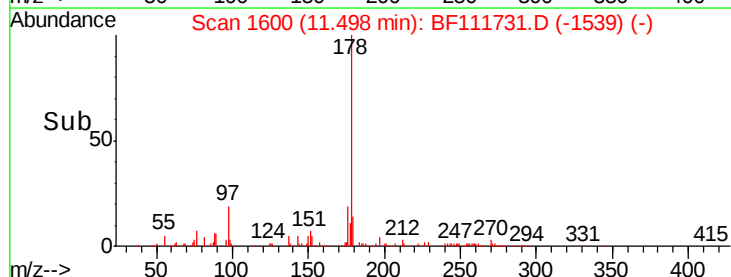
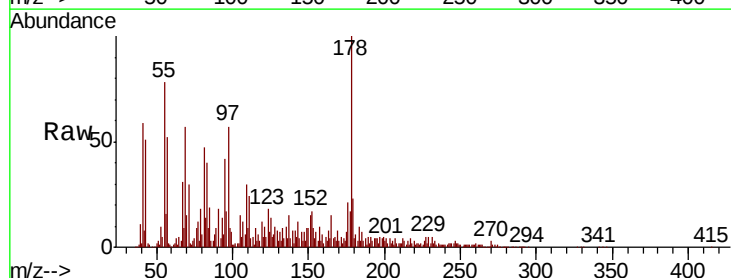
RT: 11.50 min Scan# 1600

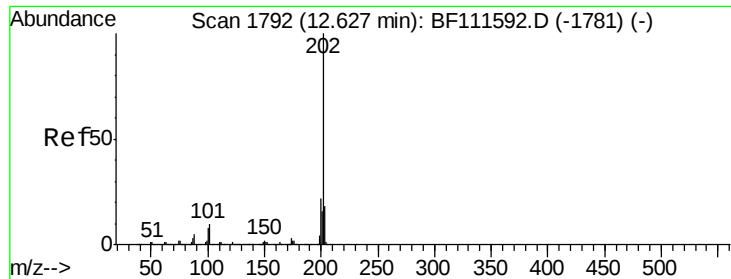
Delta R.T. 0.06 min

Lab File: BF111731.D

Acq: 26 Dec 2018 23:19

Tgt Ion:	178	Resp:	757120
Ion Ratio	Lower	Upper	
178	100		
176	20.5	18.1	27.1
179	23.5	14.0	21.0#





#75

Fluoranthene

Concen: 9.252 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.06 min

Lab File: BF111731.D

Acq: 26 Dec 2018 23:19

Instrument :

BNA_F

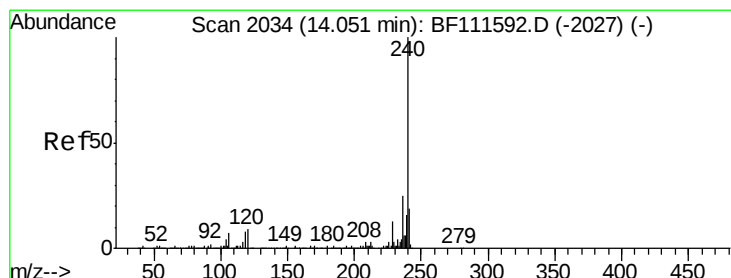
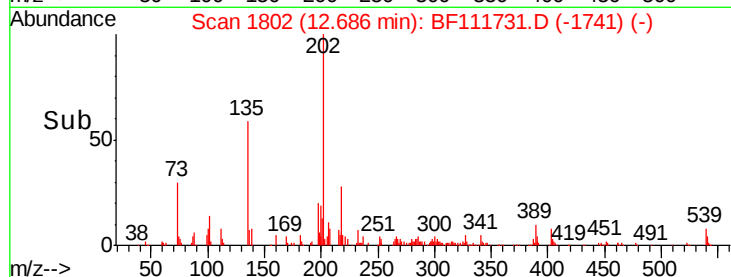
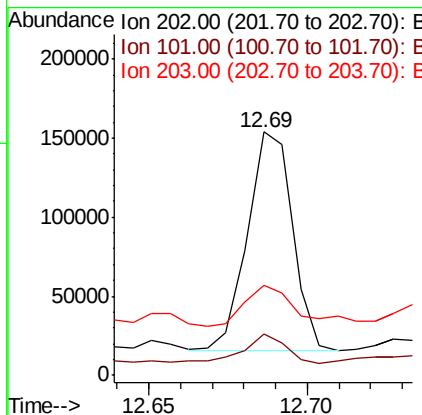
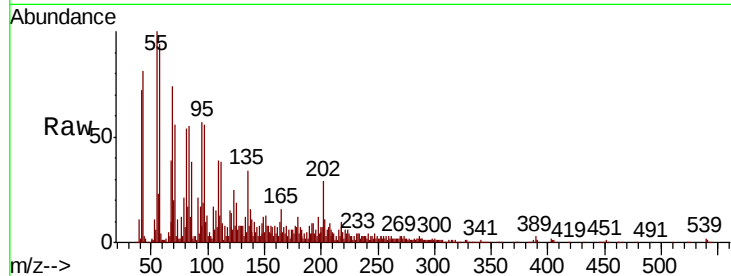
ClientSampleId :

