

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
 Data File : BF112726.D
 Acq On : 27 Feb 2019 18:31
 Operator : JU/SJ
 Sample : K1353-03 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-022619-B

Manual Integrations
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Quant Time: Feb 28 03:03:55 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	192001	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	691848	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	282193	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	495994	20.00	ng	0.00
76) Chrysene-d12	13.87	240	495914	20.00	ng	0.00
87) Perylene-d12	15.27	264	452730	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	605864	49.09	ng	0.00
7) Phenol-d6	6.36	99	757558	48.86	ng	0.00
23) Nitrobenzene-d5	7.29	82	422566	36.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.54	330	136319	45.50	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	646810	30.95	ng	0.00
79) Terphenyl-d14	12.83	244	602594	23.56	ng	0.00
Target Compounds						
58) Fluorene	10.31	166	47073	2.558	ng	Qvalue # 97
71) Phenanthrene	11.27	178	477884	19.365	ng	98
72) Anthracene	11.32	178	142367	5.511	ng	97
75) Fluoranthene	12.45	202	731740	27.676	ng	99
78) Pyrene	12.67	202	698735	16.713	ng	98
81) Benzo(a)anthracene	13.86	228	368712	10.728	ng	99
83) Chrysene	13.89	228	308626	9.167	ng	96
86) Indeno(1,2,3-cd)pyrene	16.62	276	133097	4.637	ng	94
88) Benzo(b)fluoranthene	14.87	252	387752m	13.241	ng	
89) Benzo(k)fluoranthene	14.90	252	130879m	4.934	ng	
90) Benzo(a)pyrene	15.22	252	268499	10.366	ng	98
92) Benzo(a,h,i)perylene	17.03	276	116743	5.260	ng	97

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

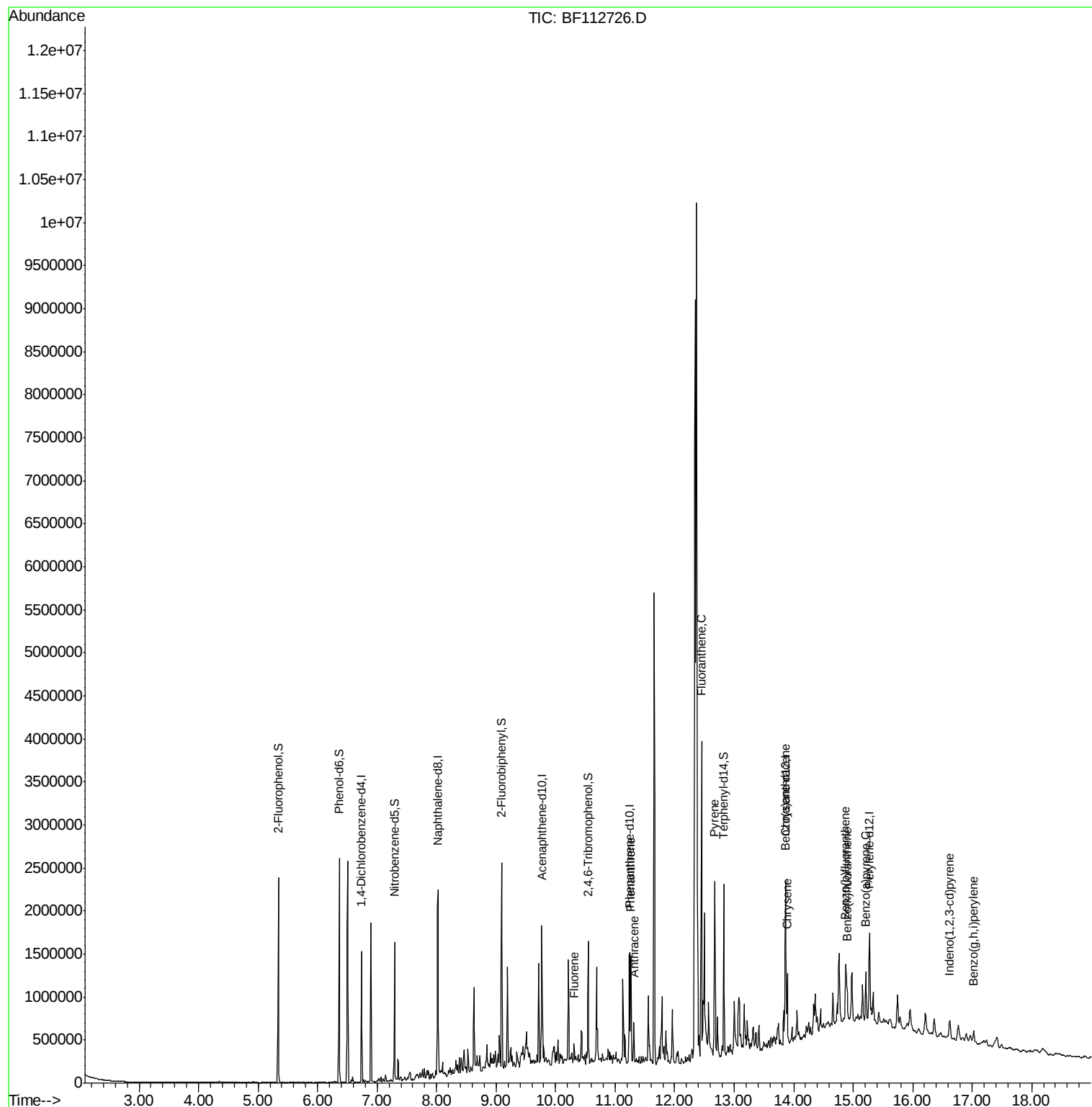
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
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ALS Vial : 9 Sample Multiplier: 1

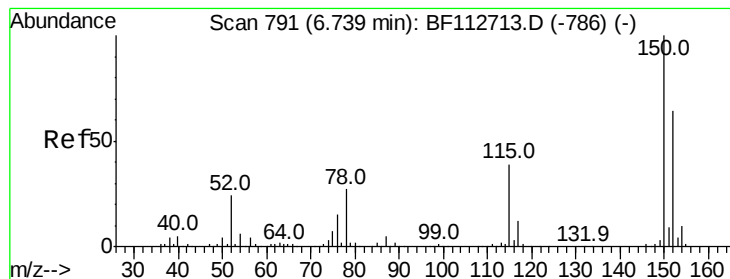
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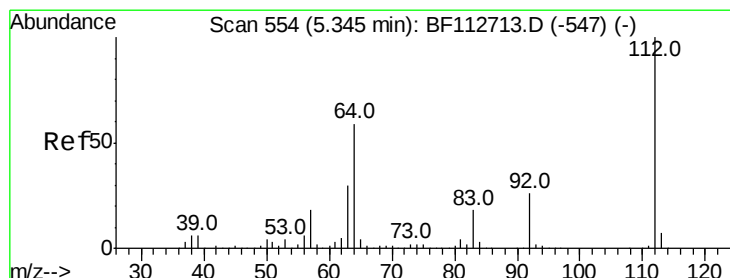
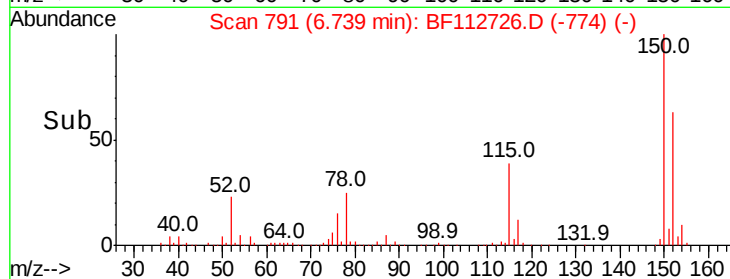
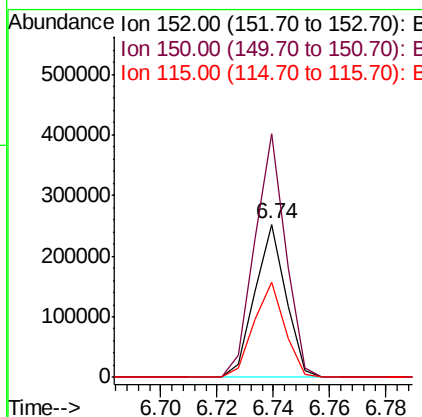
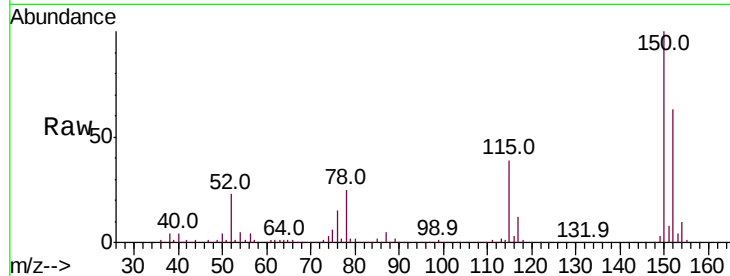
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: BF112726.D
 Acq: 27 Feb 2019 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-022619-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.2	186.2
115	62.5	48.2	72.4

