

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112976.D
 Acq On : 12 Mar 2019 1:06
 Operator : JU/SJ
 Sample : K1785-07 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 SD1-0.0-0.5

Manual Integrations
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Sohil
 3/12/2019 4:29:02 PM

Quant Time: Mar 12 07:07:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	148199	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	558384	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	338398	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	681238	20.00	ng	0.00
76) Chrysene-d12	13.87	240	490444	20.00	ng	0.00
87) Perylene-d12	15.27	264	402180	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	157820	16.57	ng	-0.01
7) Phenol-d6	6.36	99	226996	18.97	ng	0.00
23) Nitrobenzene-d5	7.29	82	120837	12.95	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	79798	22.21	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	251170	8.72	ng	-0.01
79) Terphenyl-d14	12.82	244	214501	8.48	ng	-0.01
Target Compounds						
71) Phenanthrene	11.26	178	553924	16.343	ng	98
72) Anthracene	11.32	178	211952	5.974	ng	98
75) Fluoranthene	12.45	202	1113865	30.673	ng	96
78) Pyrene	12.67	202	946403	22.890	ng	99
81) Benzo(a)anthracene	13.86	228	575876	16.942	ng	98
83) Chrysene	13.89	228	459355	13.796	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	142640m	5.025	ng	
88) Benzo(b)fluoranthene	14.87	252	511377m	19.658	ng	
89) Benzo(k)fluoranthene	14.90	252	170323m	7.228	ng	
90) Benzo(a)pyrene	15.22	252	319204	13.872	ng	97
91) Dibenzo(a,h)anthracene	16.63	278	39926m	2.033	ng	
92) Benzo(a,h,i)perylene	17.04	276	123361	6.257	ng	97

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

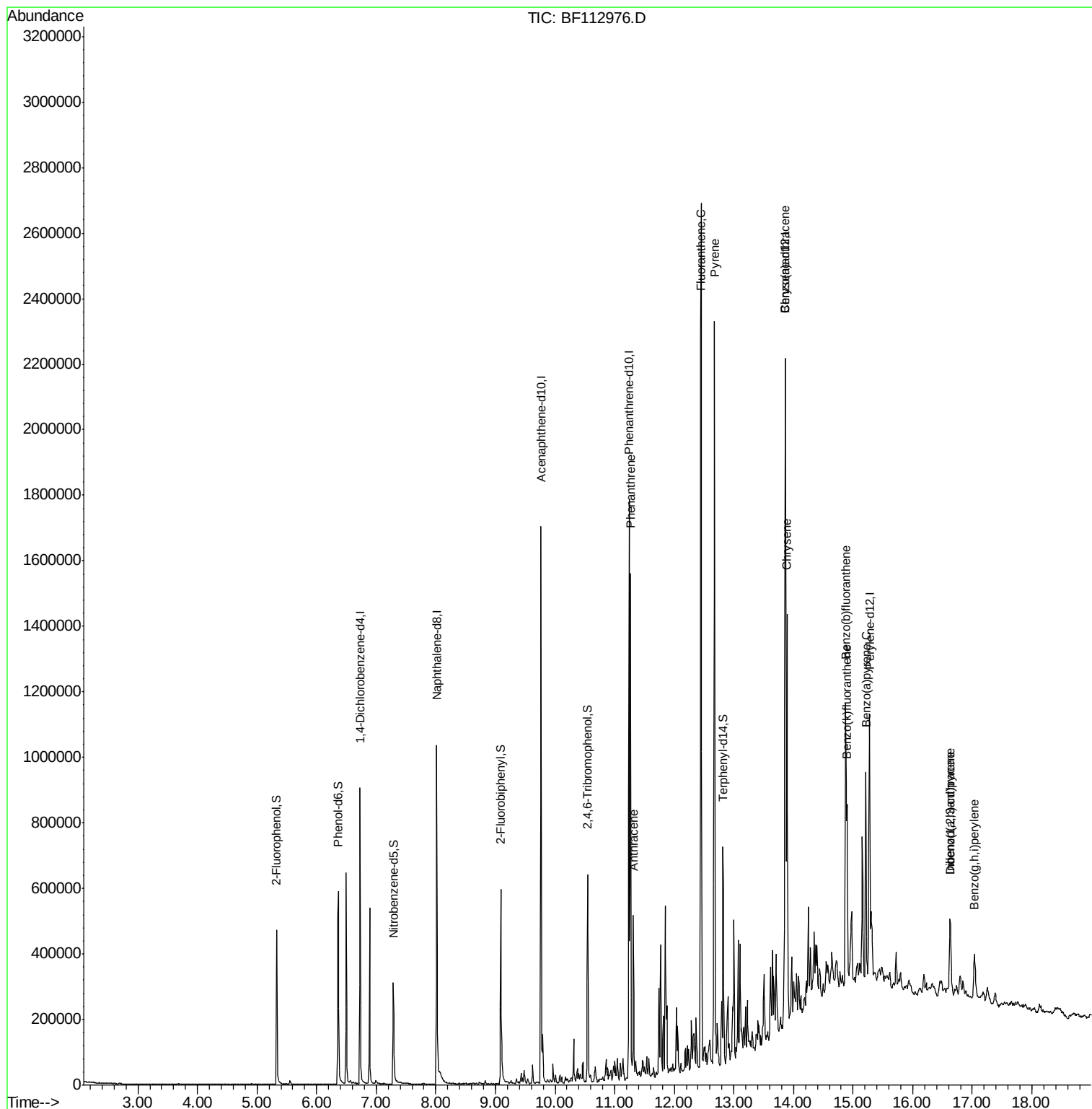
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112976.D
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Sample : K1785-07 5X
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ALS Vial : 24 Sample Multiplier: 1

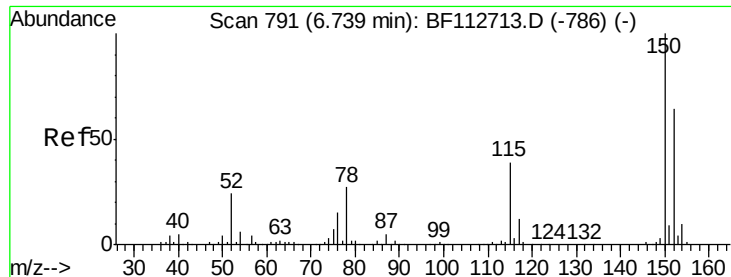
Instrument :
BNA_F
ClientSampleId :
SD1-0.0-0.5

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
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#1

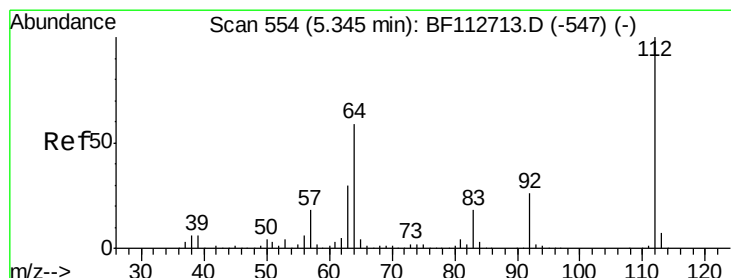
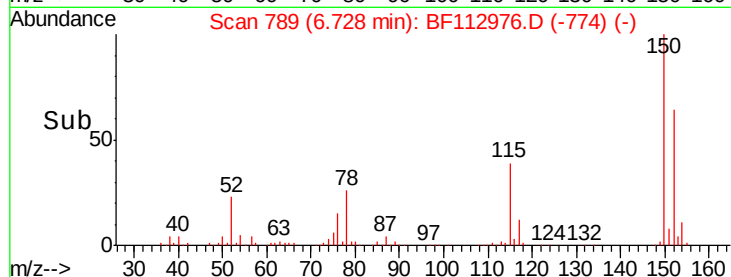
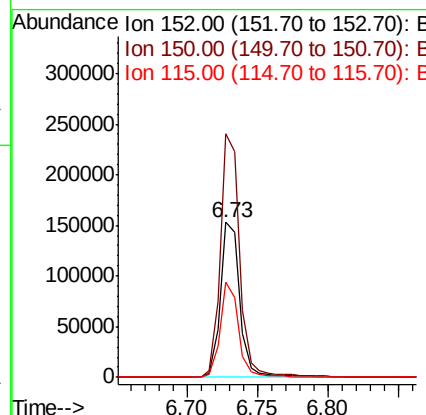
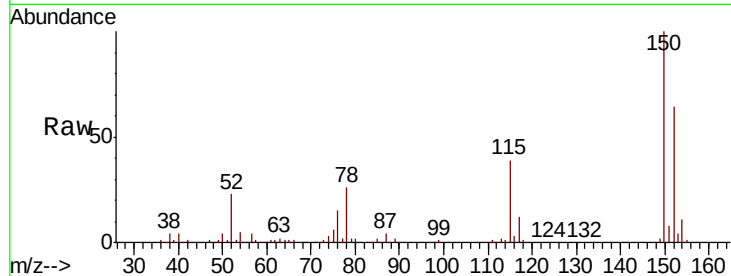
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Instrument :
BNA_F
ClientSampleId :
SD1-0.0-0.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.2	186.2
115	61.1	48.2	72.4

