

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117873.D
 Acq On : 19 Nov 2019 21:30
 Operator : JU
 Sample : K5838-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UC-TP

Manual Integrations
 APPROVED

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 11/20/2019 1:49:36 PM

Quant Time: Nov 20 01:37:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	187237	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	804031	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	382704	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	581353	20.00	ng	-0.01
76) Chrysene-d12	14.12	240	407798	20.00	ng	0.00
87) Perylene-d12	15.63	264	398198	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	968368	91.55	ng	0.00
7) Phenol-d6	6.53	99	1269390	99.49	ng	-0.01
23) Nitrobenzene-d5	7.47	82	841361	62.21	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	307285	75.84	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1565121	73.37	ng	-0.01
79) Terphenyl-d14	13.05	244	1320033	59.16	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.55	94	69568	5.247	ng	96
49) Acenaphthylene	9.83	152	389859	11.448	ng	98
50) Dimethylphthalate	9.67	163	138765	5.171	ng	# 97
52) Acenaphthene	10.00	154	68576	3.144	ng	97
58) Fluorene	10.52	166	179887	7.684	ng	99
71) Phenanthrene	11.49	178	2021951	69.177	ng	99
72) Anthracene	11.53	178	635513	21.930	ng	98
73) Carbazole	11.69	167	94588	3.735	ng	96
75) Fluoranthene	12.69	202	3177990	134.339	ng	96
78) Pyrene	12.92	202	3360462	101.967	ng	97
81) Benzo(a)anthracene	14.11	228	2095943	77.778	ng	94
83) Chrysene	14.14	228	2001138	76.635	ng	97
84) Bis(2-ethylhexyl)phthalate	14.09	149	45991	2.680	ng	99
86) Indeno(1,2,3-cd)pyrene	17.16	276	682373	30.704	ng	96
88) Benzo(b)fluoranthene	15.19	252	1934282m	74.766	ng	
89) Benzo(k)fluoranthene	15.21	252	770464m	31.607	ng	
90) Benzo(a)pyrene	15.57	252	1403308	61.685	ng	97
91) Dibenzo(a,h)anthracene	17.17	278	198673	10.146	ng	95
92) Benzo(a,h,i)perylene	17.63	276	654696	33.569	ng	98

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

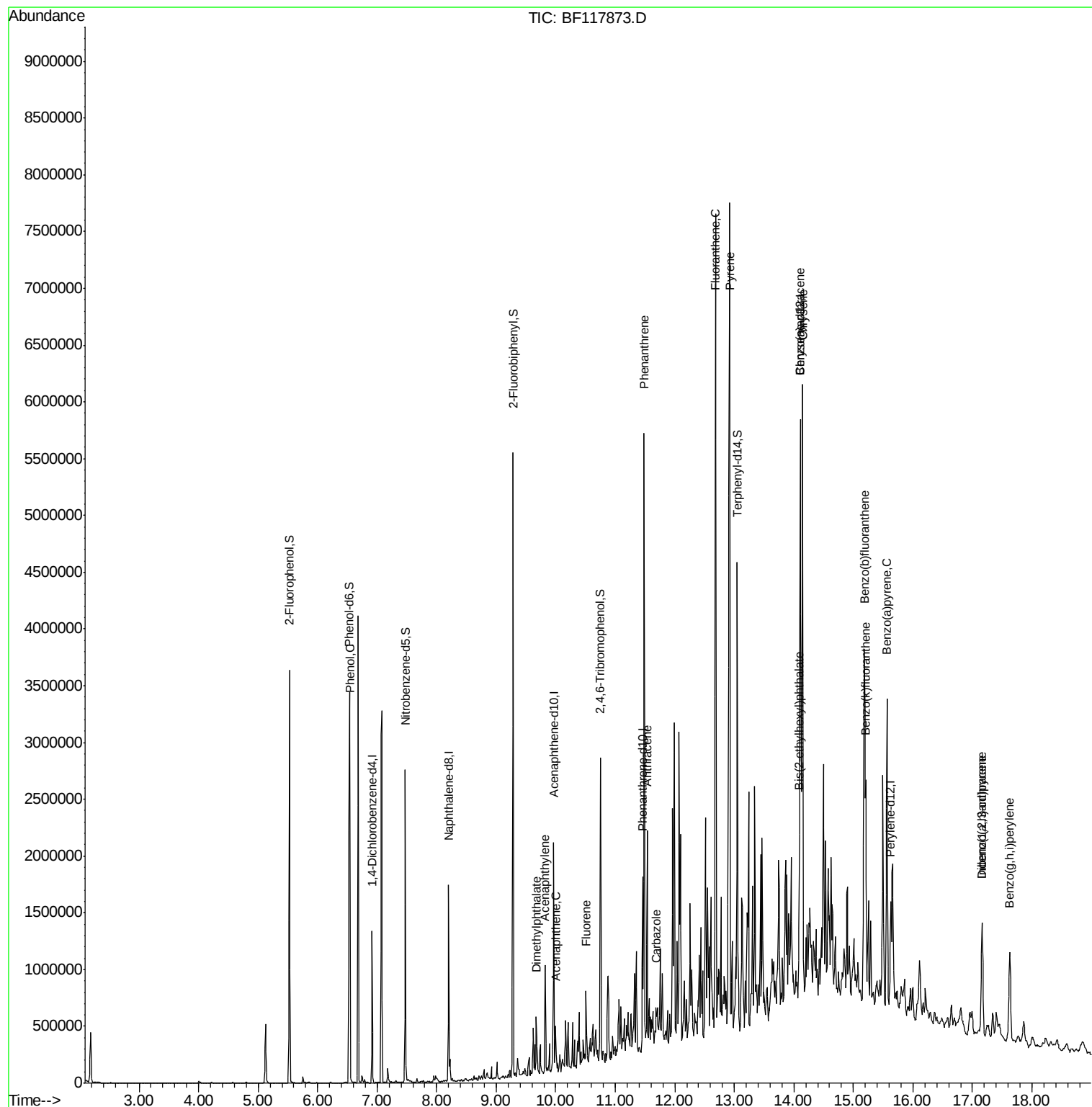
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117873.D
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ALS Vial : 23 Sample Multiplier: 1

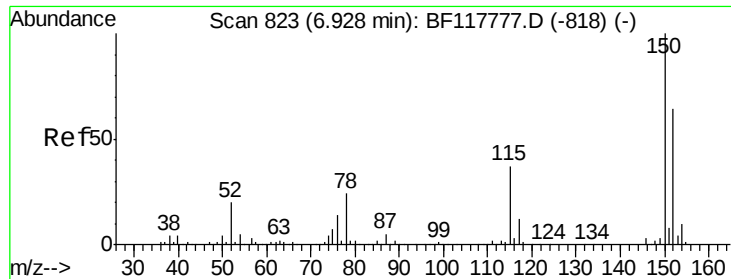
Instrument :
BNA_F
ClientSampleId :
UC-TP

Quant Time: Nov 20 01:37:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

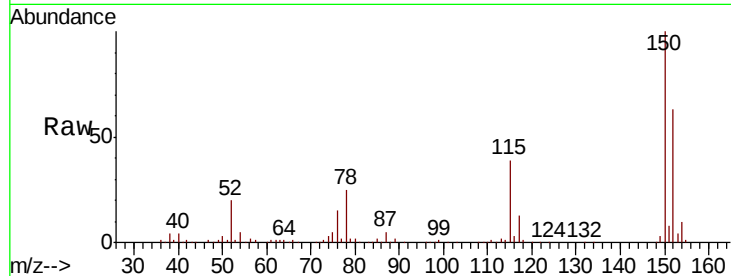
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Instrument :
BNA_F
ClientSampled :
UC-TP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	125.3	187.9
115	61.3	47.0	70.4

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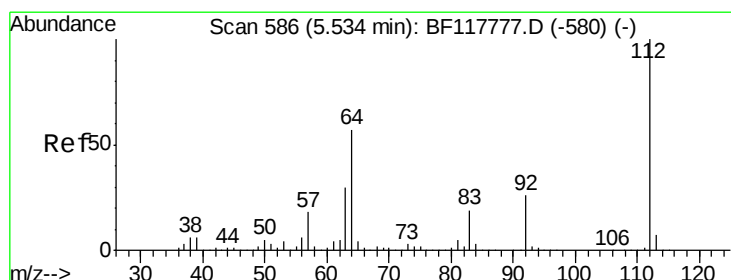
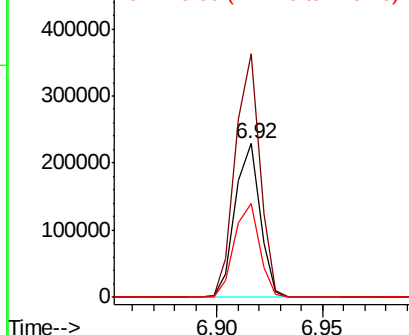
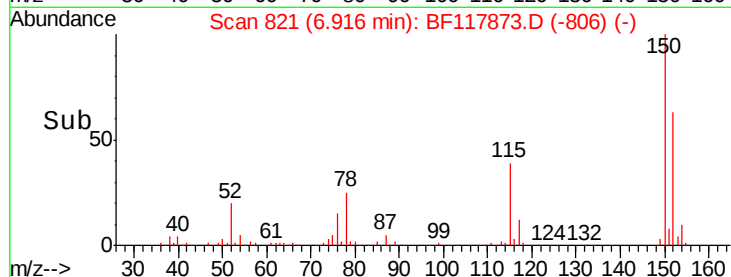


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

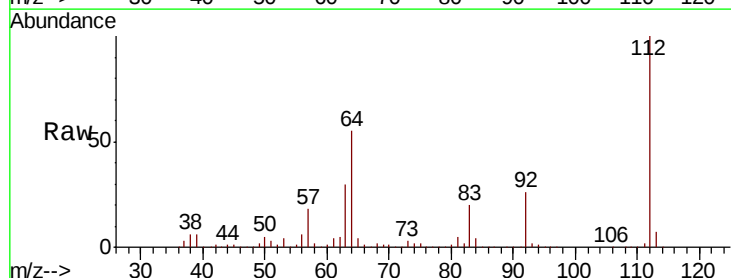
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.548 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	45.6	68.4
63	30.2	24.1	36.1

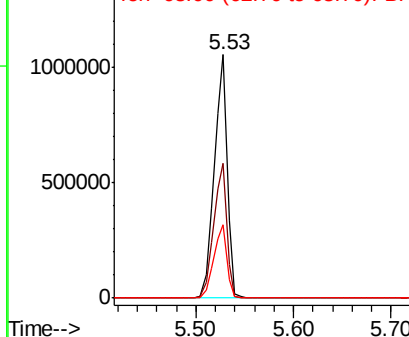
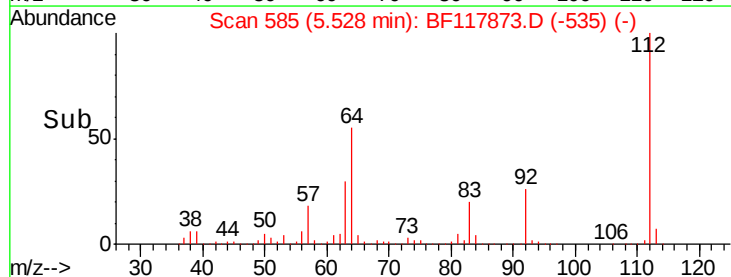


