

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113822.D
 Acq On : 18 Apr 2019 17:36
 Operator : JU/SJ
 Sample : K2203-11 4X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-041519-B

Manual Integrations
 APPROVED

Sohil
 4/23/2019 8:16:44 AM

Quant Time: Apr 18 18:03:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	190380	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	697931	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	324824	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	563527	20.00	ng	0.00
76) Chrysene-d12	14.04	240	533201	20.00	ng	0.00
87) Perylene-d12	15.51	264	628432	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	292084	25.51	ng	0.00
7) Phenol-d6	6.50	99	369207	25.86	ng	-0.01
23) Nitrobenzene-d5	7.45	82	204303	17.83	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	79465	22.14	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	389950	18.31	ng	0.00
79) Terphenyl-d14	12.99	244	389509	15.32	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	8.19	128	124709	3.778	ng	98
37) 2-Methylnaphthalene	8.89	142	65044	2.970	ng	99
38) 1-Methylnaphthalene	8.99	142	66669	3.137	ng	99
50) Dimethylphthalate	9.64	163	47911	2.108	ng	98
52) Acenaphthene	9.96	154	76161	4.126	ng	94
55) Dibenzofuran	10.13	168	73667	2.664	ng	# 96
58) Fluorene	10.47	166	131606	6.380	ng	97
71) Phenanthrene	11.43	178	778472	27.124	ng	100
72) Anthracene	11.48	178	217835	7.532	ng	99
73) Carbazole	11.63	167	56637	2.157	ng	98
75) Fluoranthene	12.62	202	640365	21.053	ng	96
78) Pyrene	12.85	202	624856	16.628	ng	99
81) Benzo(a)anthracene	14.03	228	258179	8.283	ng	97
83) Chrysene	14.07	228	241549	7.808	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	102936	4.076	ng	95
88) Benzo(b)fluoranthene	15.08	252	278899m	7.119	ng	
89) Benzo(k)fluoranthene	15.10	252	86859m	2.434	ng	
90) Benzo(a)pyrene	15.44	252	226738	6.545	ng	99
92) Benzo(a,h,i)perylene	17.42	276	94171	3.006	ng	98

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

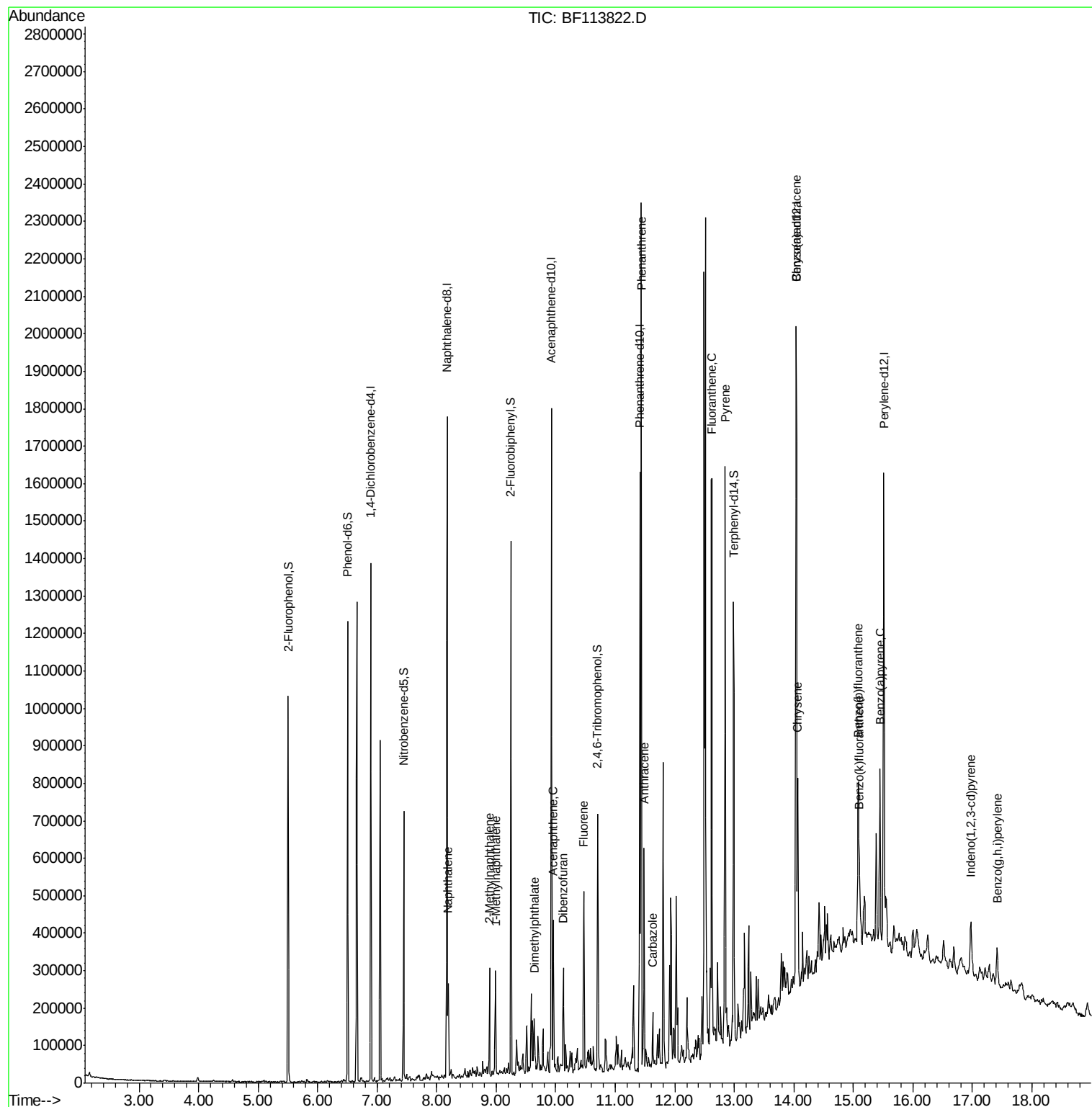
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113822.D
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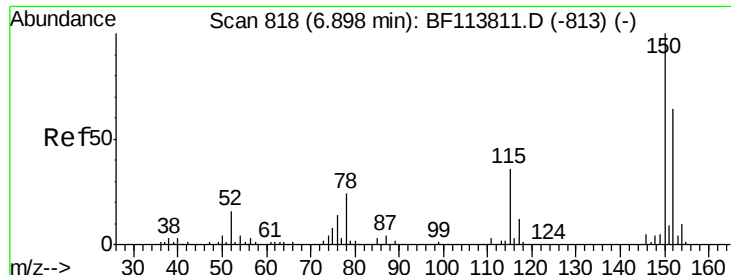
Instrument :
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SU-01-041519-B

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#1

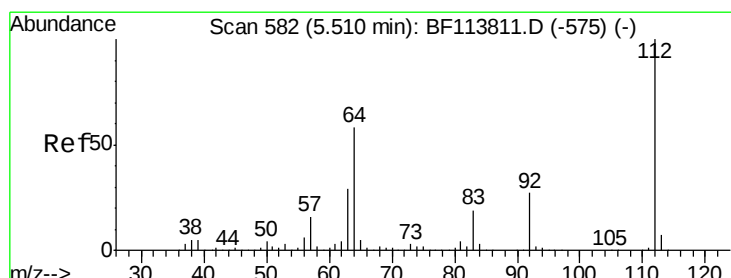
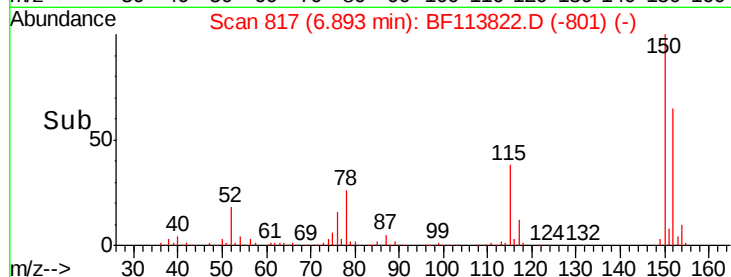
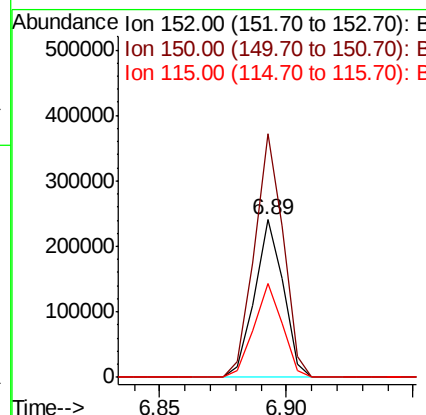
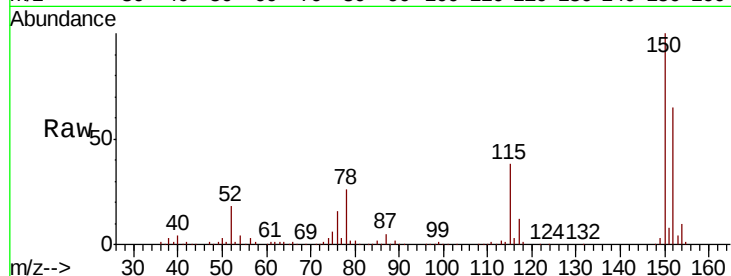
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

Instrument :
BNA_F
ClientSampleId :
SU-01-041519-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	125.9	188.9
115	59.4	45.9	68.9

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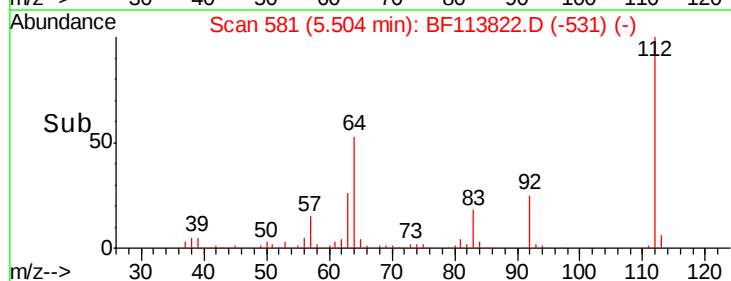
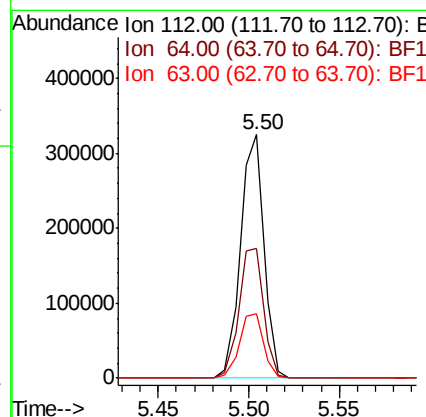
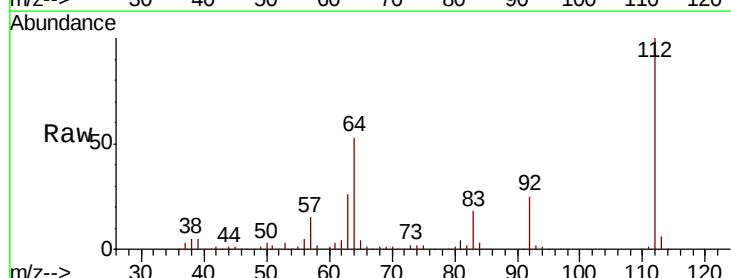
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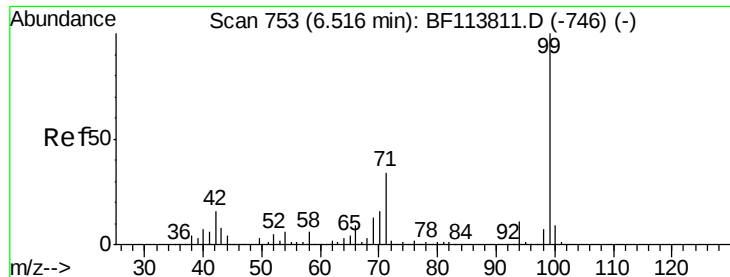


