

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
 Data File : BF118433.D
 Acq On : 2 Jan 2020 14:10
 Operator : JU
 Sample : K6462-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K500-1

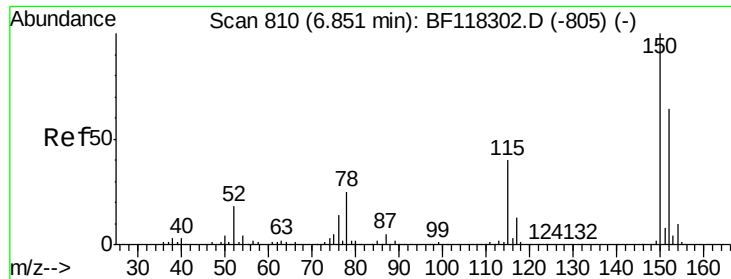
Manual Integrations
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mohammad
 1/3/2020 11:04:04 AM

Quant Time: Jan 02 16:50:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	65638	20.00	ng	0.01
21) Naphthalene-d8	8.16	136	236035	20.00	ng	0.02
39) Acenaphthene-d10	9.93	164	152158	20.00	ng	0.04
64) Phenanthrene-d10	11.43	188	215565	20.00	ng	0.04
76) Chrysene-d12	14.06	240	182625	20.00	ng	0.00
87) Perylene-d12	15.53	264	210663	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	358726	93.29	ng	0.00
7) Phenol-d6	6.49	99	500457	104.91	ng	0.00
23) Nitrobenzene-d5	7.43	82	360192	87.28	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	120058	63.89	ng	0.04
45) 2-Fluorobiphenyl	9.23	172	609352	61.13	ng	0.01
79) Terphenyl-d14	13.00	244	661147	60.06	ng	0.02
Target Compounds						
31) Naphthalene	8.18	128	585139	48.774	ng	Qvalue # 82
37) 2-Methylnaphthalene	8.89	142	1144454	139.334	ng	97
38) 1-Methylnaphthalene	8.98	142	691624m	89.374	ng	
46) 1,1'-Biphenyl	9.34	154	243217	20.209	ng	97
50) Dimethylphthalate	9.63	163	59212	5.184	ng	# 58
52) Acenaphthene	9.96	154	45346	5.182	ng	# 33
58) Fluorene	10.48	166	115231	11.041	ng	# 71
71) Phenanthrene	11.45	178	134504	11.446	ng	# 85
72) Anthracene	11.54	178	74946	6.372	ng	# 1
78) Pyrene	12.88	202	63939m	4.287	ng	

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



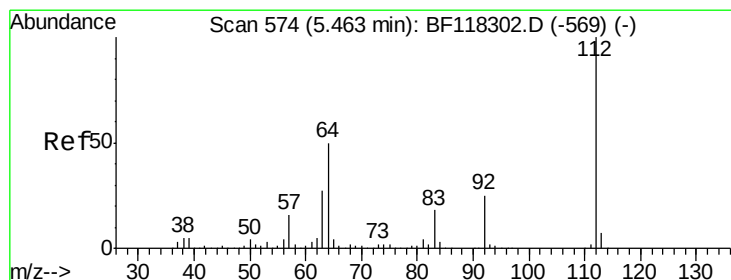
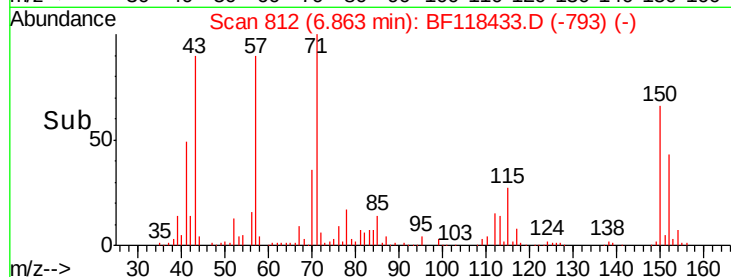
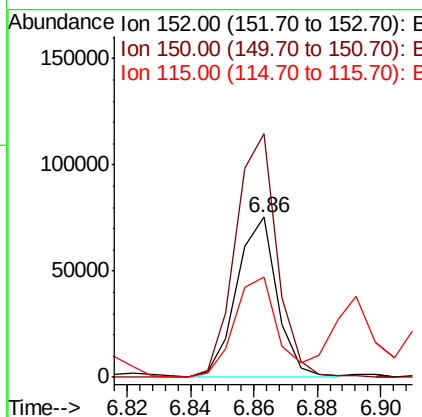
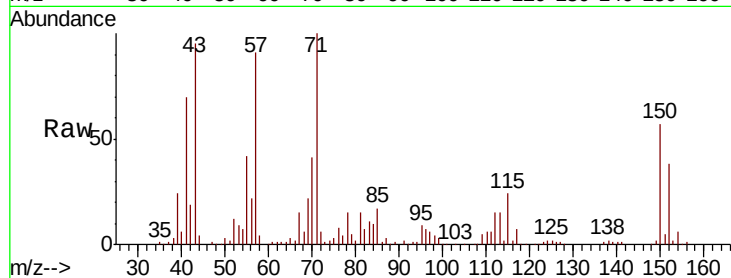
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: BF118433.D
 Acq: 2 Jan 2020 14:10

Instrument :
 BNA_F
 ClientSampleId :
 K500-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	125.4	188.2
115	63.0	50.2	75.4

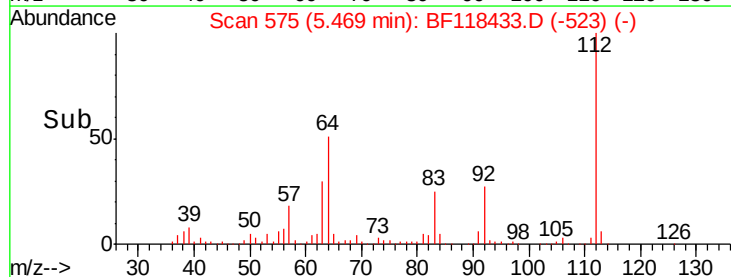
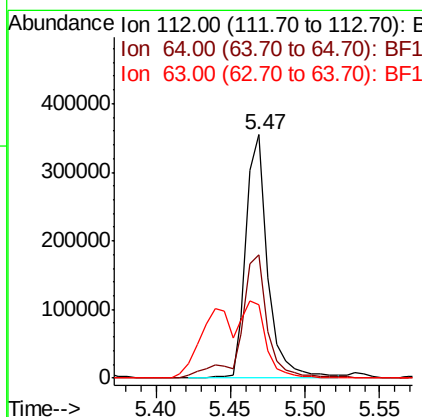
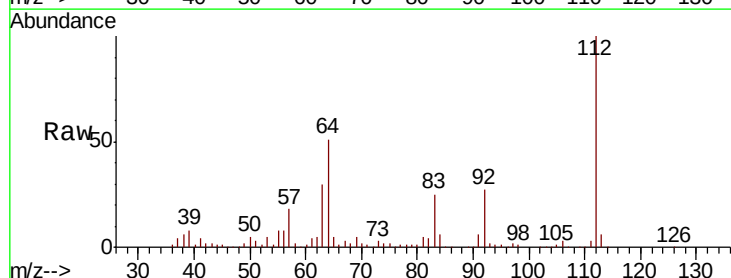
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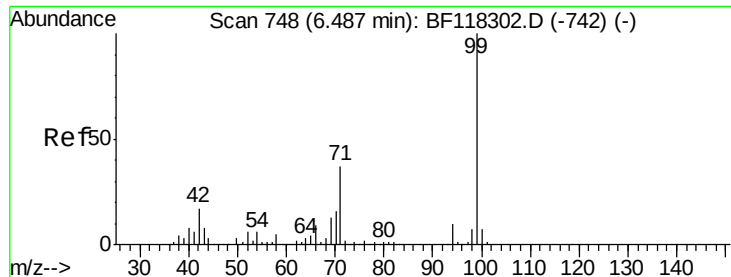
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#5
 2-Fluorophenol
 Concen: 93.291 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF118433.D
 Acq: 2 Jan 2020 14:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.5	39.7	59.5
63	29.9	21.7	32.5





