

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
 Data File : BF112783.D
 Acq On : 1 Mar 2019 1:21
 Operator : JU/SJ
 Sample : K1349-15 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022719-B

Manual Integrations
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Quant Time: Mar 01 07:44:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	6.74	152	198412	20.00	ng	0.00	
21) Naphthalene-d8	8.02	136	741052	20.00	ng	0.00	
39) Acenaphthene-d10	9.77	164	314443	20.00	ng	0.00	
64) Phenanthrene-d10	11.25	188	553569	20.00	ng	0.00	
76) Chrysene-d12	13.87	240	530835	20.00	ng	0.00	
87) Perylene-d12	15.29	264	485483	20.00	ng	0.01	
System Monitoring Compounds							
5) 2-Fluorophenol	5.34	112	238940	18.73	ng	0.00	
7) Phenol-d6	6.36	99	313594	19.57	ng	0.00	
23) Nitrobenzene-d5	7.29	82	175471	14.17	ng	-0.01	
42) 2,4,6-Tribromophenol	10.55	330	67925	20.35	ng	0.00	
45) 2-Fluorobiphenyl	9.10	172	317486	4.90	ng	0.00	
79) Terphenyl-d14	12.83	244	297823	10.88	ng	0.00	
Target Compounds							
71) Phenanthrene	11.27	178	218867	7.947	ng		98
75) Fluoranthene	12.46	202	356390	12.078	ng		95
78) Pyrene	12.68	202	341011	7.620	ng		98
81) Benzo(a)anthracene	13.86	228	167088	4.542	ng		99
83) Chrysene	13.90	228	147381	4.090	ng		97
86) Indeno(1,2,3-cd)pyrene	16.64	276	71256	2.319	ng	#	89
88) Benzo(b)fluoranthene	14.89	252	186148m	5.928	ng		
89) Benzo(k)fluoranthene	14.91	252	67317m	2.367	ng		
90) Benzo(a)pyrene	15.22	252	135029	4.861	ng		98
92) Benzo(a,h,i)perylene	17.05	276	65969	2.772	ng		97

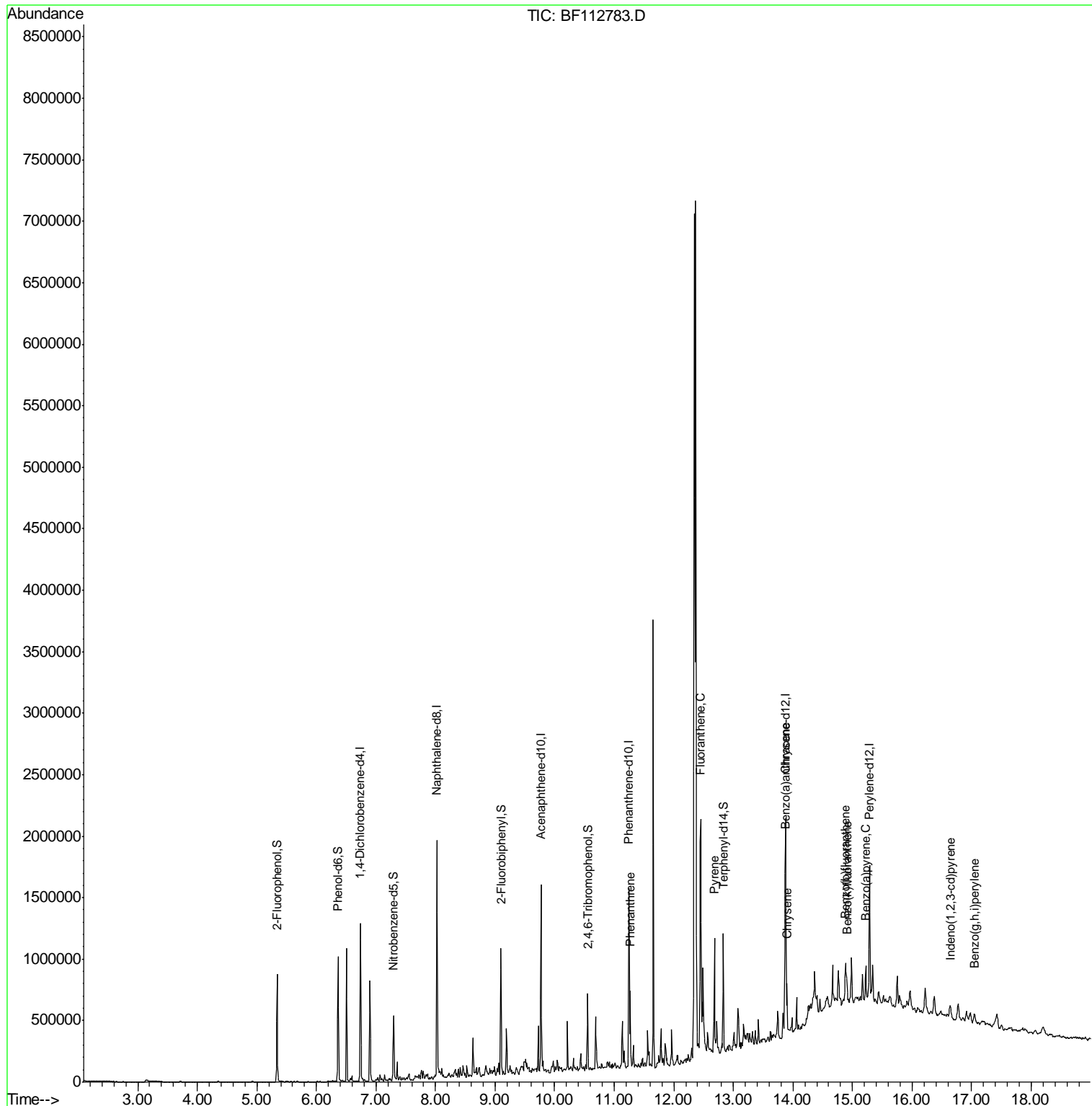
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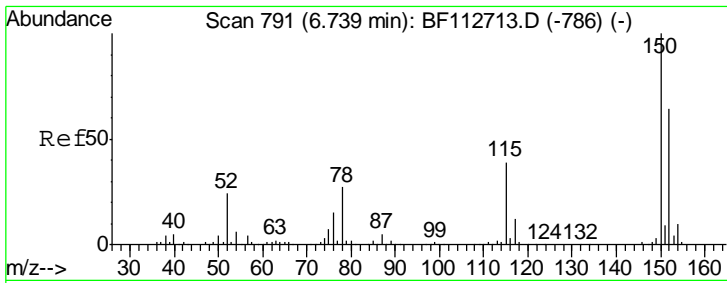
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
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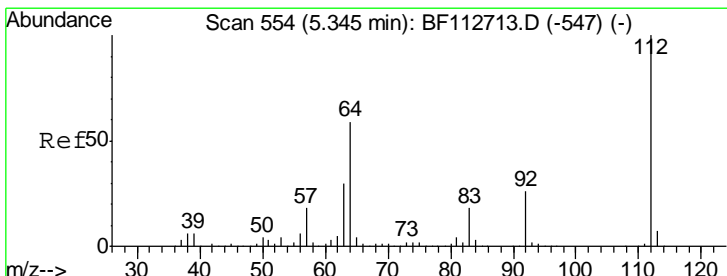
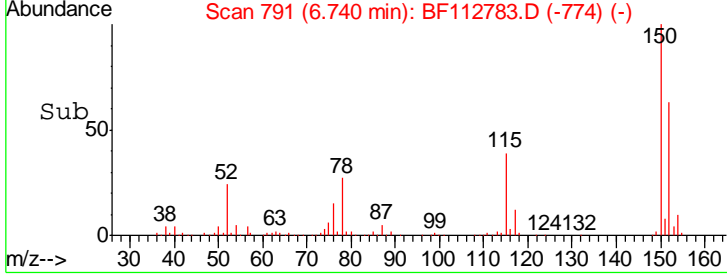
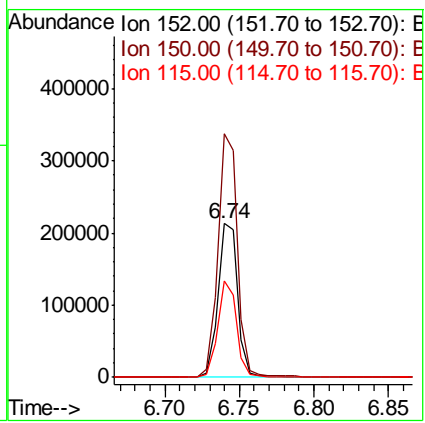
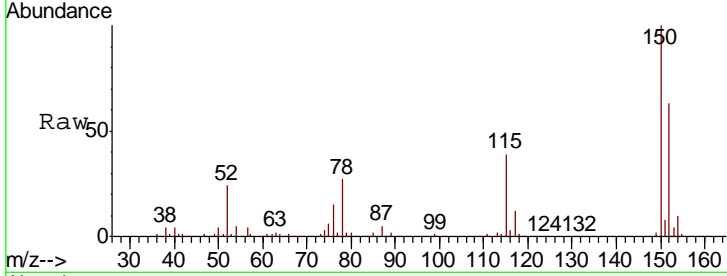


