

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101807.D
 Acq On : 28 Dec 2017 17:25
 Operator : SJ/JU
 Sample : I6970-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-5-10

Manual Integrations
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Sohil
 12/29/2017 11:55:18 AM

Quant Time: Dec 28 18:21:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	155859	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	607625	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	243409	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	381840	20.00	ng	0.00
75) Chrysene-d12	13.97	240	268835	20.00	ng	0.00
86) Perylene-d12	15.44	264	295636	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	982905	93.94	ng	0.00
7) Phenol-d6	6.43	99	1249911	95.98	ng	0.00
23) Nitrobenzene-d5	7.36	82	781745	71.62	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	162040	69.09	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1191193	75.91	ng	0.00
78) Terphenyl-d14	12.90	244	850850	76.30	ng	0.00
Target Compounds						
10) Phenol	6.45	94	51297	3.456	ng	Qvalue # 71
31) Naphthalene	8.09	128	110039	3.597	ng	98
37) 2-Methylnaphthalene	8.78	142	60170	3.019	ng	98
49) Dimethylphthalate	9.53	163	73296	3.744	ng	99
51) Acenaphthene	9.85	154	214969	13.715	ng	97
54) Dibenzofuran	10.03	168	148892	7.475	ng	98
57) Fluorene	10.37	166	297692	17.667	ng	99
70) Phenanthrene	11.35	178	2076564	97.791	ng	98
71) Anthracene	11.39	178	914861	42.178	ng	99
72) Carbazole	11.56	167	133714	6.584	ng	98
74) Fluoranthene	12.55	202	1987863	89.187	ng	97
77) Pylene	12.77	202	2189849	108.537	ng	98
80) Benzo(a)anthracene	13.96	228	1071848	60.380	ng	99
82) Chrysene	14.00	228	971191	57.944	ng	98
85) Indeno(1,2,3-cd)pyrene	16.92	276	397202	26.612	ng	# 92
87) Benzo(b)fluoranthene	15.02	252	998249m	55.398	ng	
88) Benzo(k)fluoranthene	15.04	252	281486m	16.066	ng	
89) Benzo(a)pyrene	15.39	252	810844	48.812	ng	97
90) Dibenzo(a,h)anthracene	16.92	278	106418m	7.461	ng	
91) Benzo(a,h,i)perylene	17.37	276	394834	27.957	ng	95

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

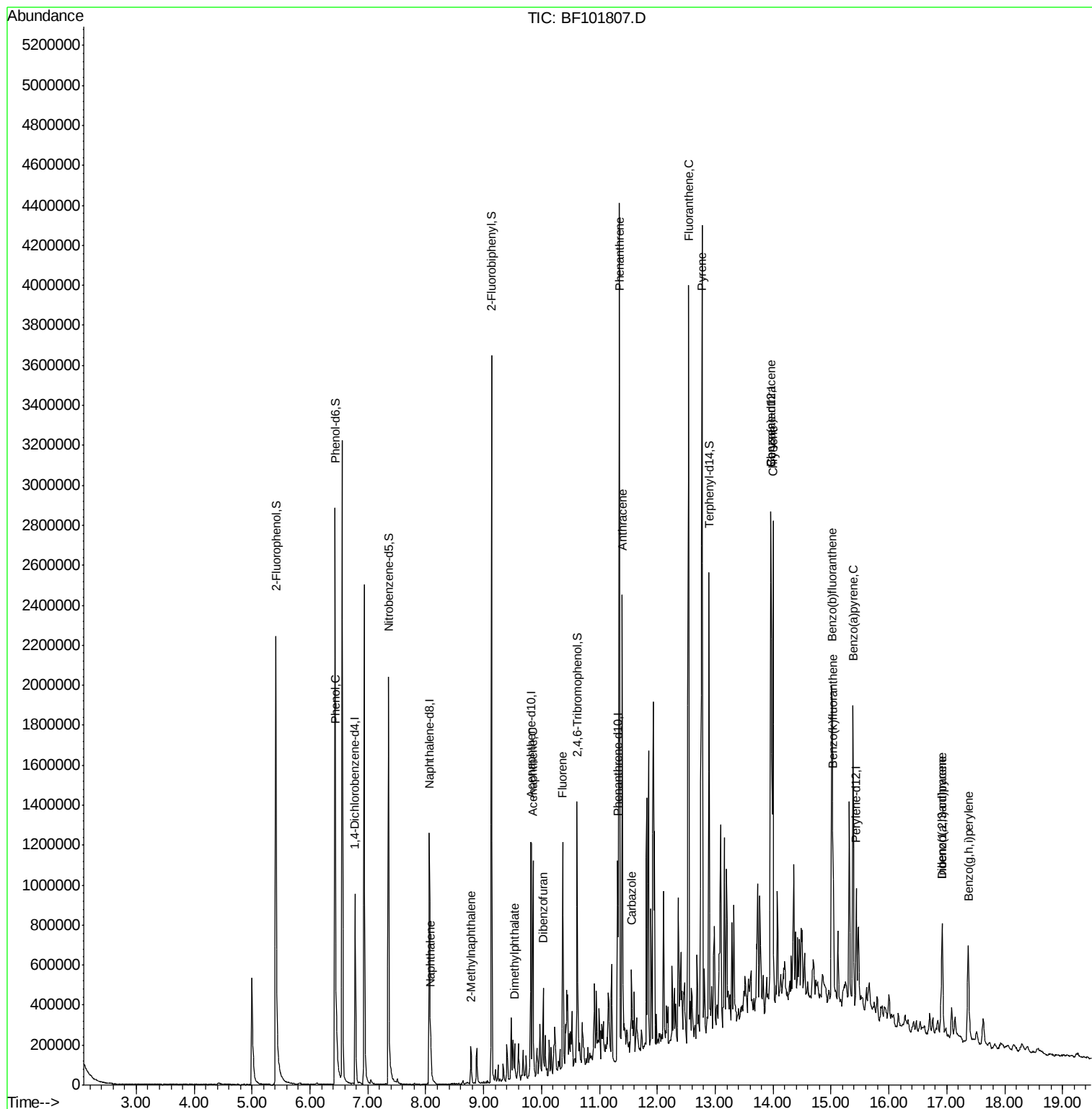
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
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#1

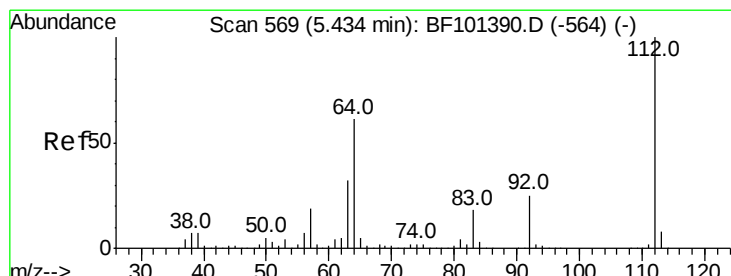
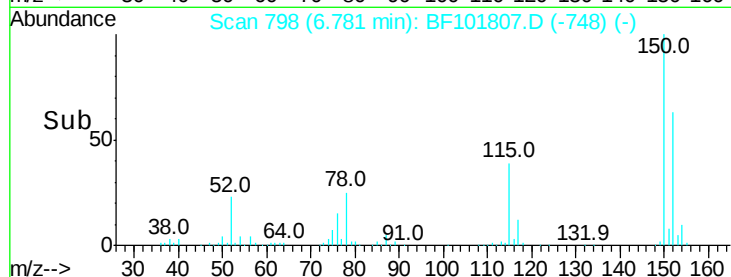
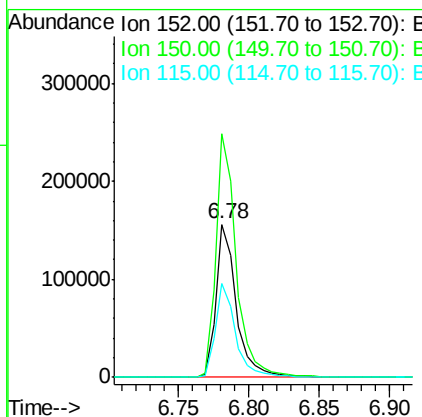
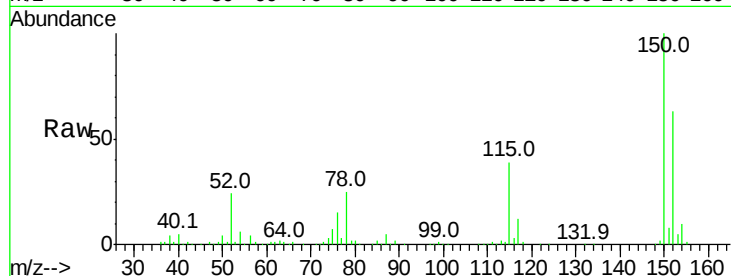
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Instrument :
BNA_F
ClientSampleId :
S2-5-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	61.5	50.1	75.1

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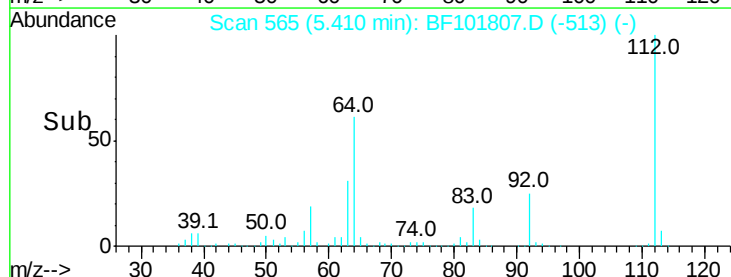
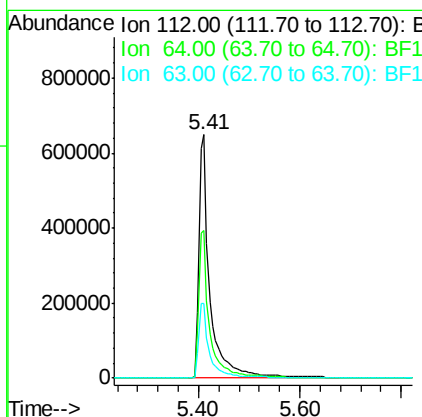
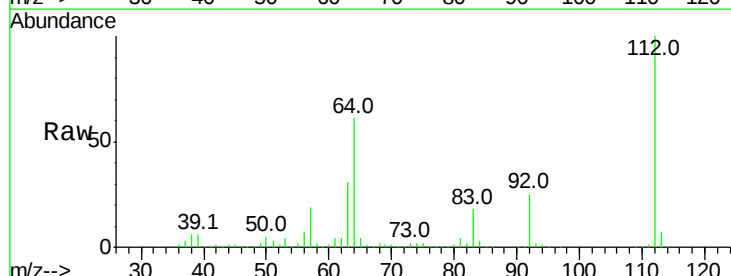
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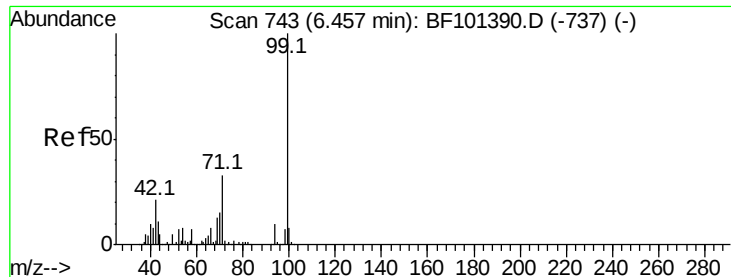


#5

2-Fluorophenol
Concen: 93.938 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.9	71.9
63	30.6	23.7	35.5