#7

Phenol-d6

Concen: 104.915 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF118433.D

Acq: 2 Jan 2020 14:10

Instrument :

BNA_F

ClientSampled :

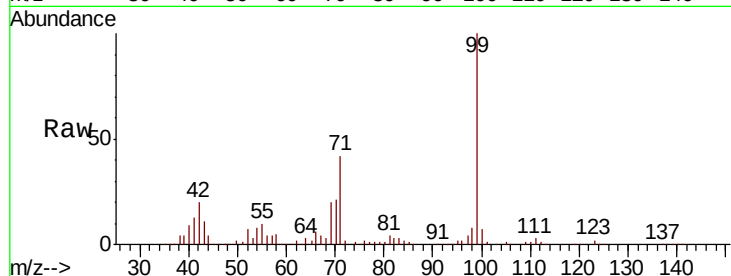
K500-1

Tot Ion: 99 Resp: 500457

Ion	Ratio	Lower	Upper
99	100		
42	20.5	13.5	20.3#
71	41.8	29.4	44.2

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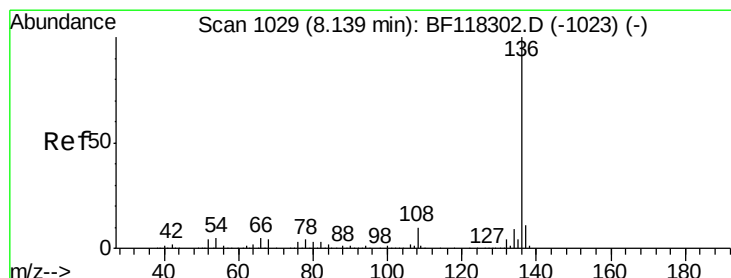
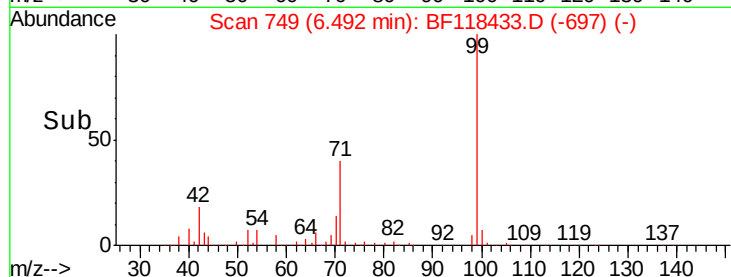
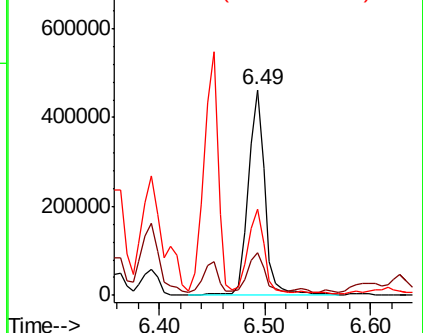


Abundance

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: 8.16 min Scan# 1032

Delta R.T. 0.02 min

Lab File: BF118433.D

Acq: 2 Jan 2020 14:10

Tgt Ion: 136 Resp: 236035

Ion	Ratio	Lower	Upper
136	100		
137	15.9	8.9	13.3#
54	40.1	4.2	6.4#
68	29.2	3.5	5.3#

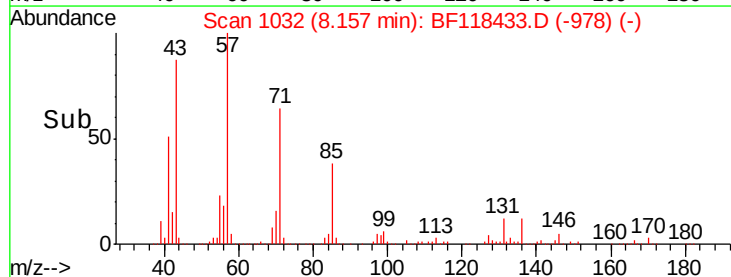
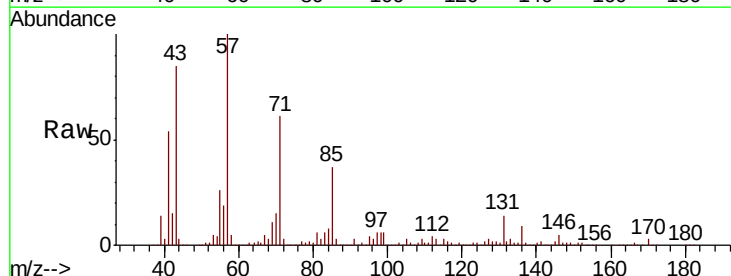
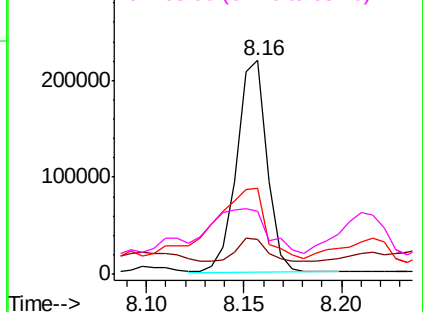
Abundance

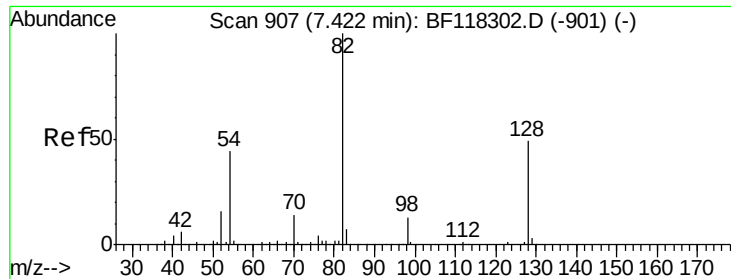
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





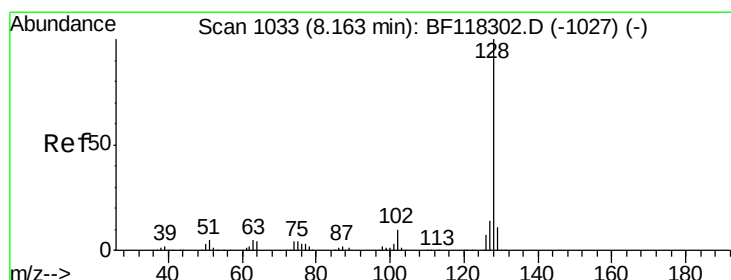
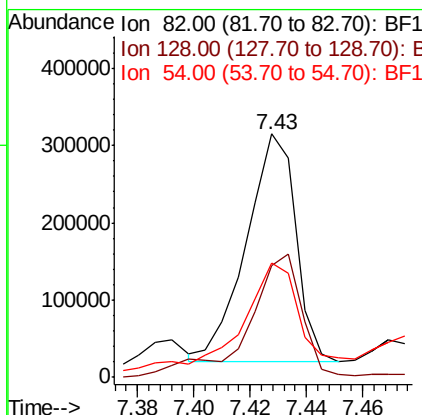
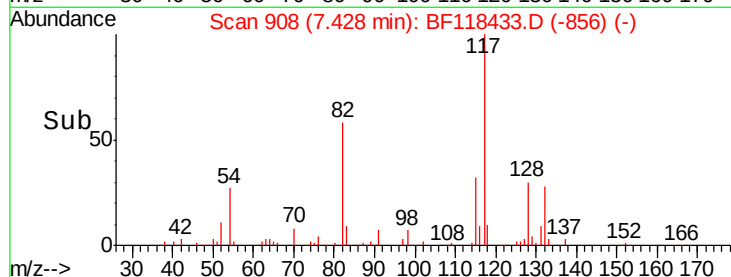
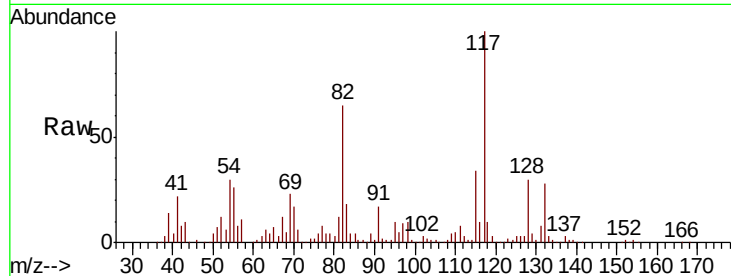
#23
Nitrobenzene-d5
Concen: 87.280 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.01 min
Lab File: BF118433.D
Acq: 2 Jan 2020 14:10

