

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
 Data File : BF112446.D
 Acq On : 7 Feb 2019 18:55
 Operator : JU/SJ
 Sample : K1385-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 98-SB-101-2-4

Manual Integrations
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Sohil
 2/11/2019 4:50:07 PM

Quant Time: Feb 09 03:45:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	143723	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	561419	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	260514	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	448910	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	330219	20.00	ng	0.00
87) Perylene-d12	15.47	264	285341	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	866932	128.12	ng	0.00
7) Phenol-d6	6.49	99	1091865	116.13	ng	0.00
23) Nitrobenzene-d5	7.40	82	683810	70.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	307919	101.55	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1294404	70.27	ng	-0.02
79) Terphenyl-d14	12.94	244	1099917	62.74	ng	-0.01
Target Compounds						
10) Phenol	6.50	94	57089	5.534	ng	76
50) Dimethylphthalate	9.58	163	74082	3.660	ng	100
71) Phenanthrene	11.38	178	101720	4.359	ng	95
75) Fluoranthene	12.57	202	225897	9.024	ng	97
78) Pyrene	12.80	202	200503	8.770	ng	98
81) Benzo(a)anthracene	13.99	228	105355	5.427	ng	99
83) Chrysene	14.03	228	100389m	5.418	ng	
86) Indeno(1,2,3-cd)pyrene	16.96	276	43984	2.996	ng	93
88) Benzo(b)fluoranthene	15.04	252	128281m	7.517	ng	
89) Benzo(k)fluoranthene	15.07	252	37681m	2.305	ng	
90) Benzo(a)pyrene	15.41	252	81658	5.318	ng	98
92) Benzo(a,h,i)perylene	17.40	276	43030	3.686	ng	96

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

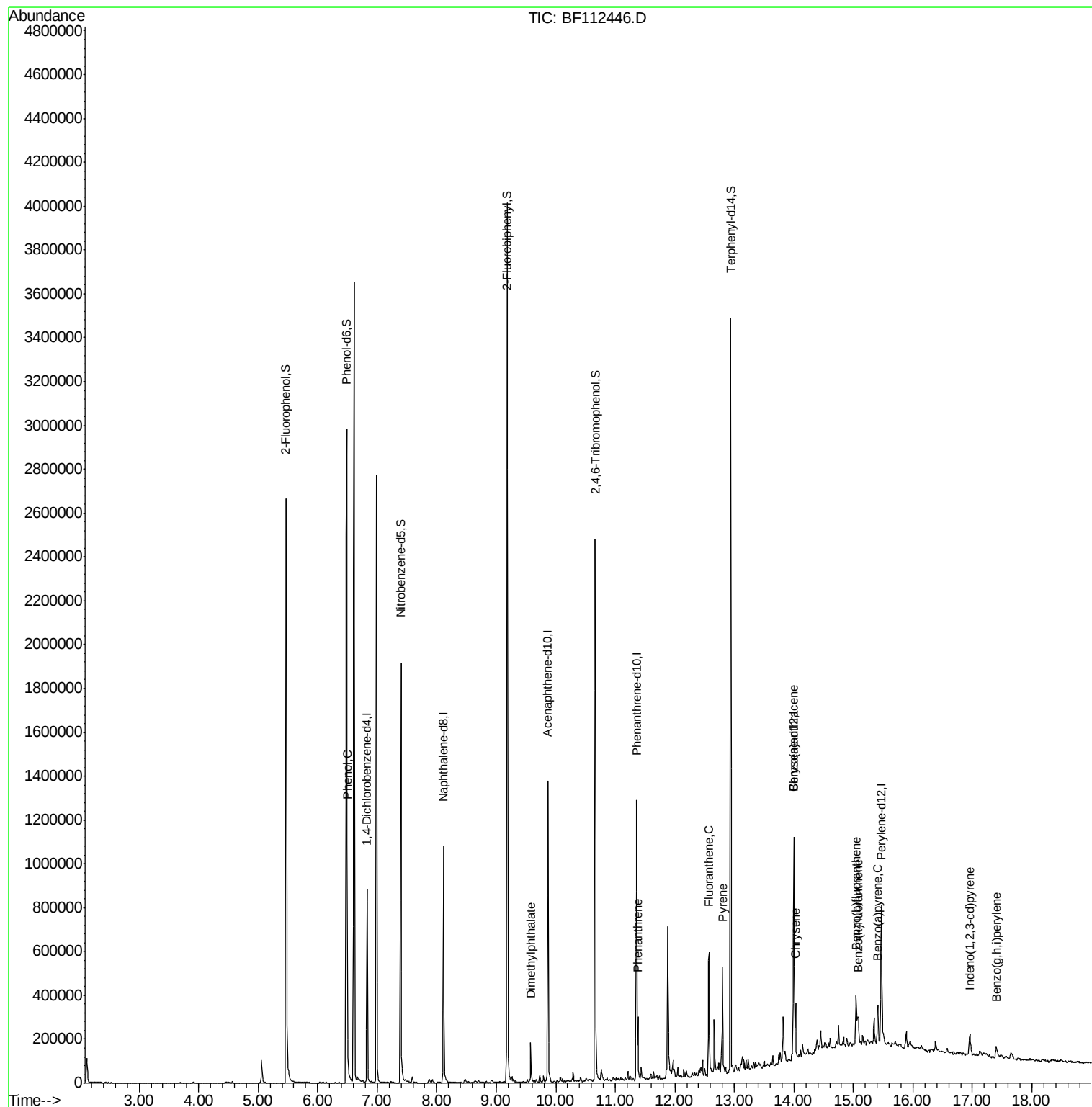
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
Data File : BF112446.D
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ALS Vial : 16 Sample Multiplier: 1

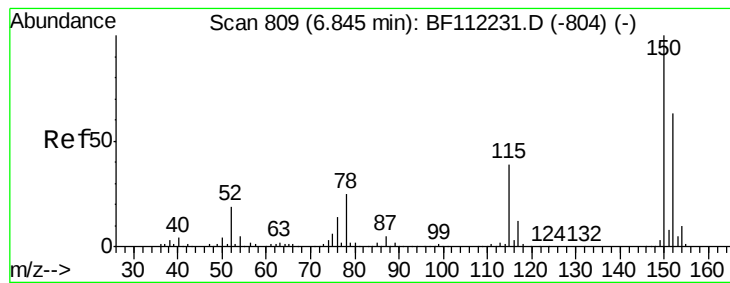
Instrument :
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98-SB-101-2-4

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Quant Time: Feb 09 03:45:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

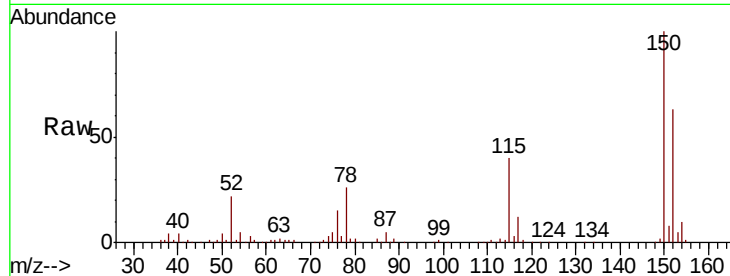
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Instrument :
BNA_F
ClientSampleId :
98-SB-101-2-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.4	191.0
115	62.6	45.5	68.3

Manual Integrations
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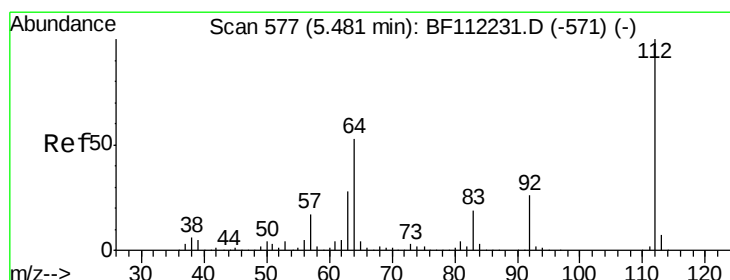
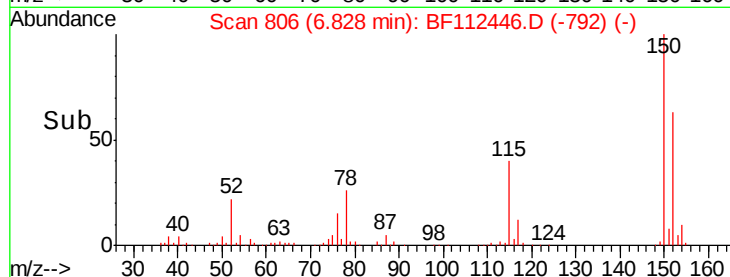
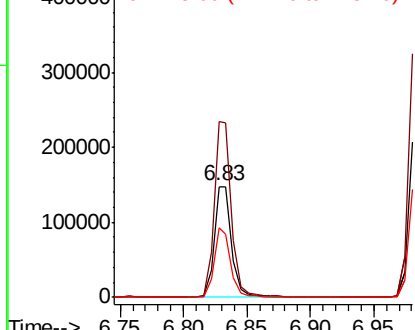