#7

Phenol-d6

Concen: 95.985 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101807.D

Acq: 28 Dec 2017 17:25

Instrument :

BNA_F

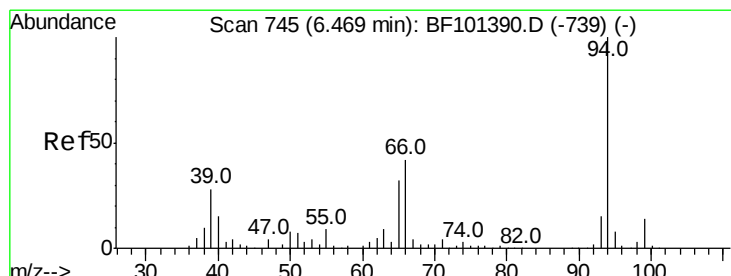
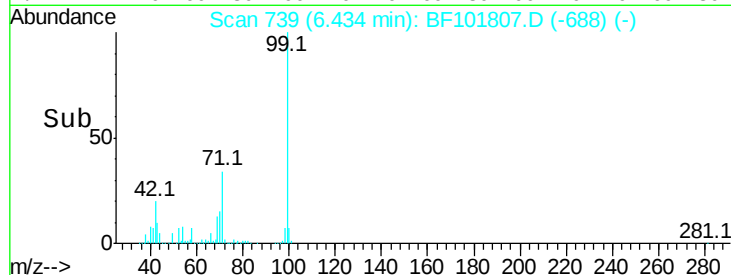
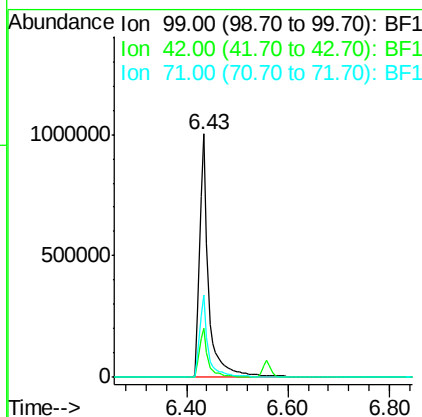
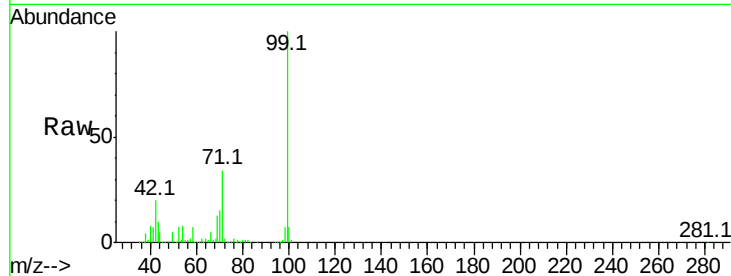
ClientSampleId :

S2-5-10

Tot Ion:	99	Resp:	1249911
Ion	Ratio	Lower	Upper
99	100		
42	20.2	14.5	21.7
71	33.6	25.4	38.0

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#10

Phenol

Concen: 3.456 ng

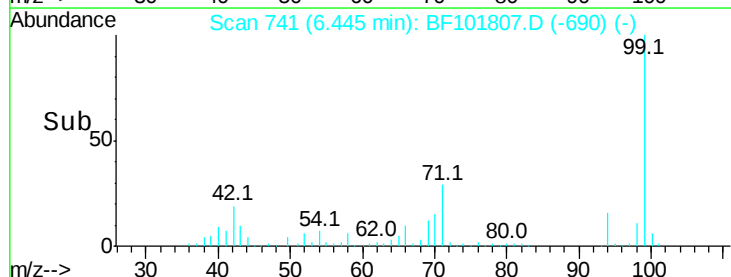
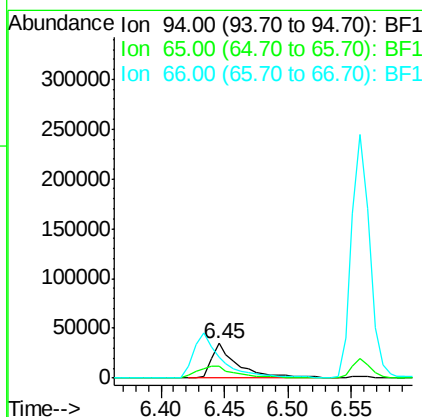
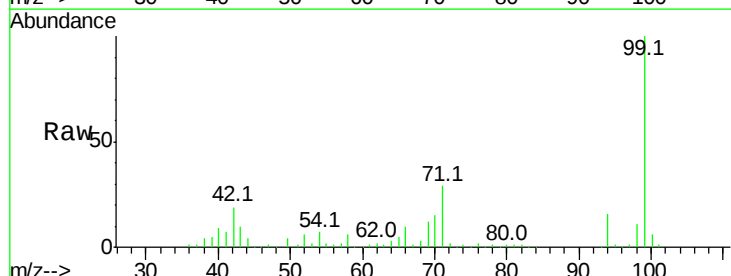
RT: 6.45 min Scan# 741

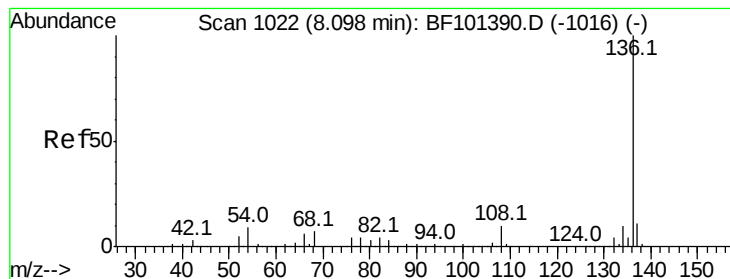
Delta R.T. 0.00 min

Lab File: BF101807.D

Acq: 28 Dec 2017 17:25

Tgt Ion:	94	Resp:	51297
Ion	Ratio	Lower	Upper
94	100		
65	33.8	7.9	47.9
66	61.4	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF101807.D

Acq: 28 Dec 2017 17:25

Instrument :

BNA_F

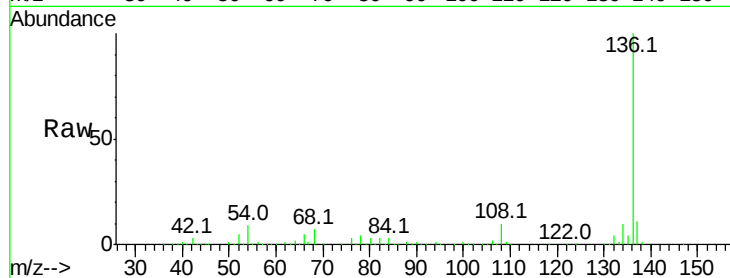
ClientSampleId :

S2-5-10

Tot Ion	Ratio	Resp	Lower	Upper
136	100	607625		
137	11.1	8.9	13.3	
54	9.5	6.6	9.8	
68	7.2	5.0	7.4	

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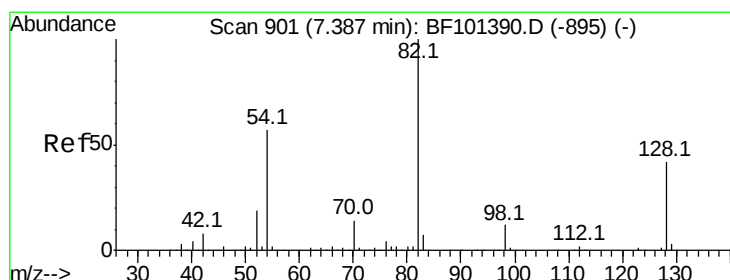
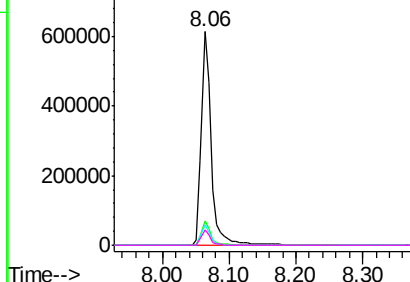
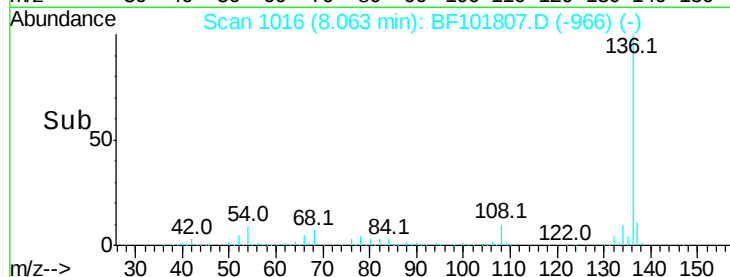


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 71.617 ng

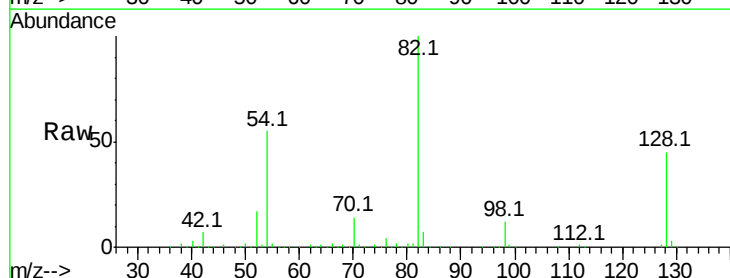
RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF101807.D

Acq: 28 Dec 2017 17:25

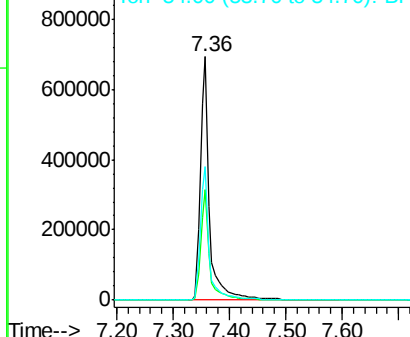
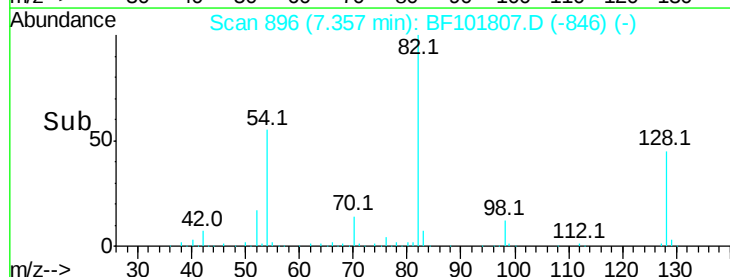
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	781745		
128	45.4	36.1	54.1	
54	54.7	41.4	62.2	