Instrument :
BNA_F
ClientSampleId :
K500-1

Tot Ion:	82	Resp:	360192
Ion Ratio	Lower	Upper	
82	100		
128	45.7	39.6	59.4
54	47.1	34.9	52.3

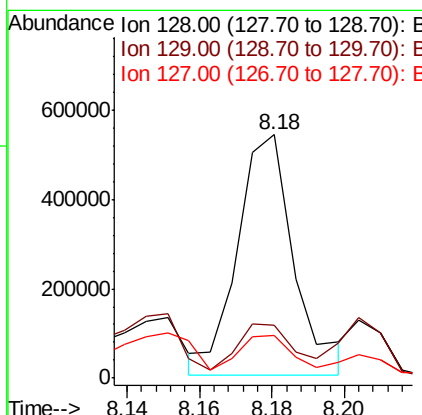
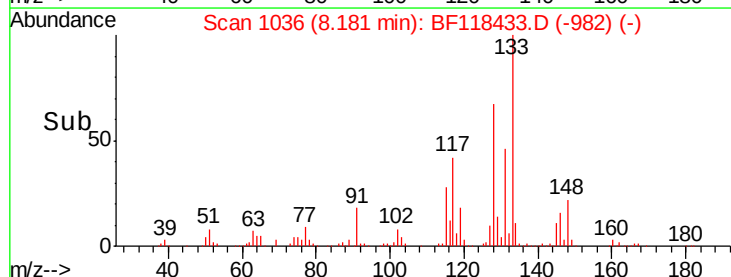
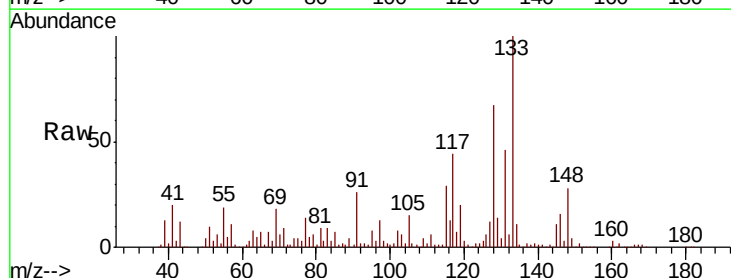
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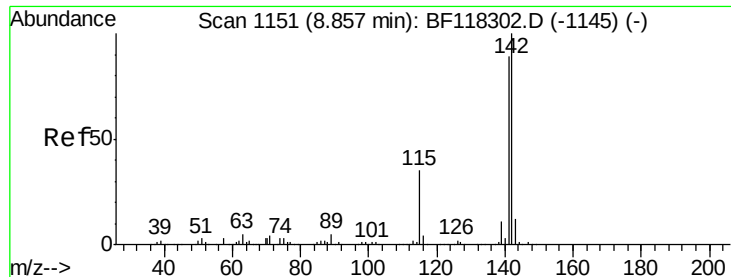
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#31
Naphthalene
Concen: 48.774 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.02 min
Lab File: BF118433.D
Acq: 2 Jan 2020 14:10

Tgt Ion:	128	Resp:	585139
Ion Ratio	Lower	Upper	
128	100		
129	21.5	9.0	13.4#
127	17.8	11.0	16.4#





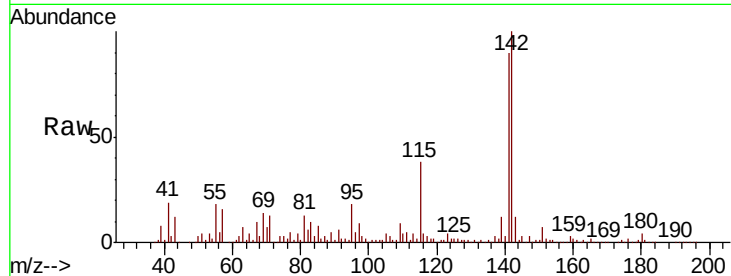
#37
2-Methylnaphthalene
Concen: 139.334 ng
RT: 8.89 min Scan# 1156
Delta R.T. 0.03 min
Lab File: BF118433.D
Acq: 2 Jan 2020 14:10

Instrument :
BNA_F
ClientSampleId :
K500-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	71.2	106.8
115	38.5	28.0	42.0

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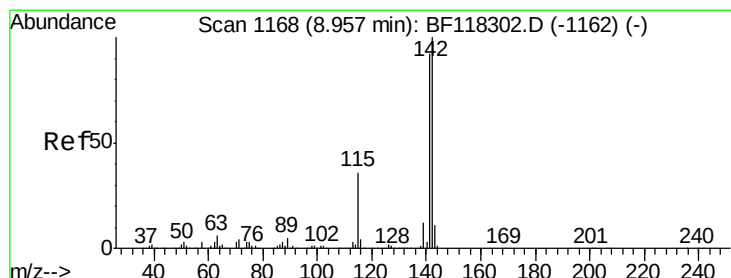
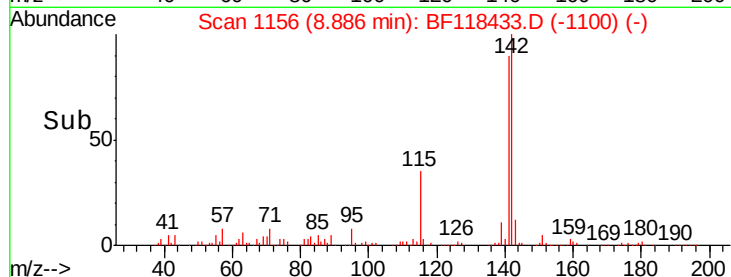
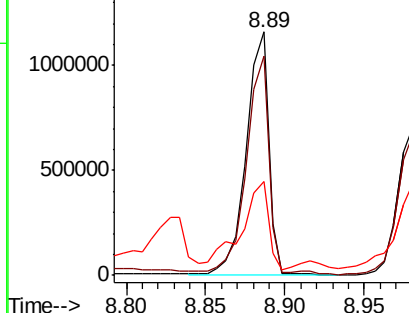


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 89.374 ng m
RT: 8.98 min Scan# 1172
Delta R.T. 0.02 min
Lab File: BF118433.D
Acq: 2 Jan 2020 14:10

