

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112918\
 Data File : BF111088.D
 Acq On : 29 Nov 2018 14:00
 Operator : JU/SJ
 Sample : J6051-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

Manual Integrations
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Quant Time: Nov 29 15:10:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 29 10:35:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	62036	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	268992	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	130334	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	222621	20.00	ng	0.00
76) Chrysene-d12	14.13	240	127374	20.00	ng	0.00
87) Perylene-d12	15.66	264	121698	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	211019	56.41	ng	0.00
7) Phenol-d6	6.56	99	278011	57.03	ng	-0.01
23) Nitrobenzene-d5	7.50	82	176003	37.45	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	57582	44.49	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	306354	34.05	ng	-0.01
79) Terphenyl-d14	13.05	244	198264	30.30	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.57	94	16989	3.094	ng	92
31) Naphthalene	8.23	128	105238	8.346	ng	99
37) 2-Methylnaphthalene	8.93	142	21971	2.638	ng	97
38) 1-Methylnaphthalene	9.03	142	21088	2.603	ng	# 93
49) Acenaphthylene	9.83	152	158831	12.821	ng	98
50) Dimethylphthalate	9.68	163	49991	5.230	ng	98
52) Acenaphthene	10.00	154	18462	2.325	ng	95
55) Dibenzofuran	10.19	168	43441	3.749	ng	94
58) Fluorene	10.52	166	89698	9.950	ng	100
71) Phenanthrene	11.50	178	793881	67.331	ng	99
72) Anthracene	11.55	178	240998	20.071	ng	99
73) Carbazole	11.71	167	38774	3.327	ng	98
75) Fluoranthene	12.70	202	997515	82.315	ng	99
78) Pyrene	12.93	202	904812	97.260	ng	99
81) Benzo(a)anthracene	14.12	228	458333	60.949	ng	97
83) Chrysene	14.16	228	364997	49.305	ng	98
86) Indeno(1,2,3-cd)pyrene	17.25	276	182744	34.391	ng	95
88) Benzo(b)fluoranthene	15.21	252	547386m	76.565	ng	
89) Benzo(k)fluoranthene	15.23	252	148650m	20.201	ng	
90) Benzo(a)pyrene	15.60	252	391682	58.857	ng	99
91) Dibenzo(a,h)anthracene	17.24	278	43029m	7.837	ng	
92) Benzo(g,h,i)perylene	17.73	276	159084	30.049	ng	97

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

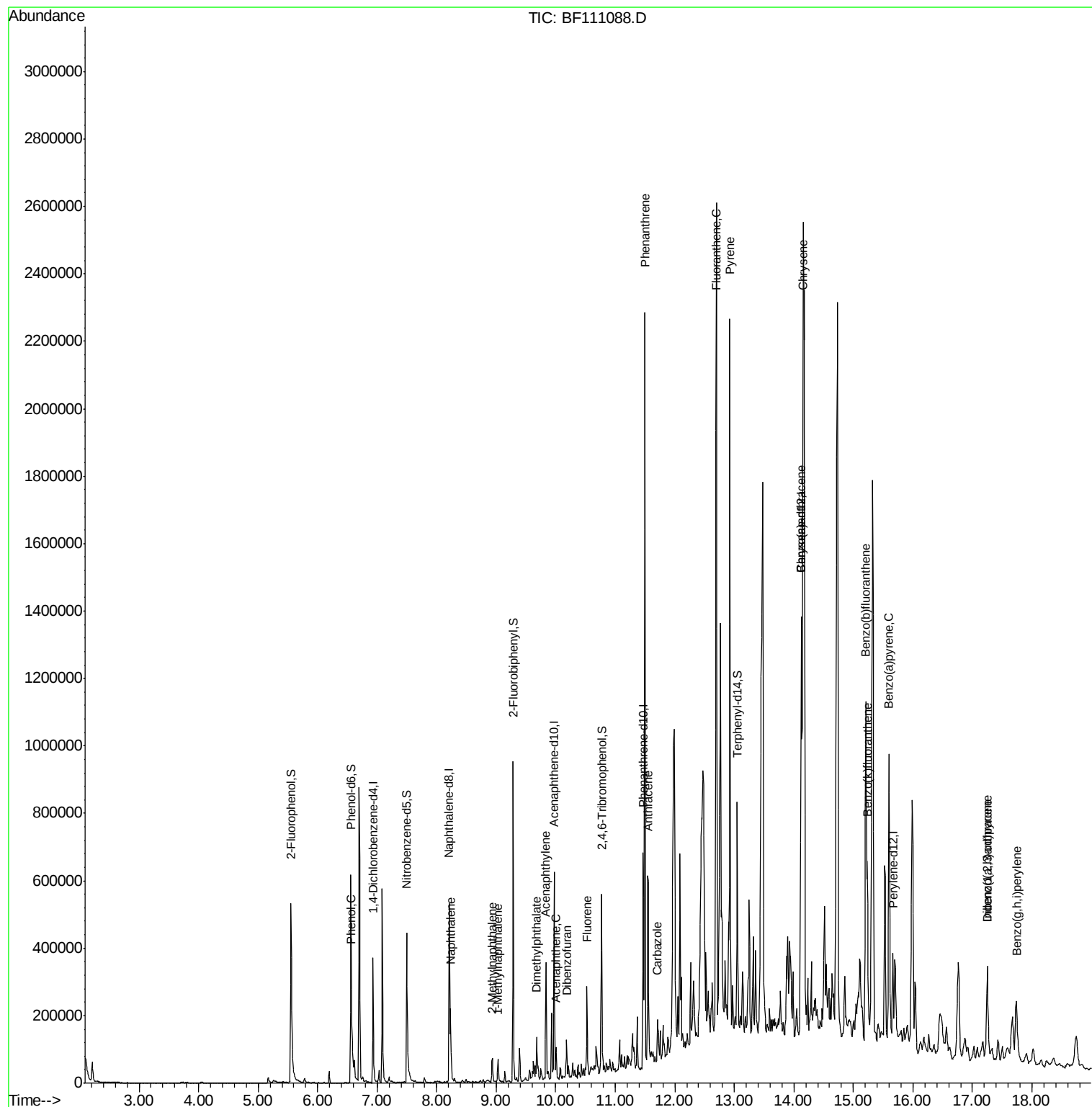
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112918\
Data File : BF111088.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

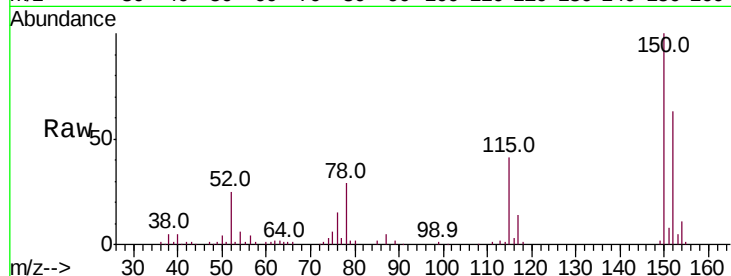
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

Instrument :
BNA_F
ClientSampleId :
SS-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.7	184.1
115	65.0	49.1	73.7

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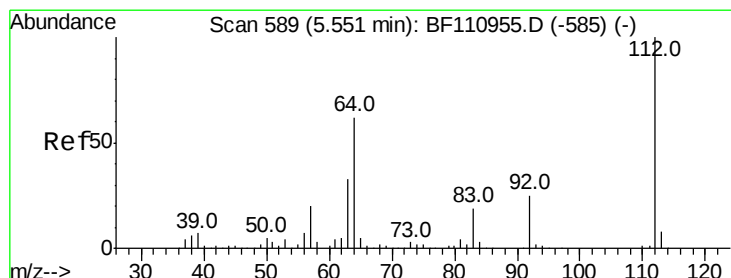
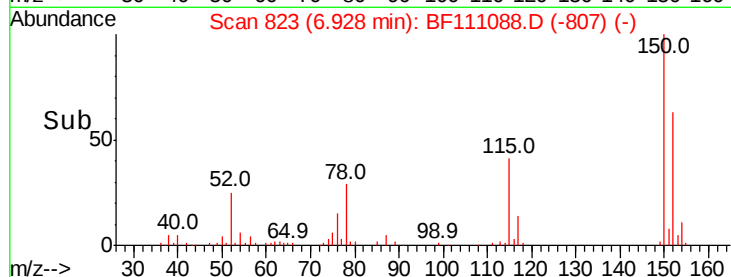
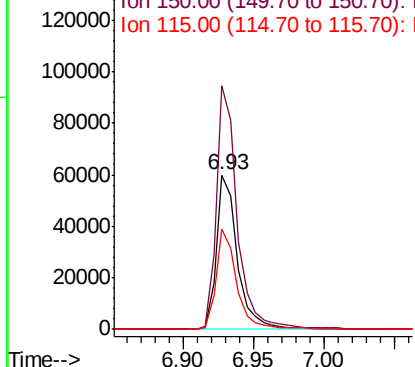


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 56.409 ng
RT: 5.55 min Scan# 589
Delta R.T. 0.00 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

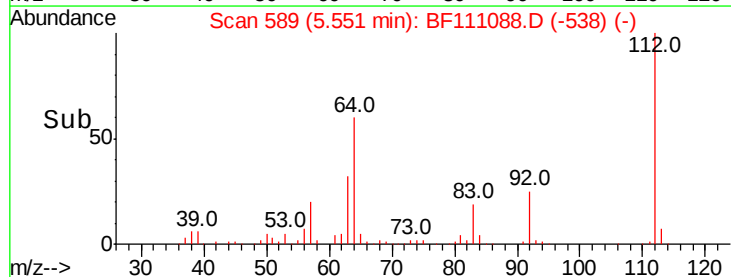
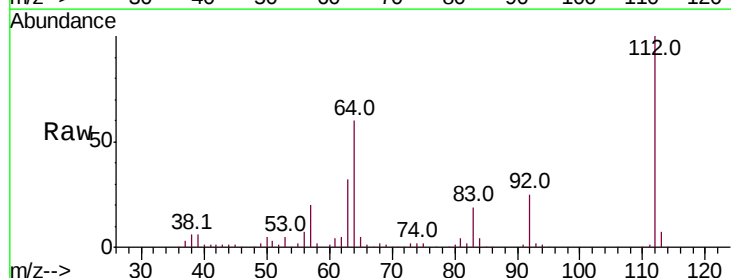
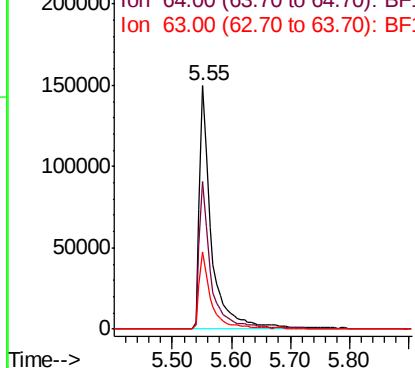
Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	44.1	66.1
63	31.8	23.7	35.5

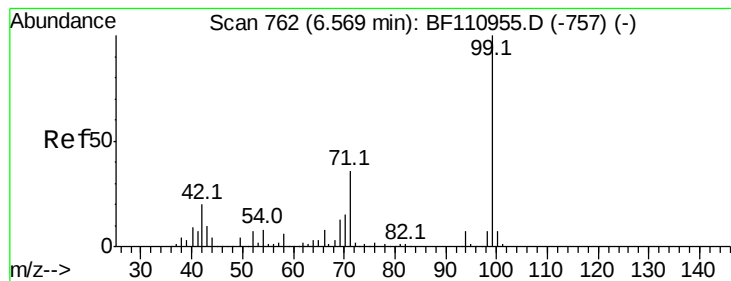
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 57.028 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF111088.D

Acq: 29 Nov 2018 14:00

Instrument :