#5

2-Fluorophenol
Concen: 25.511 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	46.6	69.8
63	26.3	23.1	34.7





#7

Phenol-d6

Concen: 25.858 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF113822.D

Acq: 18 Apr 2019 17:36

Instrument :

BNA_F

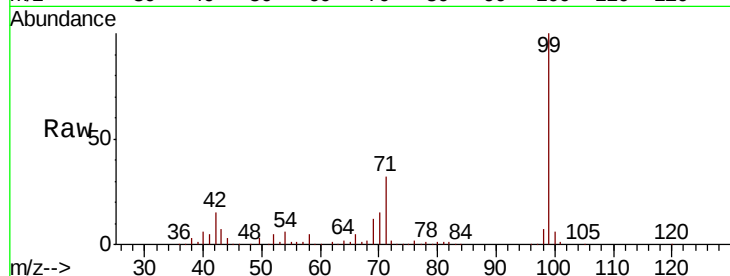
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SU-01-041519-B

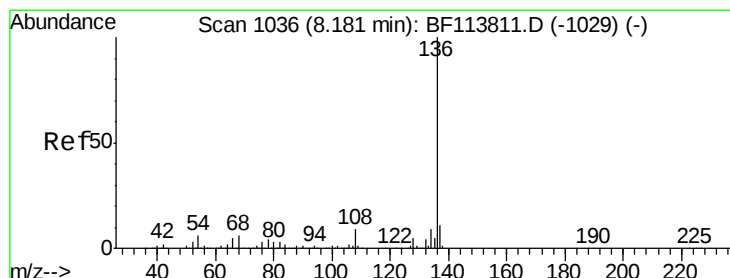
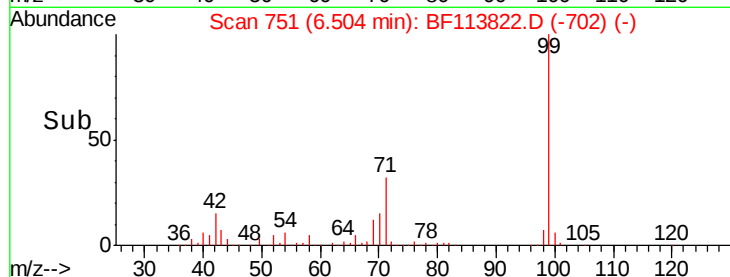
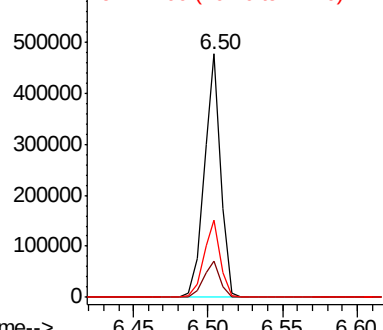
Tot Ion:	99	Resp:	369207
Ion Ratio	Lower	Upper	
99	100		
42	14.7	12.5	18.7
71	31.7	26.9	40.3

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

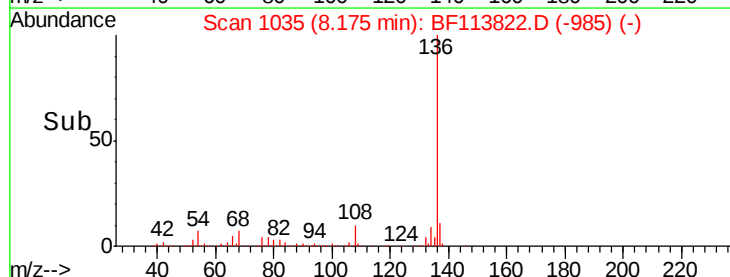
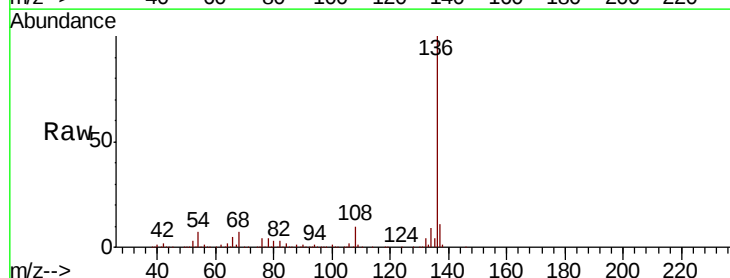
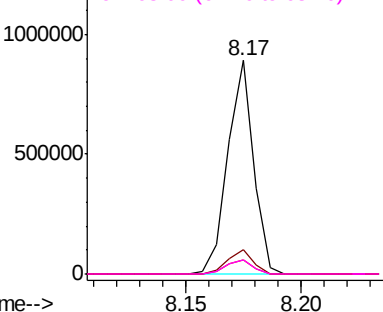
Delta R.T. -0.01 min

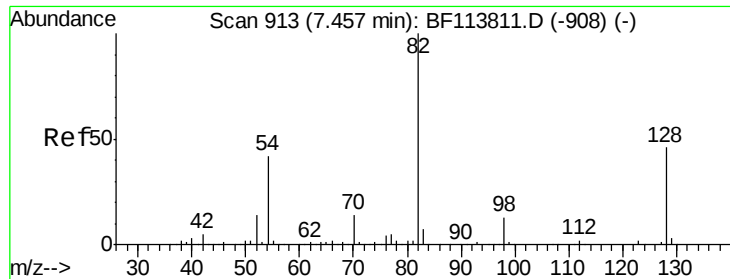
Lab File: BF113822.D

Acq: 18 Apr 2019 17:36

Tgt Ion:	136	Resp:	697931
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	12.8
54	6.6	5.0	7.6
68	6.6	4.9	7.3

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





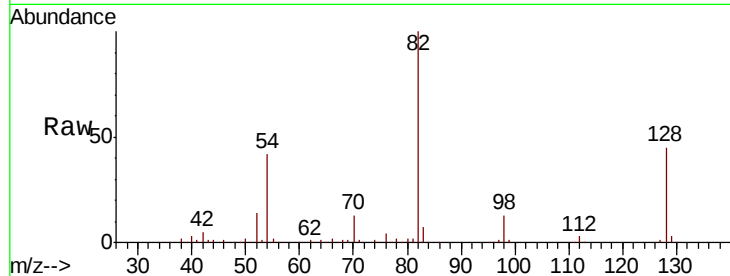
#23
Nitrobenzene-d5
Concen: 17.826 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

Instrument :
BNA_F
ClientSampleId :
SU-01-041519-B

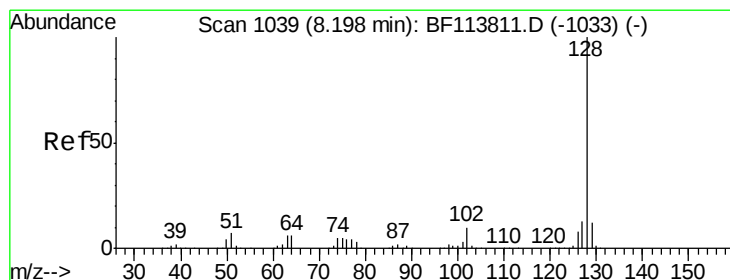
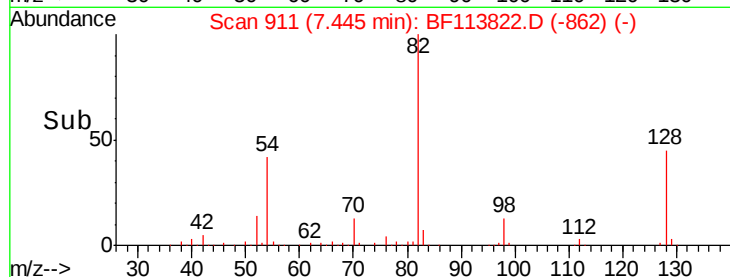
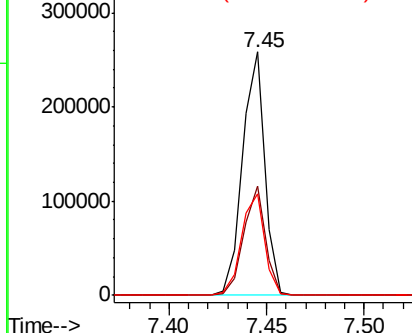
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.8	55.2
54	41.9	33.8	50.6

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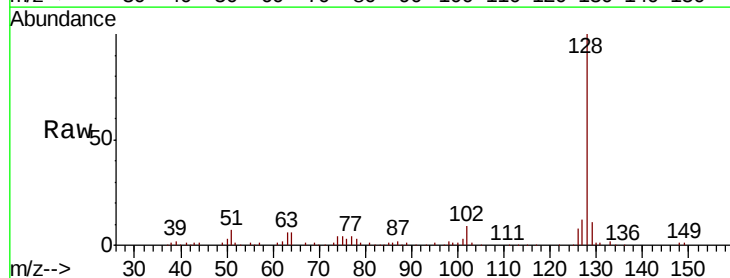


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

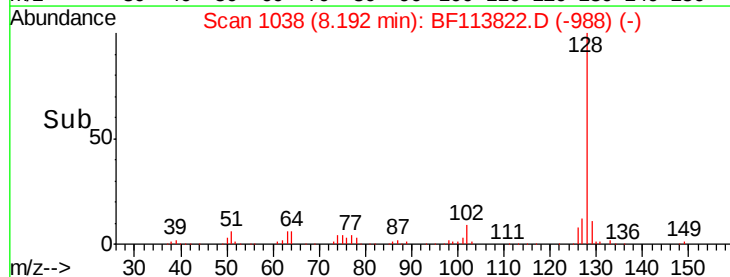
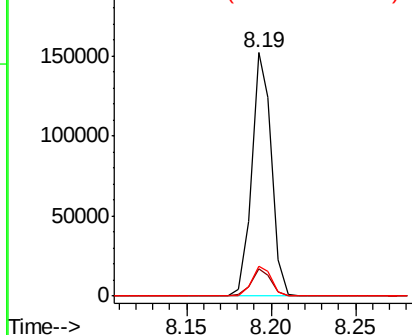