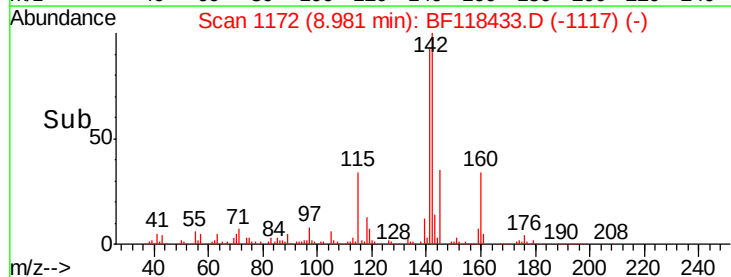
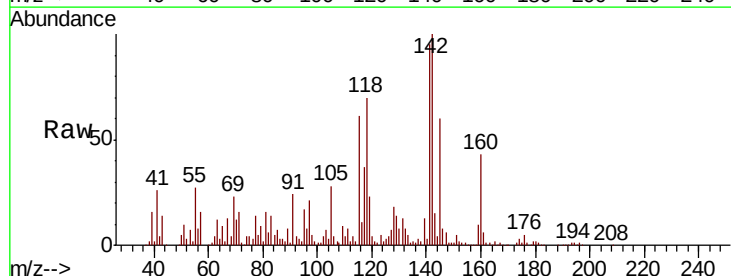
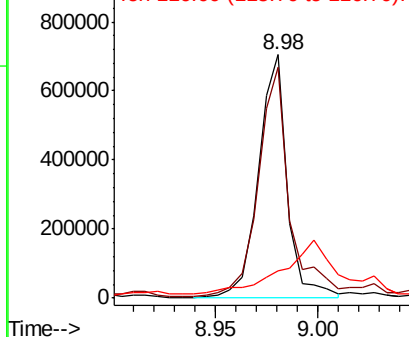
Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.7	73.4	110.2
116	11.4	2.9	4.3#

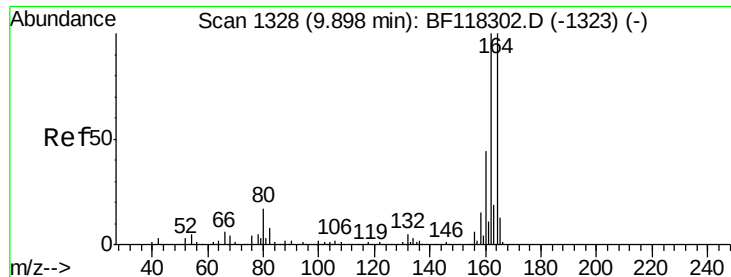
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





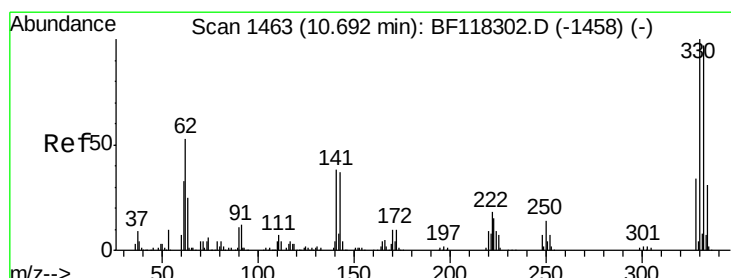
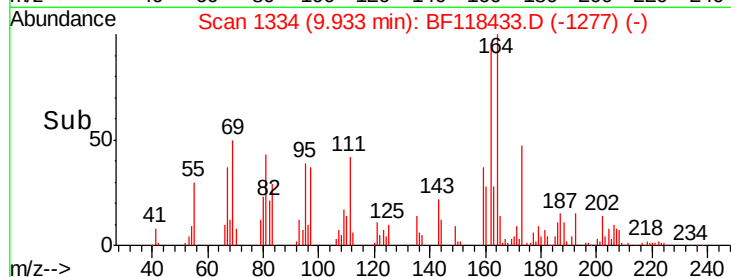
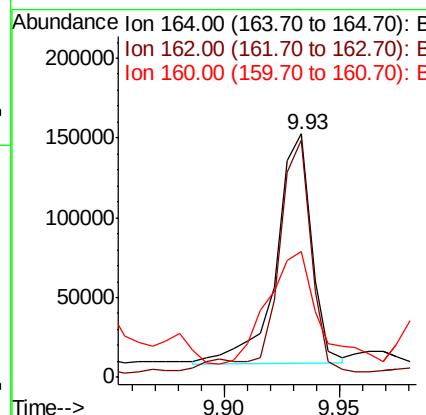
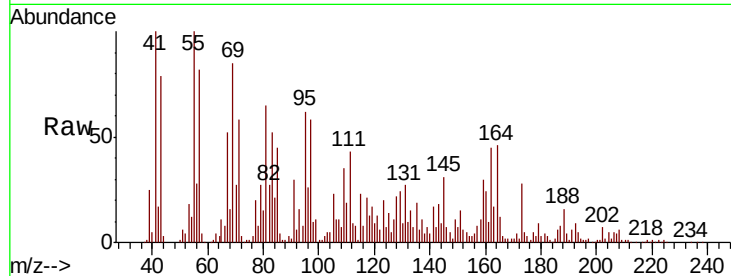
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.04 min
Lab File: BF118433.D
Acq: 2 Jan 2020 14:10

Instrument :
BNA_F
ClientSampled :
K500-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.6	80.0	120.0
160	51.7	34.8	52.2

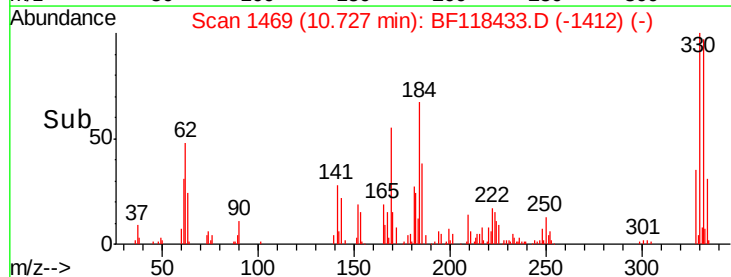
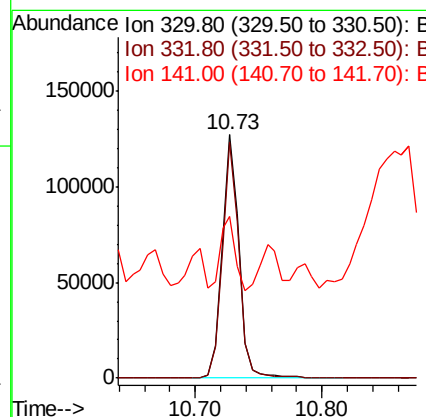
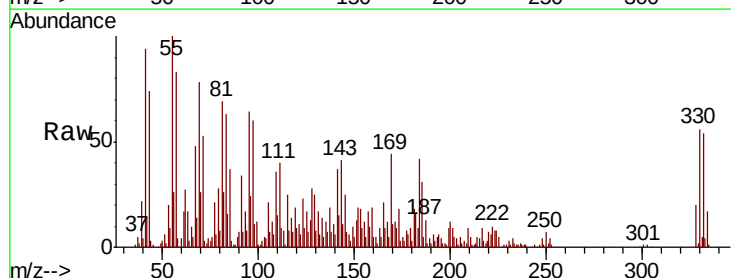
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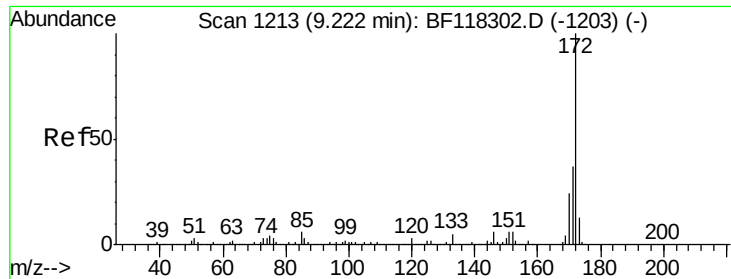
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#42
2,4,6-Tribromophenol
Concen: 63.893 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.04 min
Lab File: BF118433.D
Acq: 2 Jan 2020 14:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.6	114.8
141	26.1	26.0	39.0