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

Instrument :
 BNA_F
ClientSampled :
 OR-03-022719-B

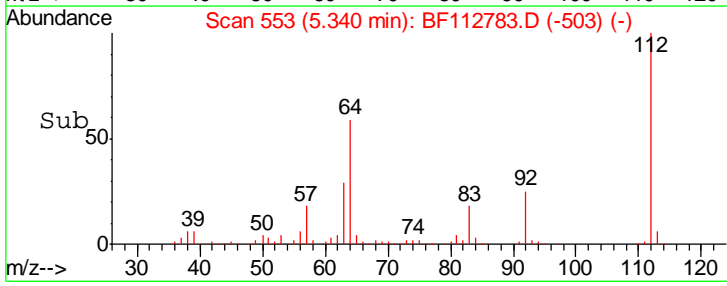
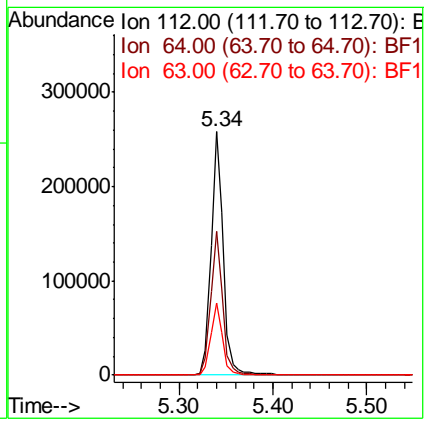
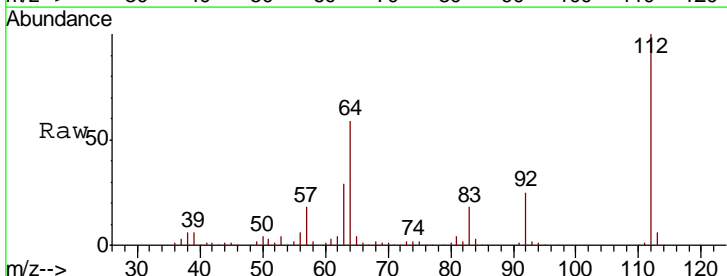
Tgt Ion	Resp	Lower	Upper
152	198412		
150	158.1	124.2	186.2
115	62.3	48.2	72.4

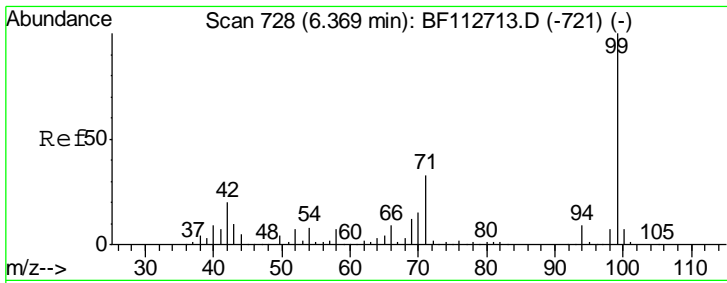
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#5
 2-Fluorophenol
 Concen: 18.733 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF112783.D
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Tgt Ion	Resp	Lower	Upper
112	238940		
64	59.2	47.6	71.4
63	29.4	24.4	36.6



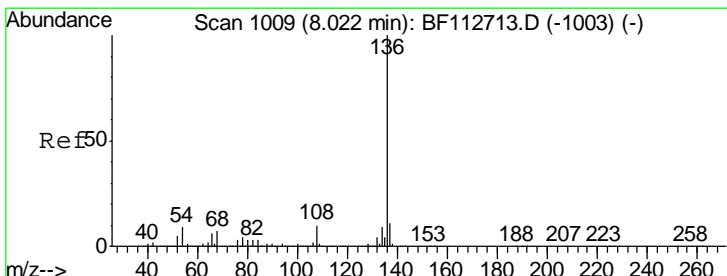
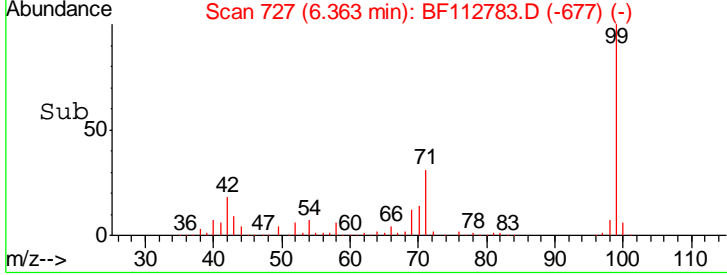
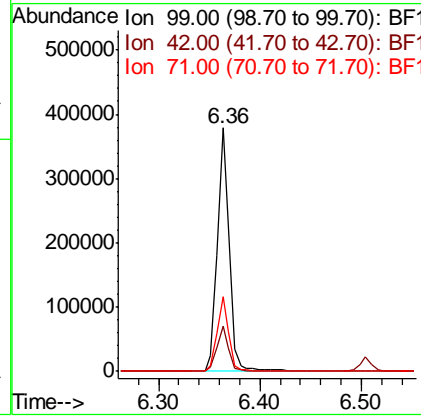
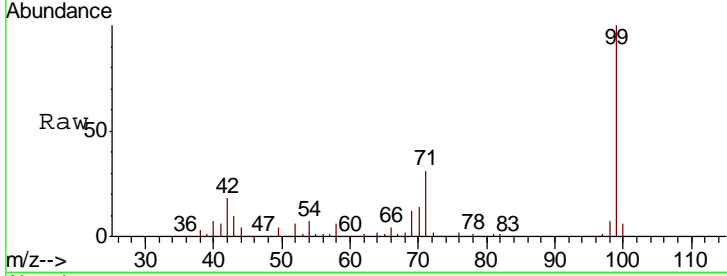


#7
 Phenol-d6
 Concen: 19.572 ng
 RT: 6.36 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

Instrument :
 BNA_F
ClientSampled :
 OR-03-022719-B

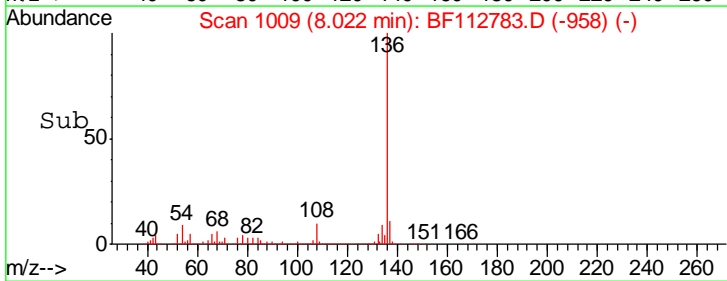
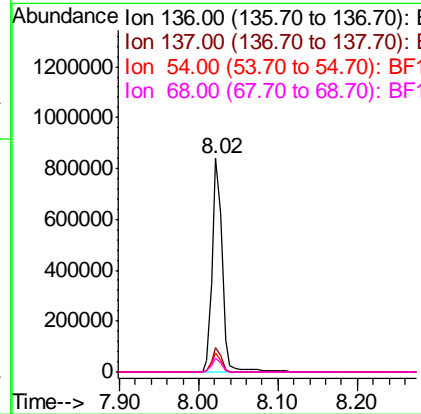
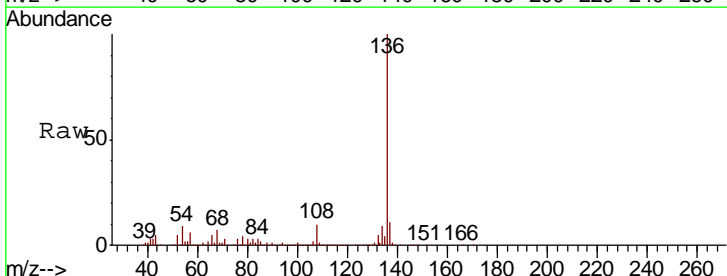
Tgt Ion	Resp	Lower	Upper
99	313594		
99	100		
42	18.4	16.3	24.5
71	30.9	26.2	39.4

