

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
 Data File : BF117993.D
 Acq On : 26 Nov 2019 4:05
 Operator : JU
 Sample : K5676-31 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-112219

Manual Integrations
 APPROVED

mohammad
 11/26/2019 12:49:30 PM

Quant Time: Nov 26 07:07:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	162521	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	594092	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	304523	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	446635	20.00	ng	0.00
76) Chrysene-d12	14.09	240	268530	20.00	ng	0.00
87) Perylene-d12	15.59	264	326899	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	399074	43.47	ng	0.00
7) Phenol-d6	6.51	99	568048	51.29	ng	-0.01
23) Nitrobenzene-d5	7.45	82	316687	31.69	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	102142	31.68	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	631079	37.18	ng	0.00
79) Terphenyl-d14	13.02	244	438191	29.82	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.89	142	37630	2.011	ng	Qvalue 97
38) 1-Methylnaphthalene	8.99	142	45259	2.558	ng	100
50) Dimethylphthalate	9.65	163	114798	5.376	ng	97
58) Fluorene	10.49	166	59893	3.215	ng	98
71) Phenanthrene	11.46	178	391177	17.420	ng	98
72) Anthracene	11.51	178	115252	5.177	ng	97
75) Fluoranthene	12.65	202	371352	12.771	ng	99
78) Pyrene	12.89	202	410769	18.928	ng	98
81) Benzo(a)anthracene	14.07	228	156003	8.791	ng	97
83) Chrysene	14.11	228	129319	7.521	ng	97
86) Indeno(1,2,3-cd)pyrene	17.11	276	48817	3.336	ng	# 94
88) Benzo(b)fluoranthene	15.14	252	175197m	8.249	ng	
89) Benzo(k)fluoranthene	15.17	252	56155m	2.806	ng	
90) Benzo(a)pyrene	15.52	252	133307	7.138	ng	# 95
92) Benzo(a,h,i)perylene	17.57	276	46098	2.879	ng	97

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

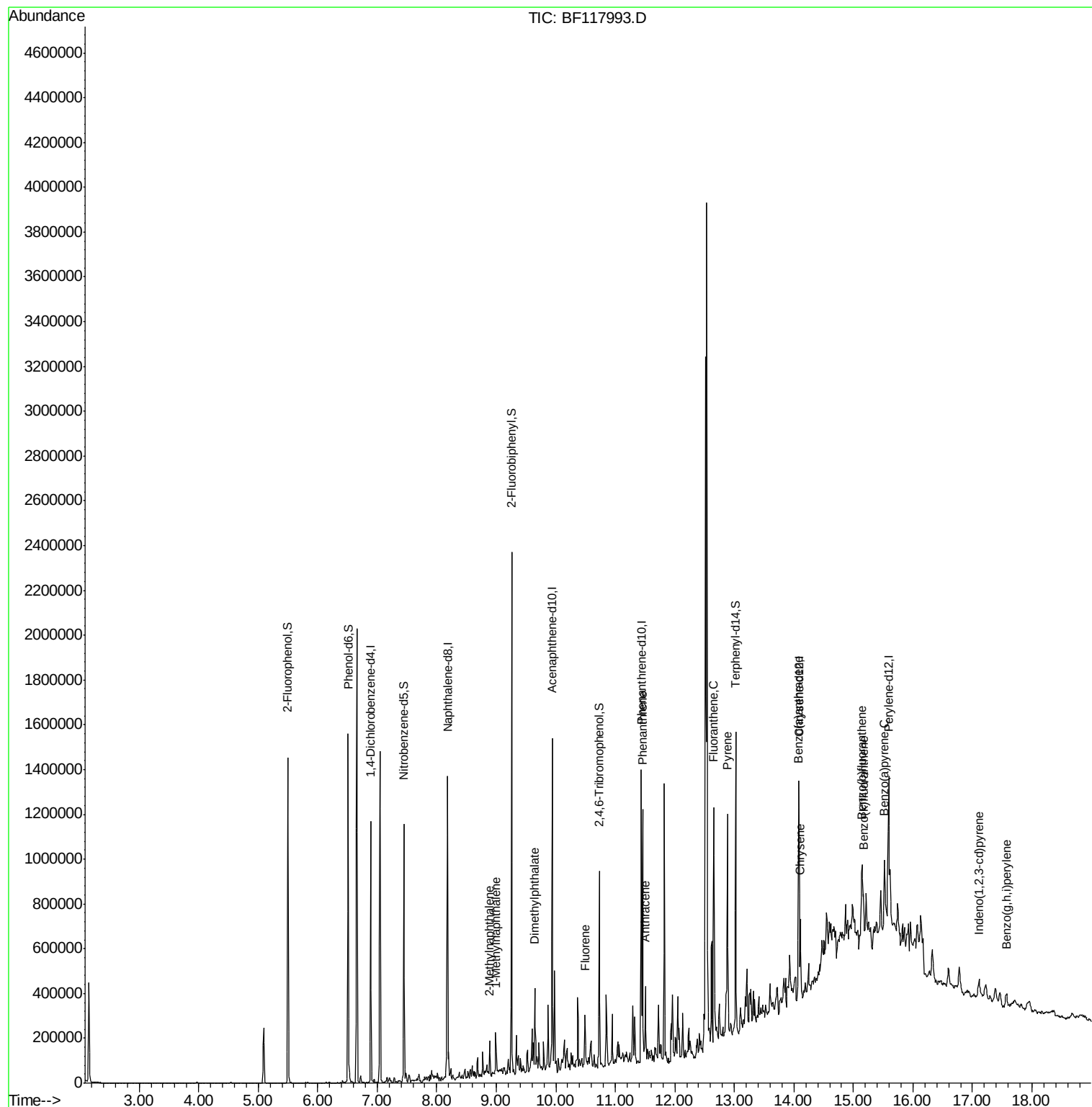
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
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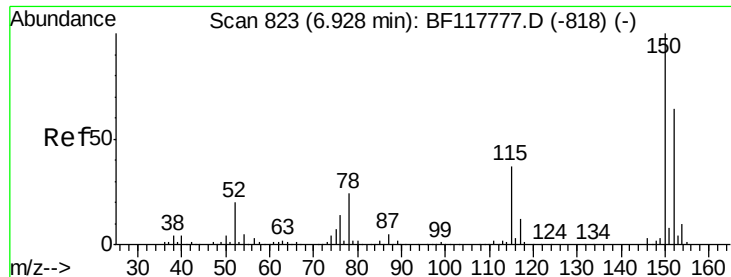
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#1

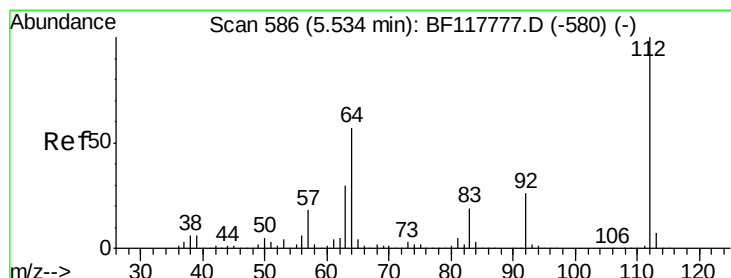
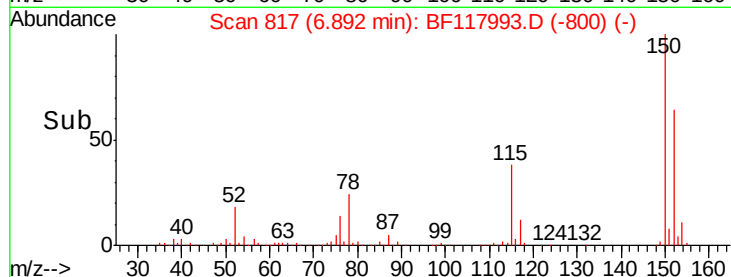
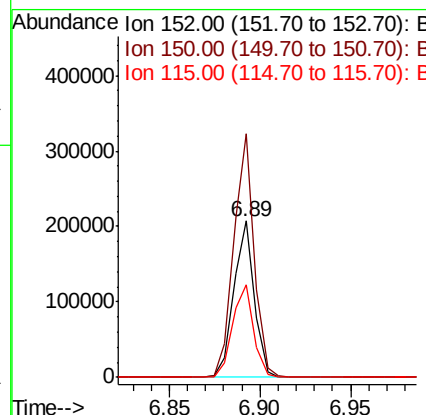
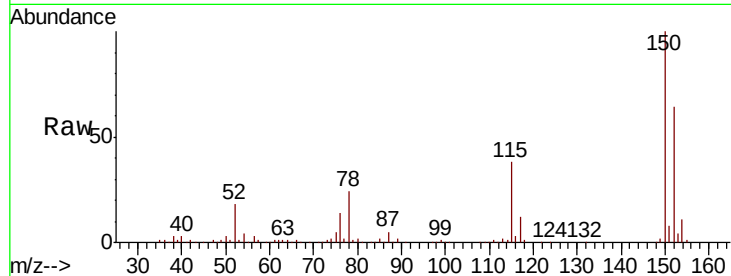
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Instrument :
BNA_F
ClientSampleId :
SU-04-112219