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

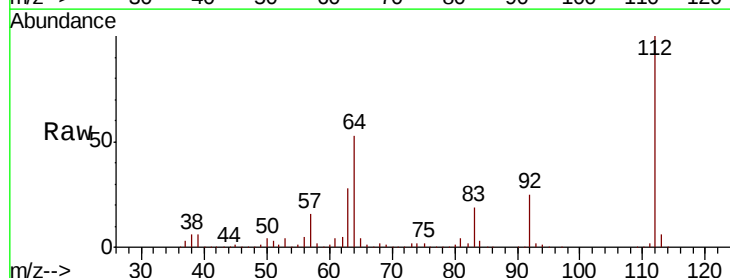
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 128.123 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	45.7	68.5
63	28.1	23.6	35.4

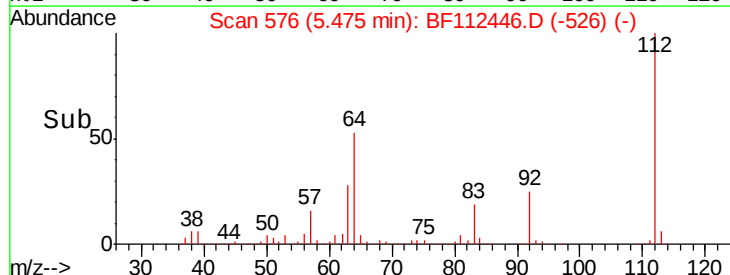
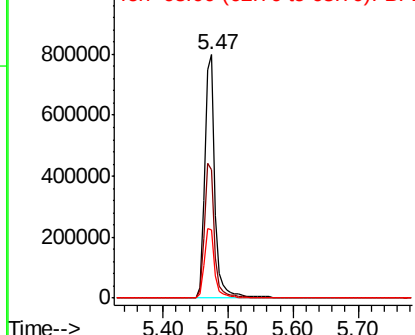


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 116.128 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112446.D

Acq: 7 Feb 2019 18:55

Instrument :

BNA_F

ClientSampled :

98-SB-101-2-4

Tot Ion: 99 Resp: 1091865

Ion Ratio Lower Upper

99 100

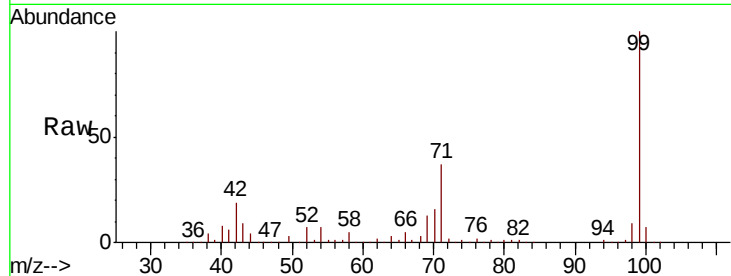
42 18.5 15.1 22.7

71 36.6 26.9 40.3

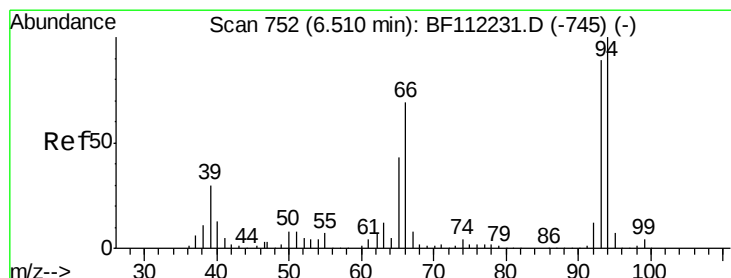
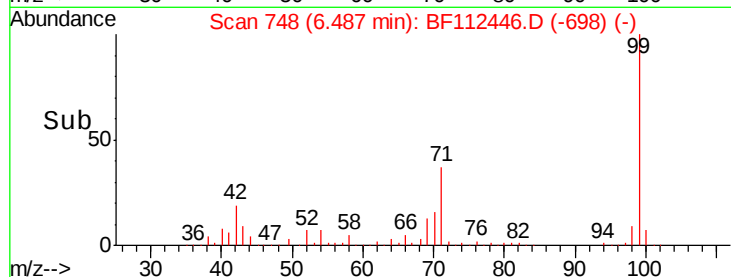
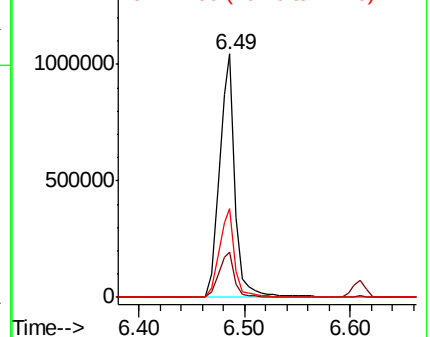
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.534 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112446.D

Acq: 7 Feb 2019 18:55

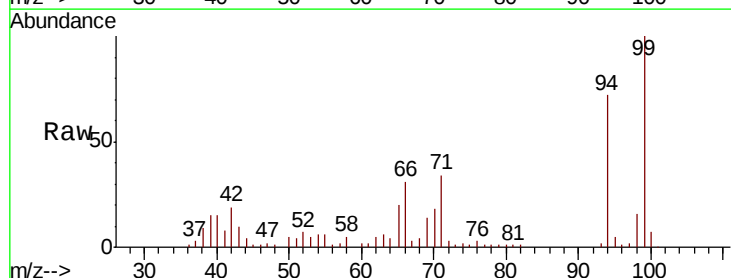
Tgt Ion: 94 Resp: 57089

Ion Ratio Lower Upper

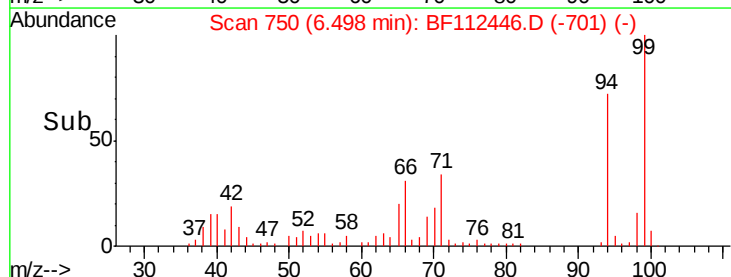
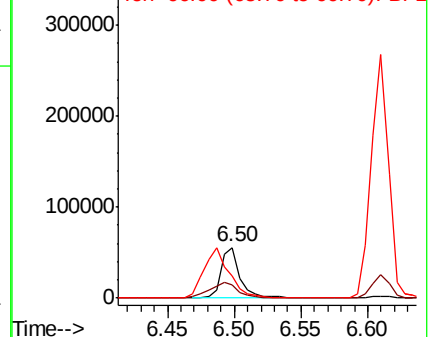
94 100