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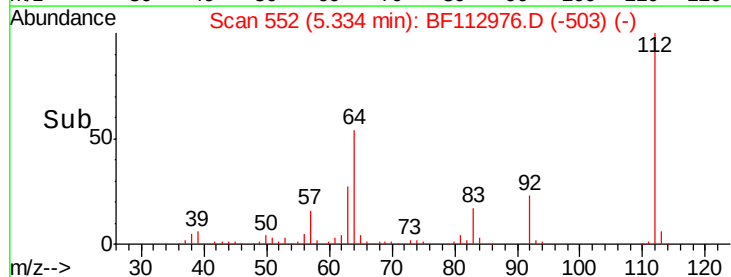
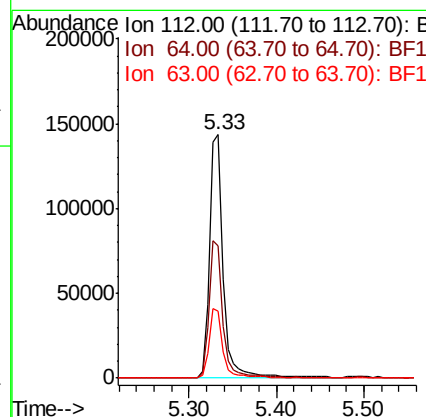
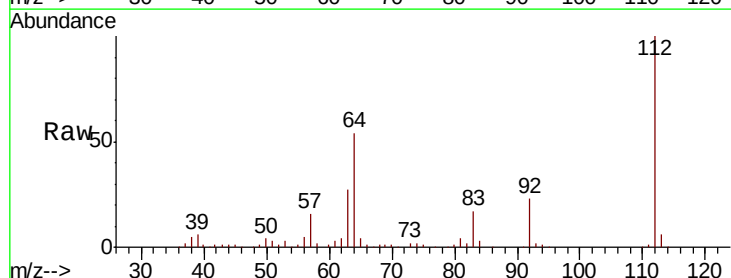
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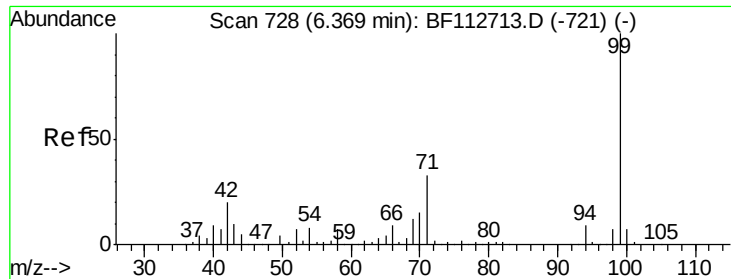


#5

2-Fluorophenol
Concen: 16.565 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.6	71.4
63	27.4	24.4	36.6





#7

Phenol-d6

Concen: 18.967 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

Instrument :

BNA_F

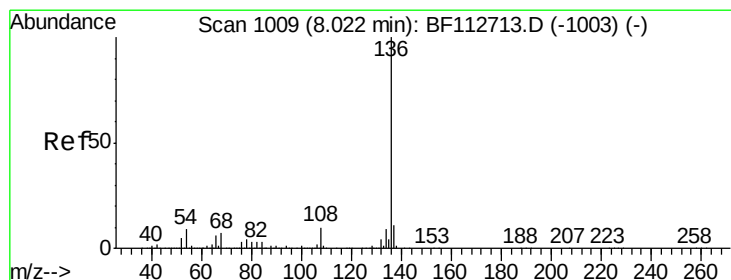
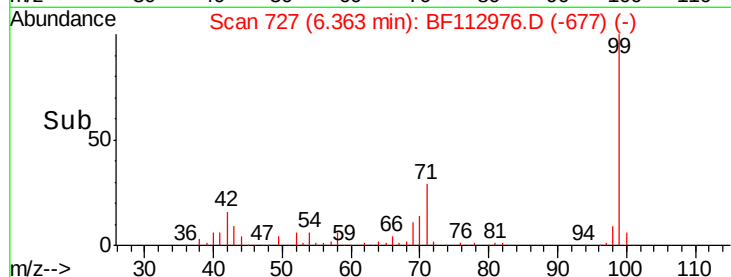
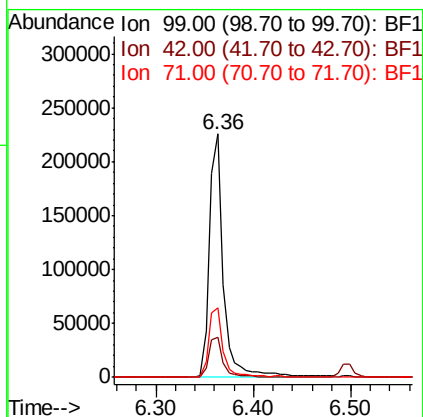
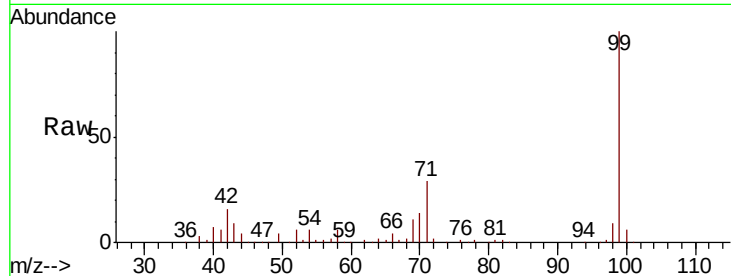
ClientSampleId :

SD1-0.0-0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		226996		
42	16.5	16.3	24.5		
71	28.7	26.2	39.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

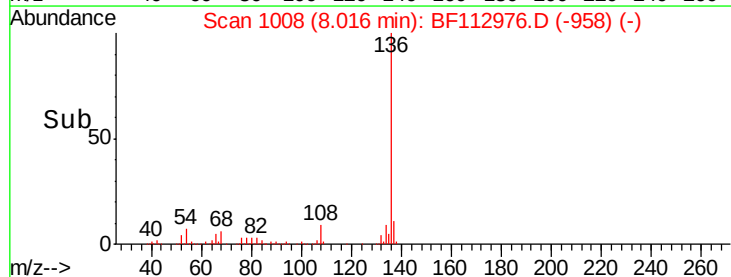
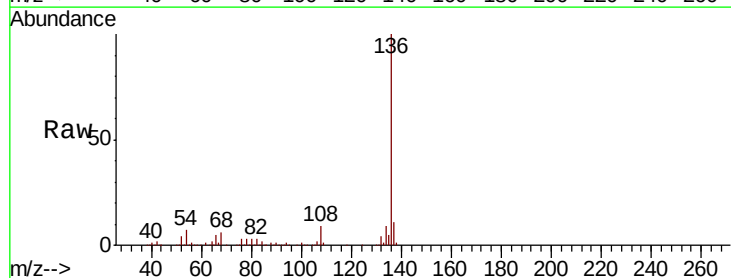
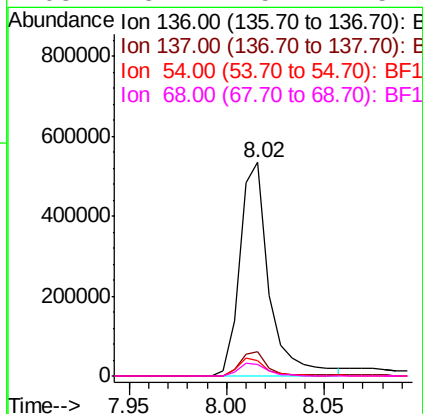
RT: 8.02 min Scan# 1008

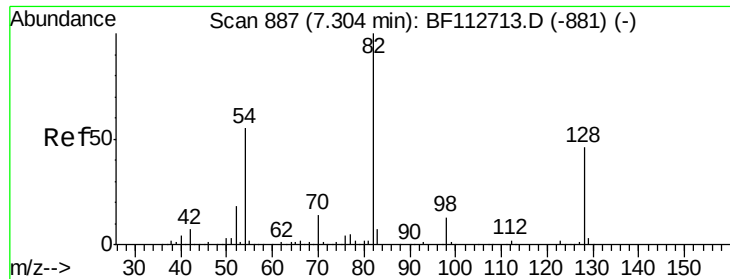
Delta R.T. -0.01 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		558384		
137	11.1	8.9	13.3		
54	7.2	7.3	10.9		
68	5.7	5.4	8.2		





