

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
 Data File : BF111402.D
 Acq On : 14 Dec 2018 7:07
 Operator : JU/SJ
 Sample : J6214-43DL 100X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(12.5-14.5)DL

Manual Integrations
 APPROVED

Sohil
 12/14/2018 12:54:20 PM

Quant Time: Dec 14 07:37:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	219892	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	853875	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	334516	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	488657	20.00	ng	0.00
76) Chrysene-d12	13.95	240	344440	20.00	ng	0.00
87) Perylene-d12	15.39	264	275872	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	10447	0.80	ng	0.00
7) Phenol-d6	6.43	99	15445	0.88	ng	0.00
23) Nitrobenzene-d5	7.35	82	8468	0.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	1927	0.65	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	18414	0.88	ng	0.00
79) Terphenyl-d14	12.89	244	20994	1.34	ng	-0.01
Target Compounds						
52) Acenaphthene	9.86	154	59028	2.931	ng	99
58) Fluorene	10.37	166	57210	2.750	ng	100
71) Phenanthrene	11.34	178	1056484	41.828	ng	95
72) Anthracene	11.39	178	312967	12.169	ng	96
75) Fluoranthene	12.53	202	1897650	76.962	ng	100
78) Pyrene	12.76	202	1995230	75.057	ng	98
81) Benzo(a)anthracene	13.94	228	821377	42.620	ng	99
83) Chrysene	13.97	228	731528	37.205	ng	98
86) Indeno(1,2,3-cd)pyrene	16.80	276	275094m	17.888	ng	
88) Benzo(b)fluoranthene	14.97	252	684156m	43.613	ng	
89) Benzo(k)fluoranthene	15.00	252	197539m	12.616	ng	
90) Benzo(a)pyrene	15.33	252	501802	34.355	ng	98
91) Dibenzo(a,h)anthracene	16.80	278	67550m	5.559	ng	
92) Benzo(g,h,i)perylene	17.22	276	269744	22.202	ng	94

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

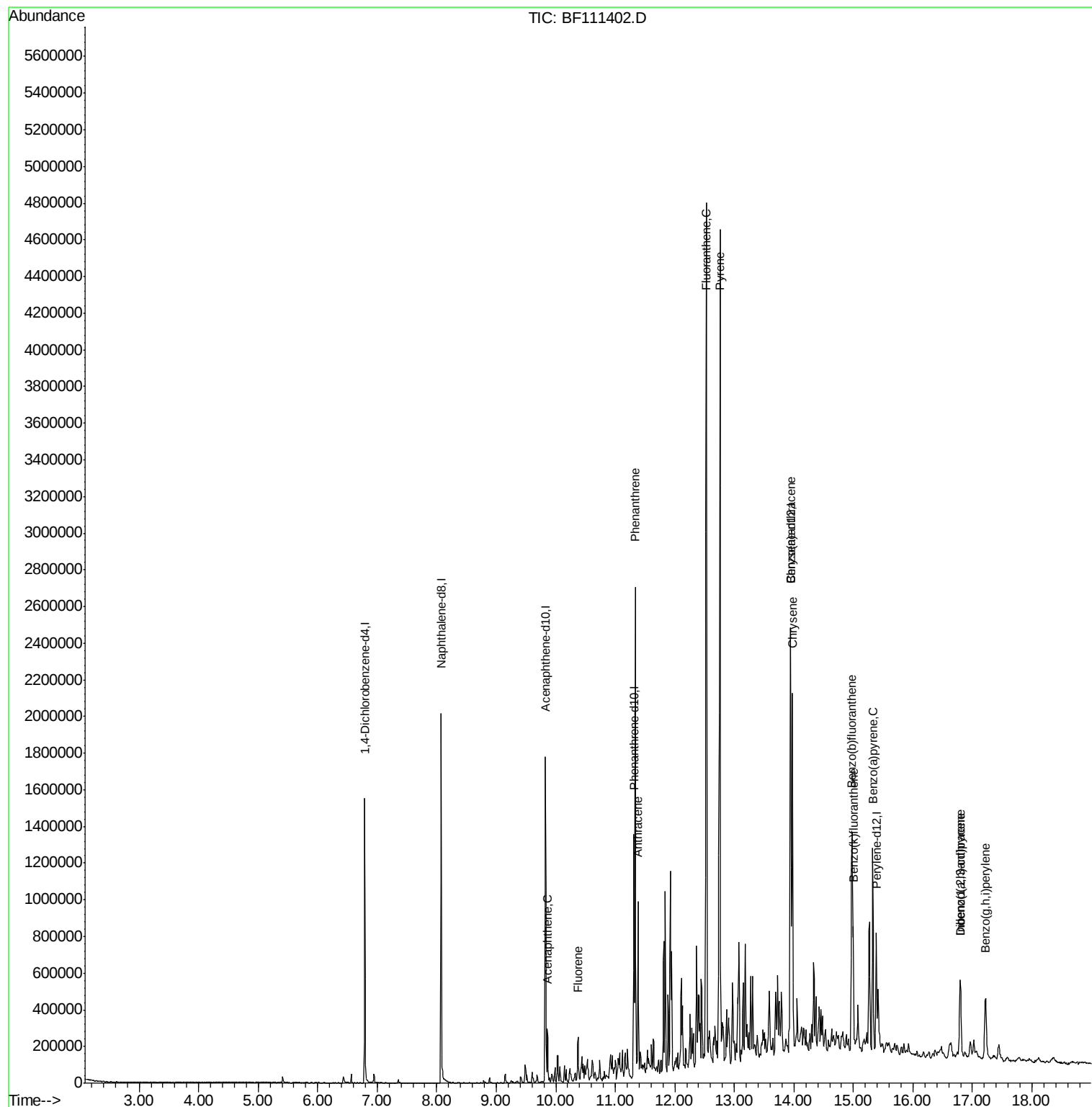
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111402.D
Acq On : 14 Dec 2018 7:07
Operator : JU/SJ
Sample : J6214-43DL 100X
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ALS Vial : 30 Sample Multiplier: 1

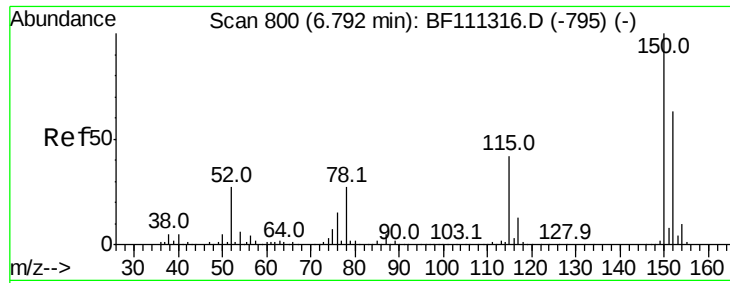
Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)DL

Manual Integrations
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Quant Time: Dec 14 07:37:32 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 13:16:52 2018
Response via : Initial Calibration





#1

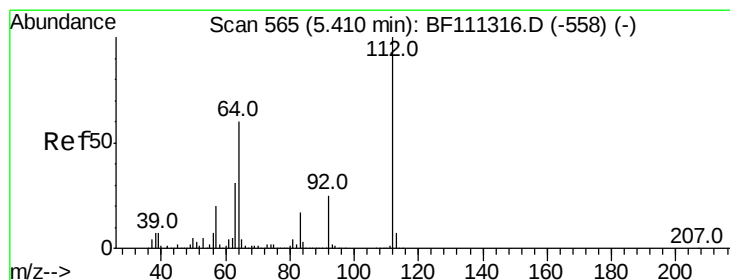
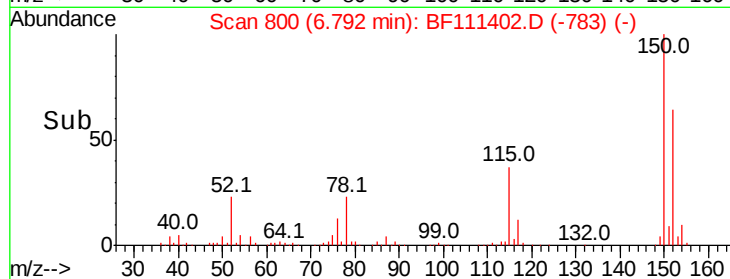
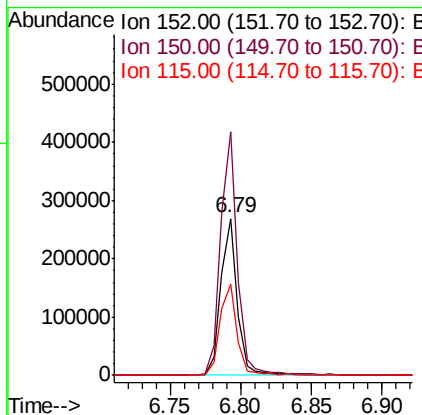
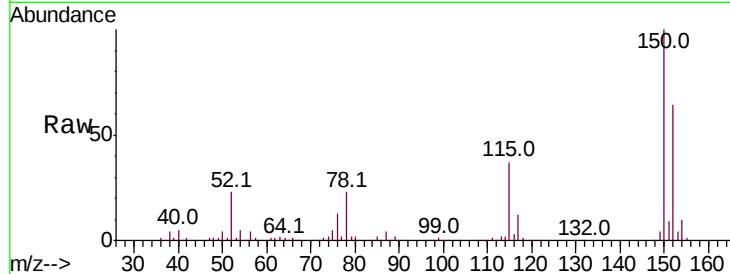
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.6	189.8
115	58.2	50.7	76.1