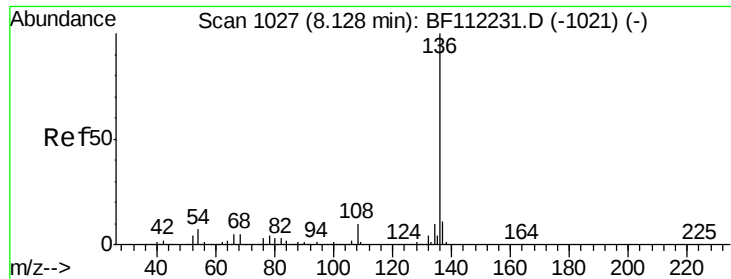
65 27.2 20.3 60.3

66 42.8 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





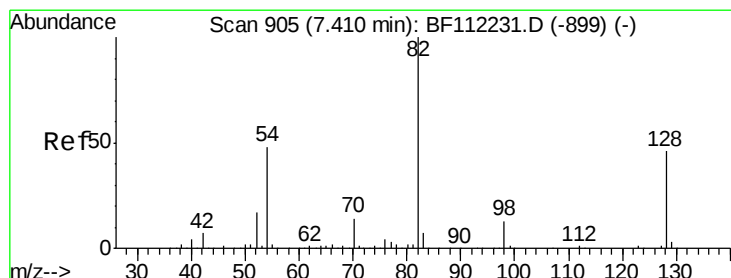
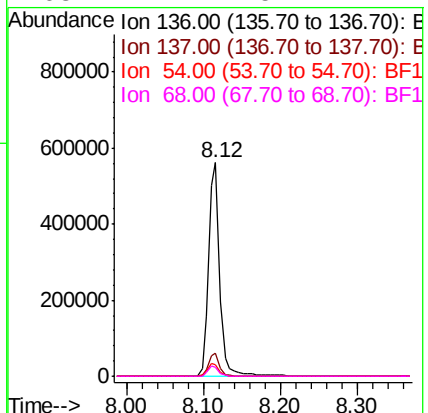
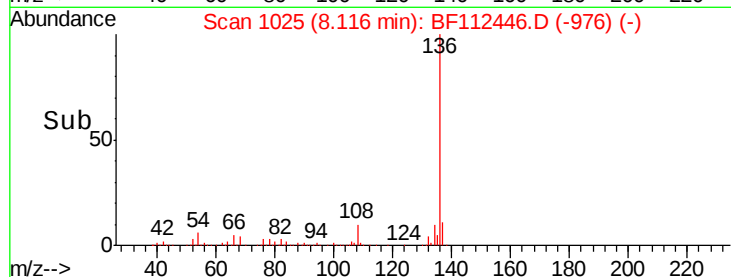
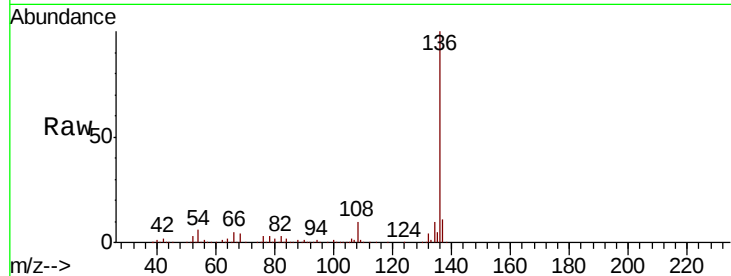
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Instrument :
BNA_F
ClientSampleId :
98-SB-101-2-4

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.5	5.9	8.9#
68	4.4	5.1	7.7#

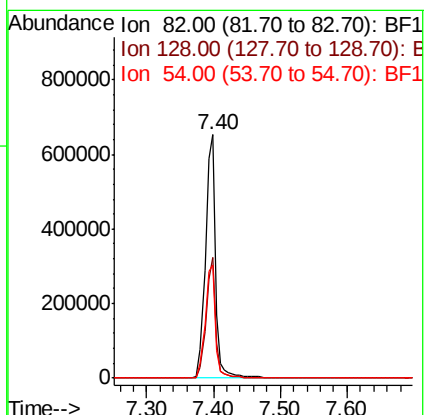
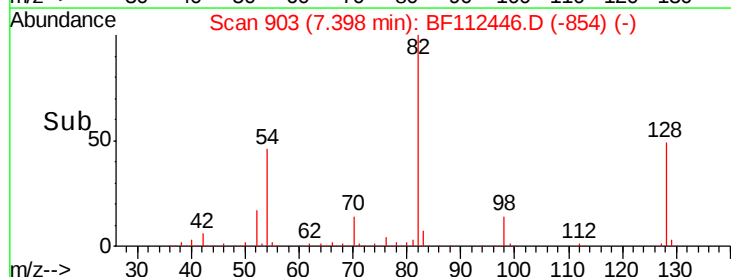
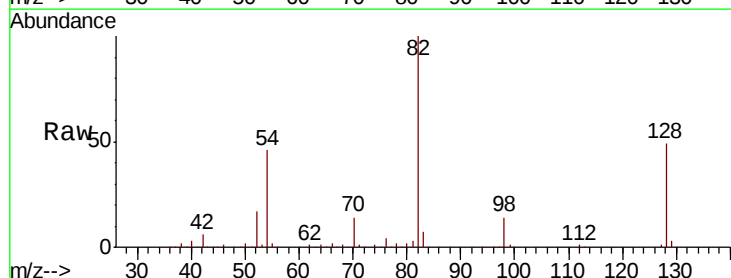
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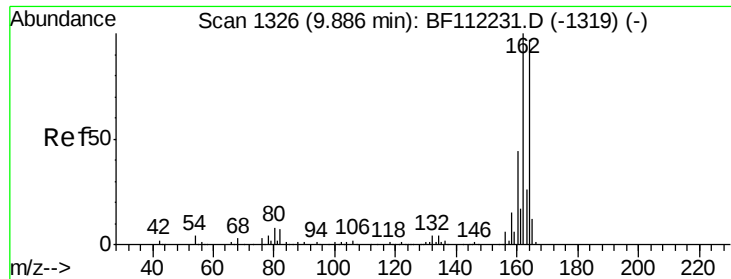
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#23
Nitrobenzene-d5
Concen: 70.181 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	49.4	37.8	56.8
54	46.5	39.7	59.5





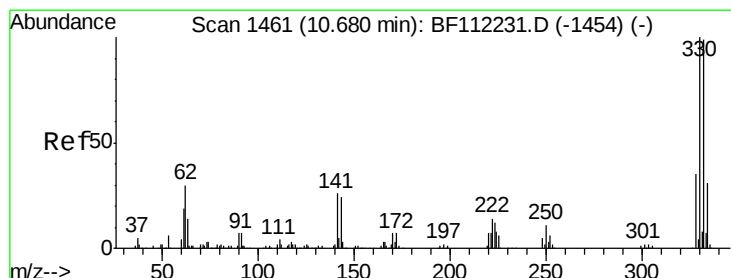
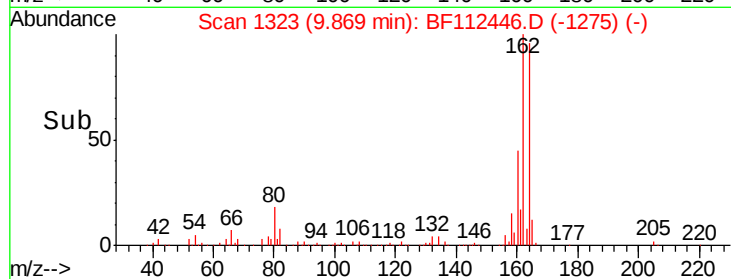
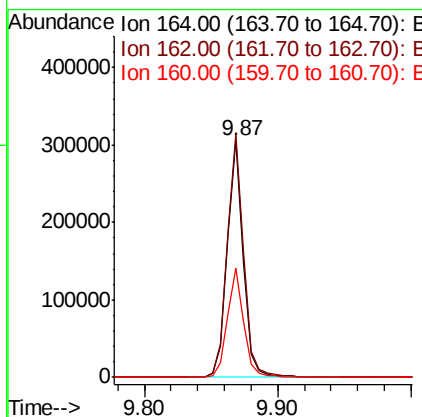
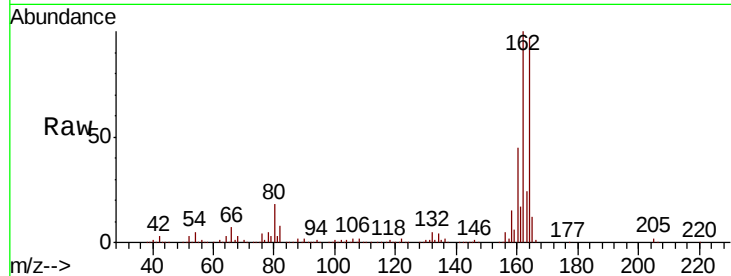
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Instrument :
BNA_F
ClientSampleId :
98-SB-101-2-4

Tot Ion	Ratio	Resp	Lower	Upper
164	100	260514		
162	102.9	82.2	123.4	
160	46.0	36.2	54.4	