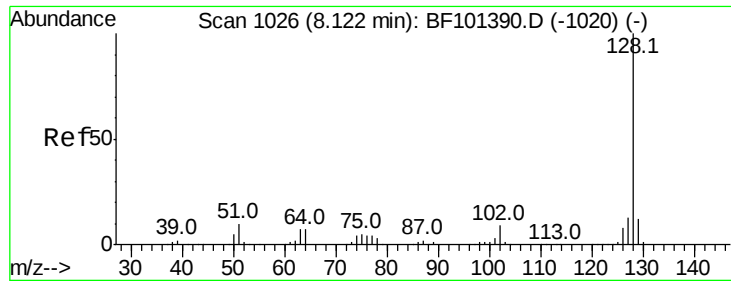


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





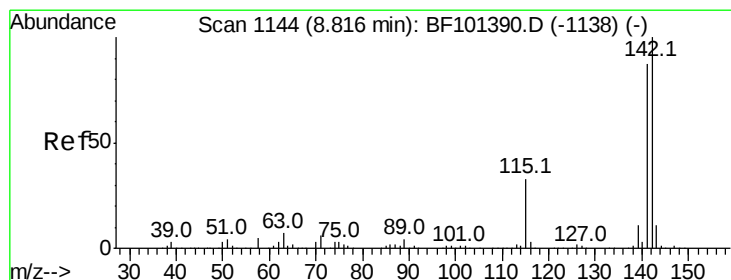
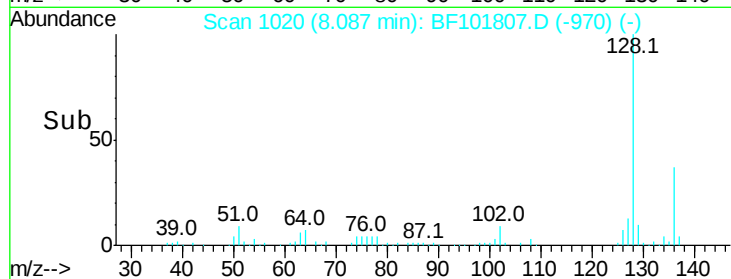
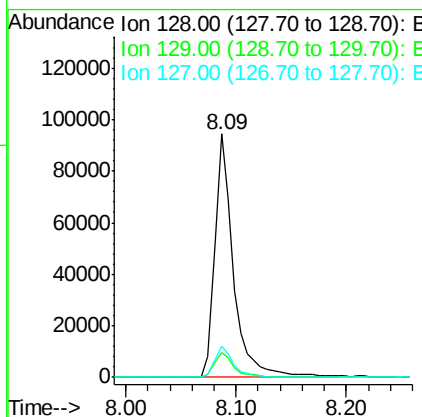
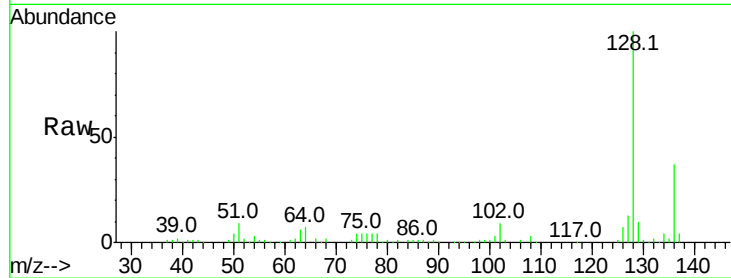
#31
Naphthalene
Concen: 3.597 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Instrument :
BNA_F
ClientSampleId :
S2-5-10

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	12.8	10.9	16.3

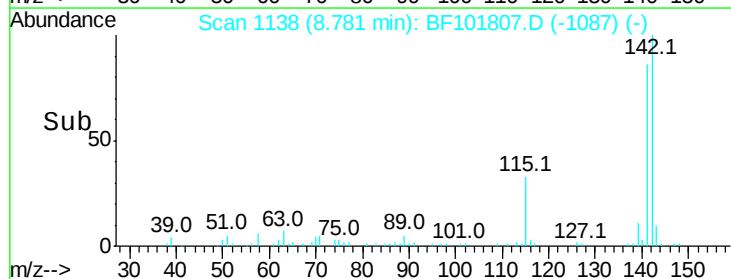
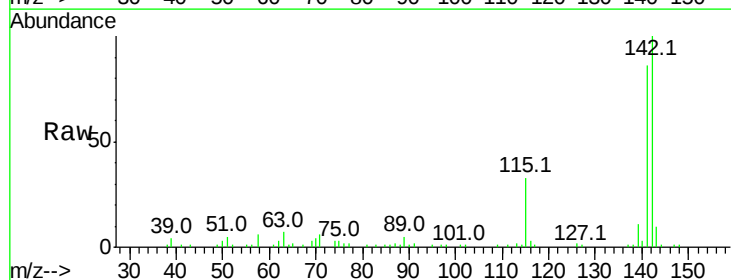
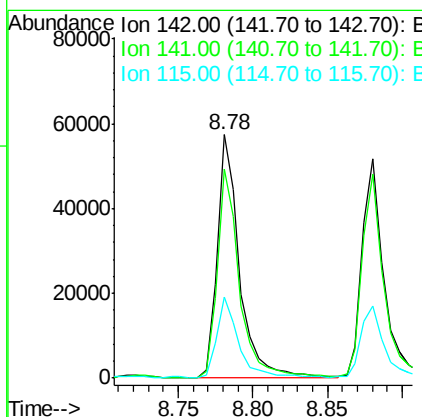
Manual Integrations
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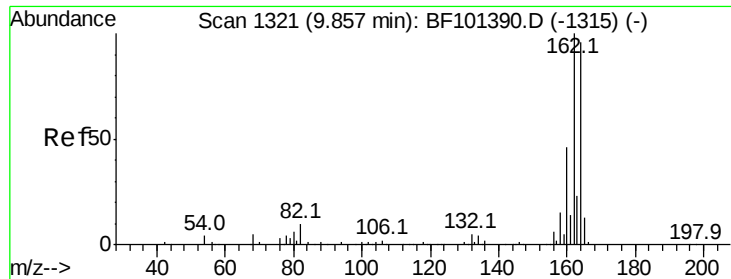
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#37
2-Methylnaphthalene
Concen: 3.019 ng
RT: 8.78 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.8	70.8	106.2
115	33.2	26.1	39.1





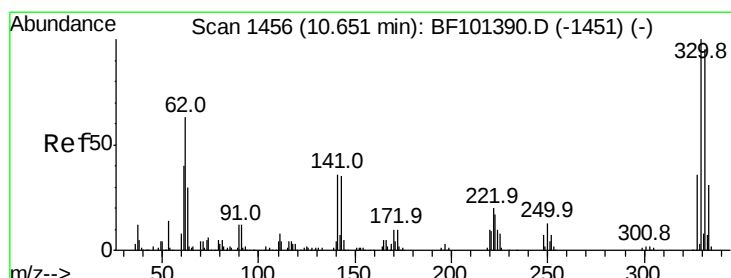
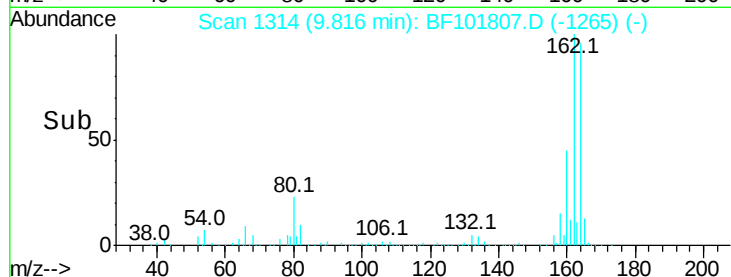
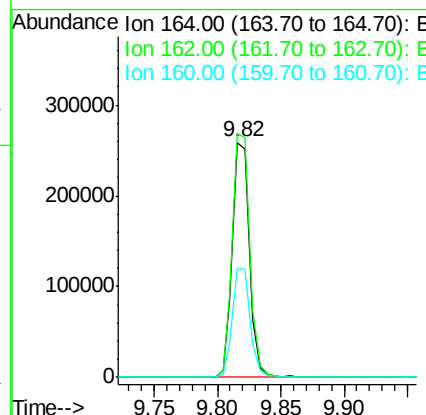
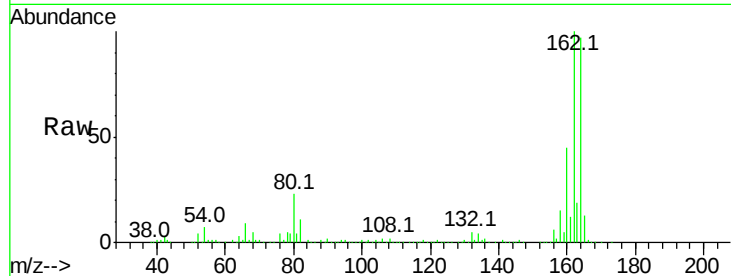
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Instrument :
BNA_F
ClientSampleId :
S2-5-10

Tot Ion	Ratio	Resp	Lower	Upper
164	100	243409		
162	103.6	86.1	129.1	
160	46.5	38.3	57.5	

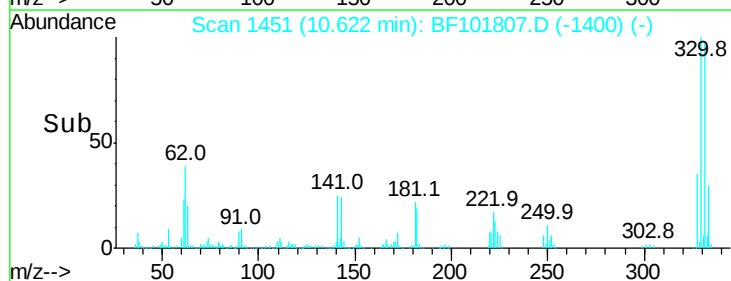
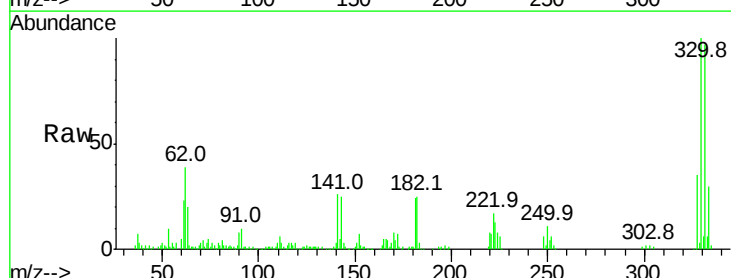
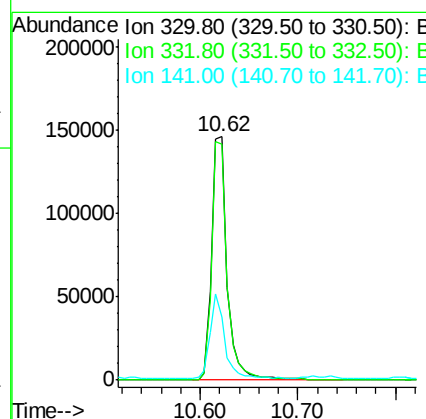
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#41
2,4,6-Tribromophenol
Concen: 69.087 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	162040		
332	97.3	77.0	115.6	
141	33.7	29.9	44.9	