BNA_F

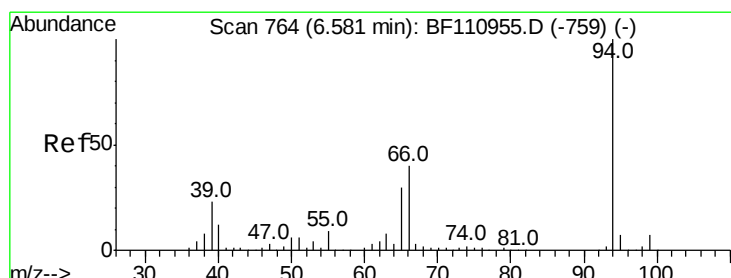
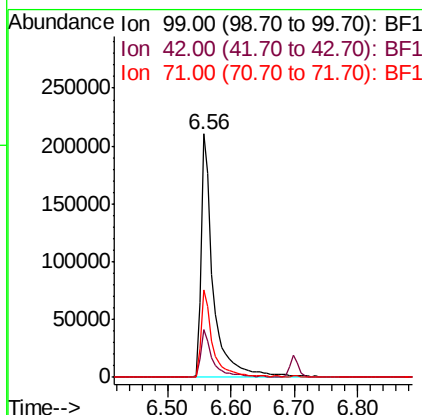
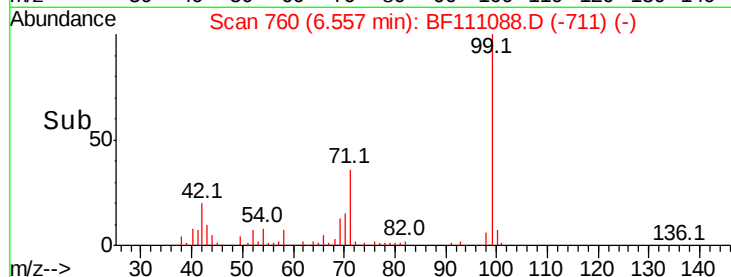
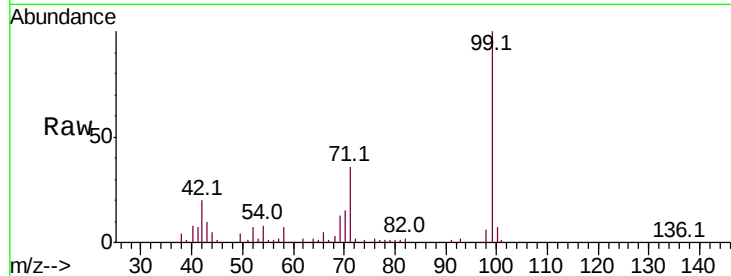
ClientSampled :

SS-02

Tot Ion:	99	Resp:	278011
Ion Ratio	Lower	Upper	
99	100		
42	19.7	15.8	23.6
71	35.7	28.0	42.0

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#10

Phenol

Concen: 3.094 ng

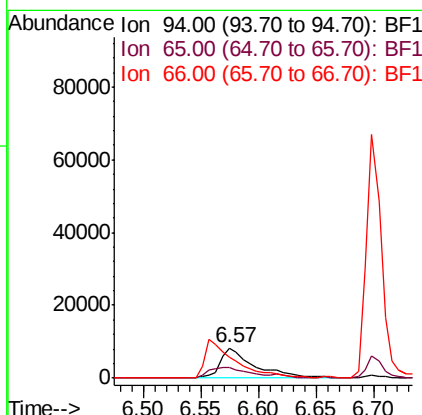
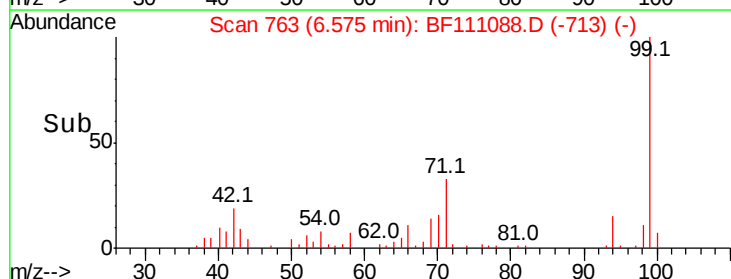
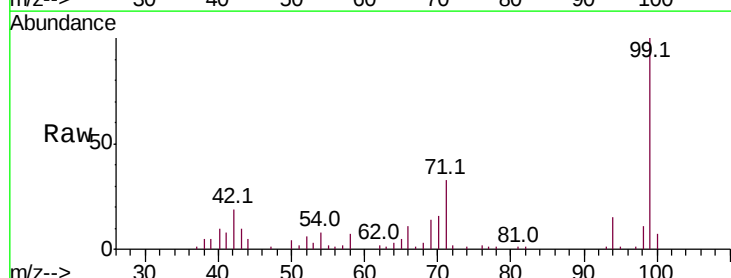
RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF111088.D

Acq: 29 Nov 2018 14:00

Tgt Ion:	94	Resp:	16989
Ion Ratio	Lower	Upper	
94	100		
65	36.3	25.3	65.3
66	70.9	54.5	94.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.21 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF111088.D

Acq: 29 Nov 2018 14:00

Instrument :

BNA_F

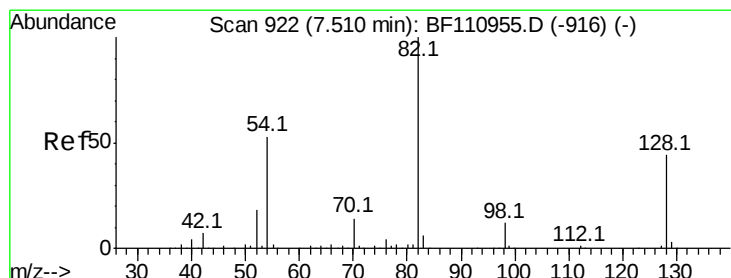
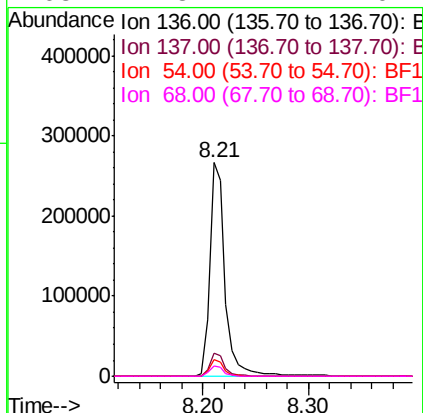
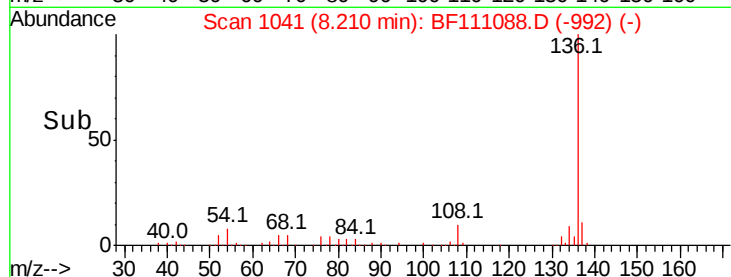
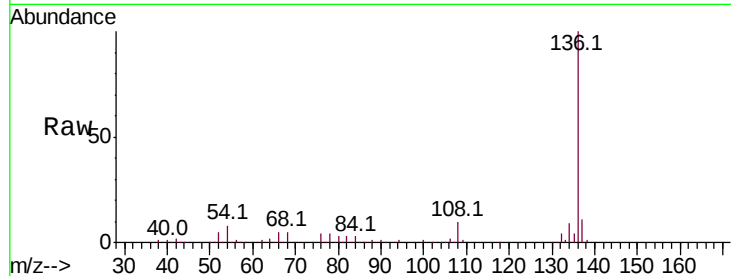
ClientSampleId :

SS-02

Tot Ion	Ratio	Resp	Lower	Upper
136	100	268992		
137	10.9		8.8	13.2
54	8.1		5.4	8.2
68	4.8		4.2	6.2

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#23

Nitrobenzene-d5

Concen: 37.446 ng

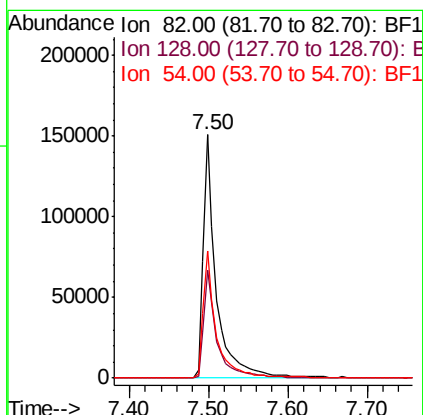
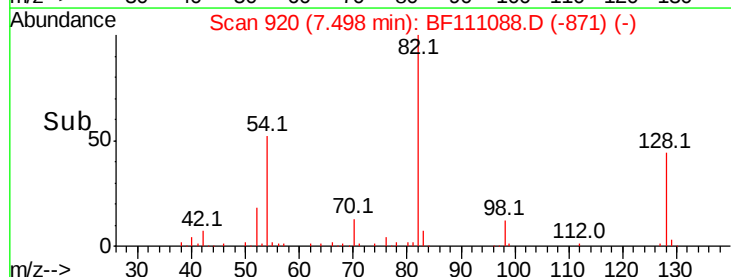
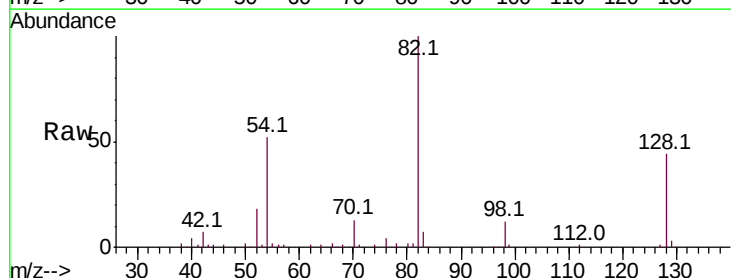
RT: 7.50 min Scan# 920

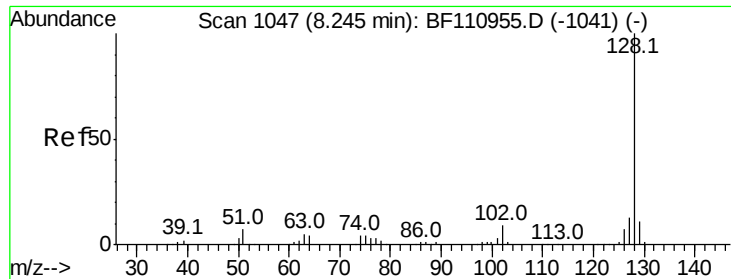
Delta R.T. -0.01 min

Lab File: BF111088.D

Acq: 29 Nov 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	176003		
128	44.3		34.2	51.2
54	52.5		38.6	58.0





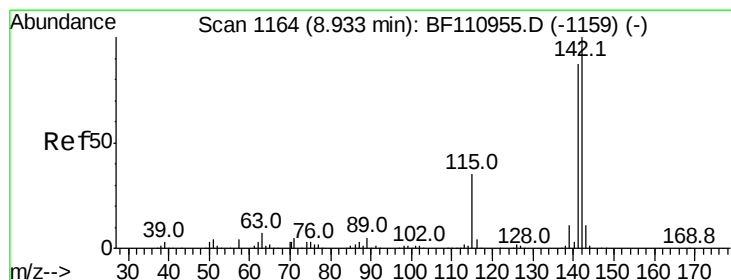
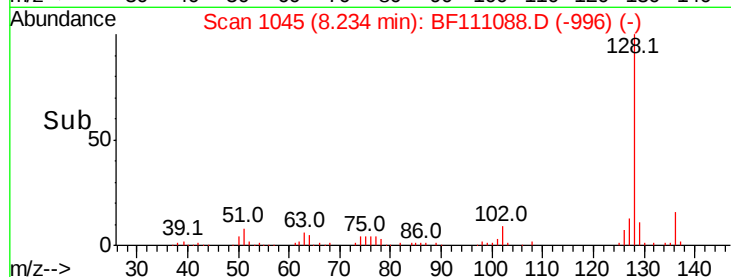
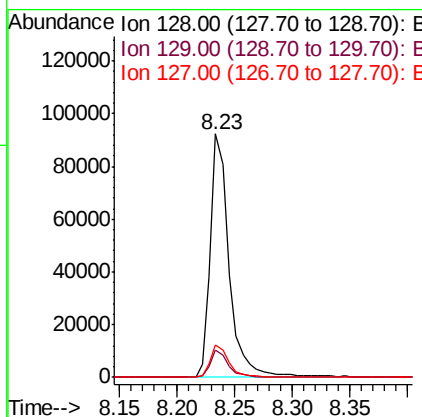
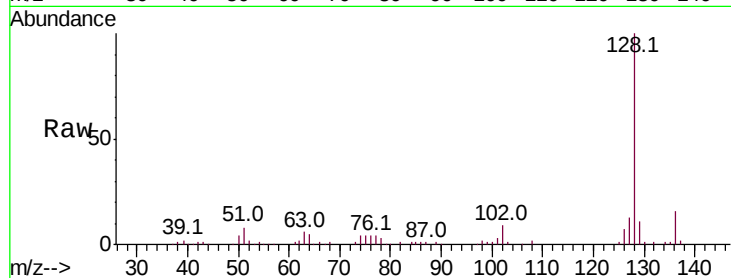
#31
Naphthalene
Concen: 8.346 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