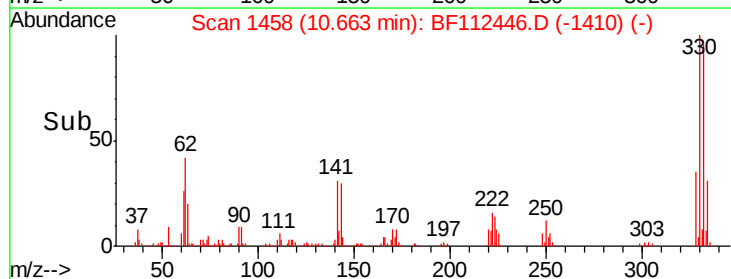
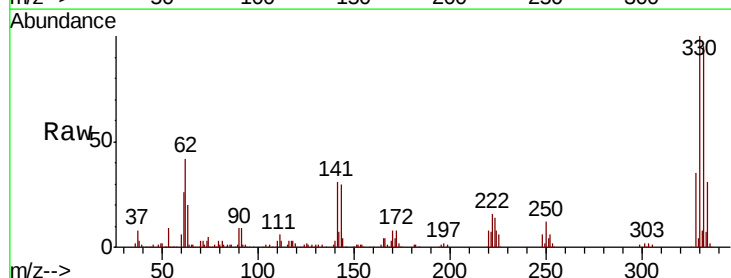
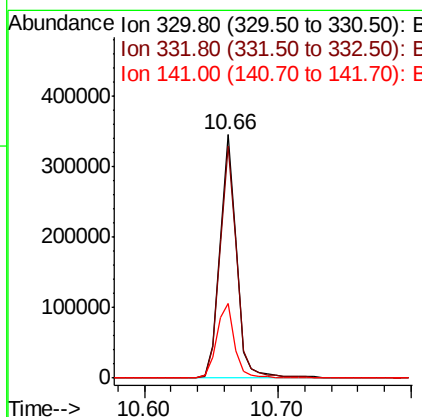
Manual Integrations
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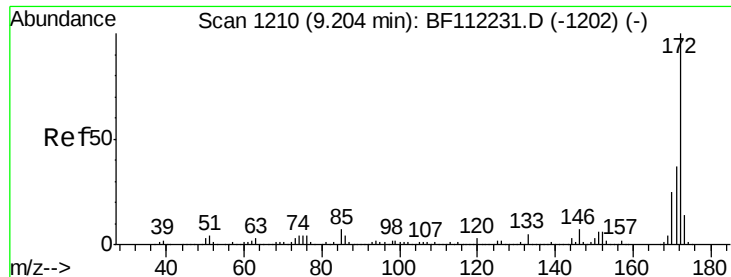
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#42
2,4,6-Tribromophenol
Concen: 101.546 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	307919		
332	97.1	76.6	114.8	
141	33.0	24.3	36.5	





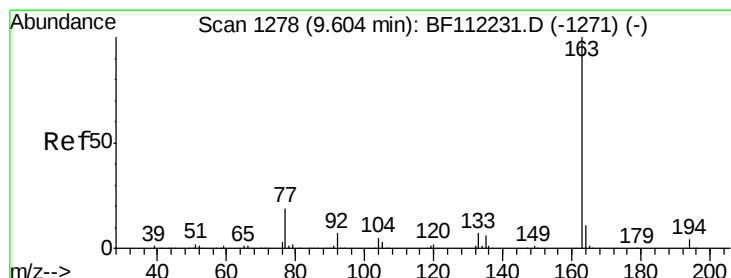
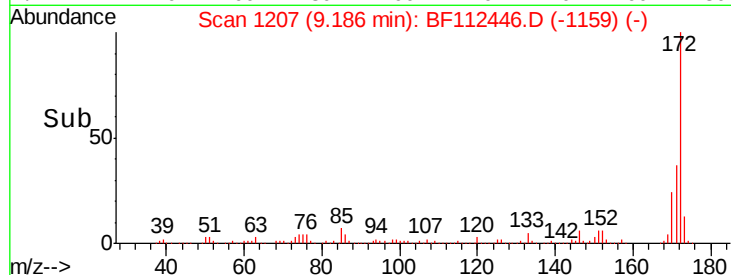
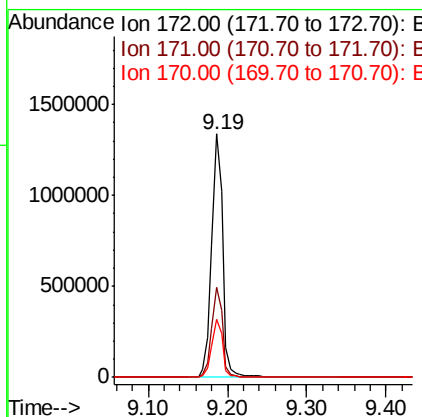
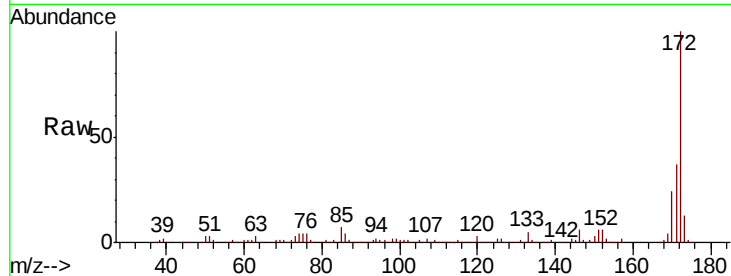
#45
2-Fluorobiphenyl
Concen: 70.274 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Instrument :
BNA_F
ClientSampleId :
98-SB-101-2-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.5	45.7
170	24.1	20.2	30.4

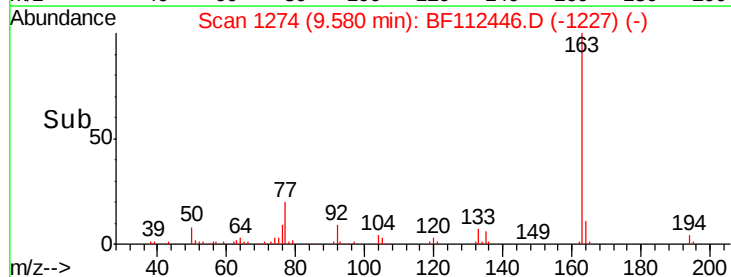
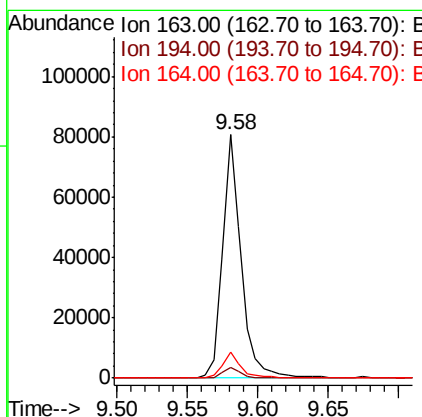
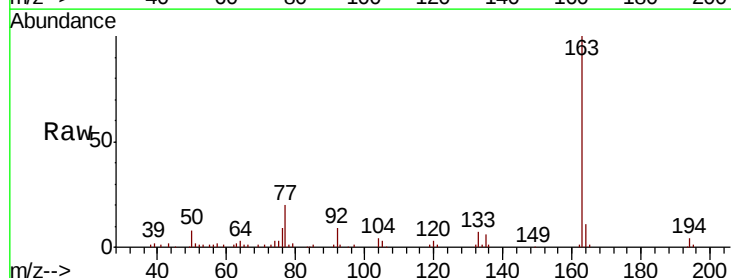
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#50
Dimethylphthalate
Concen: 3.660 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.7	8.5	12.7





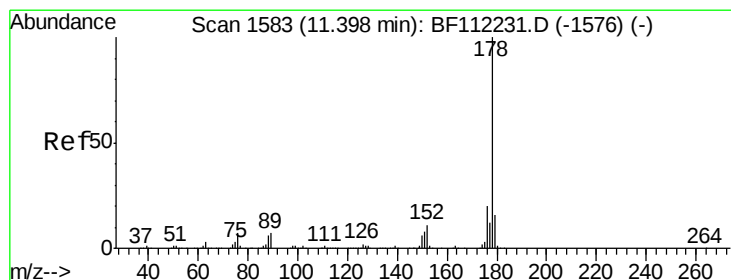
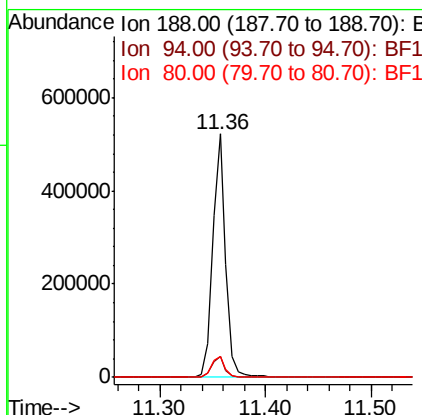
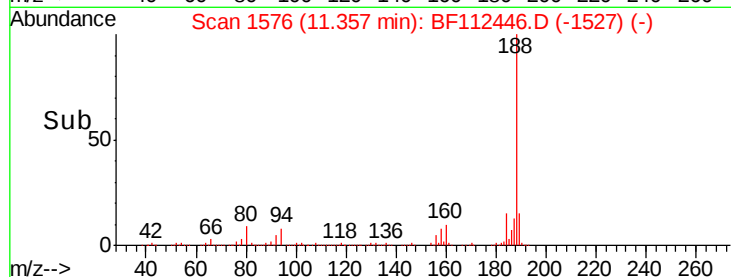
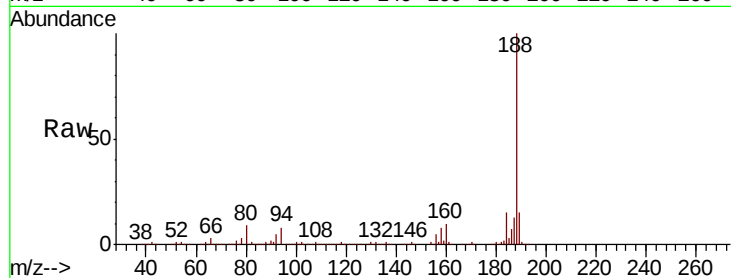
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Instrument :
BNA_F
ClientSampleId :
98-SB-101-2-4