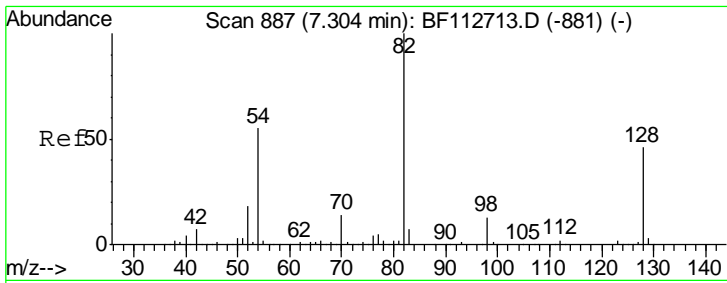
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#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.02 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

Tgt Ion	Resp	Lower	Upper
136	741052		
136	100		
137	11.2	8.9	13.3
54	8.7	7.3	10.9
68	6.5	5.4	8.2





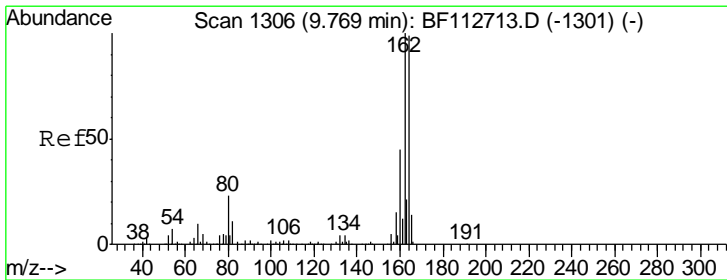
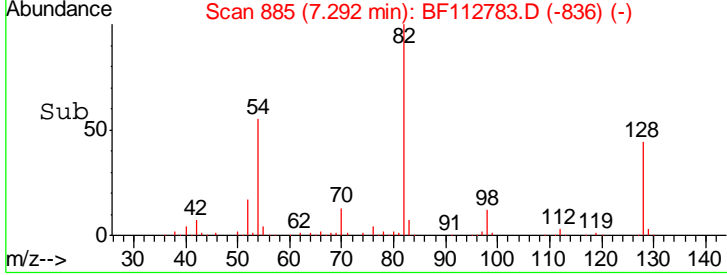
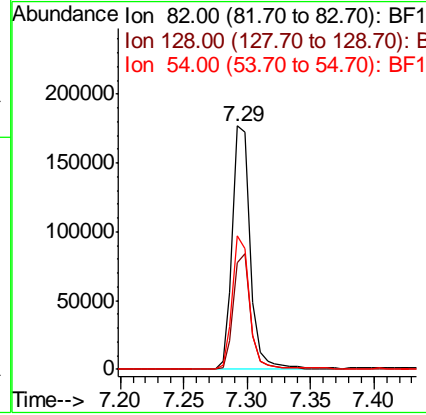
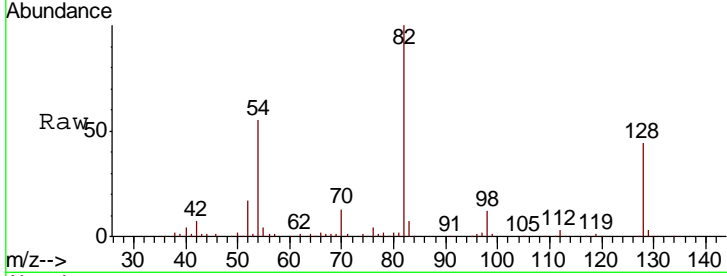
#23
 Nitrobenzene-d5
 Concen: 14.169 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

Instrument :
 BNA_F
ClientSampled :
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Tgt Ion	Resp	Lower	Upper
82	175471		
128	43.6	36.3	54.5
54	54.7	43.7	65.5

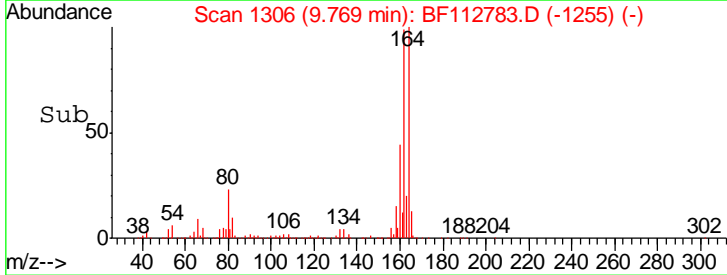
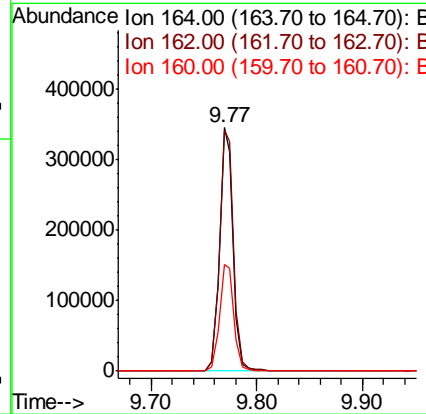
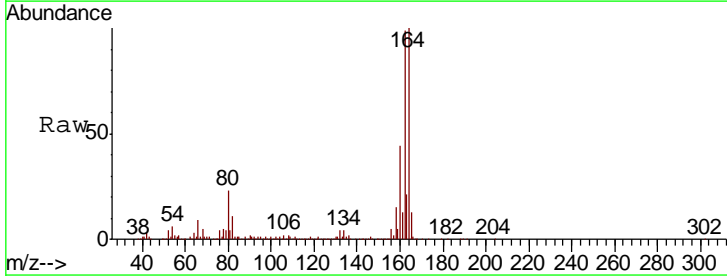
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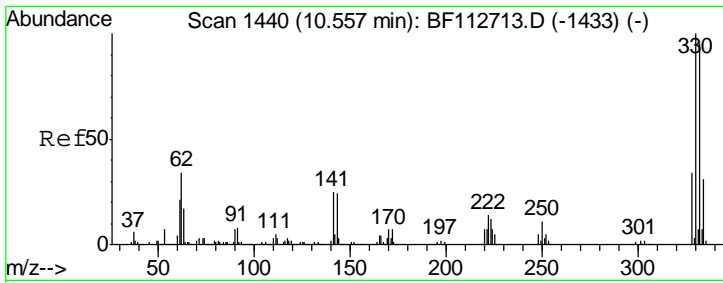
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

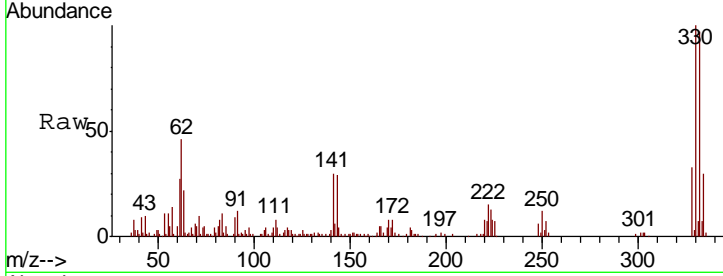
Tgt Ion	Resp	Lower	Upper
164	314443		
162	99.0	80.6	120.8
160	44.0	36.0	54.0