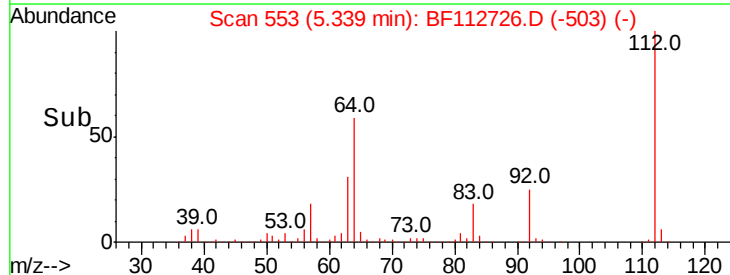
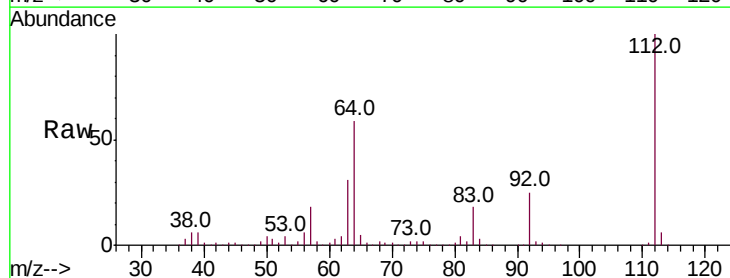
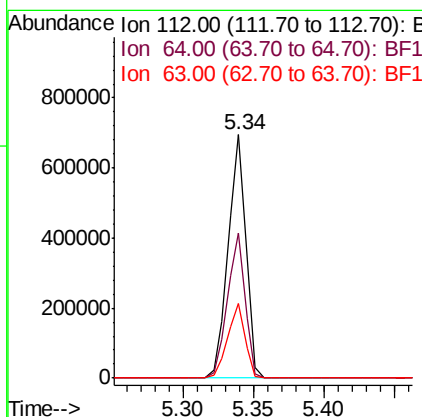
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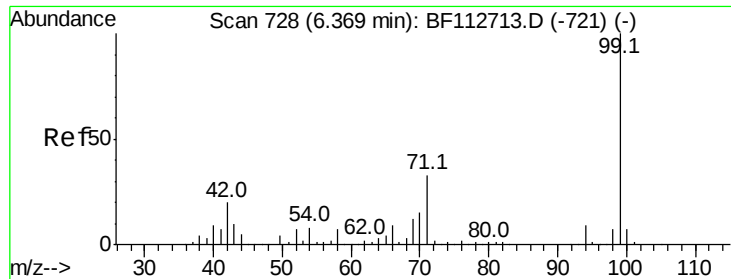
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#5
 2-Fluorophenol
 Concen: 49.086 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF112726.D
 Acq: 27 Feb 2019 18:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.6	71.4
63	30.7	24.4	36.6





#7

Phenol-d6

Concen: 48.859 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112726.D

Acq: 27 Feb 2019 18:31

Instrument :

BNA_F

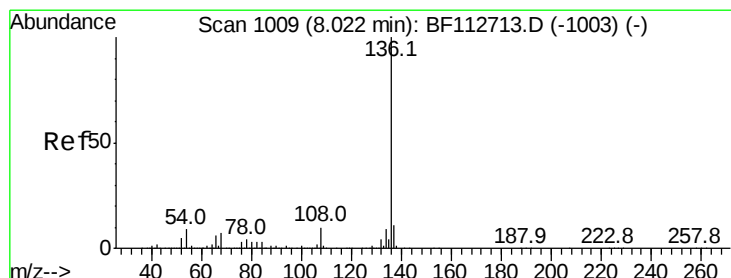
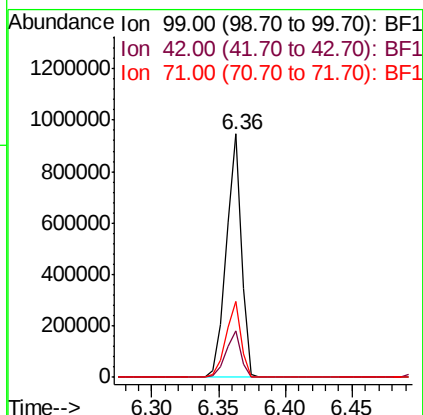
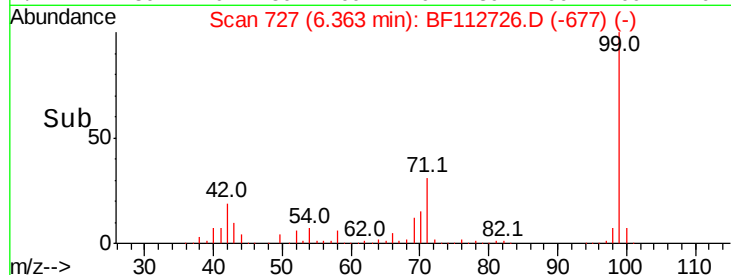
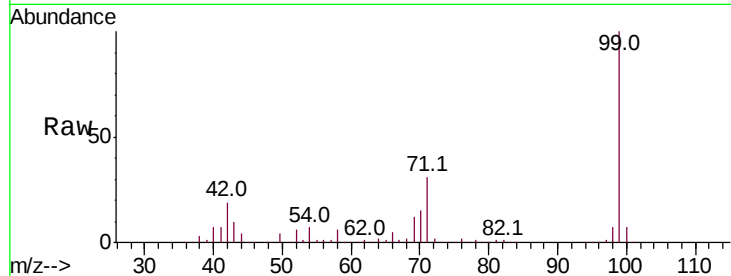
ClientSampleId :

PL-02-022619-B

Tot Ion	99	Resp	757558
Ion Ratio	Lower	Upper	
99	100		
42	18.9	16.3	24.5
71	31.2	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

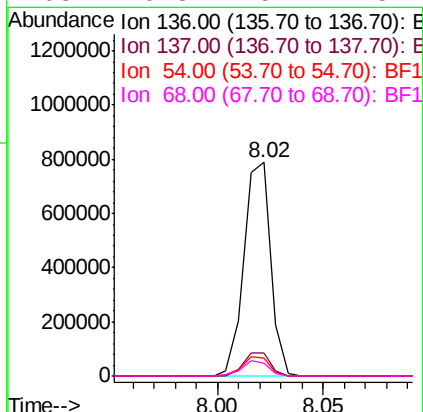
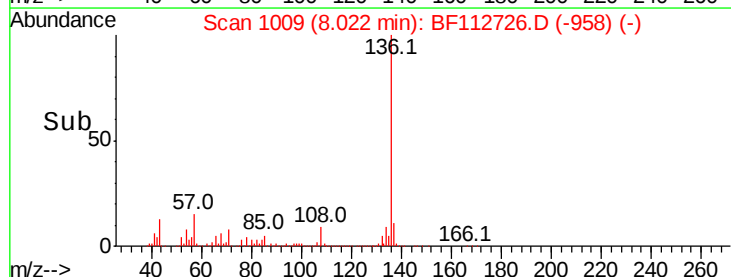
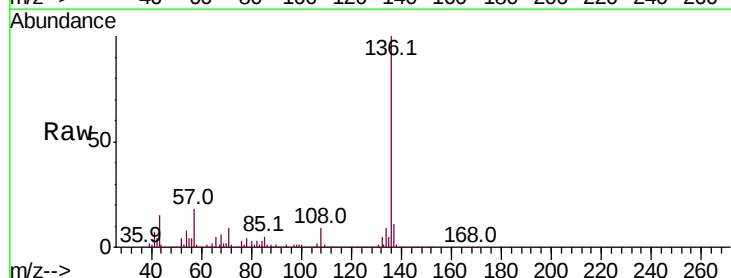
RT: 8.02 min Scan# 1009

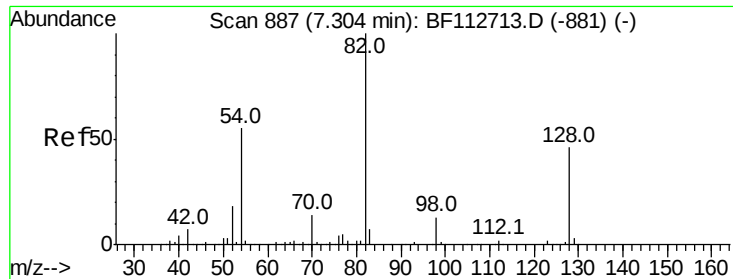
Delta R.T. -0.00 min

Lab File: BF112726.D

Acq: 27 Feb 2019 18:31

Tgt Ion	136	Resp	691848
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.2	7.3	10.9
68	6.3	5.4	8.2