P001-SS013-1824-01

Tot Ion:	202	Resp:	137538
Ion Ratio	Lower	Upper	
202	100		
101	17.1	0.0	33.8
203	37.1	0.0	38.6

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#76

Chrysene-d12

Concen: 20.000 ng

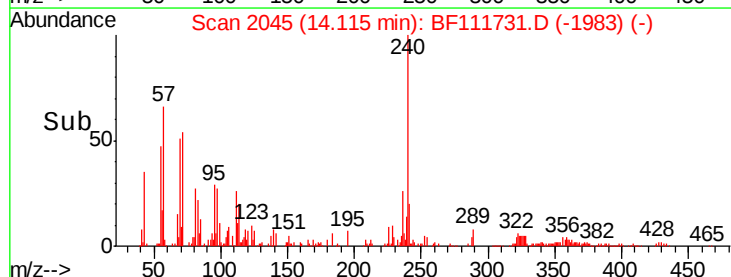
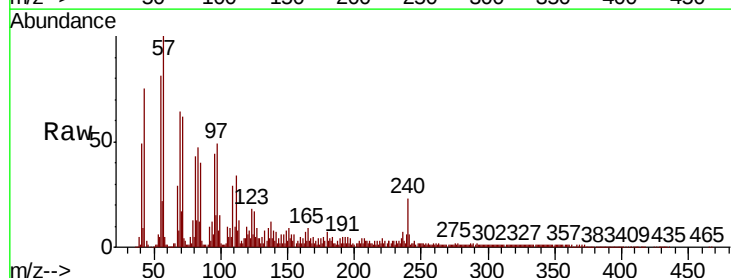
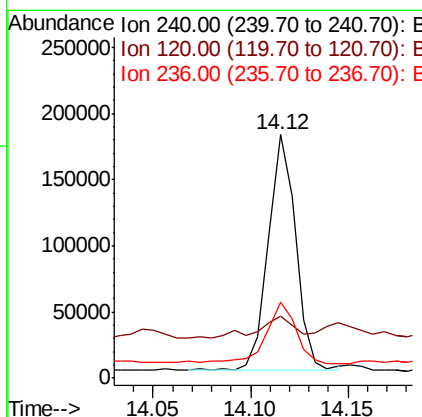
RT: 14.12 min Scan# 2045

