

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117586.D
 Acq On : 29 Oct 2019 13:10
 Operator : JU
 Sample : K5503-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 173-38-(0-2)

Manual Integrations
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Quant Time: Oct 30 03:11:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	47392	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	182710	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	77445	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	102050	20.00	ng	0.00
76) Chrysene-d12	13.89	240	87183	20.00	ng	0.00
87) Perylene-d12	15.33	264	75398	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	305778	95.99	ng	0.00
7) Phenol-d6	6.40	99	418098	97.72	ng	0.02
23) Nitrobenzene-d5	7.29	82	254892	68.87	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	51805	77.31	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	346006	62.95	ng	-0.01
79) Terphenyl-d14	12.83	244	217134	40.62	ng	0.00
Target Compounds						
10) Phenol	6.42	94	11363	2.602	ng	Qvalue # 74
50) Dimethylphthalate	9.48	163	33135	6.002	ng	99
71) Phenanthrene	11.27	178	152772	25.781	ng	98
72) Anthracene	11.33	178	42943	7.063	ng	98
73) Carbazole	11.49	167	13069	2.352	ng	97
75) Fluoranthene	12.46	202	275767	46.488	ng	99
78) Pyrene	12.69	202	233216	31.143	ng	100
81) Benzo(a)anthracene	13.89	228	131511	22.363	ng	99
83) Chrysene	13.92	228	108503	18.826	ng	97
86) Indeno(1,2,3-cd)pyrene	16.75	276	44120	10.253	ng	# 92
88) Benzo(b)fluoranthene	14.93	252	131801m	29.603	ng	
89) Benzo(k)fluoranthene	14.94	252	45634m	10.000	ng	
90) Benzo(a)pyrene	15.27	252	85502	21.122	ng	96
91) Dibenzo(a,h)anthracene	16.74	278	12457	3.559	ng	# 87
92) Benzo(a,h,i)perylene	17.18	276	36890	11.139	ng	93