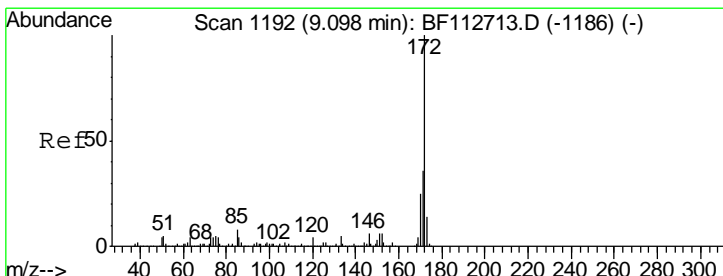
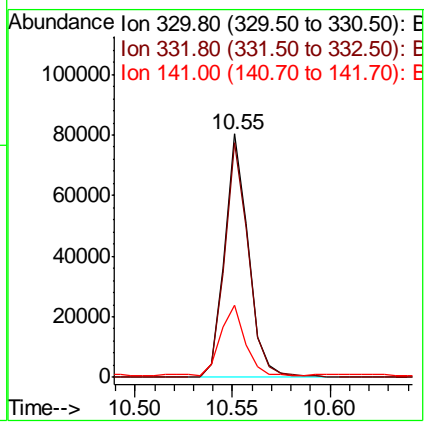
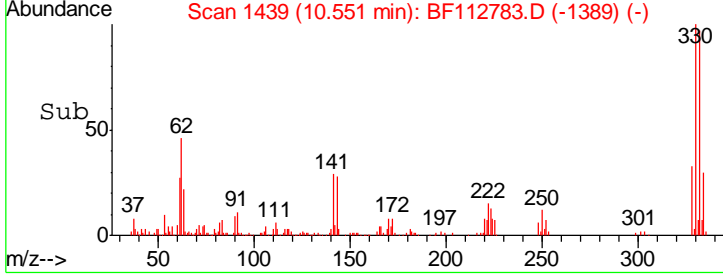
#42
 2,4,6-Tribromophenol
 Concen: 20.348 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

Instrument :
 BNA_F
ClientSampled :
 OR-03-022719-B

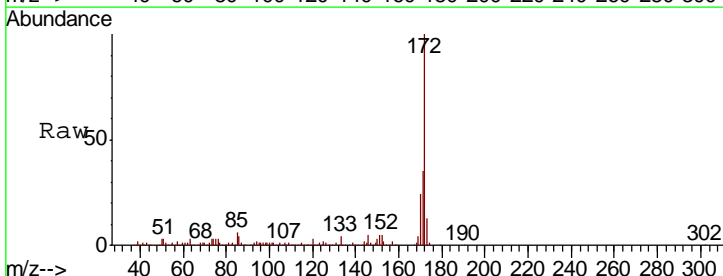


Tgt Ion	Resp	Lower	Upper
330	100		
332	97.0	76.2	114.4
141	31.1	27.0	40.6

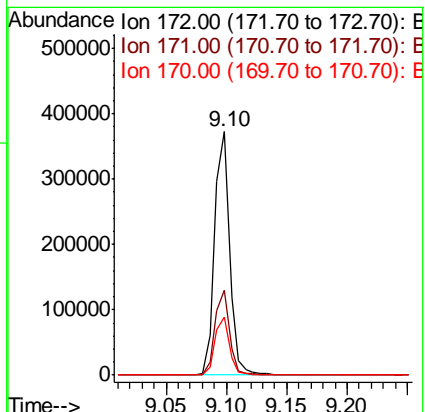
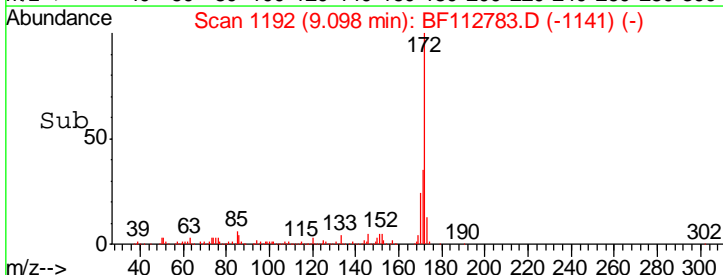
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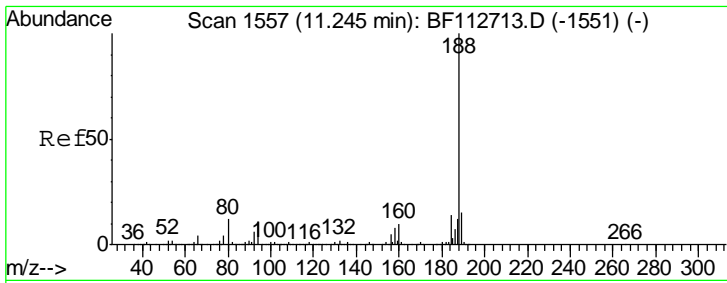


#45
 2-Fluorobiphenyl
 Concen: 4.903 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21



Tgt Ion	Resp	Lower	Upper
172	100		
171	35.0	29.0	43.4
170	23.7	20.0	30.0



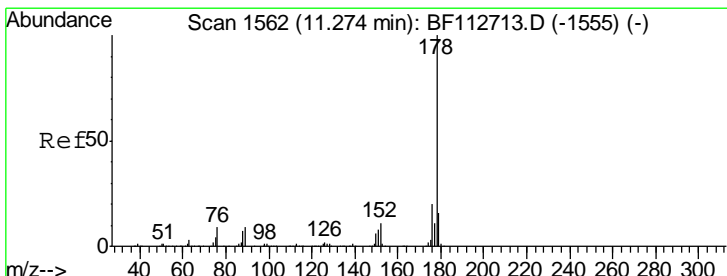
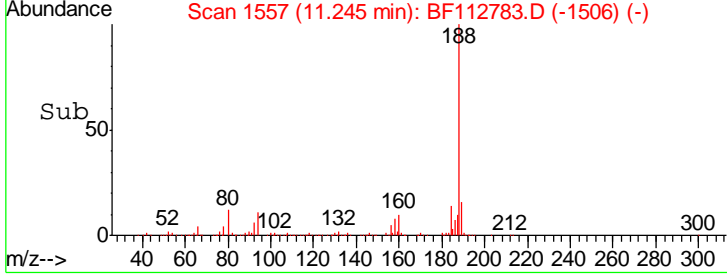
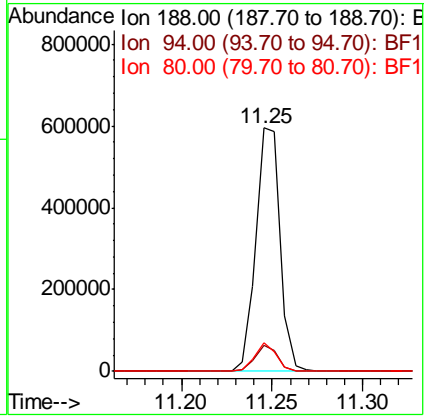
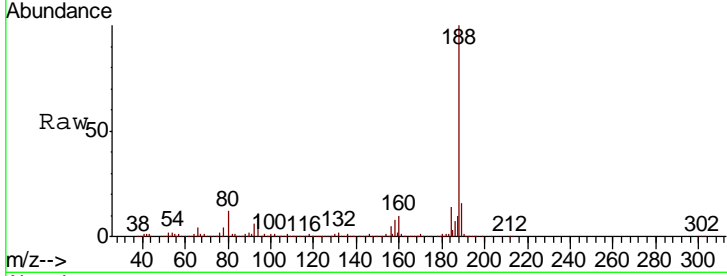


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

Instrument :
 BNA_F
ClientSampled :
 OR-03-022719-B

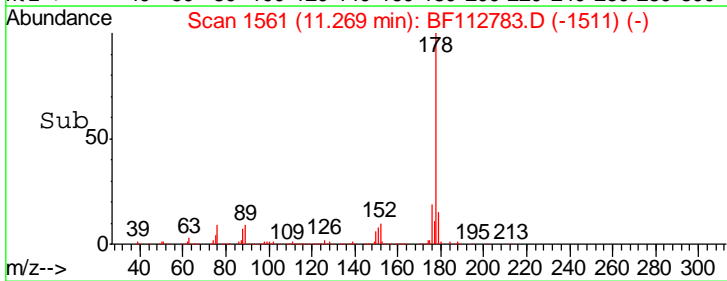
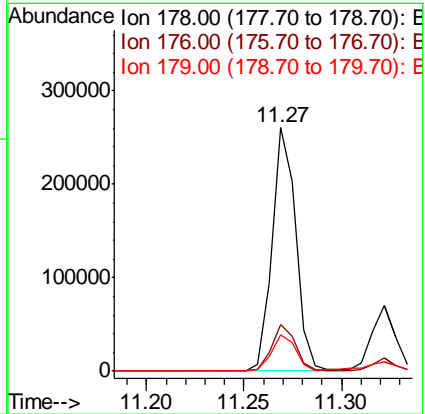
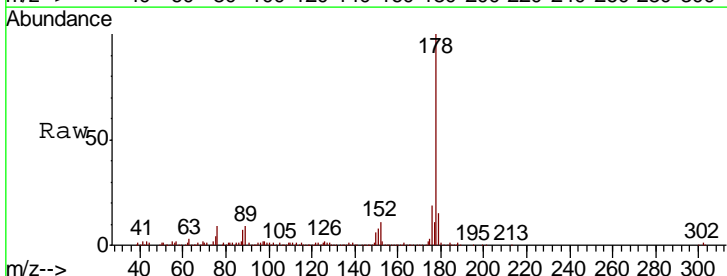
Tgt Ion	Resp	Lower	Upper
188	100		
94	10.7	9.0	13.4
80	11.9	9.2	13.8