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.3	187.9
115	59.2	47.0	70.4

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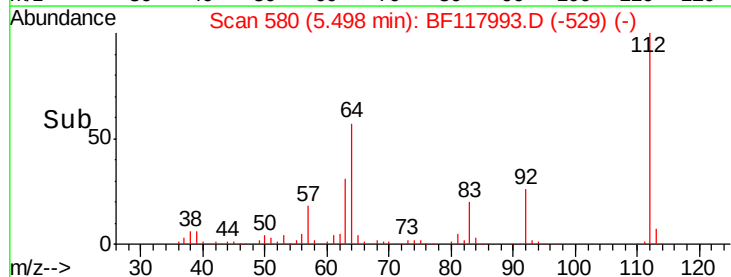
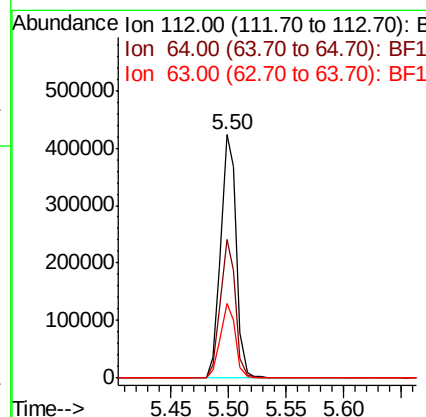
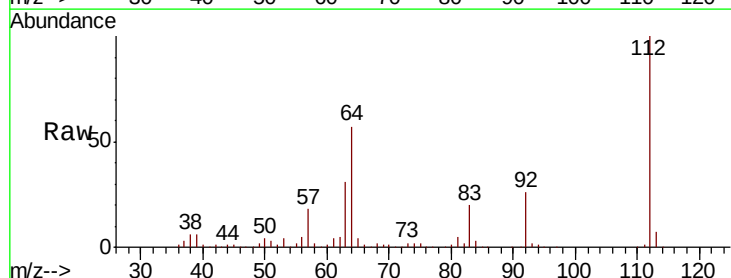
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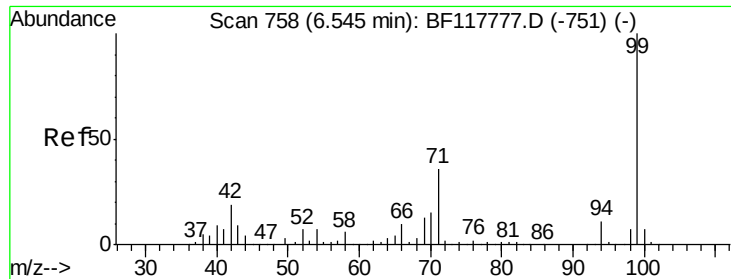


#5

2-Fluorophenol
Concen: 43.465 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	45.6	68.4
63	30.6	24.1	36.1





#7

Phenol-d6

Concen: 51.294 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF117993.D

Acq: 26 Nov 2019 4:05

Instrument :

BNA_F

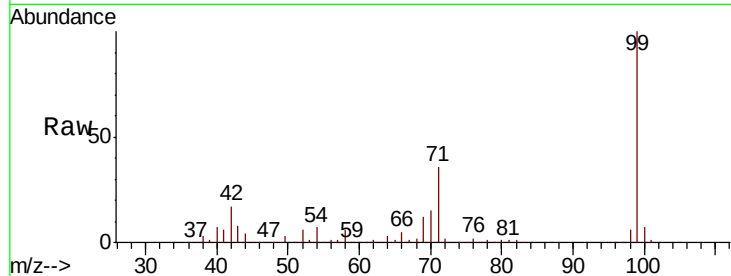
ClientSampleId :

SU-04-112219

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		568048		
42	17.3	14.9	22.3		
71	36.2	28.6	43.0		

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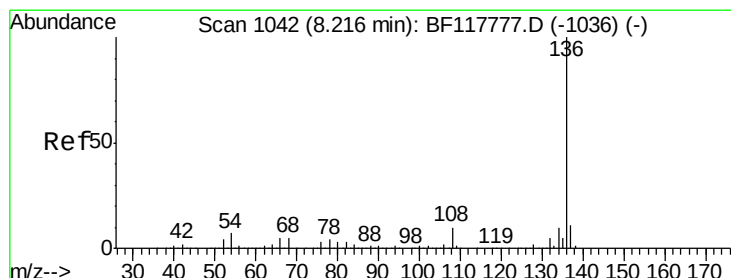
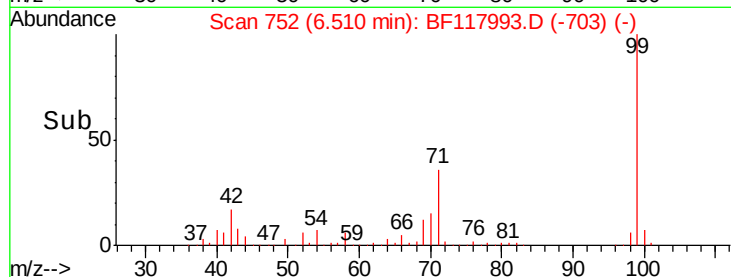
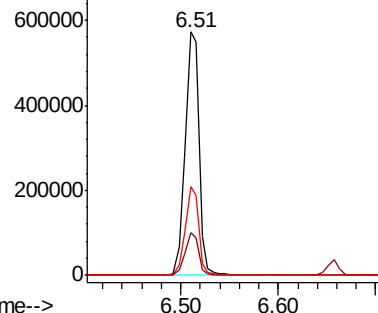


Abundance

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: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF117993.D

Acq: 26 Nov 2019 4:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		594092		
137	10.9	9.0	13.4		
54	6.3	5.4	8.2		
68	5.0	4.3	6.5		

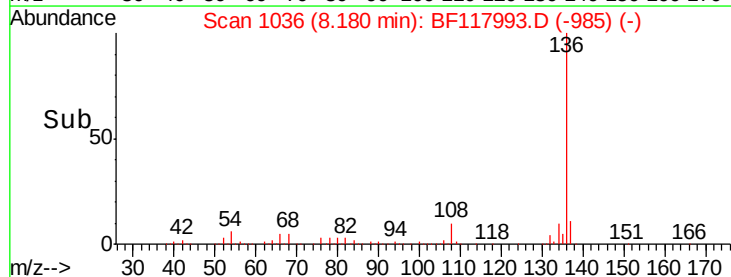
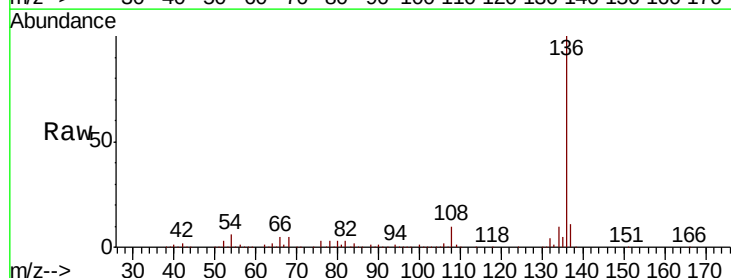
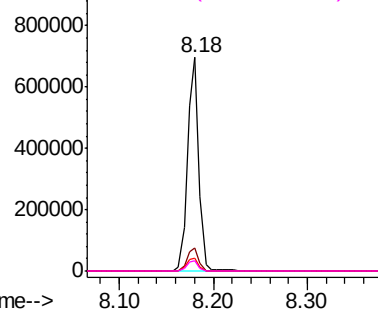
Abundance

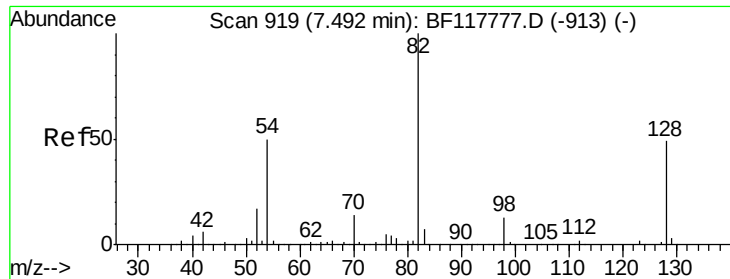
Ion 136.00 (135.70 to 136.70): E

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





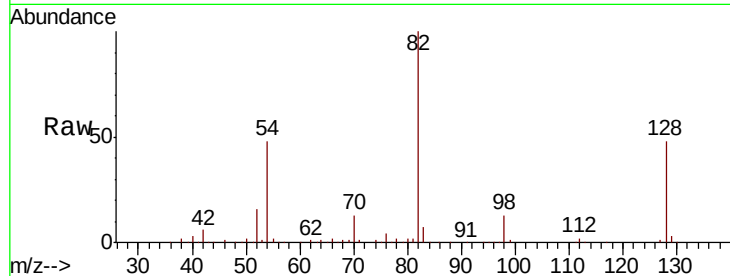
#23
Nitrobenzene-d5
Concen: 31.688 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Instrument :
BNA_F
ClientSampleId :
SU-04-112219

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	38.9	58.3
54	47.6	39.8	59.6

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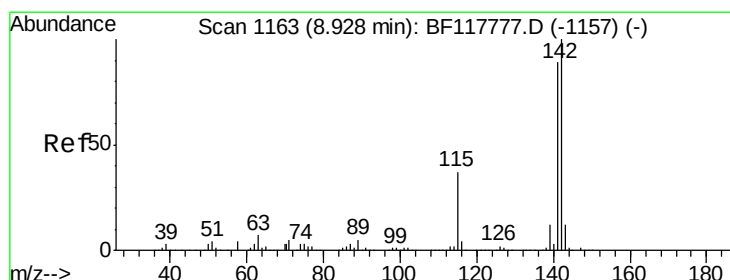
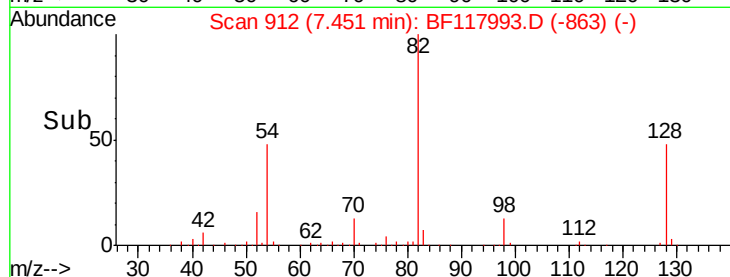
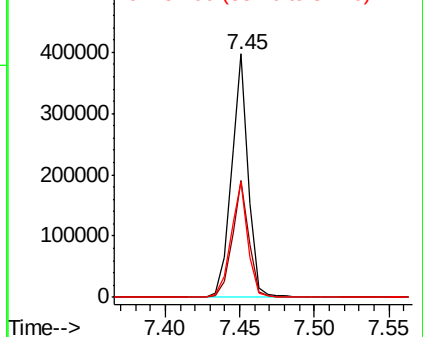