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

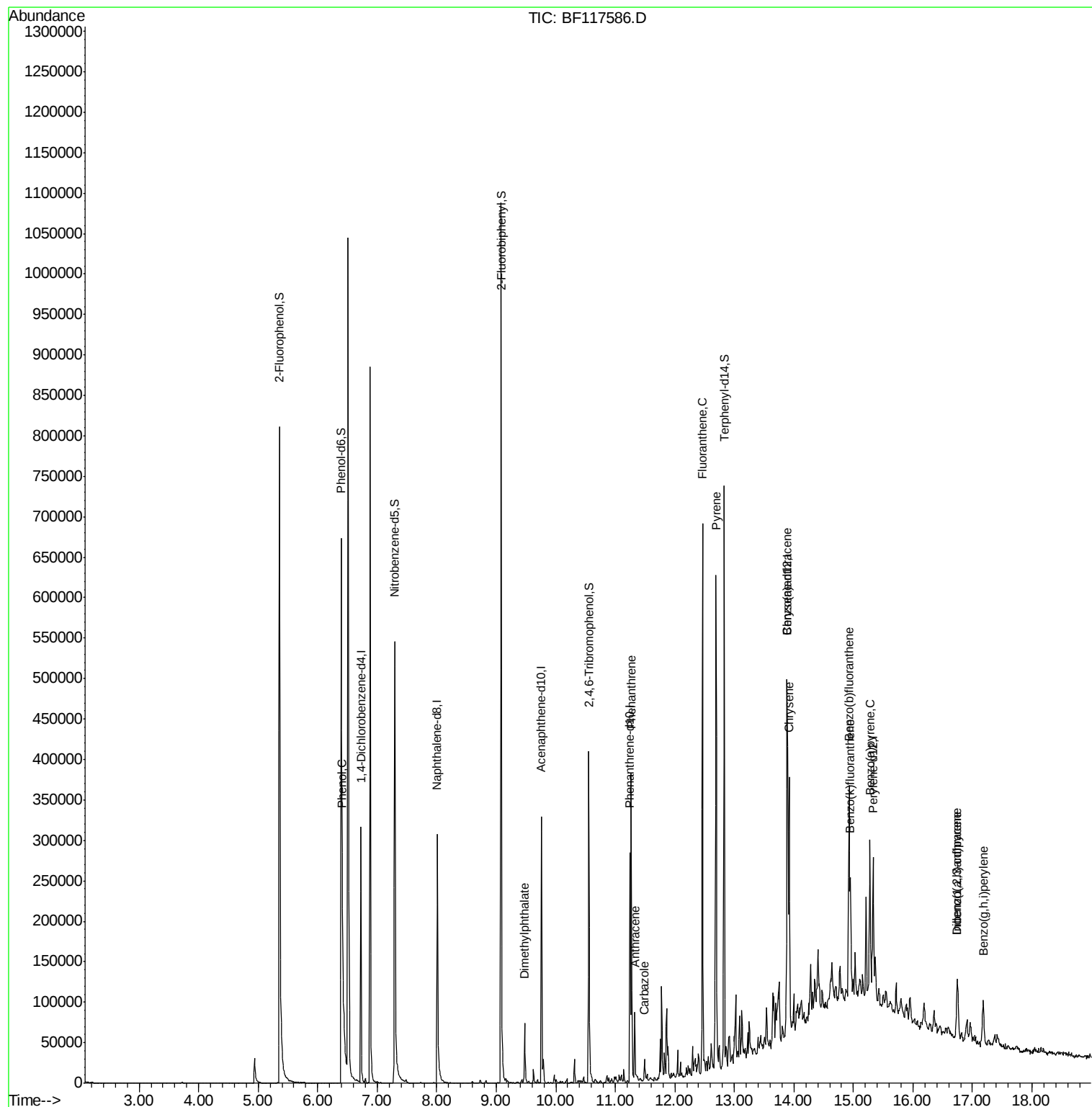
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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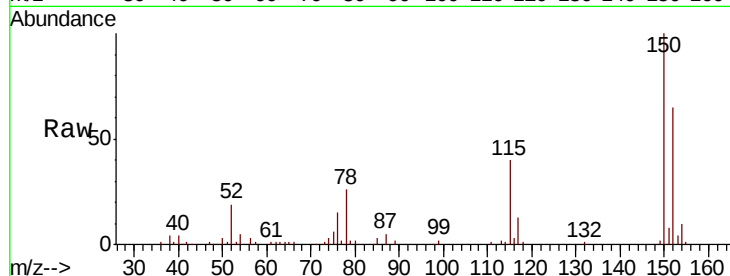
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF117586.D
 Acq: 29 Oct 2019 13:10

Instrument :
 BNA_F
 ClientSampleId :
 173-38-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.8	190.2
115	61.7	51.6	77.4

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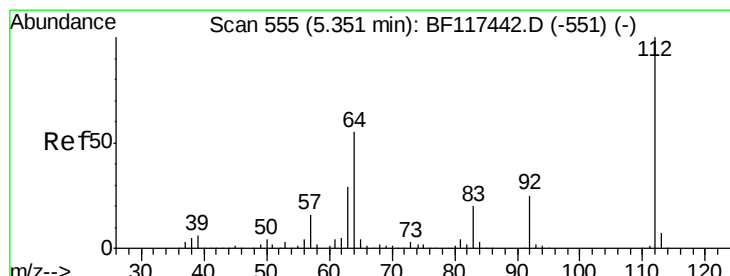
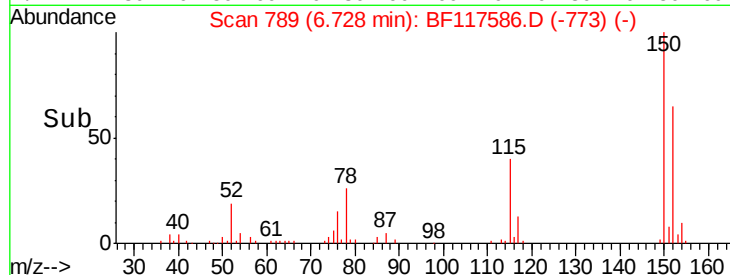
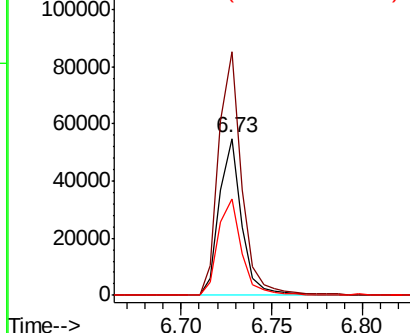