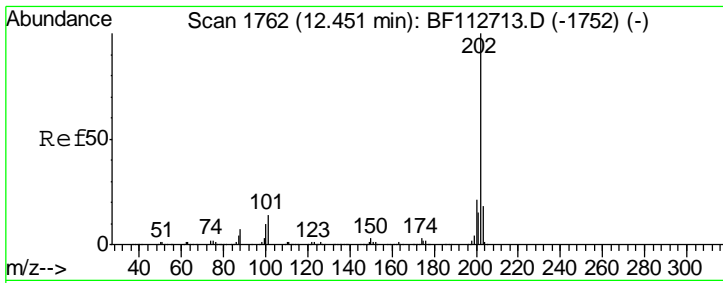
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#71
 Phenanthrene
 Concen: 7.947 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

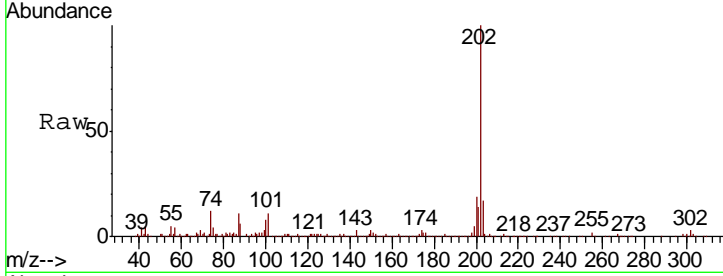
Tgt Ion	Resp	Lower	Upper
178	100		
176	19.2	16.3	24.5
179	15.1	12.7	19.1





#75
 Fluoranthene
 Concen: 12.078 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

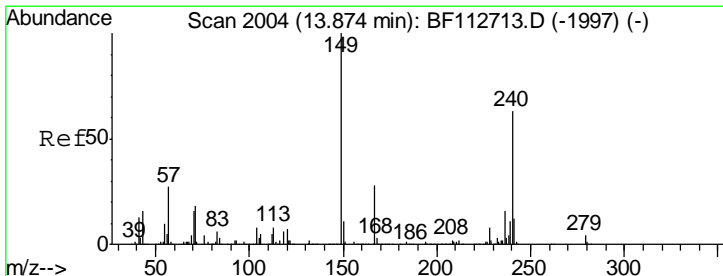
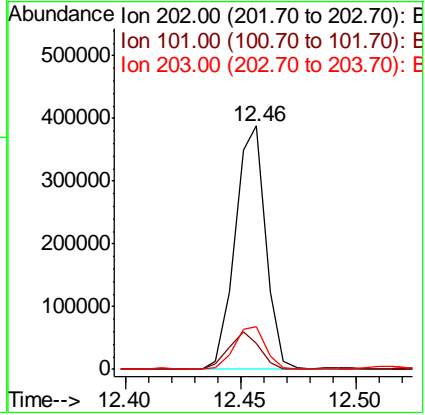
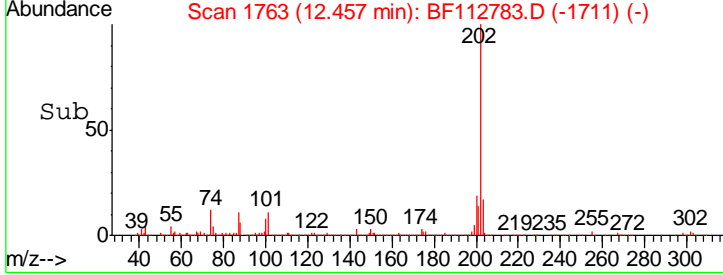
Instrument :
 BNA_F
Client Sampled :
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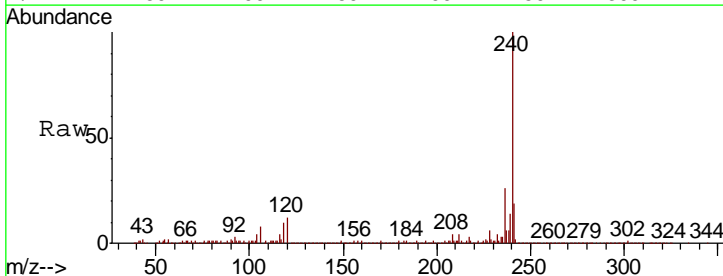
Tgt Ion	Resp	Lower	Upper
202	100		
101	10.8	0.0	33.8
203	17.3	0.0	38.4

Manual Integrations
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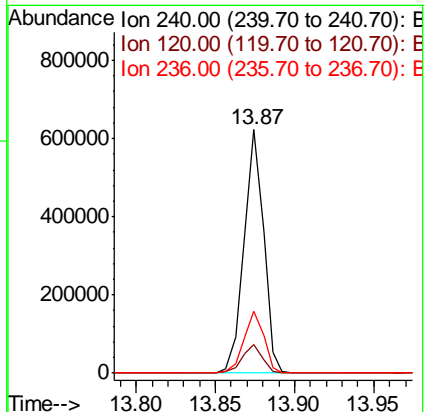
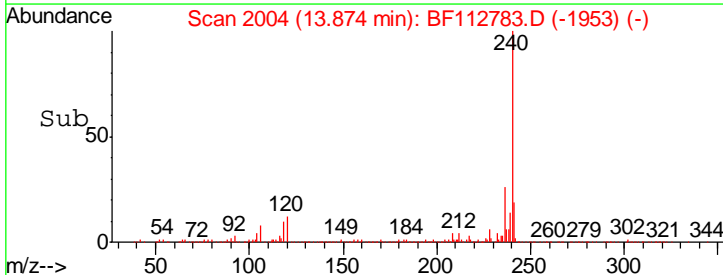
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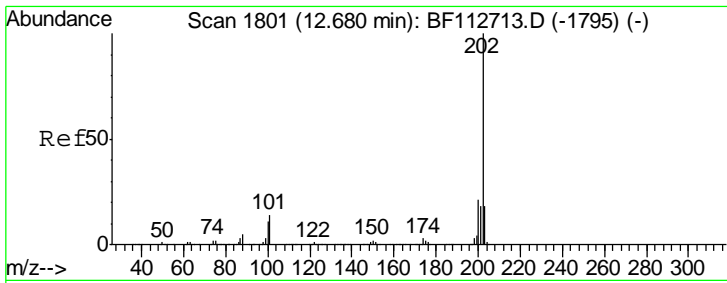


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. 0.00 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21