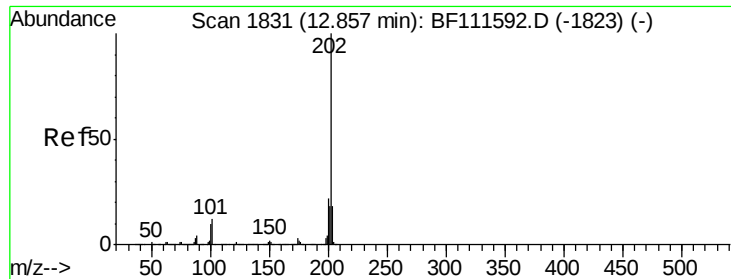
Delta R.T. 0.06 min

Lab File: BF111731.D

Acq: 26 Dec 2018 23:19

Tgt Ion:	240	Resp:	175456
Ion Ratio	Lower	Upper	
240	100		
120	25.4	12.2	18.2#
236	31.2	20.2	30.2#





#78

Pvrene

Concen: 27.757 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.06 min

Lab File: BF111731.D

Acq: 26 Dec 2018 23:19

Instrument :

BNA_F

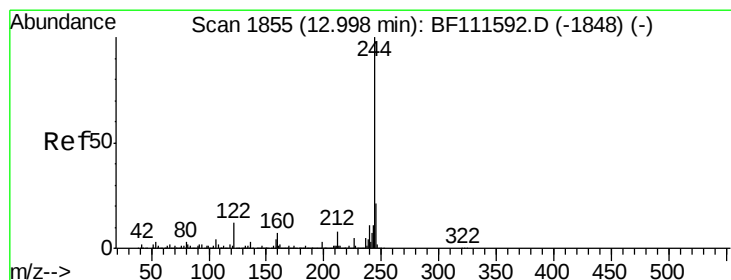
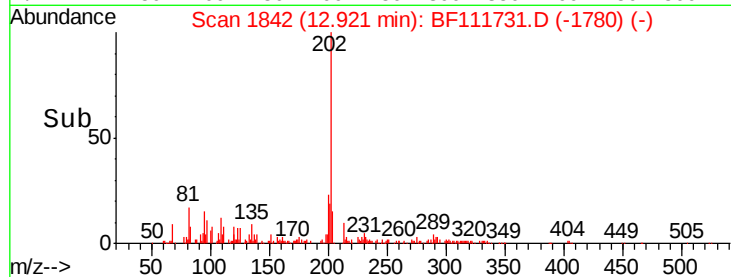
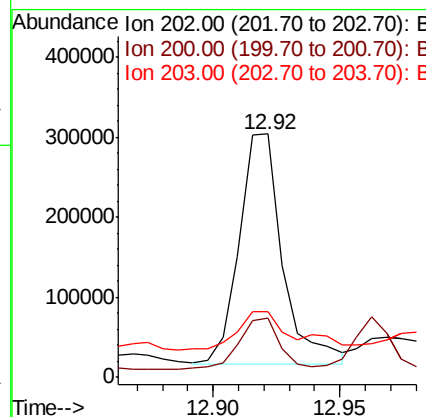
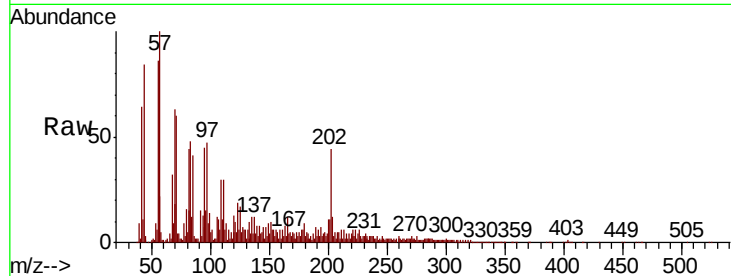
ClientSampleId :

P001-SS013-1824-01

Tot Ion:	202	Resp:	343915
Ion Ratio		Lower	Upper
202	100		
200	24.3	19.0	28.4
203	26.8	15.2	22.8#