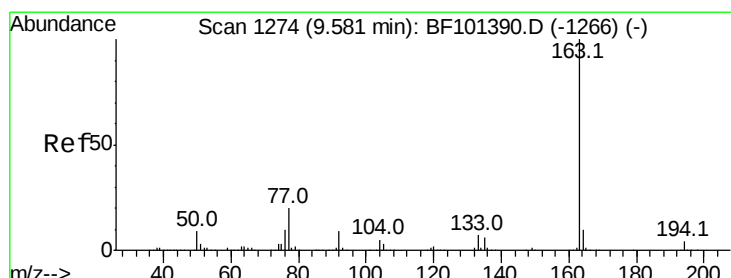
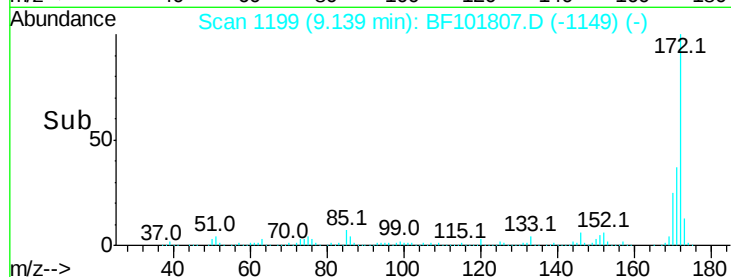
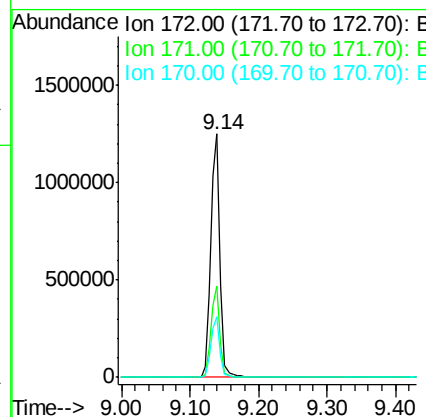
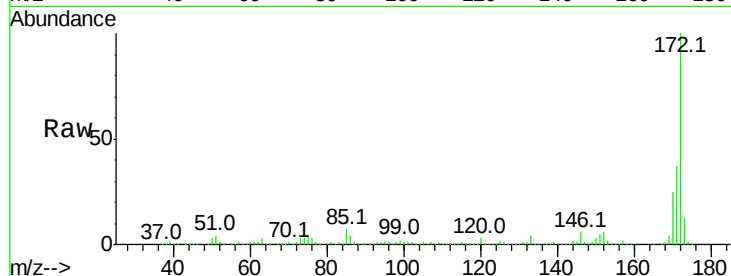
#44
2-Fluorobiphenyl
Concen: 75.915 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Instrument :
BNA_F
ClientSampleId :
S2-5-10

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.7	44.5
170	24.8	19.6	29.4

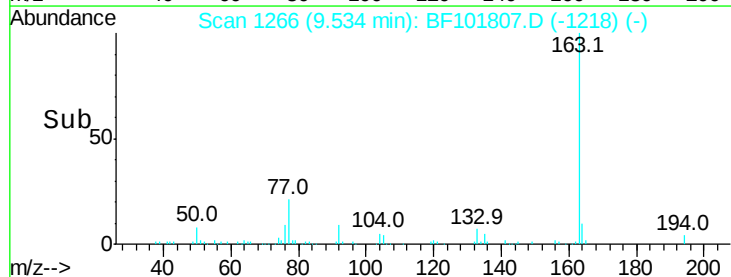
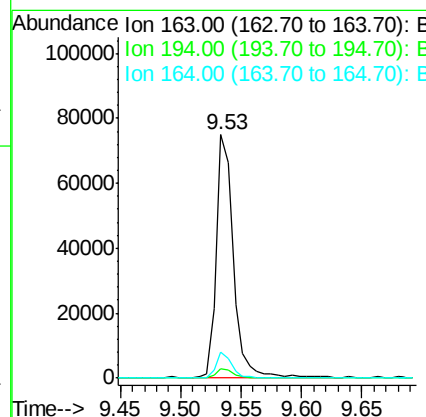
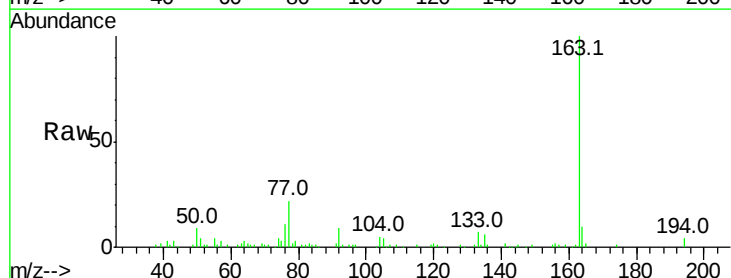
Manual Integrations
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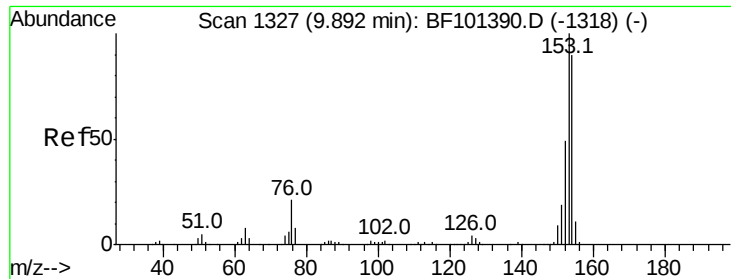
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#49
Dimethylphthalate
Concen: 3.744 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.5	8.2	12.2





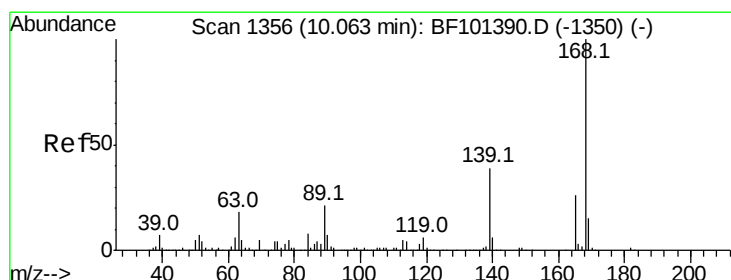
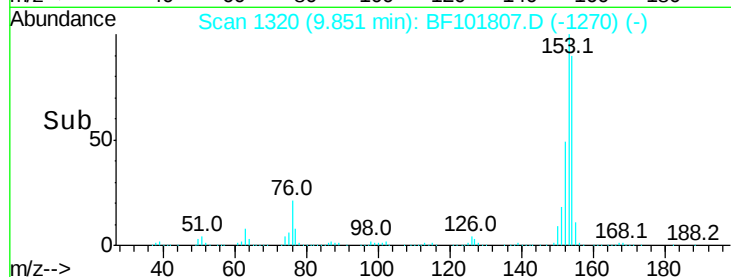
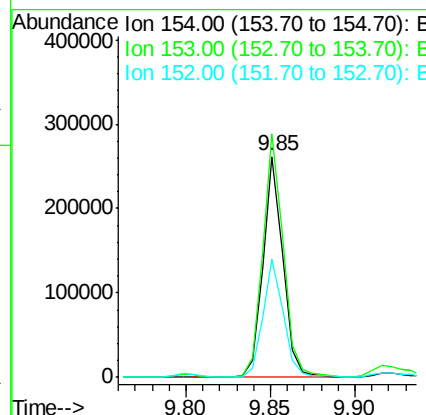
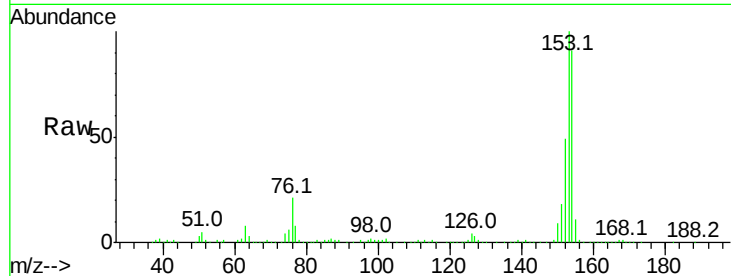
#51
Acenaphthene
Concen: 13.715 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Instrument :
BNA_F
ClientSampleId :
S2-5-10

Tot Ion	Ratio	Lower	Upper
154	100		
153	110.3	91.2	136.8
152	53.7	43.8	65.8

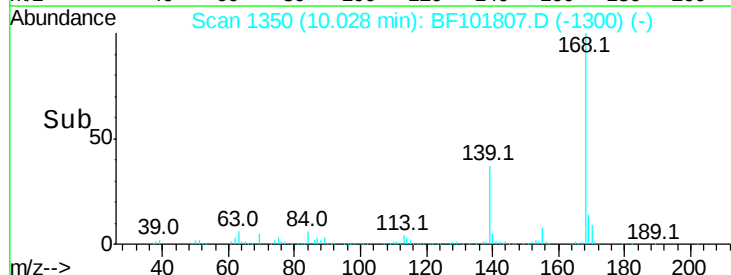
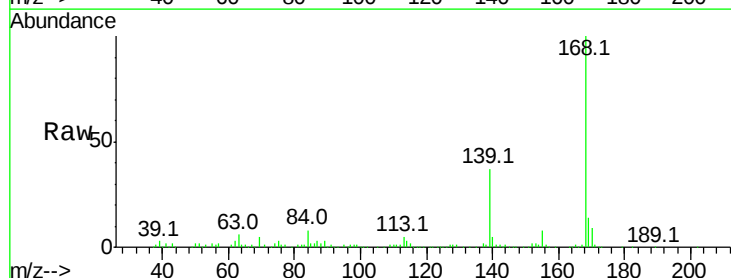
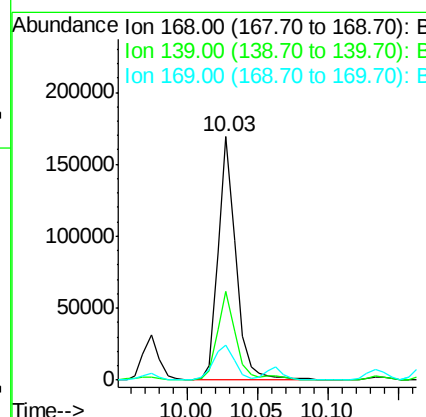
Manual Integrations
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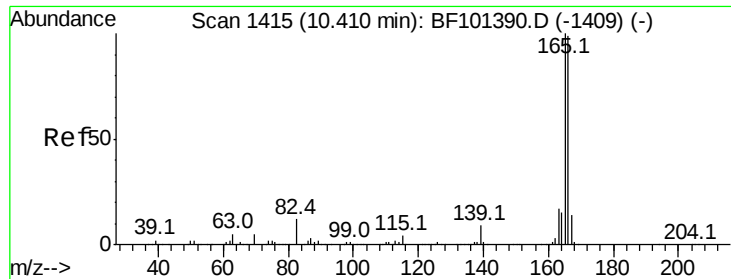
Sohil
12/29/2017 11:55:18 AM



#54
Dibenzofuran
Concen: 7.475 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.5	30.1	45.1
169	14.4	10.9	16.3





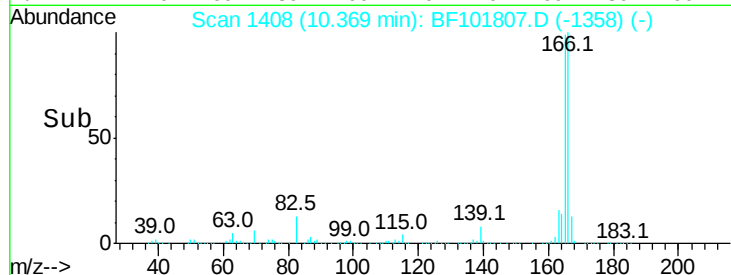
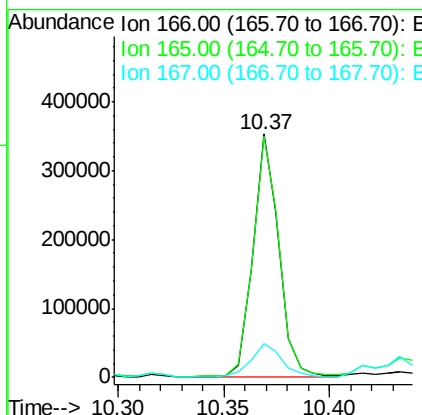
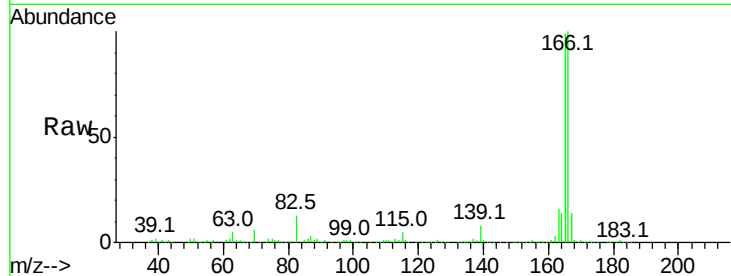
#57
Fluorene
 Concen: 17.667 ng
 RT: 10.37 min Scan# 1408
 Delta R.T. -0.01 min
 Lab File: BF101807.D
 Acq: 28 Dec 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 S2-5-10