Abundance

Ion 82.00 (81.70 to 82.70): BF1

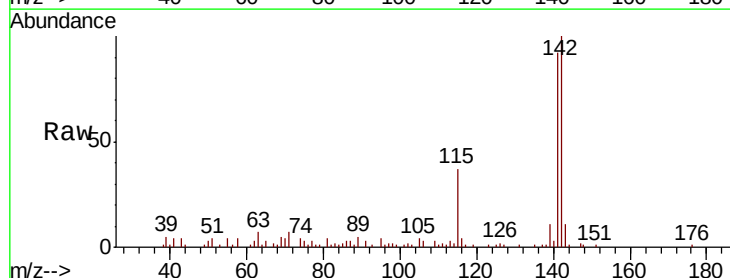
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#37
2-Methylnaphthalene
Concen: 2.011 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	71.1	106.7
115	36.7	29.2	43.8

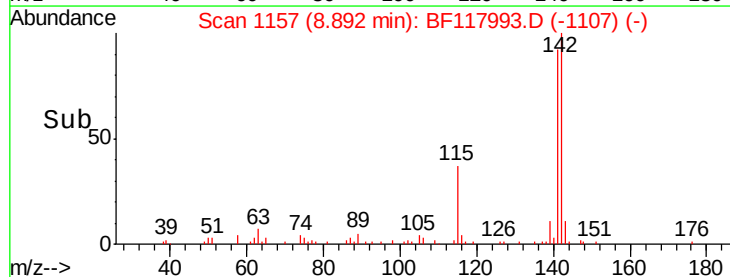
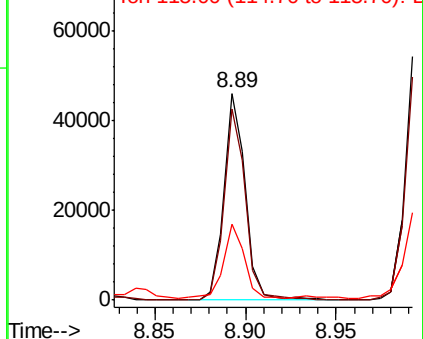


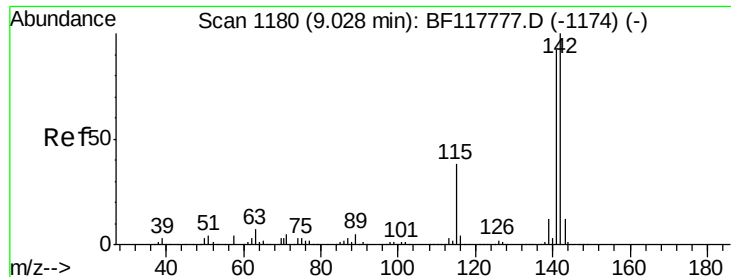
Abundance

Ion 142.00 (141.70 to 142.70): BF1

Ion 141.00 (140.70 to 141.70): BF1

Ion 115.00 (114.70 to 115.70): BF1





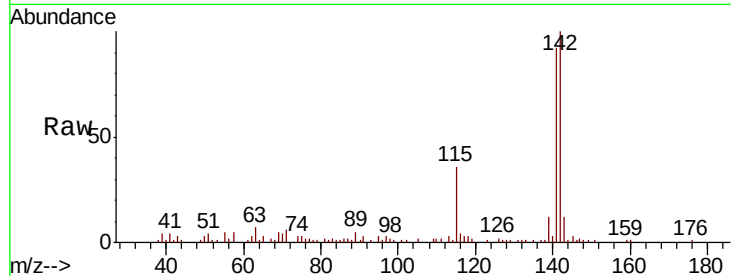
#38
1-Methylnaphthalene
Concen: 2.558 ng
RT: 8.99 min Scan# 1174
Delta R.T. -0.01 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Instrument :
BNA_F
ClientSampleId :
SU-04-112219

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.5	110.3
116	4.3	3.2	4.8

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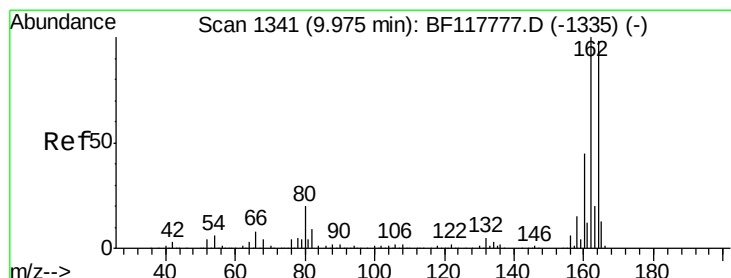
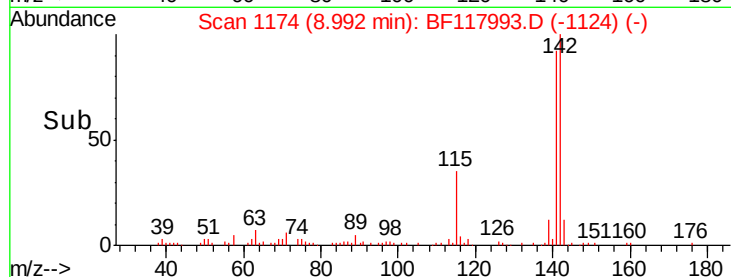
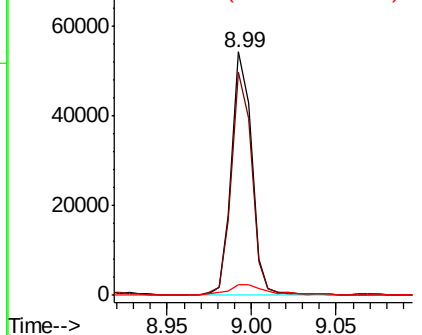


Abundance

Ion 142.00 (141.70 to 142.70): E

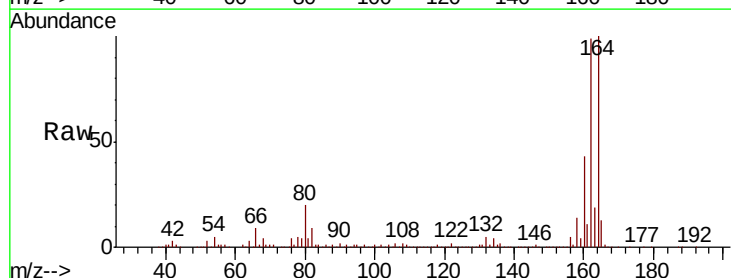
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.3	121.9
160	43.1	36.6	55.0

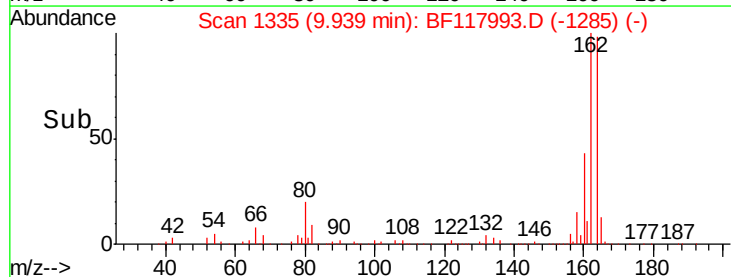
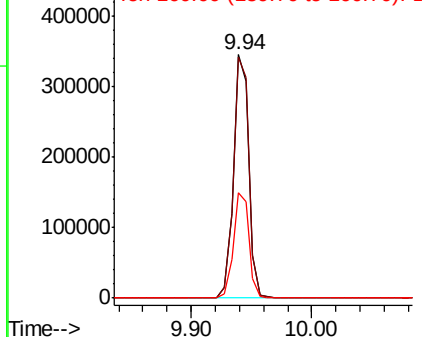


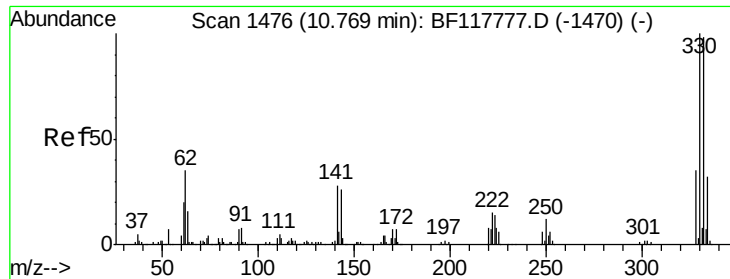
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 31.682 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BF117993.D

Acq: 26 Nov 2019 4:05

Instrument :

BNA_F

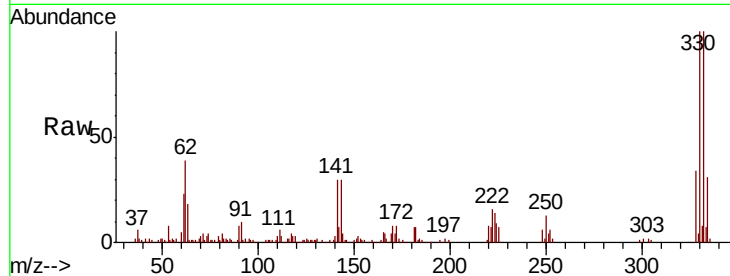
ClientSampleId :

SU-04-112219

Tot Ion	Ratio	Resp	Lower	Upper
330	100	102142		
332	98.4	76.7	115.1	
141	34.2	27.7	41.5	