Instrument :
BNA_F
ClientSampleId :
SS-02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	105238		
129	11.3		8.8	13.2
127	13.3		10.8	16.2

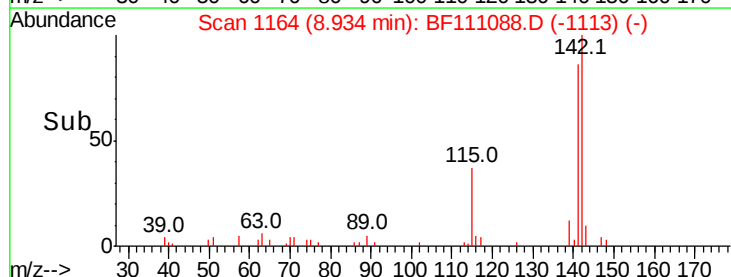
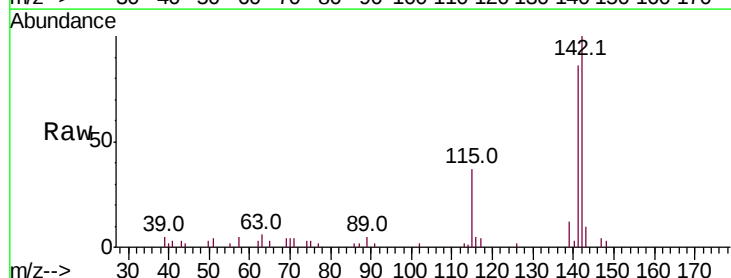
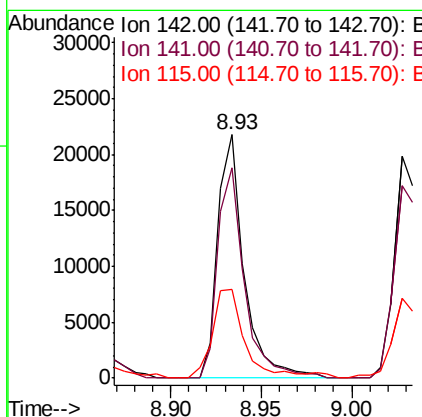
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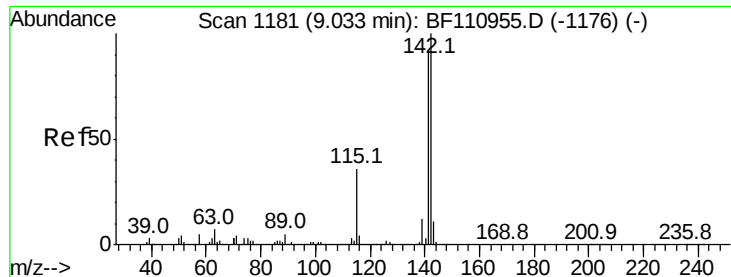
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#37
2-Methylnaphthalene
Concen: 2.638 ng
RT: 8.93 min Scan# 1164
Delta R.T. 0.00 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	21971		
141	86.2		71.4	107.2
115	36.6		28.7	43.1





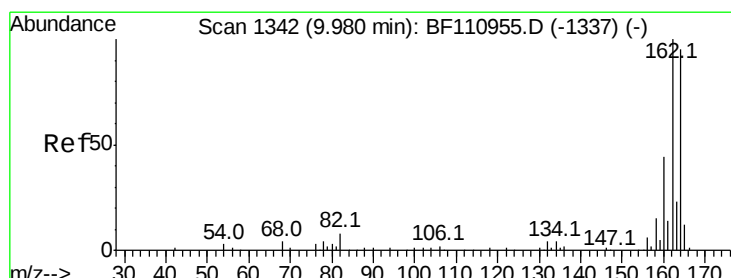
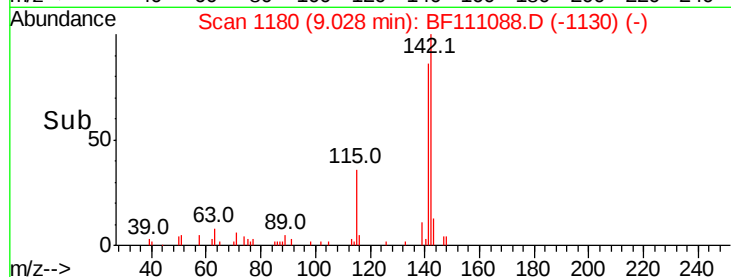
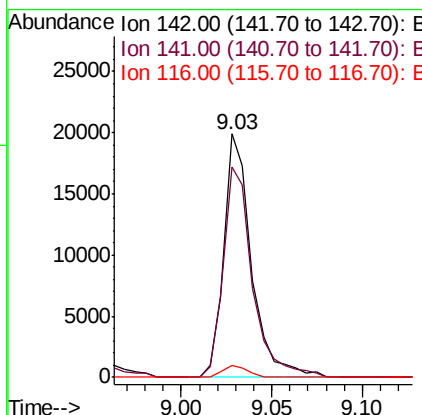
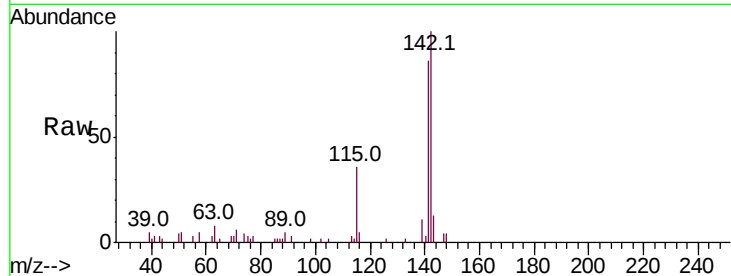
#38
1-Methylnaphthalene
Concen: 2.603 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

Instrument :
BNA_F
ClientSampled :
SS-02

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.4	74.2	111.4
116	4.7	2.6	4.0

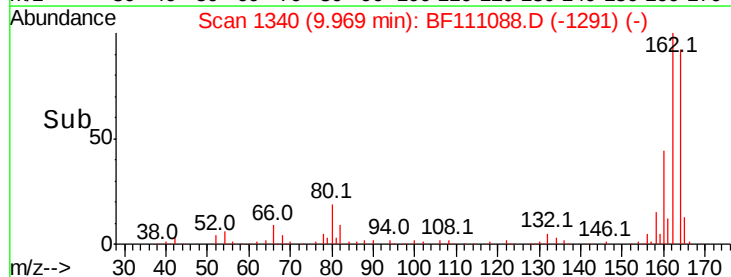
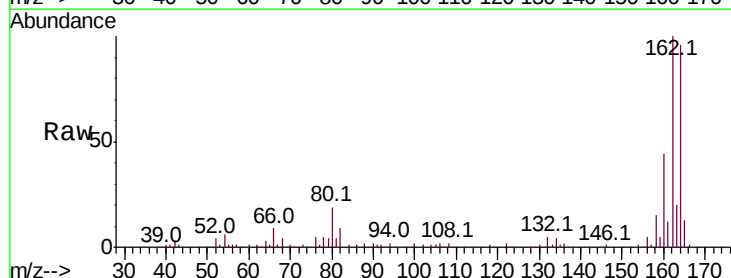
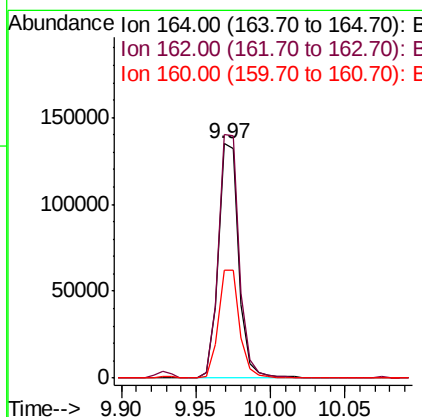
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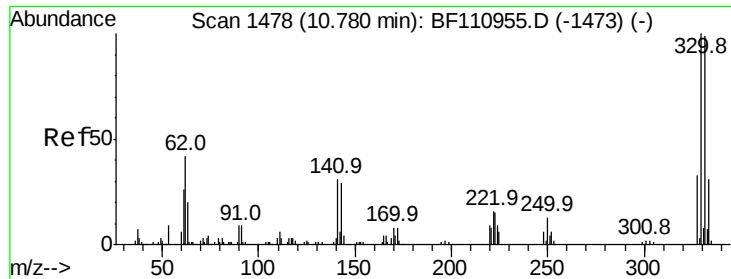
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.0	124.6
160	46.2	37.0	55.6





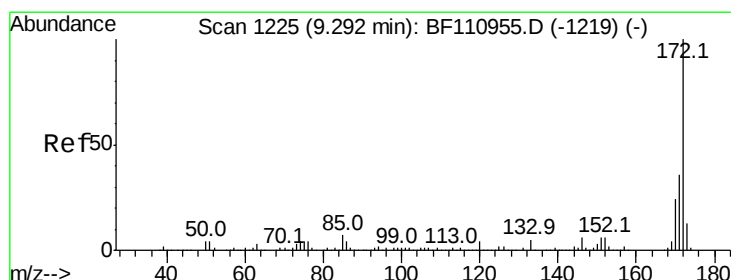
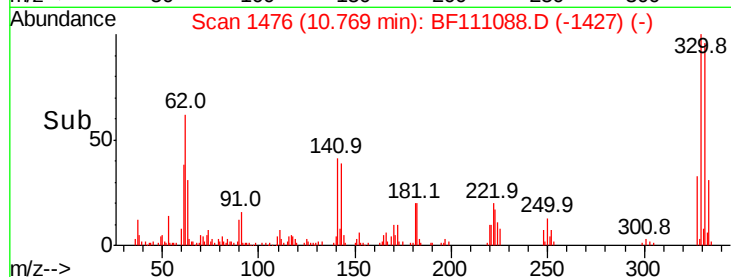
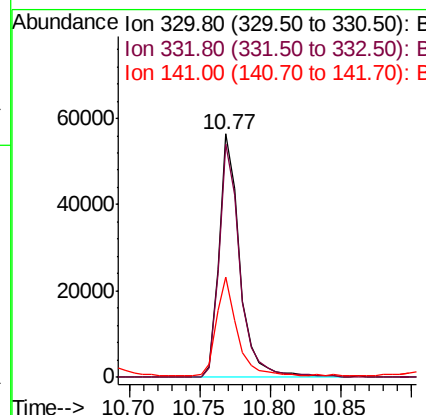
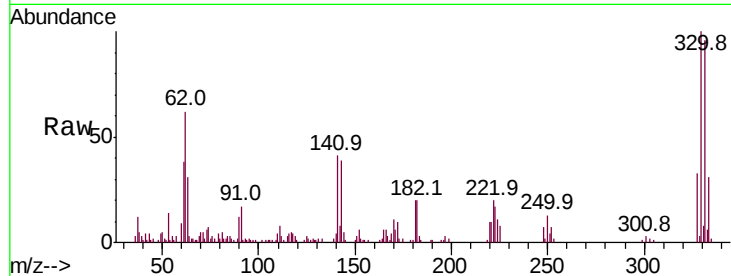
#42
 2,4,6-Tribromophenol
 Concen: 44.486 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF111088.D
 Acq: 29 Nov 2018 14:00