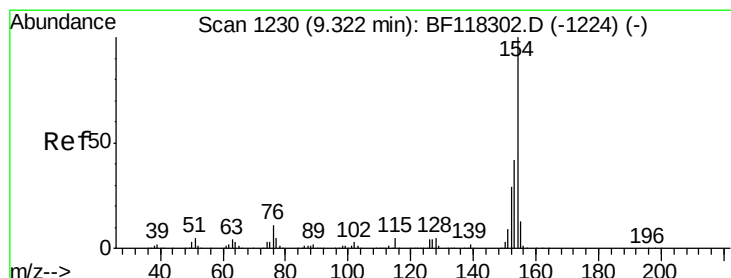
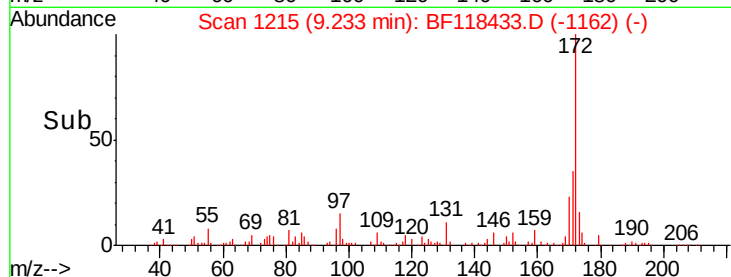
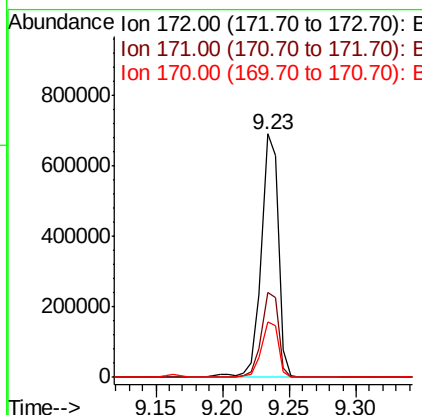
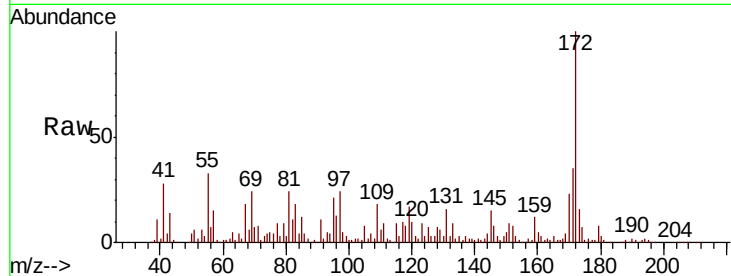
#45
2-Fluorobiphenyl
Concen: 61.131 ng
RT: 9.23 min Scan# 1215
Delta R.T. 0.01 min
Lab File: BF118433.D
Acq: 2 Jan 2020 14:10

Instrument :
BNA_F
ClientSampleId :
K500-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.3	43.9
170	22.7	19.2	28.8

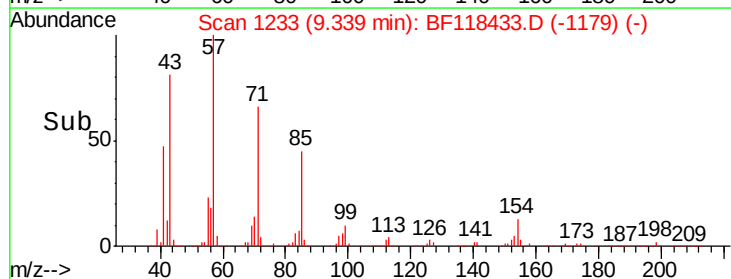
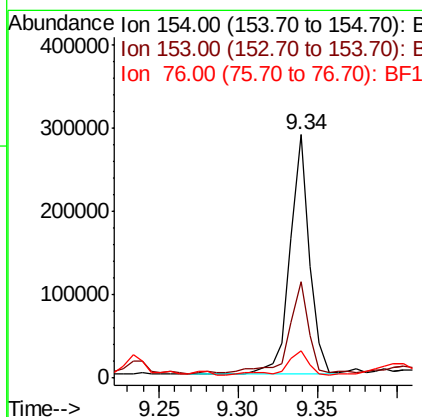
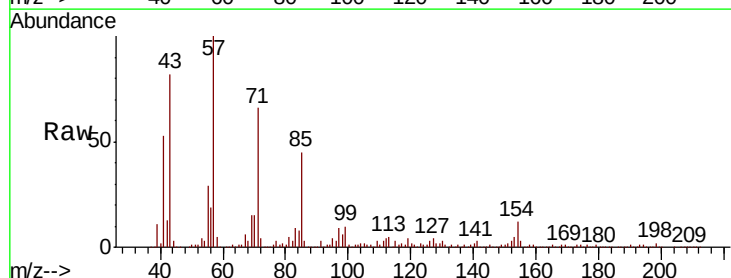
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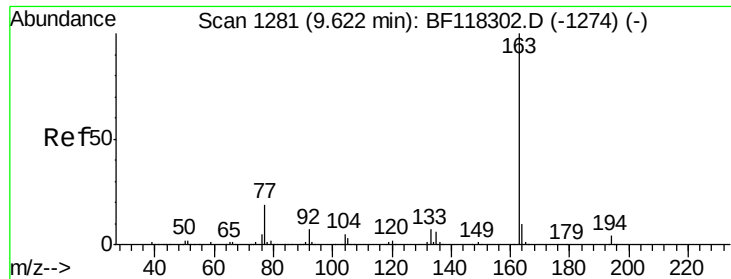
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#46
1,1'-Biphenyl
Concen: 20.209 ng
RT: 9.34 min Scan# 1233
Delta R.T. 0.02 min
Lab File: BF118433.D
Acq: 2 Jan 2020 14:10

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.3	21.8	61.8
76	11.3	0.0	30.9





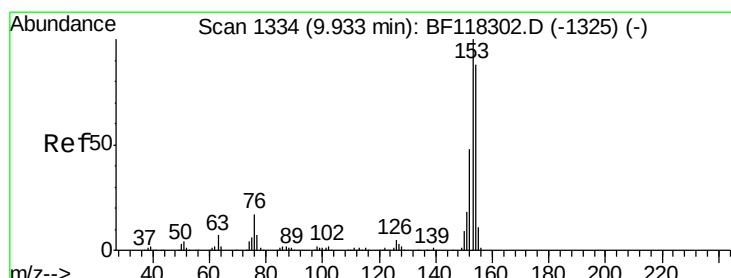
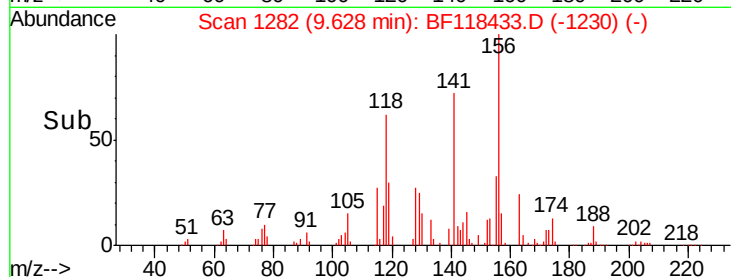
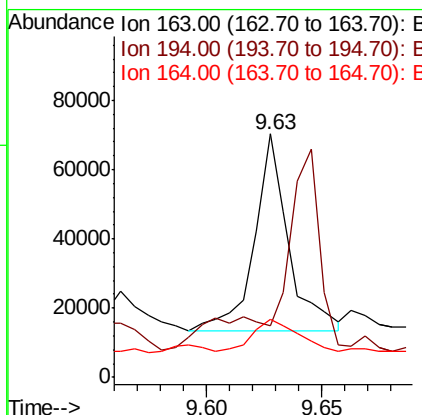
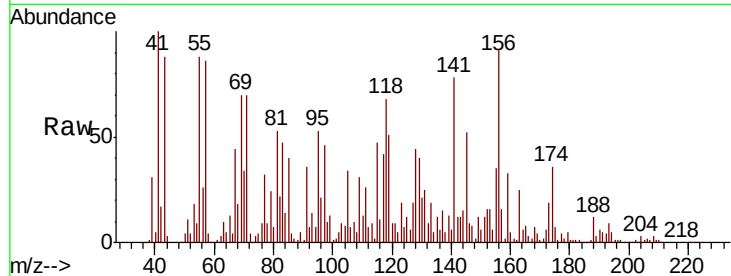
#50
Dimethylphthalate
Concen: 5.184 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.01 min
Lab File: BF118433.D
Acq: 2 Jan 2020 14:10