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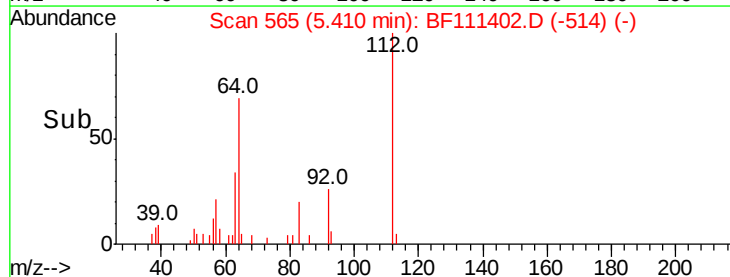
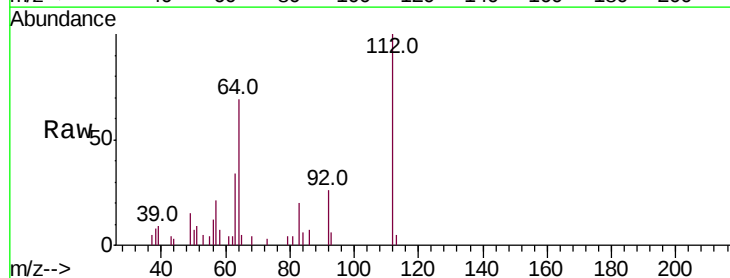
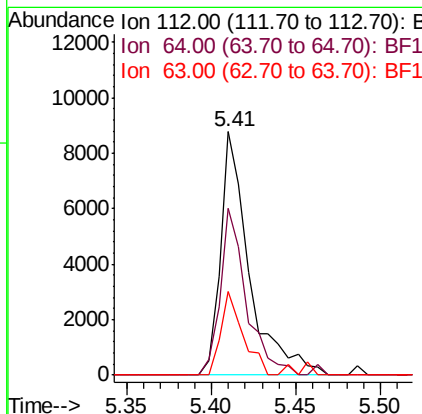
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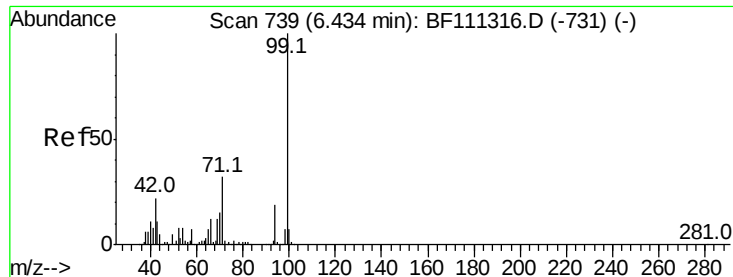


#5

2-Fluorophenol
Concen: 0.803 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.7	51.8	77.6
63	34.3	26.8	40.2





#7

Phenol-d6

Concen: 0.881 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF111402.D

Acq: 14 Dec 2018 7:07

Instrument :

BNA_F

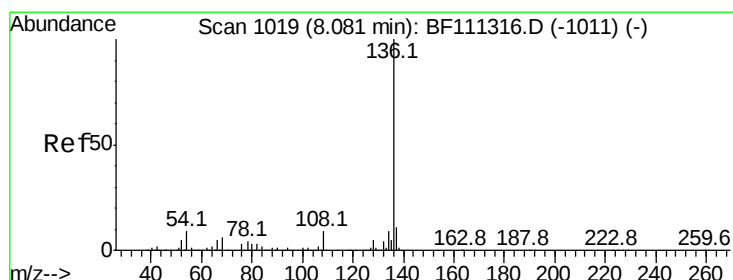
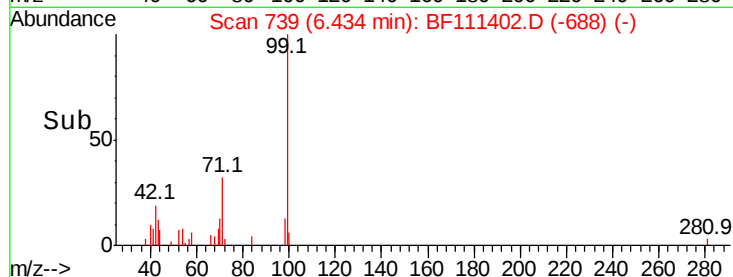
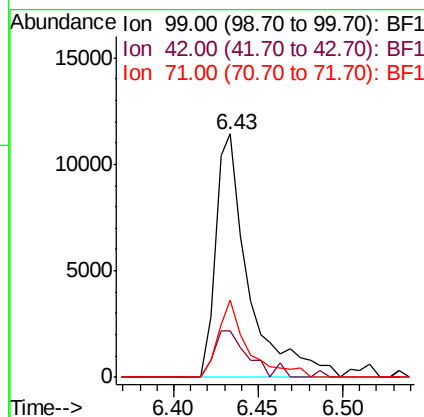
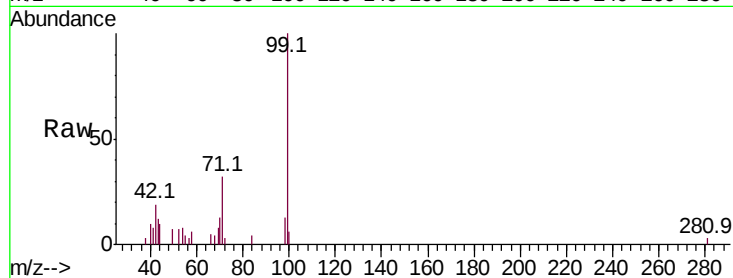
ClientSampleId :

SB-5(12.5-14.5)DL

Tot Ion:	99	Resp:	15445
Ion Ratio	Lower	Upper	
99	100		
42	19.2	17.4	26.0
71	31.8	26.1	39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

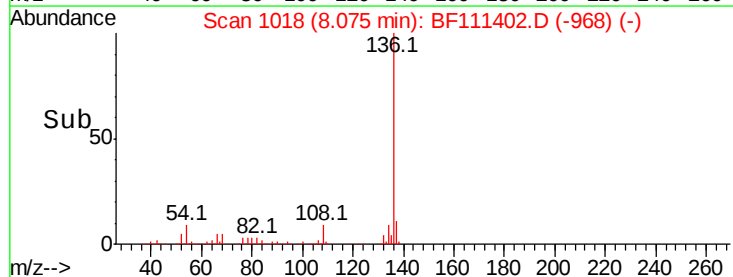
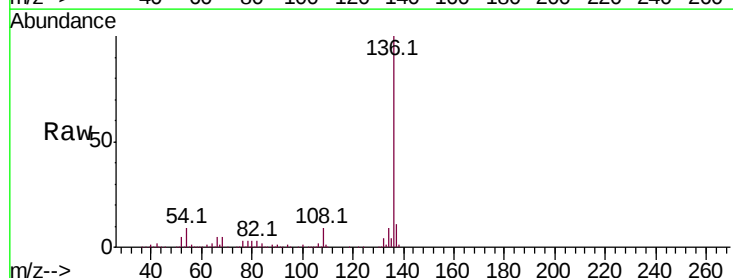
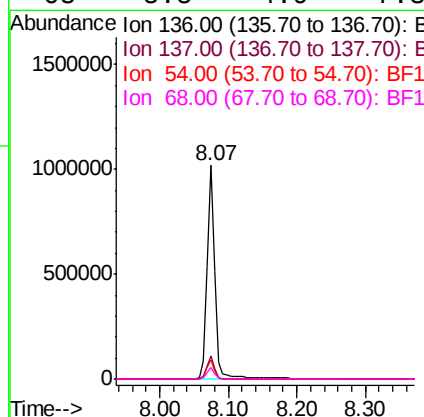
RT: 8.07 min Scan# 1018

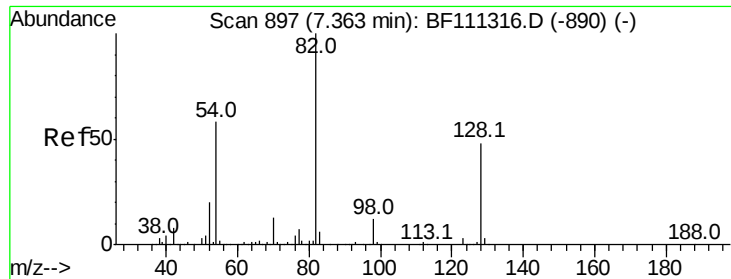
Delta R.T. -0.01 min

Lab File: BF111402.D

Acq: 14 Dec 2018 7:07

Tgt Ion:	136	Resp:	853875
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.1	13.7
54	9.3	7.7	11.5
68	5.5	4.9	7.3