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	39.8	27.0	40.4

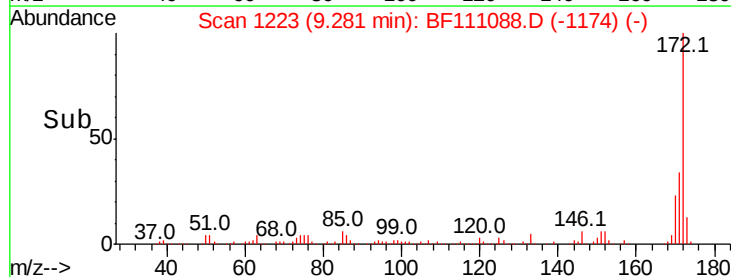
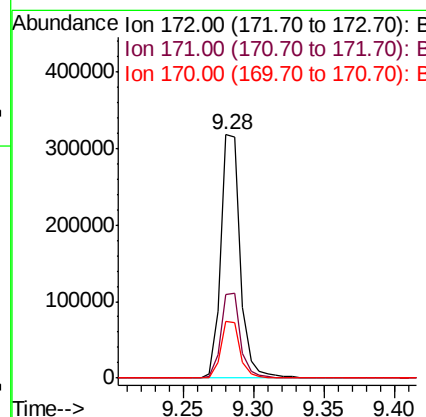
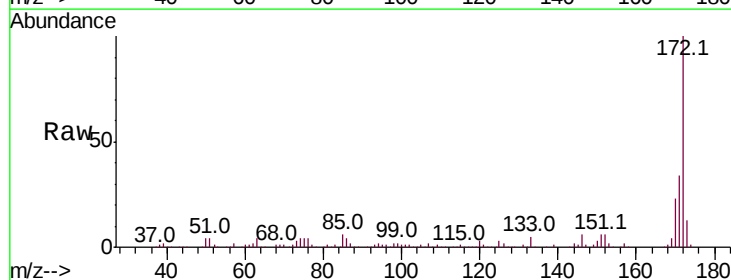
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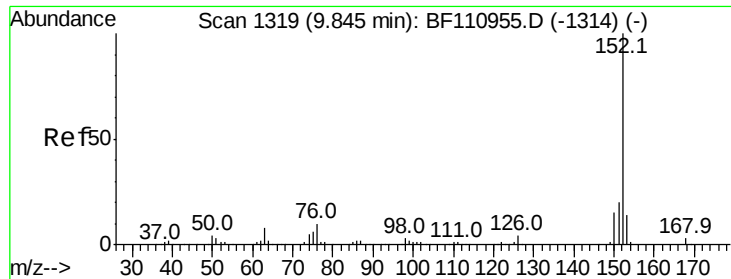
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#45
 2-Fluorobiphenyl
 Concen: 34.054 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF111088.D
 Acq: 29 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.6	43.0
170	23.2	19.7	29.5





#49

Acenaphthylene

Concen: 12.821 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF111088.D

Acq: 29 Nov 2018 14:00

Instrument :

BNA_F

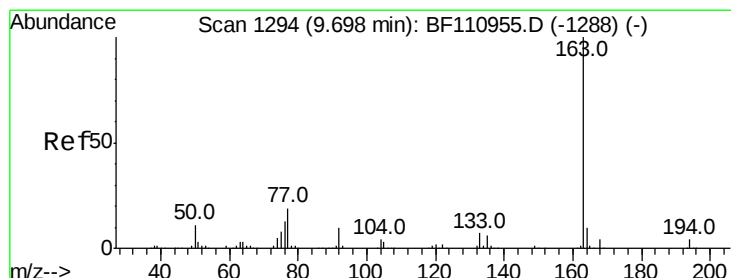
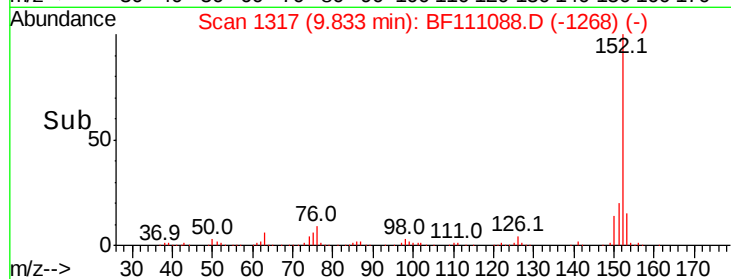
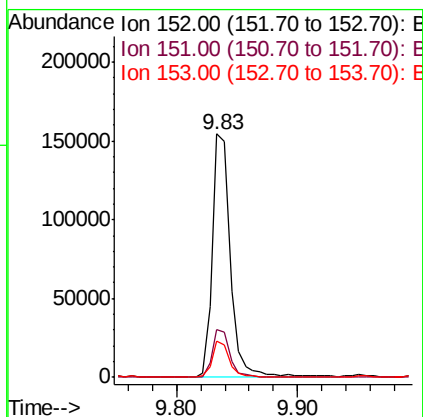
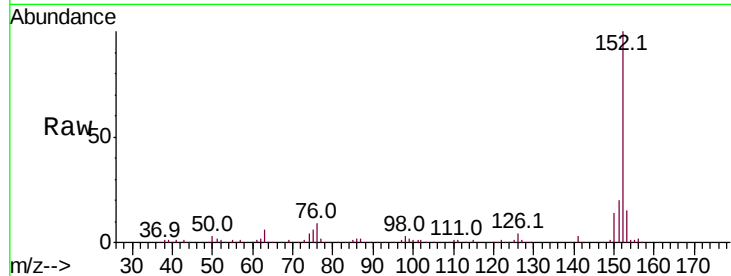
ClientSampleId :

SS-02

Tot Ion:	152	Resp:	158831
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.8	23.8
153	14.9	10.4	15.6

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#50

Dimethylphthalate

Concen: 5.230 ng

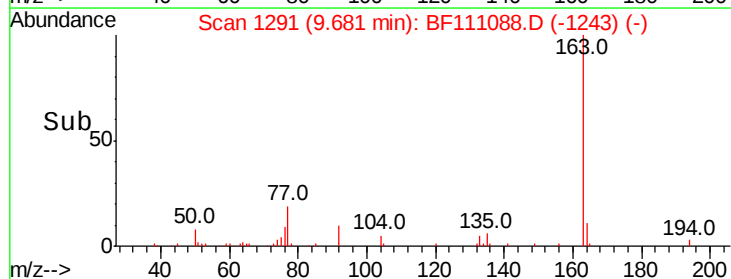
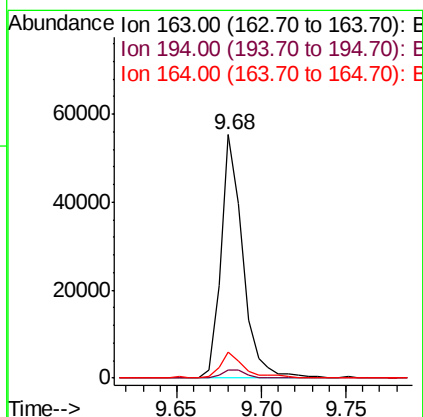
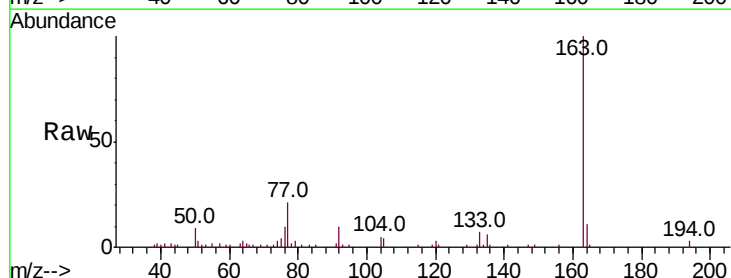
RT: 9.68 min Scan# 1291

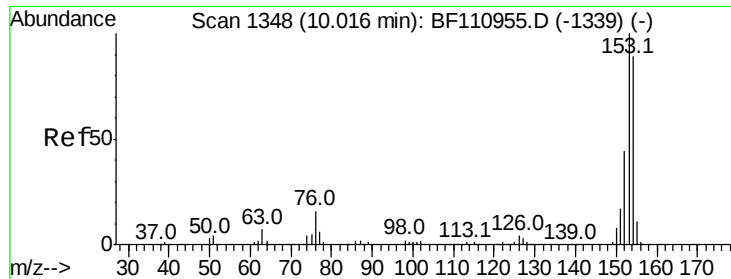
Delta R.T. -0.02 min

Lab File: BF111088.D

Acq: 29 Nov 2018 14:00

Tgt Ion:	163	Resp:	49991
Ion Ratio	Lower	Upper	
163	100		
194	3.4	3.2	4.8
164	10.6	8.1	12.1





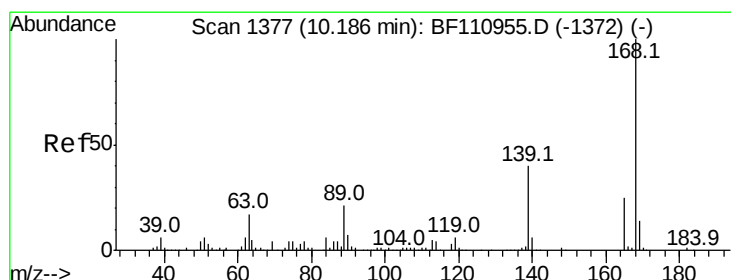
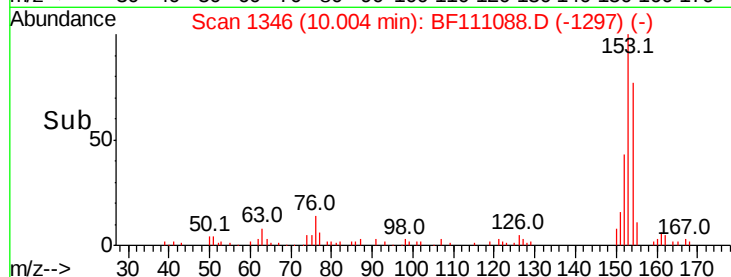
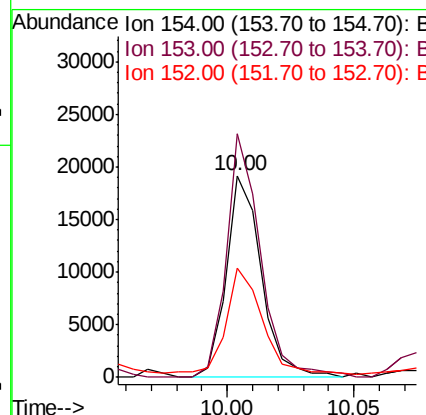
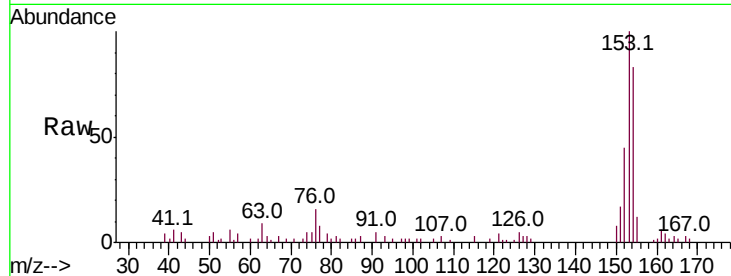
#52
Acenaphthene
Concen: 2.325 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

Instrument :
BNA_F
ClientSampleId :
SS-02

Tot Ion	Ratio	Lower	Upper
154	100		
153	120.9	90.1	135.1
152	54.5	43.4	65.2

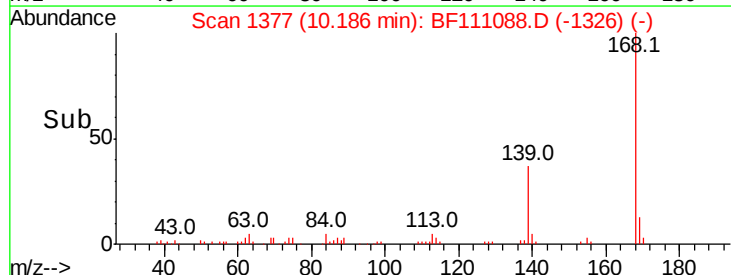
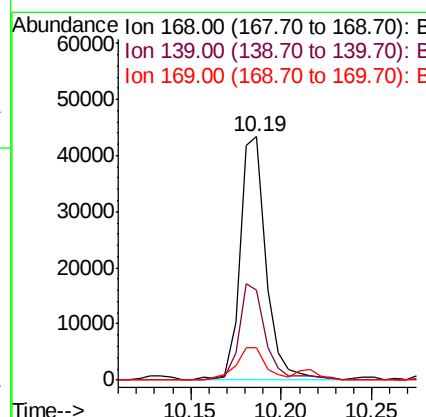
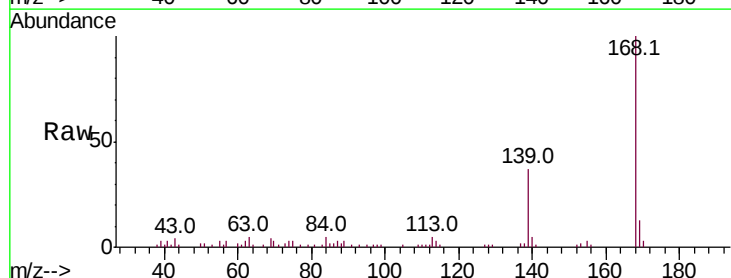
Manual Integrations
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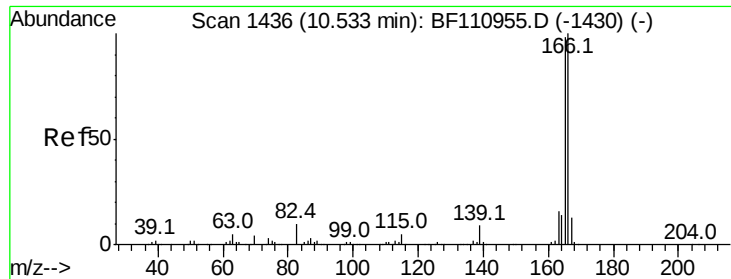
mohammad
11/30/2018 3:49:27 PM