Instrument :
BNA_F
ClientSampled :
K500-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	21.2	3.2	4.8#	
164	23.9	7.9	11.9#	

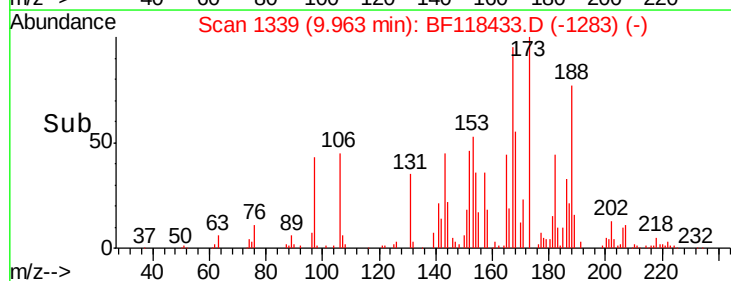
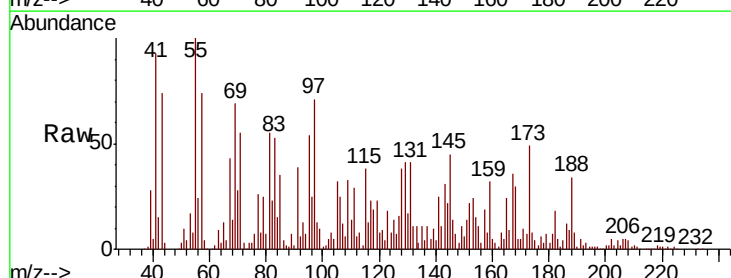
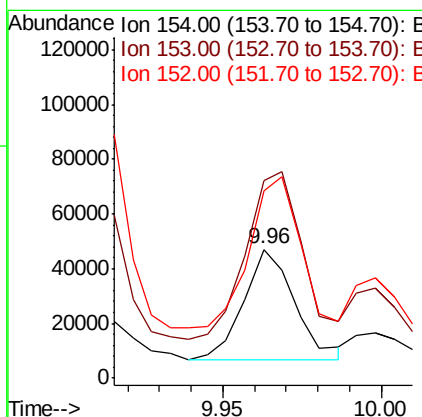
Manual Integrations
APPROVED

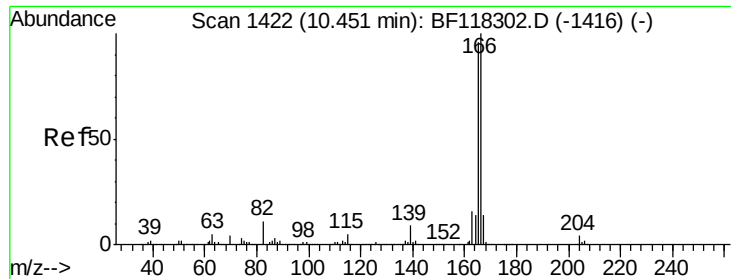
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#52
Acenaphthene
Concen: 5.182 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.03 min
Lab File: BF118433.D
Acq: 2 Jan 2020 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	153.3	90.6	136.0#	
152	145.8	43.1	64.7#	





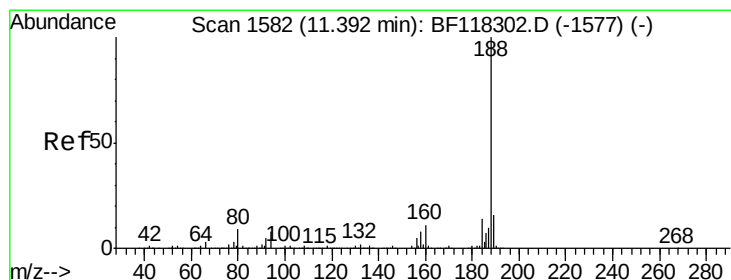
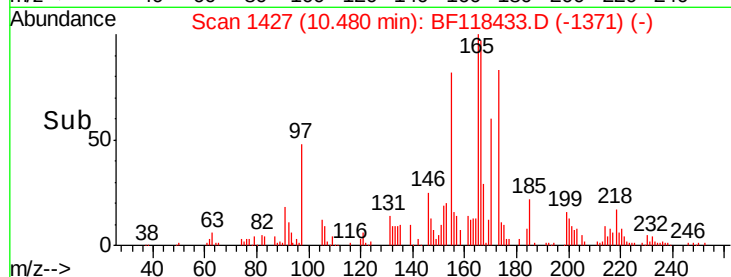
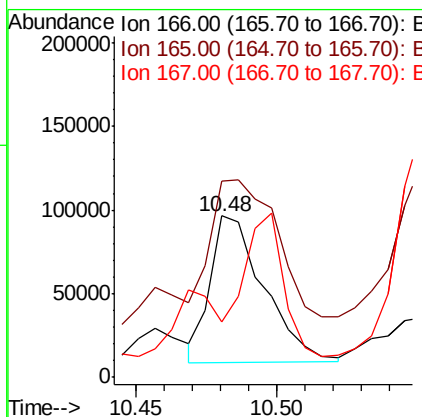
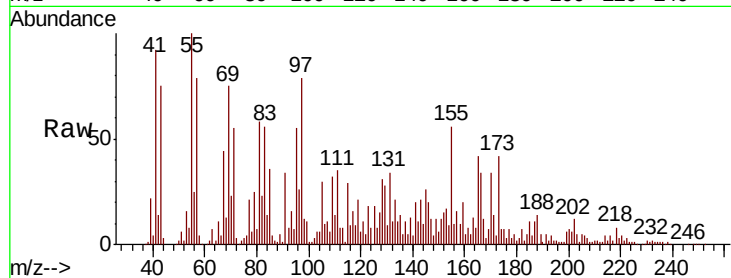
#58
Fluorene
Concen: 11.041 ng
RT: 10.48 min Scan# 1427
Delta R.T. 0.03 min
Lab File: BF118433.D
Acq: 2 Jan 2020 14:10

Instrument :
BNA_F
ClientSampleId :
K500-1

Tot Ion	Ratio	Lower	Upper
166	100		
165	121.8	77.0	115.4#
167	34.7	10.9	16.3#

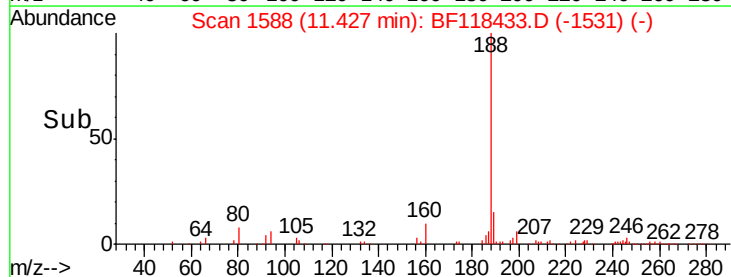
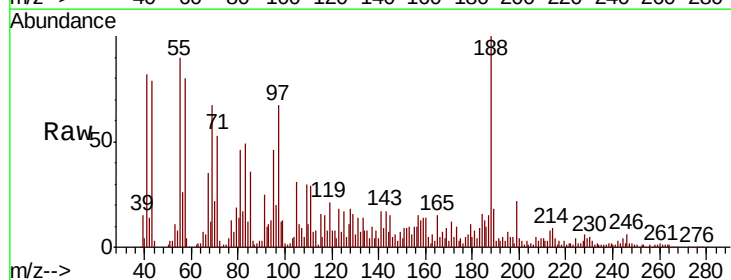
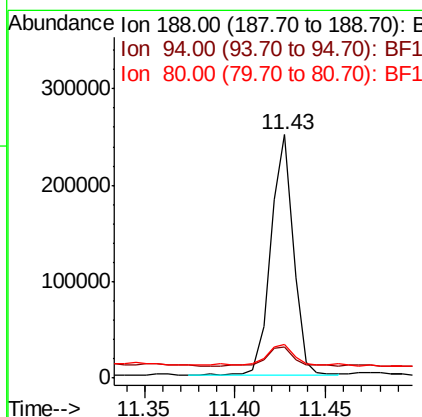
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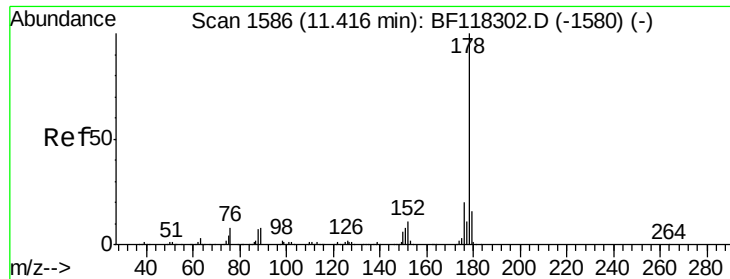
mohammad
1/3/2020 11:04:04 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.04 min
Lab File: BF118433.D
Acq: 2 Jan 2020 14:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.6	6.7	10.1#
80	13.7	7.2	10.8#