Tot Ion:	166	Resp:	297692
Ion Ratio	Lower	Upper	
166	100		
165	98.8	79.8	119.8
167	13.8	10.6	16.0

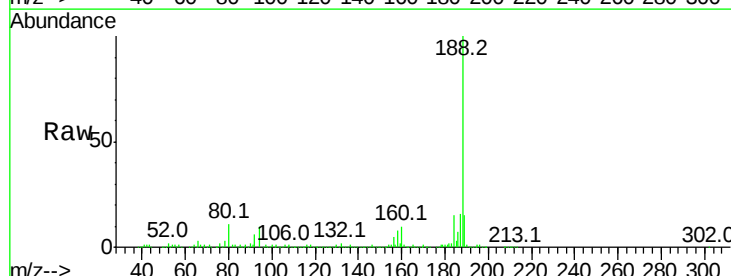
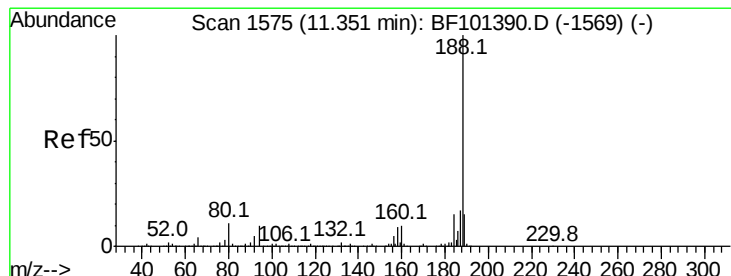
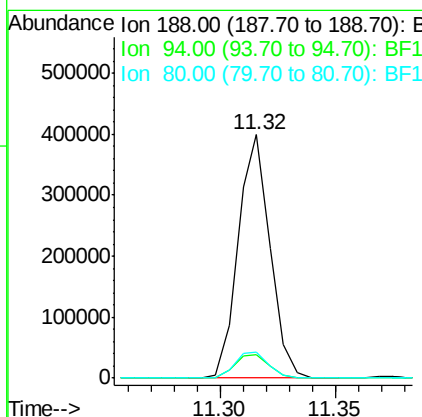
Manual Integrations
 APPROVED

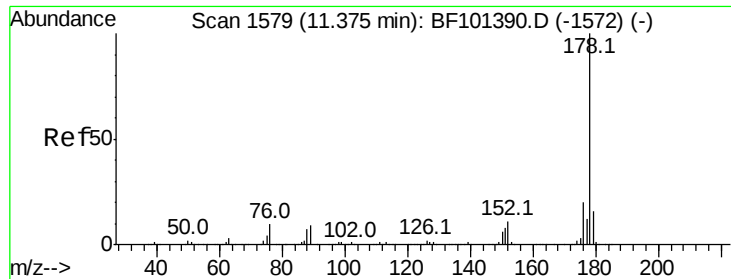
Sohil
 12/29/2017 11:55:18 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF101807.D
 Acq: 28 Dec 2017 17:25

Tgt Ion:	188	Resp:	381840
Ion Ratio	Lower	Upper	
188	100		
94	9.6	8.5	12.7
80	10.9	9.2	13.8





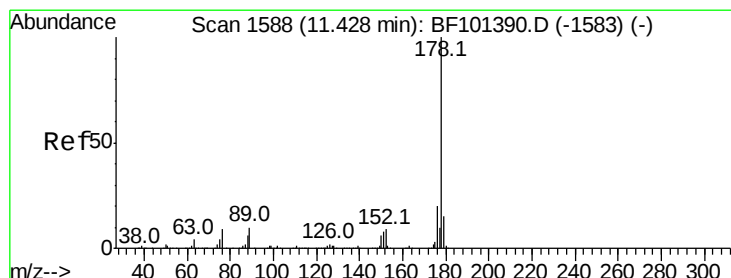
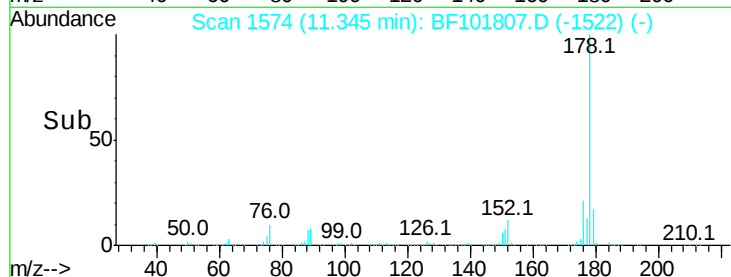
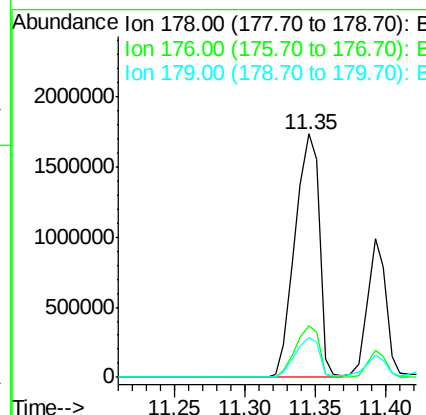
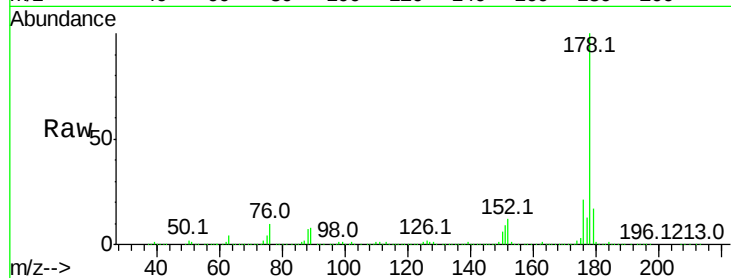
#70
Phenanthrene
Concen: 97.791 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Instrument :
BNA_F
ClientSampled :
S2-5-10

Tot Ion:178 Resp: 2076564
Ion Ratio Lower Upper
178 100
176 21.0 15.8 23.8
179 16.7 13.0 19.6

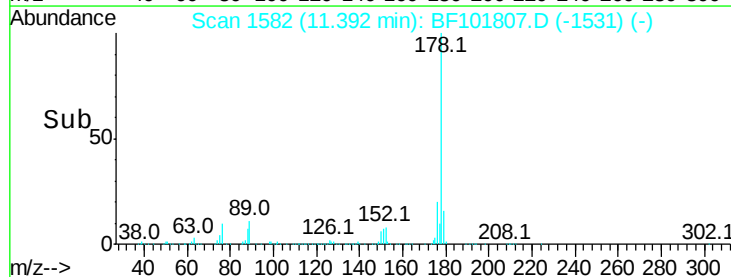
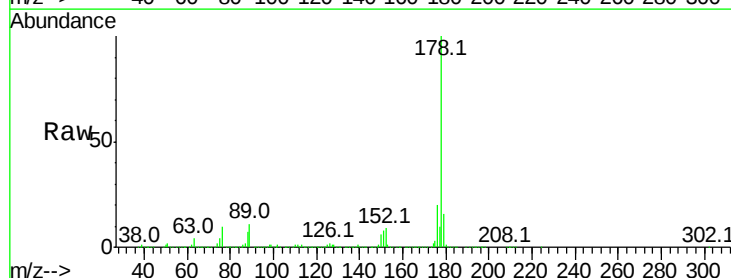
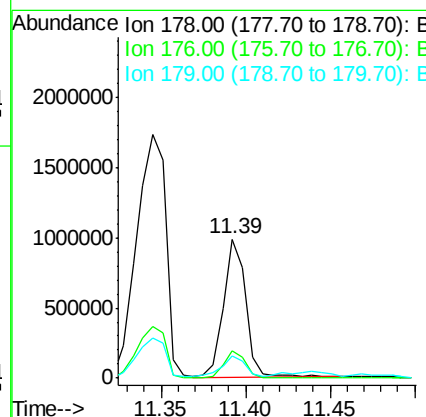
Manual Integrations
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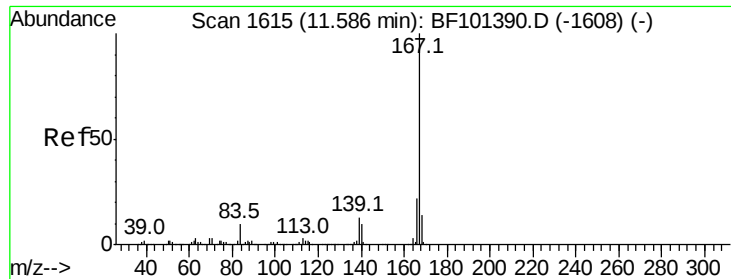
Sohil
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#71
Anthracene
Concen: 42.178 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Tgt Ion:178 Resp: 914861
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.2
179 16.0 12.6 19.0





#72

Carbazole

Concen: 6.584 ng

RT: 11.56 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BF101807.D

Acq: 28 Dec 2017 17:25

Instrument :

BNA_F

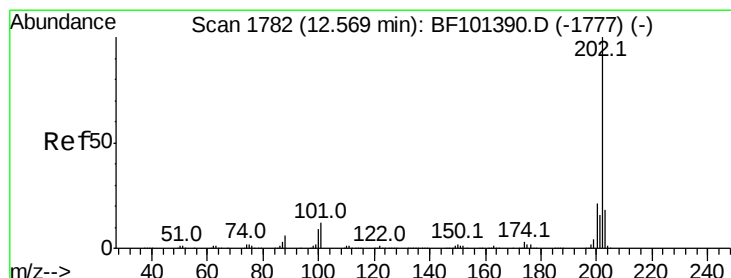
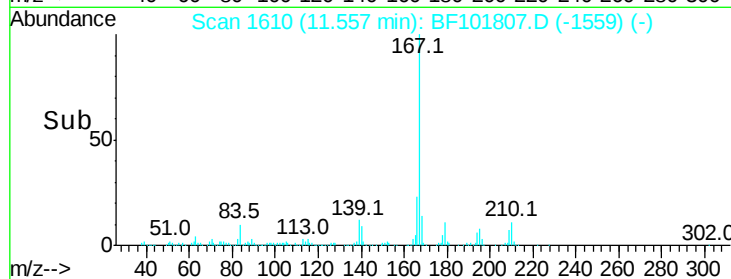
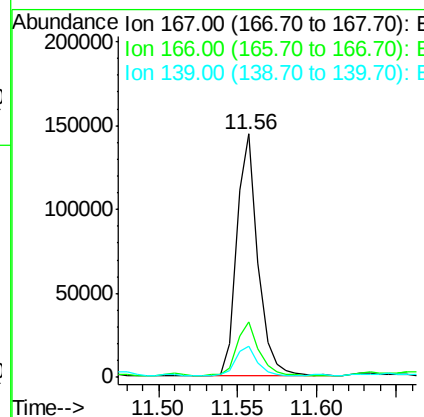
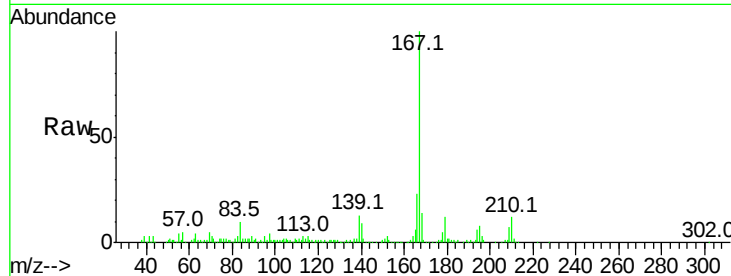
ClientSampleId :