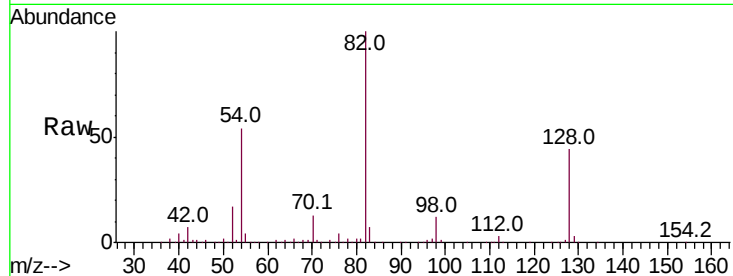
#23
Nitrobenzene-d5
Concen: 36.548 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112726.D
Acq: 27 Feb 2019 18:31

Instrument :
BNA_F
ClientSampled :
PL-02-022619-B

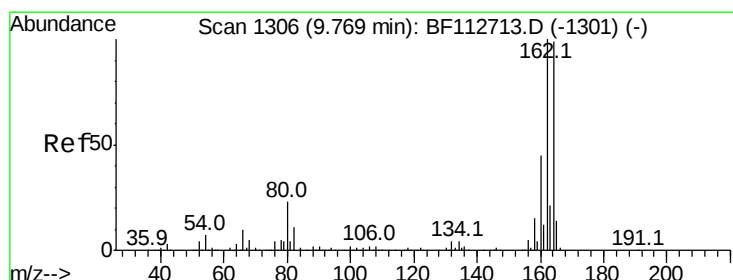
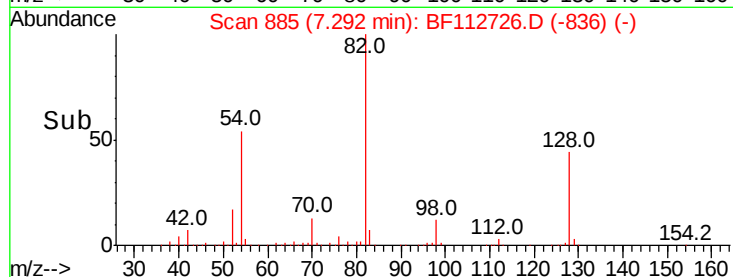
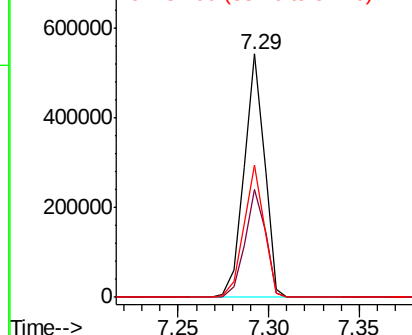
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.3	54.5
54	54.4	43.7	65.5

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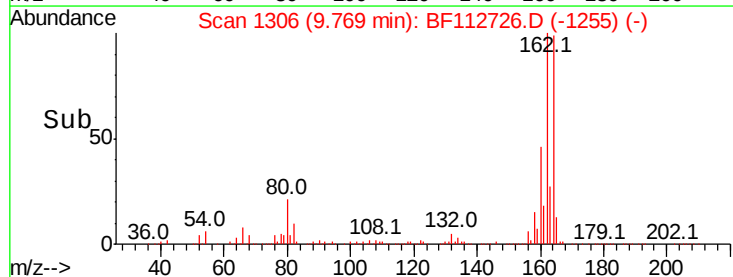
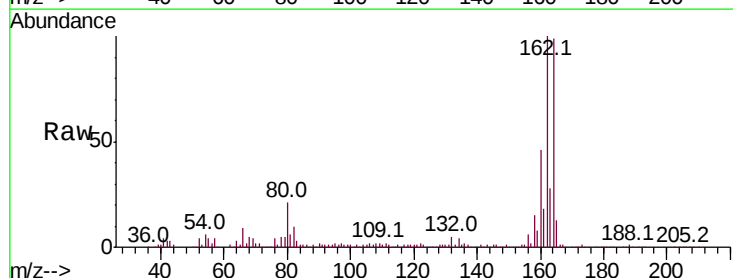
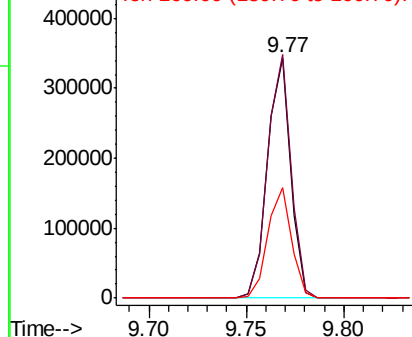
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

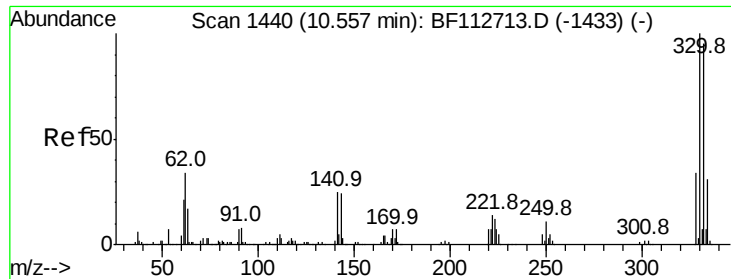


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF112726.D
Acq: 27 Feb 2019 18:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	120.8
160	46.2	36.0	54.0

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





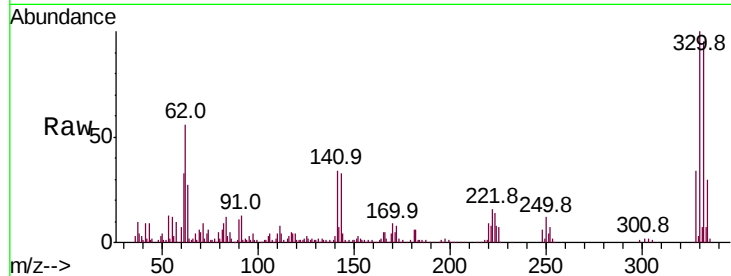
#42
 2,4,6-Tribromophenol
 Concen: 45.503 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112726.D
 Acq: 27 Feb 2019 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-022619-B

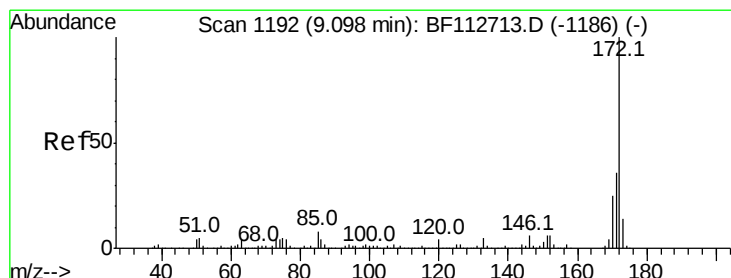
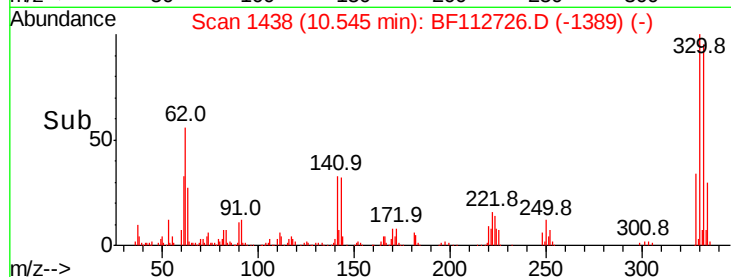
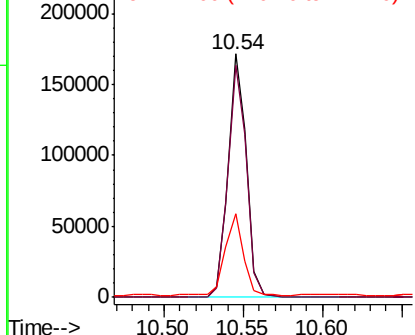
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.2	114.4
141	33.6	27.0	40.6

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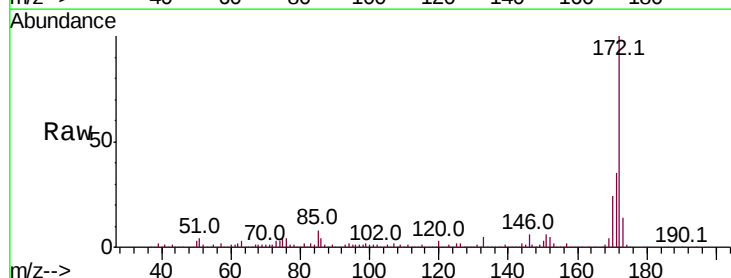