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#79

Terphenyl-d14

Concen: 48.061 ng

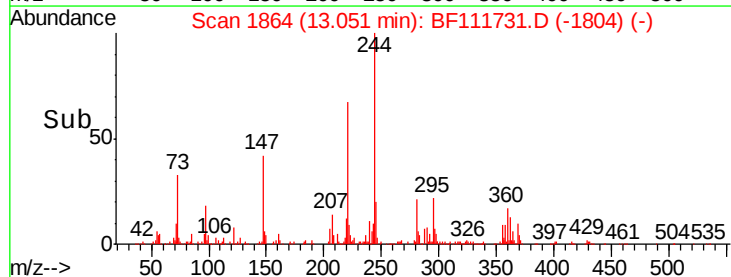
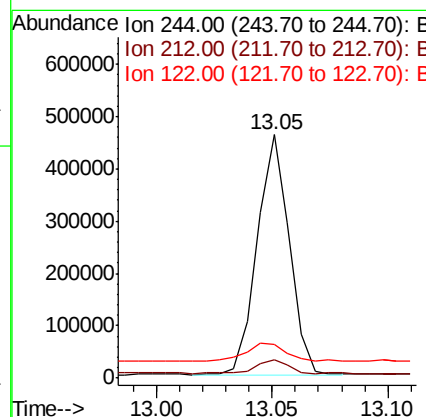
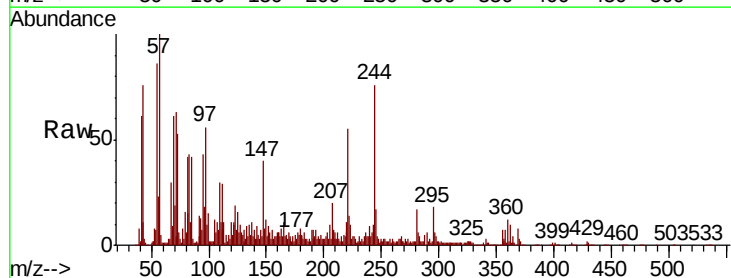
RT: 13.05 min Scan# 1864

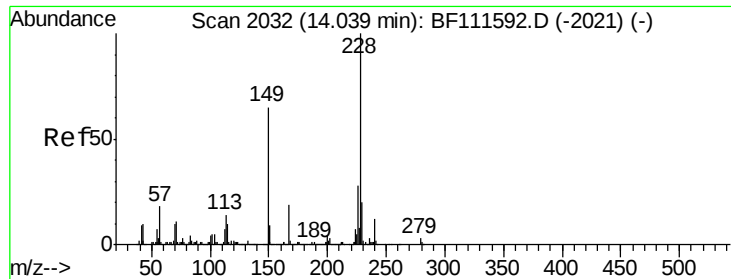
Delta R.T. 0.05 min

Lab File: BF111731.D

Acq: 26 Dec 2018 23:19

Tgt Ion:	244	Resp:	444658
Ion Ratio		Lower	Upper
244	100		
212	7.4	5.7	8.5
122	14.0	13.1	19.7





#81

Benzo(a)anthracene

Concen: 5.280 ng

RT: 14.11 min Scan# 2044

Delta R.T. 0.07 min

Lab File: BF111731.D

Acq: 26 Dec 2018 23:19

Instrument :