Tgt Ion	Resp	Lower	Upper
240	100		
120	12.0	8.9	13.3
236	25.7	20.7	31.1





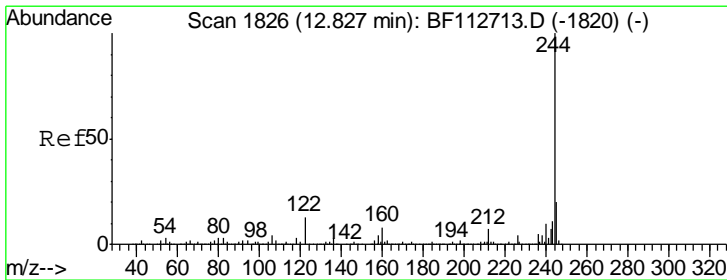
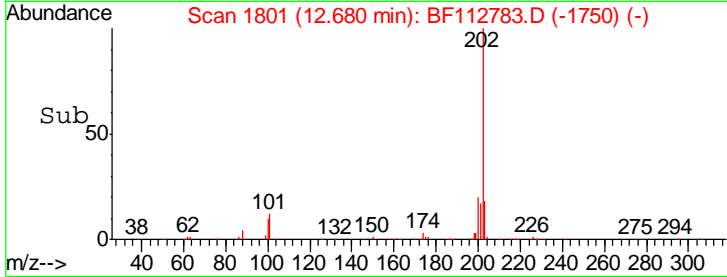
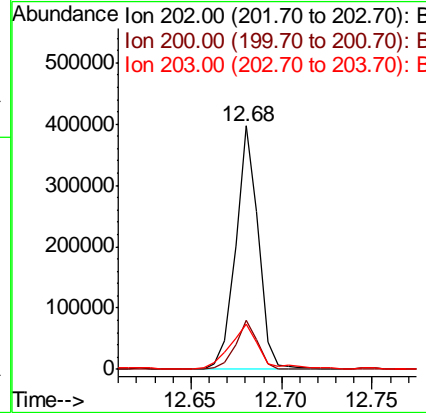
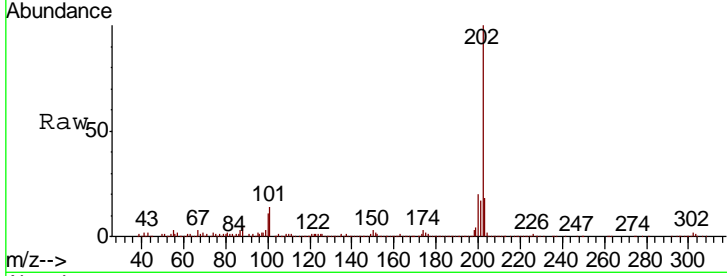
#78
 Pyrene
 Concen: 7.620 ng
 RT: 12.68 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

Instrument :
 BNA_F
ClientSampled :
 OR-03-022719-B

Tgt Ion	Resp	Lower	Upper
202	341011		
200	20.2	17.0	25.4
203	18.4	14.4	21.6

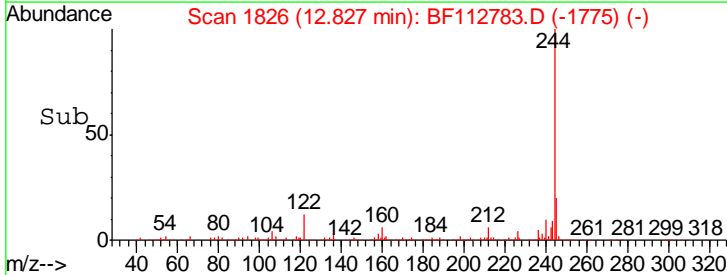
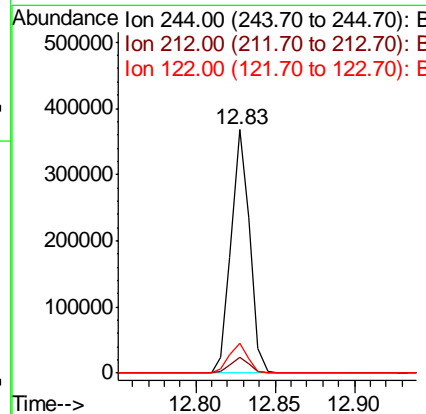
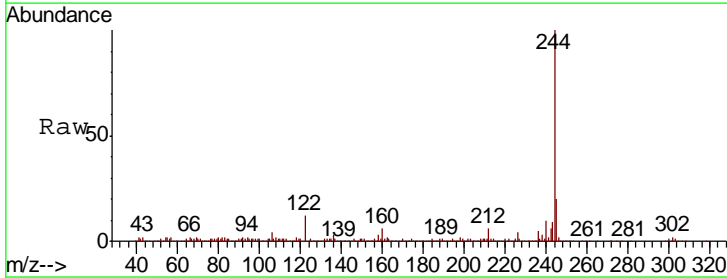
Manual Integrations
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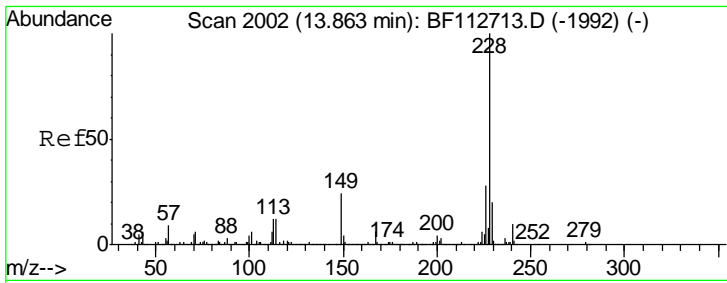
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#79
 Terphenyl-d14
 Concen: 10.876 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

Tgt Ion	Resp	Lower	Upper
244	297823		
212	6.3	5.6	8.4
122	12.1	10.5	15.7





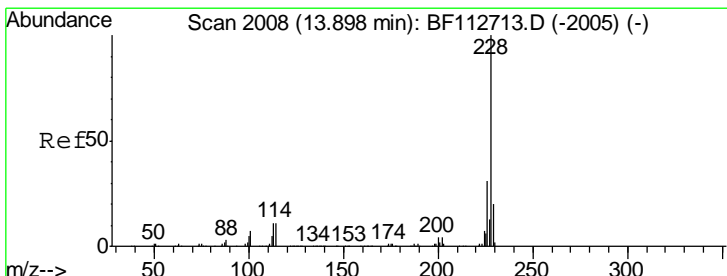
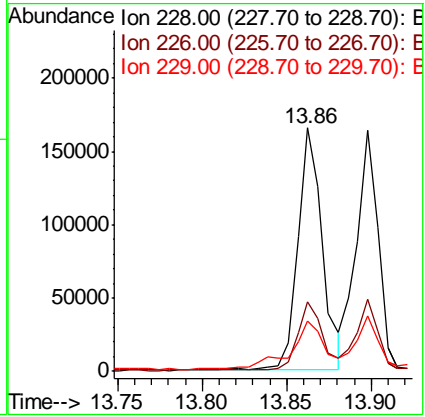
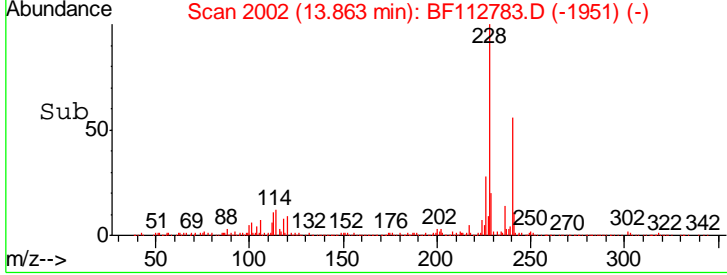
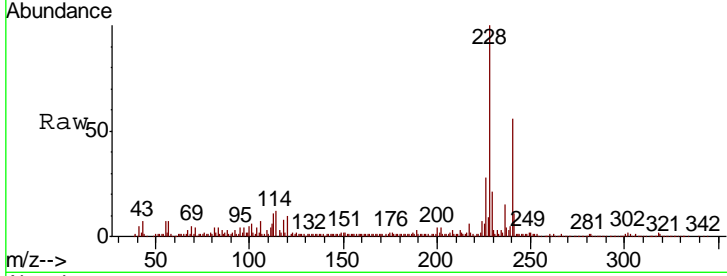
#81
 Benzo(a)anthracene
 Concen: 4.542 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