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

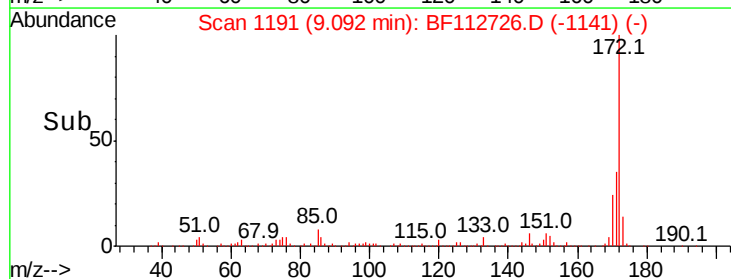
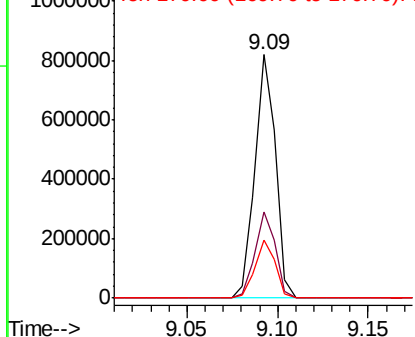


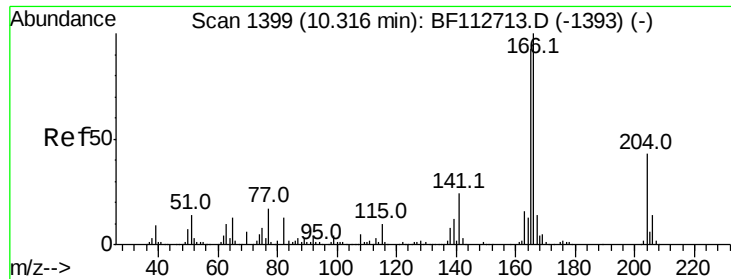
#45
 2-Fluorobiphenyl
 Concen: 30.951 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF112726.D
 Acq: 27 Feb 2019 18:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.4
170	23.6	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





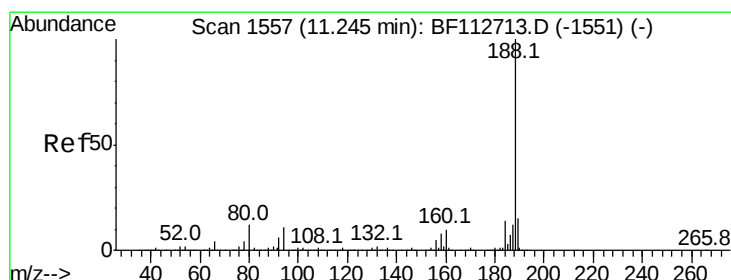
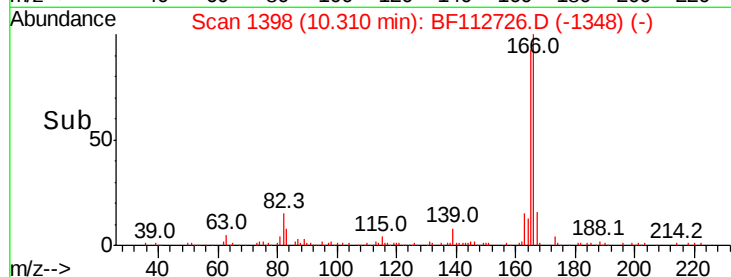
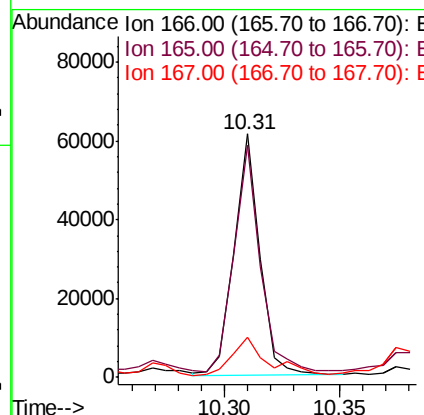
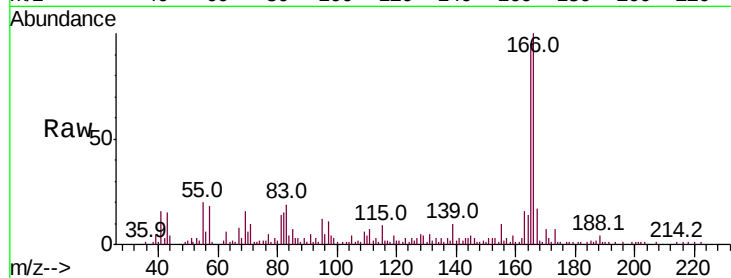
#58
 Fluorene
 Concen: 2.558 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF112726.D
 Acq: 27 Feb 2019 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-022619-B

Tot Ion:166 Resp: 47073
 Ion Ratio Lower Upper
 166 100
 165 95.3 74.7 112.1
 167 16.6 11.0 16.6#

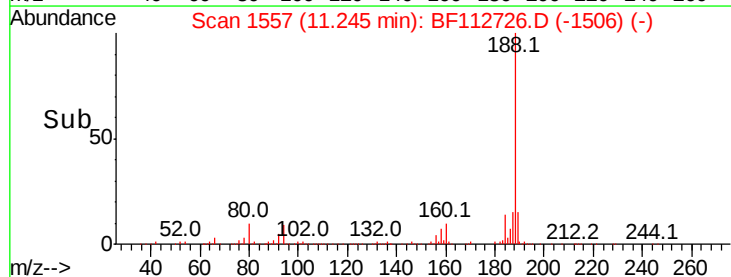
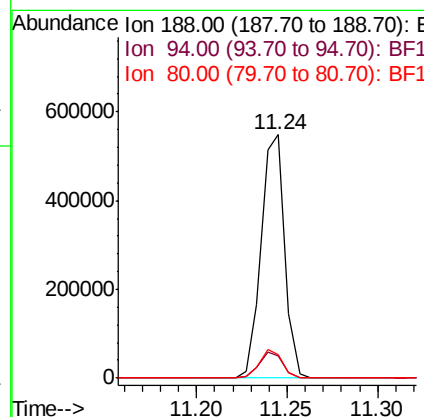
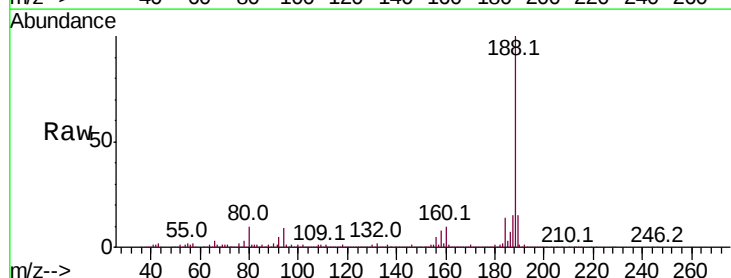
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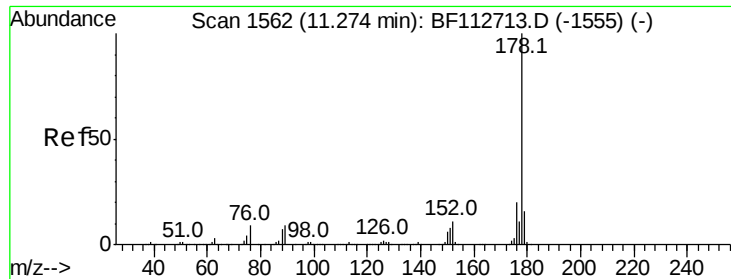
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: BF112726.D
 Acq: 27 Feb 2019 18:31

Tgt Ion:188 Resp: 495994
 Ion Ratio Lower Upper
 188 100
 94 8.9 9.0 13.4#
 80 9.8 9.2 13.8