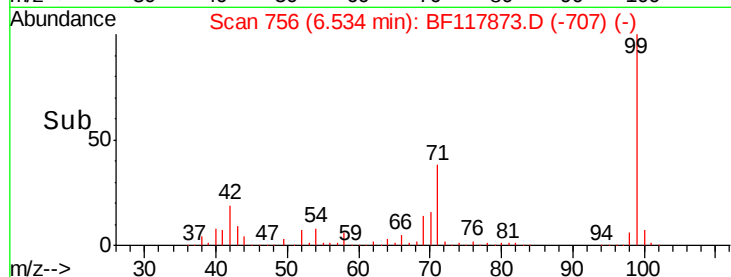
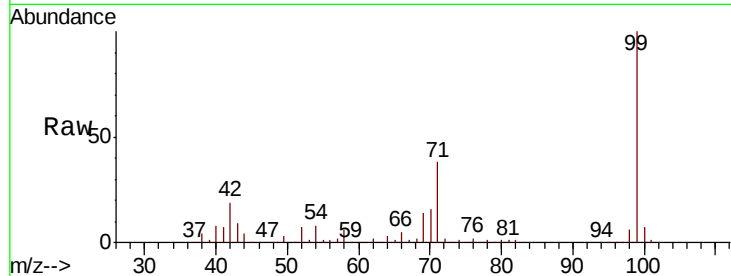
Abundance

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: 99.494 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117873.D

Acq: 19 Nov 2019 21:30

Tot Ion:	99	Resp:	1269390
Ion	Ratio	Lower	Upper
99	100		
42	19.3	14.9	22.3
71	38.0	28.6	43.0

Instrument :

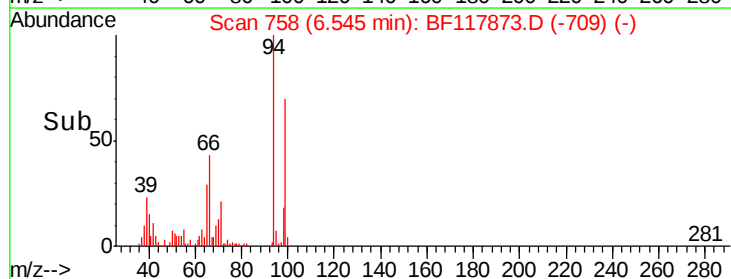
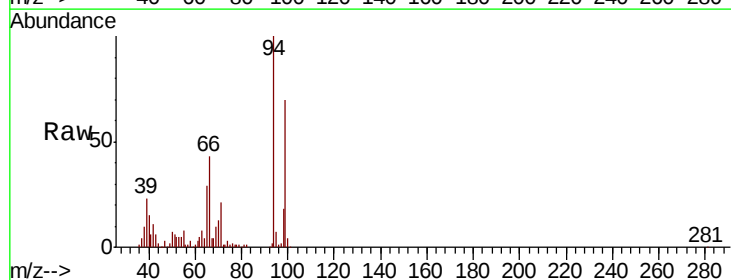
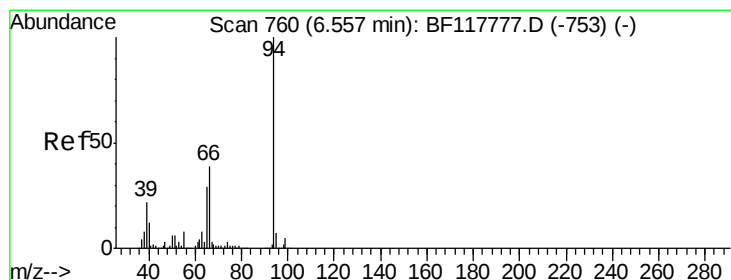
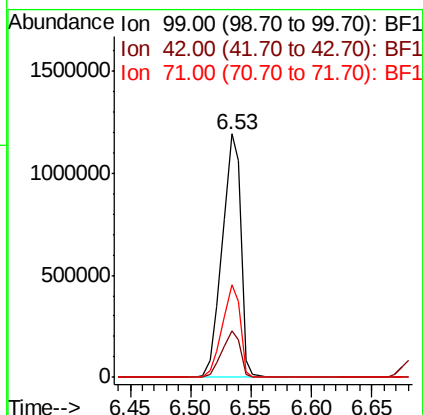
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ClientSampleId :

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#10

Phenol

Concen: 5.247 ng

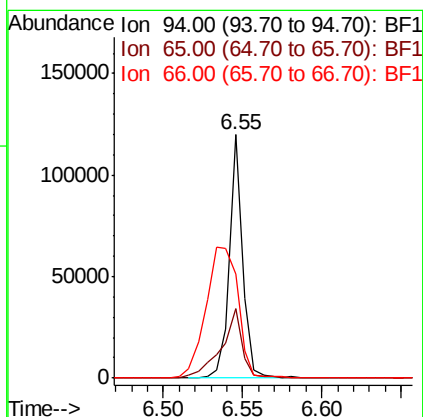
RT: 6.55 min Scan# 758

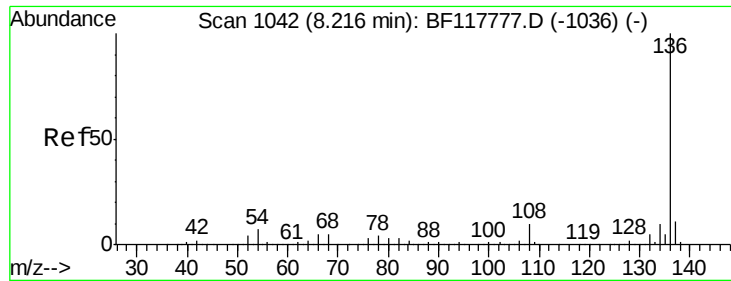
Delta R.T. -0.01 min

Lab File: BF117873.D

Acq: 19 Nov 2019 21:30

Tgt Ion:	94	Resp:	69568
Ion	Ratio	Lower	Upper
94	100		
65	28.7	8.9	48.9
66	42.7	18.7	58.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF117873.D

Acq: 19 Nov 2019 21:30

Instrument :

BNA_F

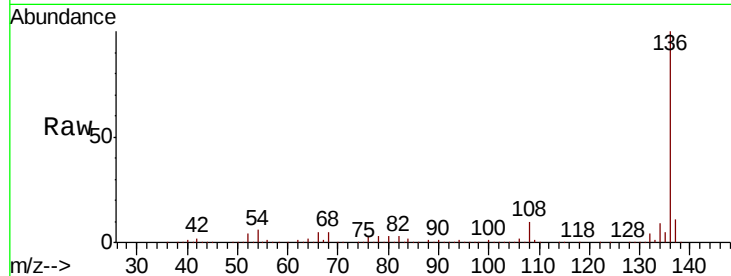
ClientSampleId :

UC-TP

Tot Ion	Ratio	Resp	Lower	Upper
136	100	804031		
137	10.8		9.0	13.4
54	6.1		5.4	8.2
68	4.8		4.3	6.5

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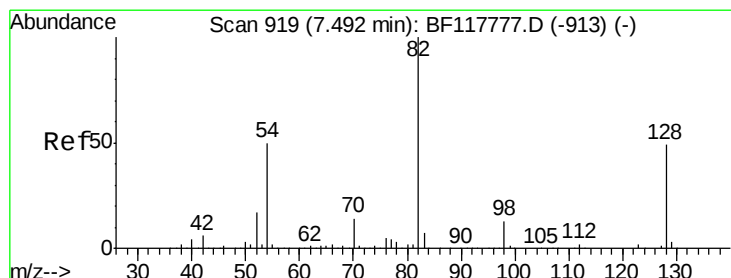
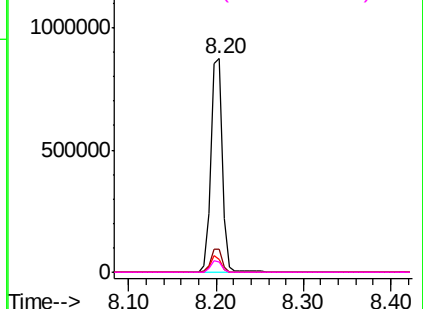
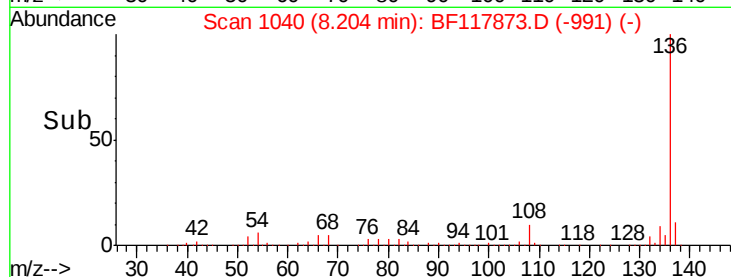


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 62.206 ng

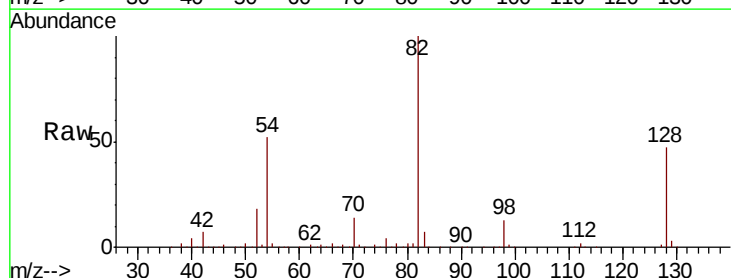
RT: 7.47 min Scan# 916

Delta R.T. -0.02 min

Lab File: BF117873.D

Acq: 19 Nov 2019 21:30

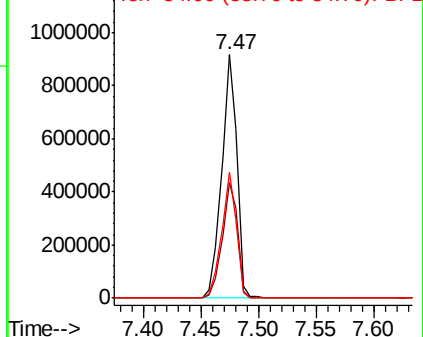
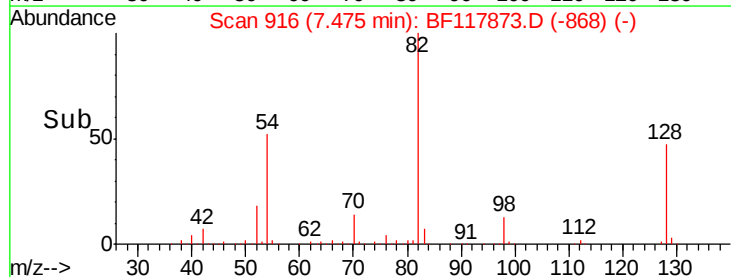
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	841361		
128	47.2		38.9	58.3
54	51.8		39.8	59.6

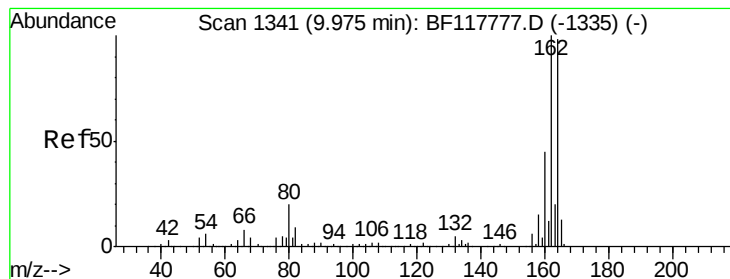


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF117873.D

Acq: 19 Nov 2019 21:30

Instrument :