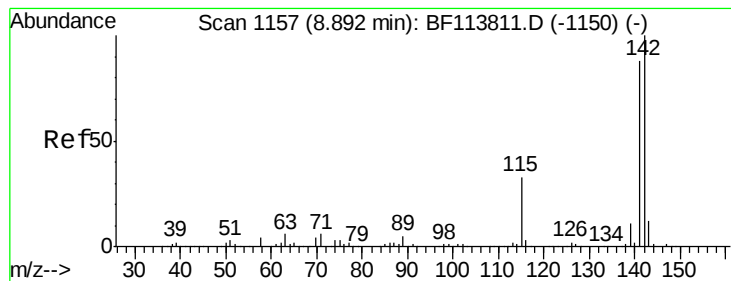
#31
Naphthalene
Concen: 3.778 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.4	14.0
127	12.5	10.8	16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





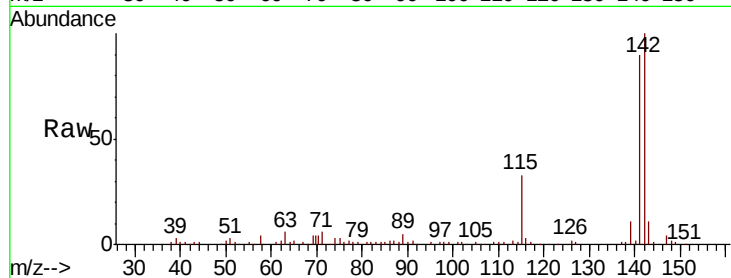
#37
2-Methylnaphthalene
Concen: 2.970 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

Instrument :
BNA_F
ClientSampleId :
SU-01-041519-B

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.4	105.6
115	32.5	26.3	39.5

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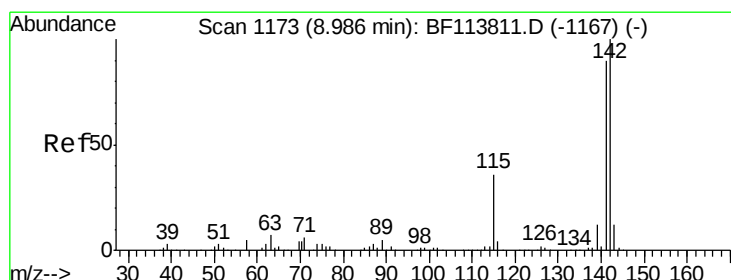
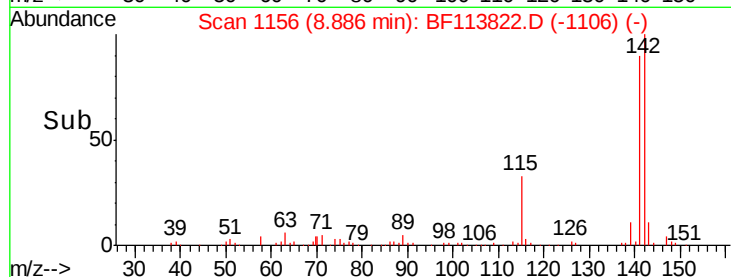
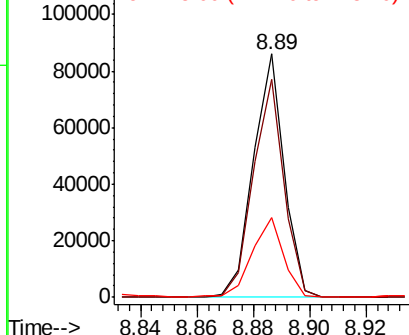


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 3.137 ng
RT: 8.99 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

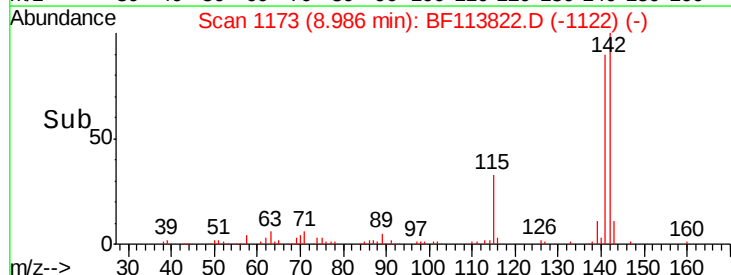
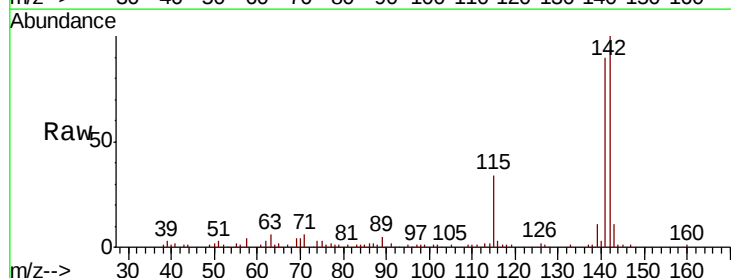
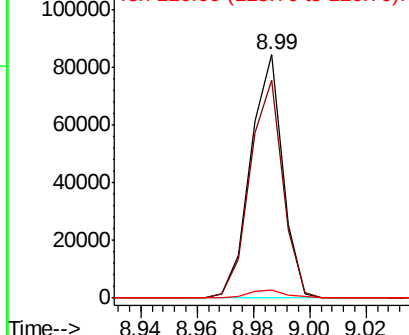
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.3	108.5
116	3.3	3.0	4.4

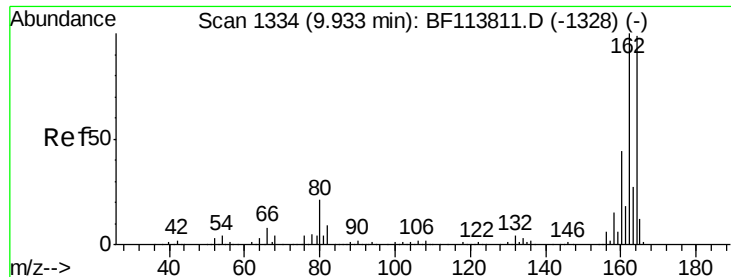
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





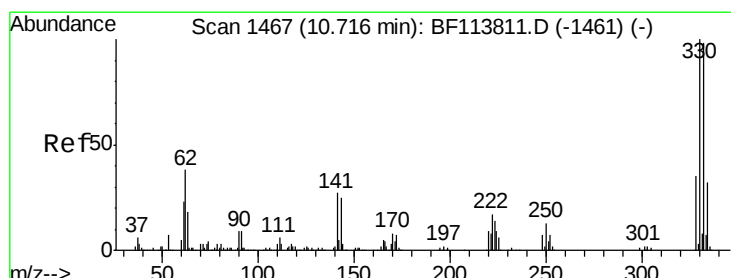
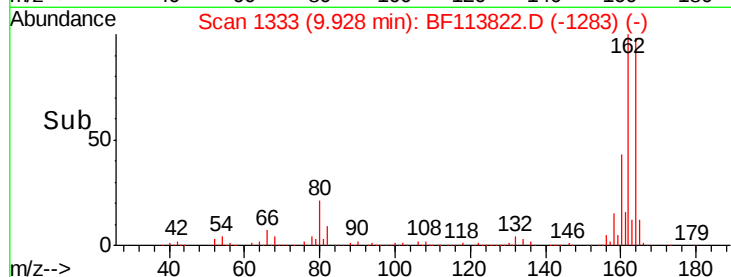
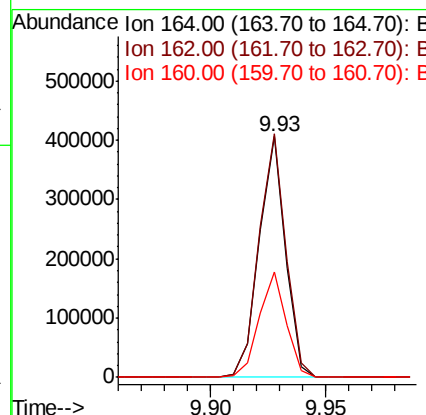
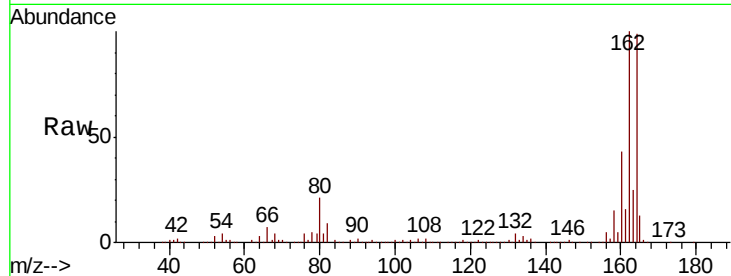
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

Instrument :
BNA_F
ClientSampleId :
SU-01-041519-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.3	81.1	121.7	
160	43.6	35.8	53.6	

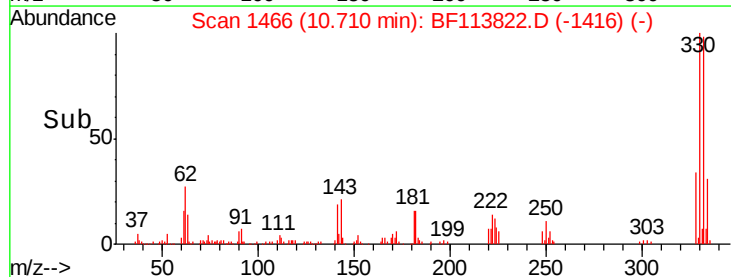
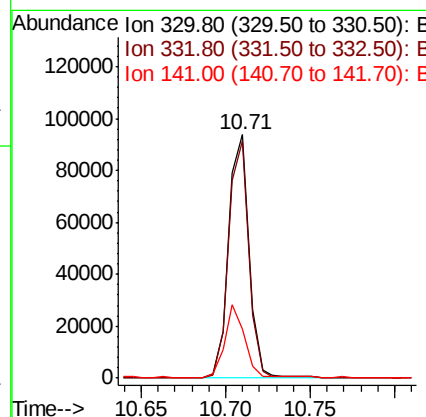
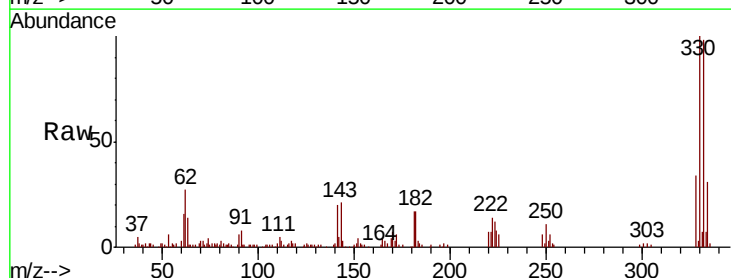
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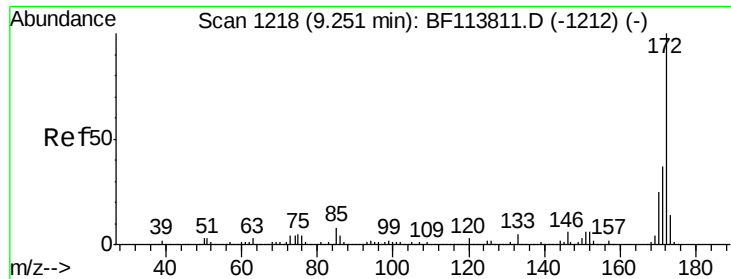
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#42
2,4,6-Tribromophenol
Concen: 22.143 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	77.5	116.3	
141	29.7	22.2	33.2	