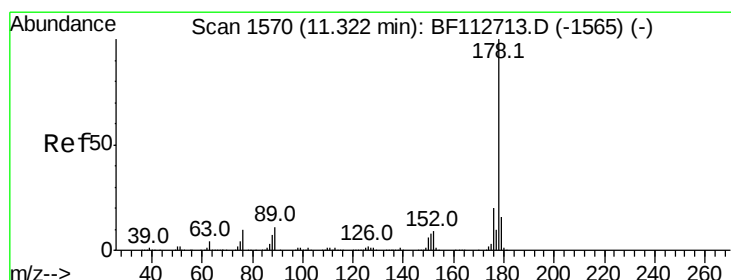
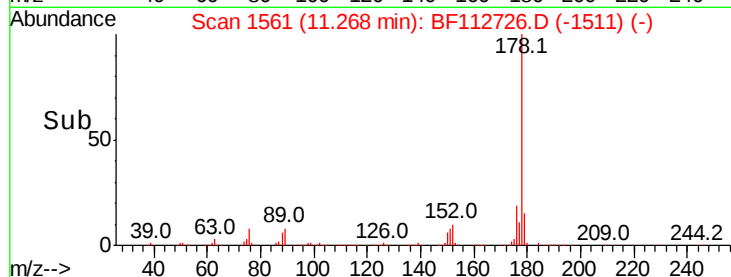
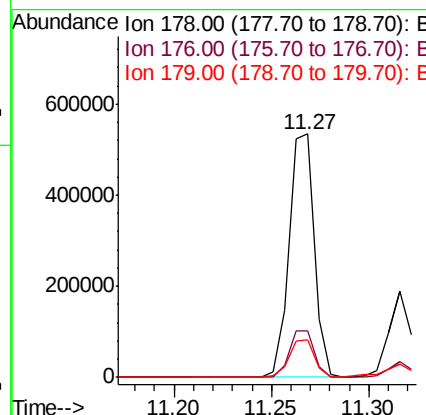
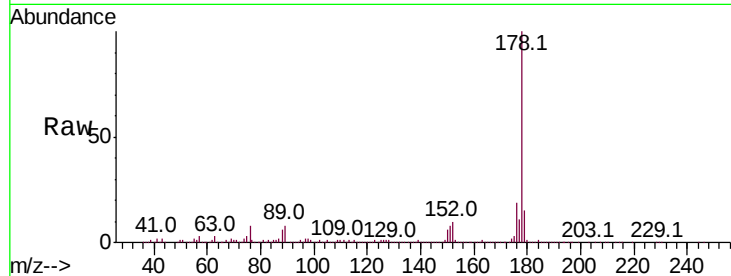
#71
Phenanthrene
Concen: 19.365 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112726.D
Acq: 27 Feb 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PL-02-022619-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.3	24.5
179	15.3	12.7	19.1

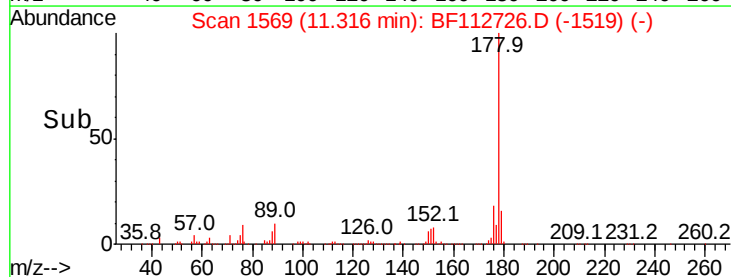
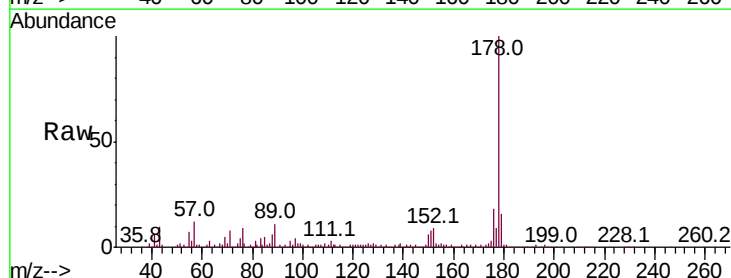
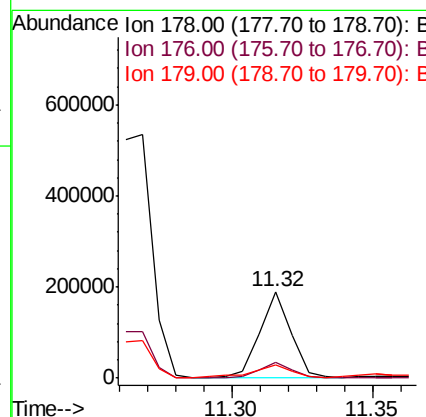
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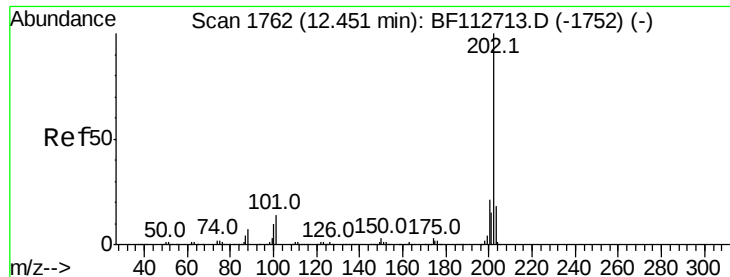
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#72
Anthracene
Concen: 5.511 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF112726.D
Acq: 27 Feb 2019 18:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.8	23.6
179	16.0	13.0	19.6





#75

Fluoranthene

Concen: 27.676 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF112726.D

Acq: 27 Feb 2019 18:31

Instrument :

BNA_F

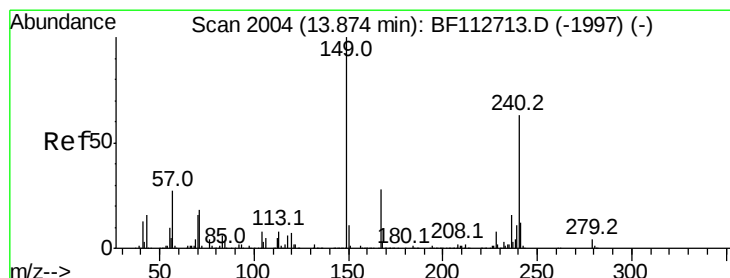
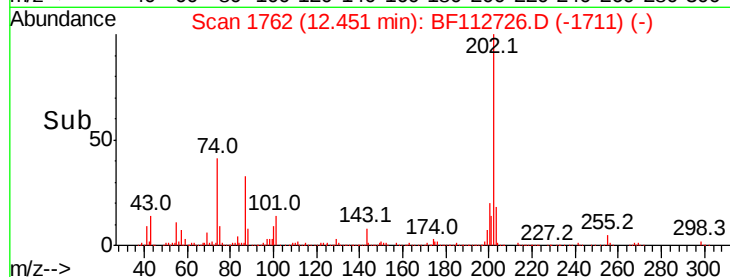
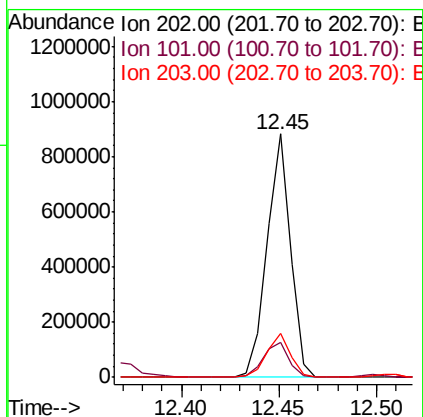
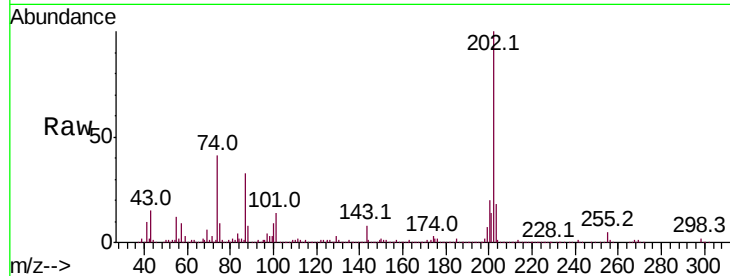
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	14.3	0.0	33.8		
203	18.0	0.0	38.4		

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#76

Chrysene-d12

Concen: 20.000 ng

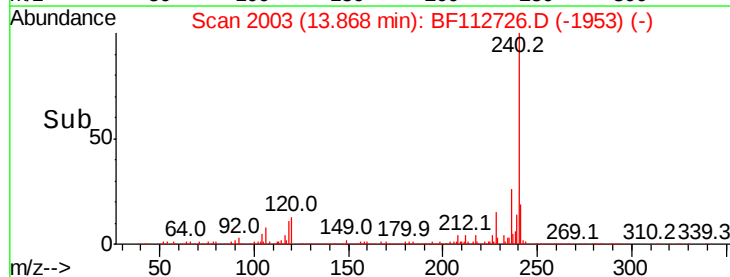
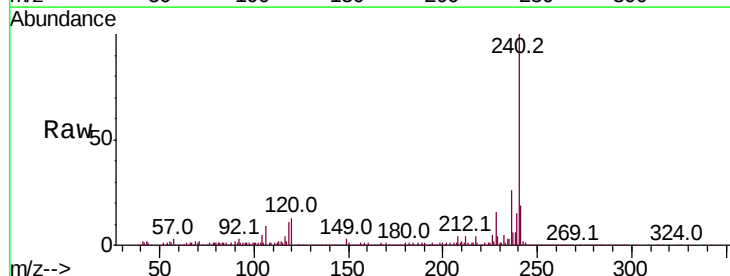
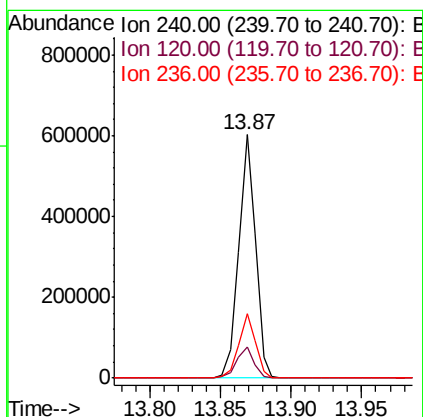
RT: 13.87 min Scan# 2003