BNA_F

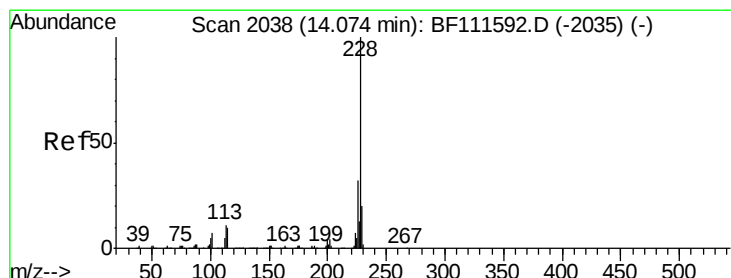
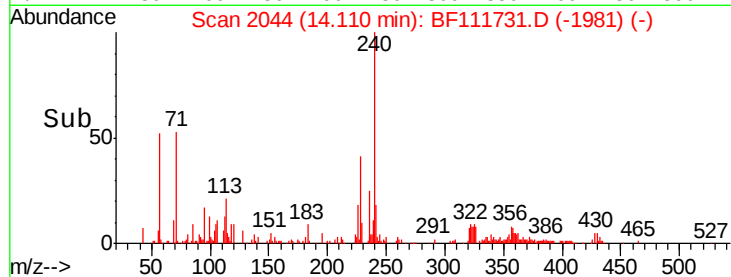
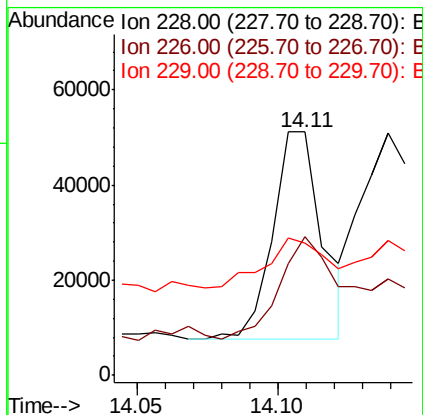
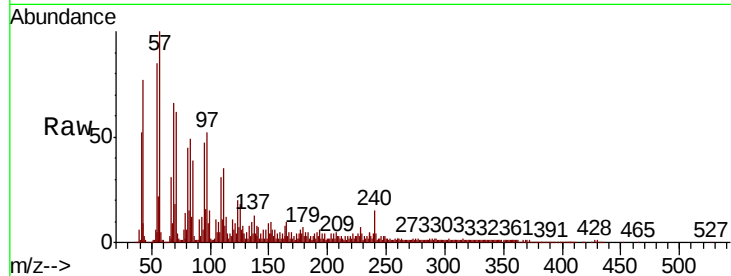
ClientSampleId :

P001-SS013-1824-01

Tot Ion:	228	Resp:	52867
Ion Ratio	Lower	Upper	
228	100		
226	56.8	22.6	34.0#
229	54.6	16.3	24.5#

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#83

Chrysene

Concen: 6.154 ng

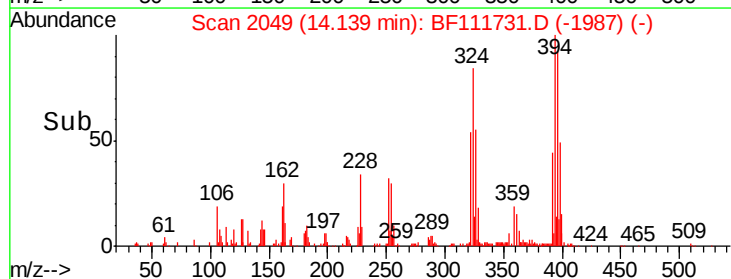
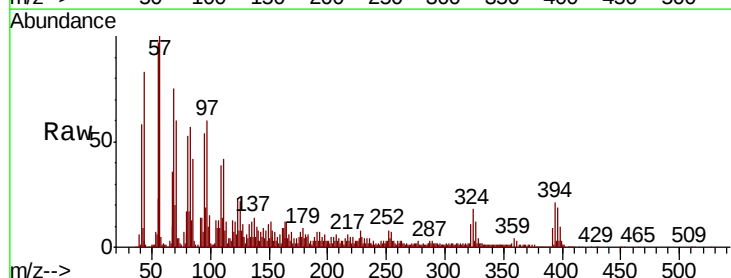
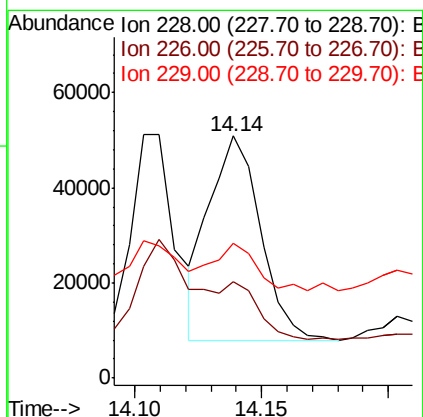
RT: 14.14 min Scan# 2049