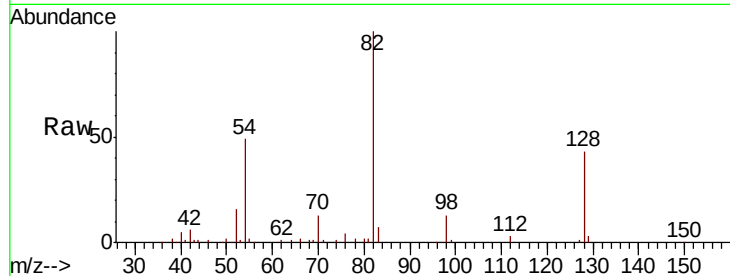
#23
Nitrobenzene-d5
Concen: 12.949 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Instrument :
BNA_F
ClientSampled :
SD1-0.0-0.5

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.3	36.3	54.5
54	49.1	43.7	65.5

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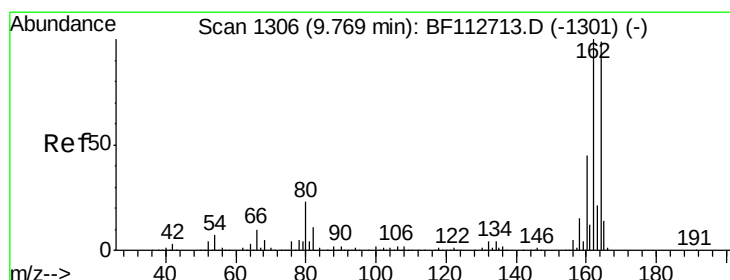
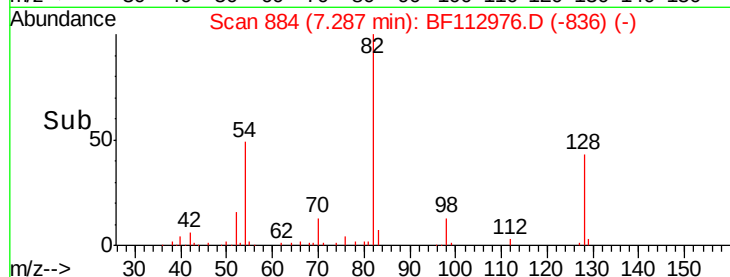
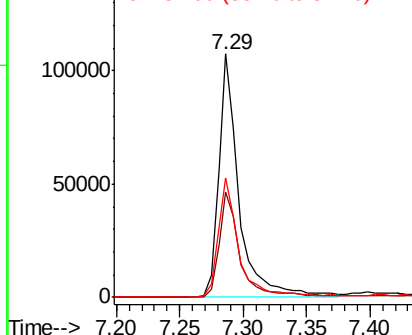


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

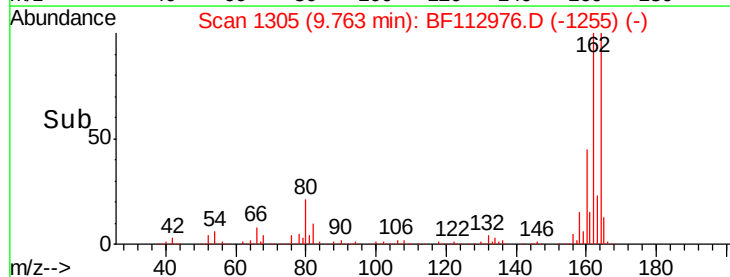
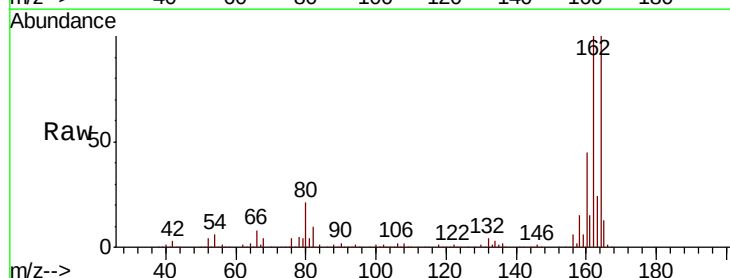
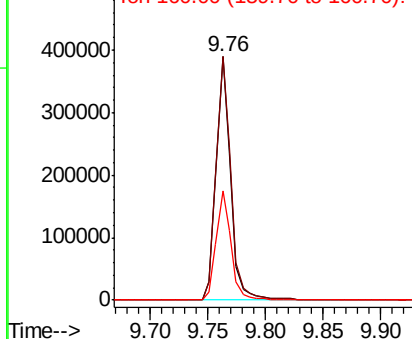
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	44.9	36.0	54.0

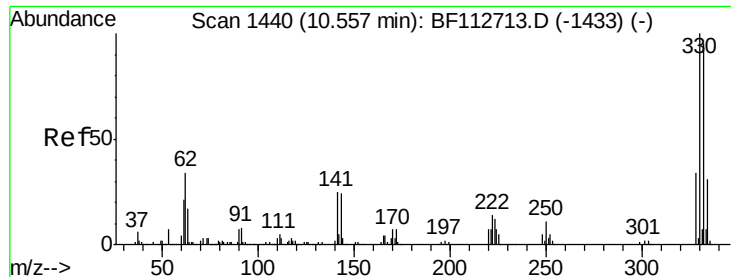
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 22.212 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

Instrument :

BNA_F

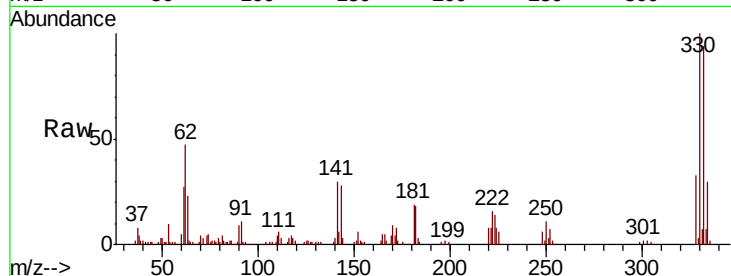
ClientSampled :

SD1-0.0-0.5

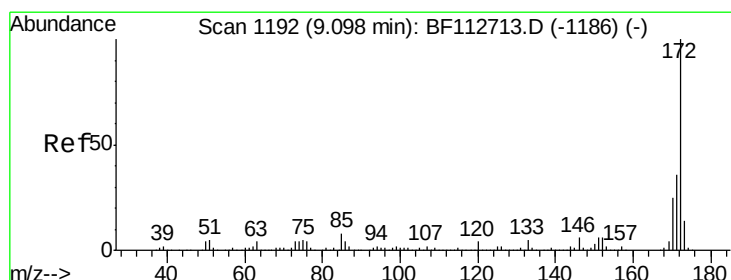
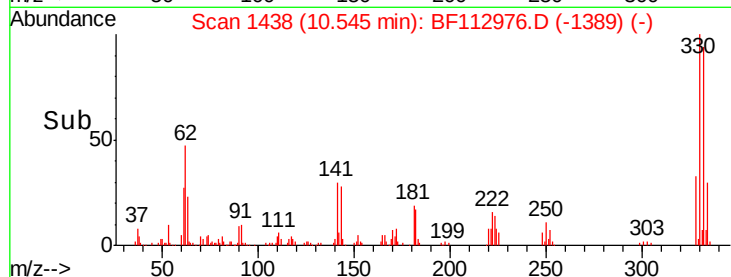
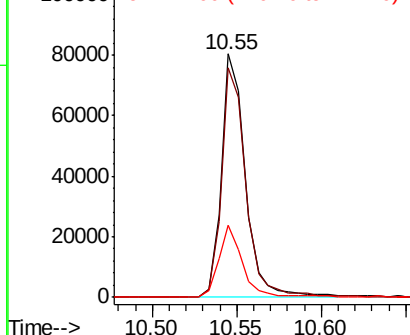
Tot Ion:	330	Resp:	79798
Ion Ratio	Lower	Upper	
330	100		
332	96.8	76.2	114.4
141	29.8	27.0	40.6

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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: 8.716 ng

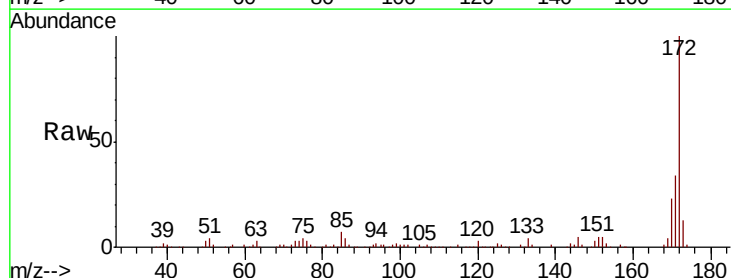
RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