BNA_F

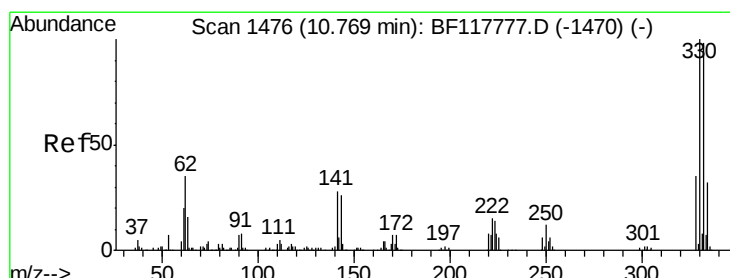
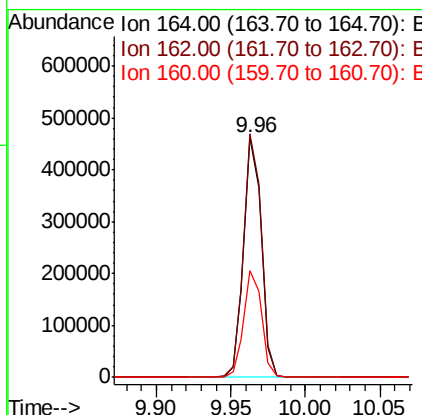
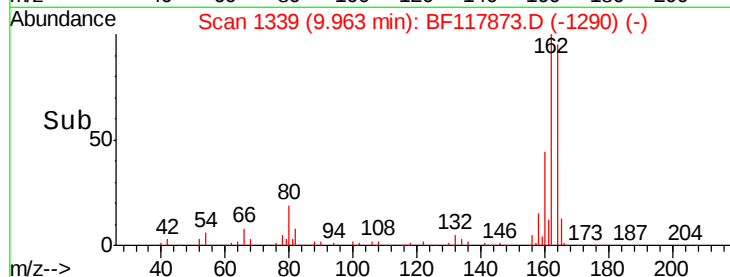
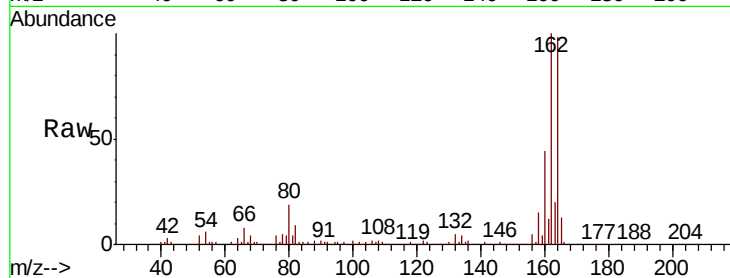
ClientSampleId :

UC-TP

Tot Ion:	164	Resp:	382704
Ion Ratio	Lower	Upper	
164	100		
162	101.6	81.3	121.9
160	44.7	36.6	55.0

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#42

2,4,6-Tribromophenol

Concen: 75.842 ng

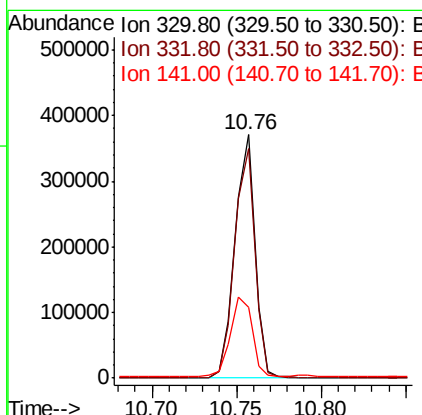
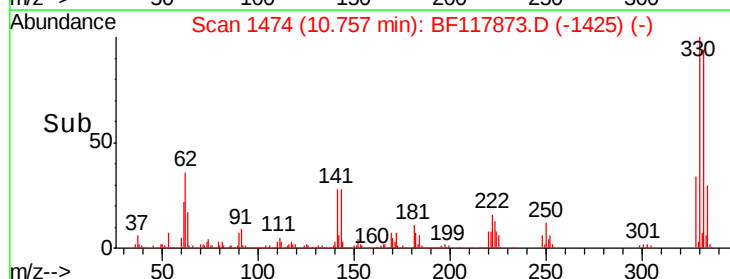
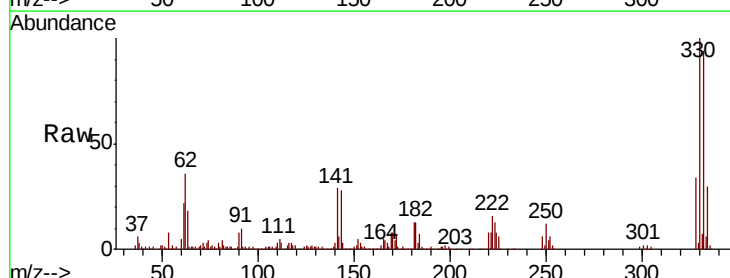
RT: 10.76 min Scan# 1474

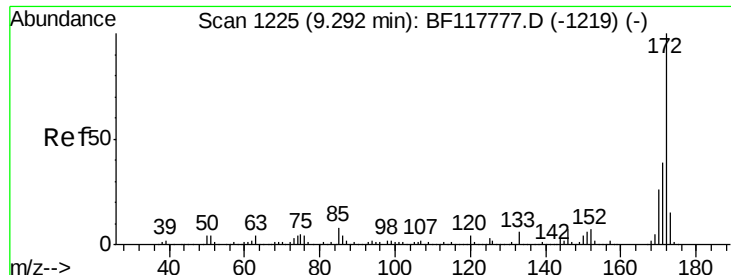
Delta R.T. -0.01 min

Lab File: BF117873.D

Acq: 19 Nov 2019 21:30

Tgt Ion:	330	Resp:	307285
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.7	115.1
141	35.3	27.7	41.5





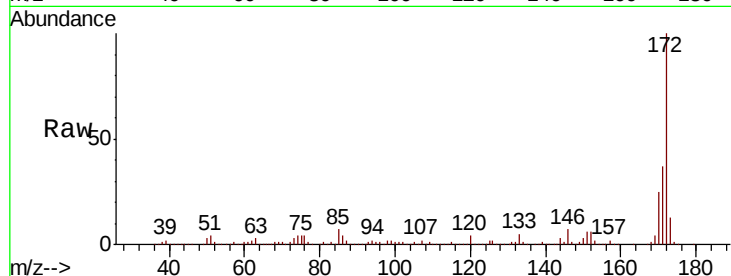
#45
2-Fluorobiphenyl
Concen: 73.370 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Instrument :
BNA_F
ClientSampleId :
UC-TP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.9	46.3
170	24.9	21.0	31.4

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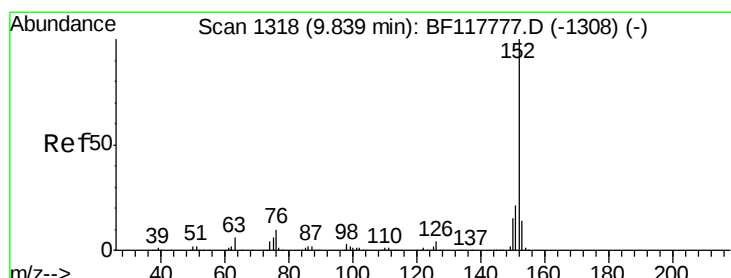
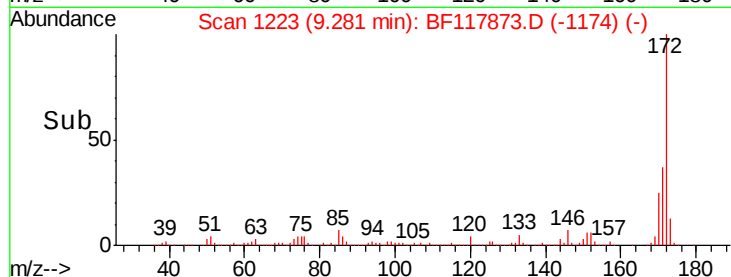
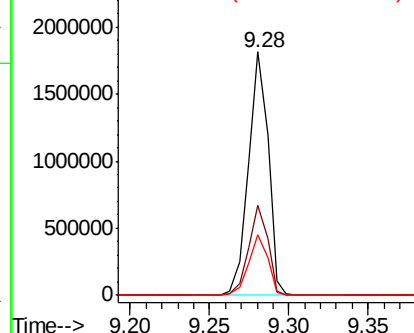


Abundance

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



#49
Acenaphthylene
Concen: 11.448 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

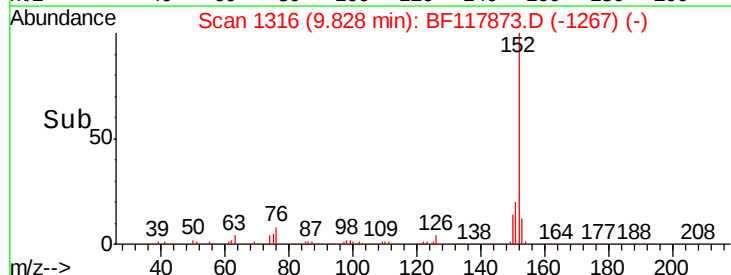
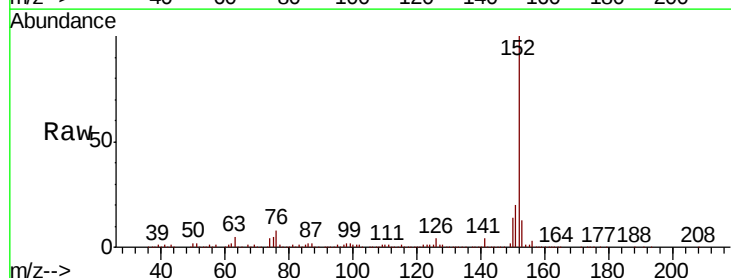
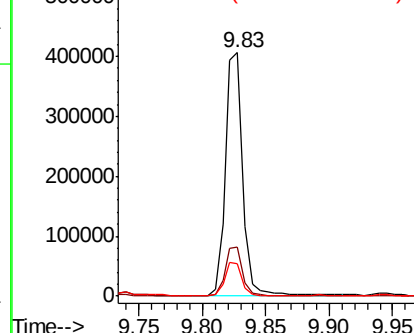
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	17.0	25.6
153	13.1	11.0	16.6

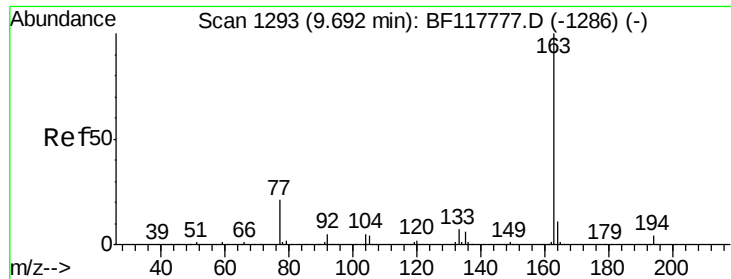
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