#55
Dibenzofuran
Concen: 3.749 ng
RT: 10.19 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.0	33.0	49.6
169	13.2	11.3	16.9





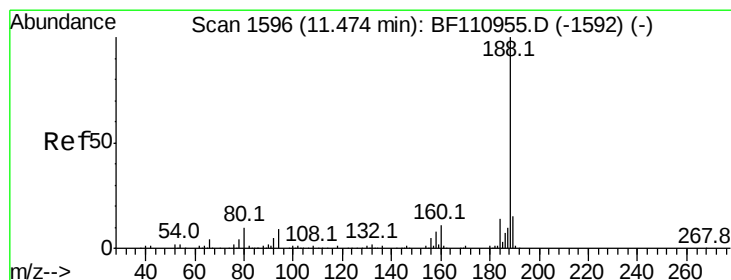
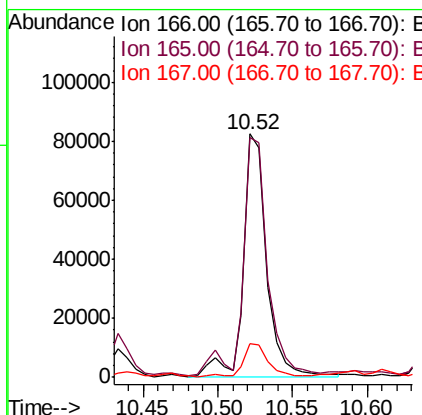
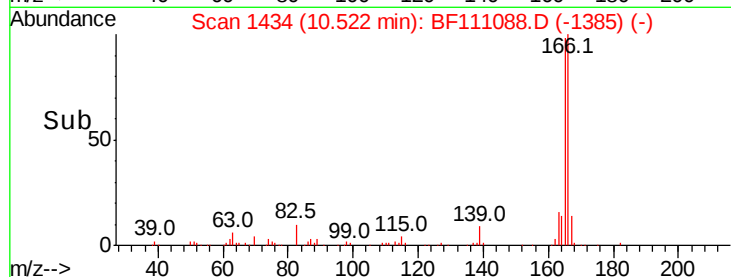
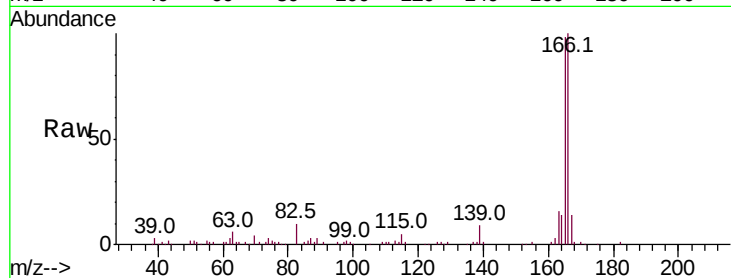
#58
 Fluorene
 Concen: 9.950 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF111088.D
 Acq: 29 Nov 2018 14:00

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.6	117.8
167	14.0	10.8	16.2

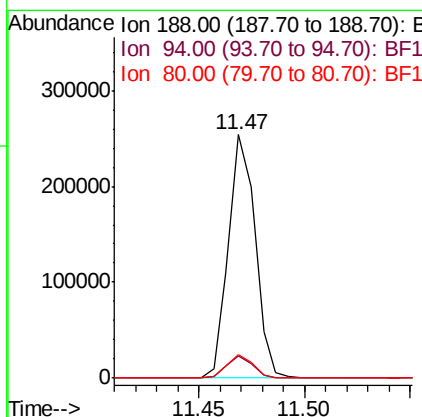
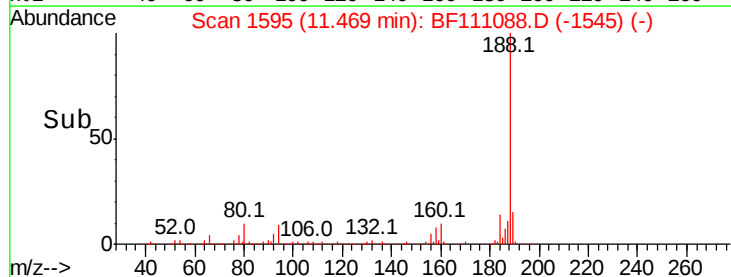
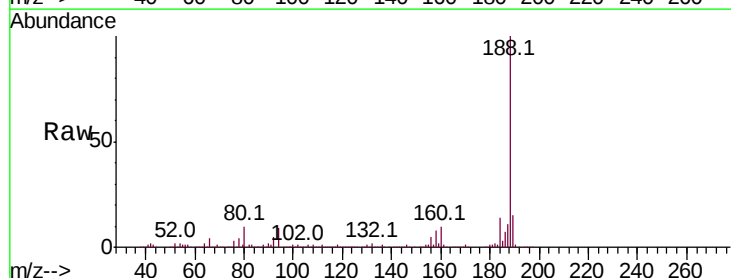
Manual Integrations
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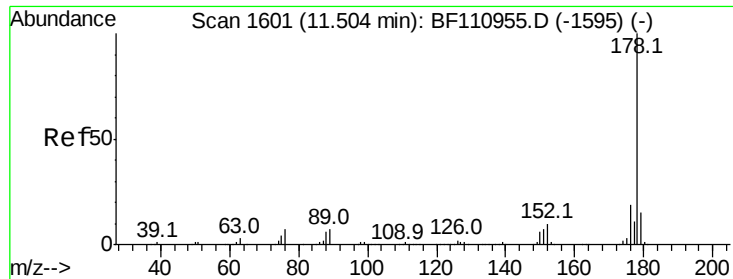
mohammad
 11/30/2018 3:49:27 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF111088.D
 Acq: 29 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.2	10.8
80	9.6	7.9	11.9





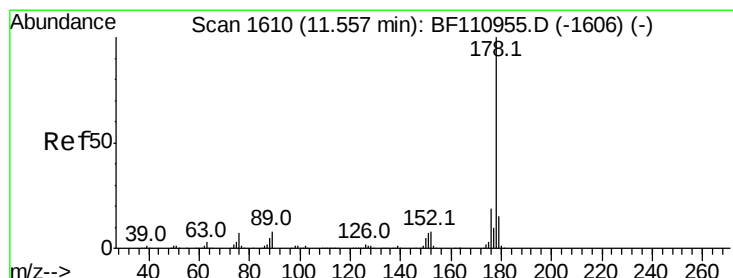
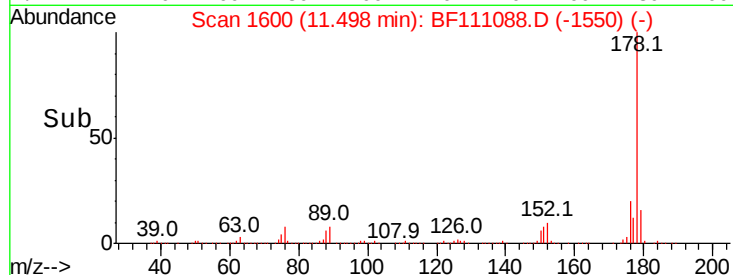
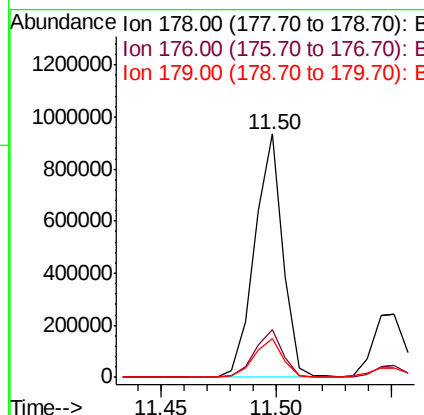
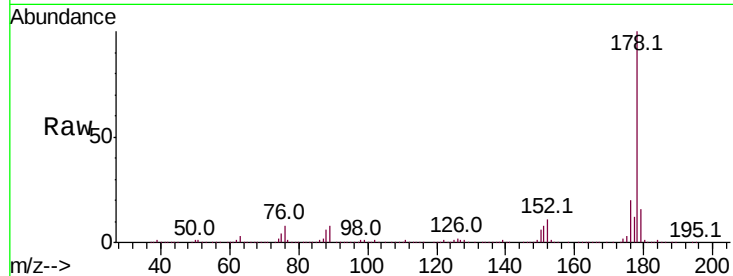
#71
Phenanthrene
Concen: 67.331 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

Instrument :
BNA_F
ClientSampleId :
SS-02

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.8	12.5	18.7

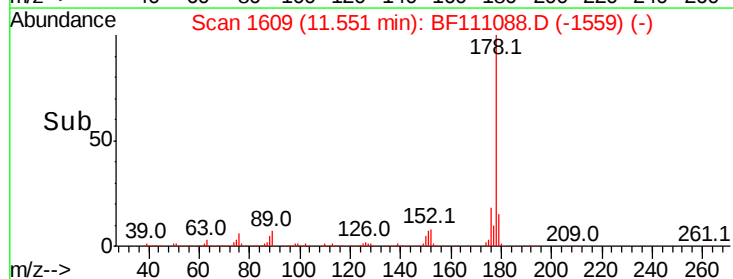
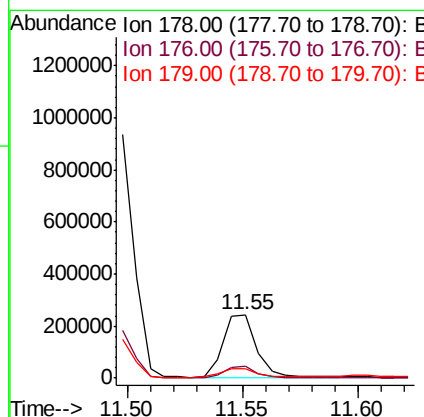
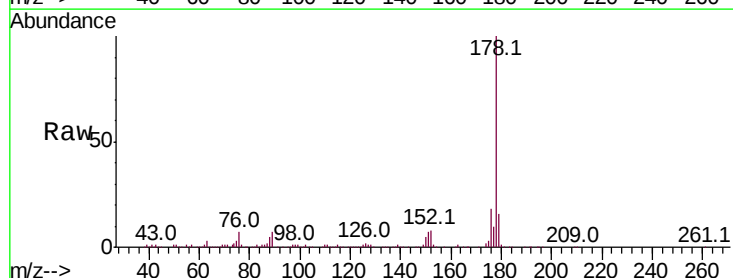
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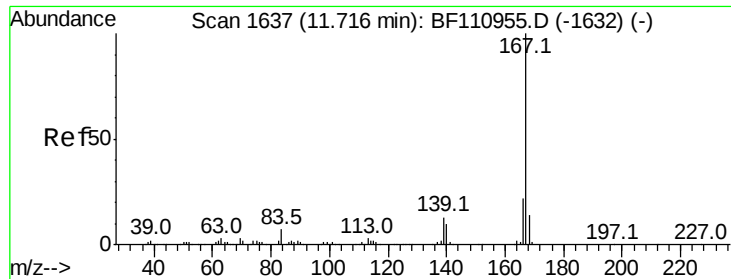
mohammad
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#72
Anthracene
Concen: 20.071 ng
RT: 11.55 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.6	12.6	18.8