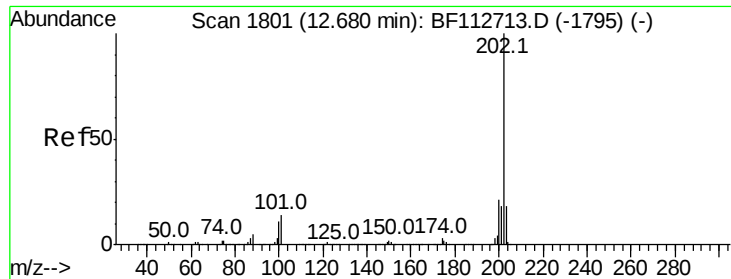
Delta R.T. -0.01 min

Lab File: BF112726.D

Acq: 27 Feb 2019 18:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	12.9	8.9	13.3		
236	26.3	20.7	31.1		





#78

Pvrene

Concen: 16.713 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF112726.D

Acq: 27 Feb 2019 18:31

Instrument :

BNA_F

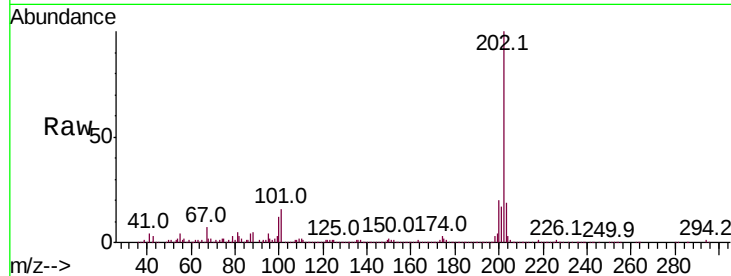
ClientSampleId :

PL-02-022619-B

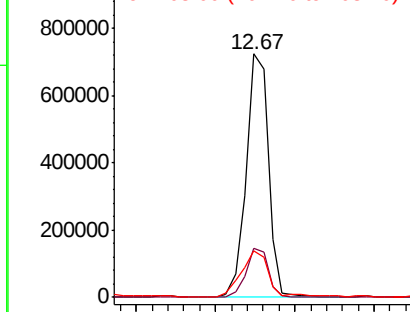
Tot Ion:	202	Resp:	698735
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.0	25.4
203	19.2	14.4	21.6

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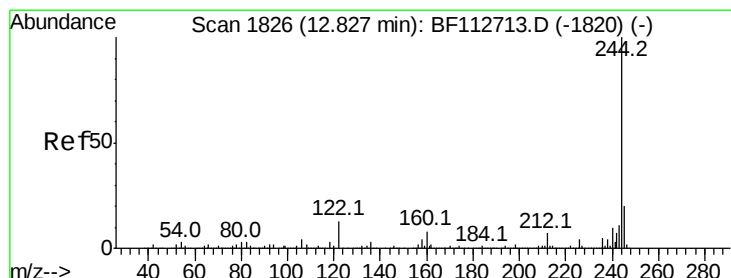
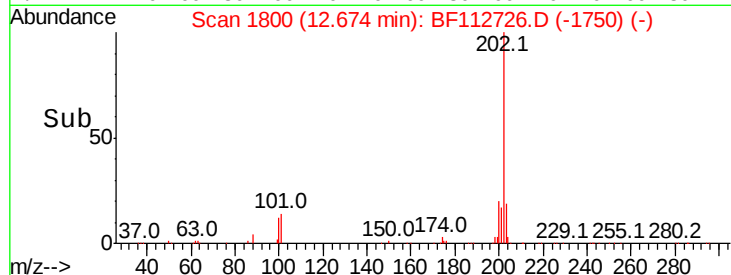
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#79

Terphenyl-d14

Concen: 23.555 ng

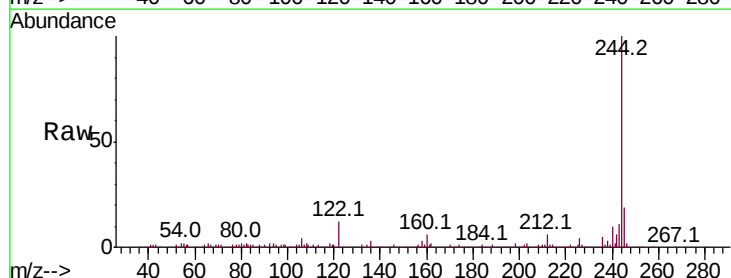
RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

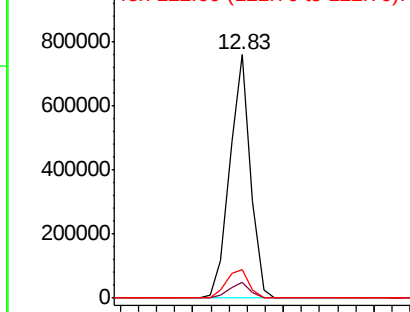
Lab File: BF112726.D

Acq: 27 Feb 2019 18:31

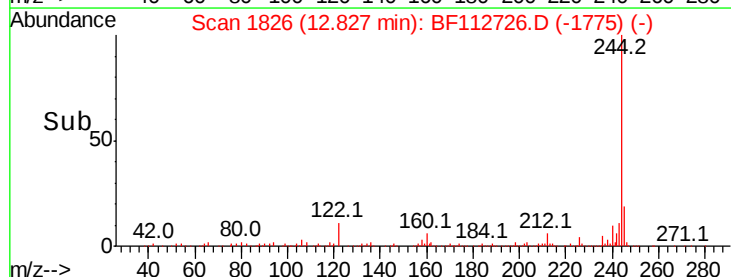
Tgt Ion:	244	Resp:	602594
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.6	8.4
122	11.6	10.5	15.7

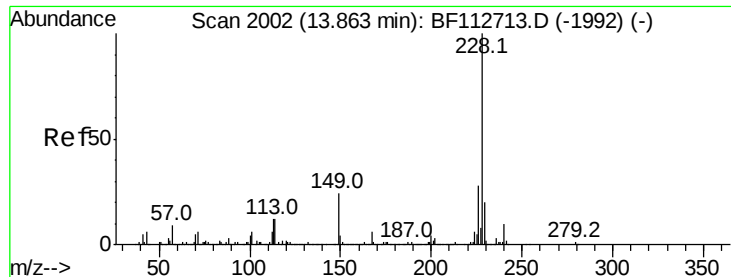


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





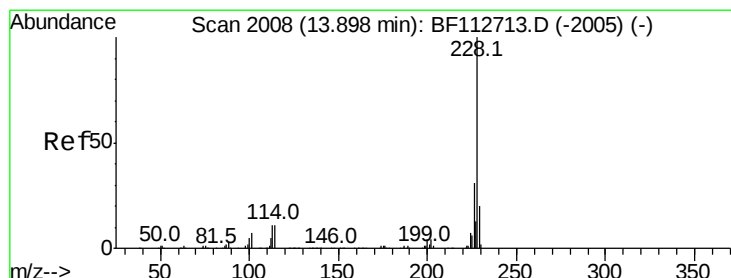
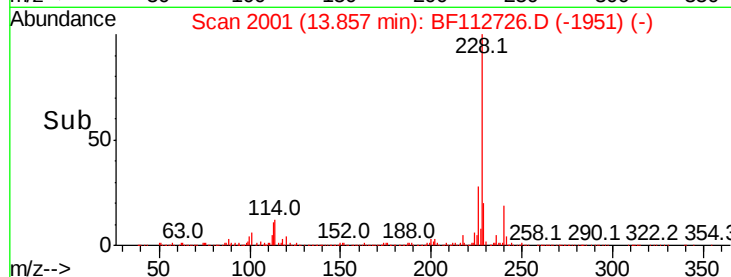
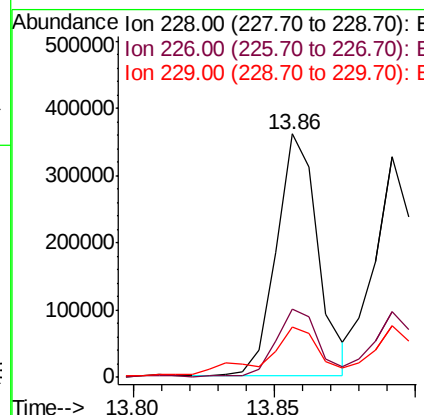
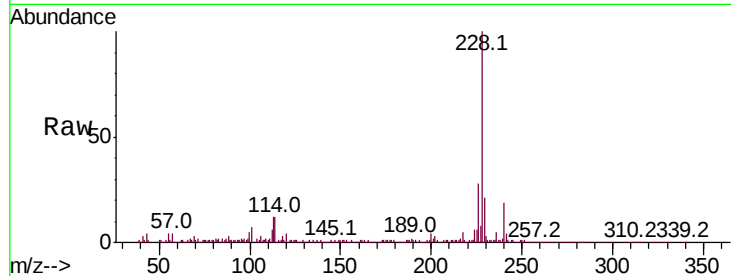
#81
Benzo(a)anthracene
Concen: 10.728 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF112726.D
Acq: 27 Feb 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PL-02-022619-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.4
229	20.7	16.0	24.0