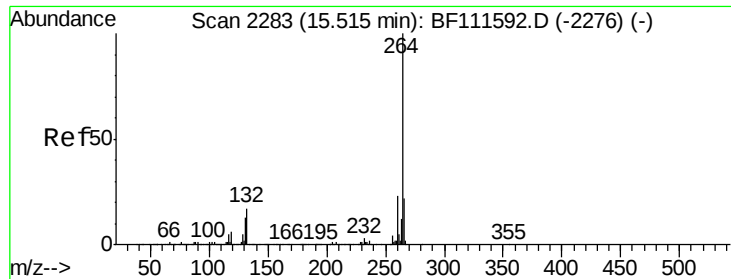
Delta R.T. 0.06 min

Lab File: BF111731.D

Acq: 26 Dec 2018 23:19

Tgt Ion:	228	Resp:	60568
Ion Ratio	Lower	Upper	
228	100		
226	40.1	25.3	37.9#
229	55.6	17.2	25.8#





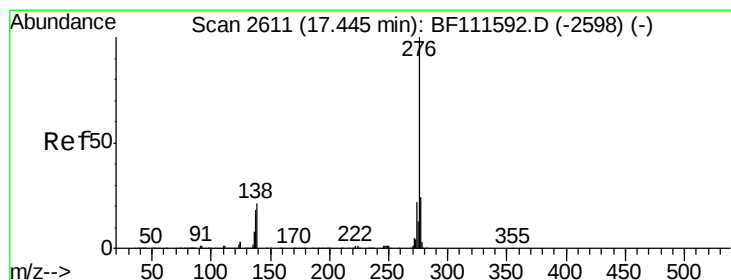
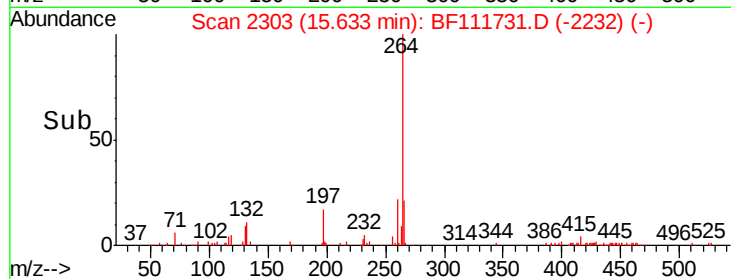
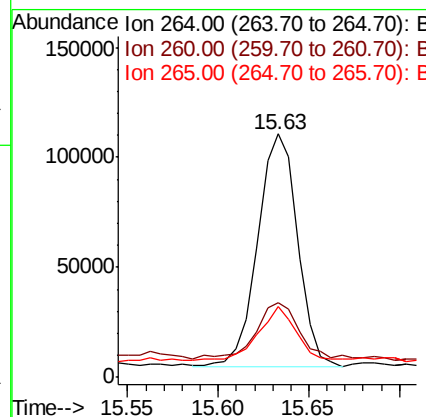
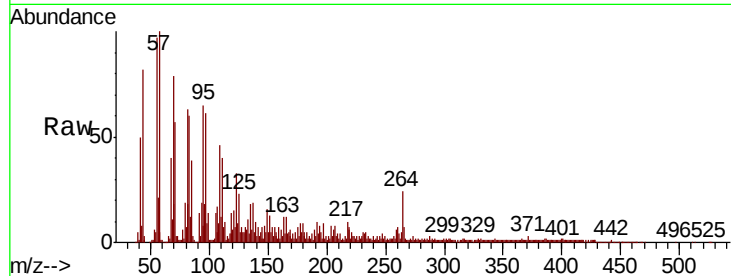
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.12 min
Lab File: BF111731.D
Acq: 26 Dec 2018 23:19

Instrument :
BNA_F
ClientSampleId :
P001-SS013-1824-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	30.6	18.3	27.5#
265	29.2	17.7	26.5#

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#92
Benzo(g,h,i)perylene
Concen: 6.639 ng
RT: 17.62 min Scan# 2640
Delta R.T. 0.17 min
Lab File: BF111731.D
Acq: 26 Dec 2018 23:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	38.0	19.2	28.8#
138	68.1	24.9	37.3#