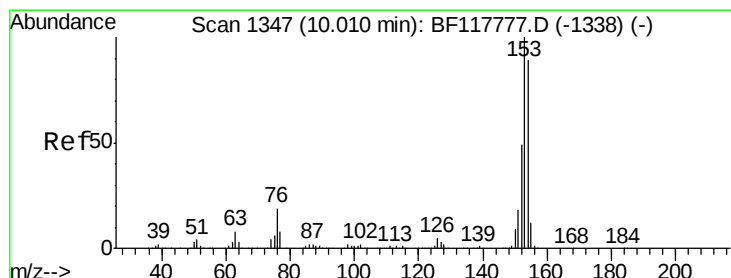
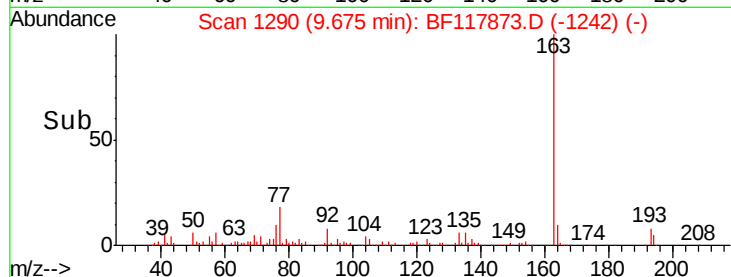
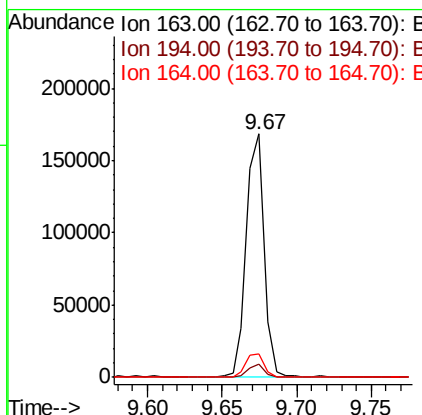
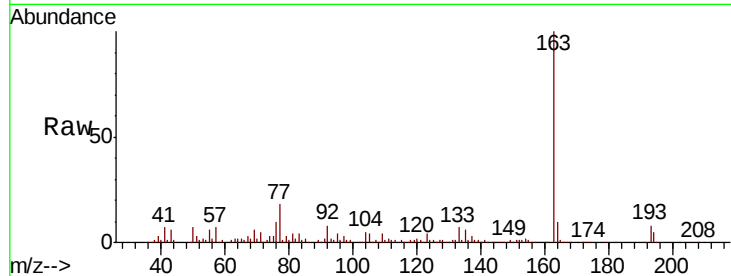
#50
Dimethylphthalate
Concen: 5.171 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Instrument :
BNA_F
ClientSampleId :
UC-TP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	138765		
194	5.3	3.3	4.9#	
164	9.6	8.7	13.1	

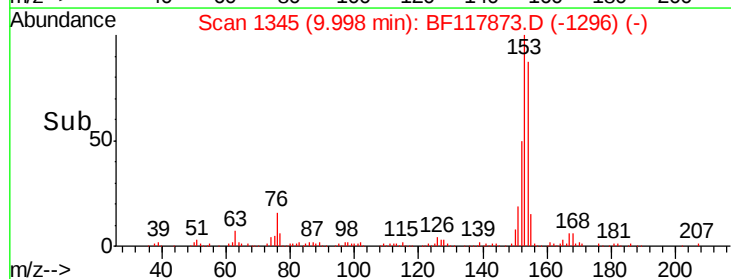
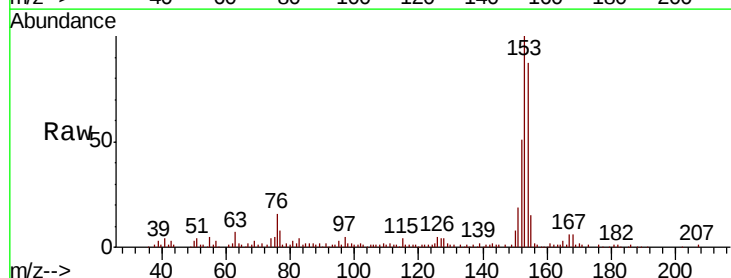
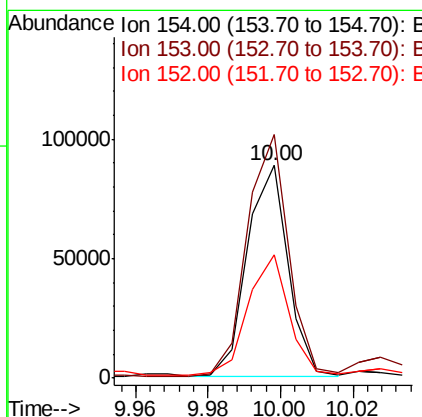
Manual Integrations
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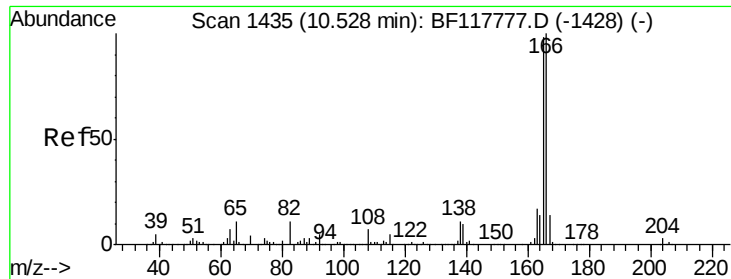
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#52
Acenaphthene
Concen: 3.144 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	68576		
153	114.6	90.1	135.1	
152	57.9	44.0	66.0	





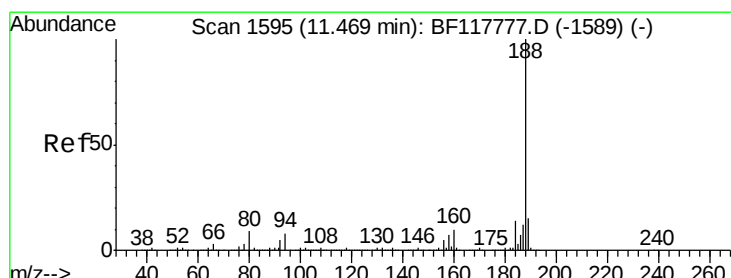
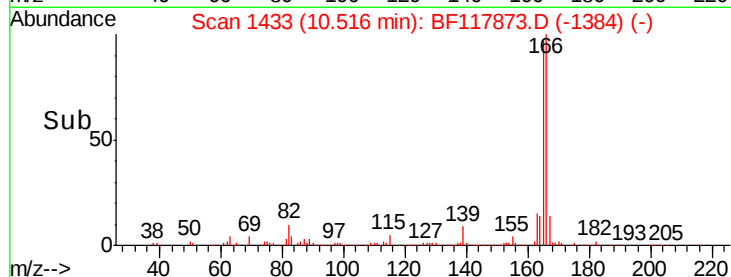
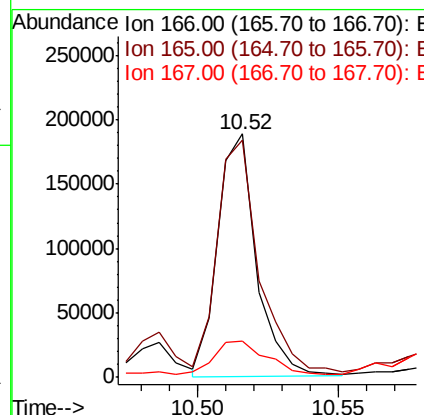
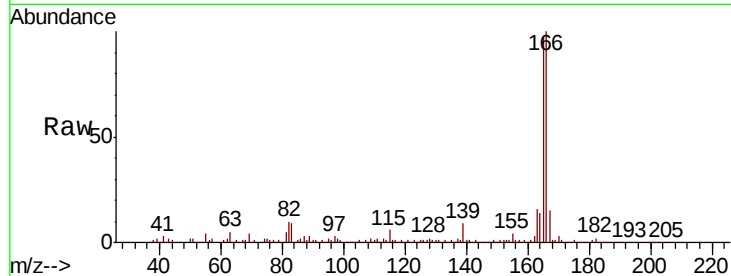
#58
 Fluorene
 Concen: 7.684 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF117873.D
 Acq: 19 Nov 2019 21:30

Instrument :
 BNA_F
 ClientSampleId :
 UC-TP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		179887		
165	97.5	78.4	117.6		
167	14.8	11.0	16.4		

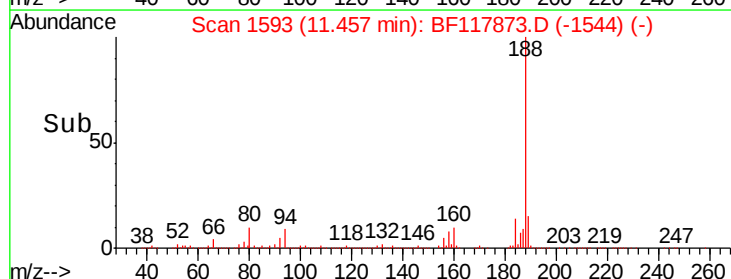
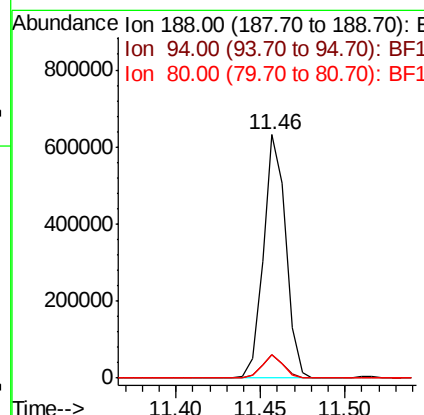
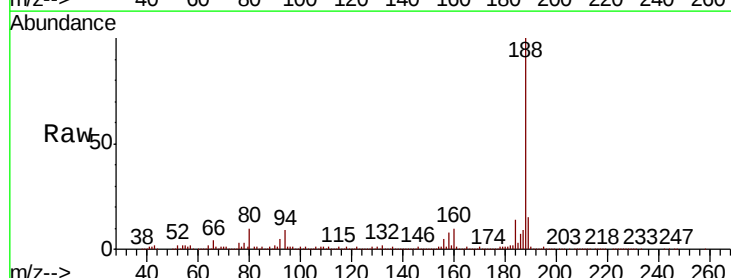
Manual Integrations
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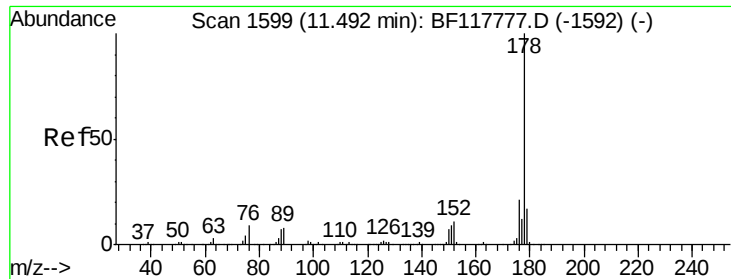
mohammad
 11/20/2019 1:49:36 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF117873.D
 Acq: 19 Nov 2019 21:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		581353		
94	9.4	6.6	10.0		
80	9.7	7.2	10.8		