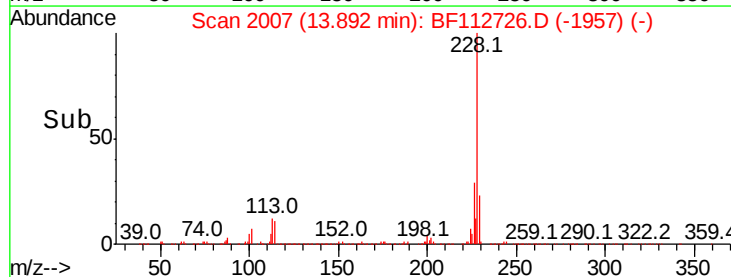
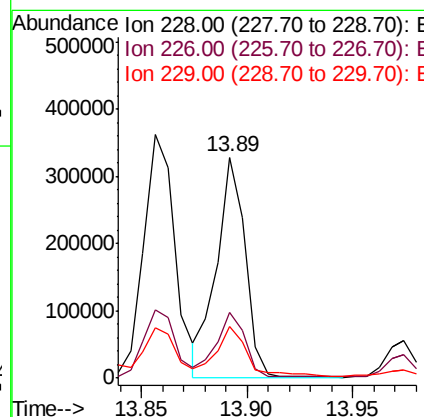
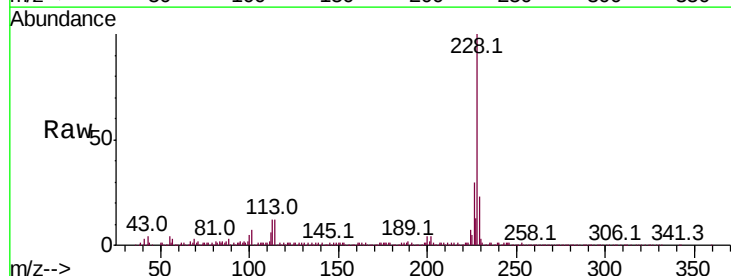
Manual Integrations
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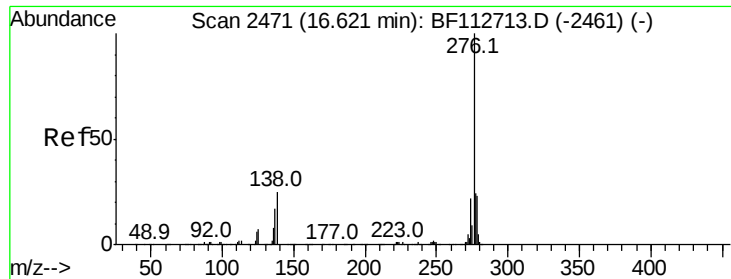
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#83
Chrysene
Concen: 9.167 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF112726.D
Acq: 27 Feb 2019 18:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	23.3	16.3	24.5





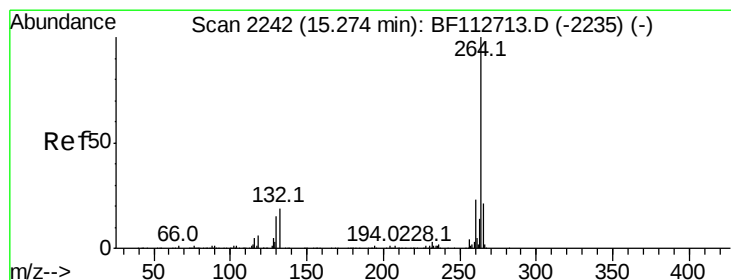
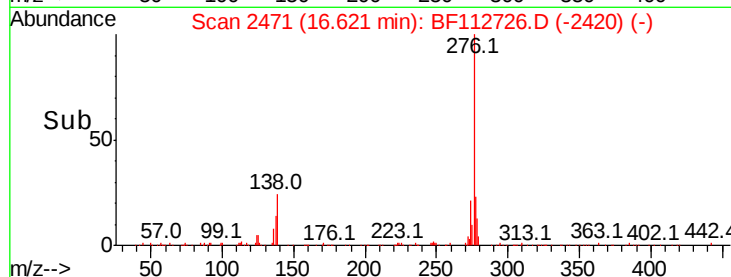
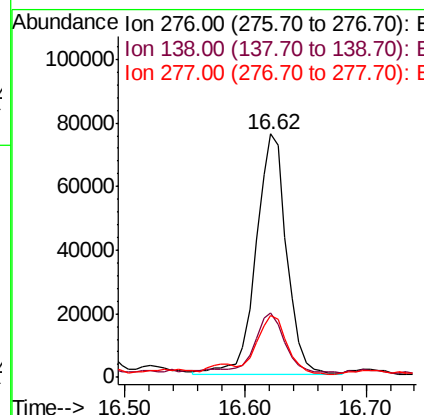
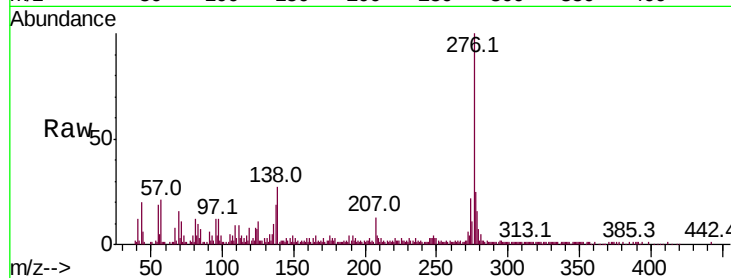
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.637 ng
RT: 16.62 min Scan# 2471
Delta R.T. -0.00 min
Lab File: BF112726.D
Acq: 27 Feb 2019 18:31

Instrument :
BNA_F
ClientSampled :
PL-02-022619-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.1	23.2	34.8
277	23.8	19.9	29.9

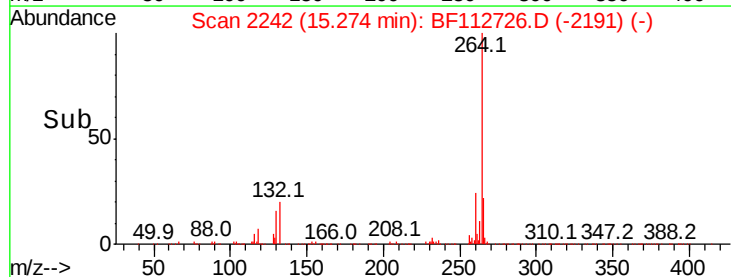
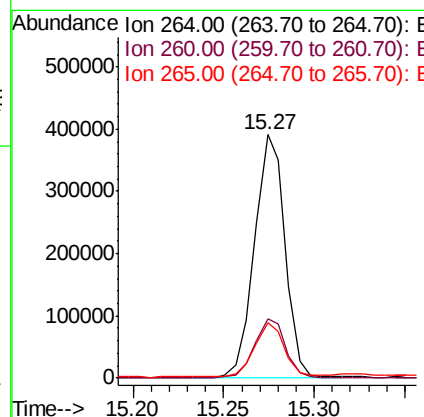
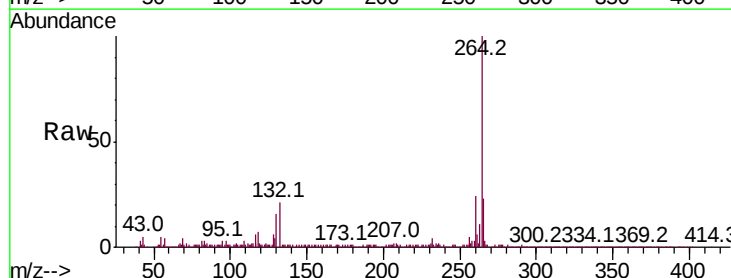
Manual Integrations
APPROVED

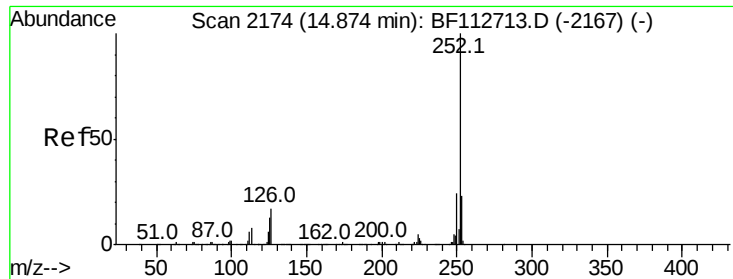
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF112726.D
Acq: 27 Feb 2019 18:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	22.7	17.2	25.8