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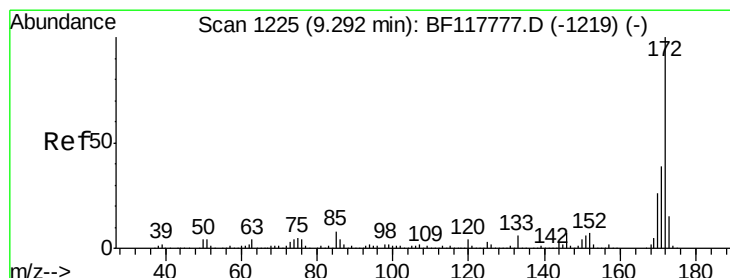
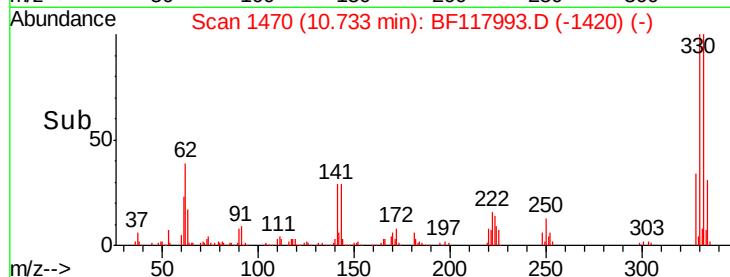
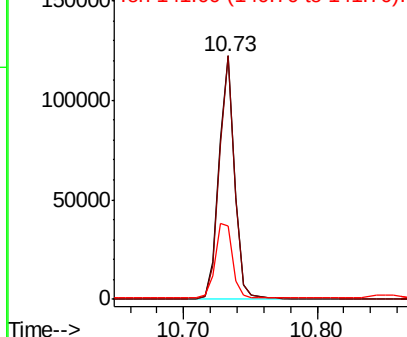


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 37.179 ng

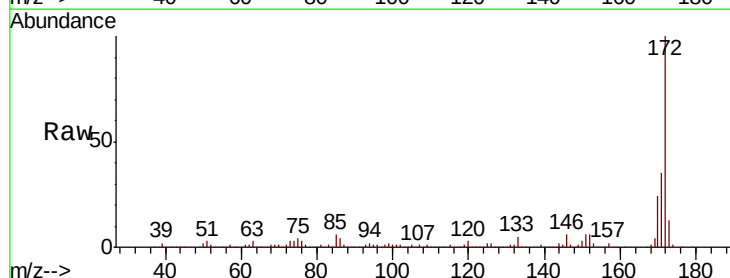
RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF117993.D

Acq: 26 Nov 2019 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	631079		
171	35.1	30.9	46.3	
170	23.6	21.0	31.4	

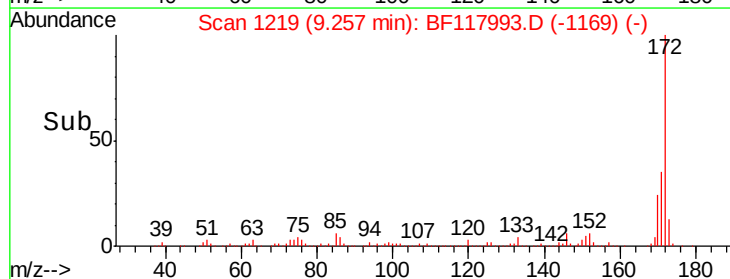
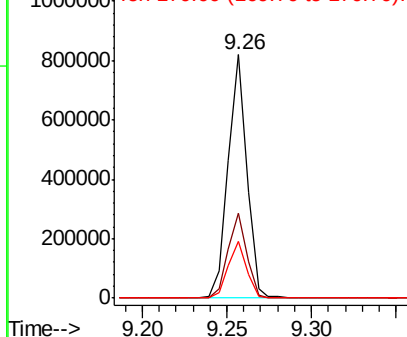


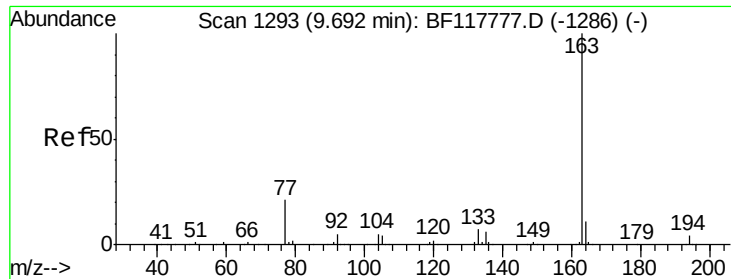
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.376 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BF117993.D

Acq: 26 Nov 2019 4:05

Instrument :

BNA_F

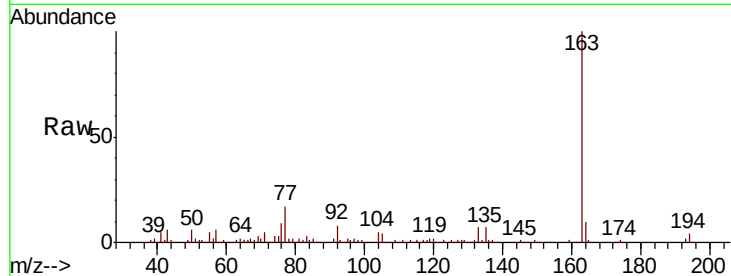
ClientSampleId :

SU-04-112219

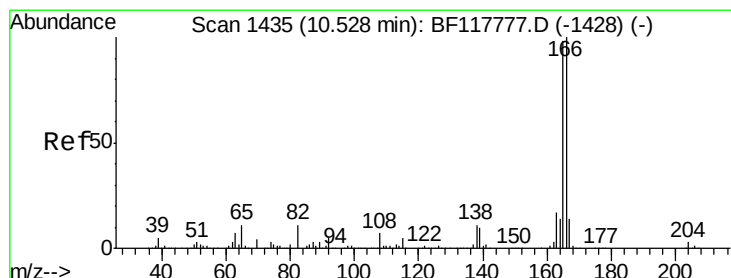
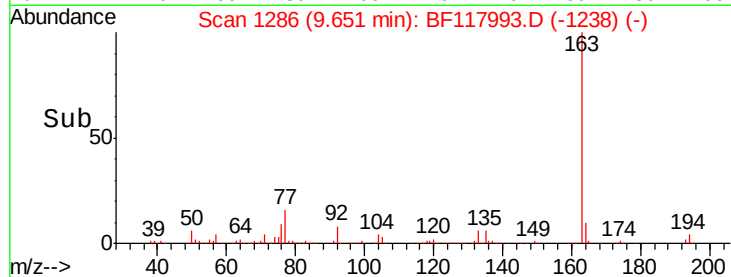
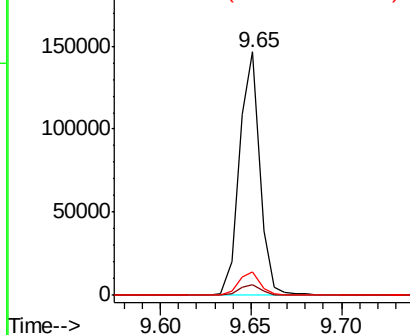
Tot Ion:	163	Resp:	114798
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.3	4.9
164	9.6	8.7	13.1

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#58

Fluorene

Concen: 3.215 ng

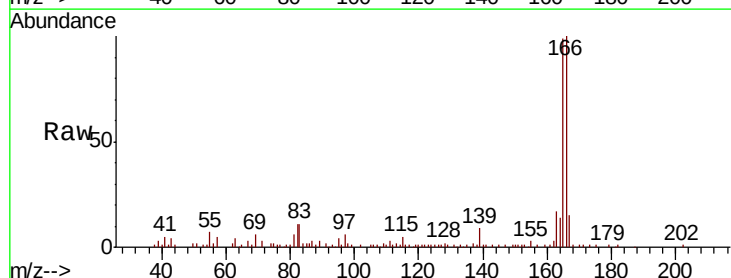
RT: 10.49 min Scan# 1429

Delta R.T. -0.01 min

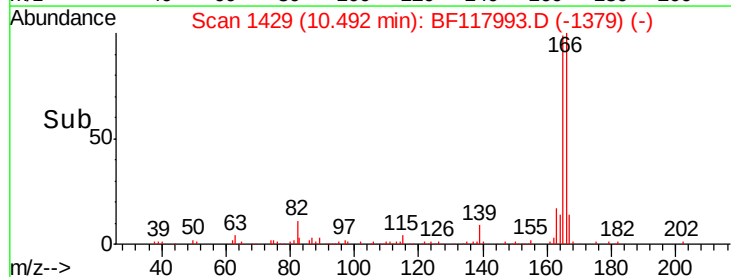
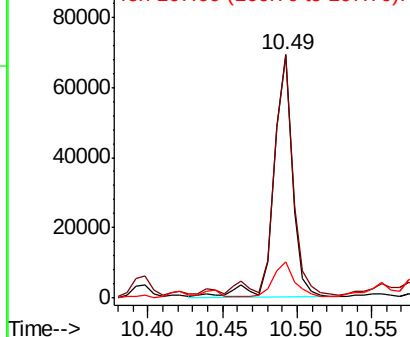
Lab File: BF117993.D

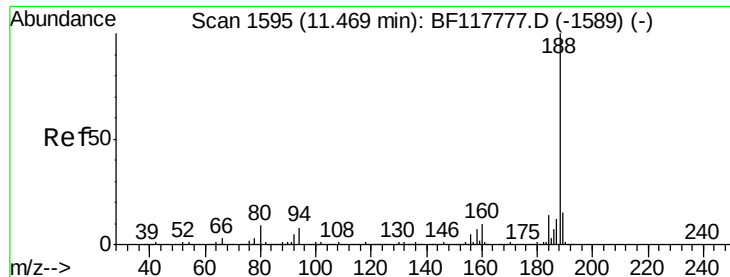
Acq: 26 Nov 2019 4:05

Tgt Ion:	166	Resp:	59893
Ion Ratio	Lower	Upper	
166	100		
165	99.5	78.4	117.6
167	14.7	11.0	16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