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.4	8.2	12.2
80	8.6	8.9	13.3

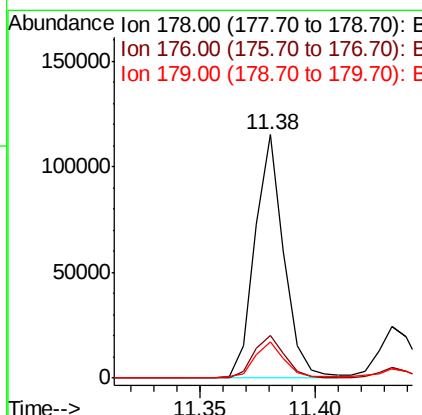
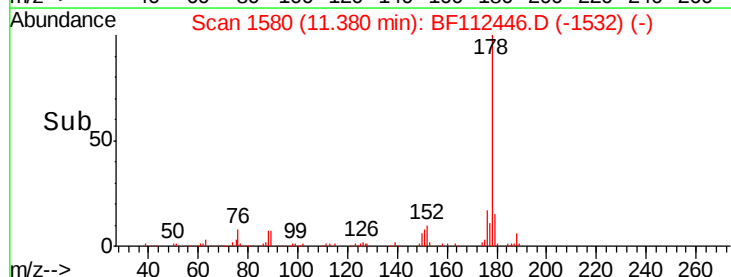
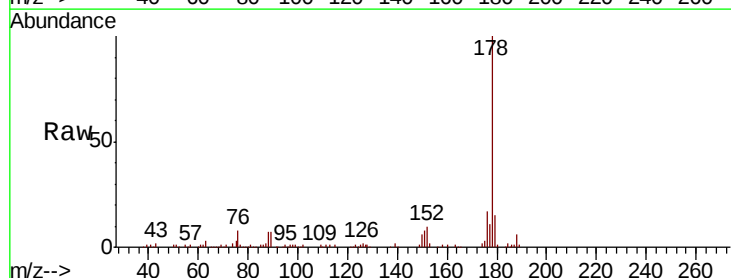
Manual Integrations
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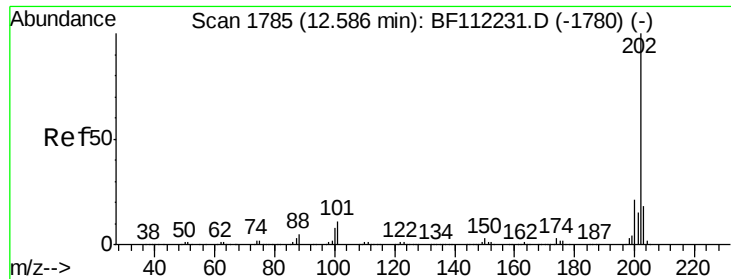
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#71
Phenanthrene
Concen: 4.359 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	17.4	16.3	24.5
179	15.1	13.0	19.4





#75

Fluoranthene

Concen: 9.024 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112446.D

Acq: 7 Feb 2019 18:55

Instrument :

BNA_F

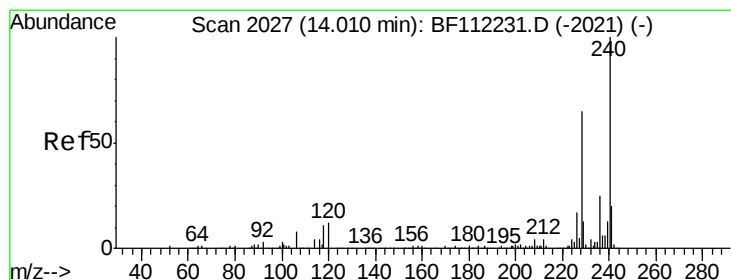
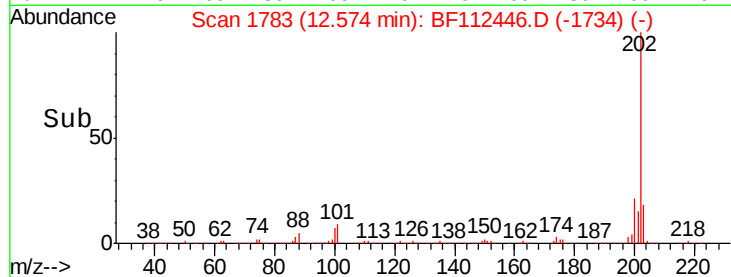
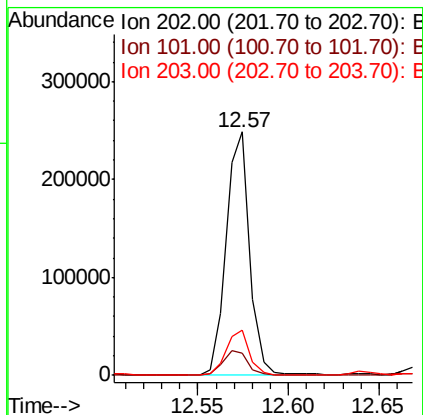
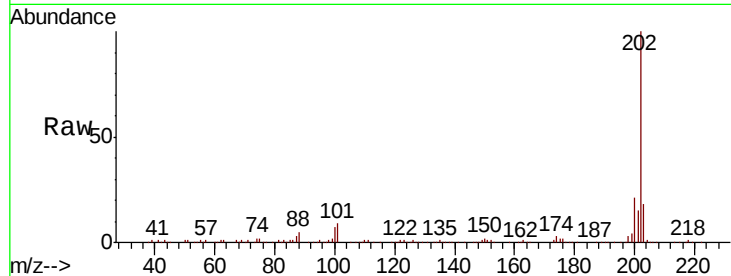
ClientSampleId :

98-SB-101-2-4

Tot Ion	Ratio	Resp	Lower	Upper
202	100	225897		
101	8.9	0.0	31.8	
203	18.4	0.0	38.4	

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

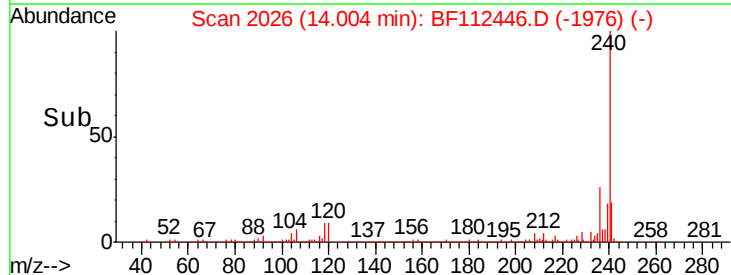
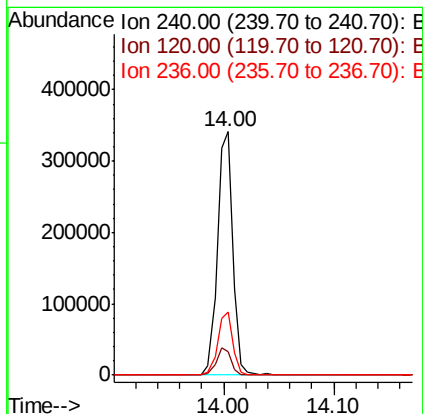
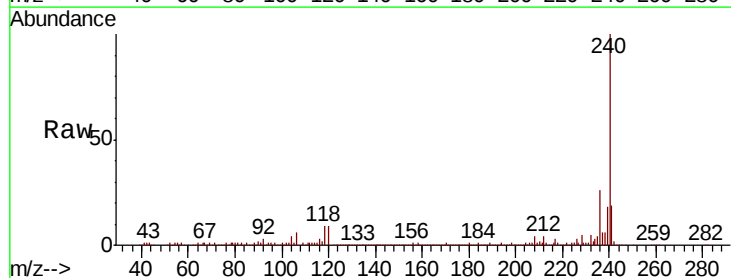
RT: 14.00 min Scan# 2026