#71

Phenanthrene

Concen: 11.446 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.04 min

Lab File: BF118433.D

Acq: 2 Jan 2020 14:10

Instrument :

BNA_F

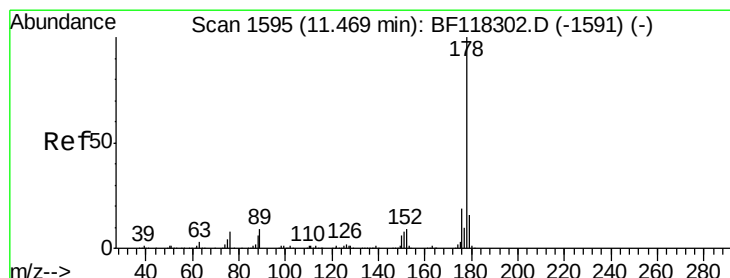
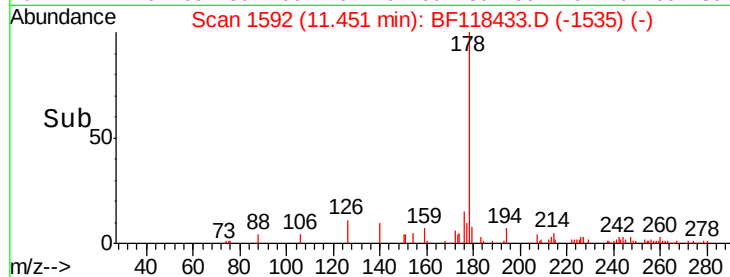
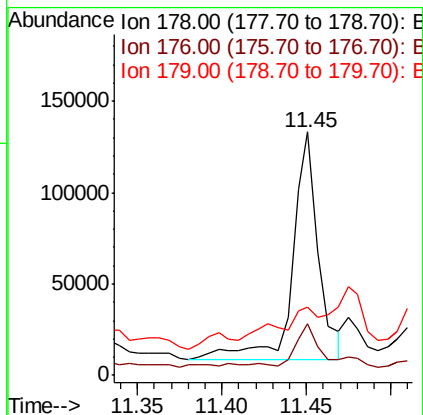
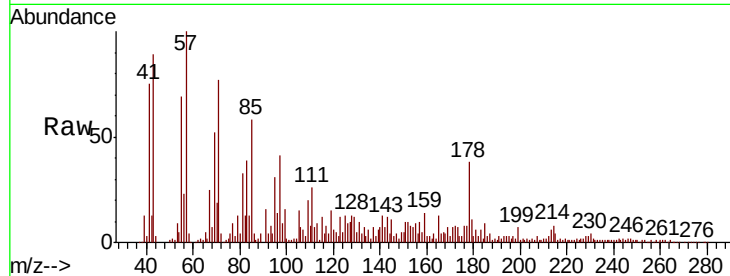
ClientSampleId :

K500-1

Tot Ion:178	Resp:	134504
Ion Ratio	Lower	Upper
178	100	
176	21.5	15.6 23.4
179	27.8	12.6 19.0#

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#72

Anthracene

Concen: 6.372 ng

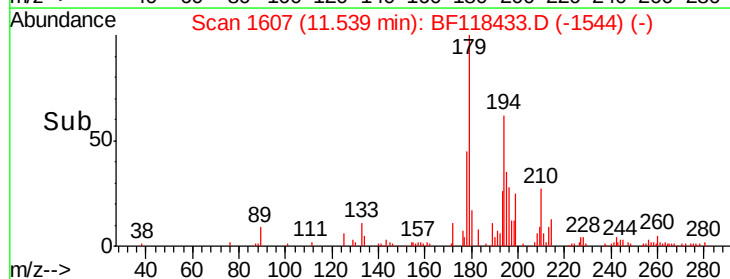
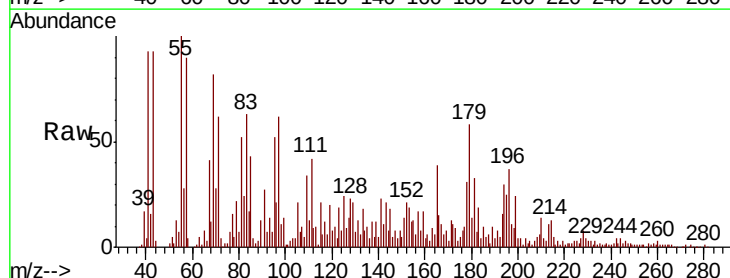
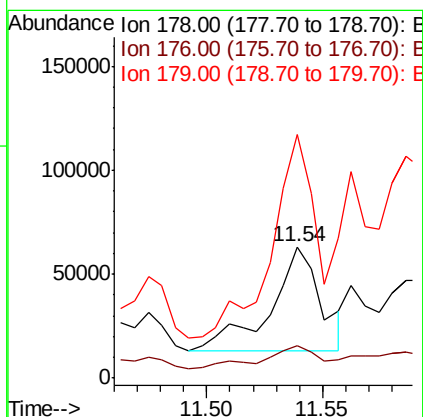
RT: 11.54 min Scan# 1607

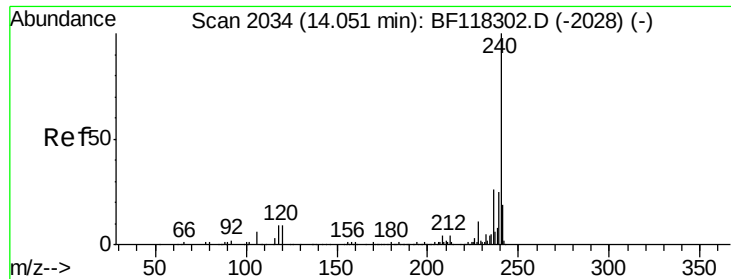
Delta R.T. 0.07 min

Lab File: BF118433.D

Acq: 2 Jan 2020 14:10

Tgt Ion:178	Resp:	74946
Ion Ratio	Lower	Upper
178	100	
176	24.3	15.2 22.8#
179	185.2	12.9 19.3#





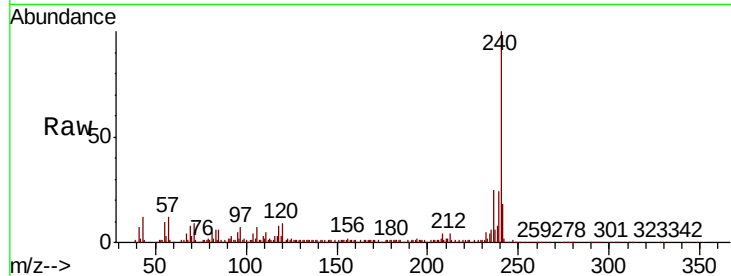
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF118433.D
Acq: 2 Jan 2020 14:10