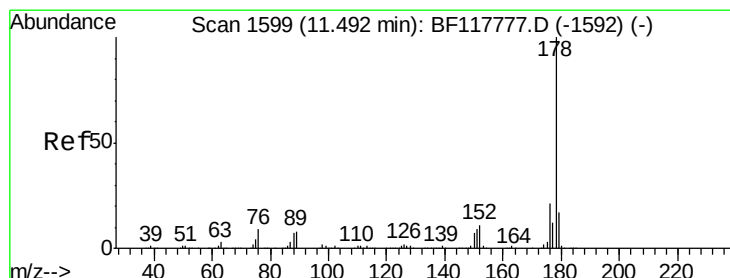
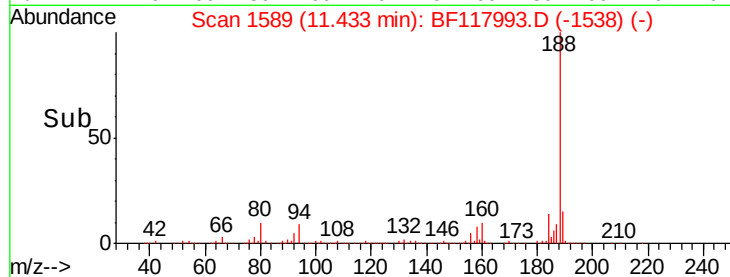
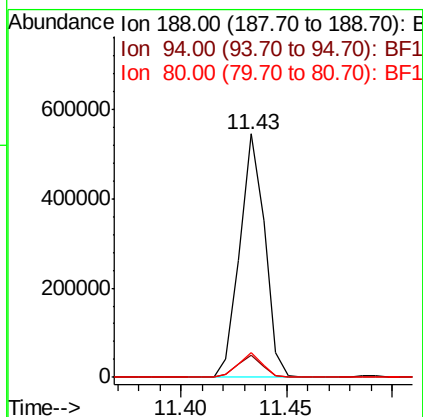
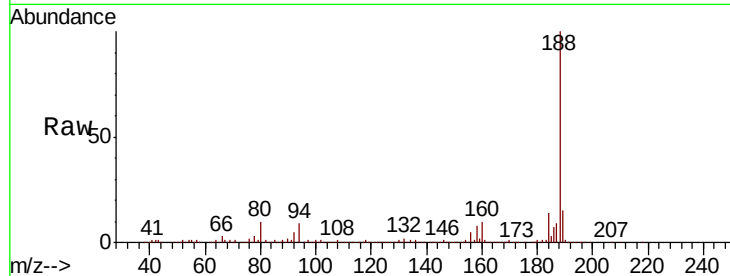
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Instrument :
BNA_F
ClientSampleId :
SU-04-112219

Tot Ion	Ratio	Resp	Lower	Upper
188	100	446635		
94	9.0		6.6	10.0
80	10.0		7.2	10.8

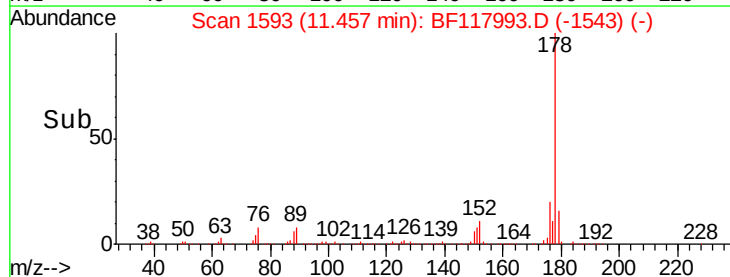
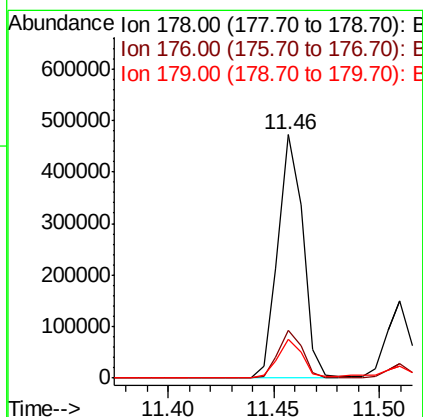
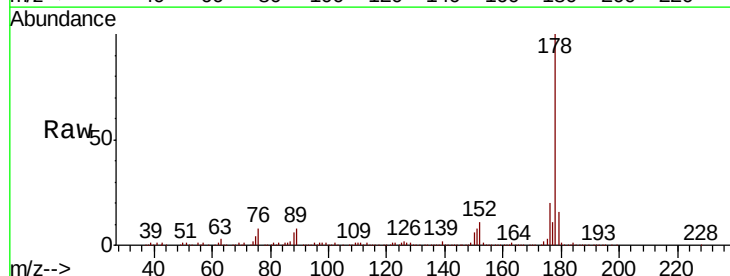
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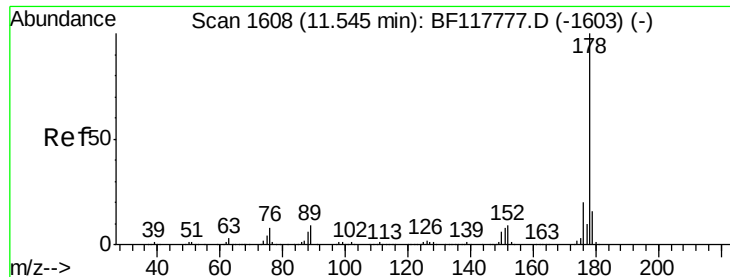
mohammad
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#71
Phenanthrene
Concen: 17.420 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	391177		
176	19.8		16.6	25.0
179	15.9		13.2	19.8





#72

Anthracene

Concen: 5.177 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BF117993.D

Acq: 26 Nov 2019 4:05

Instrument :

BNA_F

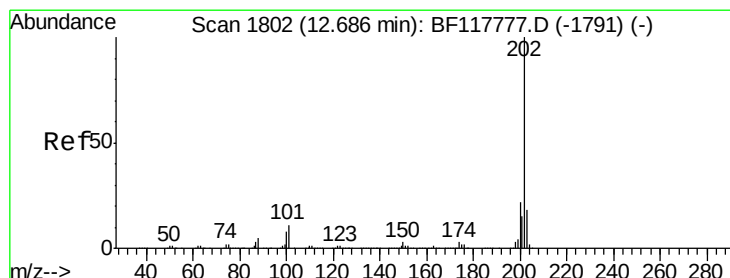
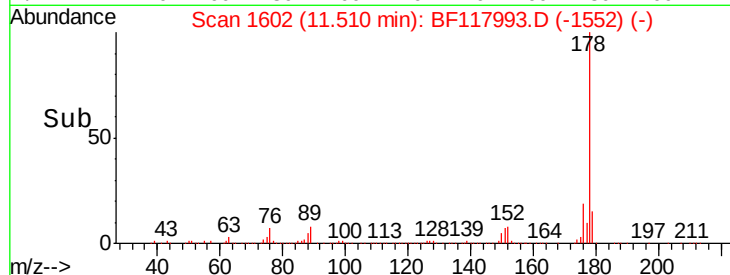
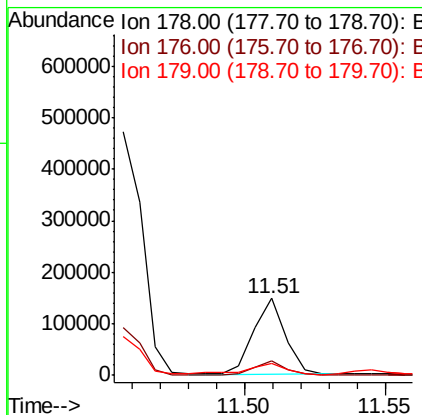
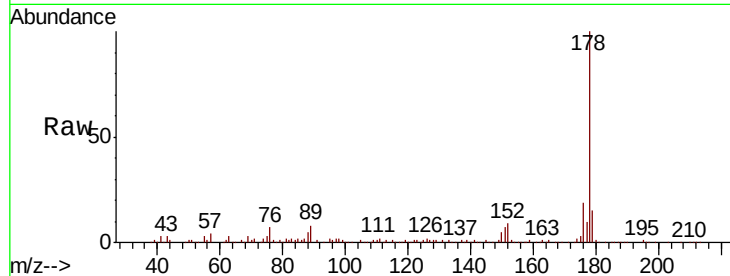
ClientSampleId :

SU-04-112219

Tot Ion:	178	Resp:	115252
Ion Ratio	Lower	Upper	
178	100		
176	18.5	16.1	24.1
179	15.1	13.0	19.4

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#75

Fluoranthene

Concen: 12.771 ng

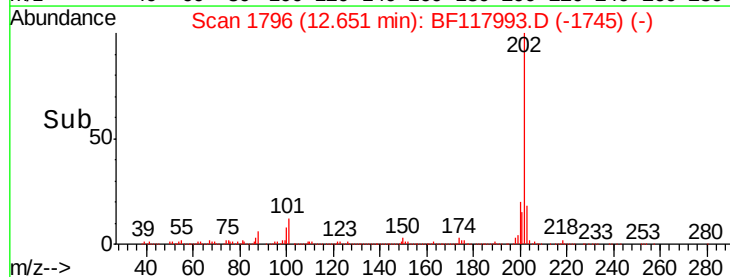
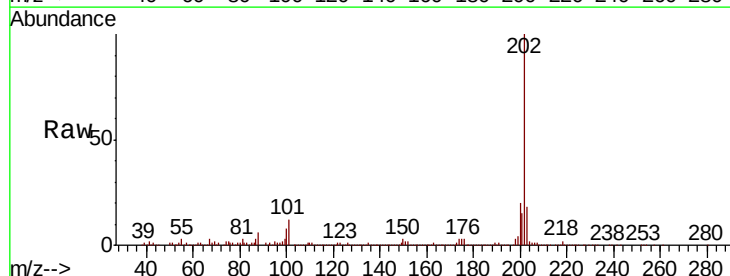
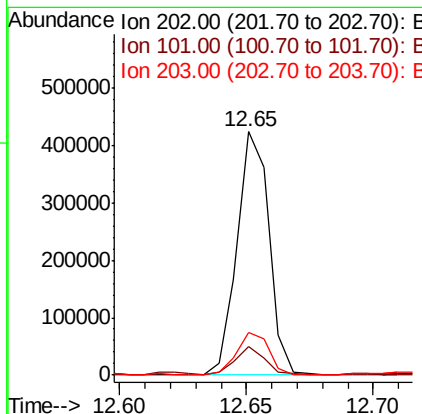
RT: 12.65 min Scan# 1796