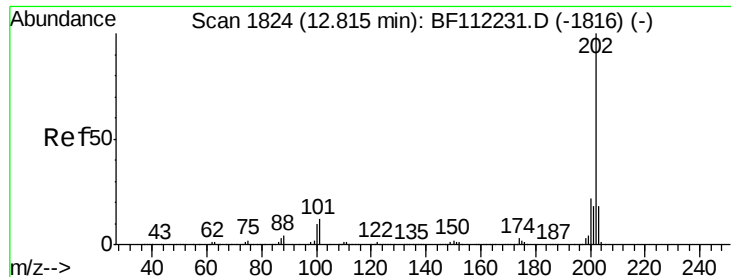
Delta R.T. -0.01 min

Lab File: BF112446.D

Acq: 7 Feb 2019 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	330219		
120	9.5	9.0	13.6	
236	25.9	20.7	31.1	





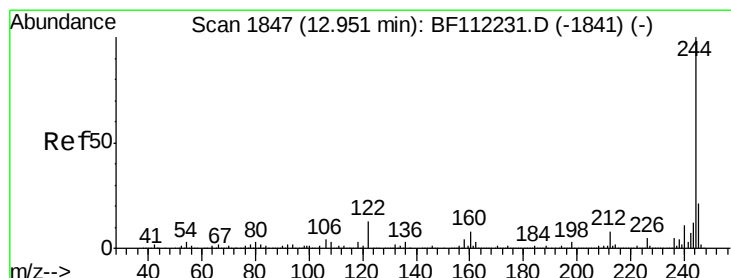
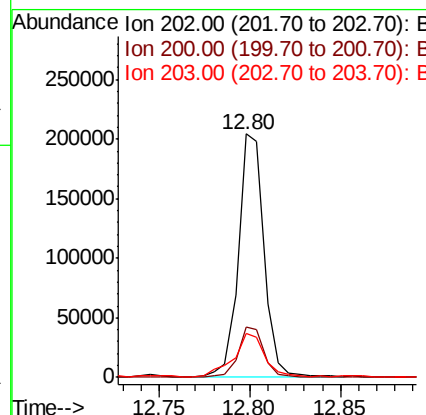
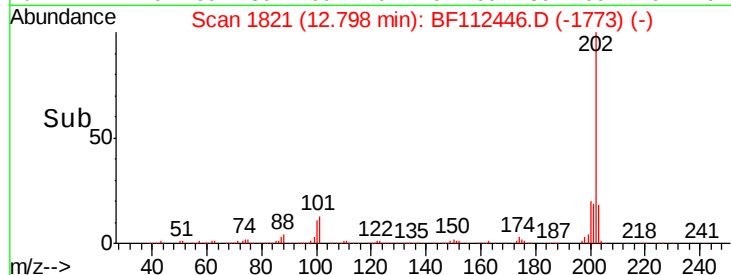
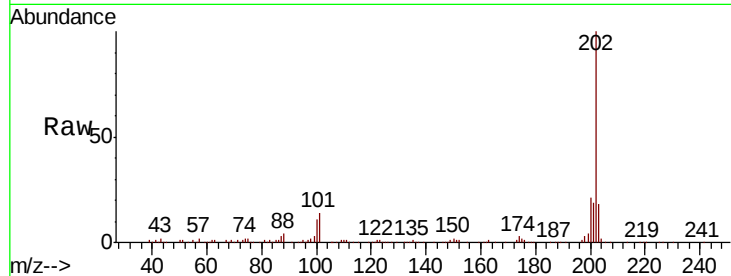
#78
Pvrene
Concen: 8.770 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Instrument :
BNA_F
ClientSampled :
98-SB-101-2-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.7	26.5
203	18.0	14.6	22.0

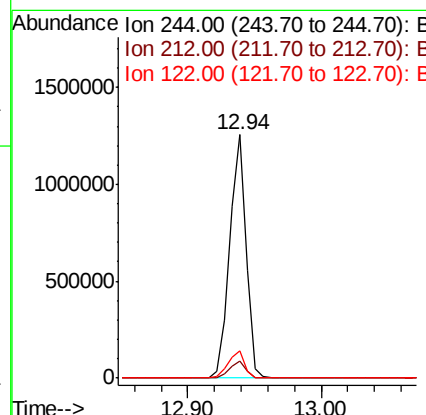
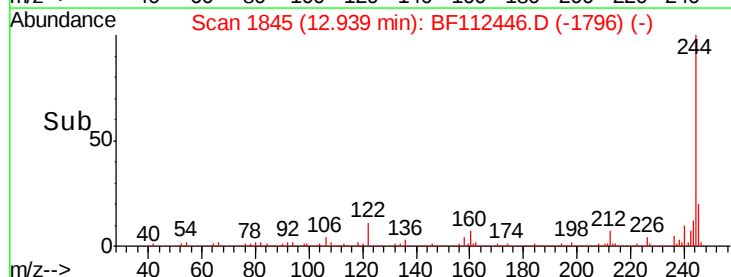
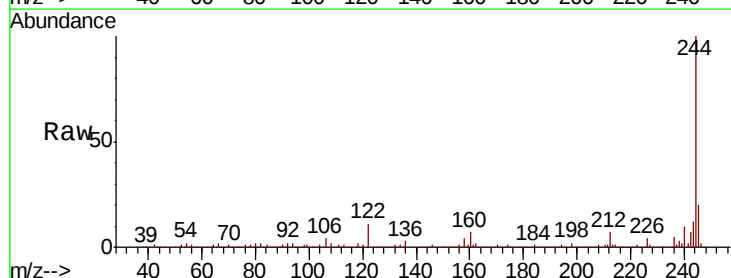
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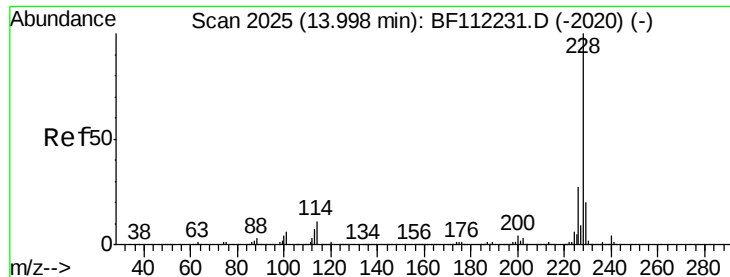
Sohil
2/11/2019 4:50:07 PM



#79
Terphenyl-d14
Concen: 62.735 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	11.2	9.8	14.6





#81

Benzo(a)anthracene

Concen: 5.427 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112446.D

Acq: 7 Feb 2019 18:55

Instrument :

BNA_F

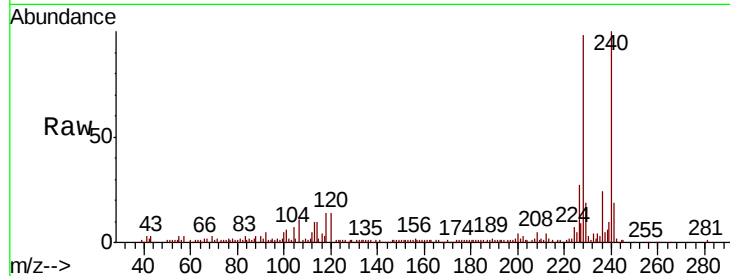
ClientSampled :

98-SB-101-2-4

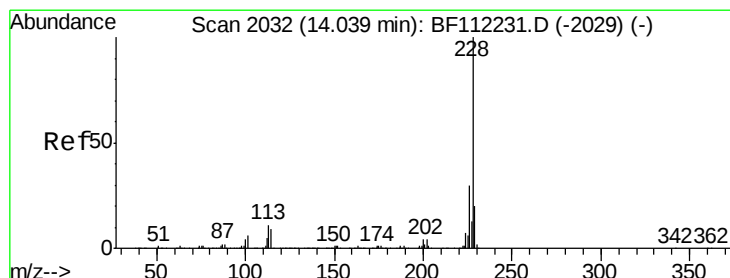
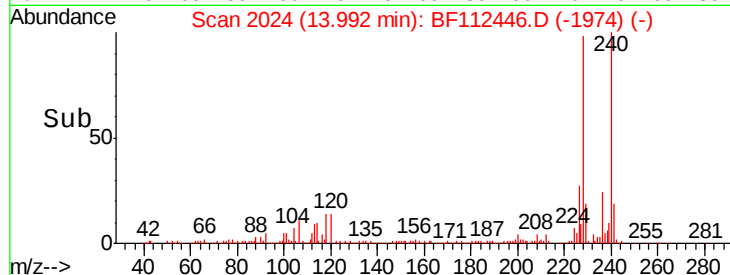
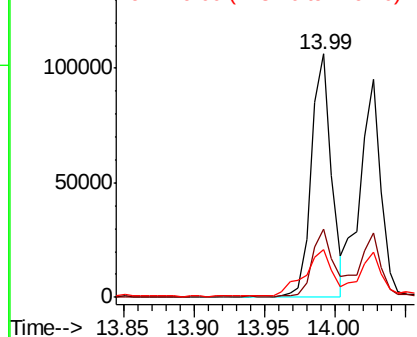
Tot Ion:	228	Resp:	105355
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.6	34.0
229	19.7	16.5	24.7