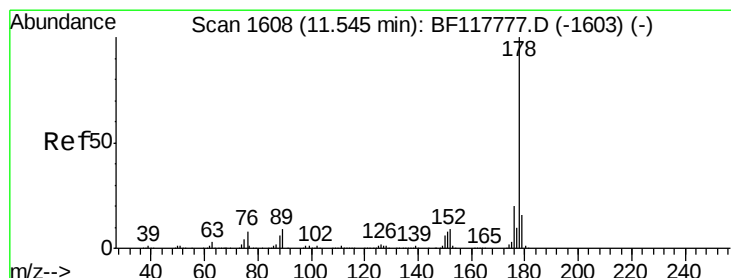
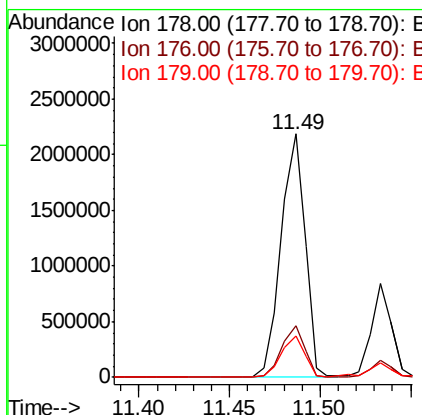
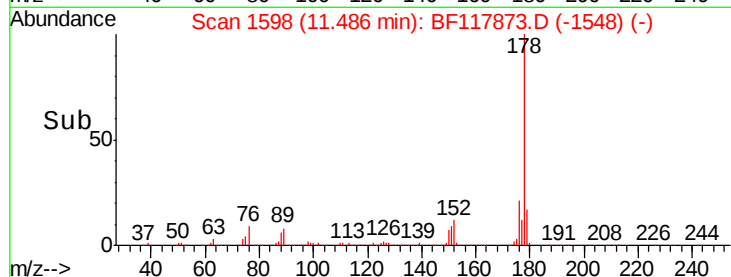
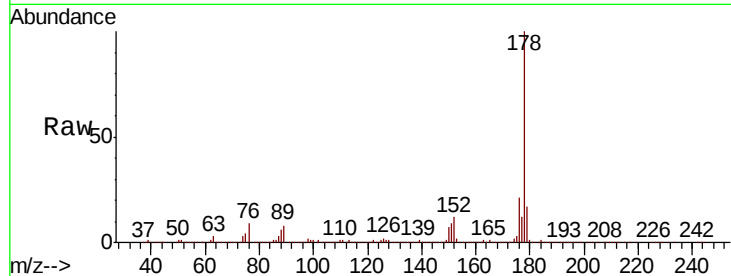
#71
Phenanthrene
Concen: 69.177 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Instrument :
BNA_F
ClientSampled :
UC-TP

Tot Ion:178 Resp: 2021951
Ion Ratio Lower Upper
178 100
176 21.3 16.6 25.0
179 16.8 13.2 19.8

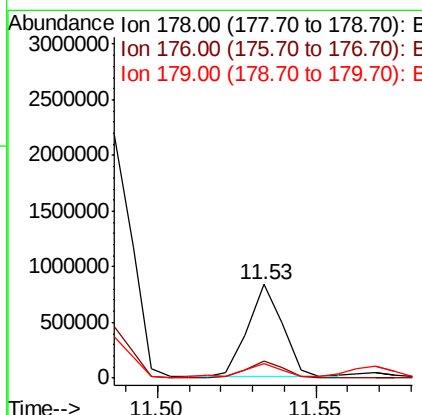
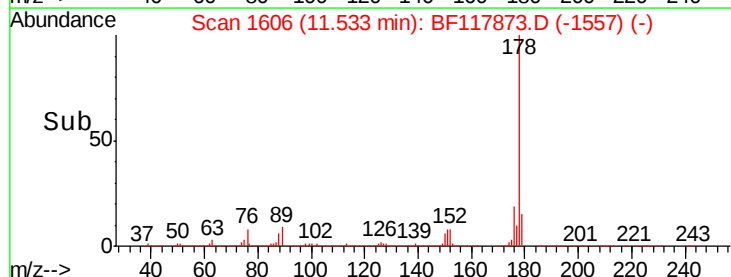
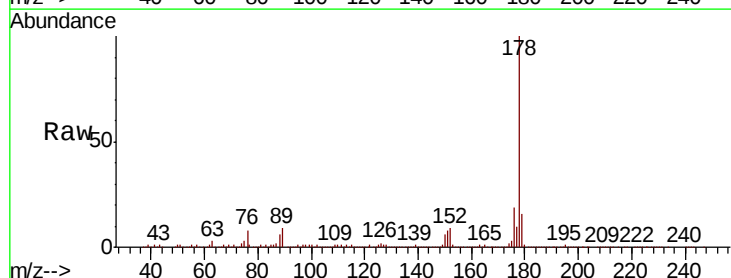
Manual Integrations
APPROVED

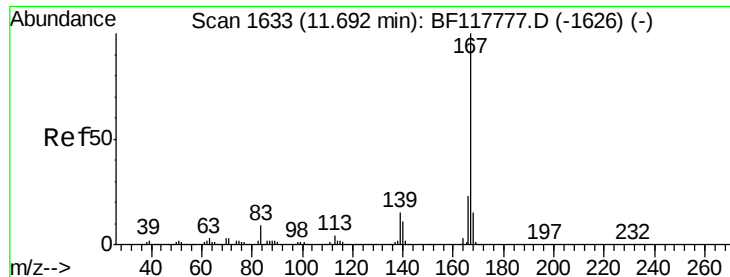
mohammad
11/20/2019 1:49:36 PM



#72
Anthracene
Concen: 21.930 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Tgt Ion:178 Resp: 635513
Ion Ratio Lower Upper
178 100
176 18.8 16.1 24.1
179 15.6 13.0 19.4





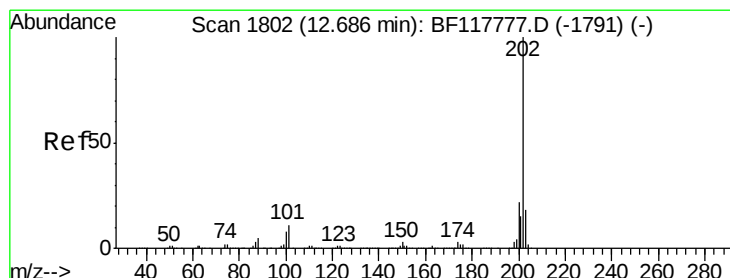
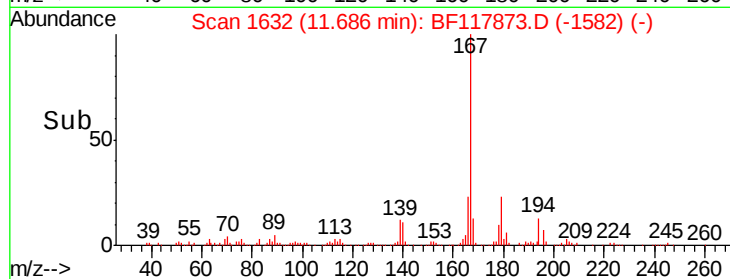
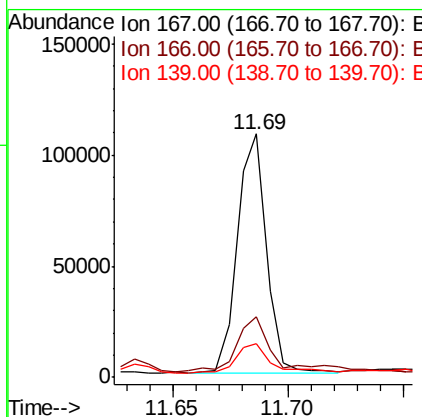
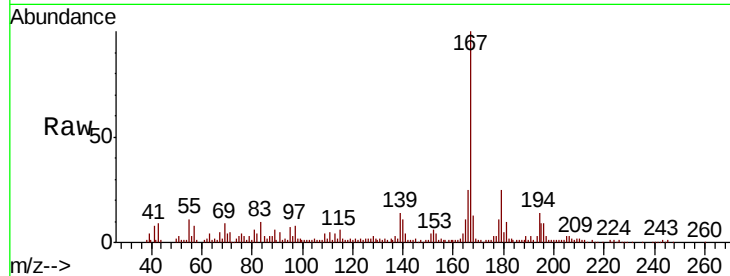
#73
 Carbazole
 Concen: 3.735 ng
 RT: 11.69 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BF117873.D
 Acq: 19 Nov 2019 21:30

Instrument :
 BNA_F
 ClientSampled :
 UC-TP

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.1	18.0	27.0
139	13.8	11.7	17.5

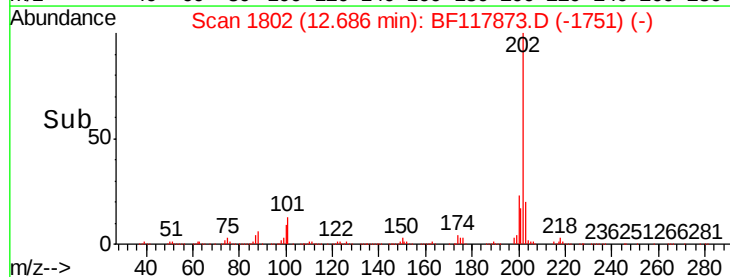
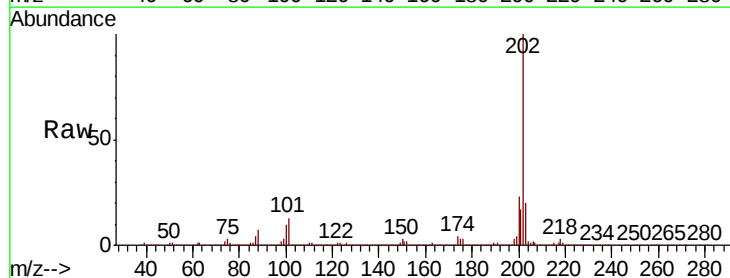
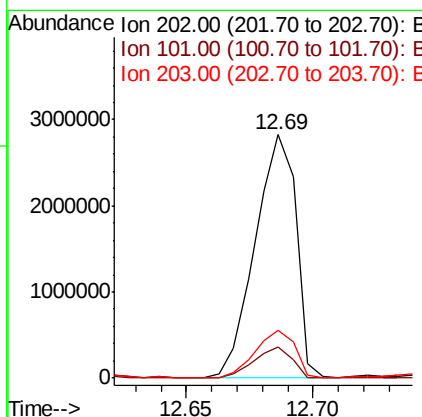
Manual Integrations
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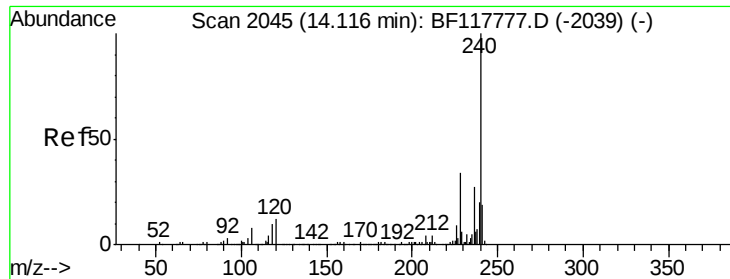
mohammad
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#75
 Fluoranthene
 Concen: 134.339 ng
 RT: 12.69 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: BF117873.D
 Acq: 19 Nov 2019 21:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	31.1
203	19.8	0.0	38.2