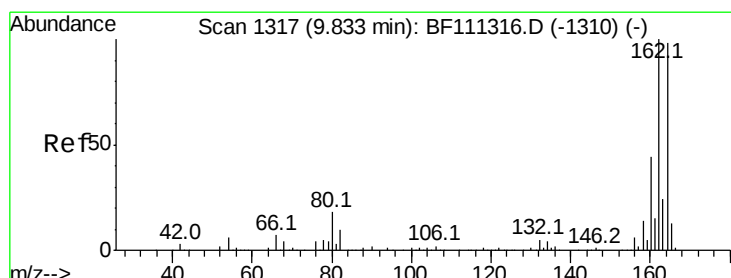
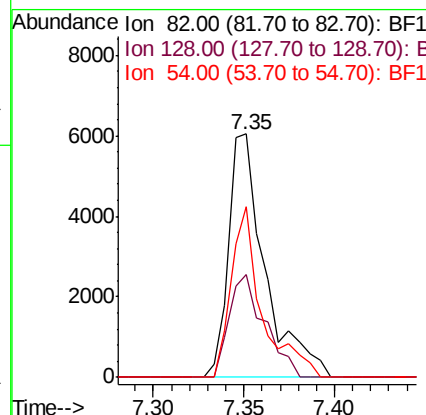
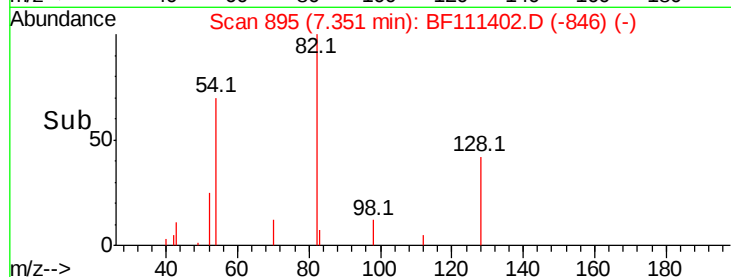
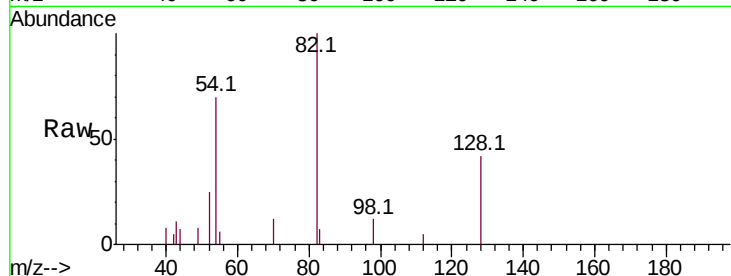
#23
Nitrobenzene-d5
Concen: 0.559 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.3	37.4	56.2
54	70.0	47.6	71.4

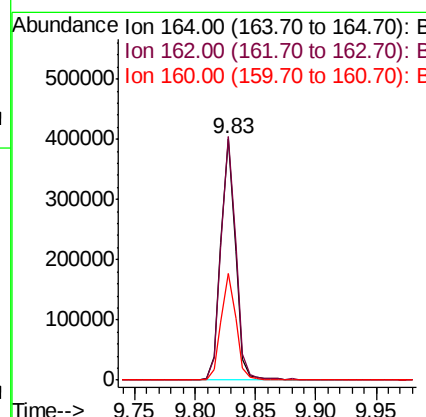
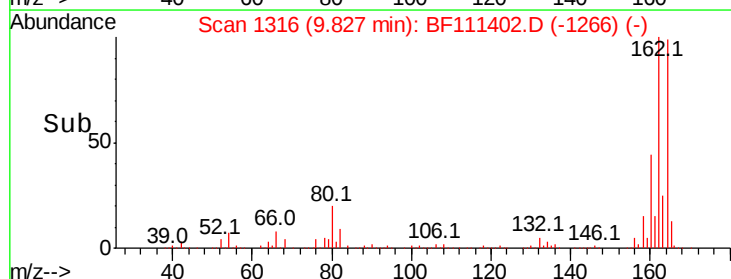
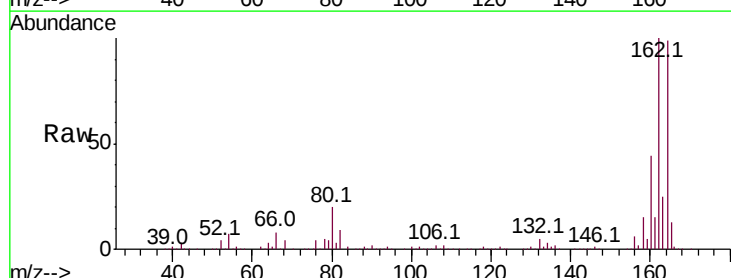
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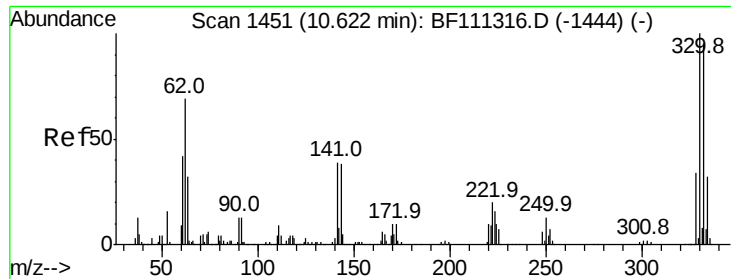
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.4	122.0
160	44.1	35.7	53.5





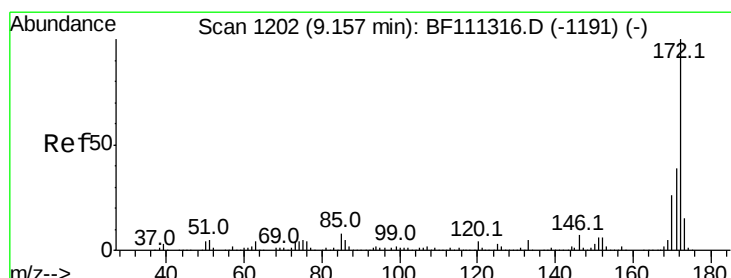
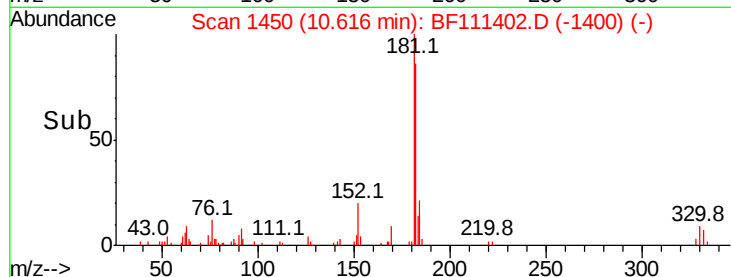
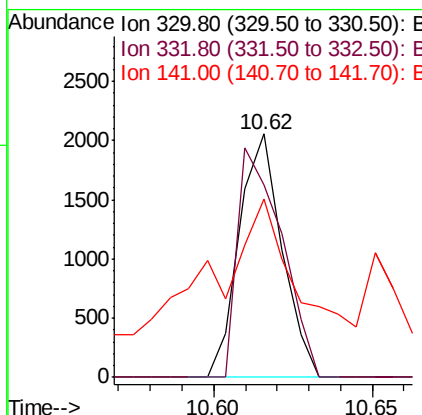
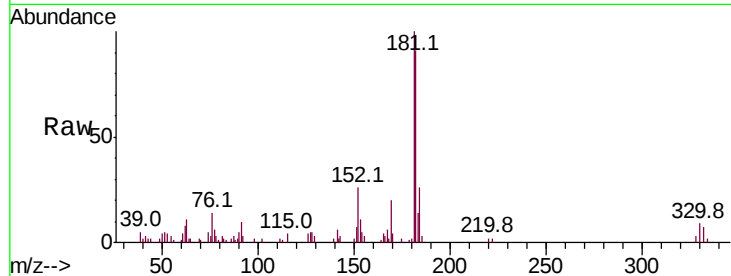
#42
 2,4,6-Tribromophenol
 Concen: 0.653 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111402.D
 Acq: 14 Dec 2018 7:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(12.5-14.5)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.0	114.0
141	177.5	31.0	46.6#

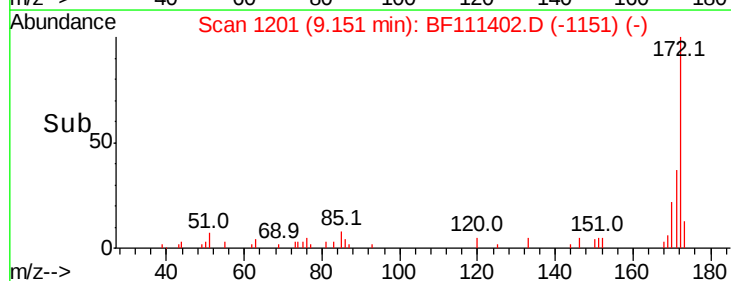
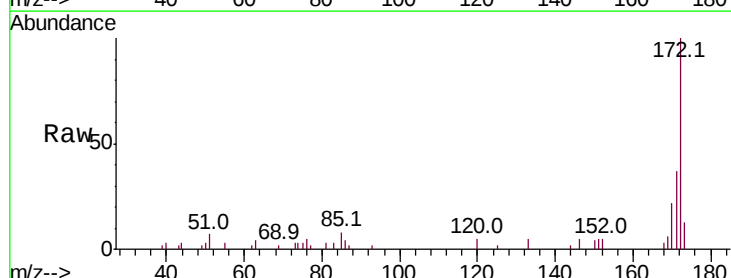
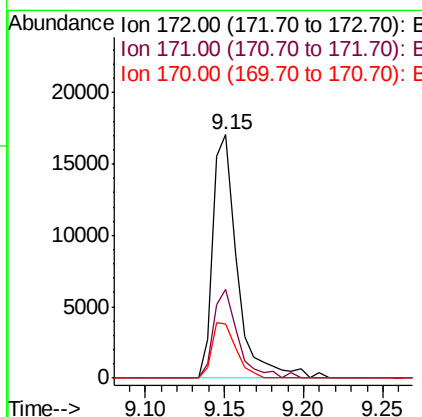
Manual Integrations
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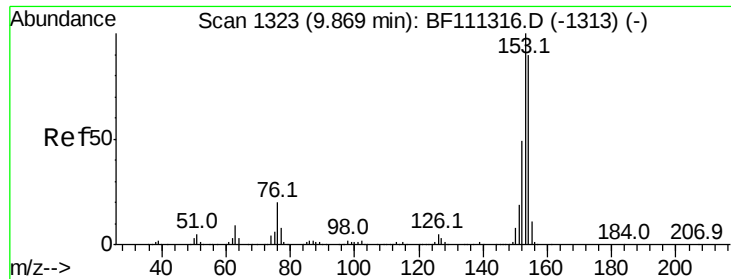
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#45
 2-Fluorobiphenyl
 Concen: 0.884 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111402.D
 Acq: 14 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	33.0	49.4
170	22.4	22.3	33.5