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 5.418 ng m

RT: 14.03 min Scan# 2030

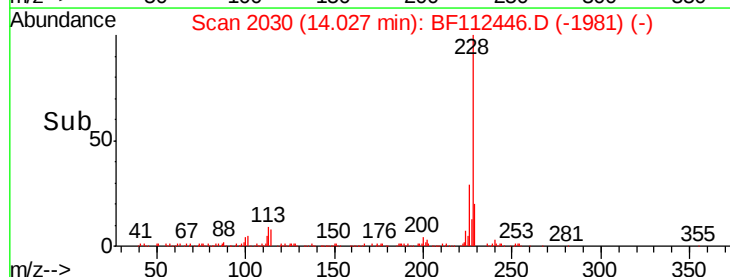
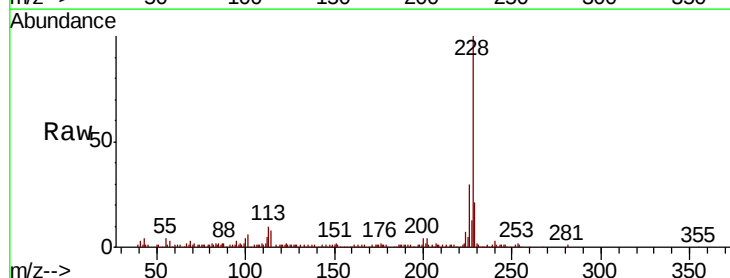
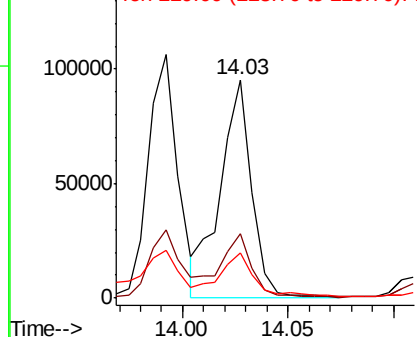
Delta R.T. -0.01 min

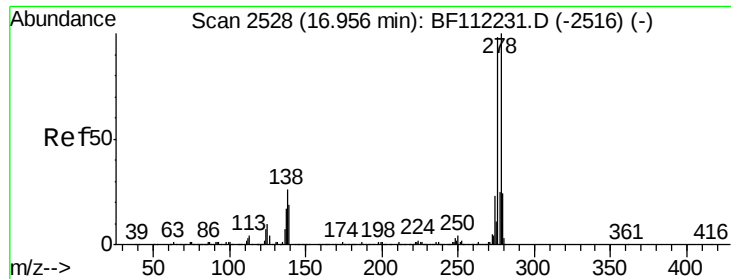
Lab File: BF112446.D

Acq: 7 Feb 2019 18:55

Tgt Ion:	228	Resp:	100389
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.0	37.6
229	20.8	16.6	24.8

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





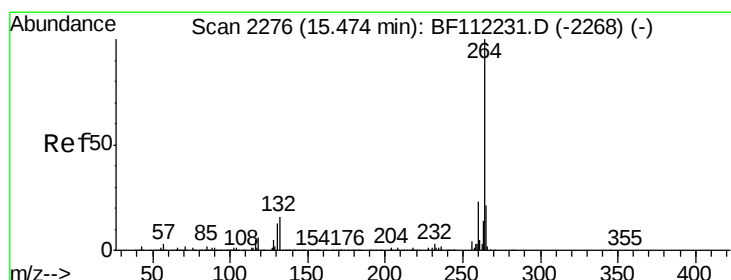
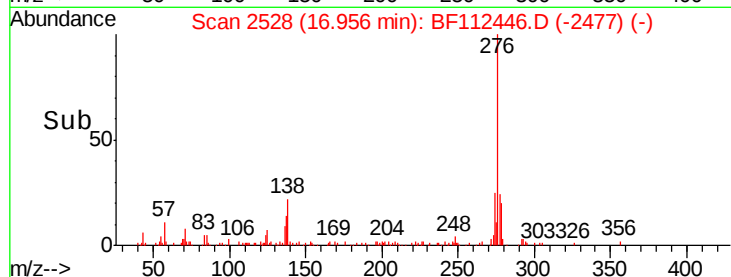
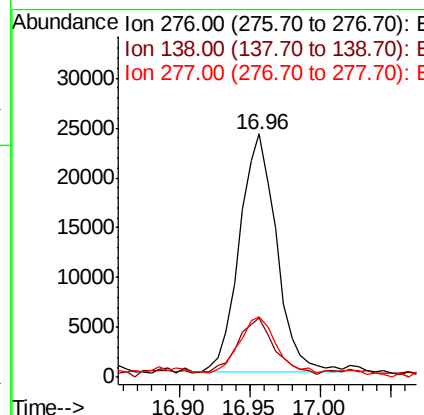
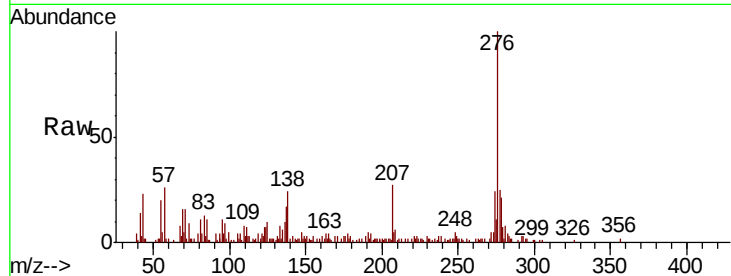
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.996 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.00 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Instrument :
BNA_F
ClientSampleId :
98-SB-101-2-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	22.6	34.0
277	23.4	20.3	30.5

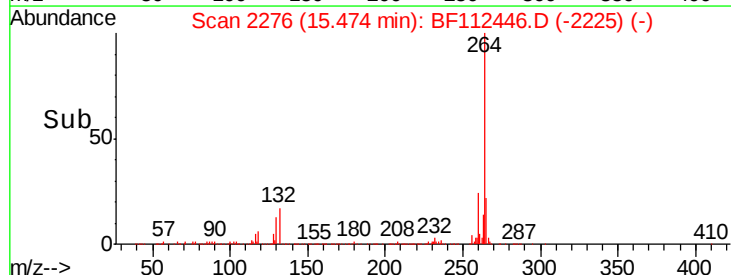
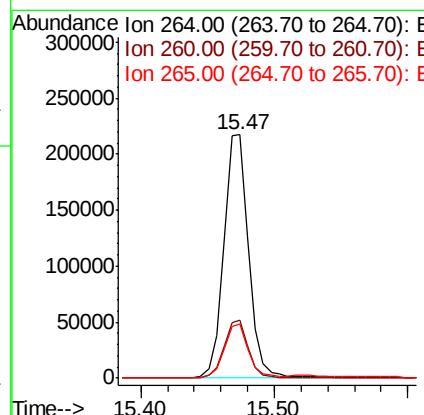
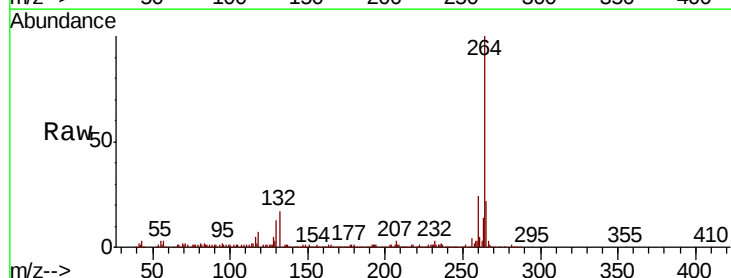
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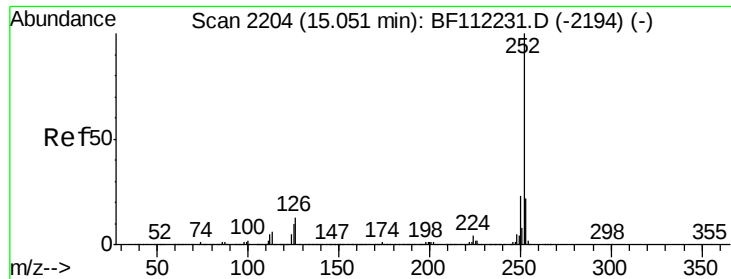
Sohil
2/11/2019 4:50:07 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.2
265	22.4	17.0	25.4