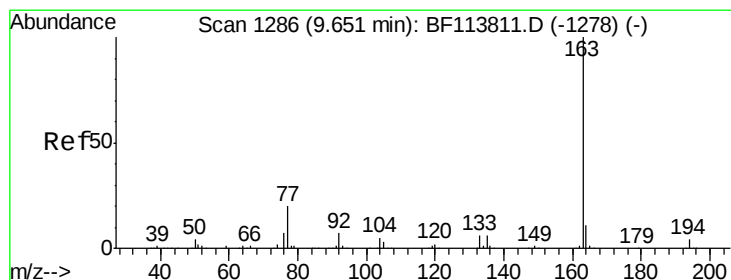
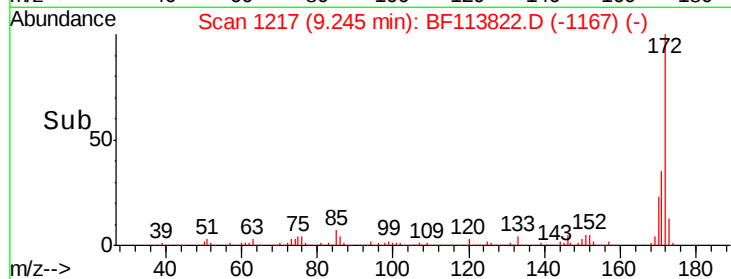
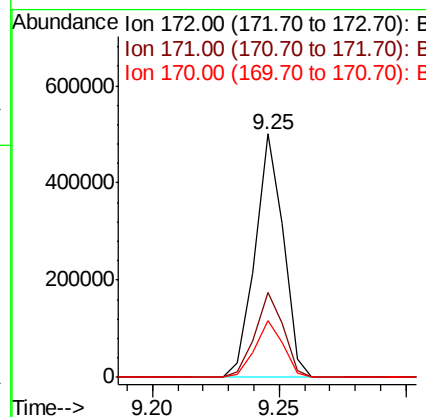
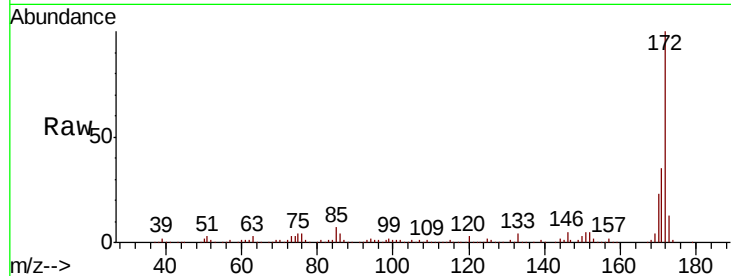
#45
2-Fluorobiphenyl
Concen: 18.308 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

Instrument :
BNA_F
ClientSampleId :
SU-01-041519-B

Tot Ion	Ratio	Resp	Lower	Upper
172	100	389950		
171	35.1		29.4	44.0
170	23.4		19.9	29.9

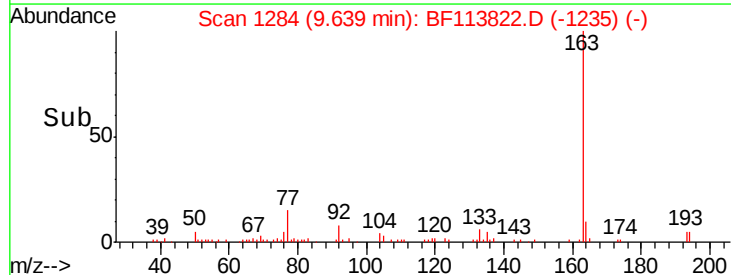
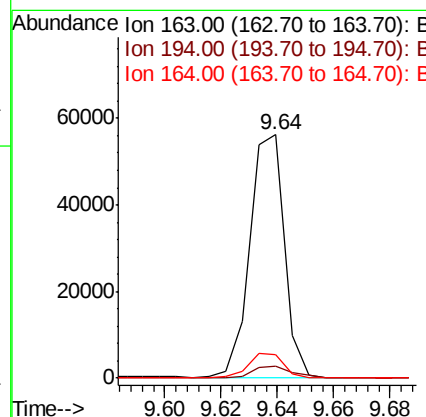
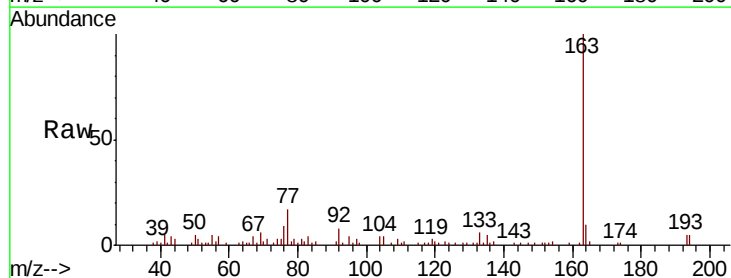
Manual Integrations
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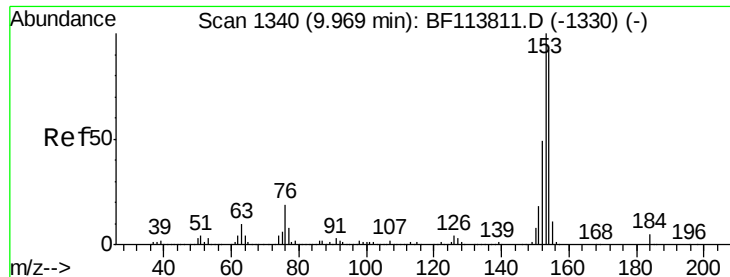
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#50
Dimethylphthalate
Concen: 2.108 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	47911		
194	4.7		3.4	5.2
164	9.8		8.5	12.7





#52

Acenaphthene

Concen: 4.126 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF113822.D

Acq: 18 Apr 2019 17:36

Instrument :

BNA_F

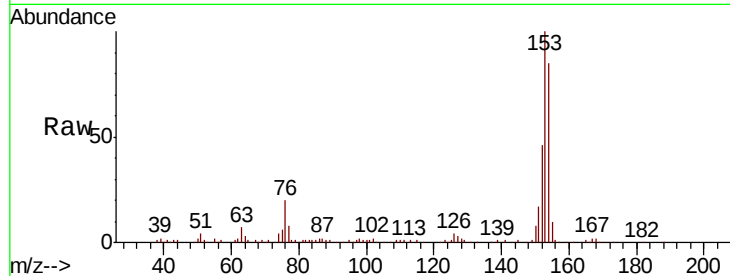
ClientSampleId :

SU-01-041519-B

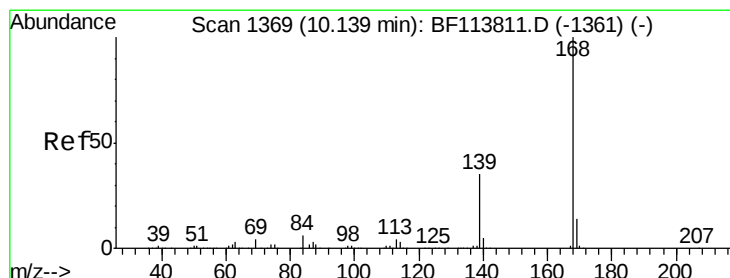
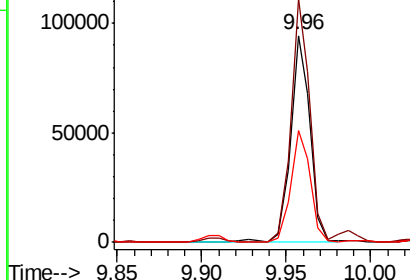
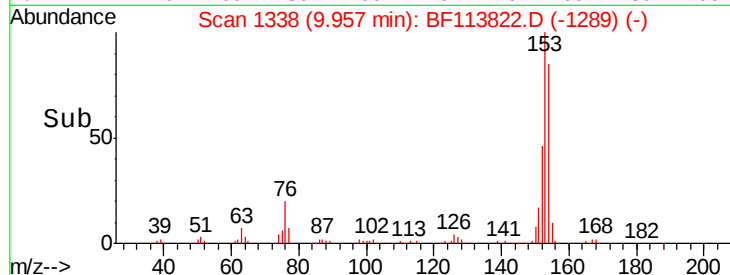
Tot Ion:	154	Resp:	76161
Ion Ratio	Lower	Upper	
154	100		
153	117.8	87.2	130.8
152	54.4	42.3	63.5

Manual Integrations
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Sohil
4/23/2019 8:16:44 AM



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



#55

Dibenzofuran

Concen: 2.664 ng

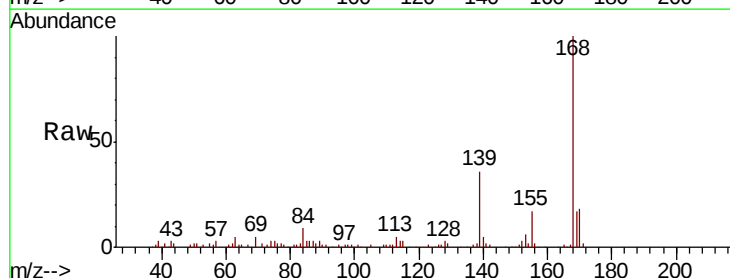
RT: 10.13 min Scan# 1367

Delta R.T. -0.01 min

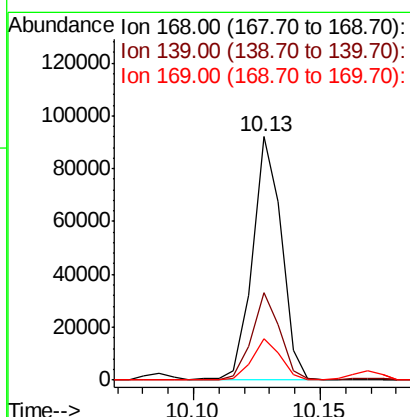
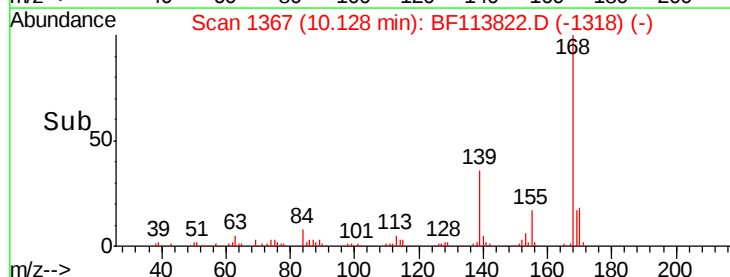
Lab File: BF113822.D