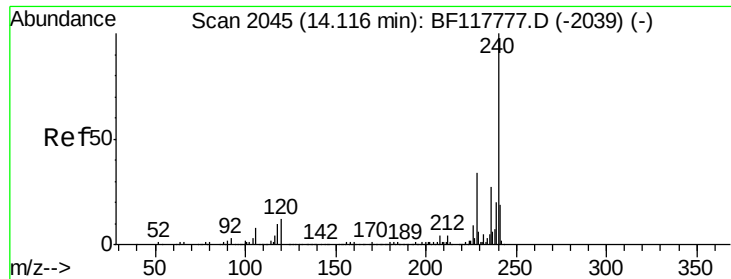
Delta R.T. -0.00 min

Lab File: BF117993.D

Acq: 26 Nov 2019 4:05

Tgt Ion:	202	Resp:	371352
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	31.1
203	17.7	0.0	38.2





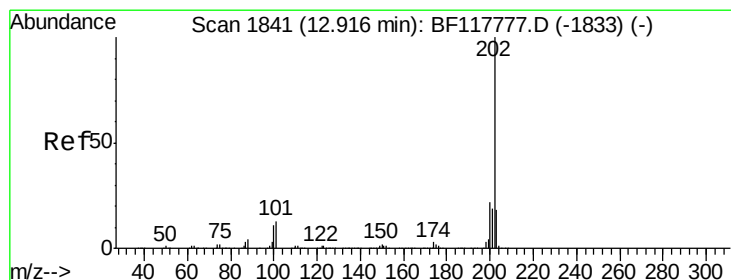
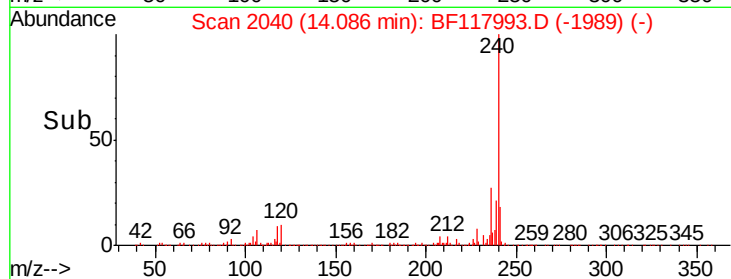
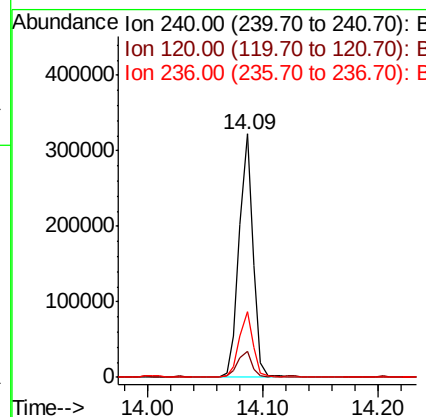
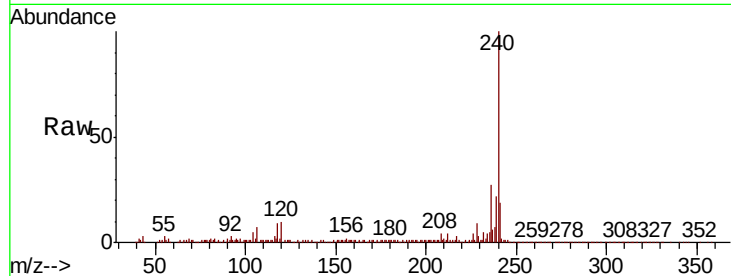
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Instrument :
BNA_F
ClientSampleId :
SU-04-112219

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.5	14.3
236	27.2	21.3	31.9

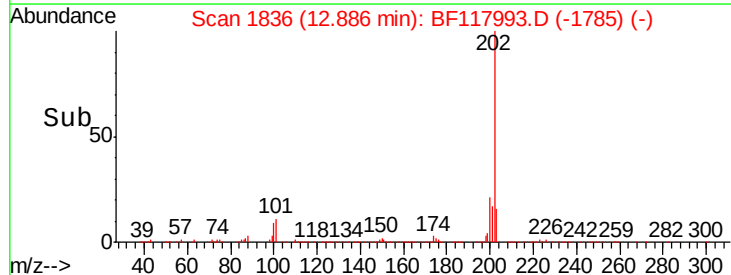
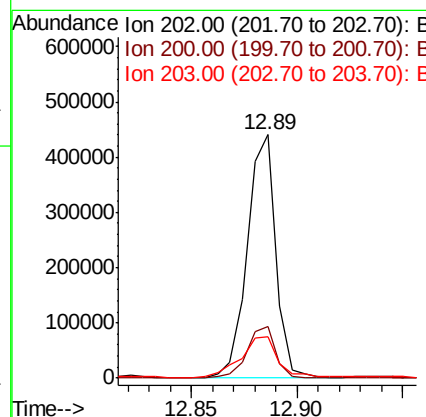
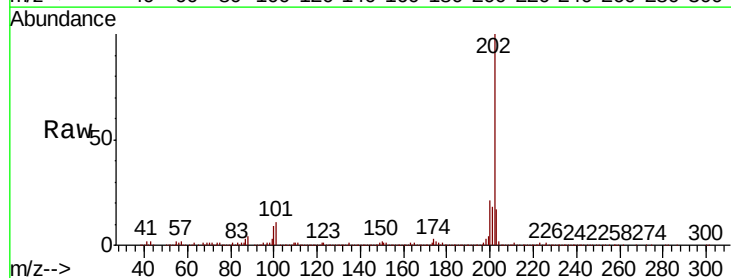
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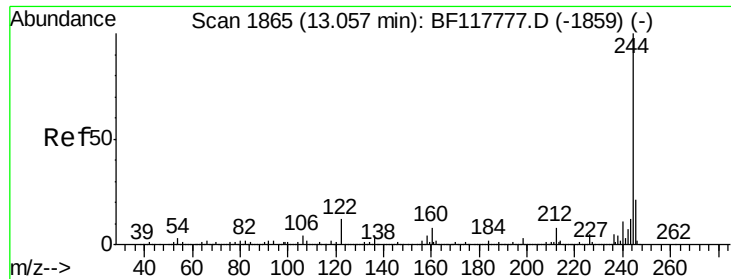
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#78
Pyrene
Concen: 18.928 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.00 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.8
203	17.2	14.6	22.0





#79

Terphenyl-d14

Concen: 29.823 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF117993.D

Acq: 26 Nov 2019 4:05

Instrument :

BNA_F

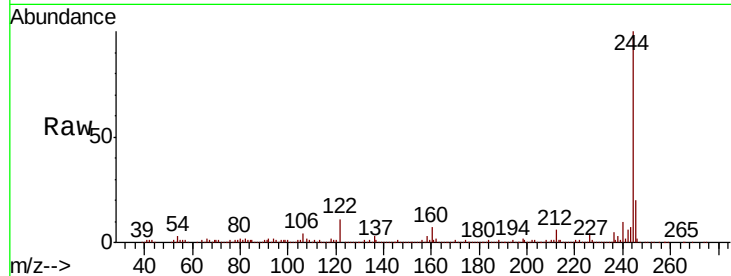
ClientSampleId :

SU-04-112219

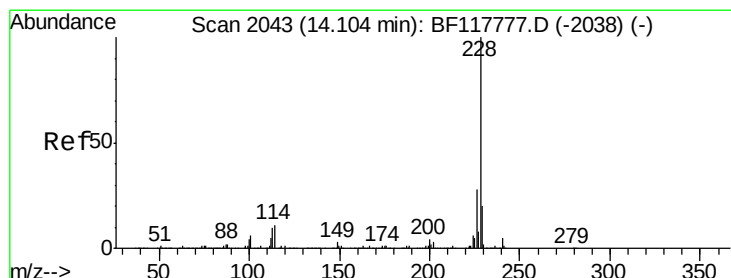
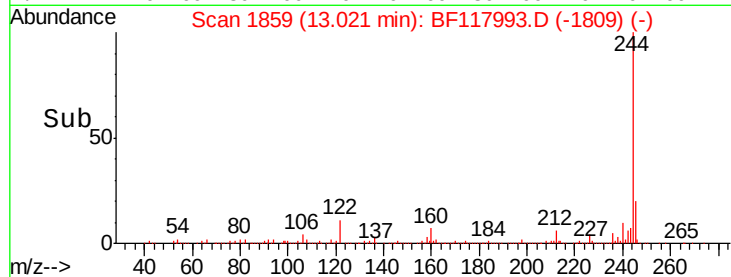
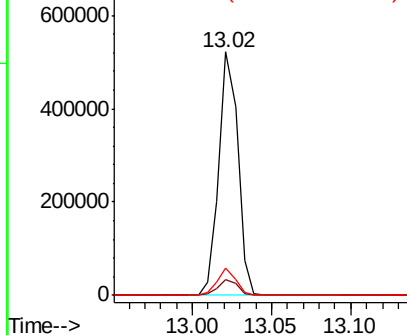
Tot Ion:	244	Resp:	438191
Ion Ratio	Lower	Upper	
244	100		
212	6.4	6.3	9.5
122	11.5	9.4	14.2

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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