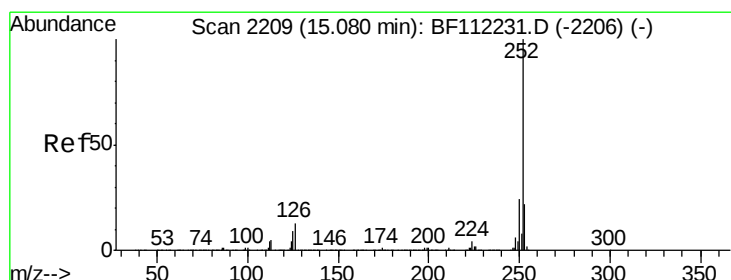
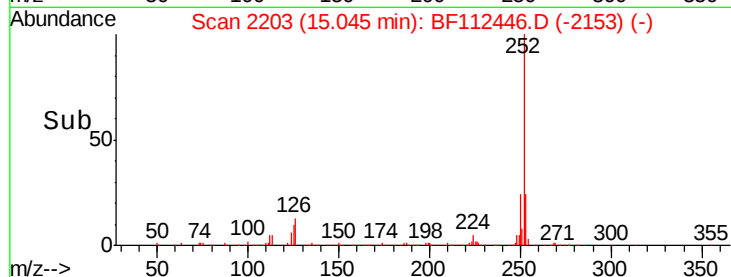
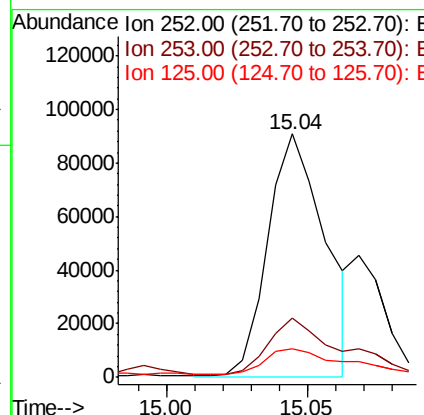
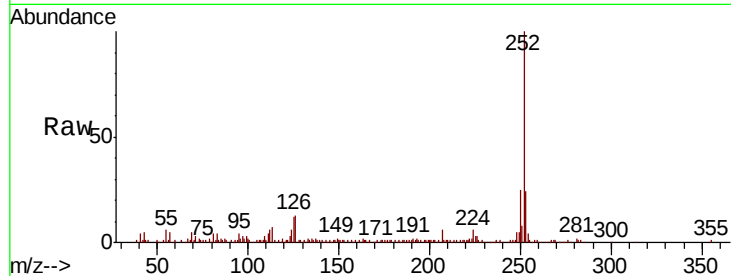
#88
Benzo(b)fluoranthene
Concen: 7.517 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Instrument :
BNA_F
ClientSampleId :
98-SB-101-2-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	11.8	8.7	13.1

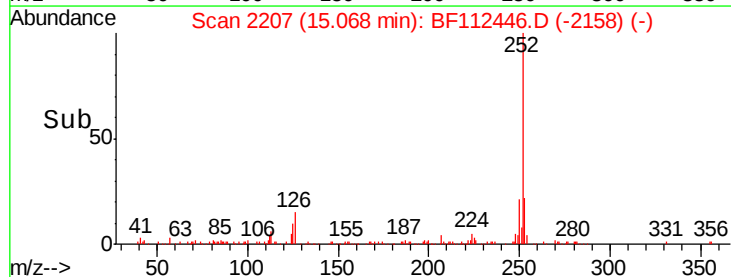
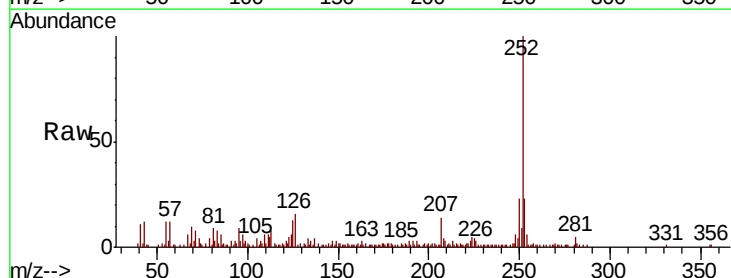
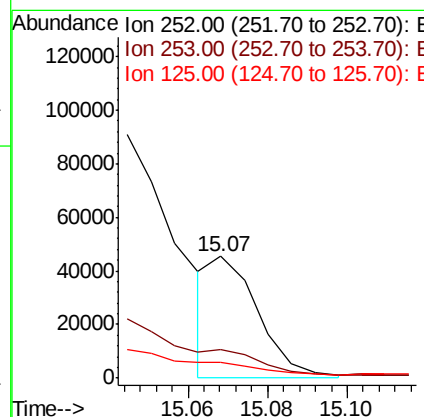
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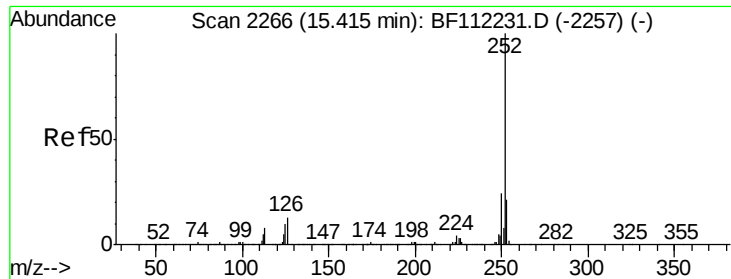
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2/11/2019 4:50:07 PM



#89
Benzo(k)fluoranthene
Concen: 2.305 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	13.2	9.1	13.7





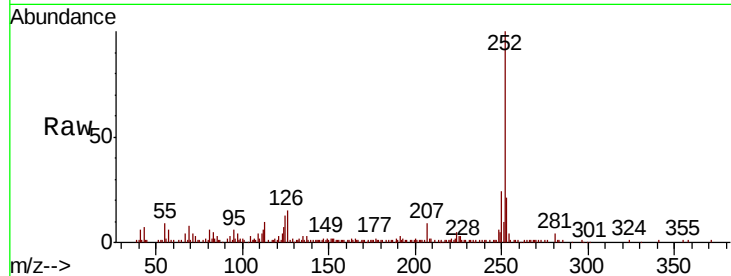
#90
Benzo(a)pyrene
Concen: 5.318 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Instrument :
BNA_F
ClientSampleId :
98-SB-101-2-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	12.5	9.0	13.4

Manual Integrations
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2/11/2019 4:50:07 PM

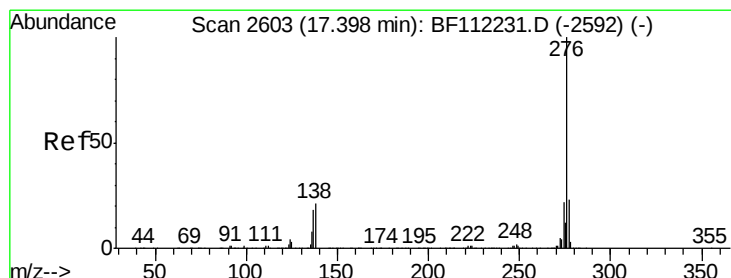
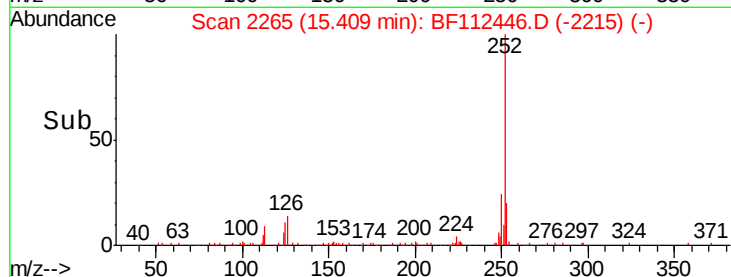
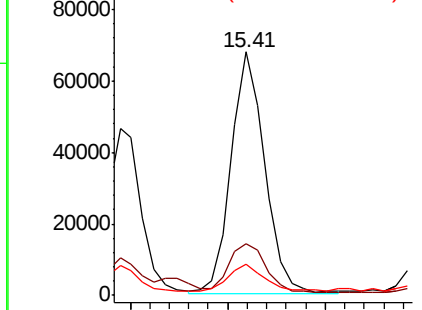


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.686 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.01 min
Lab File: BF112446.D
Acq: 7 Feb 2019 18:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.4	29.0
138	24.6	19.1	28.7

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