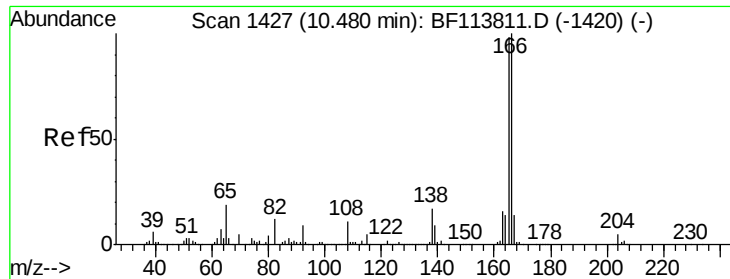
Acq: 18 Apr 2019 17:36

Tgt Ion:	168	Resp:	73667
Ion Ratio	Lower	Upper	
168	100		
139	35.8	27.8	41.6
169	16.9	11.0	16.6#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





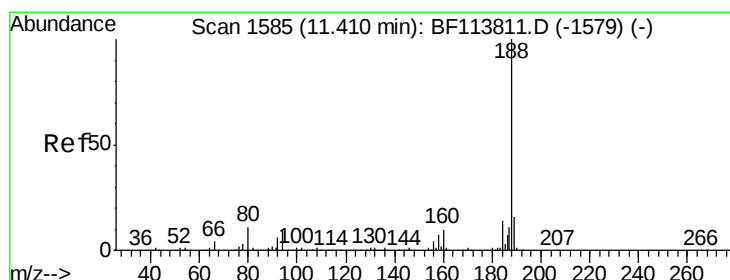
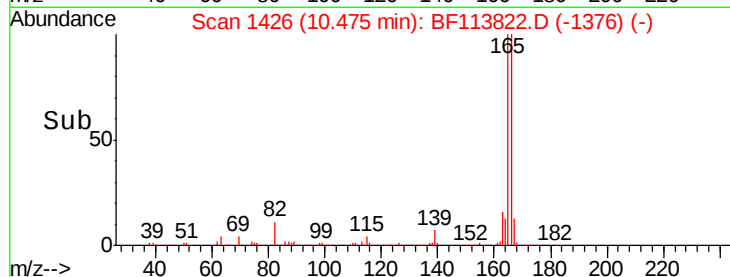
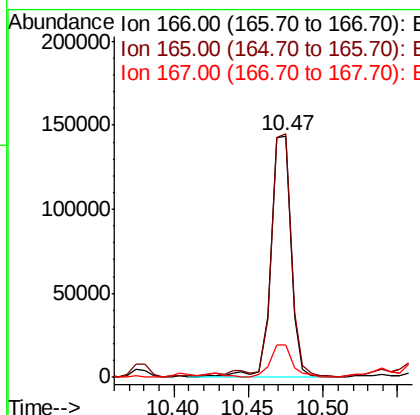
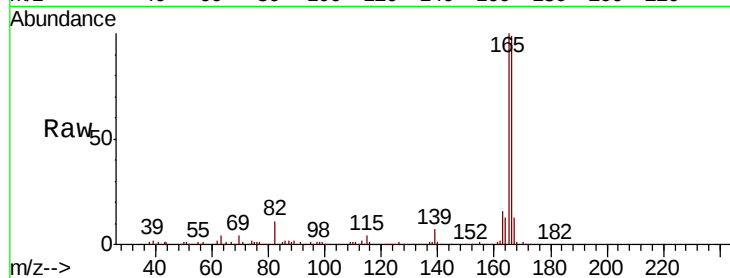
#58
 Fluorene
 Concen: 6.380 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF113822.D
 Acq: 18 Apr 2019 17:36

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-041519-B

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.8	78.4	117.6
167	13.3	10.9	16.3

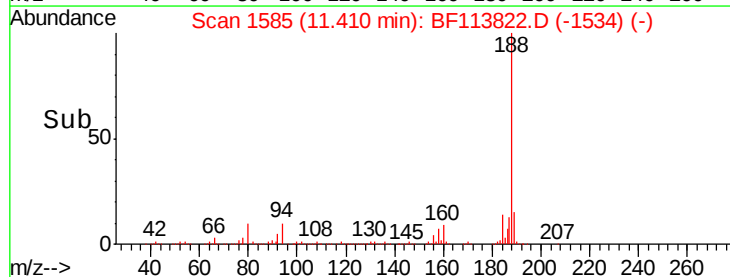
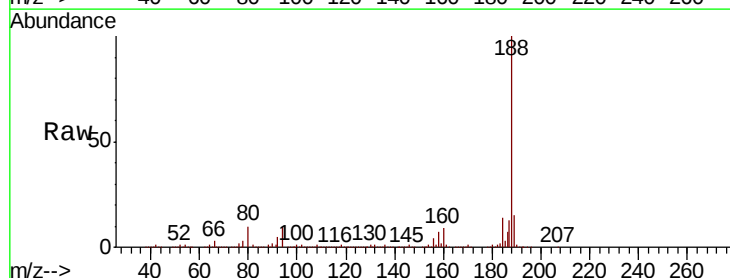
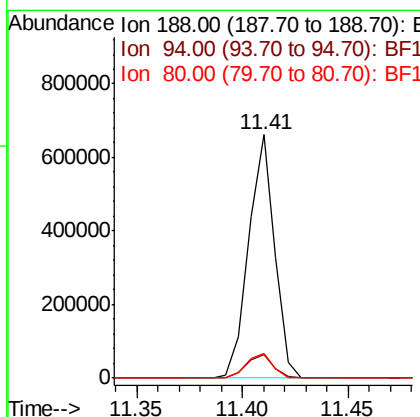
Manual Integrations
 APPROVED

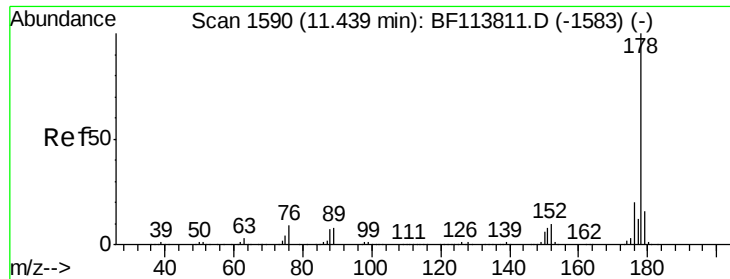
Sohil
 4/23/2019 8:16:44 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF113822.D
 Acq: 18 Apr 2019 17:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.2	12.4
80	10.0	9.0	13.6





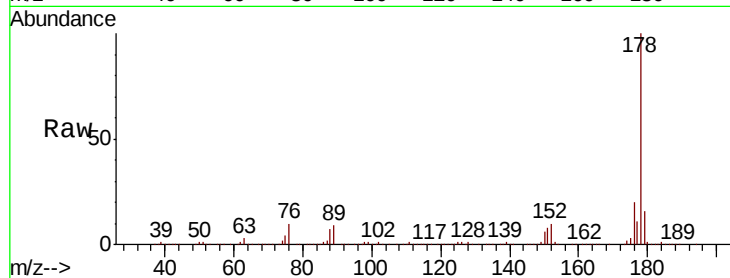
#71
Phenanthrene
Concen: 27.124 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

Instrument :
BNA_F
ClientSampled :
SU-01-041519-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.1	24.1
179	15.9	12.8	19.2

Manual Integrations
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Sohil
4/23/2019 8:16:44 AM

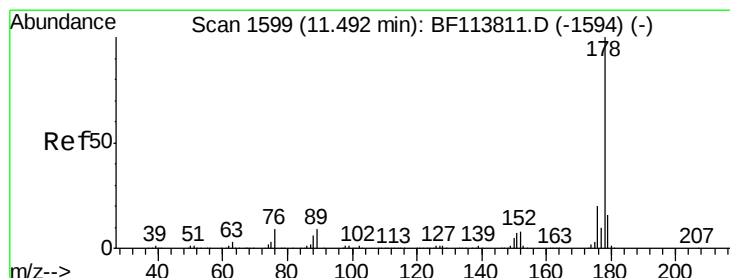
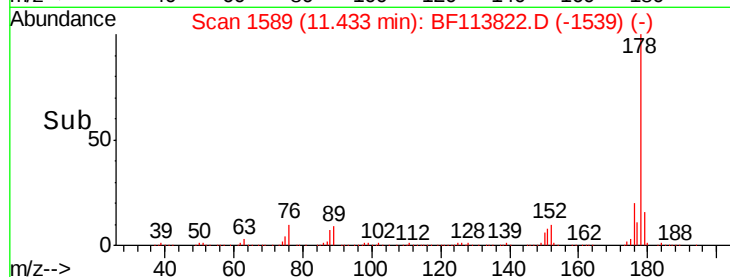
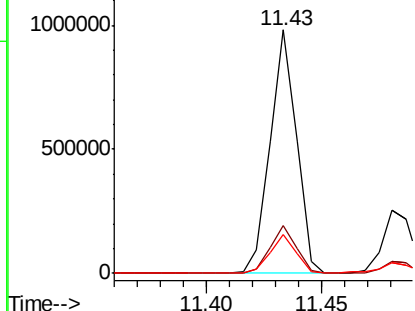


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 7.532 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

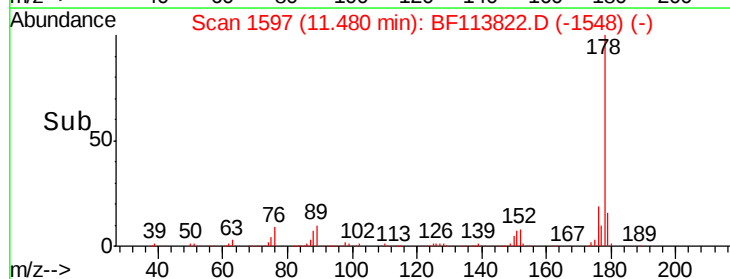
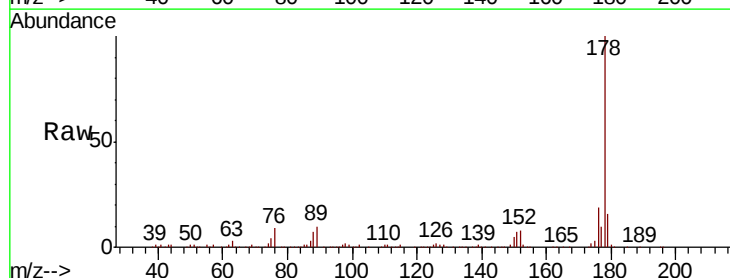
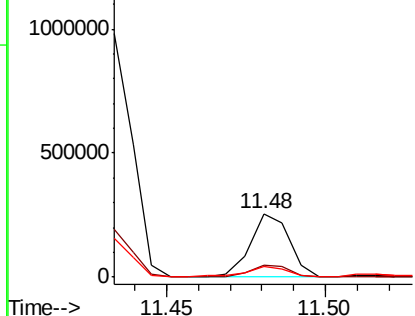
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	16.0	13.0	19.4

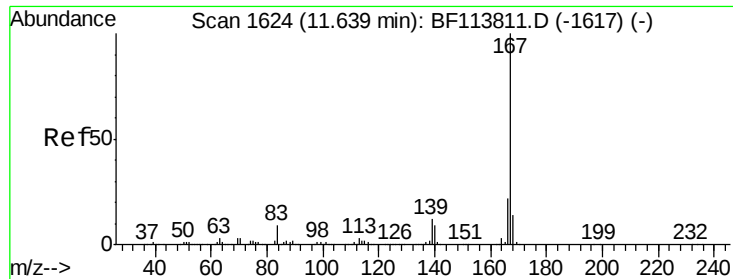
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 2.157 ng