S2-5-10

Tot Ion:	167	Resp:	133714
Ion Ratio	Lower	Upper	
167	100		
166	22.9	17.6	26.4
139	12.7	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 89.187 ng

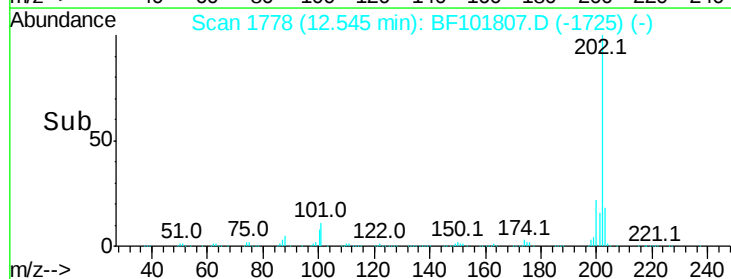
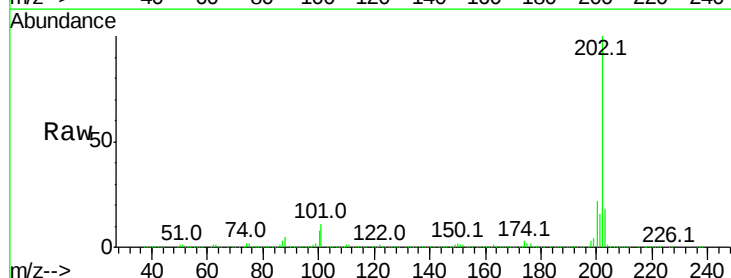
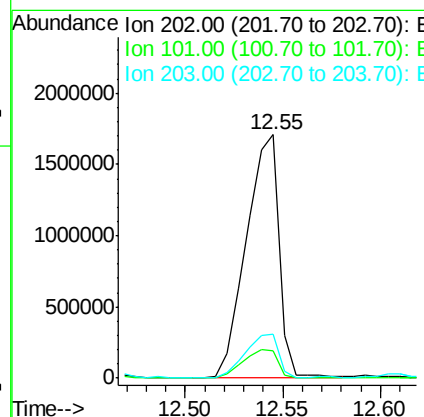
RT: 12.55 min Scan# 1778

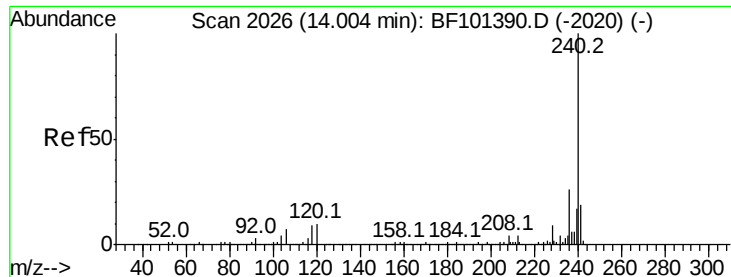
Delta R.T. 0.01 min

Lab File: BF101807.D

Acq: 28 Dec 2017 17:25

Tgt Ion:	202	Resp:	1987863
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BF101807.D

Acq: 28 Dec 2017 17:25

Instrument :

BNA_F

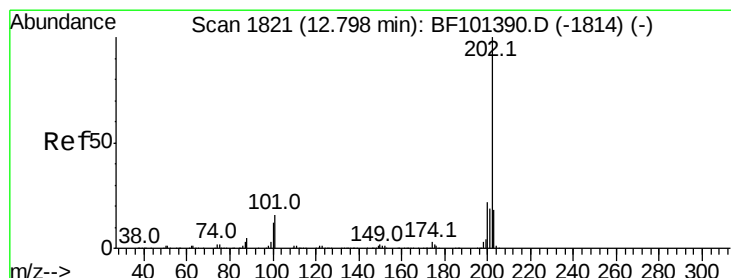
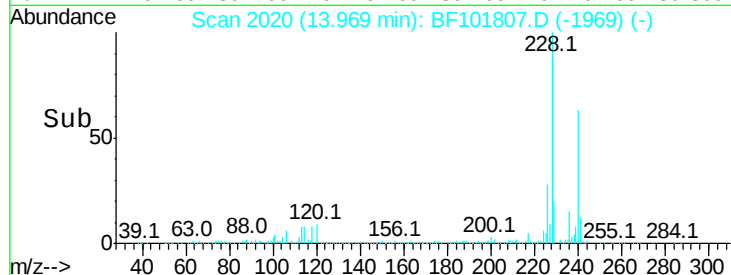
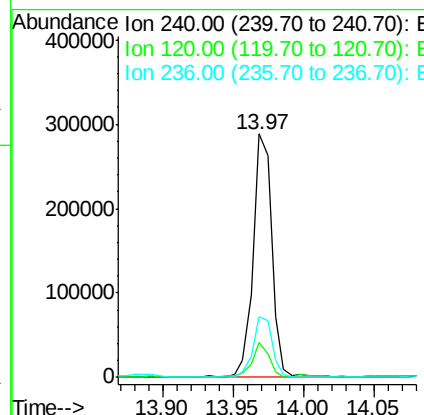
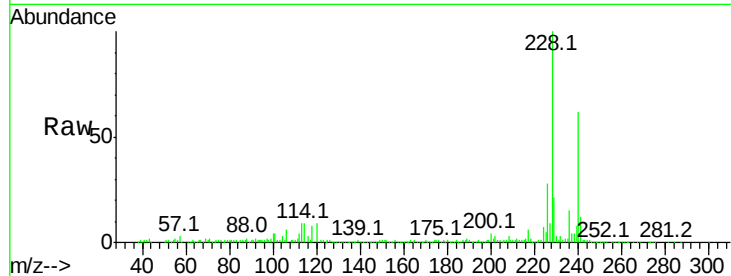
ClientSampled :

S2-5-10

Tot Ion:	240	Resp:	268835
Ion Ratio	Lower	Upper	
240	100		
120	14.2	9.5	14.3
236	24.8	20.7	31.1

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#77

Pyrene

Concen: 108.537 ng

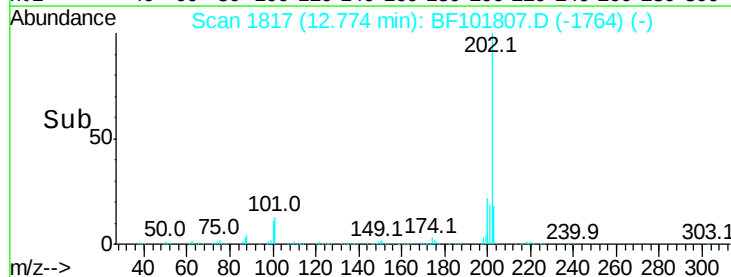
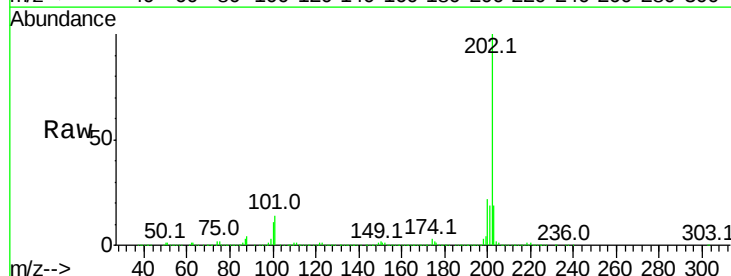
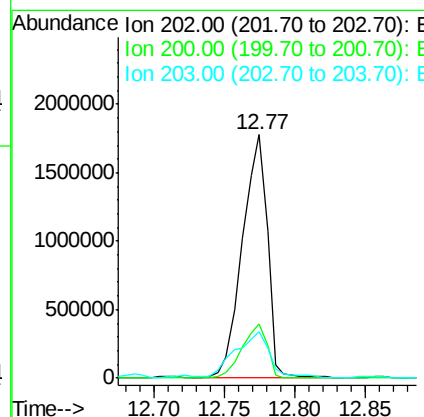
RT: 12.77 min Scan# 1817

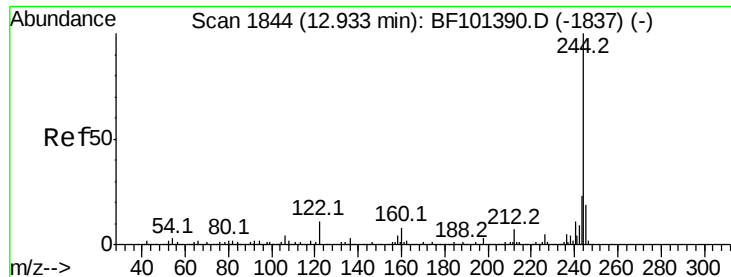
Delta R.T. 0.01 min

Lab File: BF101807.D

Acq: 28 Dec 2017 17:25

Tgt Ion:	202	Resp:	2189849
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.4	26.2
203	19.0	14.3	21.5





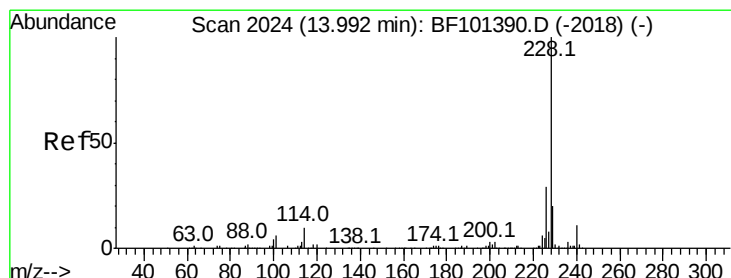
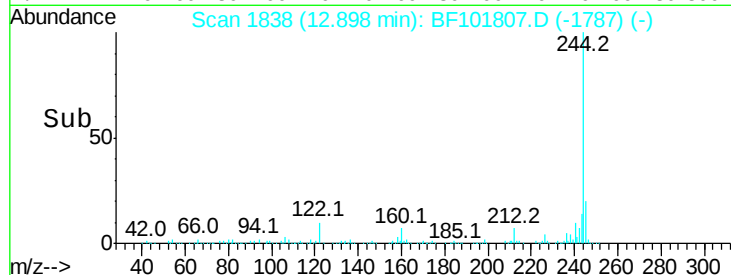
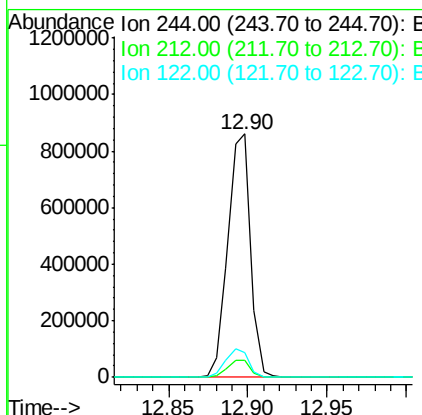
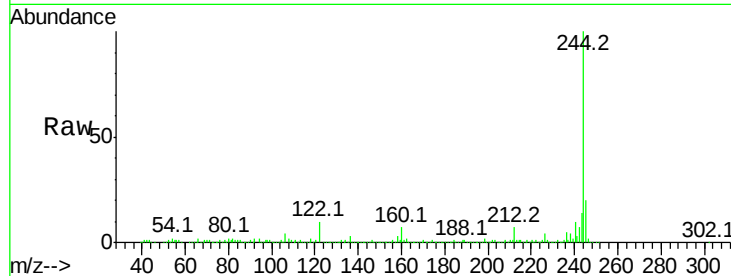
#78
 Terphenyl-d14
 Concen: 76.300 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF101807.D
 Acq: 28 Dec 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 S2-5-10