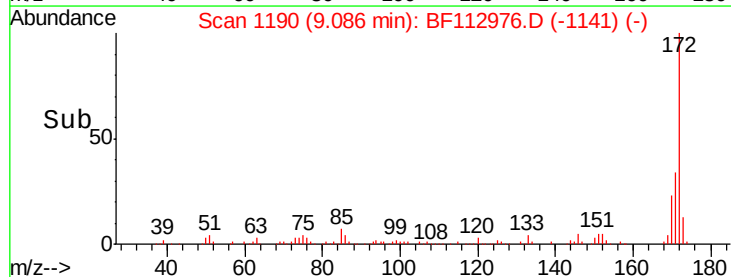
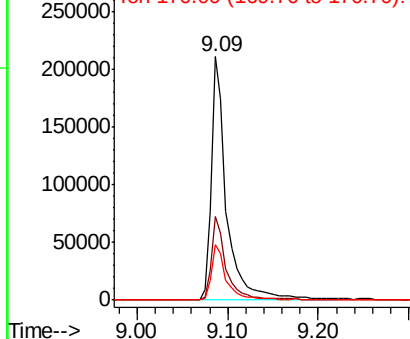
Lab File: BF112976.D

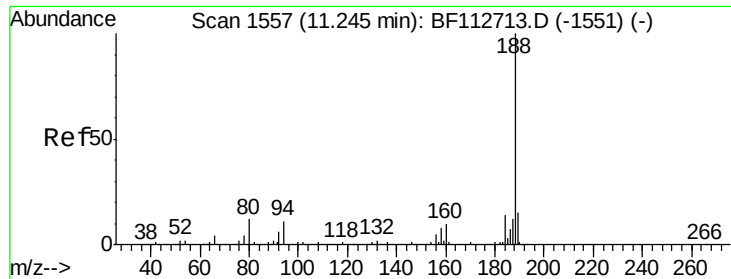
Acq: 12 Mar 2019 1:06

Tgt Ion:	172	Resp:	251170
Ion Ratio	Lower	Upper	
172	100		
171	34.3	29.0	43.4
170	22.8	20.0	30.0



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

Instrument :

BNA_F

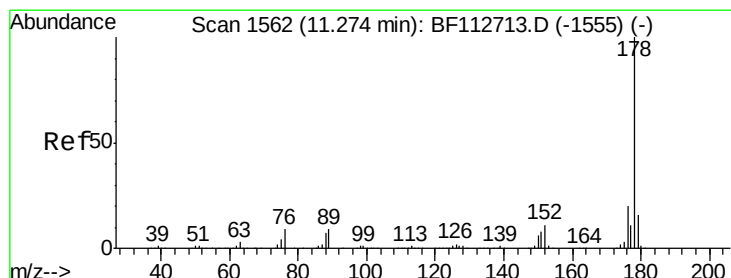
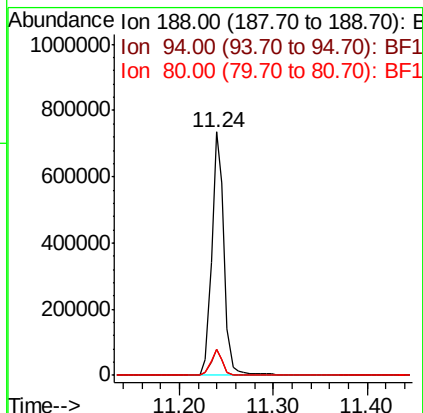
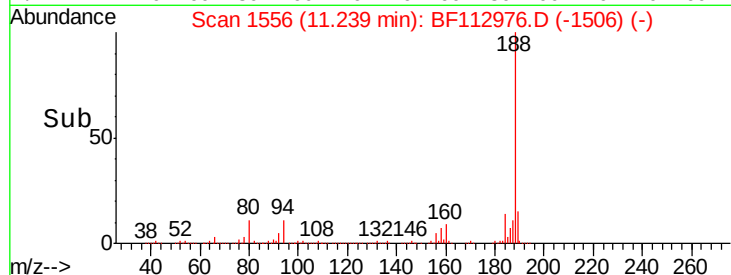
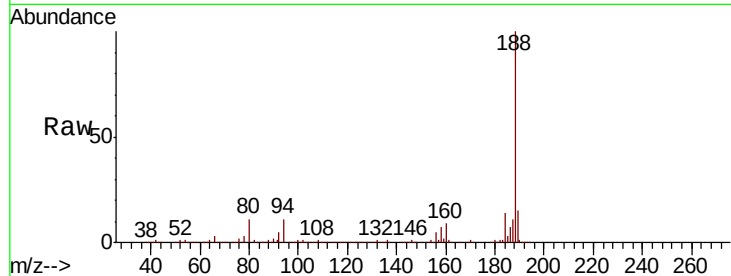
ClientSampled :

SD1-0.0-0.5

Tot Ion:	188	Resp:	681238
Ion Ratio	Lower	Upper	
188	100		
94	10.7	9.0	13.4
80	10.7	9.2	13.8

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#71

Phenanthrene

Concen: 16.343 ng

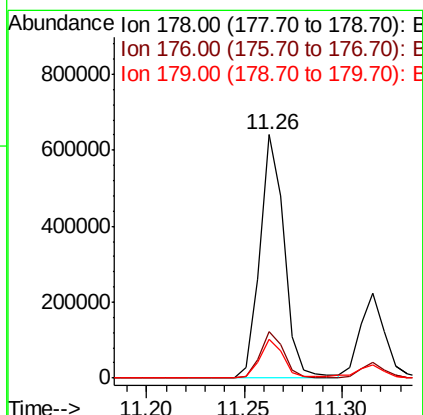
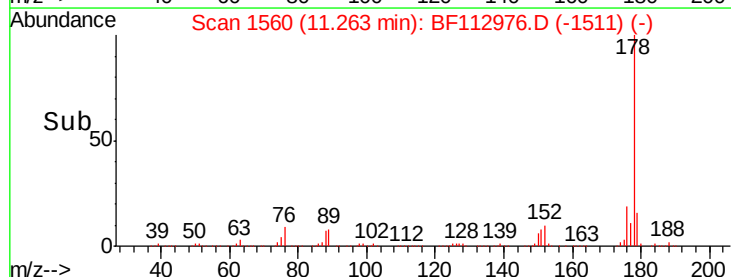
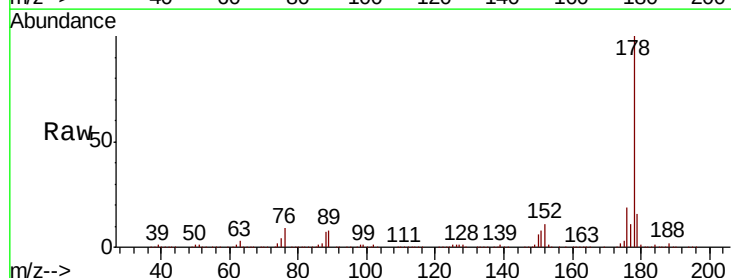
RT: 11.26 min Scan# 1560

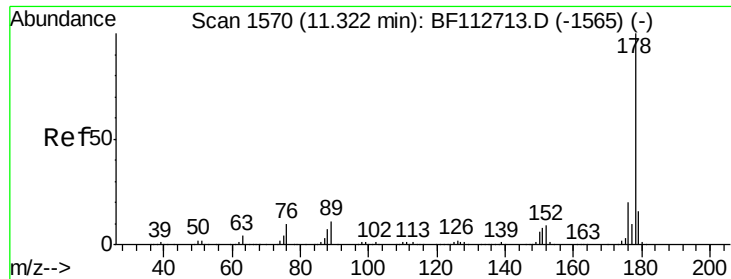
Delta R.T. -0.01 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

Tgt Ion:	178	Resp:	553924
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.3	24.5
179	15.8	12.7	19.1





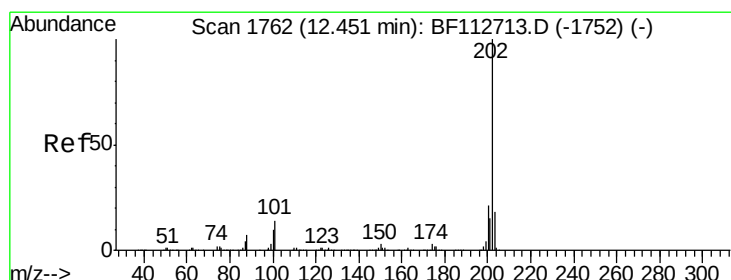
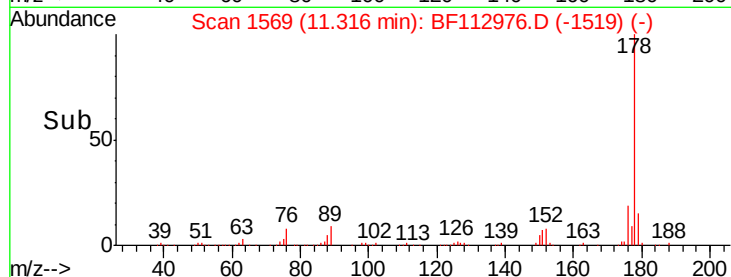
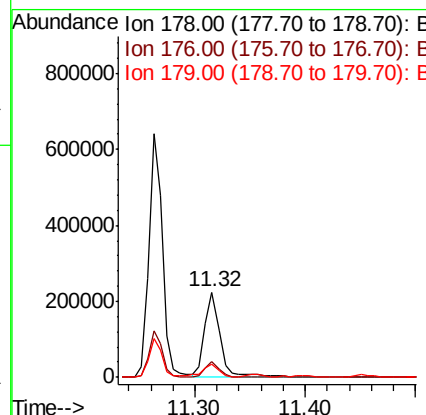
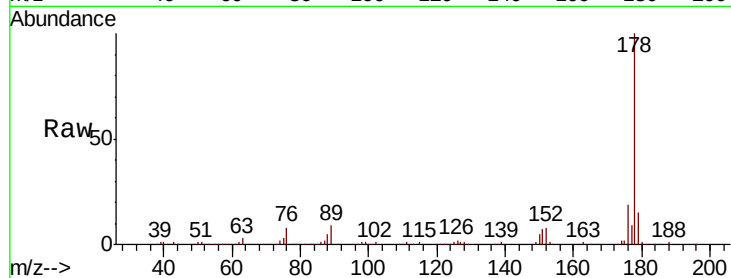
#72
 Anthracene
 Concen: 5.974 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF112976.D
 Acq: 12 Mar 2019 1:06