RT: 11.63 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF113822.D

Acq: 18 Apr 2019 17:36

Instrument :

BNA_F

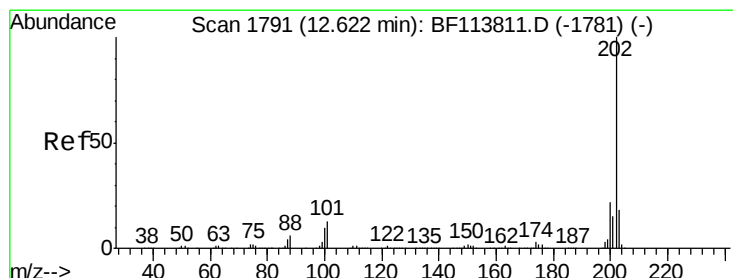
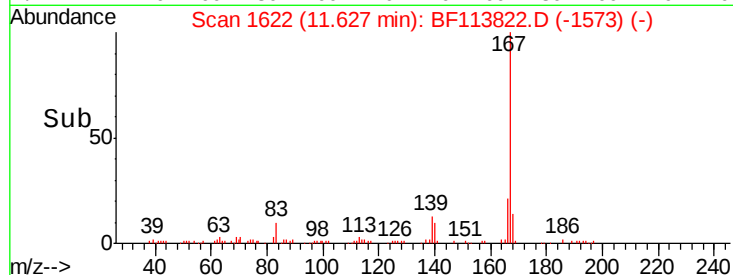
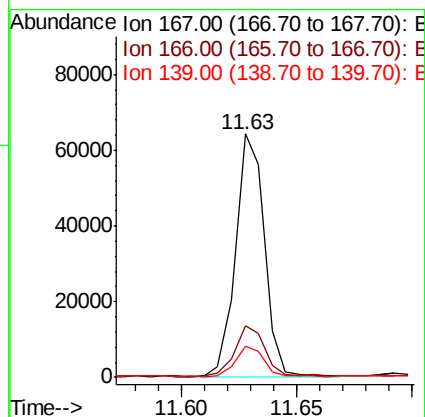
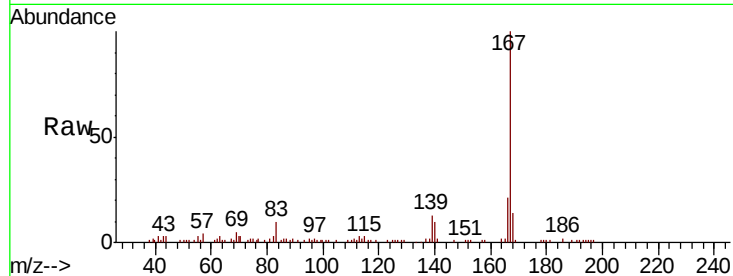
ClientSampleId :

SU-01-041519-B

Tot Ion:	167	Resp:	56637
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.7	26.5
139	13.0	10.0	15.0

Manual Integrations
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#75

Fluoranthene

Concen: 21.053 ng

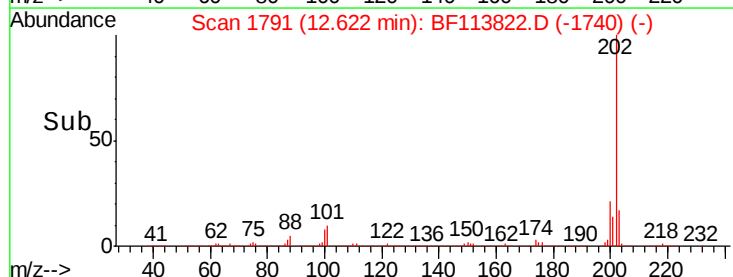
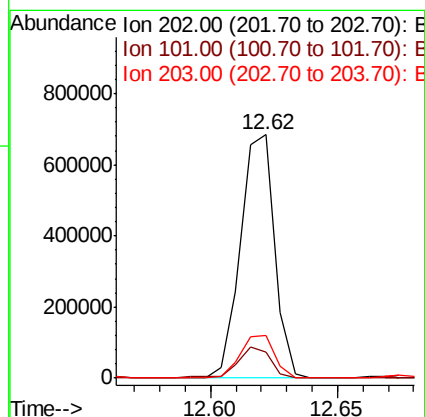
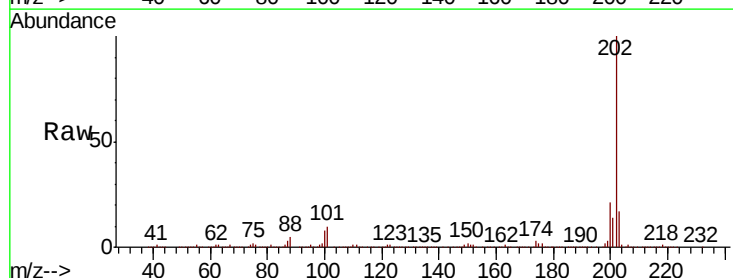
RT: 12.62 min Scan# 1791

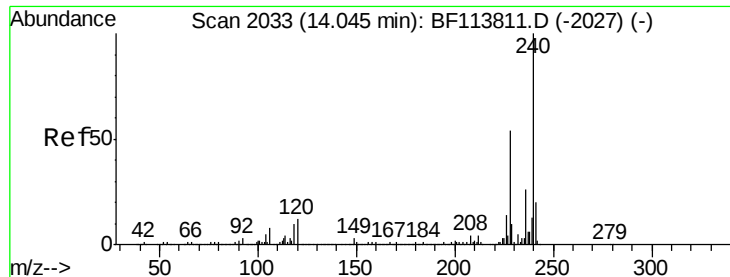
Delta R.T. 0.00 min

Lab File: BF113822.D

Acq: 18 Apr 2019 17:36

Tgt Ion:	202	Resp:	640365
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	32.9
203	17.3	0.0	38.2





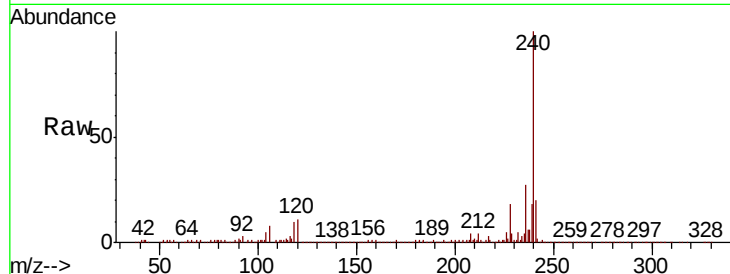
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

Instrument :
BNA_F
ClientSampleId :
SU-01-041519-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.3	13.9
236	26.5	21.2	31.8

Manual Integrations
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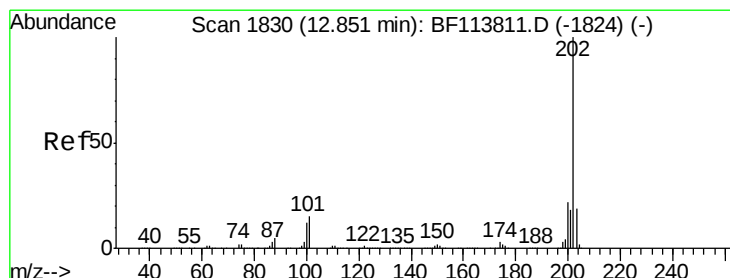
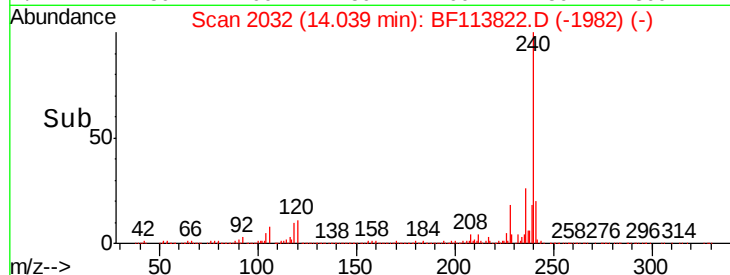
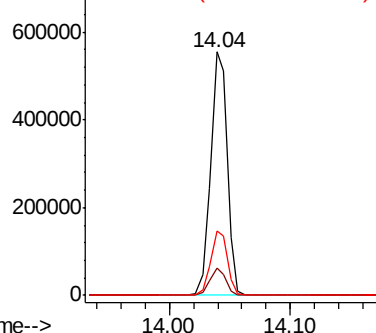


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 16.628 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

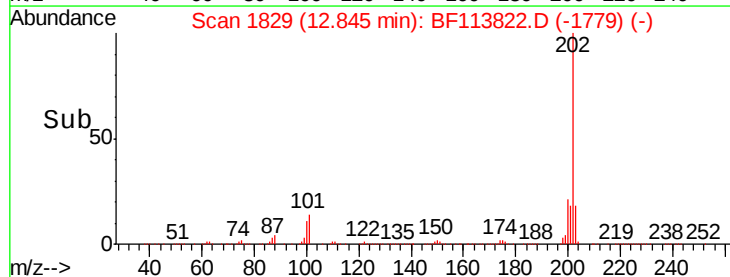
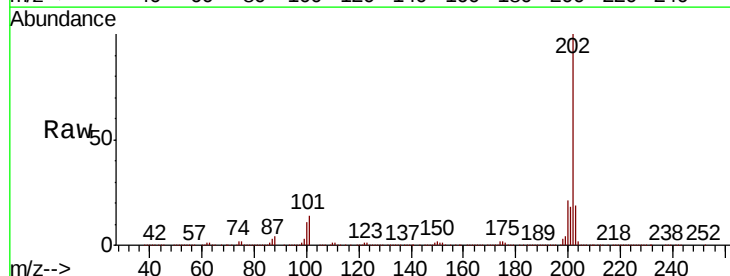
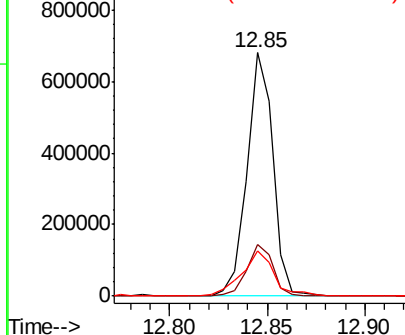
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	18.5	15.0	22.6

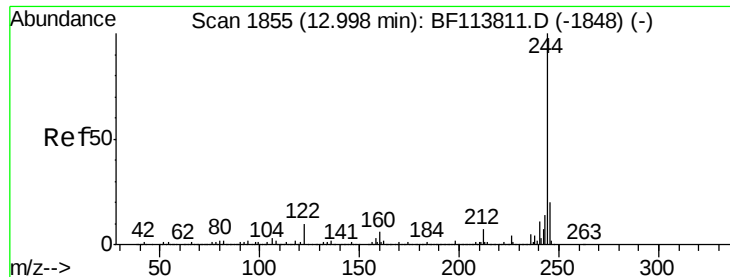
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 15.318 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF113822.D

Acq: 18 Apr 2019 17:36

Instrument :