#81

Benzo(a)anthracene

Concen: 8.791 ng

RT: 14.07 min Scan# 2038

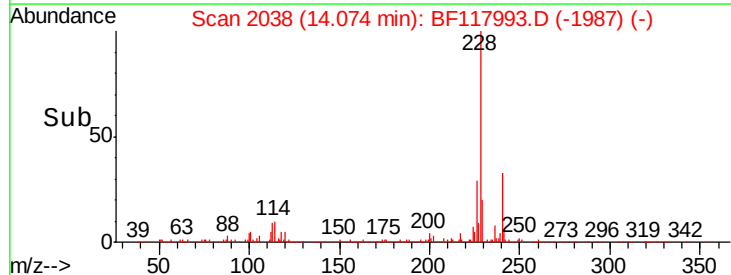
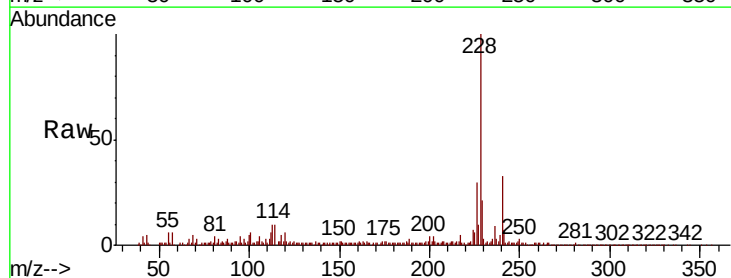
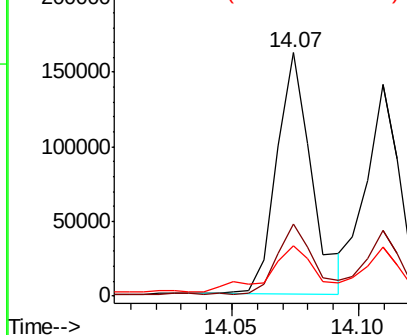
Delta R.T. -0.00 min

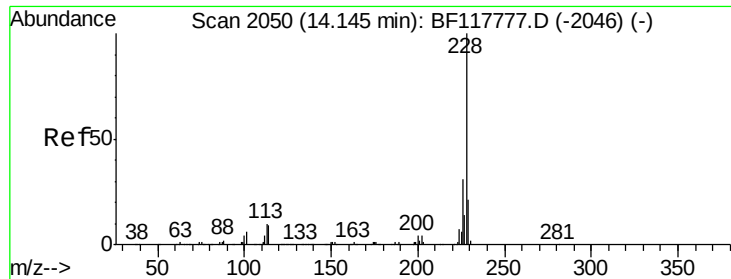
Lab File: BF117993.D

Acq: 26 Nov 2019 4:05

Tgt Ion:	228	Resp:	156003
Ion Ratio	Lower	Upper	
228	100		
226	29.6	22.2	33.2
229	20.9	15.9	23.9

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





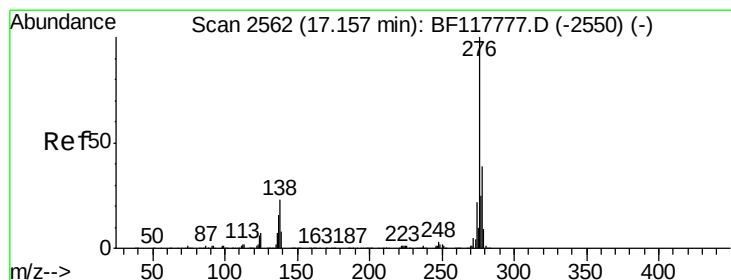
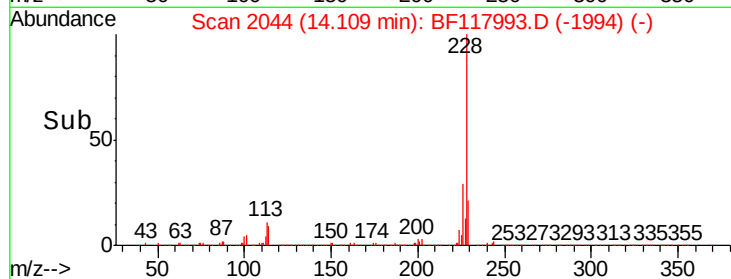
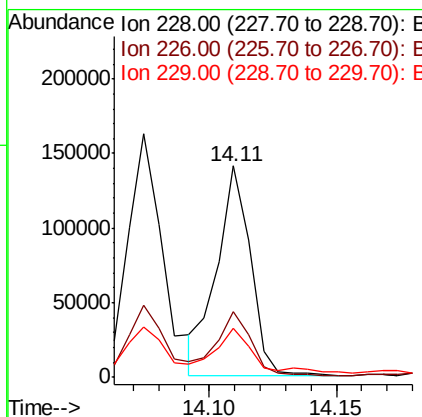
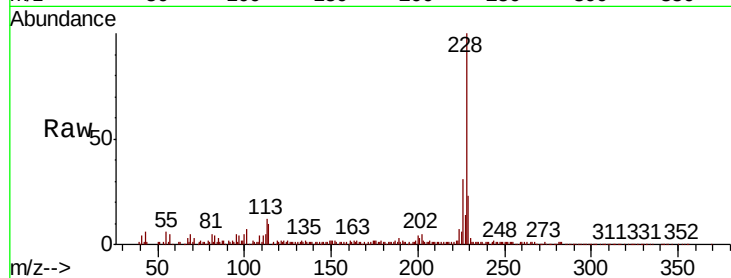
#83
Chrysene
Concen: 7.521 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Instrument :
BNA_F
ClientSampleId :
SU-04-112219

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.4
229	23.3	16.6	25.0

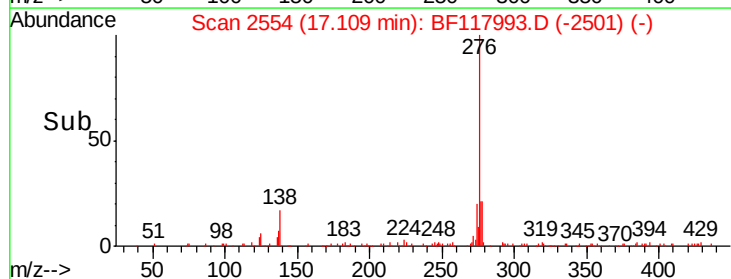
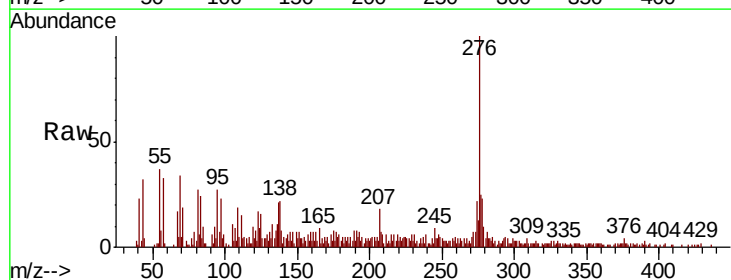
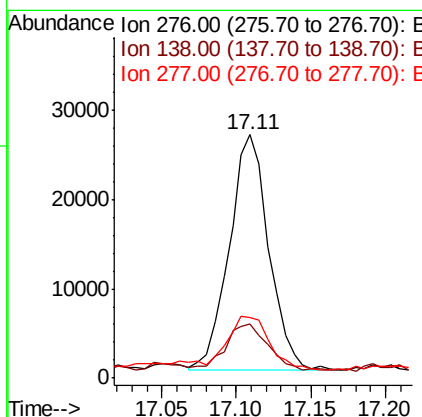
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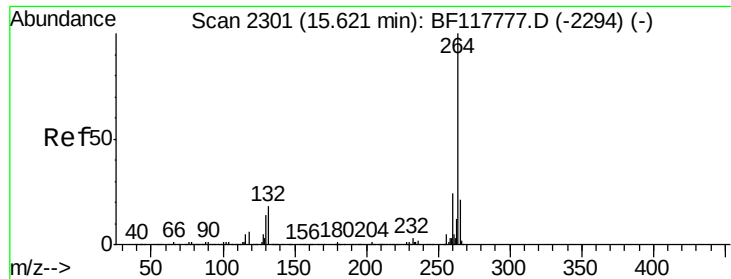
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.336 ng
RT: 17.11 min Scan# 2554
Delta R.T. 0.01 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	20.9	31.3#
277	24.3	20.3	30.5





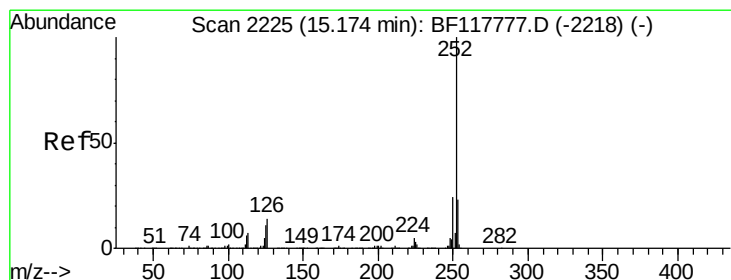
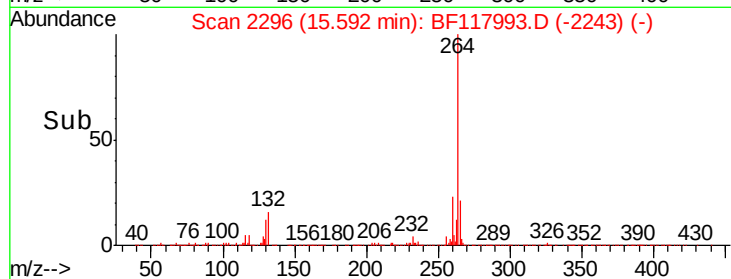
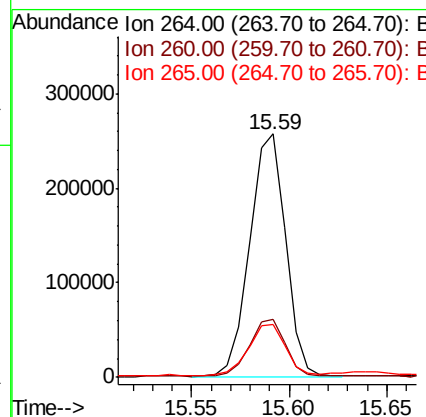
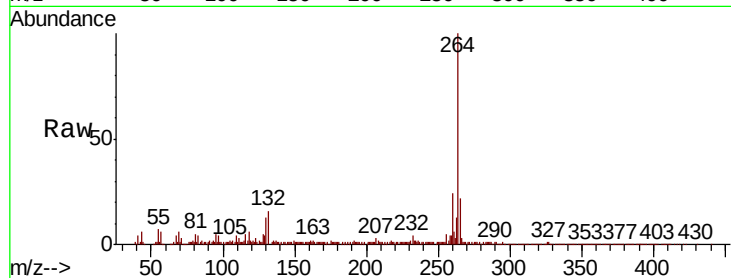
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.01 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Instrument :
BNA_F
ClientSampleId :
SU-04-112219