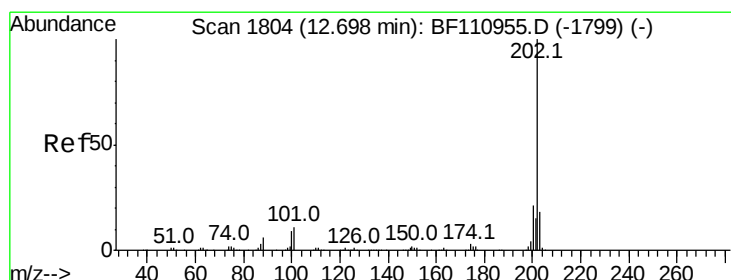
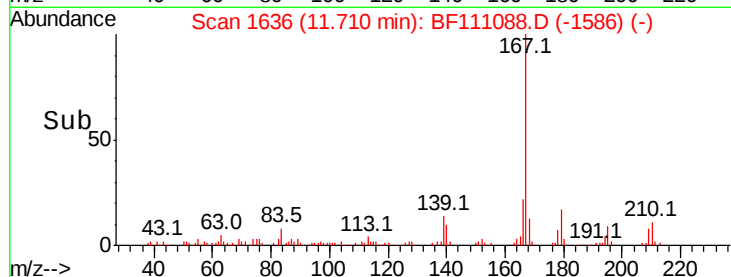
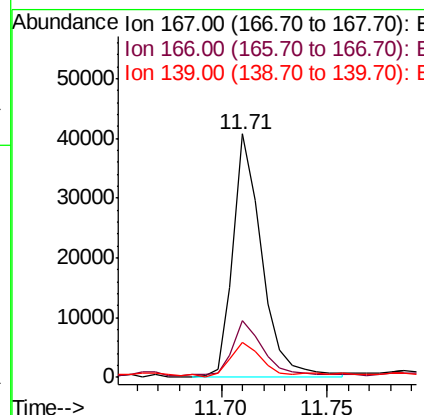
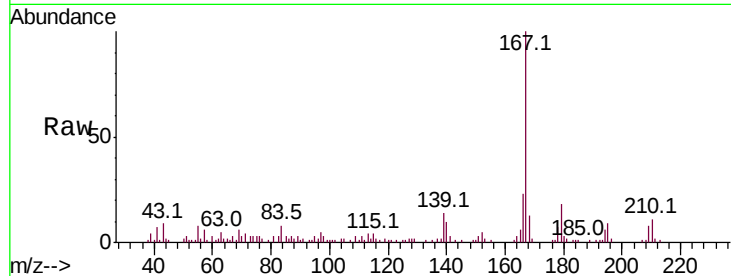
#73
 Carbazole
 Concen: 3.327 ng
 RT: 11.71 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF111088.D
 Acq: 29 Nov 2018 14:00

Instrument :
 BNA_F
 ClientSampled :
 SS-02

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.4	26.0
139	14.2	10.9	16.3

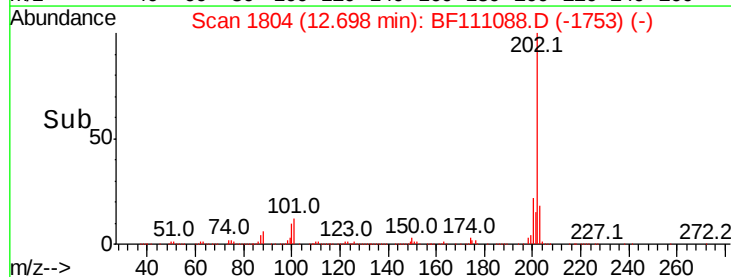
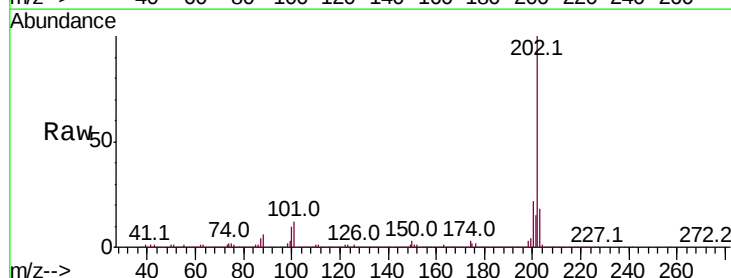
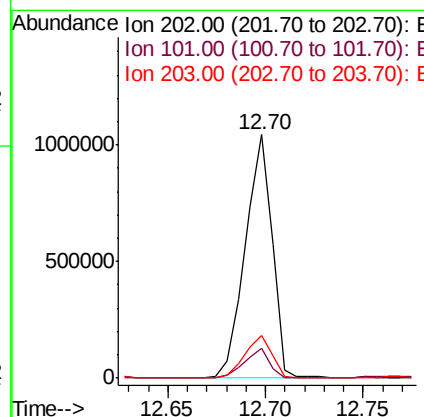
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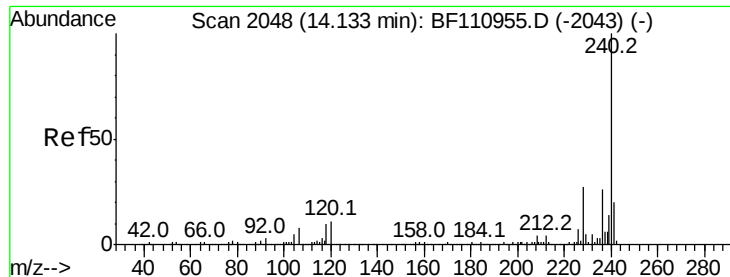
mohammad
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#75
 Fluoranthene
 Concen: 82.315 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: BF111088.D
 Acq: 29 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.4
203	17.8	0.0	37.7





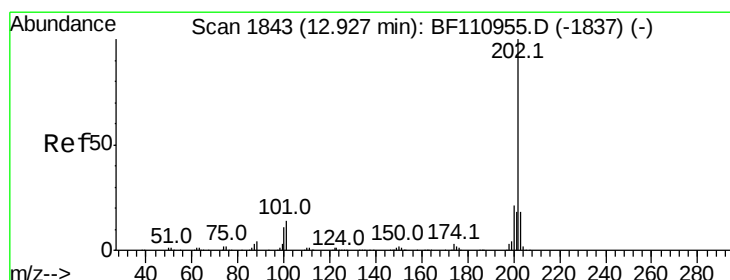
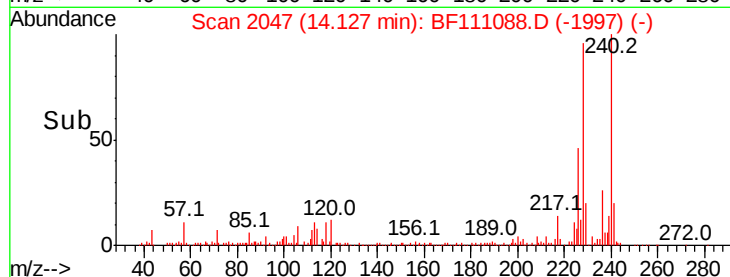
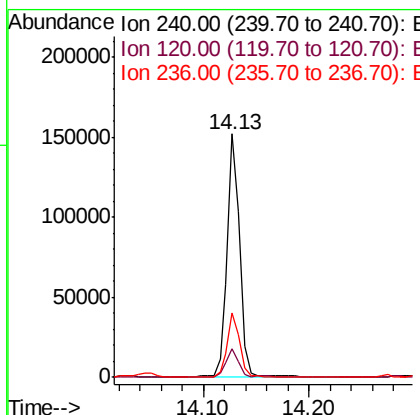
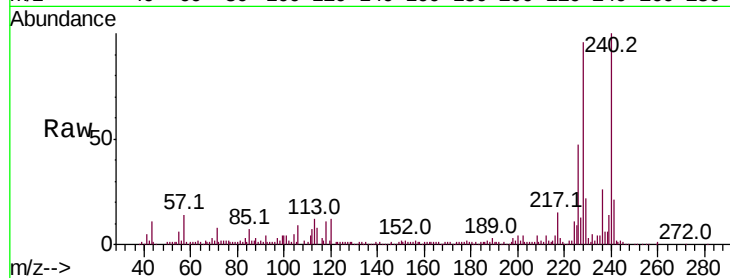
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

Instrument :
BNA_F
ClientSampleId :
SS-02

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.3	12.5
236	26.4	21.2	31.8

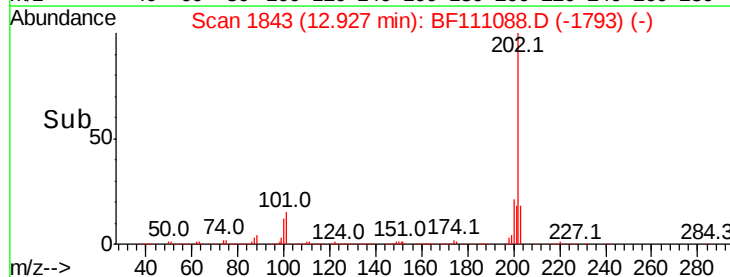
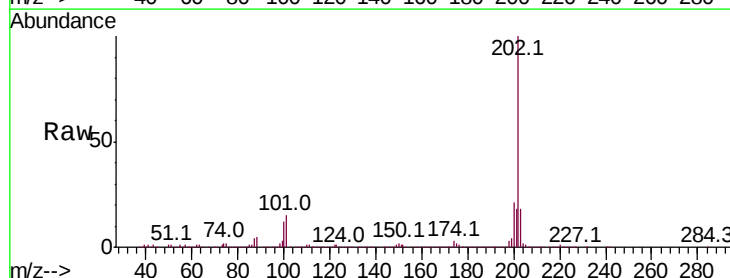
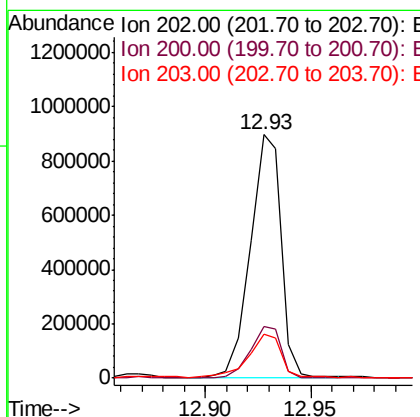
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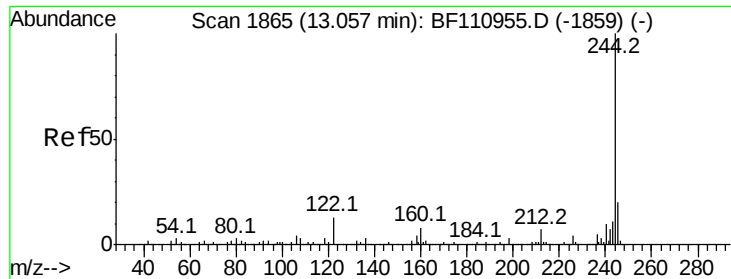
mohammad
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#78
Pyrene
Concen: 97.260 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.8	26.6
203	18.0	14.2	21.4





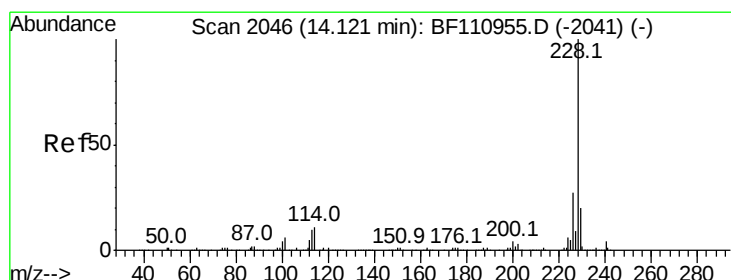
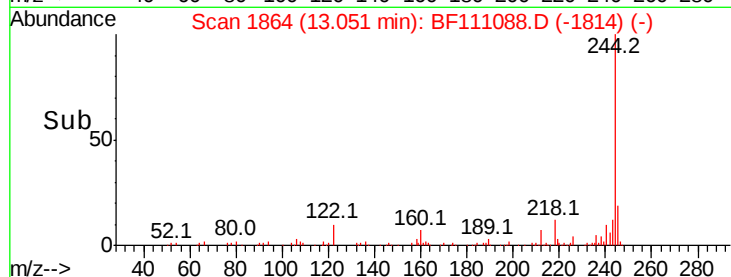
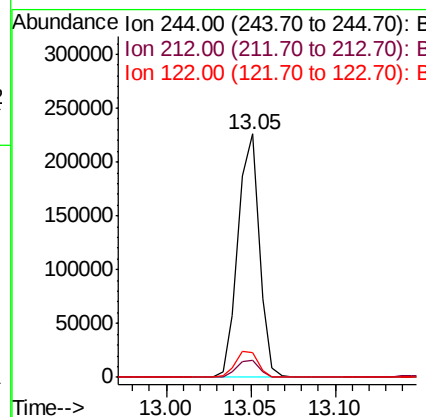
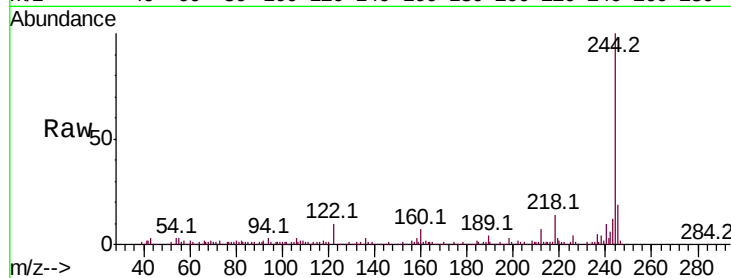
#79
 Terphenyl-d14
 Concen: 30.300 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF111088.D
 Acq: 29 Nov 2018 14:00