BNA_F

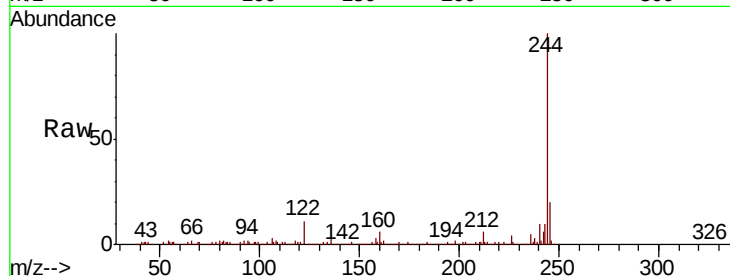
ClientSampleId :

SU-01-041519-B

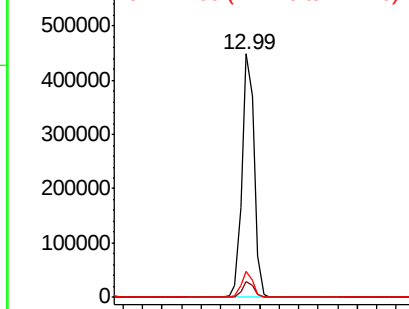
Tot Ion:	244	Resp:	389509
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.2
122	10.8	7.6	11.4

Manual Integrations
APPROVED

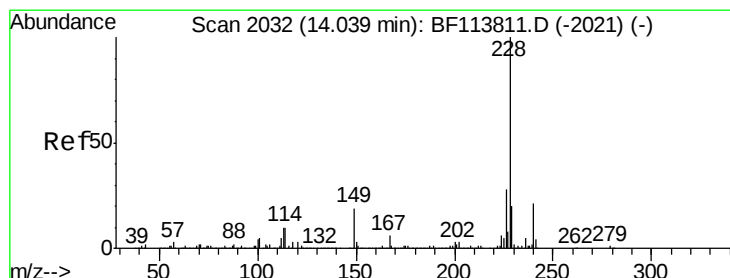
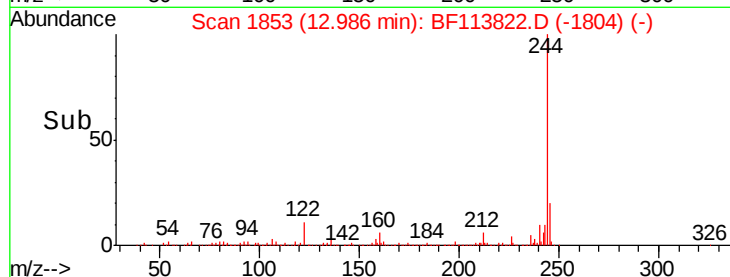
Sohil
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->



#81

Benzo(a)anthracene

Concen: 8.283 ng

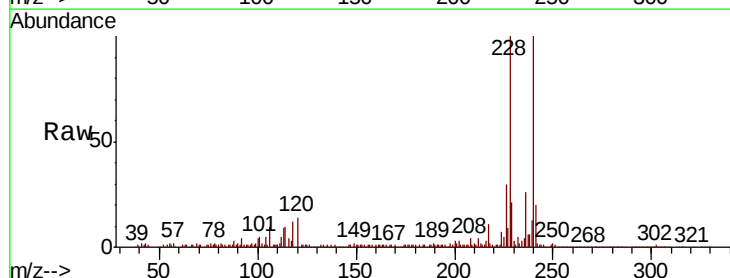
RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

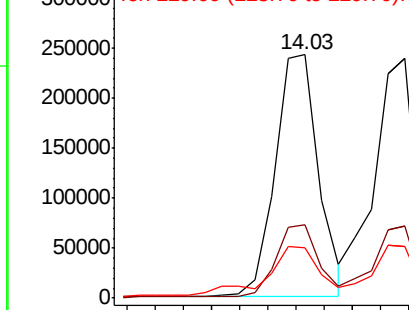
Lab File: BF113822.D

Acq: 18 Apr 2019 17:36

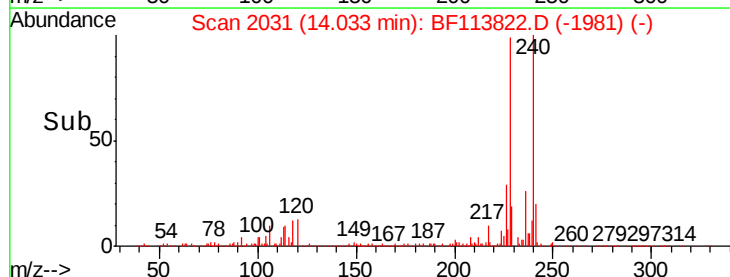
Tgt Ion:	228	Resp:	258179
Ion Ratio	Lower	Upper	
228	100		
226	30.1	22.2	33.2
229	20.9	16.0	24.0

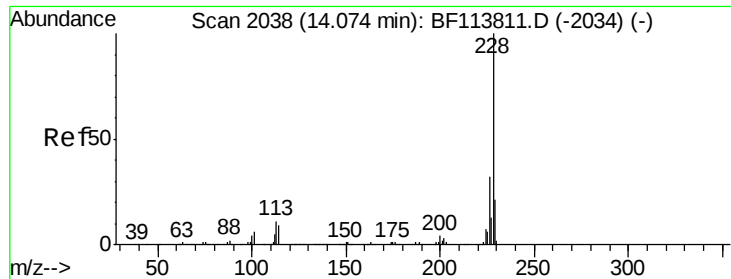


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





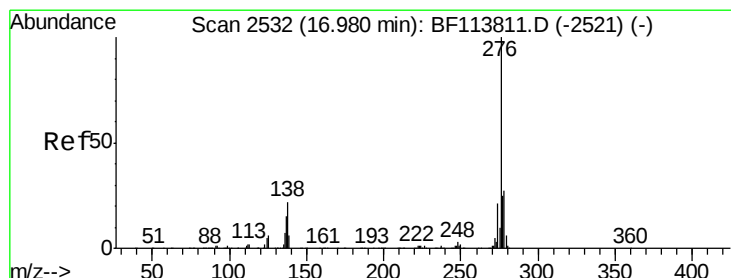
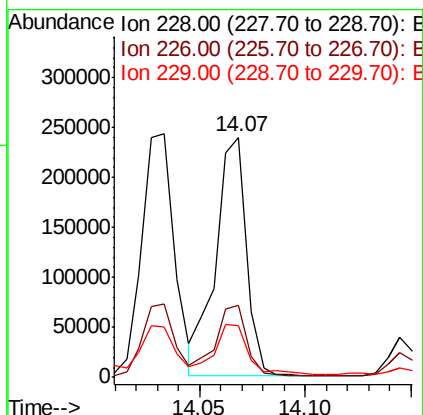
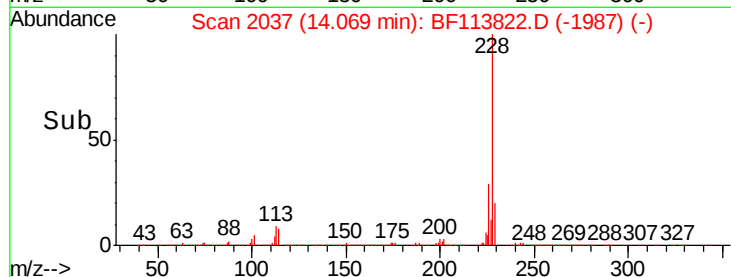
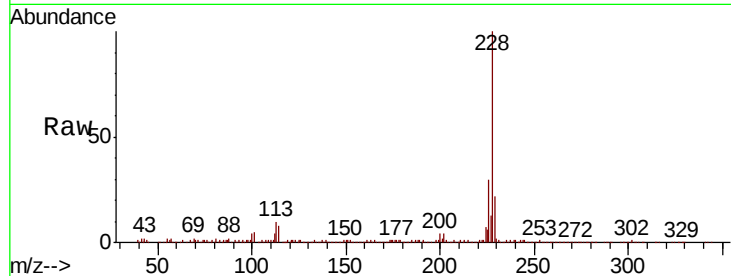
#83
Chrysene
Concen: 7.808 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

Instrument :
BNA_F
ClientSampleId :
SU-01-041519-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.2	37.8
229	21.5	16.7	25.1

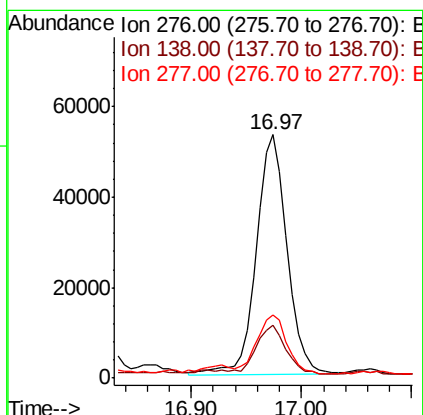
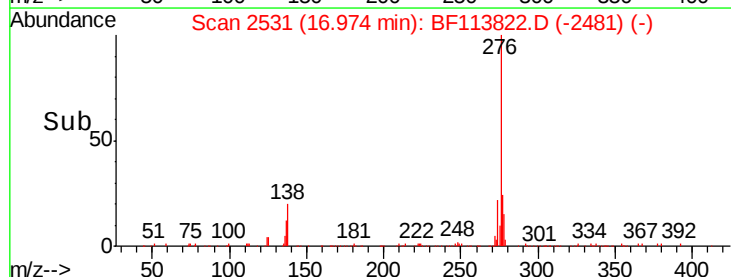
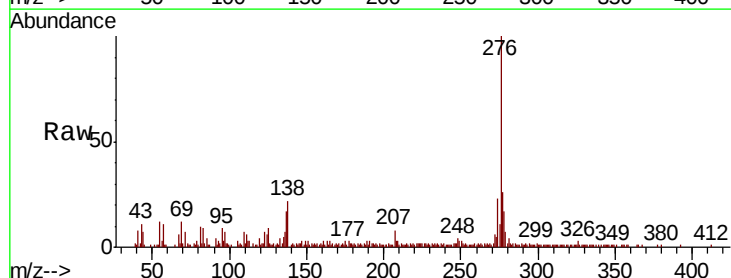
Manual Integrations
APPROVED

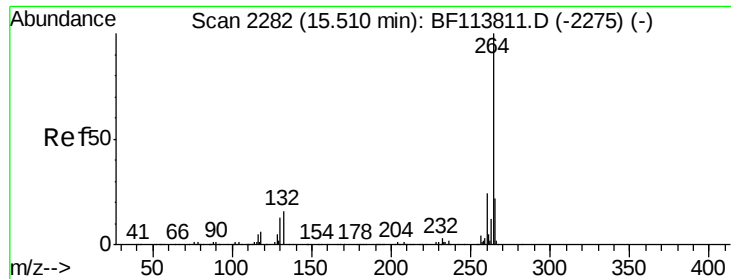
Sohil
4/23/2019 8:16:44 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.076 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	19.6	29.4
277	24.6	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.00 min

Lab File: BF113822.D

Acq: 18 Apr 2019 17:36

Instrument :