Instrument :
 BNA_F
 ClientSampleId :
 SD1-0.0-0.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	15.5	13.0	19.6

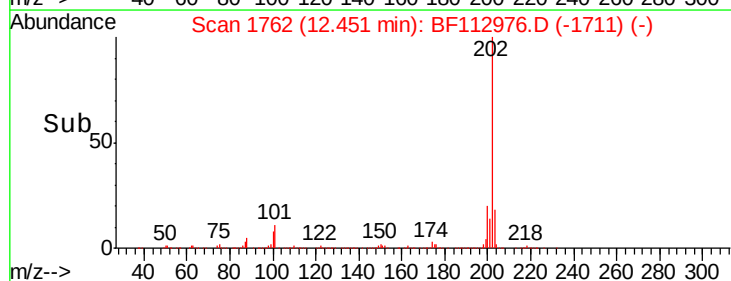
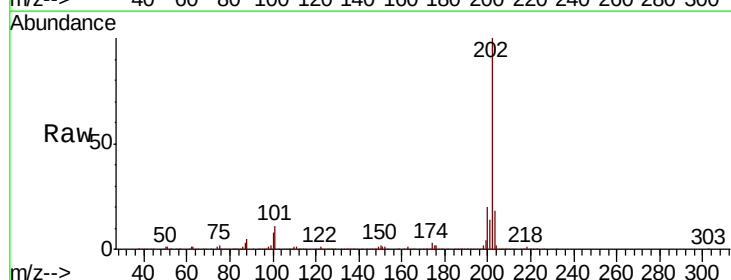
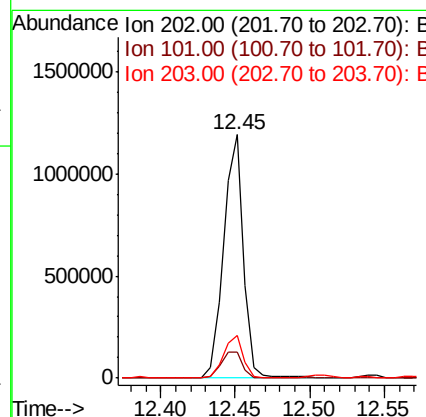
Manual Integrations
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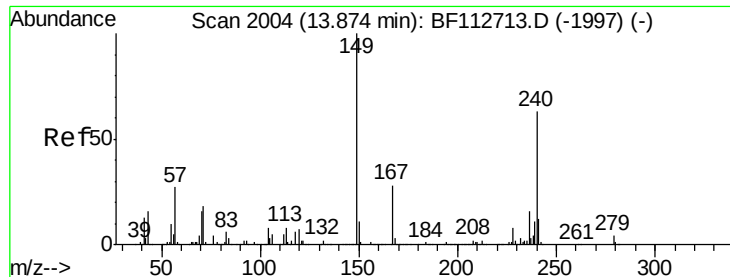
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#75
 Fluoranthene
 Concen: 30.673 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF112976.D
 Acq: 12 Mar 2019 1:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	33.8
203	17.6	0.0	38.4





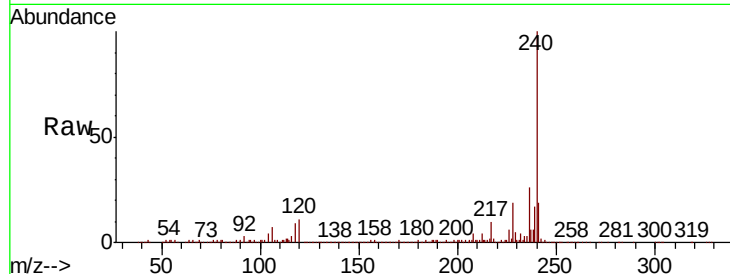
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Instrument :
BNA_F
ClientSampled :
SD1-0.0-0.5

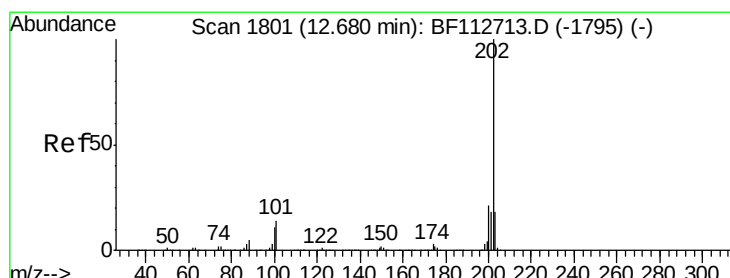
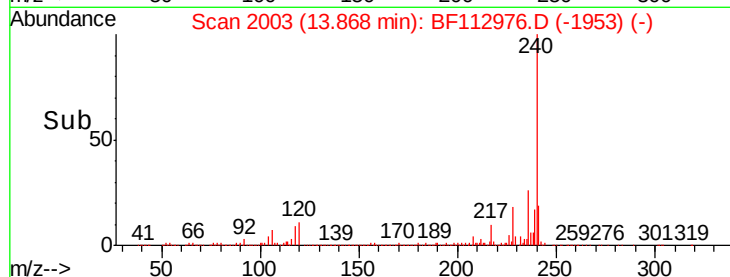
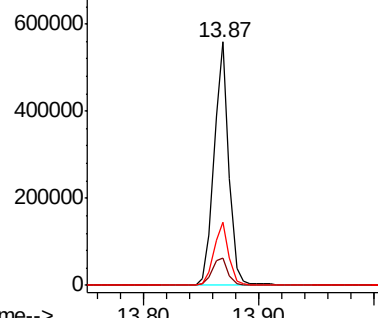
Tot Ion	Ratio	Resp	Lower	Upper
240	100	490444		
120	11.0	8.9	13.3	
236	26.2	20.7	31.1	

Manual Integrations
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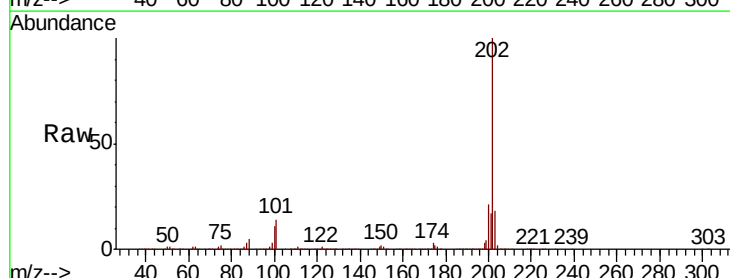


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

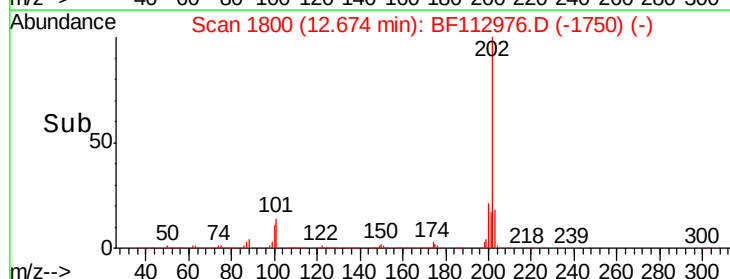
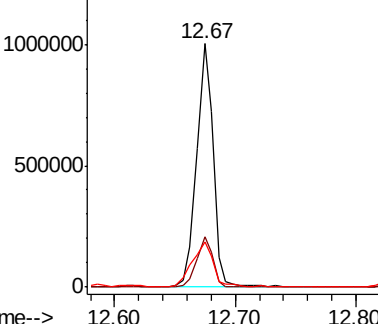