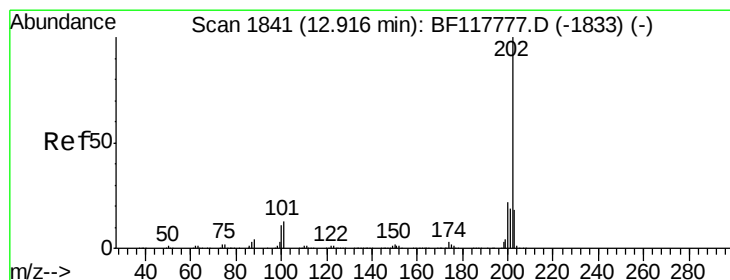
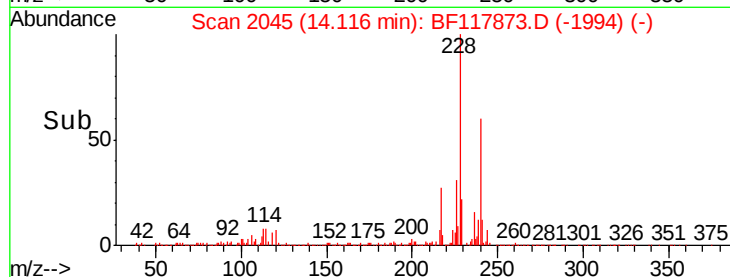
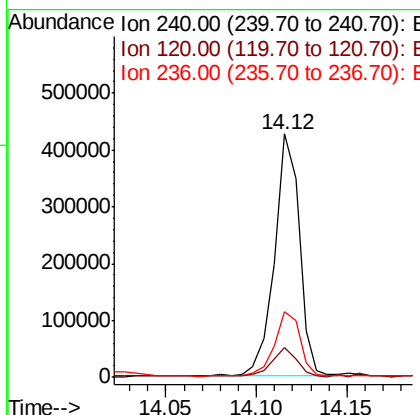
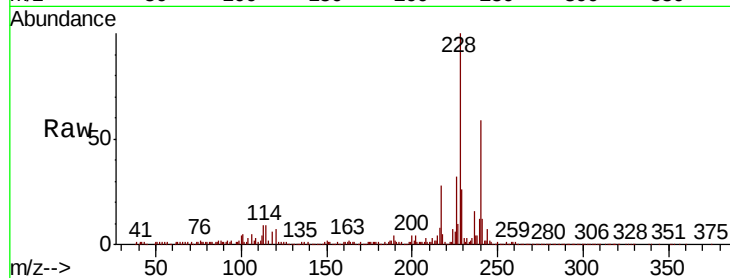
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.12 min Scan# 2045
Delta R.T. 0.00 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Instrument :
BNA_F
ClientSampled :
UC-TP

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.5	14.3
236	27.0	21.3	31.9

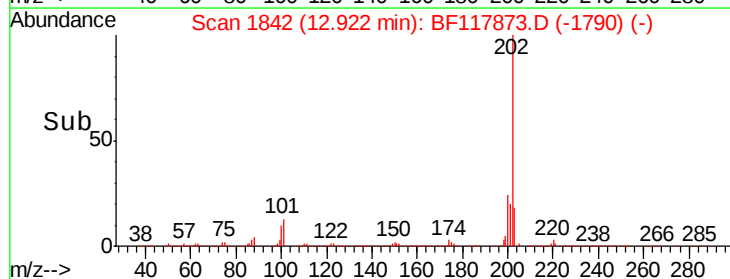
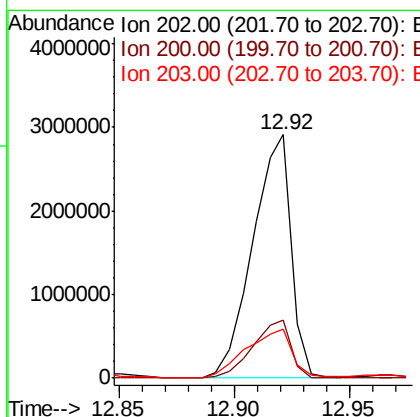
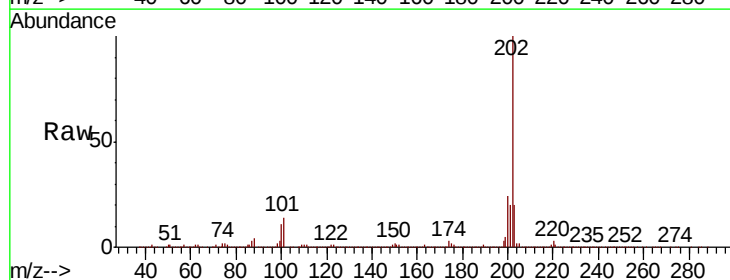
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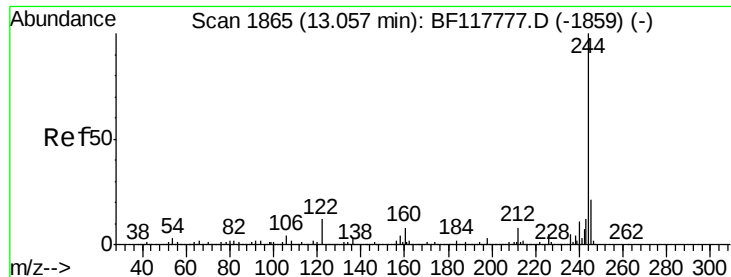
mohammad
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#78
Pyrene
Concen: 101.967 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.01 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.9	17.8	26.8
203	19.9	14.6	22.0





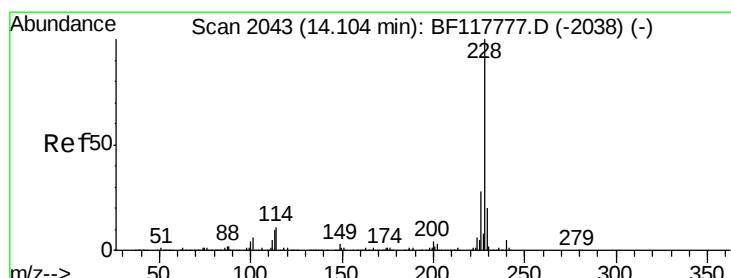
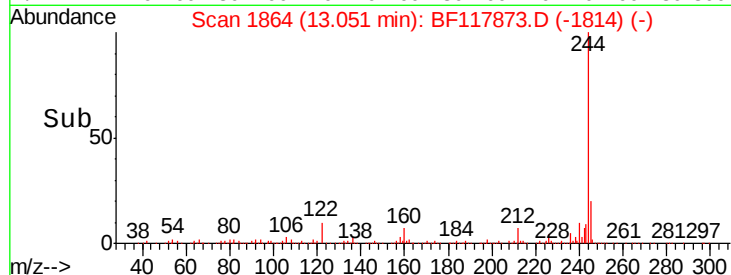
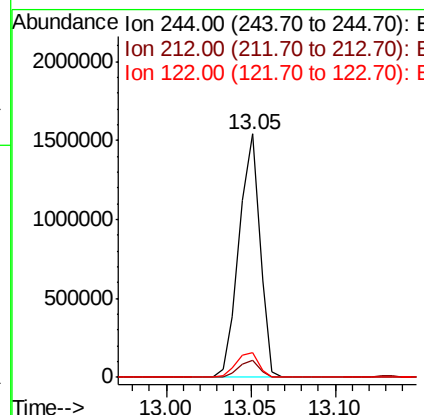
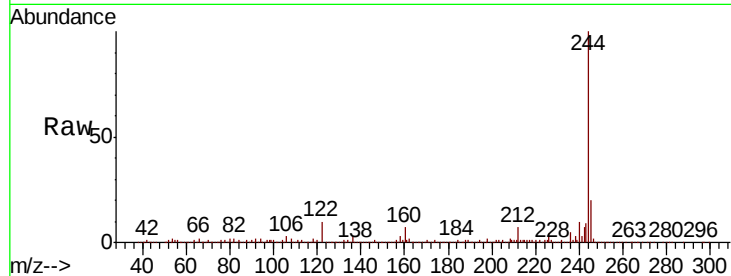
#79
 Terphenyl-d14
 Concen: 59.159 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF117873.D
 Acq: 19 Nov 2019 21:30

Instrument :
 BNA_F
 ClientSampleId :
 UC-TP

Tot Ion:244 Resp: 1320033
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.3 9.5
 122 10.0 9.4 14.2

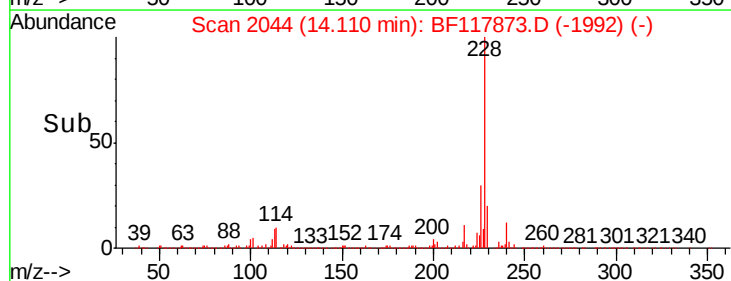
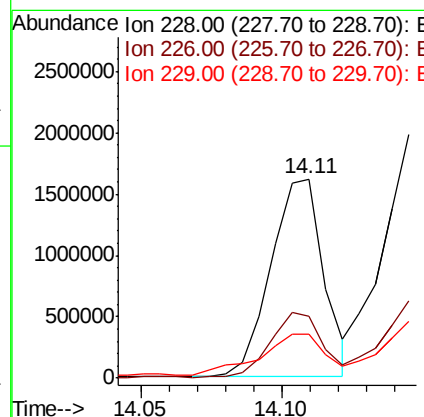
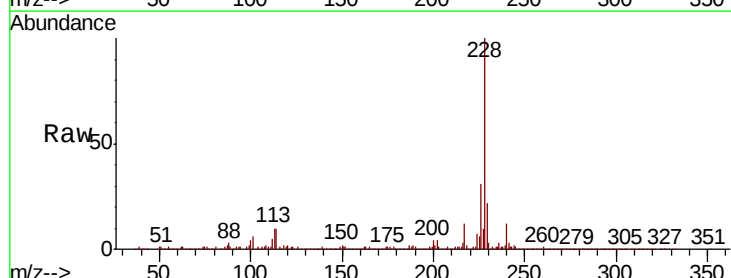
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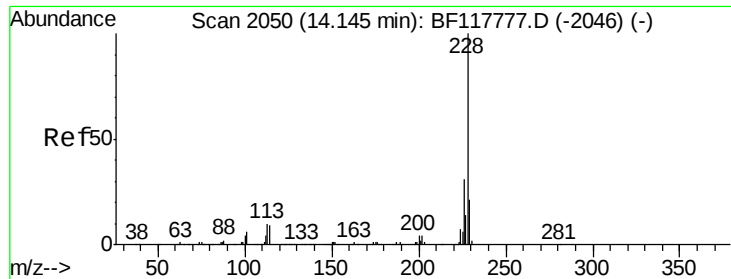
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#81
 Benzo(a)anthracene
 Concen: 77.778 ng
 RT: 14.11 min Scan# 2044
 Delta R.T. 0.01 min
 Lab File: BF117873.D
 Acq: 19 Nov 2019 21:30

Tgt Ion:228 Resp: 2095943
 Ion Ratio Lower Upper
 228 100
 226 31.2 22.2 33.2
 229 22.2 15.9 23.9