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	10.3	8.7	13.1

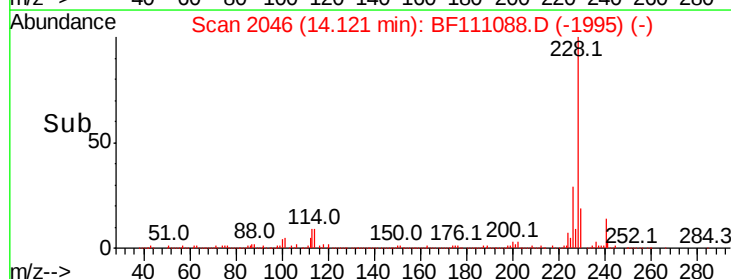
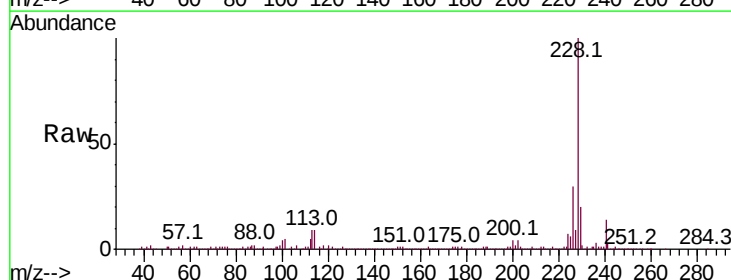
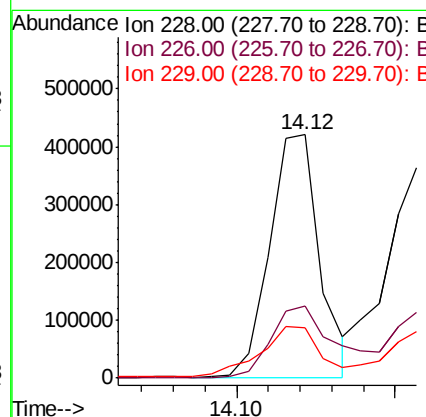
Manual Integrations
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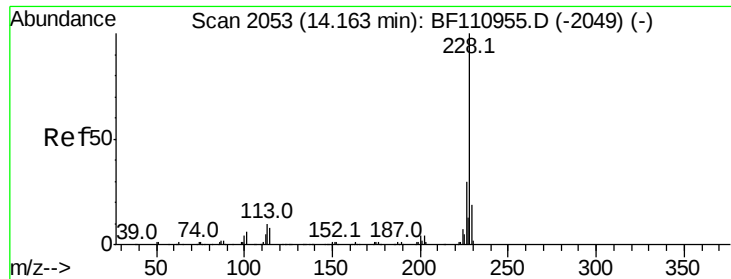
mohammad
 11/30/2018 3:49:27 PM



#81
 Benzo(a)anthracene
 Concen: 60.949 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: BF111088.D
 Acq: 29 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.1	33.1
229	20.5	15.6	23.4





#83

Chrysene

Concen: 49.305 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF111088.D

Acq: 29 Nov 2018 14:00

Instrument :

BNA_F

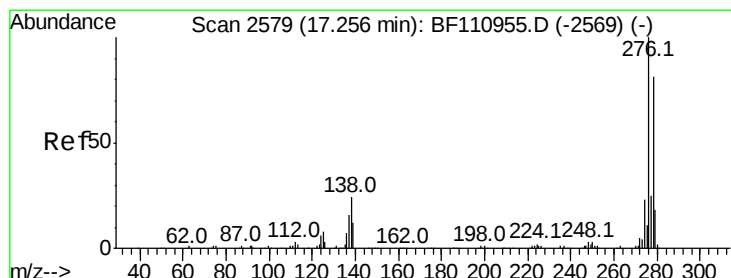
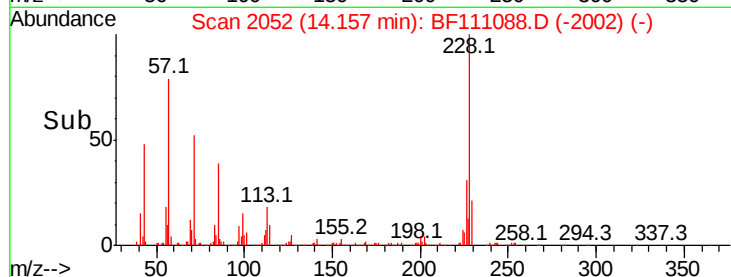
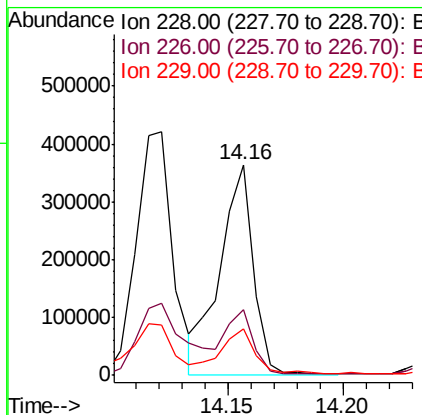
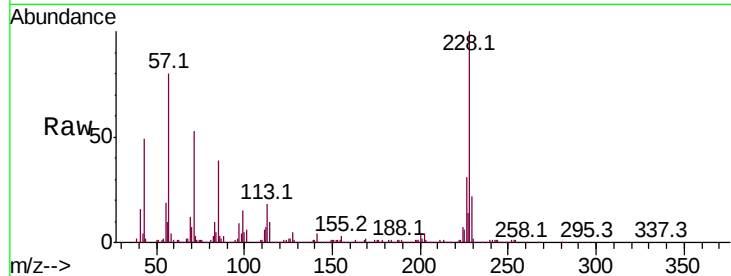
ClientSampled :

SS-02

Tot Ion:	228	Resp:	364997
Ion Ratio	Lower	Upper	
228	100		
226	31.3	24.7	37.1
229	22.2	15.9	23.9

Manual Integrations
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mohammad
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#86

Indeno(1,2,3-cd)pyrene

Concen: 34.391 ng

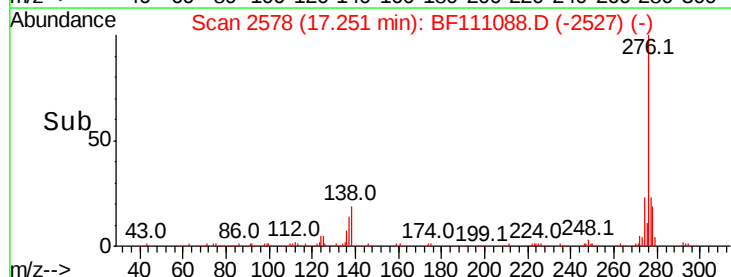
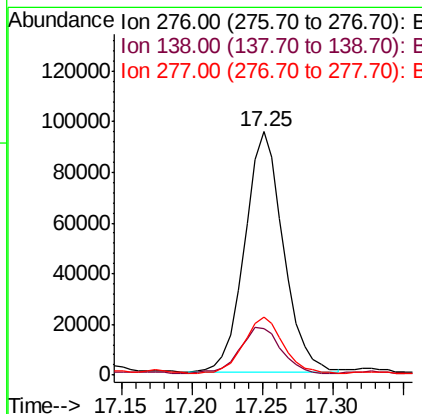
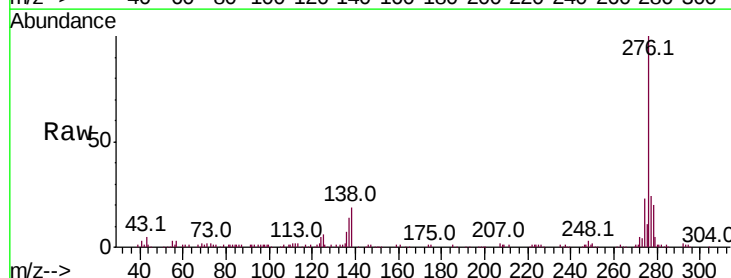
RT: 17.25 min Scan# 2578

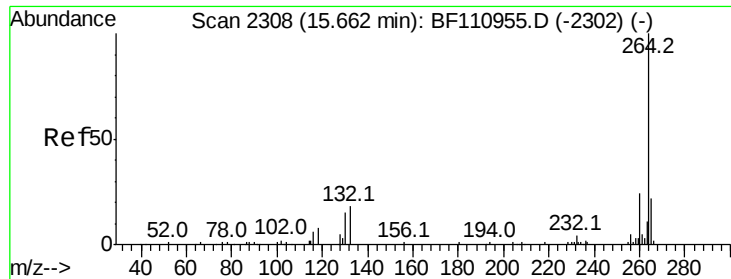
Delta R.T. 0.00 min

Lab File: BF111088.D

Acq: 29 Nov 2018 14:00

Tgt Ion:	276	Resp:	182744
Ion Ratio	Lower	Upper	
276	100		
138	20.1	18.5	27.7
277	23.4	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

Delta R.T. -0.01 min

Lab File: BF111088.D

Acq: 29 Nov 2018 14:00

Instrument :

BNA_F

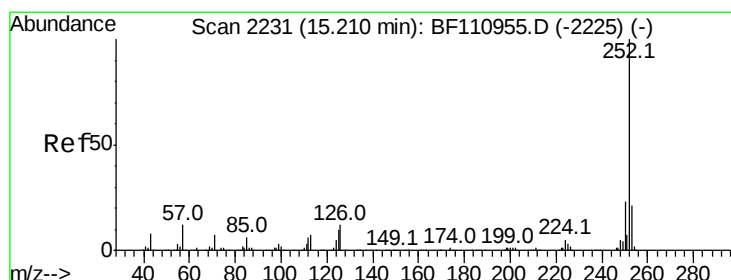
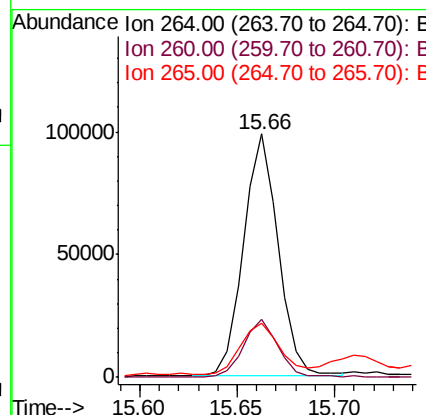
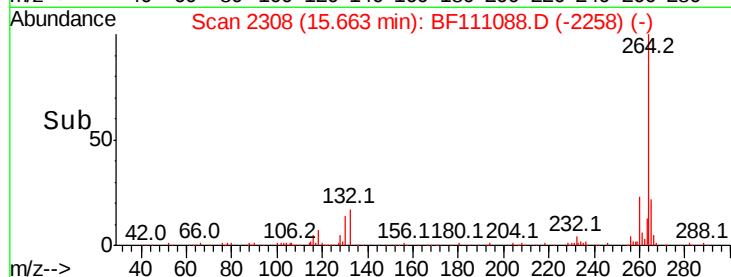
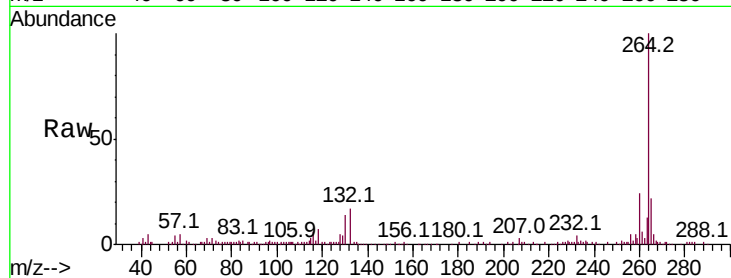
ClientSampled :