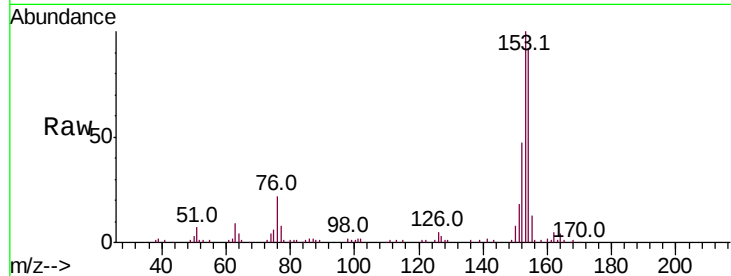
#52
Acenaphthene
Concen: 2.931 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	109.3	87.8	131.8
152	51.8	43.4	65.2

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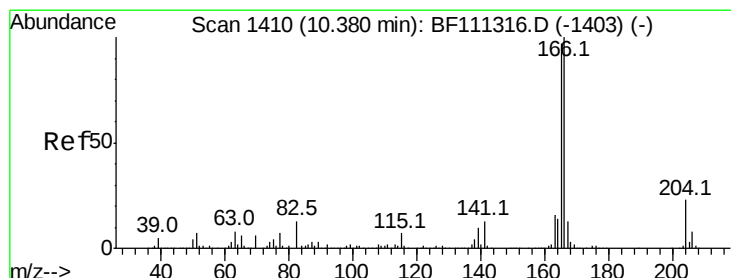
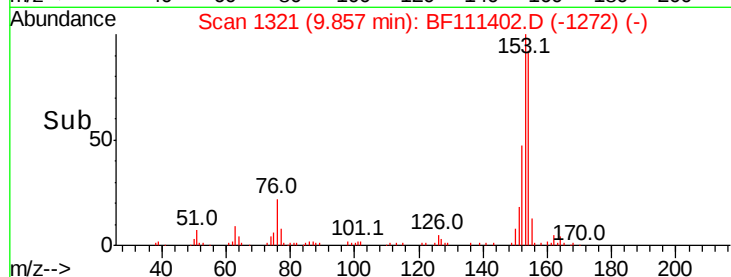
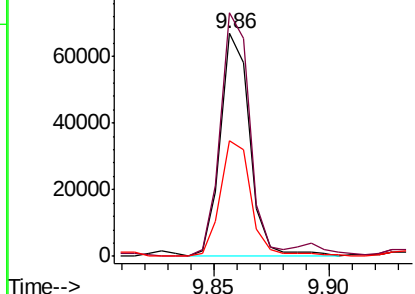


Abundance

Ion 154.00 (153.70 to 154.70): E

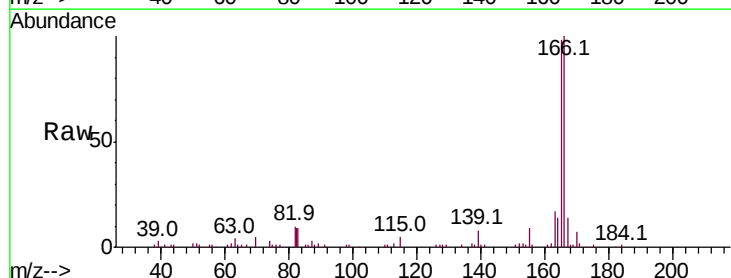
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58
Fluorene
Concen: 2.750 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.4	117.6
167	13.7	11.2	16.8

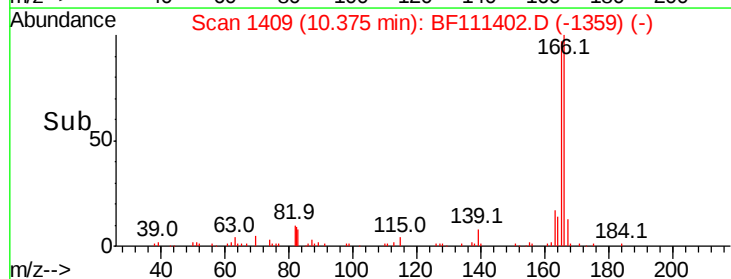
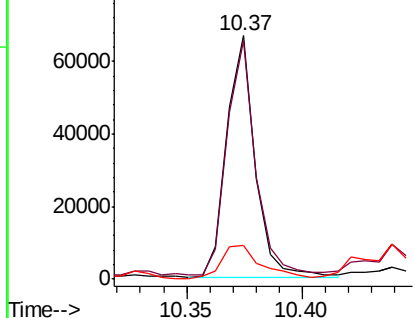


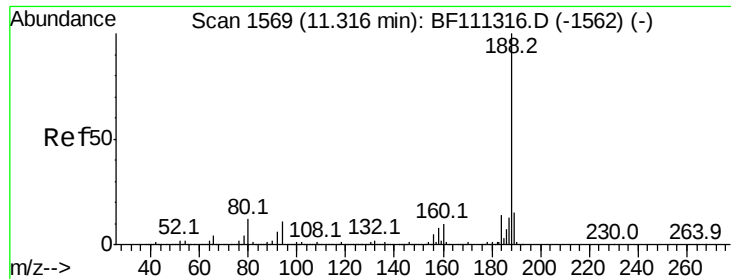
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





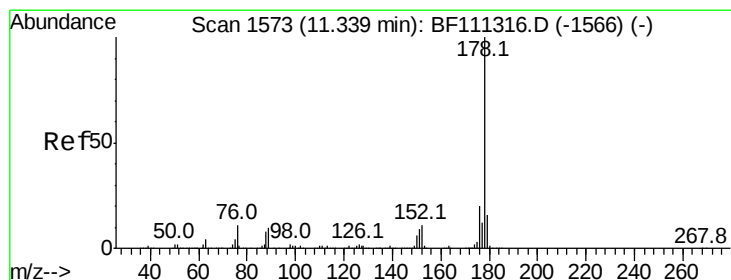
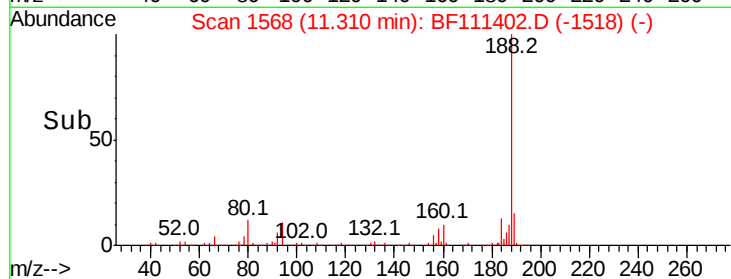
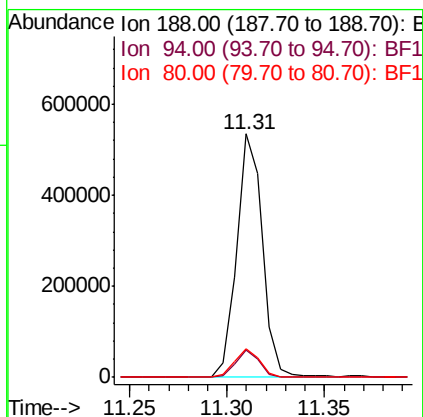
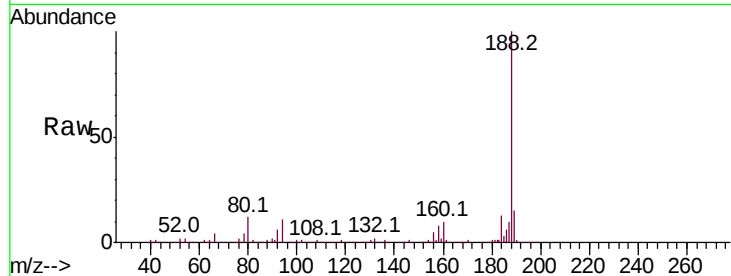
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.0	9.6	14.4
80	12.0	9.8	14.6