#88

Benzo(b)fluoranthene

Concen: 13.241 ng m

RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BF112726.D

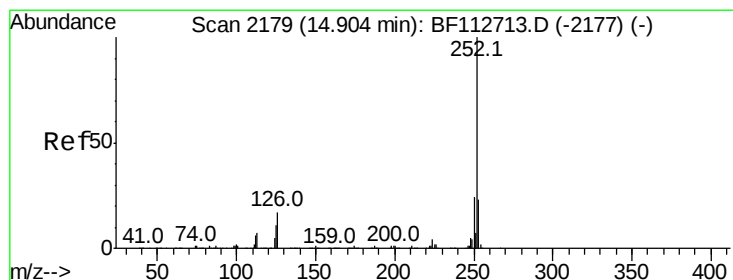
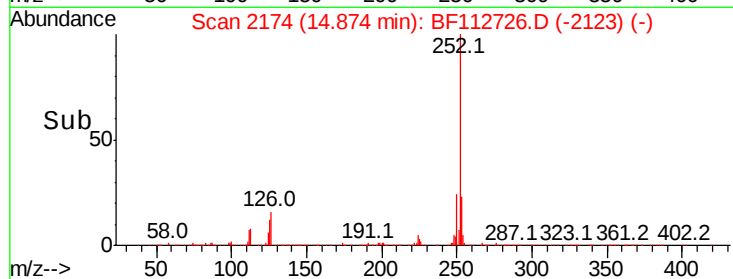
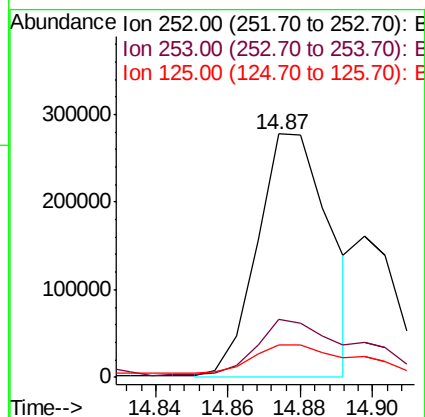
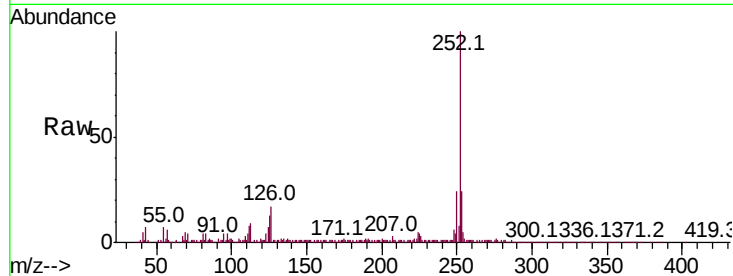
Acq: 27 Feb 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PL-02-022619-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	13.1	10.2	15.2

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 4.934 ng m

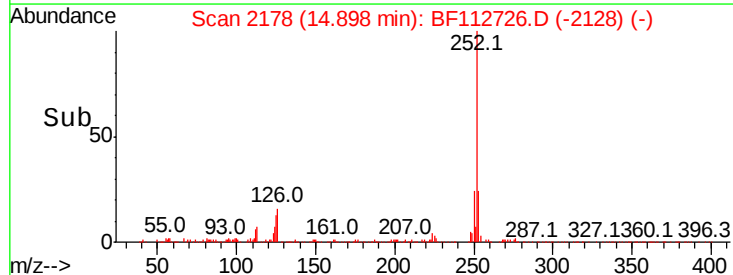
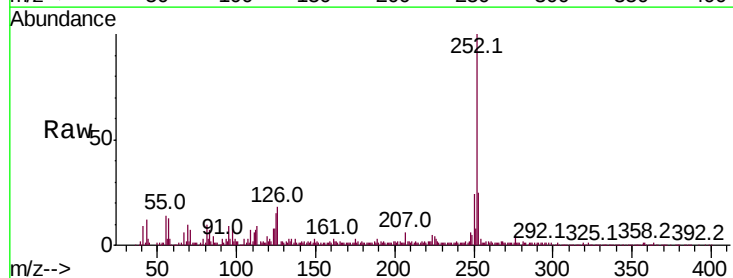
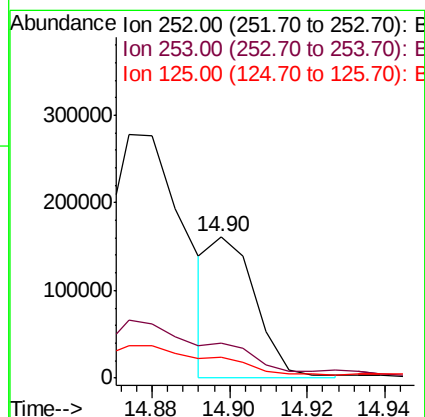
RT: 14.90 min Scan# 2178

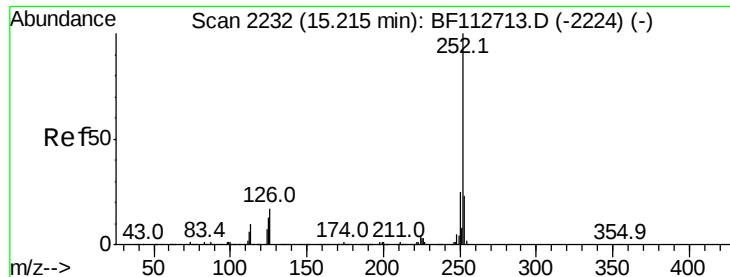
Delta R.T. -0.01 min

Lab File: BF112726.D

Acq: 27 Feb 2019 18:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.2
125	14.9	9.8	14.6#





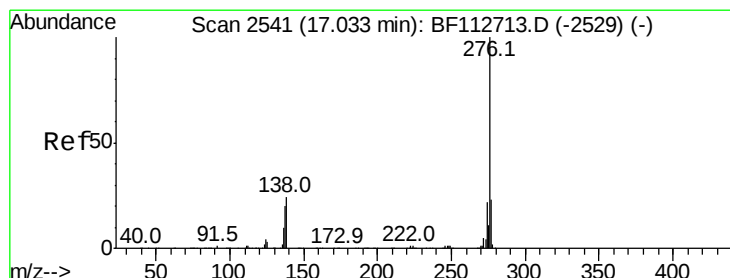
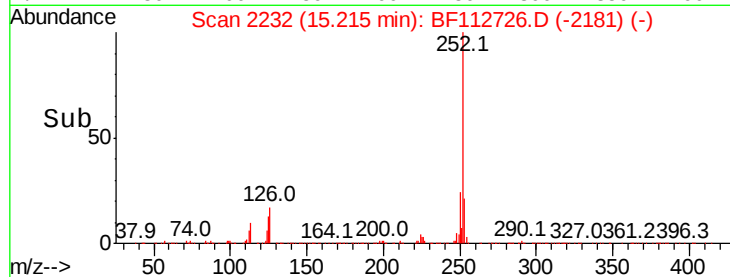
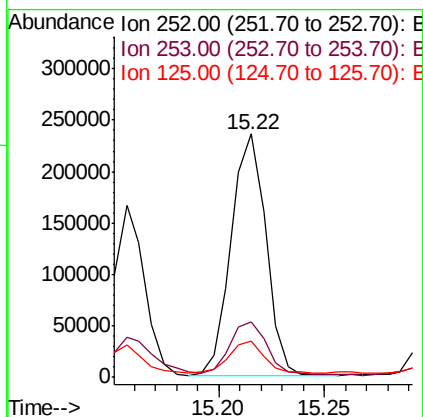
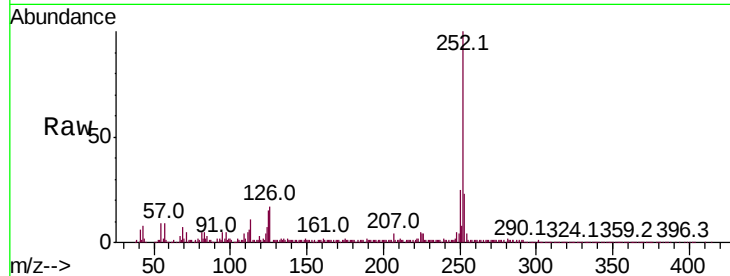
#90
Benzo(a)pyrene
Concen: 10.366 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF112726.D
Acq: 27 Feb 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PL-02-022619-B

Tot Ion:	252	Resp:	268499
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.0	27.0
125	14.8	10.7	16.1

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 5.260 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF112726.D
Acq: 27 Feb 2019 18:31

Tgt Ion:	276	Resp:	116743
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.6	27.8
138	25.1	19.4	29.0