Instrument :
BNA_F
ClientSampled :
K500-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.1	10.7
236	25.0	21.0	31.6

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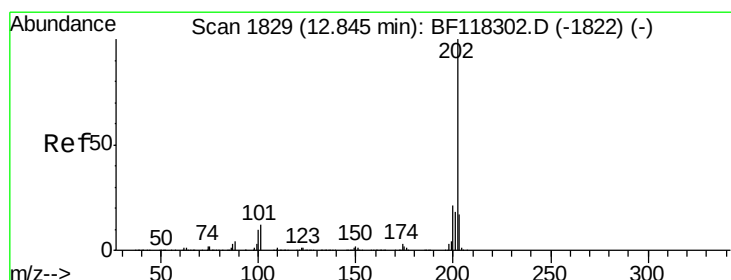
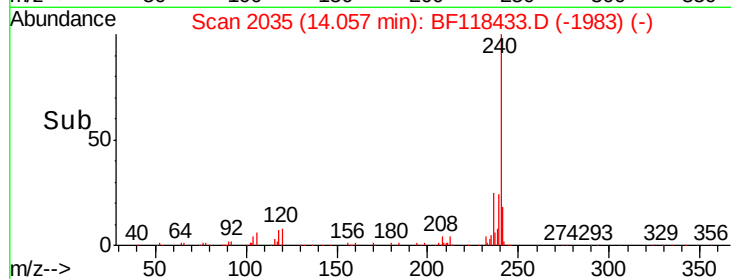
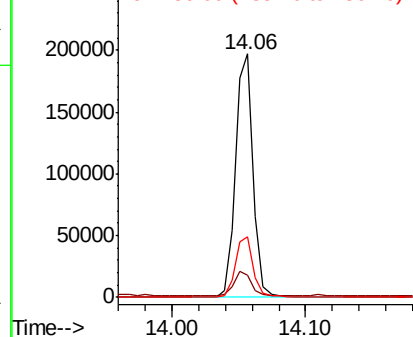


Abundance

Ion 240.00 (239.70 to 240.70): E

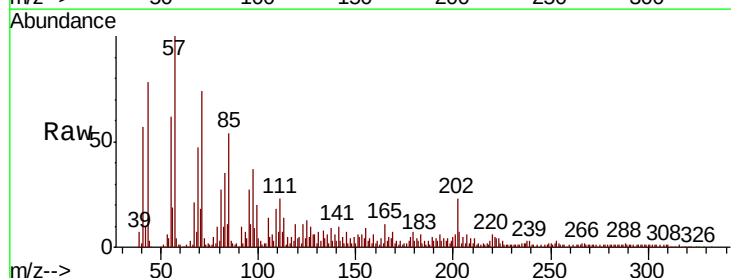
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 4.287 ng m
RT: 12.88 min Scan# 1835
Delta R.T. 0.04 min
Lab File: BF118433.D
Acq: 2 Jan 2020 14:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	29.6	13.9	20.9#

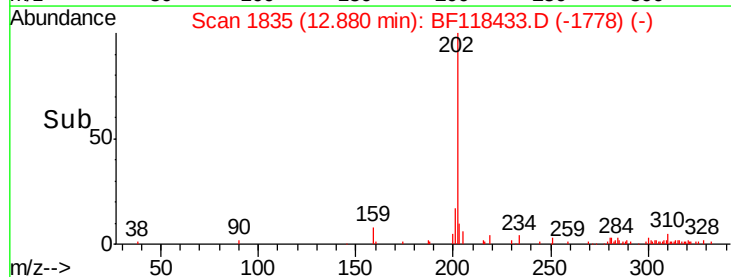
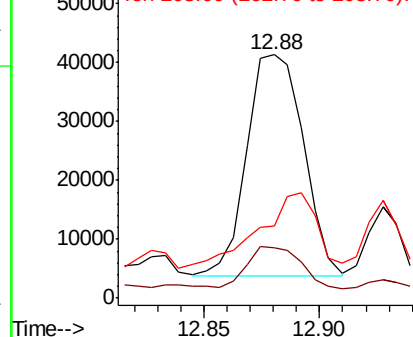


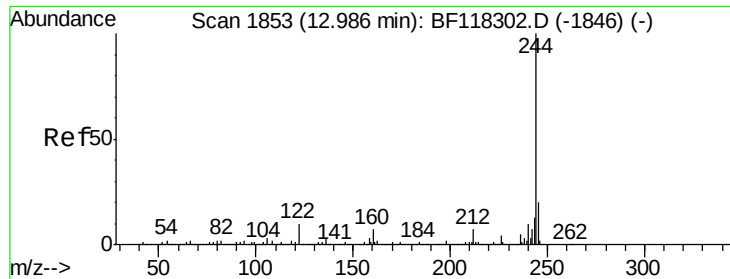
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





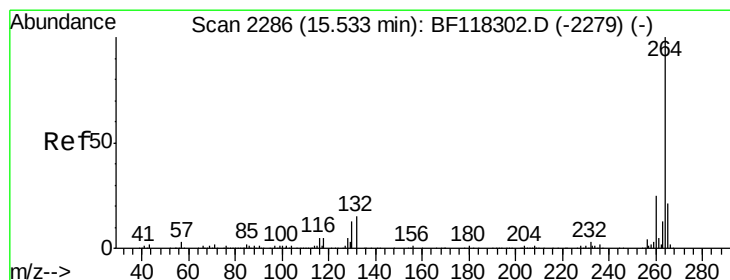
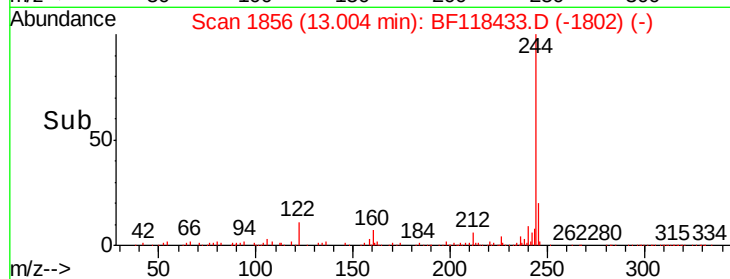
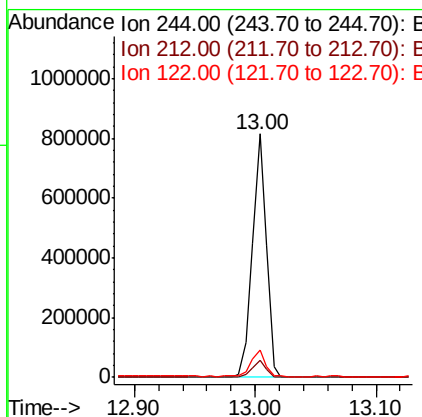
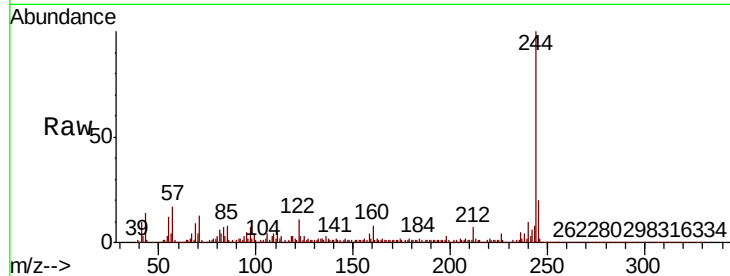
#79
 Terphenyl-d14
 Concen: 60.061 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. 0.02 min
 Lab File: BF118433.D
 Acq: 2 Jan 2020 14:10

Instrument :
 BNA_F
 ClientSampled :
 K500-1

Tot Ion:	244	Resp:	661147
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.2
122	11.1	7.8	11.8

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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2286
 Delta R.T. 0.00 min
 Lab File: BF118433.D
 Acq: 2 Jan 2020 14:10

Tgt Ion:	264	Resp:	210663
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.8	29.6
265	21.1	17.0	25.4