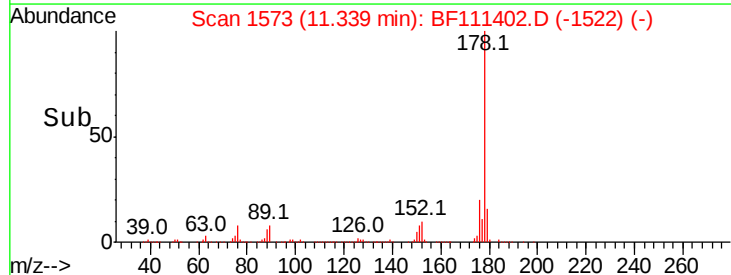
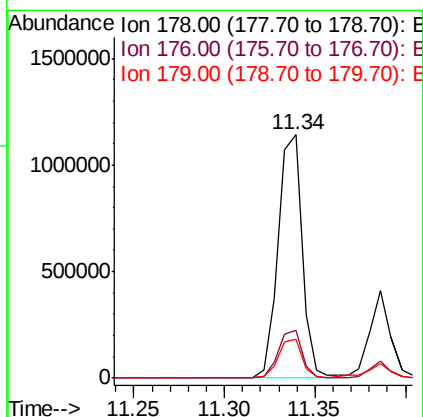
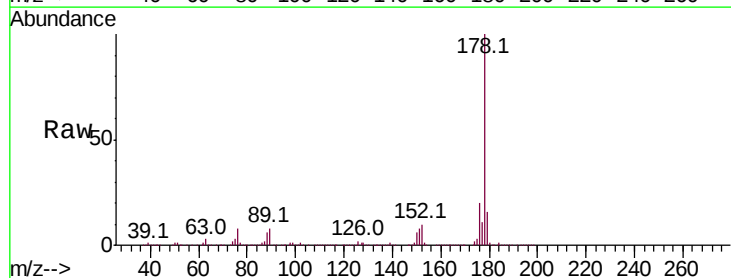
Manual Integrations
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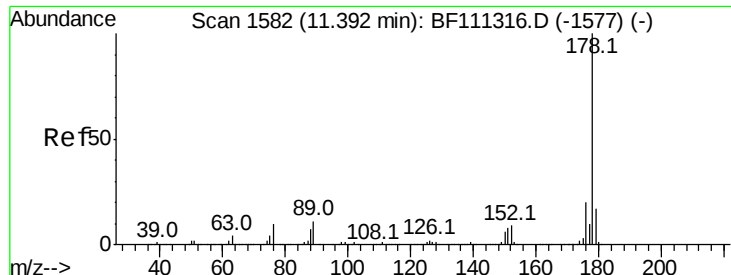
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#71
Phenanthrene
Concen: 41.828 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	18.1	27.1
179	15.8	14.0	21.0





#72

Anthracene

Concen: 12.169 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111402.D

Acq: 14 Dec 2018 7:07

Instrument :

BNA_F

ClientSampleId :

SB-5(12.5-14.5)DL

Tot Ion:178 Resp: 312967

Ion Ratio Lower Upper

178 100

176 19.0 17.2 25.8

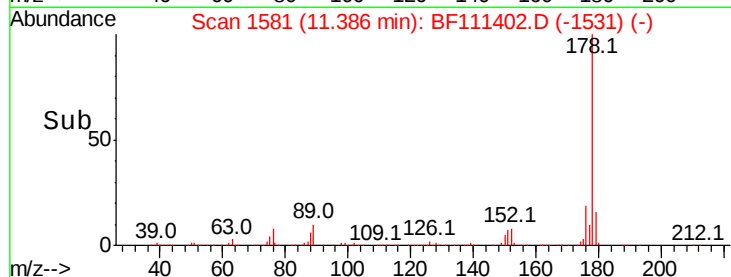
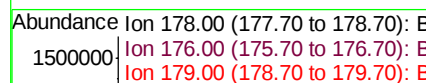
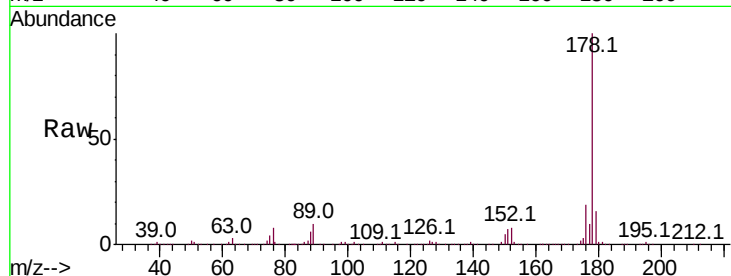
179 15.8 13.8 20.8

Manual Integrations

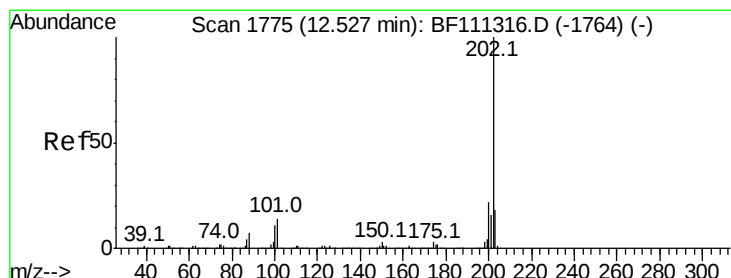
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Time-->



#75

Fluoranthene

Concen: 76.962 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.00 min

Lab File: BF111402.D

Acq: 14 Dec 2018 7:07

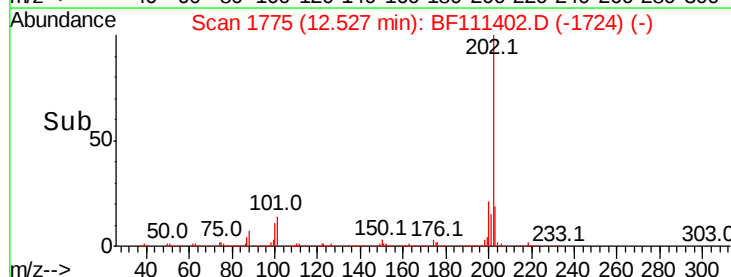
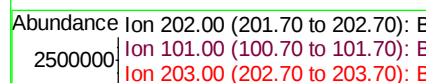
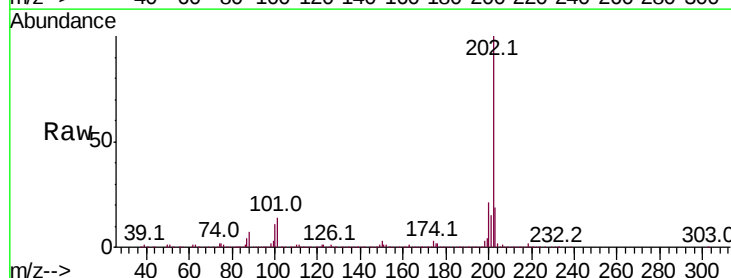
Tgt Ion:202 Resp: 1897650

Ion Ratio Lower Upper

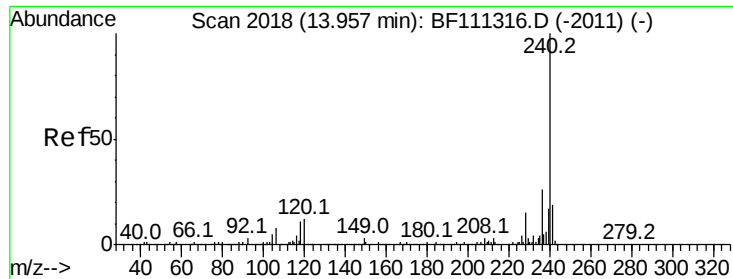
202 100

101 13.8 0.0 33.8

203 18.7 0.0 38.6



Time-->



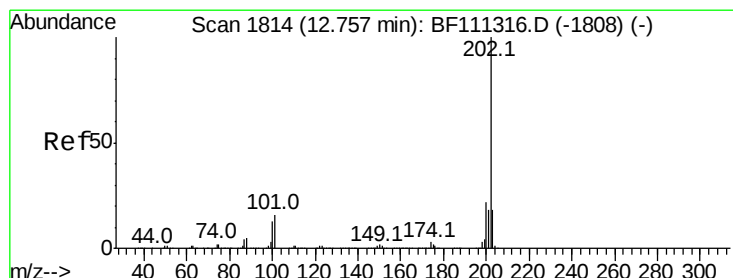
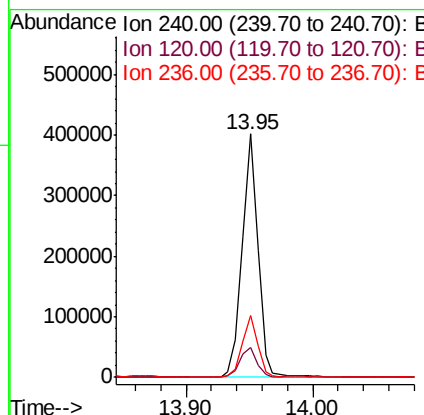
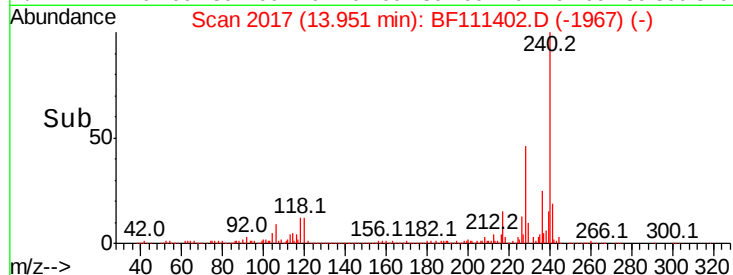
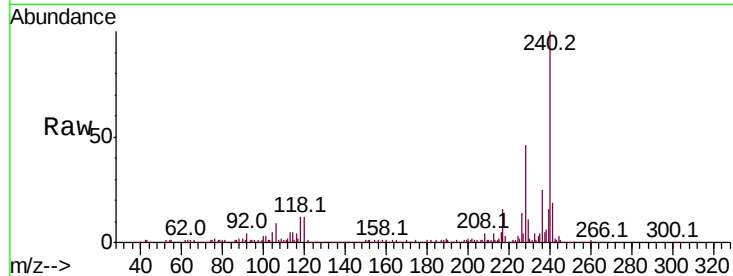
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF111402.D
 Acq: 14 Dec 2018 7:07

Instrument :
 BNA_F
 ClientSampleID :
 SB-5(12.5-14.5)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	12.2	18.2
236	25.3	20.2	30.2