Abundance

Ion 152.00 (151.70 to 152.70): E

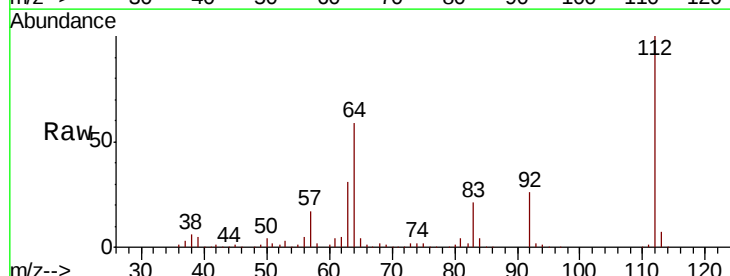
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 95.988 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF117586.D
 Acq: 29 Oct 2019 13:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	44.1	66.1
63	31.0	23.4	35.2

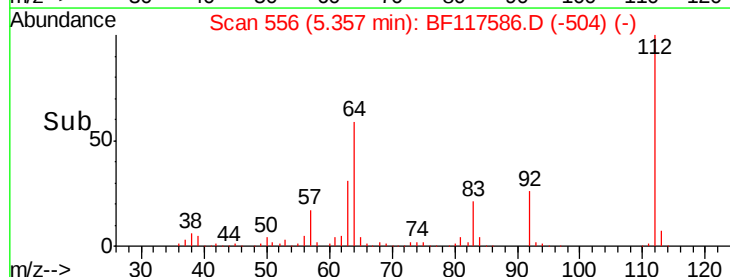
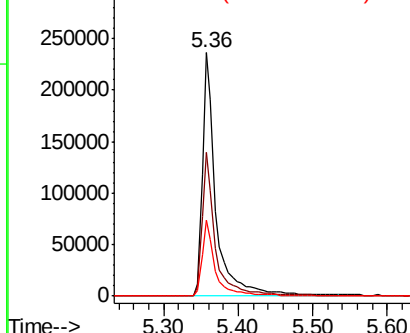


Abundance

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: 97.719 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.02 min

Lab File: BF117586.D

Acq: 29 Oct 2019 13:10

Instrument :

BNA_F

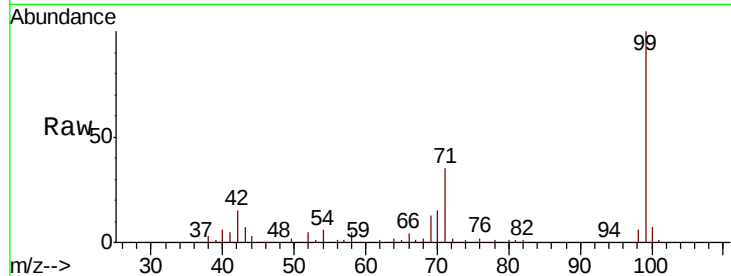
ClientSampleId :

173-38-(0-2)