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	21.7	17.1	25.7

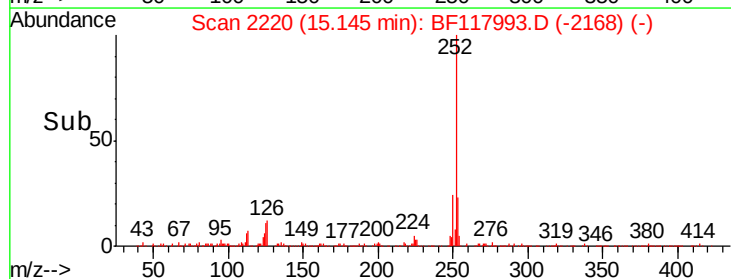
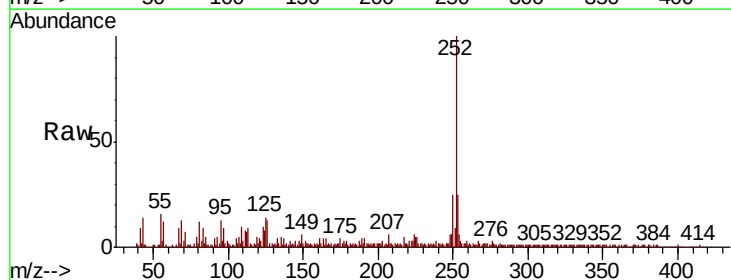
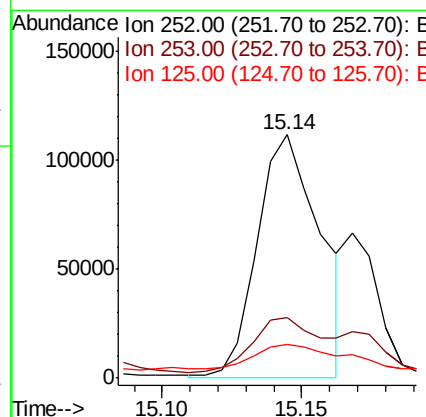
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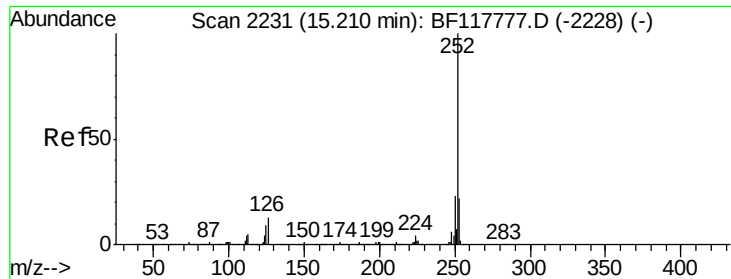
mohammad
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#88
Benzo(b)fluoranthene
Concen: 8.249 ng m
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	13.9	8.6	13.0#





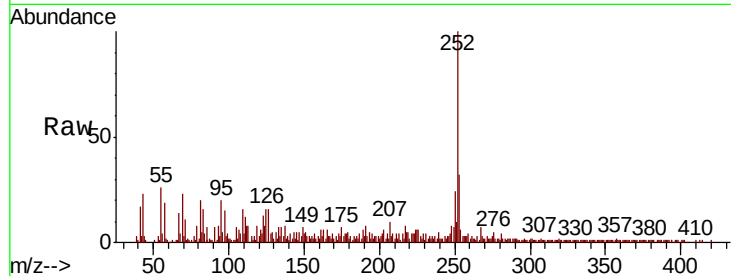
#89
Benzo(k)fluoranthene
Concen: 2.806 ng m
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Instrument :
BNA_F
ClientSampleId :
SU-04-112219

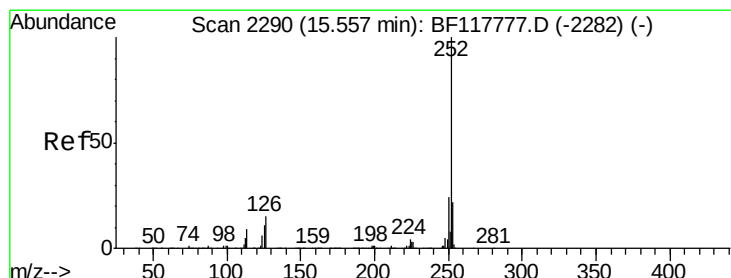
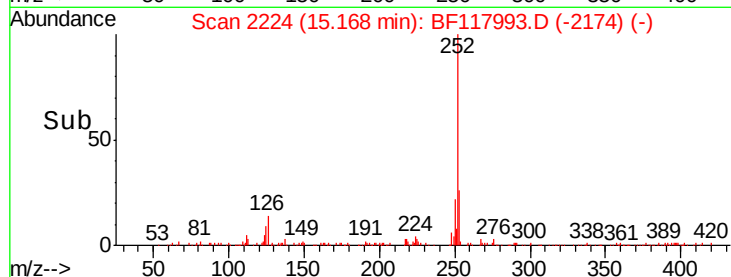
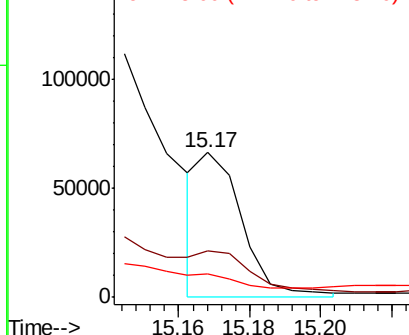
Tot Ion	Ratio	Lower	Upper
252	100		
253	31.9	17.5	26.3#
125	16.0	7.9	11.9#

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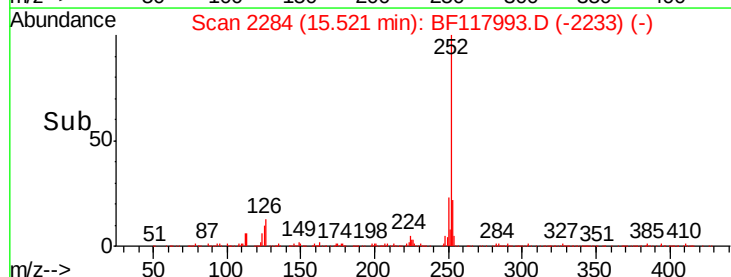
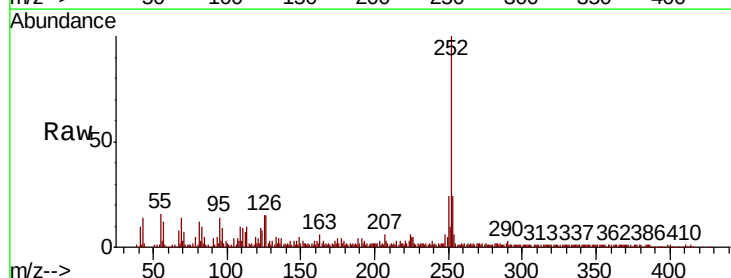
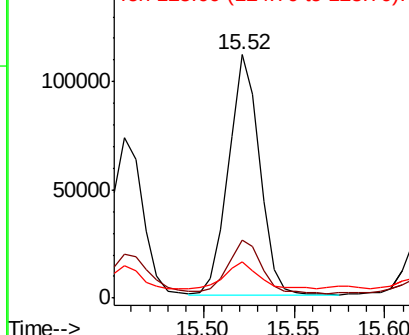
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

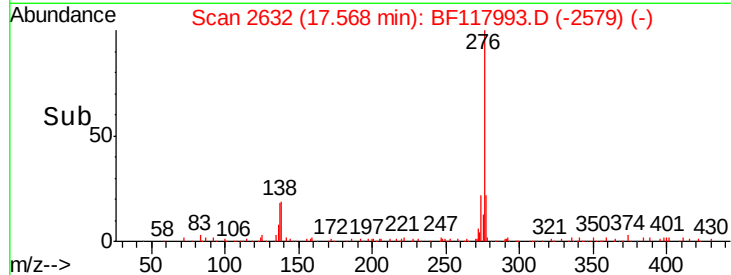
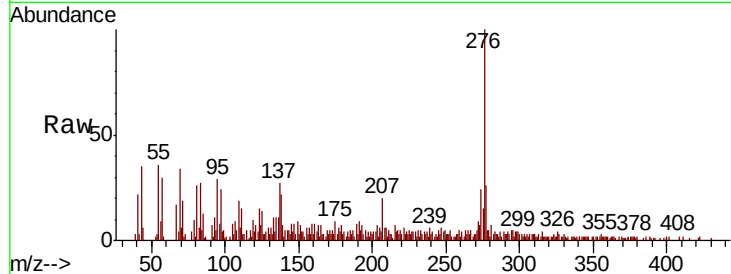
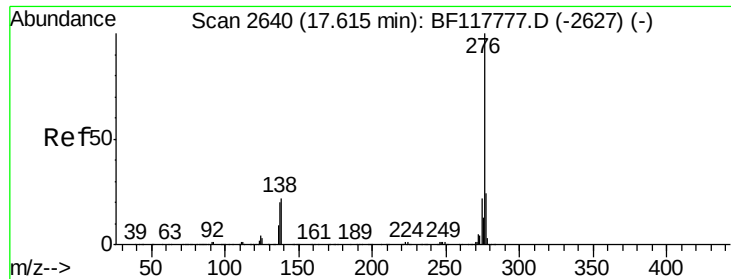


#90
Benzo(a)pyrene
Concen: 7.138 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.00 min
Lab File: BF117993.D
Acq: 26 Nov 2019 4:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	14.9	9.2	13.8#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 2.879 ng
 RT: 17.57 min Scan# 2632
 Delta R.T. 0.01 min
 Lab File: BF117993.D
 Acq: 26 Nov 2019 4:05

Tot Ion:	276	Resp:	46098
Ion Ratio	Lower	Upper	
276	100		
277	26.0	18.9	28.3
138	22.2	17.4	26.2

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-112219

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