Instrument :
 BNA_F
 ClientSampled :
 OR-03-022719-B

Tgt Ion	Resp	Lower	Upper
228	167088		
226	28.3	22.2	33.4
229	20.8	16.0	24.0

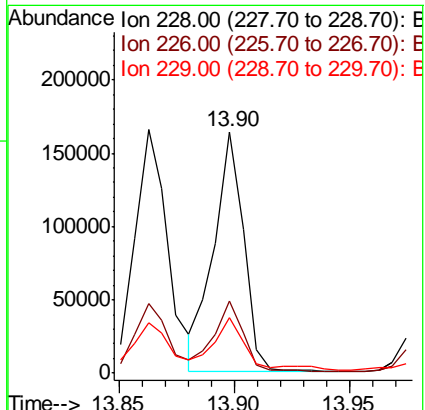
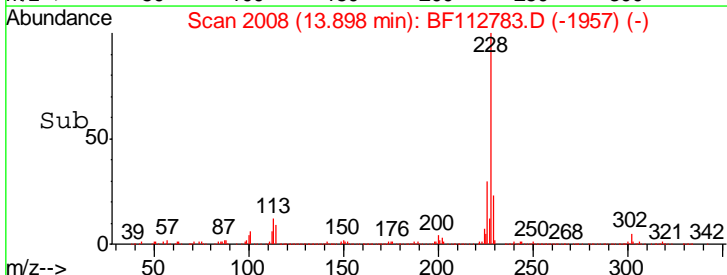
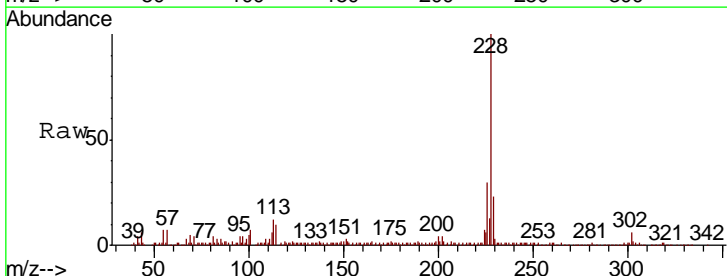
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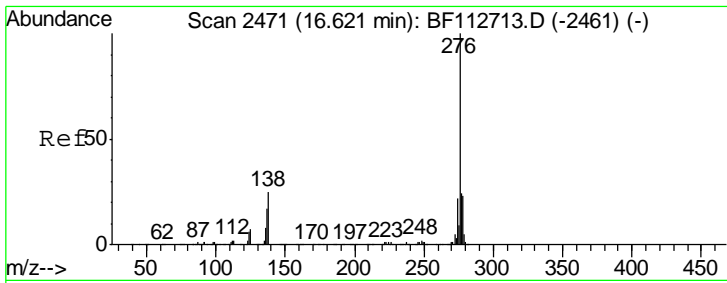
Sohil
 3/1/2019 3:00:31 PM



#83
 Chrysene
 Concen: 4.090 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

Tgt Ion	Resp	Lower	Upper
228	147381		
226	30.1	24.9	37.3
229	23.2	16.3	24.5



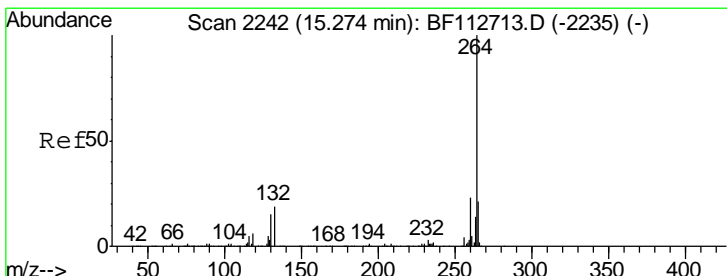
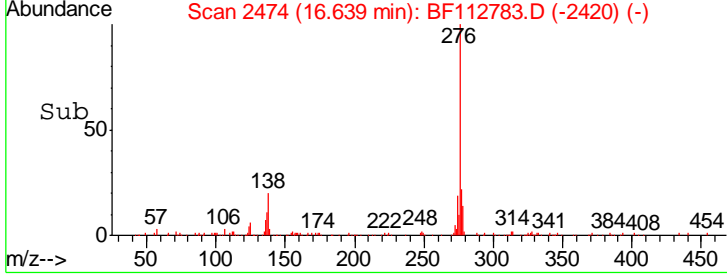
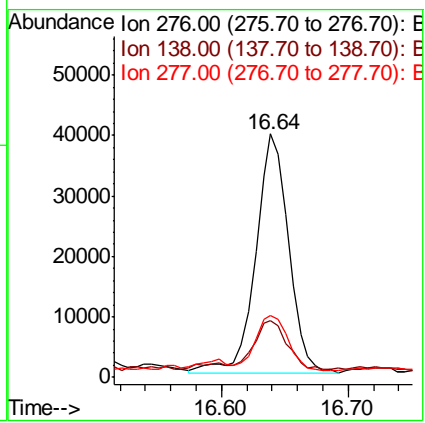
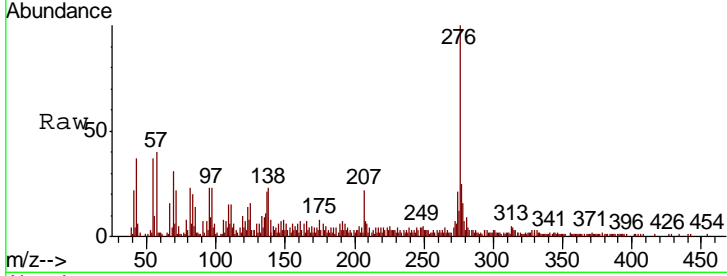


#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.319 ng
 RT: 16.64 min Scan# 2474
 Delta R.T. 0.02 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

Instrument :
 BNA_F
 ClientSampled :
 OR-03-022719-B

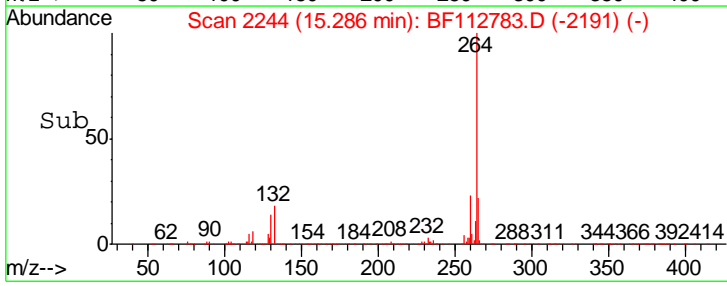
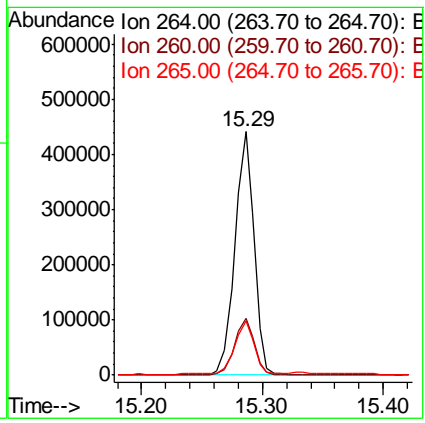
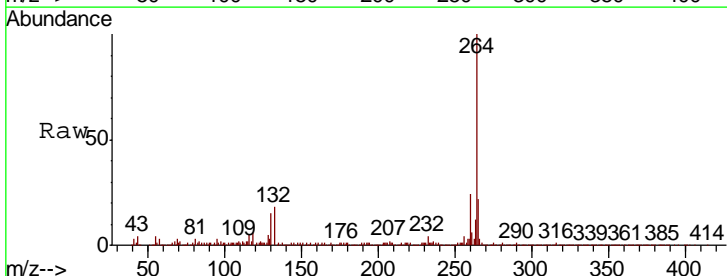
Tgt Ion	Resp	Lower	Upper
276	100		
138	20.2	23.2	34.8#
277	22.9	19.9	29.9

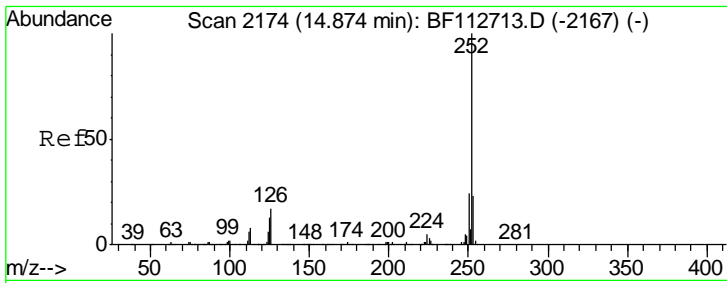
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 3/1/2019 3:00:31 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2244
 Delta R.T. 0.01 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