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.4	11.0	16.4#

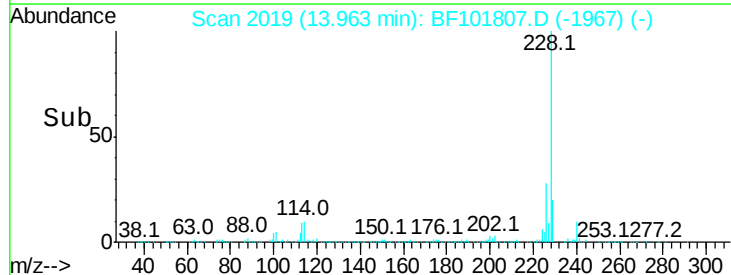
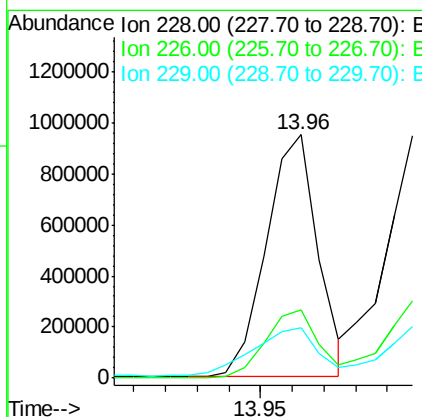
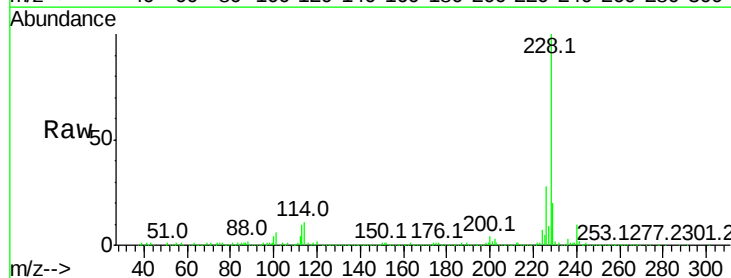
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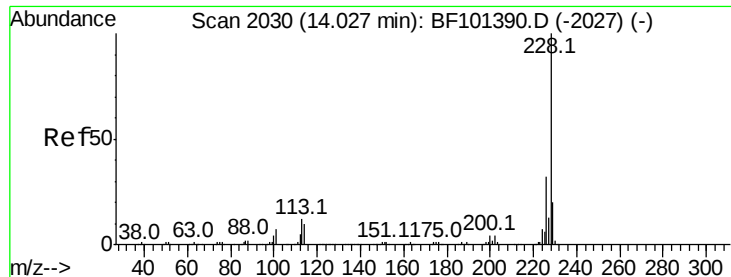
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#80
 Benzo(a)anthracene
 Concen: 60.380 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF101807.D
 Acq: 28 Dec 2017 17:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.5	15.8	23.6





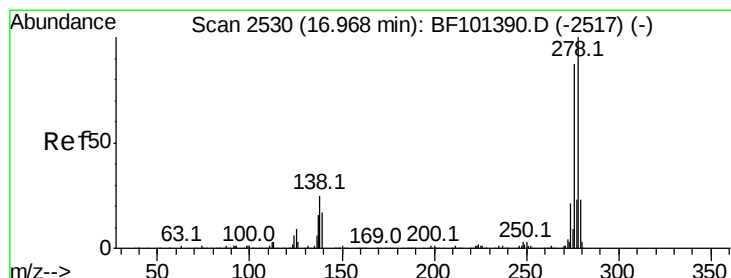
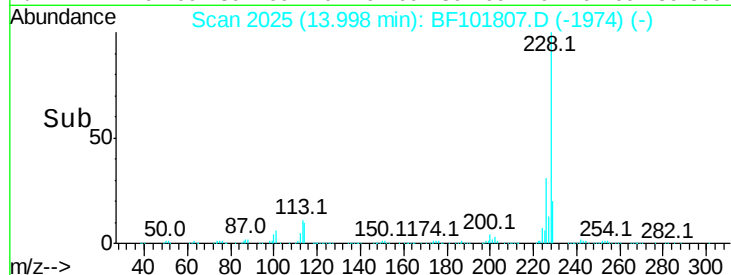
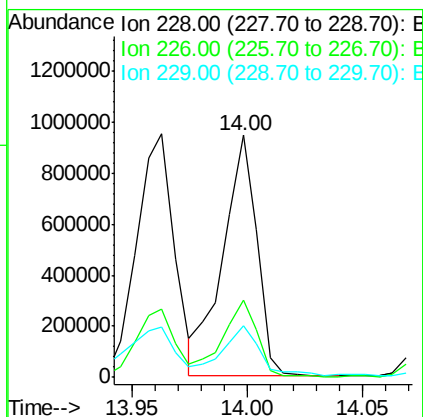
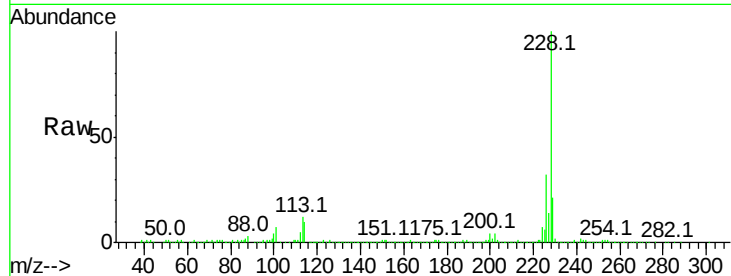
#82
Chrysene
Concen: 57.944 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Instrument :
BNA_F
ClientSampleId :
S2-5-10

Tot Ion:	228	Resp:	971191
Ion Ratio	Lower	Upper	
228	100		
226	31.8	25.0	37.6
229	21.5	16.2	24.4

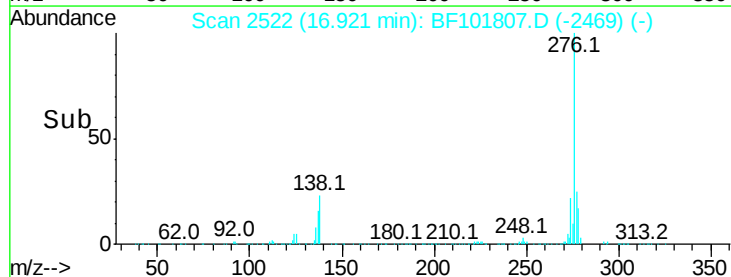
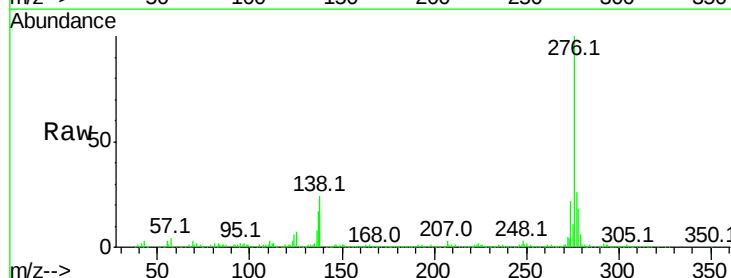
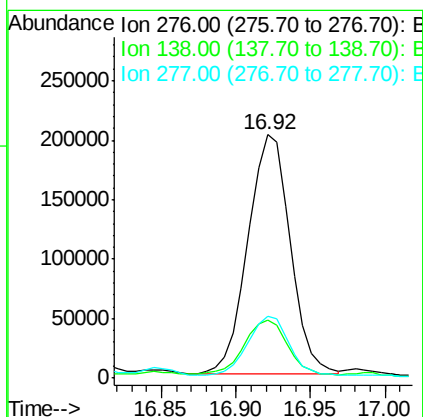
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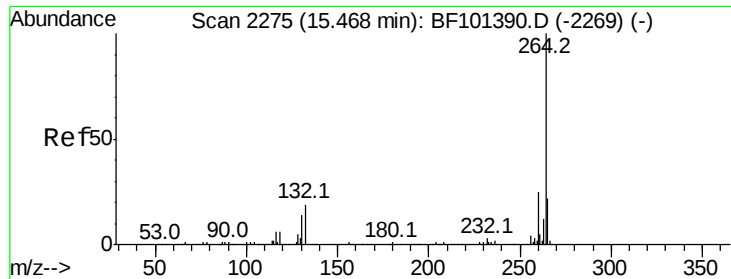
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 26.612 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Tgt Ion:	276	Resp:	397202
Ion Ratio	Lower	Upper	
276	100		
138	24.7	25.0	37.6#
277	23.6	20.1	30.1





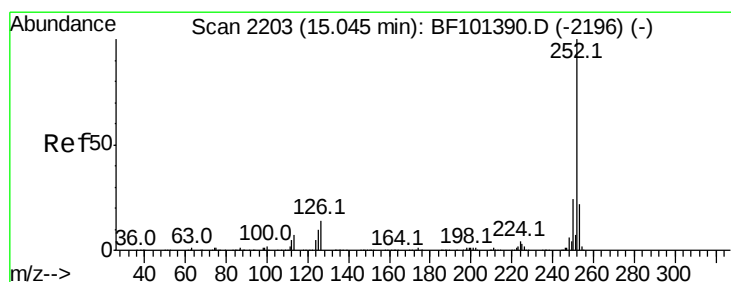
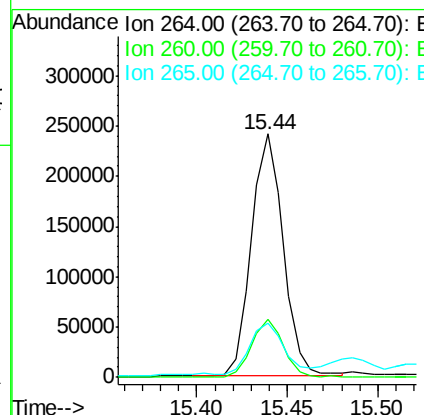
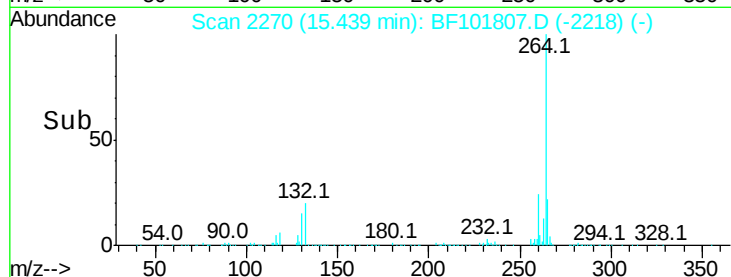
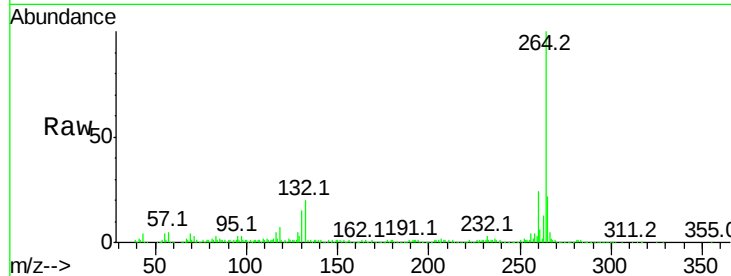
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Instrument :
BNA_F
ClientSampleId :
S2-5-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.1	17.5	26.3