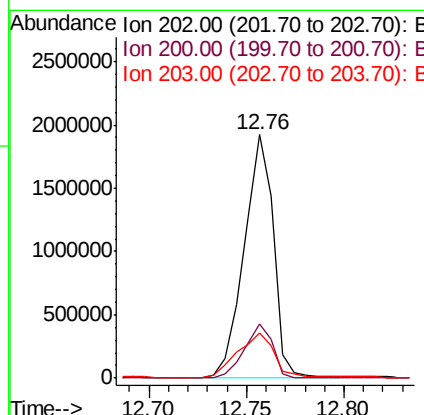
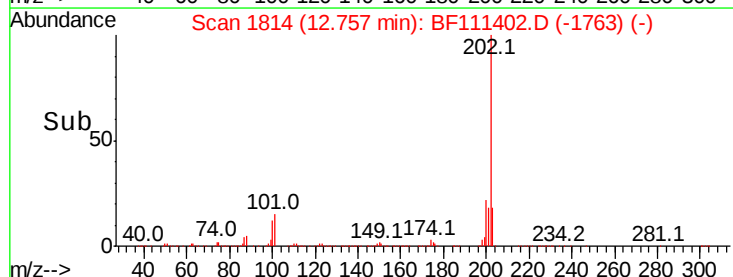
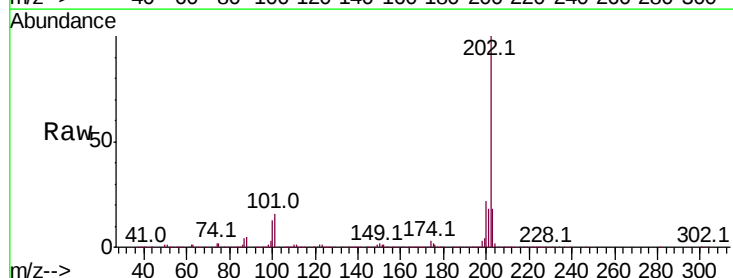
Manual Integrations
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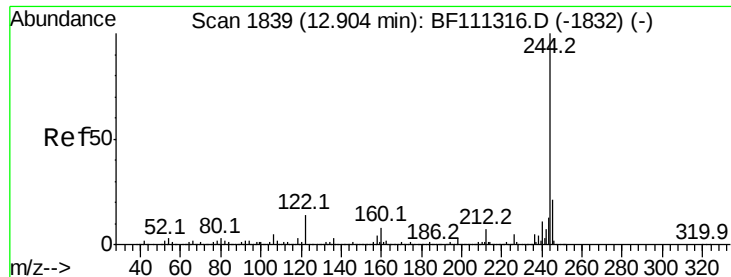
Sohil
 12/14/2018 12:54:20 PM



#78
 Pyrene
 Concen: 75.057 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. -0.00 min
 Lab File: BF111402.D
 Acq: 14 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	19.0	28.4
203	18.3	15.2	22.8





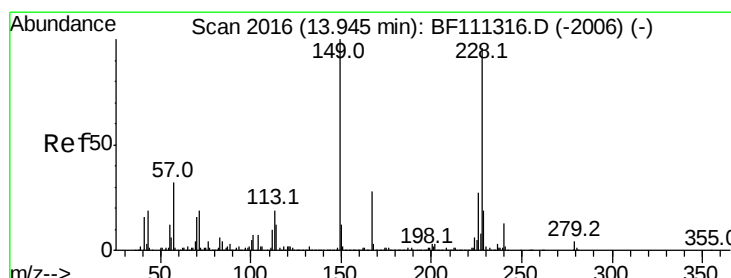
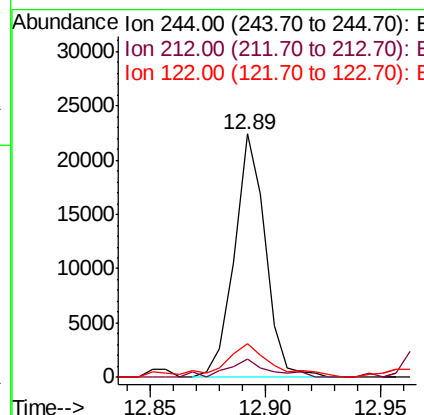
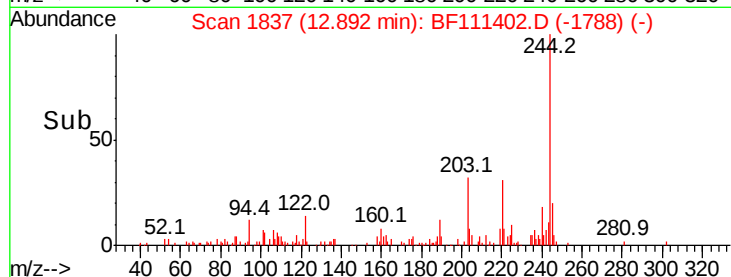
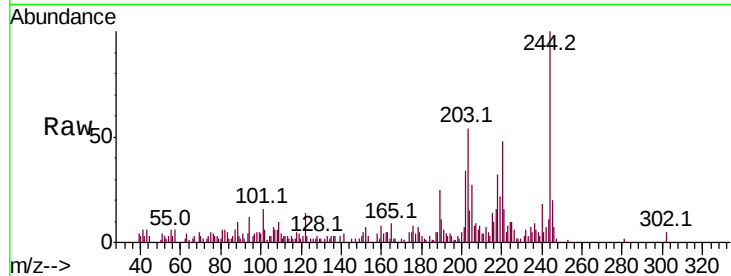
#79
 Terphenyl-d14
 Concen: 1.341 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF111402.D
 Acq: 14 Dec 2018 7:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(12.5-14.5)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	13.9	13.1	19.7

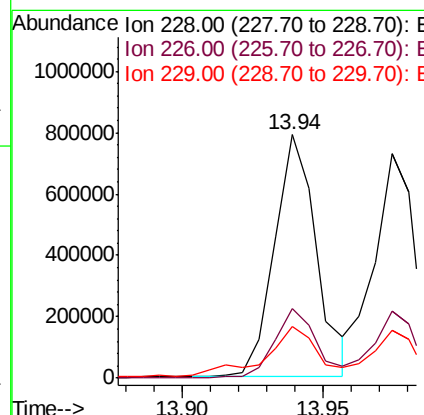
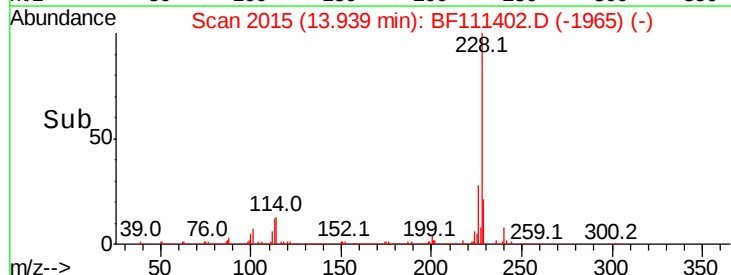
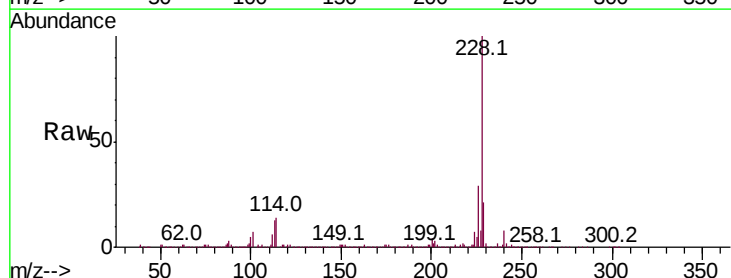
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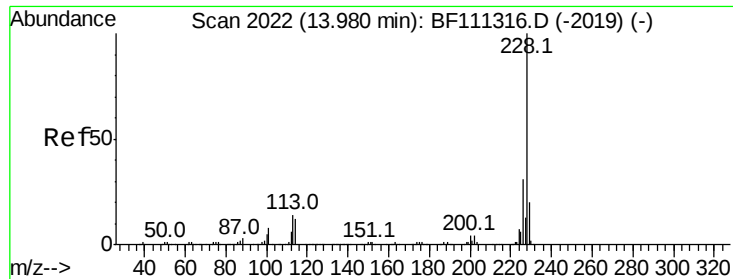
Sohil
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#81
 Benzo(a)anthracene
 Concen: 42.620 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF111402.D
 Acq: 14 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	34.0
229	21.4	16.3	24.5





#83

Chrysene

Concen: 37.205 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF111402.D

Acq: 14 Dec 2018 7:07

Instrument :