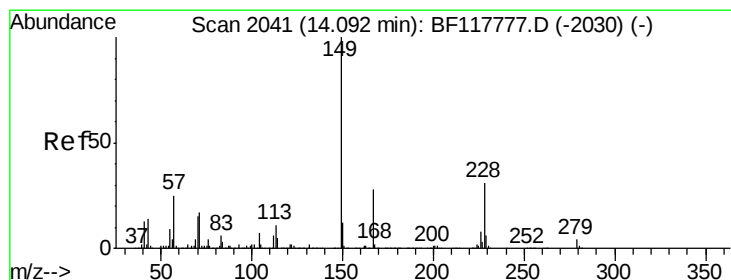
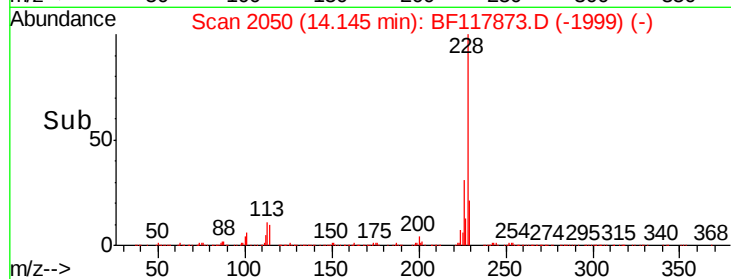
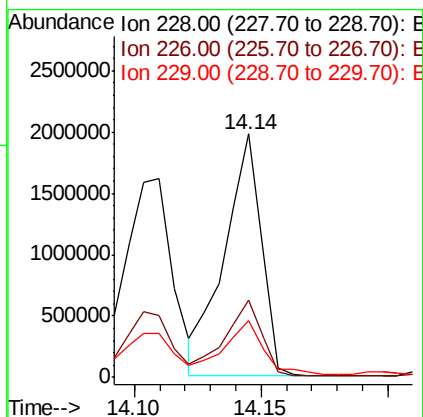
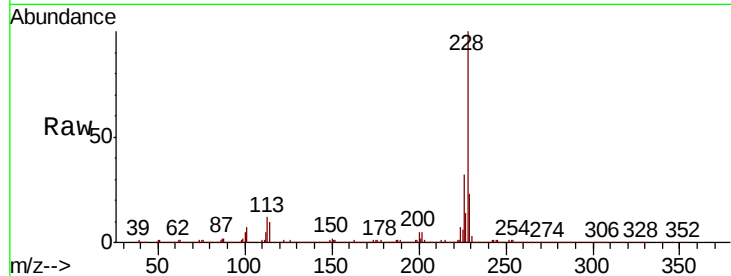
#83
Chrysene
Concen: 76.635 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Instrument :
BNA_F
ClientSampleId :
UC-TP

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.0	37.4
229	23.3	16.6	25.0

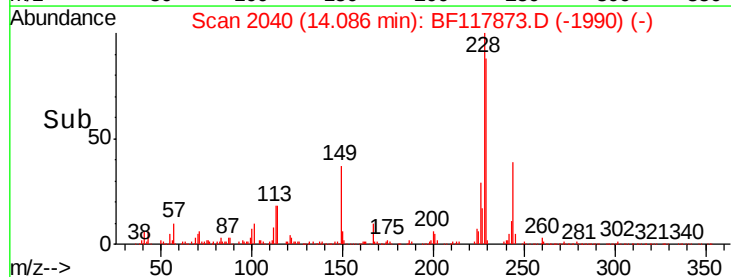
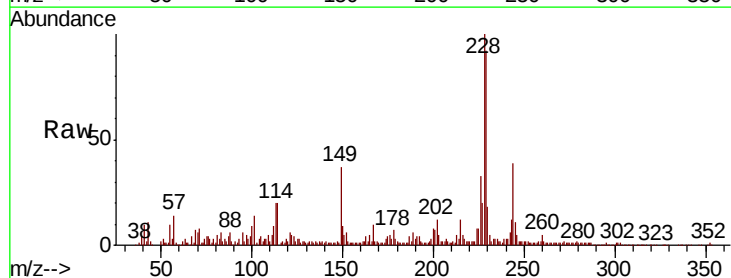
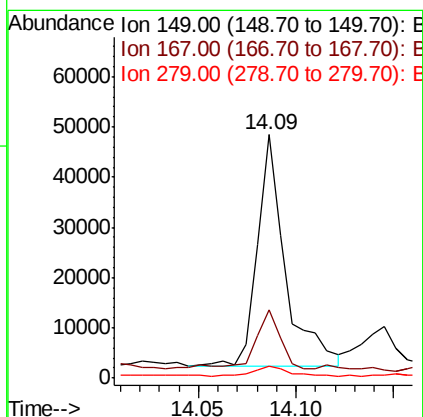
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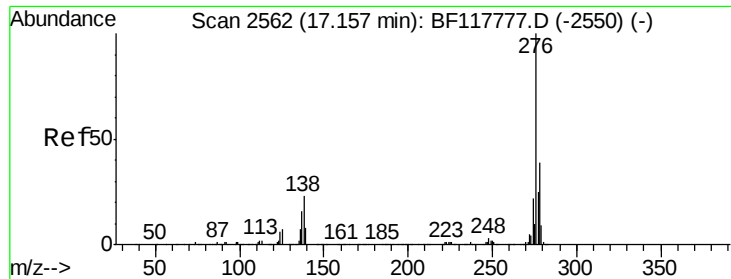
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.680 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.2	33.2
279	4.7	3.4	5.2





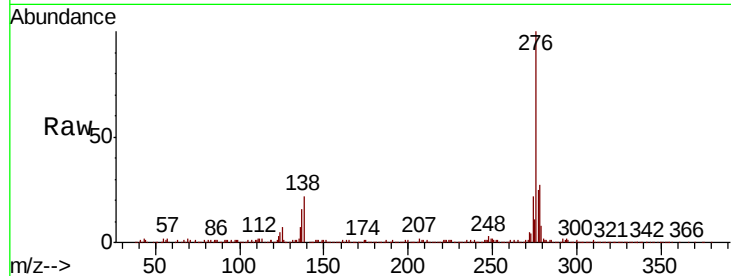
#86
Indeno(1,2,3-cd)pyrene
Concen: 30.704 ng
RT: 17.16 min Scan# 2563
Delta R.T. 0.01 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Instrument :
BNA_F
ClientSampleId :
UC-TP

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	20.9	31.3
277	25.1	20.3	30.5

Manual Integrations
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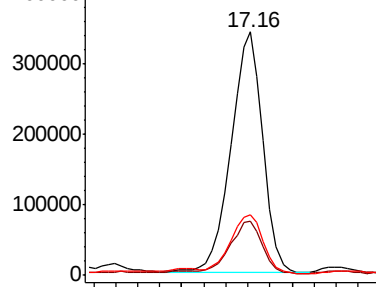


Abundance

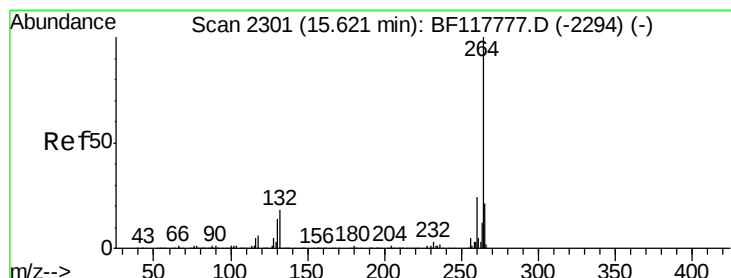
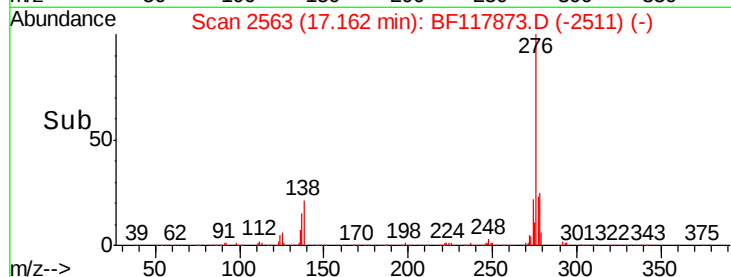
Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

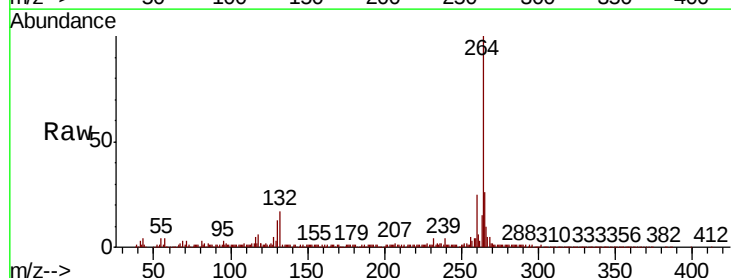


Time-->



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.0
265	26.0	17.1	25.7#

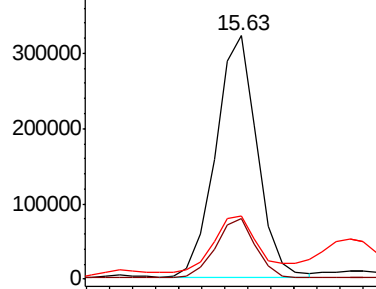


Abundance

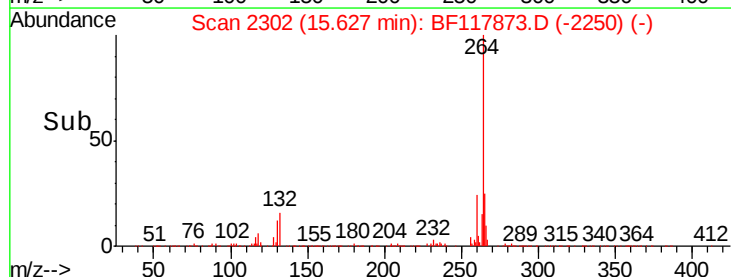
Ion 264.00 (263.70 to 264.70): E

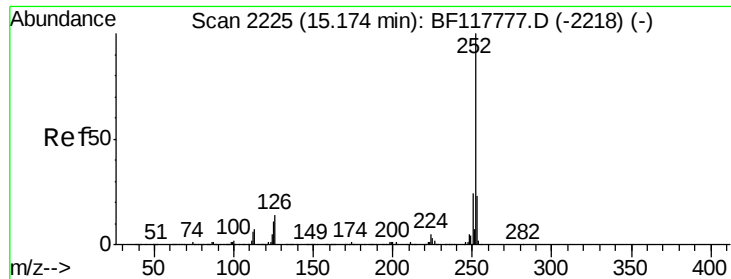
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