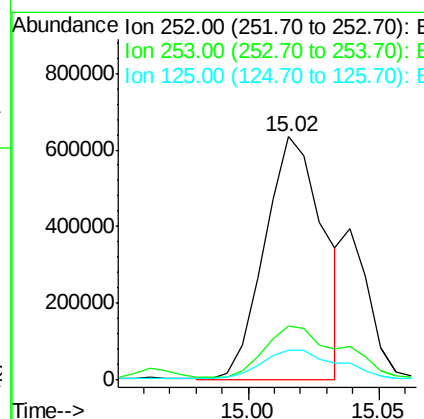
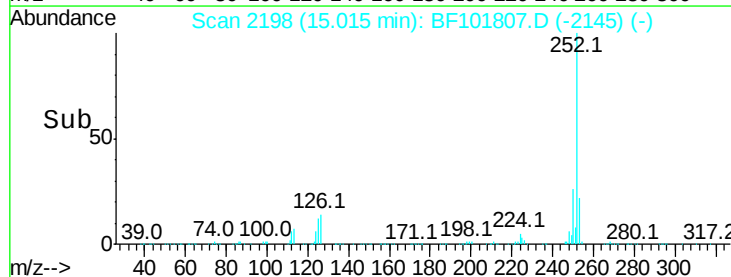
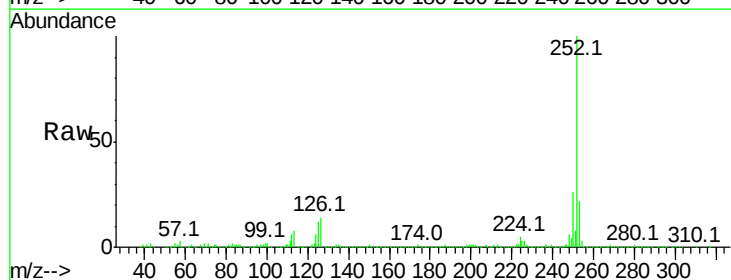
Manual Integrations
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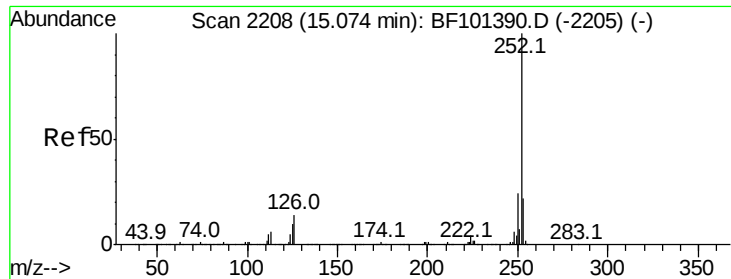
Sohil
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#87
Benzo(b)fluoranthene
Concen: 55.398 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	12.3	9.0	13.6





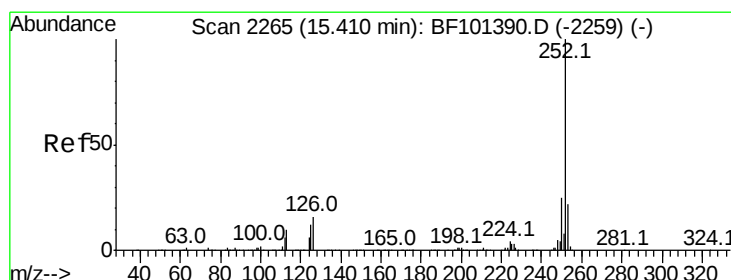
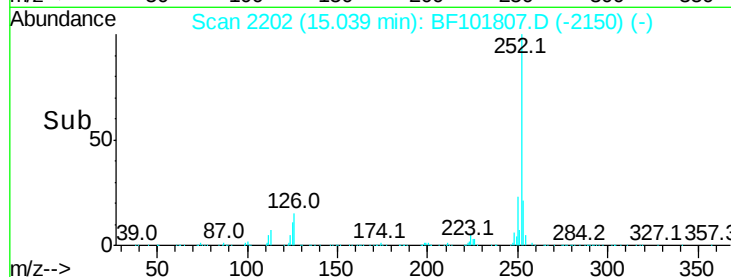
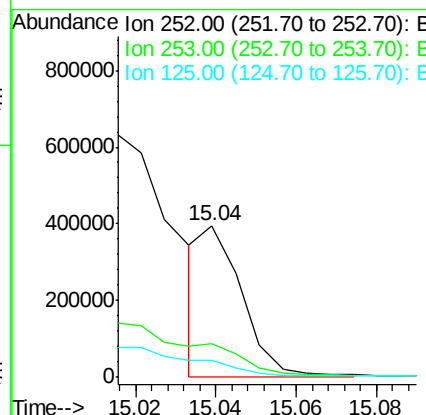
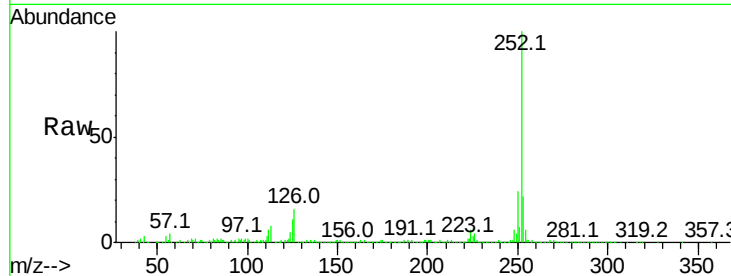
#88
Benzo(k)fluoranthene
Concen: 16.066 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Instrument :
BNA_F
ClientSampleId :
S2-5-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	11.5	10.2	15.2

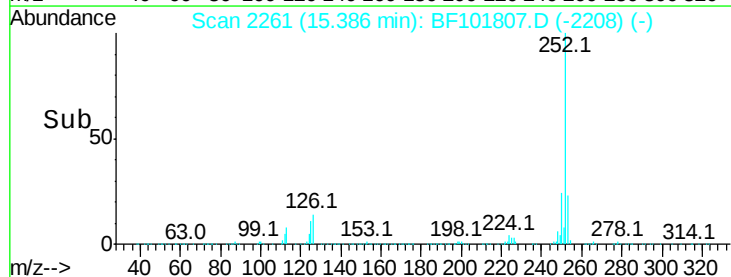
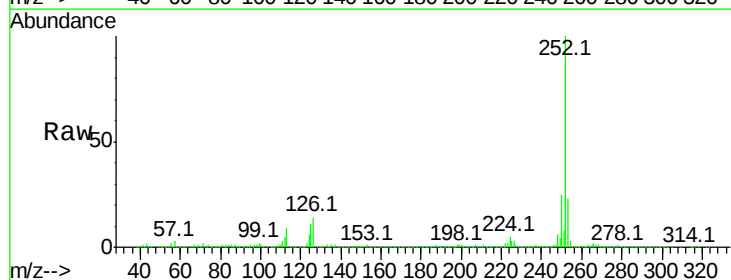
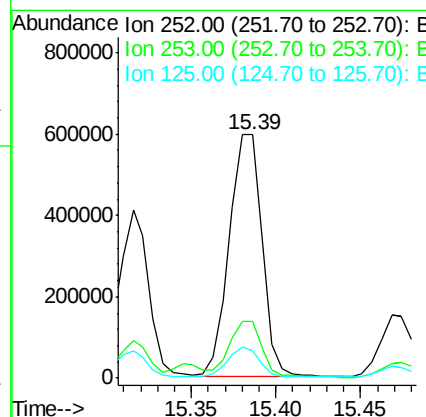
Manual Integrations
APPROVED

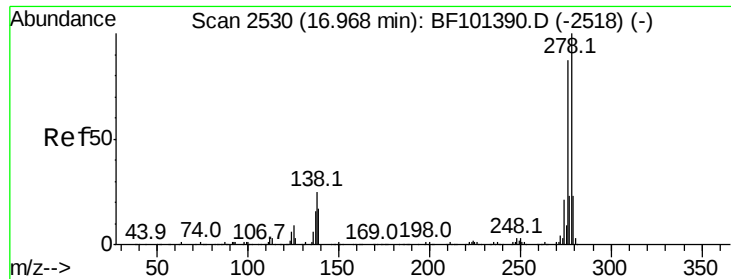
Sohil
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#89
Benzo(a)pyrene
Concen: 48.812 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	11.3	9.8	14.6





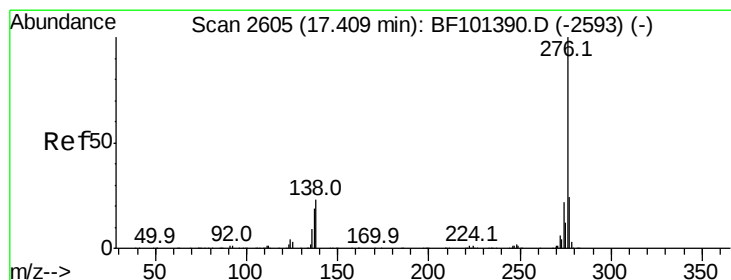
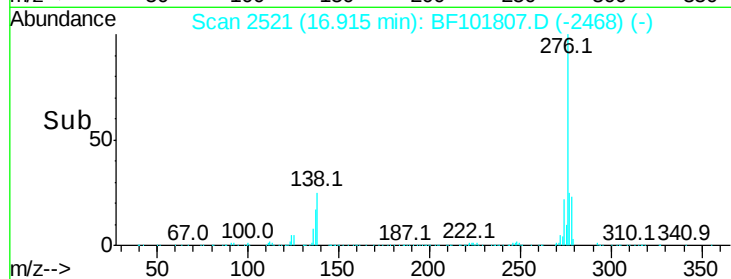
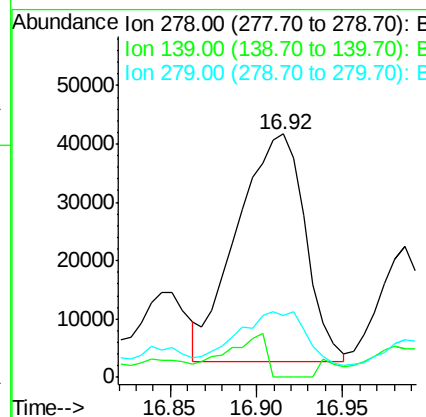
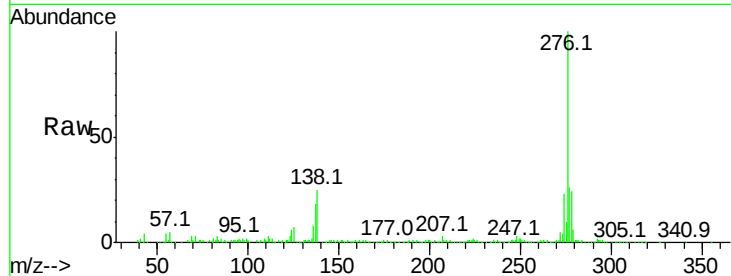
#90
Dibenzo(a,h)anthracene
Concen: 7.461 ng/mL
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Instrument :
BNA_F
ClientSampled :
S2-5-10

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	25.4	19.0	28.4

Manual Integrations
APPROVED

Sohil
12/29/2017 11:55:18 AM



#91
Benzo(g,h,i)perylene
Concen: 27.957 ng/mL
RT: 17.37 min Scan# 2598
Delta R.T. 0.02 min
Lab File: BF101807.D
Acq: 28 Dec 2017 17:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	24.7	21.8	32.8