BNA_F

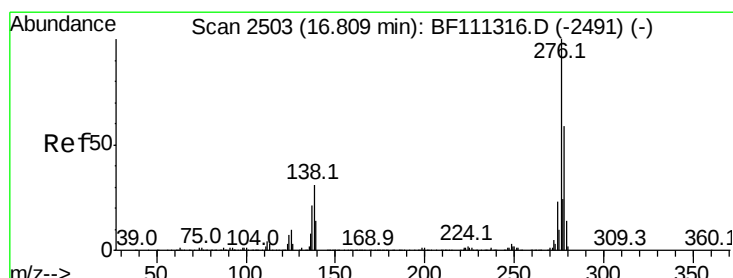
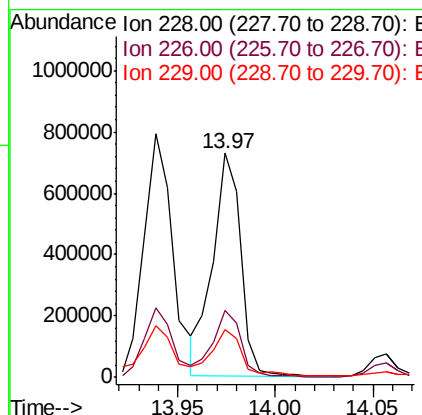
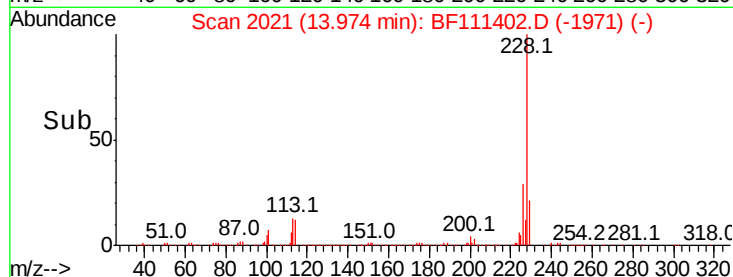
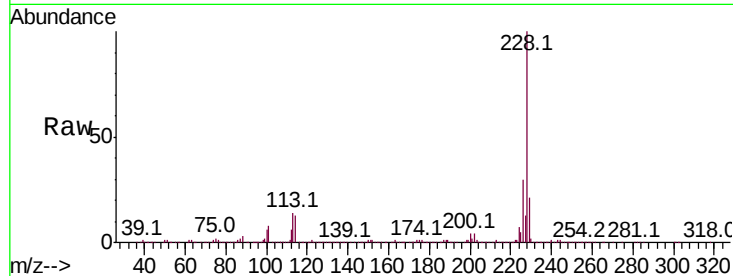
ClientSampleID :

SB-5(12.5-14.5)DL

Tot Ion:	228	Resp:	731528
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.3	37.9
229	21.5	17.2	25.8

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#86

Indeno(1,2,3-cd)pyrene

Concen: 17.888 ng m

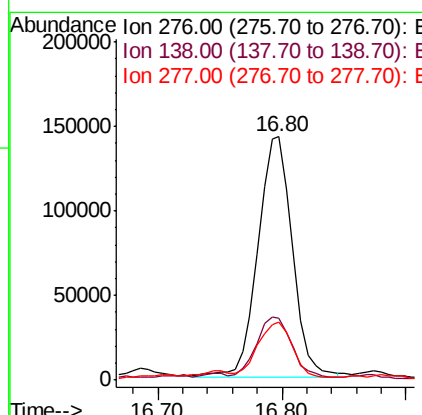
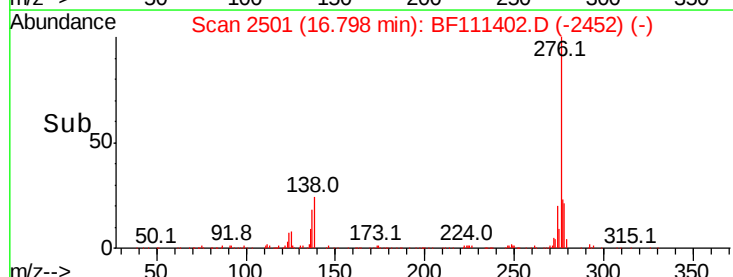
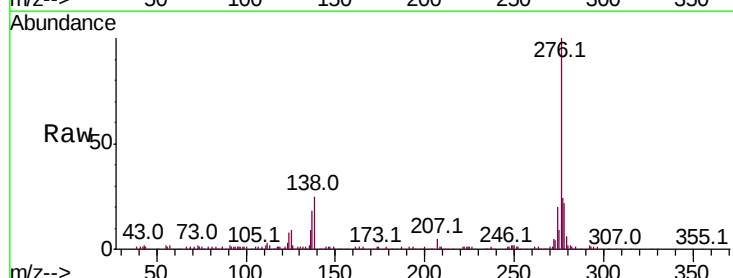
RT: 16.80 min Scan# 2501

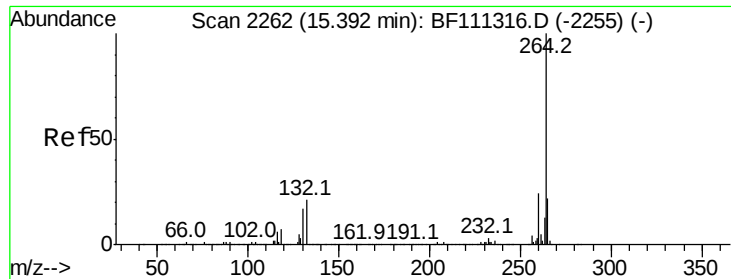
Delta R.T. -0.01 min

Lab File: BF111402.D

Acq: 14 Dec 2018 7:07

Tgt Ion:	276	Resp:	275094
Ion Ratio	Lower	Upper	
276	100		
138	5.7	27.8	41.6#
277	4.0	20.1	30.1#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2261

Delta R.T. -0.01 min

Lab File: BF111402.D

Acq: 14 Dec 2018 7:07

Instrument :

BNA_F

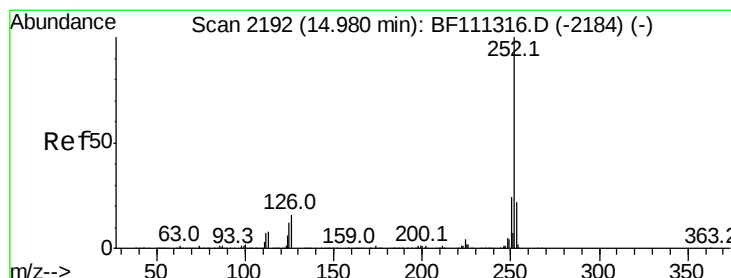
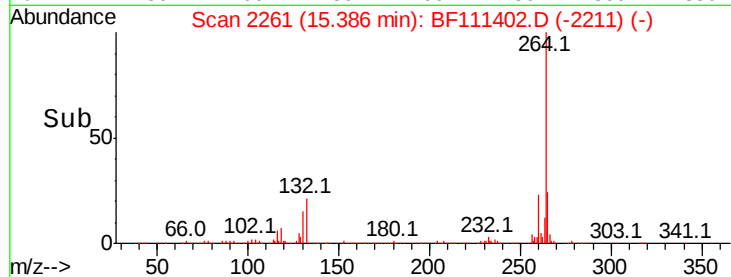
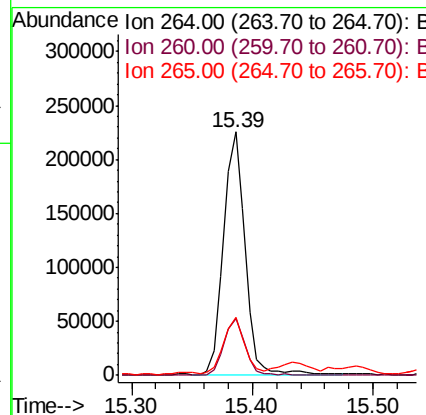
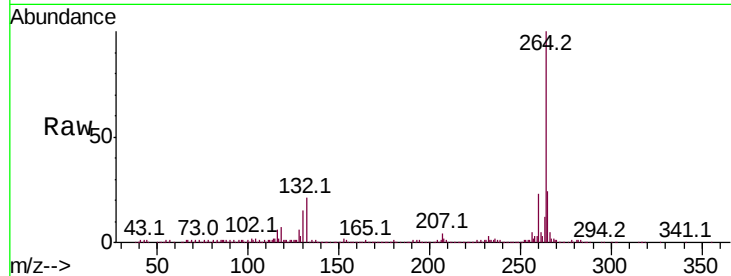
ClientSampleId :

SB-5(12.5-14.5)DL

Tot Ion:	264	Resp:	275872
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.3	27.5
265	23.7	17.7	26.5

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#88

Benzo(b)fluoranthene

Concen: 43.613 ng m

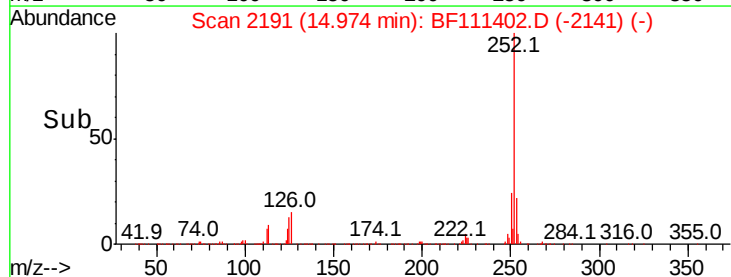
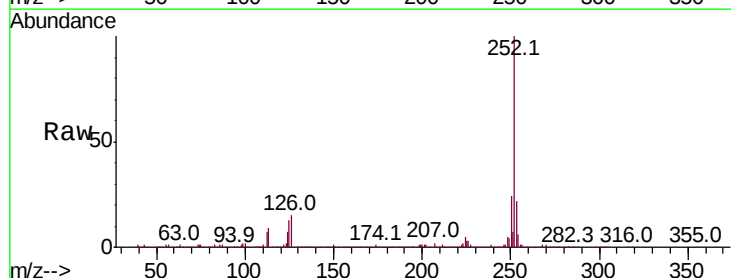
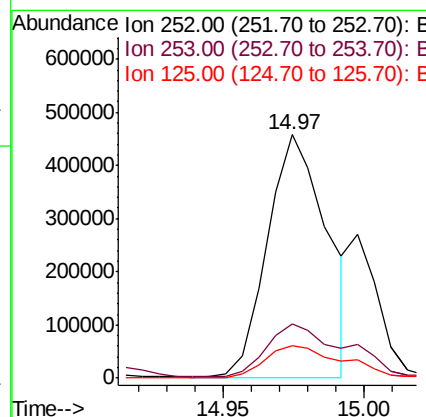
RT: 14.97 min Scan# 2191