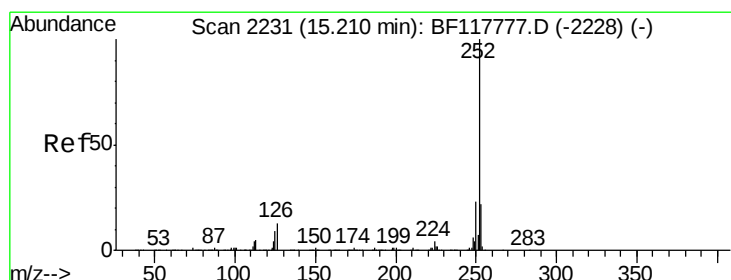
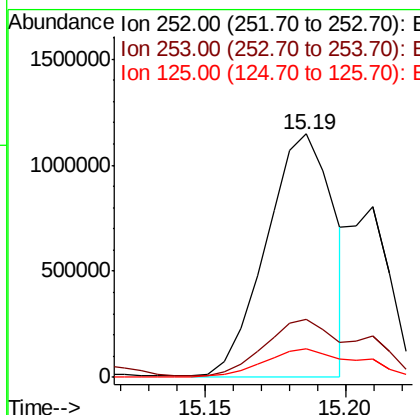
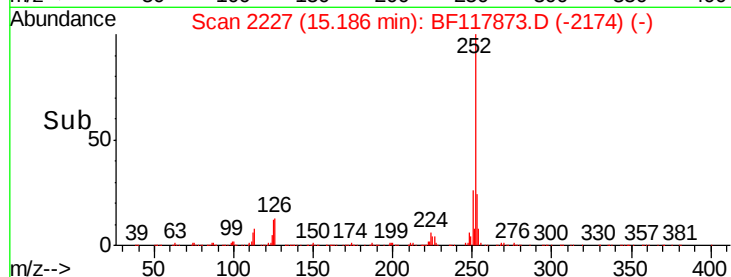
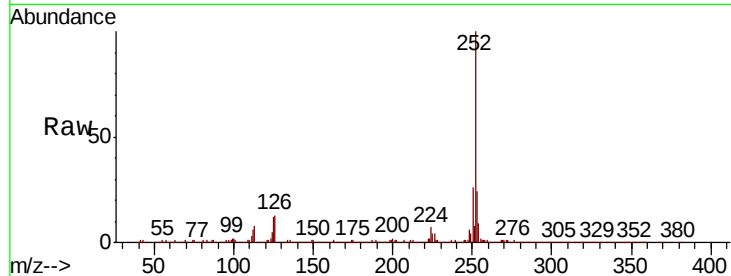
#88
Benzo(b)fluoranthene
Concen: 74.766 ng m
RT: 15.19 min Scan# 2227
Delta R.T. 0.01 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Instrument :
BNA_F
ClientSampleId :
UC-TP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	11.9	8.6	13.0

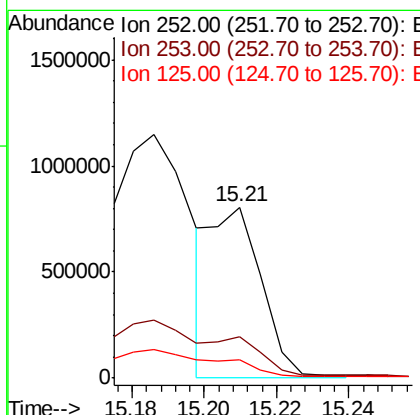
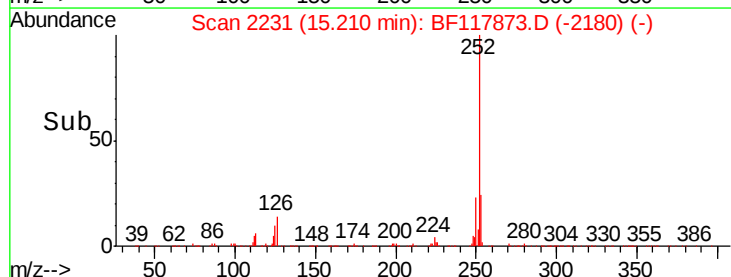
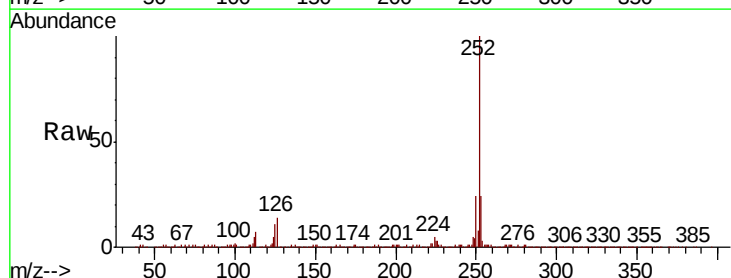
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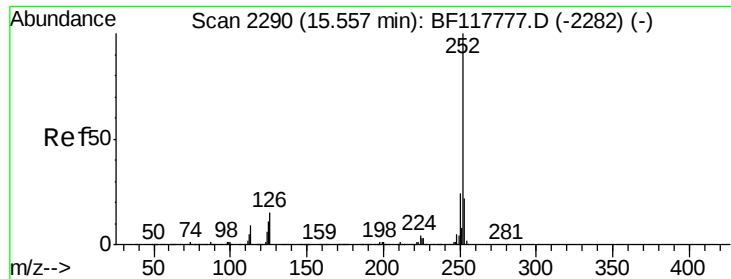
mohammad
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#89
Benzo(k)fluoranthene
Concen: 31.607 ng m
RT: 15.21 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	10.6	7.9	11.9





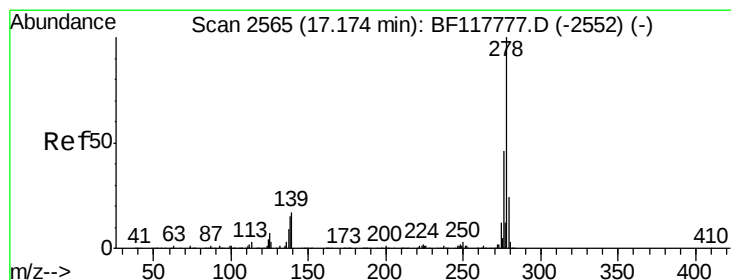
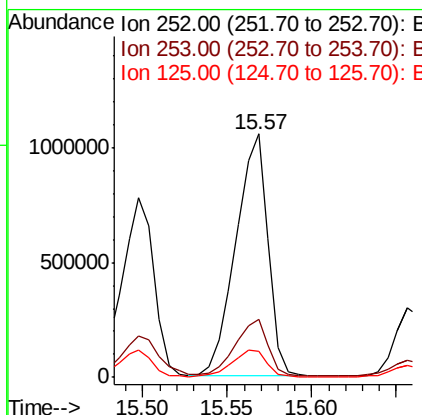
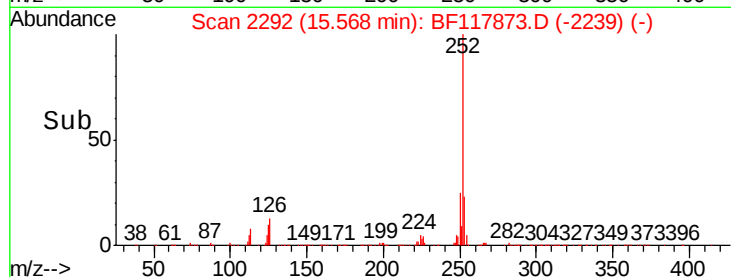
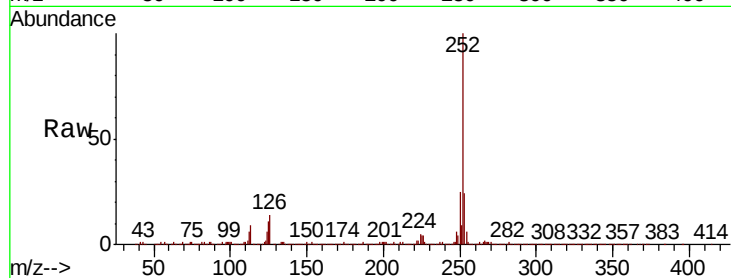
#90
Benzo(a)pyrene
Concen: 61.685 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.01 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Instrument :
BNA_F
ClientSampleId :
UC-TP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	10.7	9.2	13.8

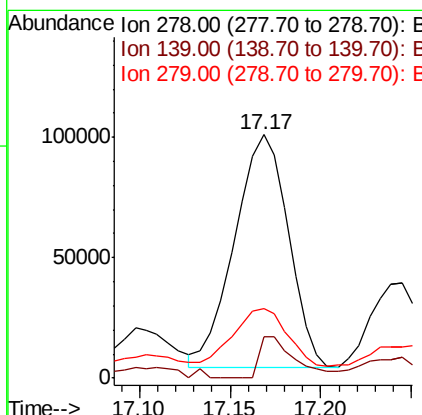
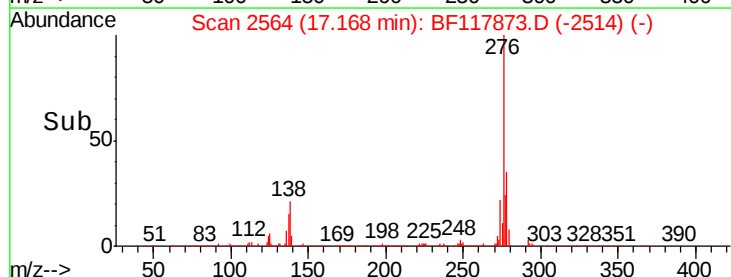
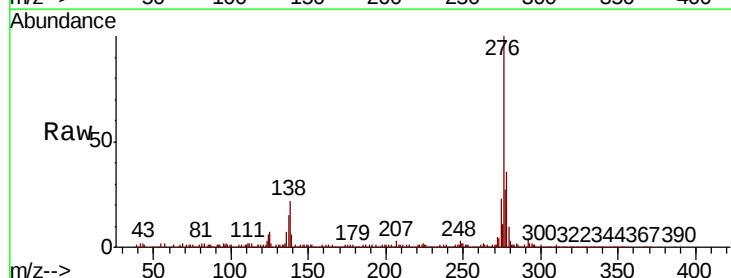
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APPROVED

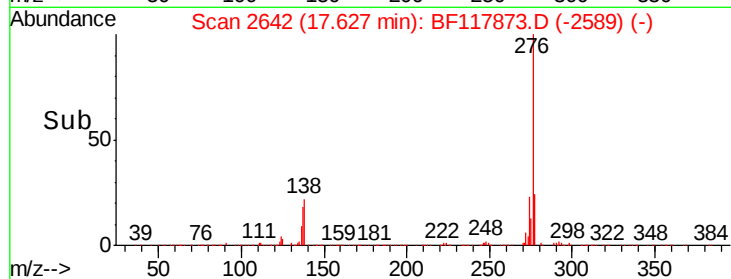
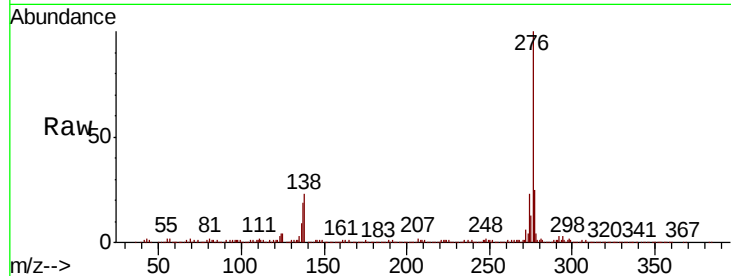
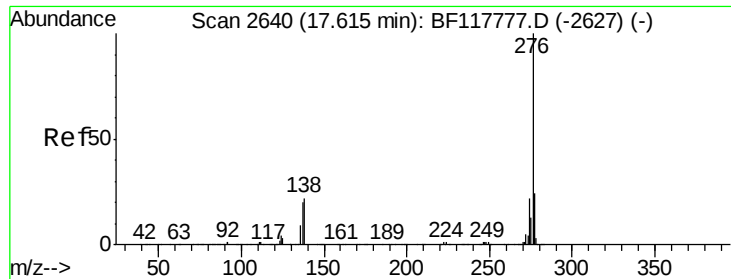
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 10.146 ng
RT: 17.17 min Scan# 2564
Delta R.T. -0.01 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.8	13.8	20.8
279	28.4	19.6	29.4





#92
Benzo(a,h,i)perylene
Concen: 33.569 ng
RT: 17.63 min Scan# 2642
Delta R.T. 0.01 min
Lab File: BF117873.D
Acq: 19 Nov 2019 21:30

Tot Ion:	276	Resp:	654696
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.9	28.3
138	22.8	17.4	26.2

Instrument :
BNA_F
ClientSampleId :
UC-TP

Manual Integrations
APPROVED

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