SS-02

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	22.3	16.7	25.1

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#88

Benzo(b)fluoranthene

Concen: 76.565 ng m

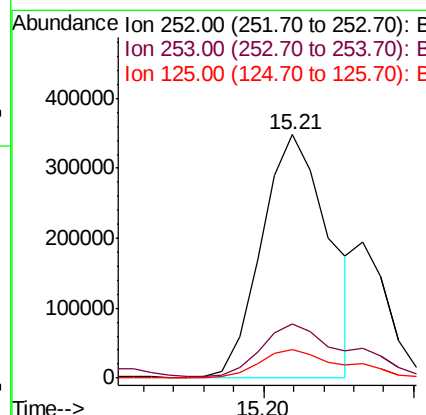
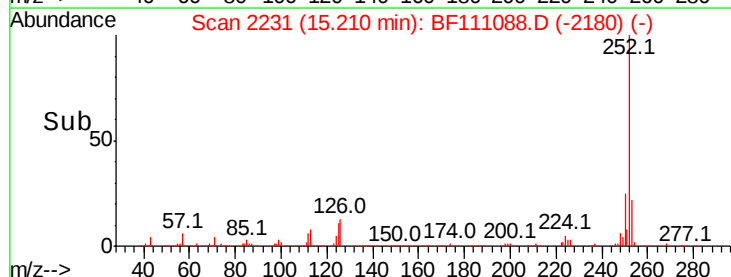
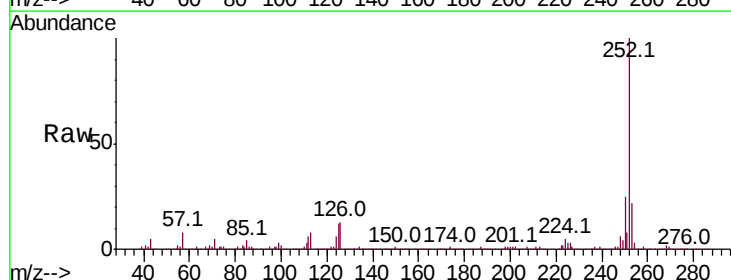
RT: 15.21 min Scan# 2231

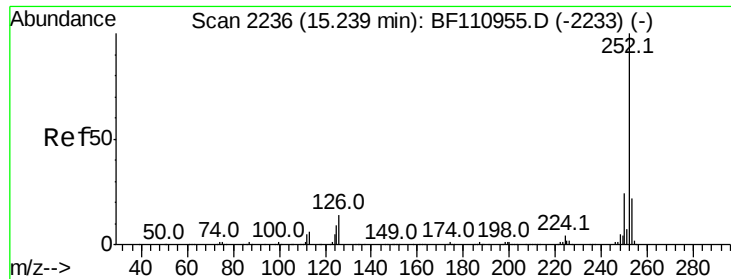
Delta R.T. 0.00 min

Lab File: BF111088.D

Acq: 29 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	11.5	8.2	12.4





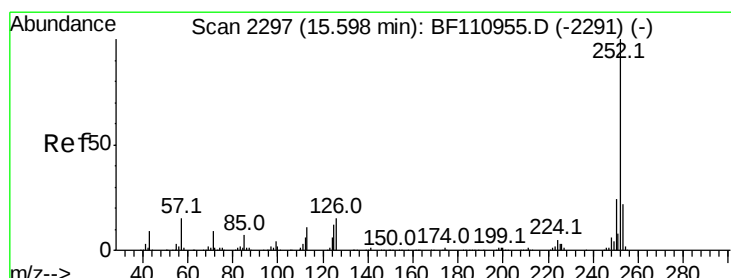
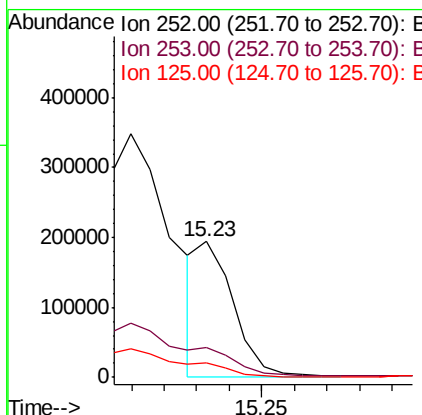
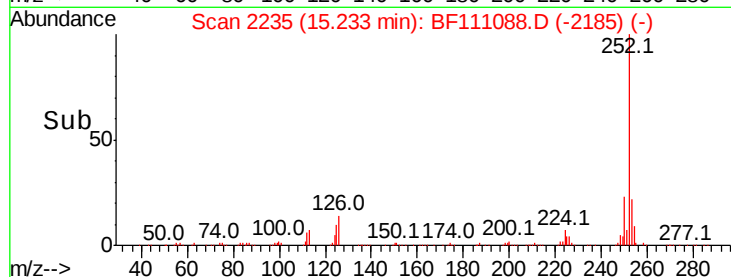
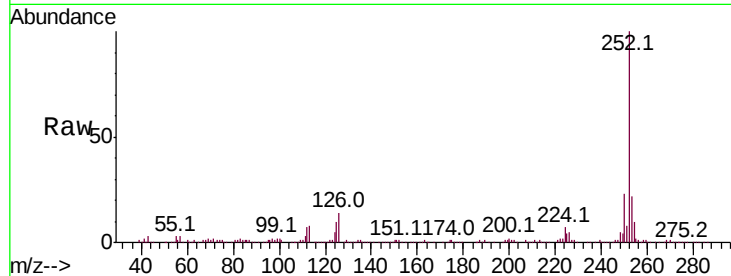
#89
Benzo(k)fluoranthene
Concen: 20.201 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

Instrument :
BNA_F
ClientSampled :
SS-02

Tot Ion:	252	Resp:	148650
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.2	25.8
125	10.2	7.4	11.0

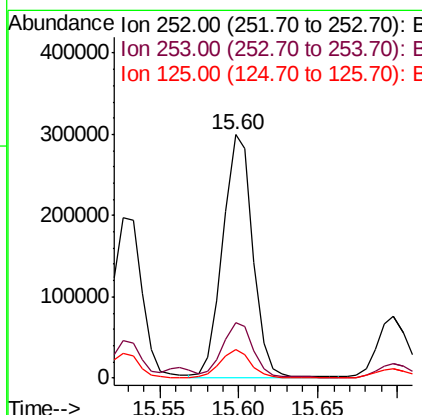
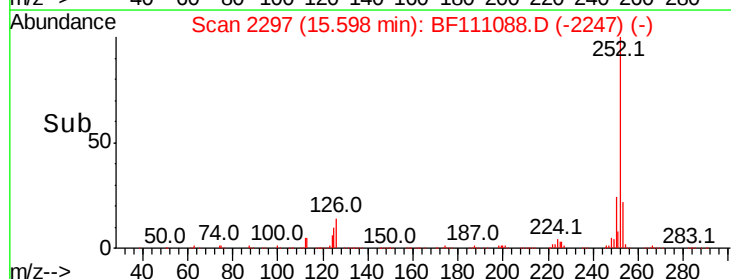
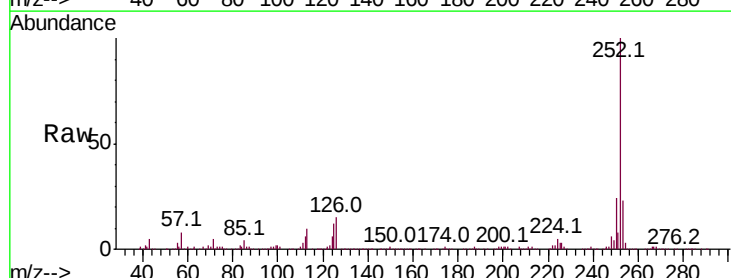
Manual Integrations
APPROVED

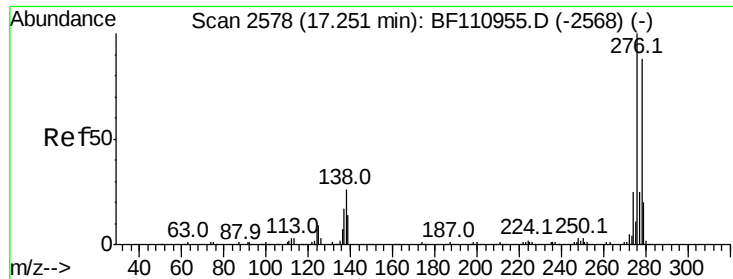
mohammad
11/30/2018 3:49:27 PM



#90
Benzo(a)pyrene
Concen: 58.857 ng
RT: 15.60 min Scan# 2297
Delta R.T. -0.01 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

Tgt Ion:	252	Resp:	391682
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.2	27.4
125	12.0	9.0	13.6





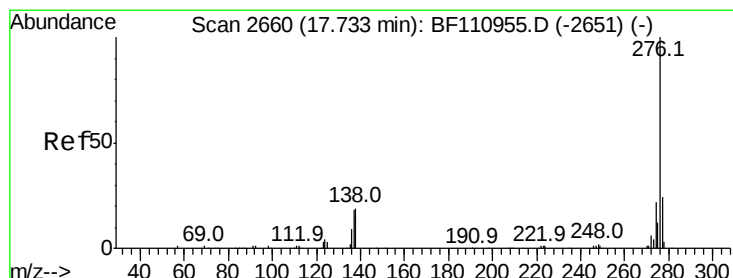
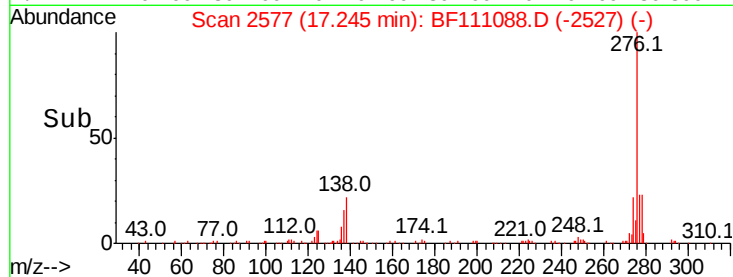
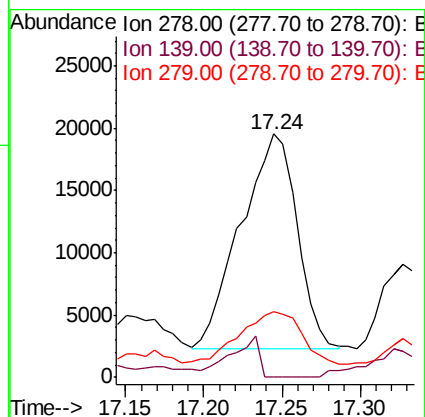
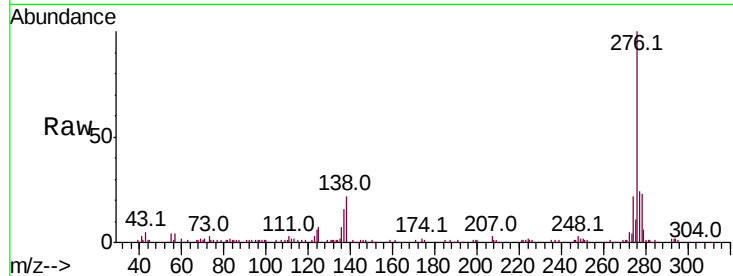
#91
Dibenzo(a,h)anthracene
Concen: 7.837 ng m
RT: 17.24 min Scan# 2577
Delta R.T. -0.01 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

Instrument :
BNA_F
ClientSampleId :
SS-02

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	27.1	19.0	28.4

Manual Integrations
APPROVED

mohammad
11/30/2018 3:49:27 PM



#92
Benzo(g,h,i)perylene
Concen: 30.049 ng
RT: 17.73 min Scan# 2660
Delta R.T. -0.01 min
Lab File: BF111088.D
Acq: 29 Nov 2018 14:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	22.0	16.0	24.0