BNA_F

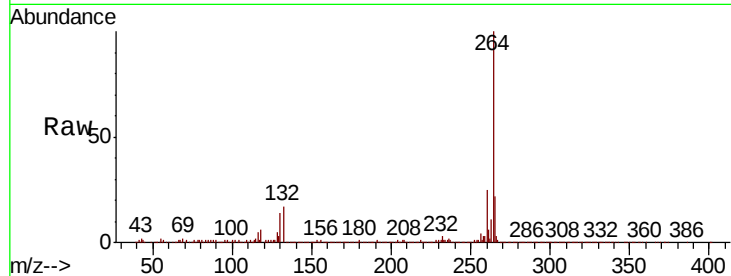
ClientSampleId :

SU-01-041519-B

Tot Ion:	264	Resp:	628432
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.9	28.3
265	22.5	17.3	25.9

Manual Integrations
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4/23/2019 8:16:44 AM

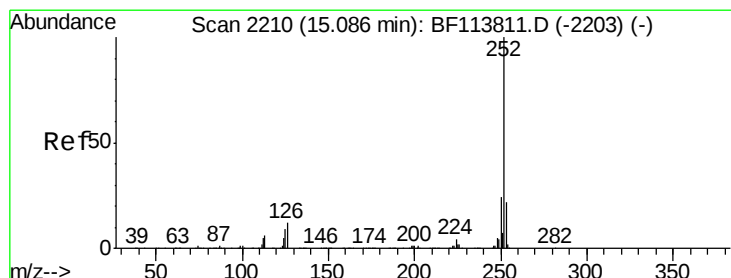
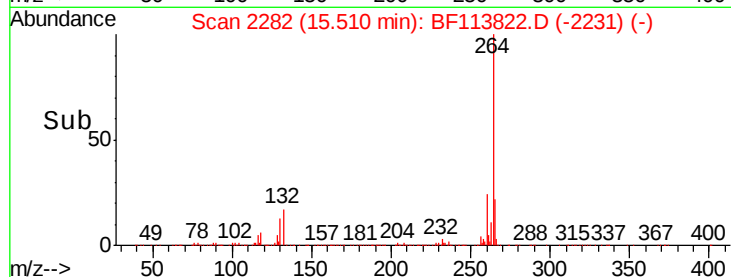
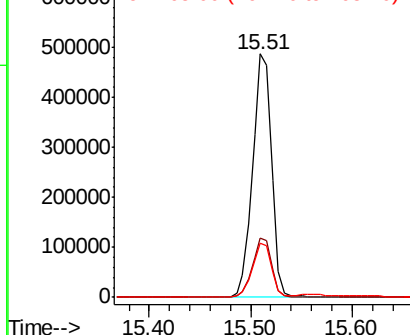


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 7.119 ng m

RT: 15.08 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BF113822.D

Acq: 18 Apr 2019 17:36

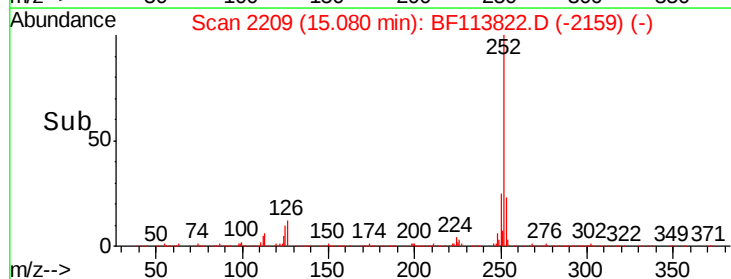
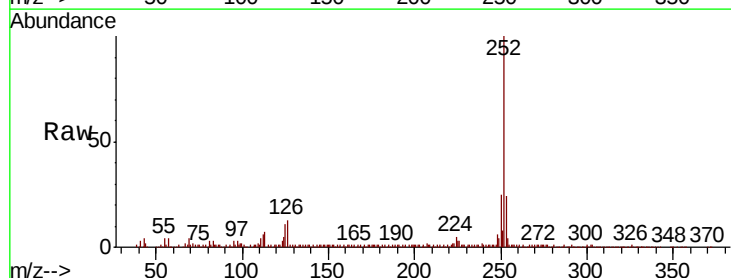
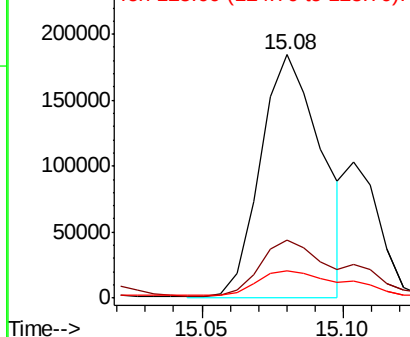
Tgt Ion:	252	Resp:	278899
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.8	26.6
125	11.1	7.0	10.6#

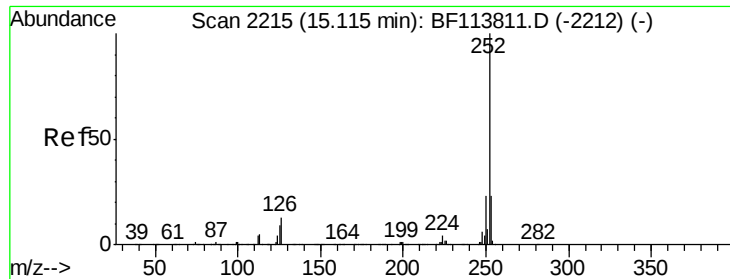
Abundance

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





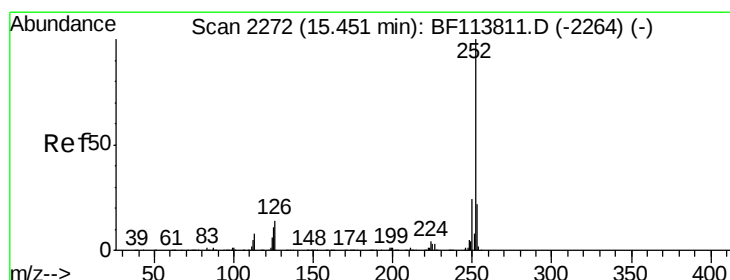
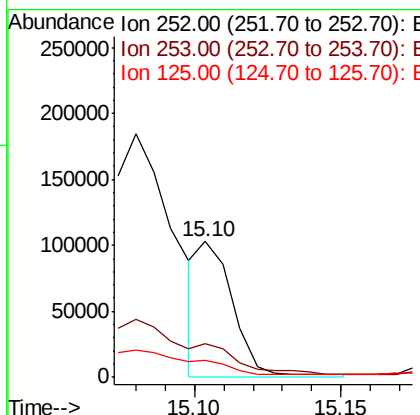
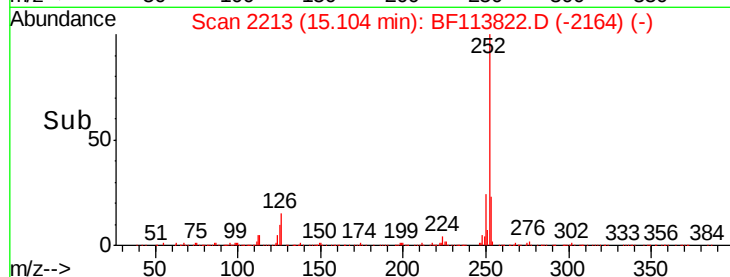
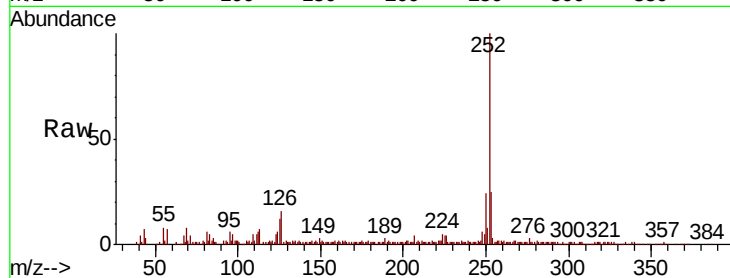
#89
Benzo(k)fluoranthene
Concen: 2.434 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

Instrument :
BNA_F
ClientSampleId :
SU-01-041519-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.2	27.2
125	12.5	7.4	11.2

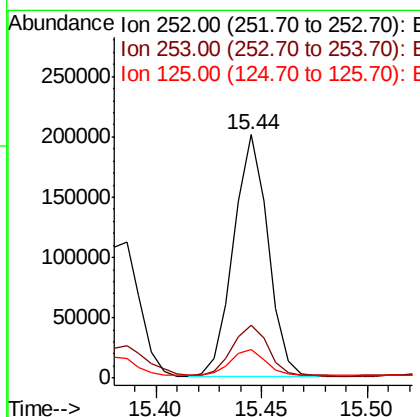
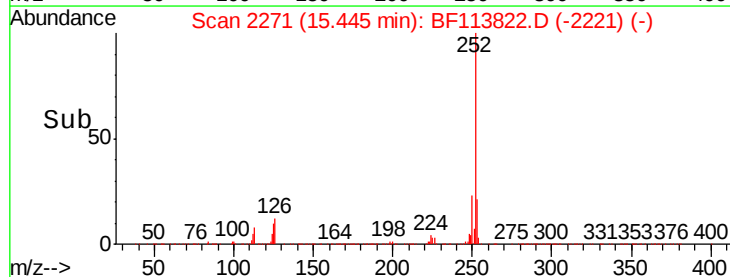
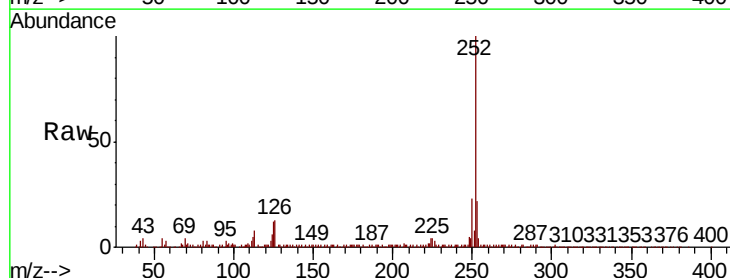
Manual Integrations
APPROVED

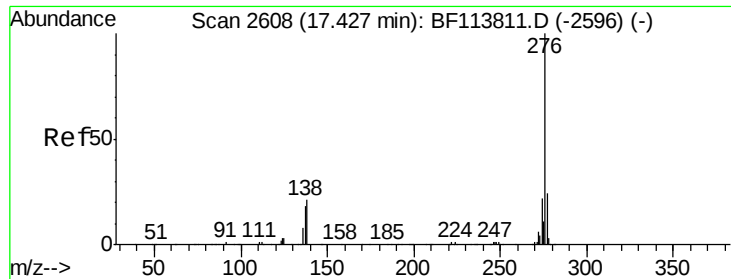
Sohil
4/23/2019 8:16:44 AM



#90
Benzo(a)pyrene
Concen: 6.545 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF113822.D
Acq: 18 Apr 2019 17:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	11.5	8.5	12.7





#92
 Benzo(a,h,i)perylene
 Concen: 3.006 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.01 min
 Lab File: BF113822.D
 Acq: 18 Apr 2019 17:36

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-041519-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.4
138	21.2	16.6	25.0

Manual Integrations
 APPROVED

Sohil
 4/23/2019 8:16:44 AM