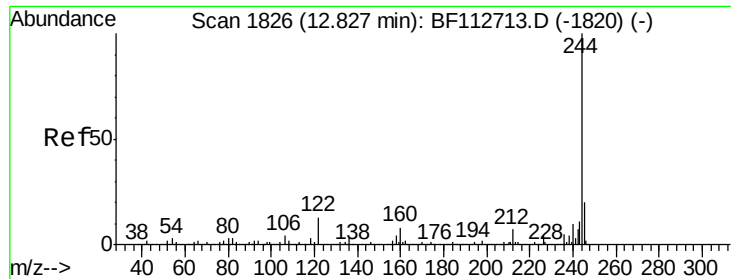
#78
Pyrene
Concen: 22.890 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	946403		
200	20.8	17.0	25.4	
203	18.4	14.4	21.6	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





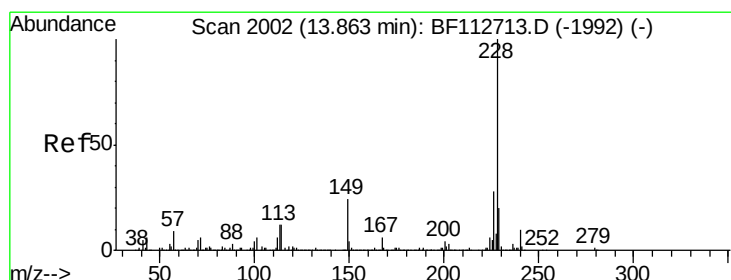
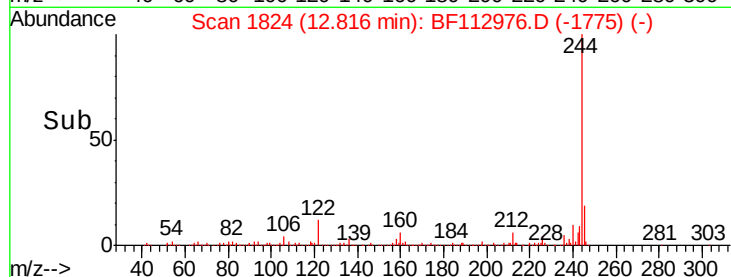
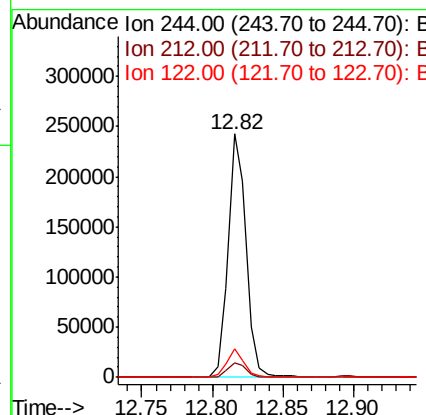
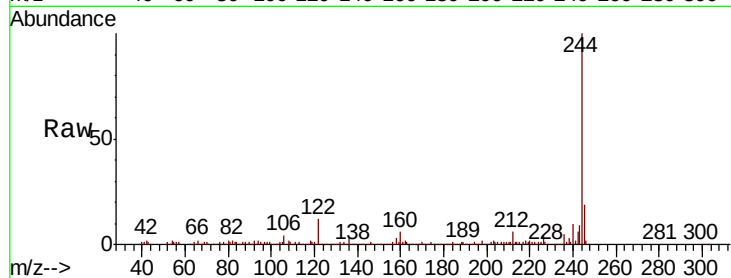
#79
 Terphenyl-d14
 Concen: 8.478 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112976.D
 Acq: 12 Mar 2019 1:06

Instrument :
 BNA_F
 ClientSampleId :
 SD1-0.0-0.5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.6	8.4
122	11.9	10.5	15.7

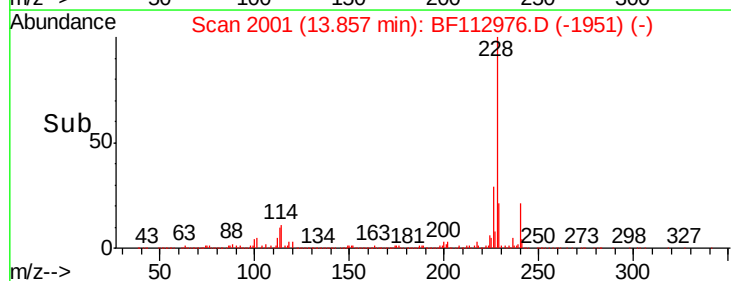
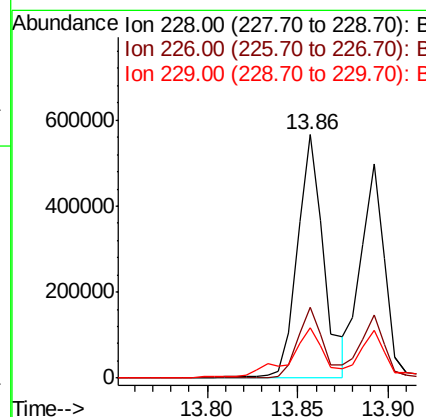
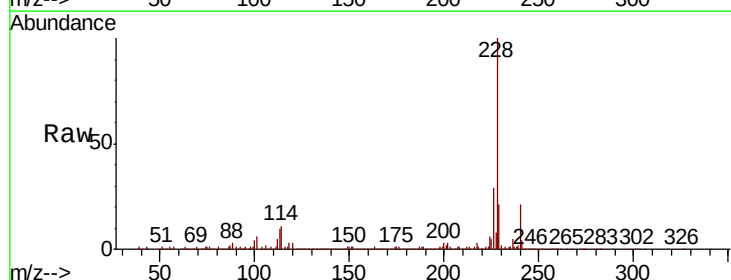
Manual Integrations
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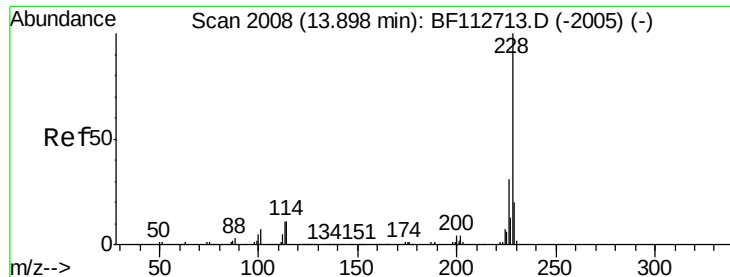
Sohil
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#81
 Benzo(a)anthracene
 Concen: 16.942 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF112976.D
 Acq: 12 Mar 2019 1:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.2	33.4
229	20.9	16.0	24.0





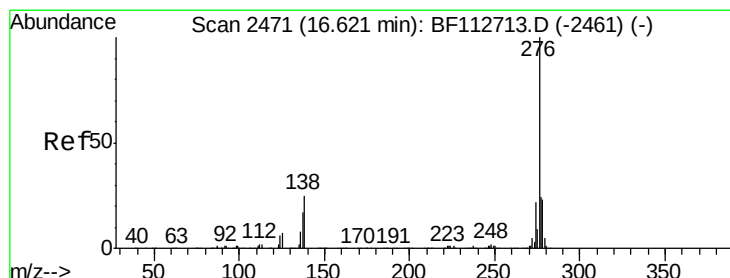
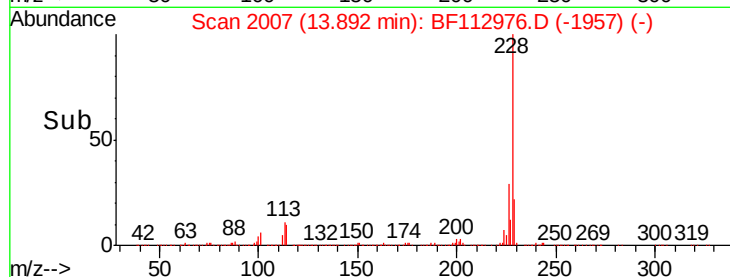
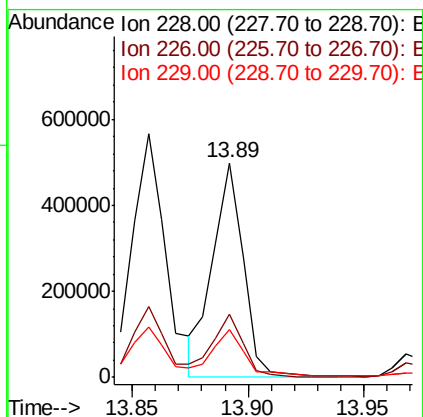
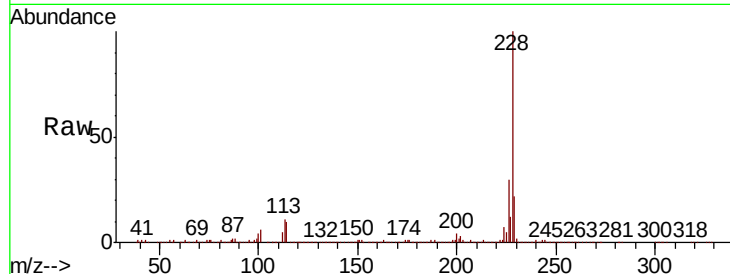
#83
Chrysene
Concen: 13.796 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Instrument :
BNA_F
ClientSampleId :
SD1-0.0-0.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	22.3	16.3	24.5