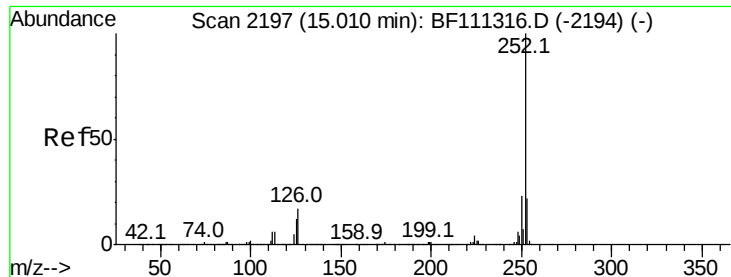
Delta R.T. -0.01 min

Lab File: BF111402.D

Acq: 14 Dec 2018 7:07

Tgt Ion:	252	Resp:	684156
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.2	27.2
125	13.3	10.4	15.6





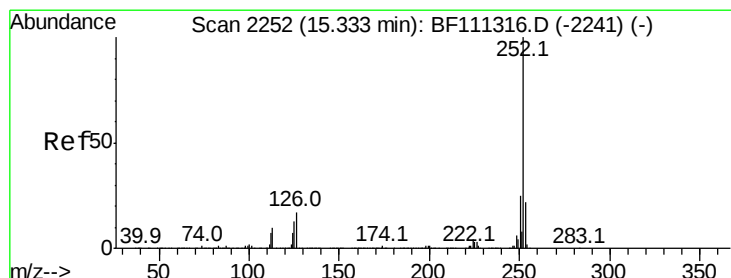
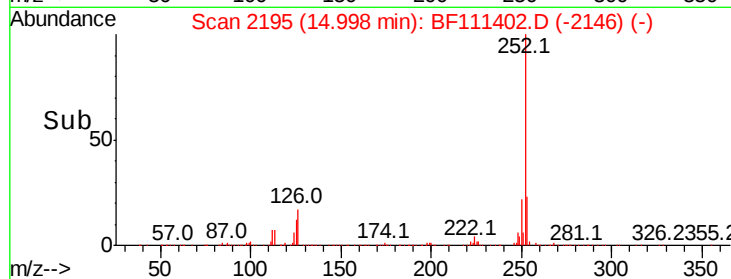
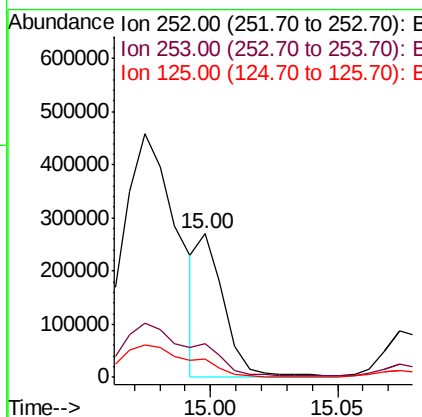
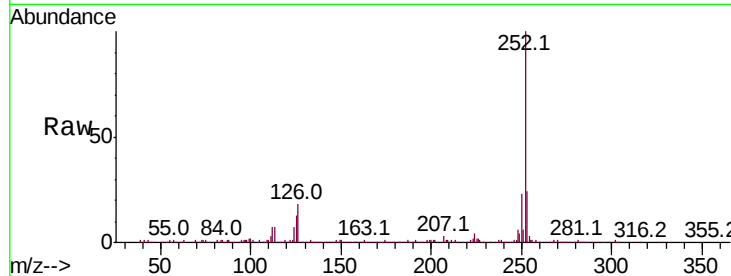
#89
Benzo(k)fluoranthene
Concen: 12.616 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	12.8	9.8	14.8

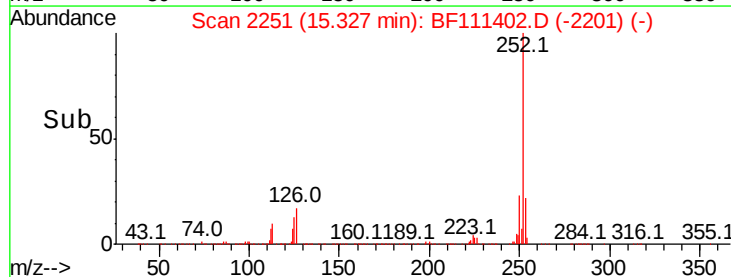
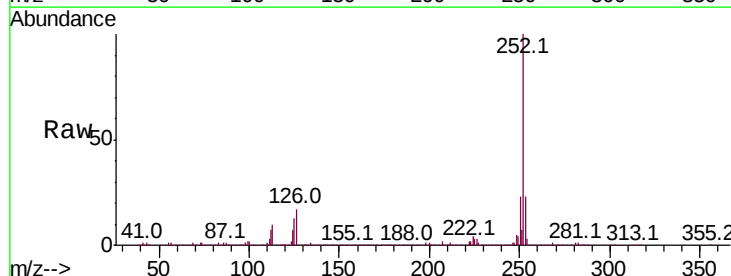
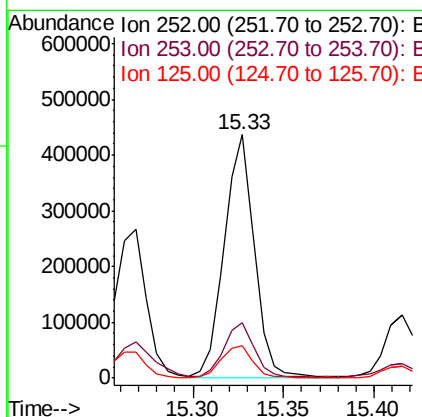
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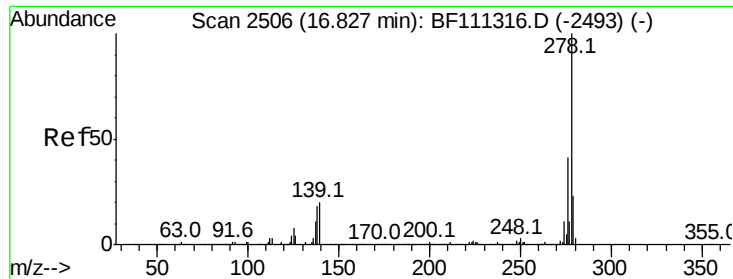
Sohil
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#90
Benzo(a)pyrene
Concen: 34.355 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	13.4	12.3	18.5





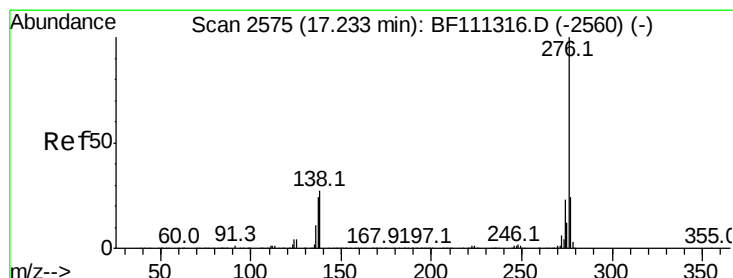
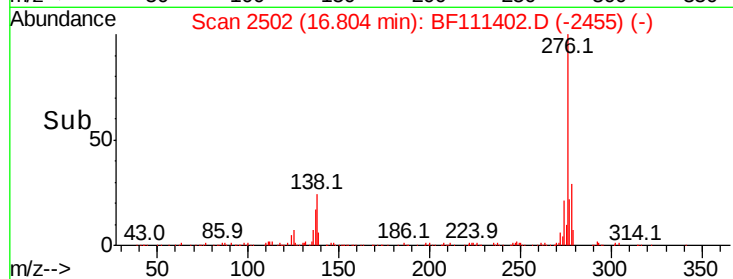
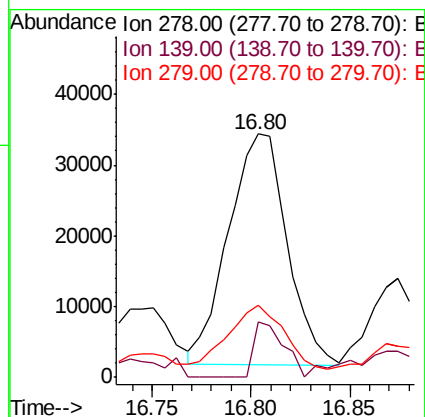
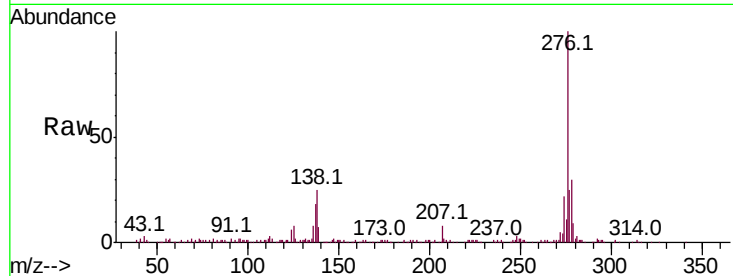
#91
Dibenzo(a,h)anthracene
Concen: 5.559 ng m
RT: 16.80 min Scan# 2502
Delta R.T. -0.02 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.0	18.2	27.4
279	29.8	19.0	28.6

Manual Integrations
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12/14/2018 12:54:20 PM



#92
Benzo(g,h,i)perylene
Concen: 22.202 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.2	28.8
138	25.8	24.9	37.3