Tgt Ion	Resp	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.1	17.2	25.8





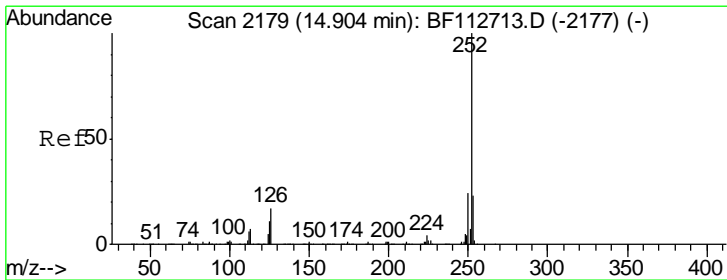
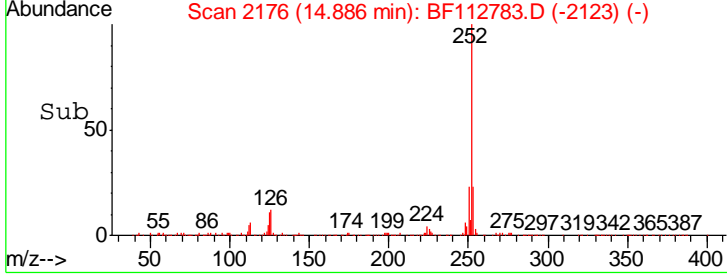
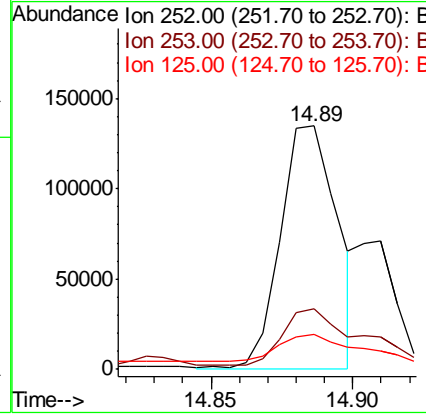
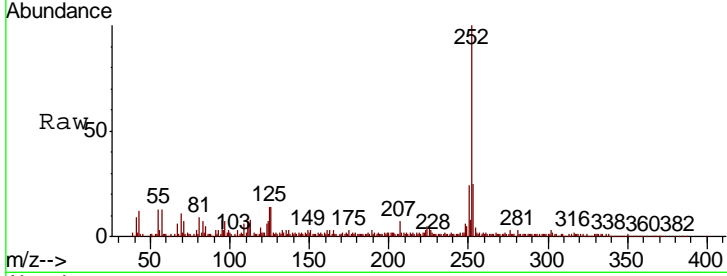
#88
 Benzo(b)fluoranthene
 Concen: 5.928 ng m
 RT: 14.89 min Scan# 2176
 Delta R.T. 0.01 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

Instrument :
 BNA_F
ClientSampled :
 OR-03-022719-B

Tgt Ion	Resp	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	14.3	10.2	15.2

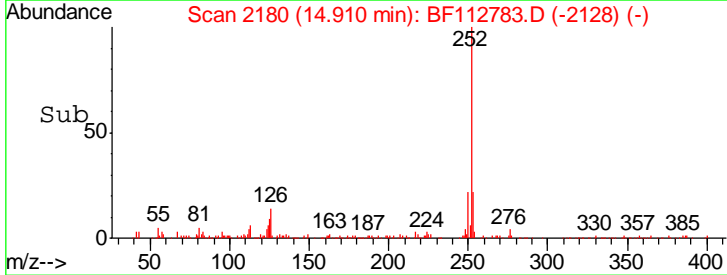
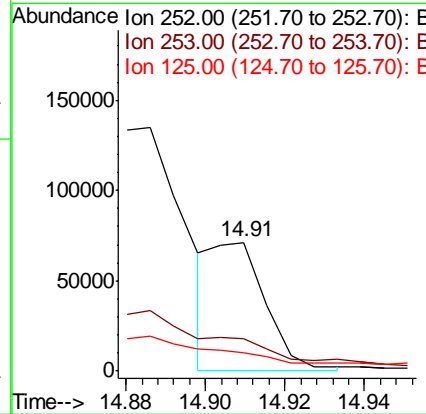
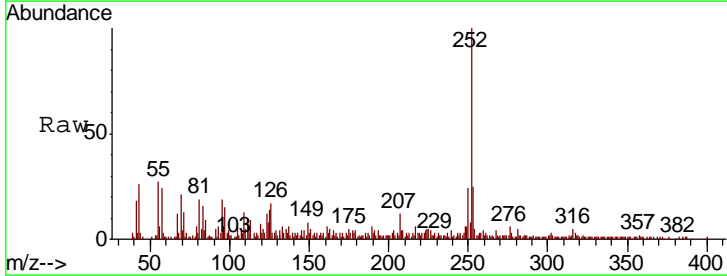
Manual Integrations
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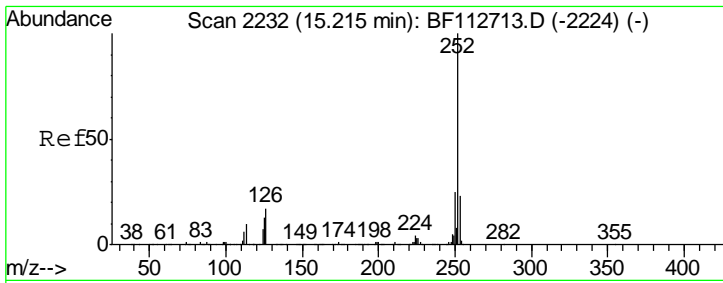
Sohil
 3/1/2019 3:00:31 PM



#89
 Benzo(k)fluoranthene
 Concen: 2.367 ng m
 RT: 14.91 min Scan# 2180
 Delta R.T. 0.01 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

Tgt Ion	Resp	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	14.3	9.8	14.6





#90
 Benzo(a)pyrene
 Concen: 4.861 ng
 RT: 15.22 min Scan# 2233
 Delta R.T. 0.01 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

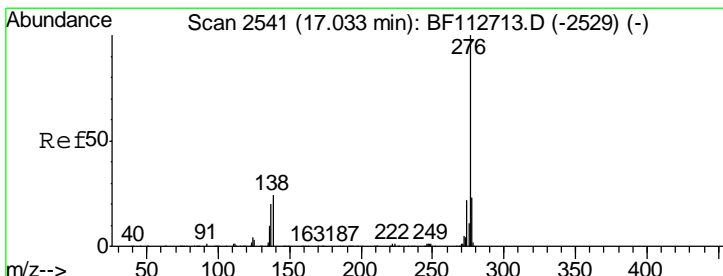
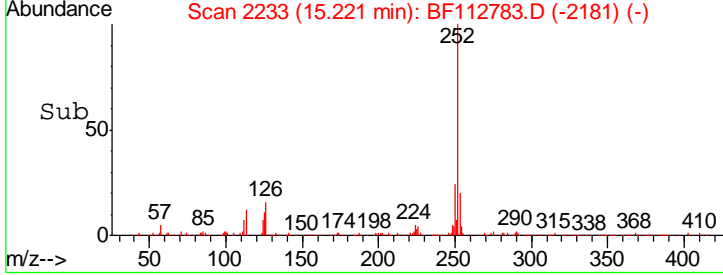
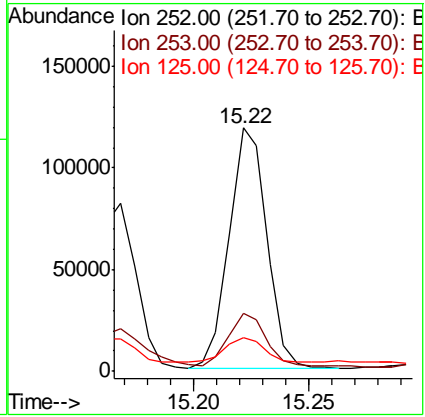
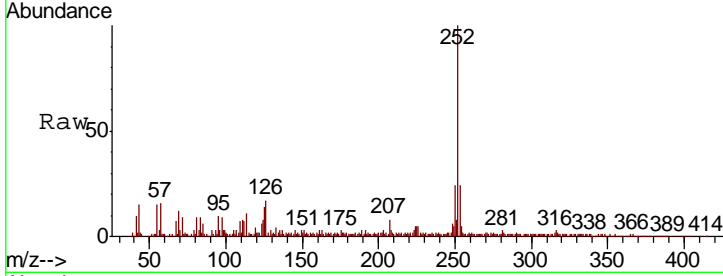
Instrument :
 BNA_F
Client Sampled :
 OR-03-022719-B

Tgt Ion: 252 Resp: 135029

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	14.0	10.7	16.1

Manual Integrations
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 3/1/2019 3:00:31 PM



#92
 Benzo(g,h,i)perylene
 Concen: 2.772 ng
 RT: 17.05 min Scan# 2544
 Delta R.T. 0.02 min
 Lab File: BF112783.D
 Acq: 1 Mar 2019 1:21

Tgt Ion: 276 Resp: 65969

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.6	27.8
138	24.1	19.4	29.0