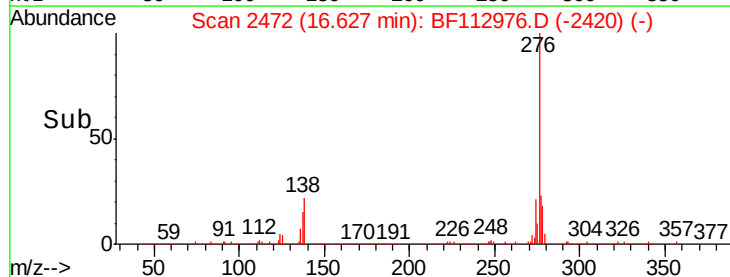
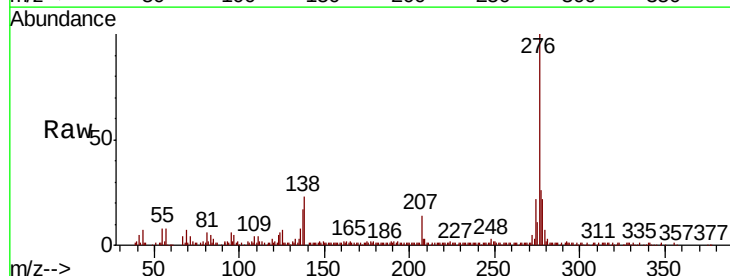
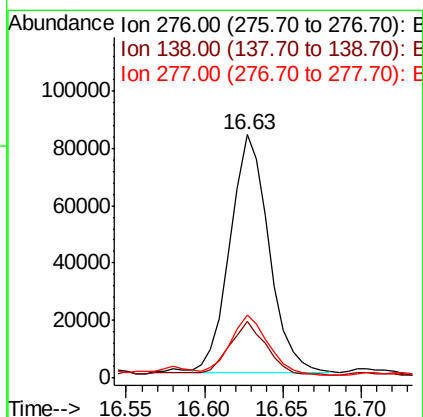
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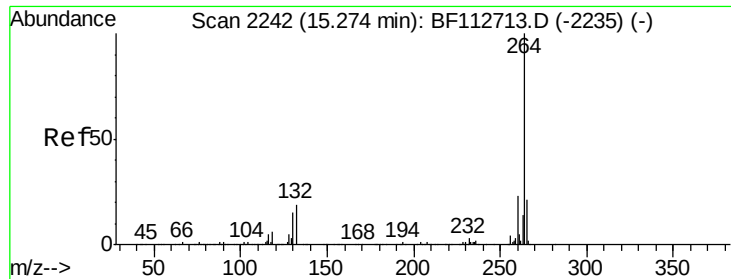
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.025 ng m
RT: 16.63 min Scan# 2472
Delta R.T. 0.01 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.5	23.2	34.8#
277	5.3	19.9	29.9#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.00 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

Instrument :

BNA_F

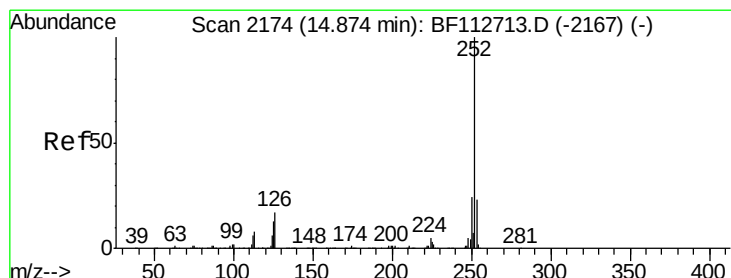
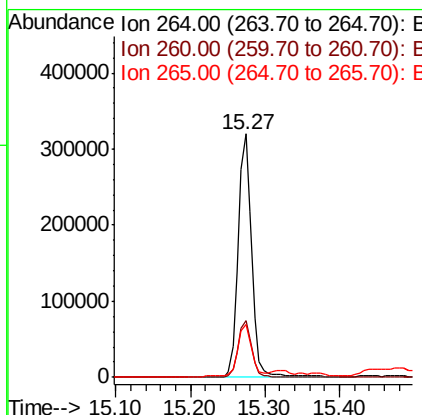
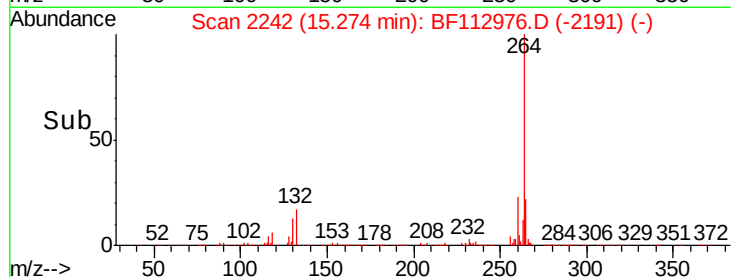
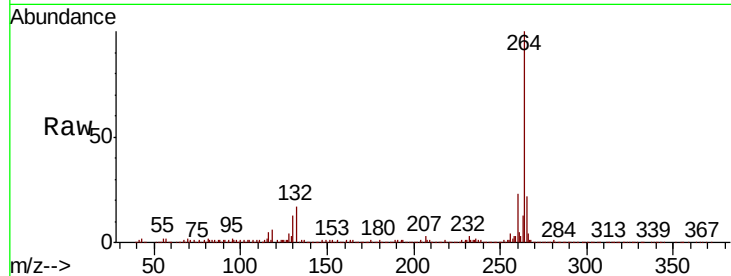
ClientSampleId :

SD1-0.0-0.5

Tot Ion:	264	Resp:	402180
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.7	28.1
265	21.9	17.2	25.8

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 19.658 ng m

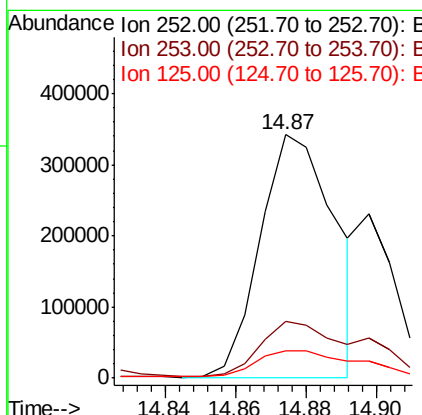
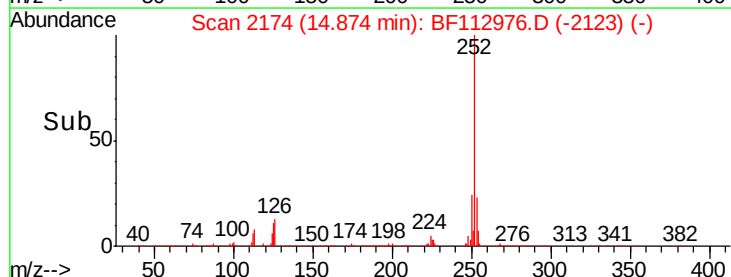
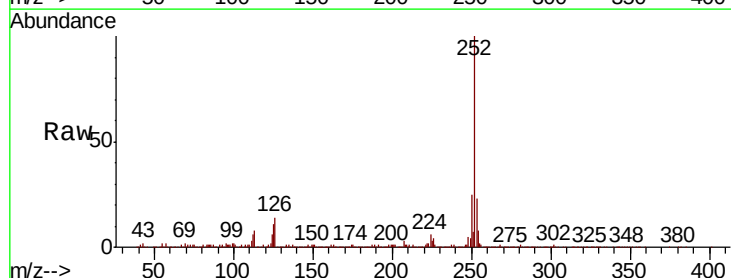
RT: 14.87 min Scan# 2174

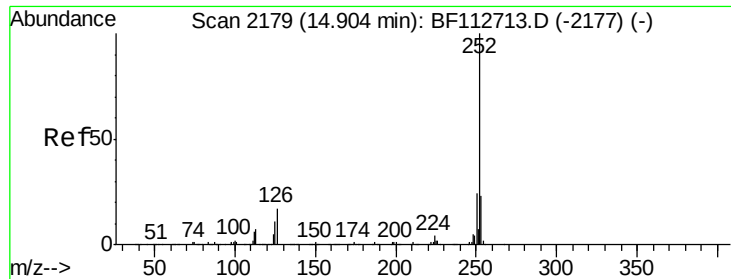
Delta R.T. 0.00 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

Tgt Ion:	252	Resp:	511377
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.0	27.0
125	11.3	10.2	15.2





#89

Benzo(k)fluoranthene

Concen: 7.228 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

Instrument :

BNA_F

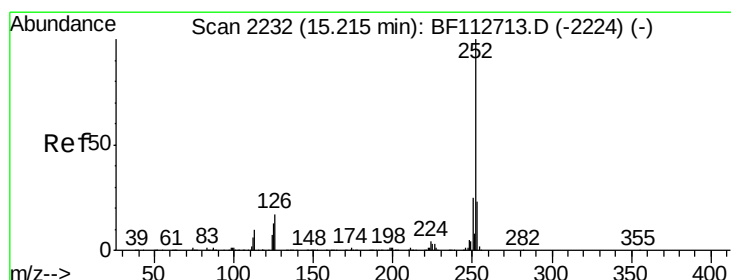
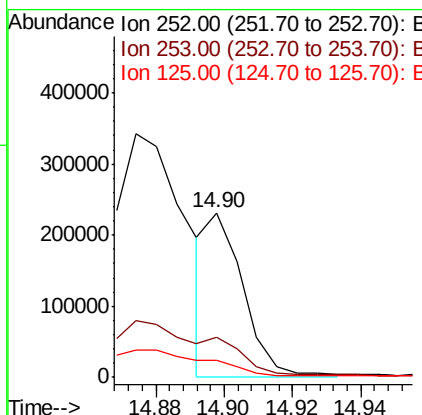
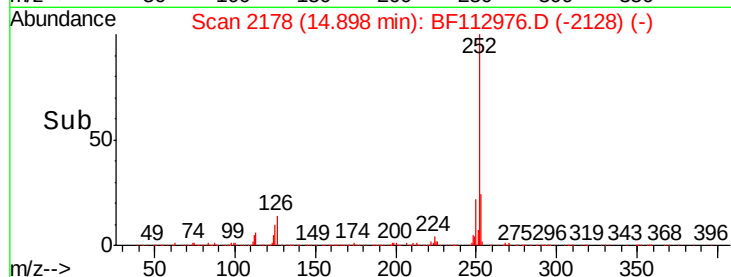
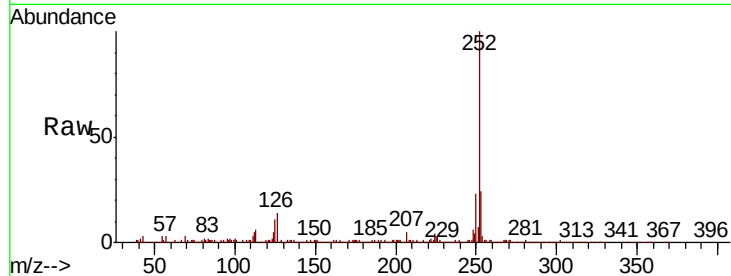
ClientSampleId :

SD1-0.0-0.5

Tot Ion:	252	Resp:	170323
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.2	27.2
125	10.5	9.8	14.6

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#90

Benzo(a)pyrene

Concen: 13.872 ng

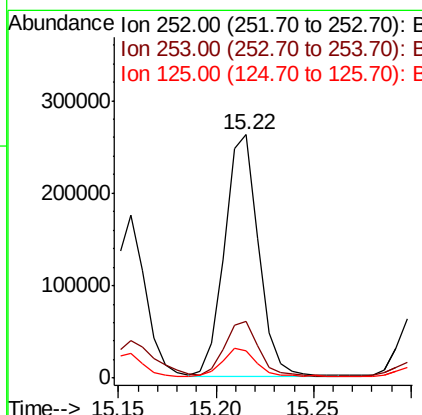
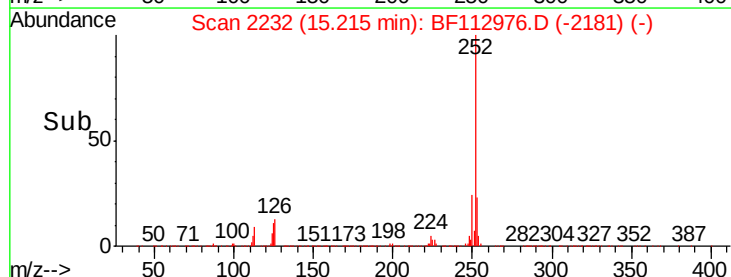
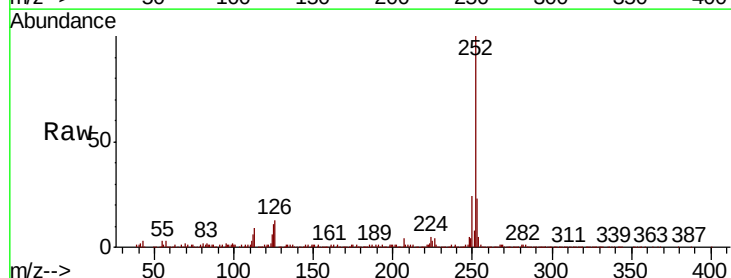
RT: 15.22 min Scan# 2232

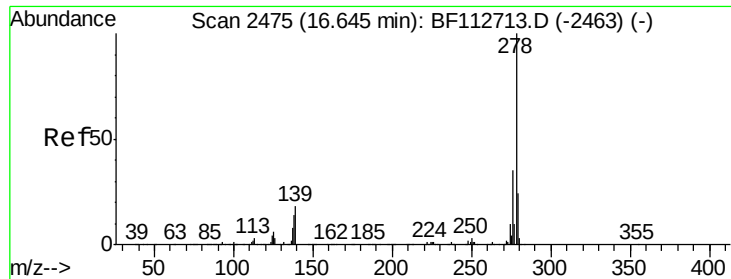
Delta R.T. 0.00 min

Lab File: BF112976.D

Acq: 12 Mar 2019 1:06

Tgt Ion:	252	Resp:	319204
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.0	27.0
125	11.3	10.7	16.1





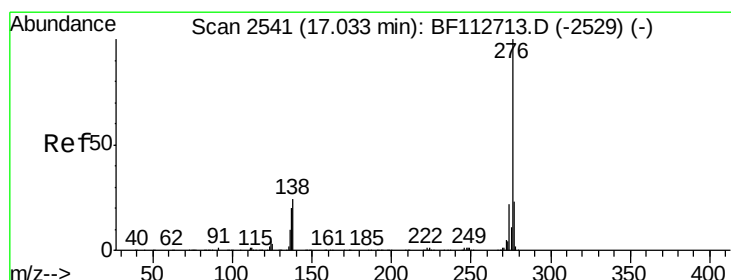
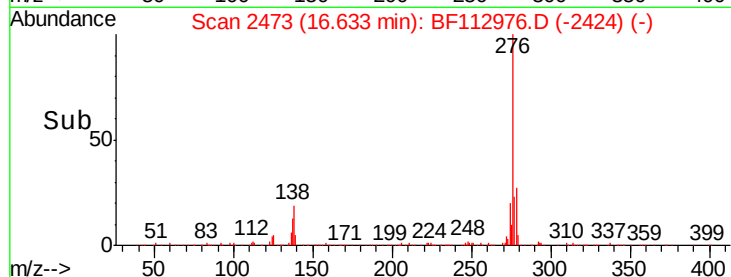
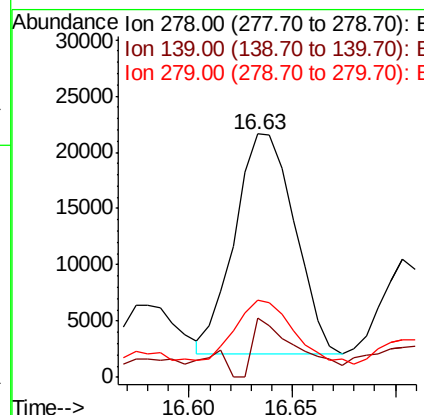
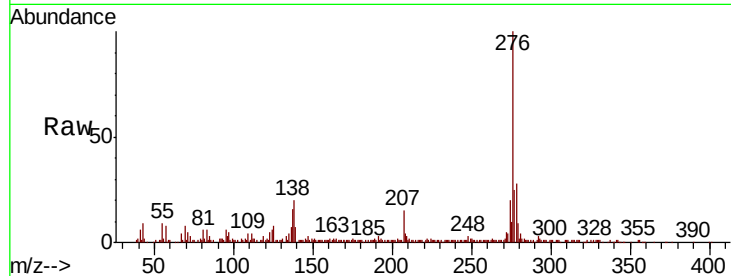
#91
Dibenzo(a,h)anthracene
Concen: 2.033 ng m
RT: 16.63 min Scan# 2473
Delta R.T. -0.01 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Instrument :
BNA_F
ClientSampled :
SD1-0.0-0.5

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.4	14.3	21.5#
279	31.5	19.4	29.0#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.257 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF112976.D
Acq: 12 Mar 2019 1:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	27.8
138	22.0	19.4	29.0