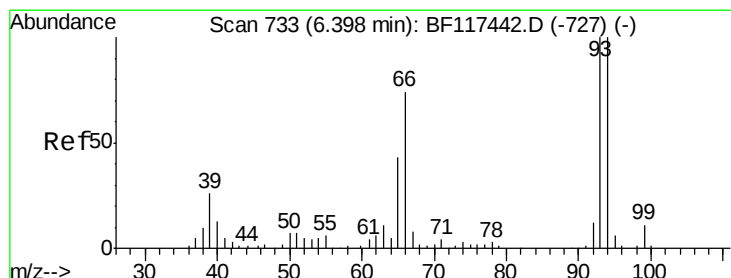
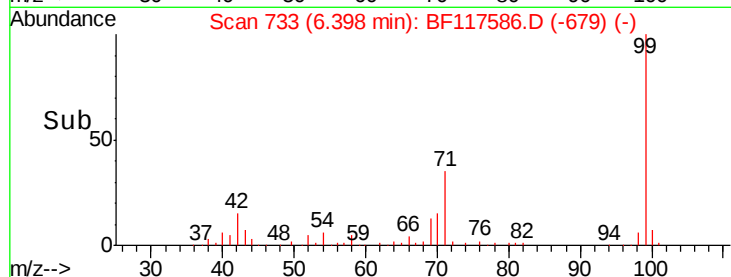
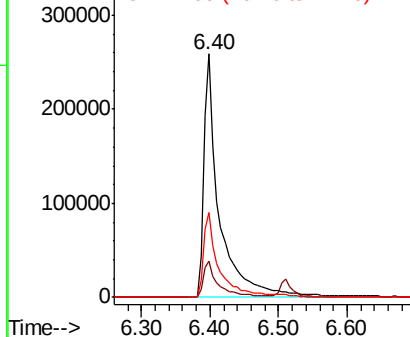
Tot Ion:	99	Resp:	418098
Ion	Ratio	Lower	Upper
99	100		
42	14.7	12.8	19.2
71	34.7	28.6	43.0

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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



#10

Phenol

Concen: 2.602 ng

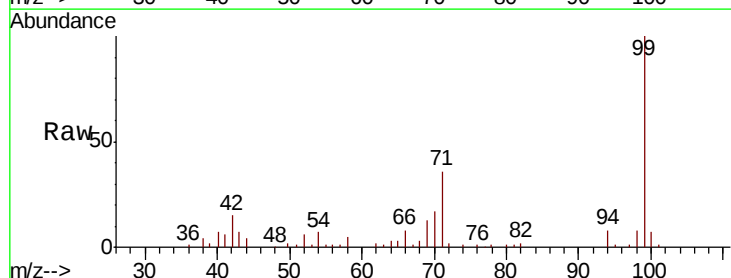
RT: 6.42 min Scan# 736

Delta R.T. 0.02 min

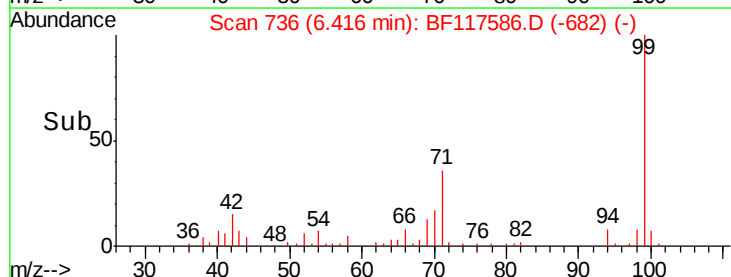
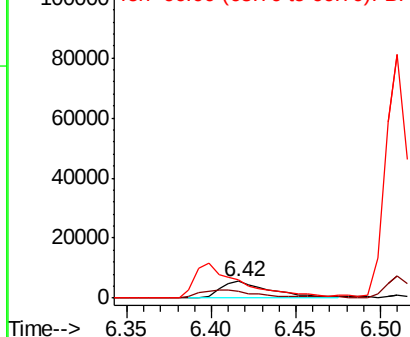
Lab File: BF117586.D

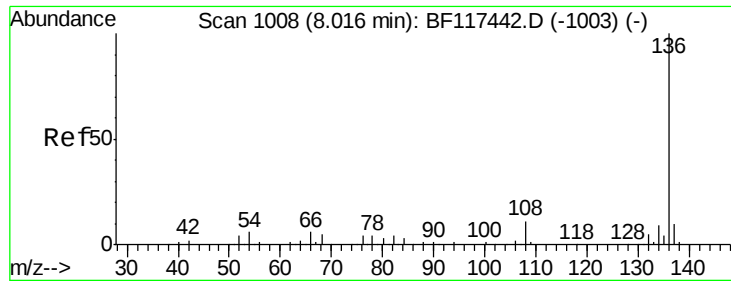
Acq: 29 Oct 2019 13:10

Tgt Ion:	94	Resp:	11363
Ion	Ratio	Lower	Upper
94	100		
65	42.7	23.4	63.4
66	108.5	54.7	94.7#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117586.D

Acq: 29 Oct 2019 13:10

Instrument :

BNA_F

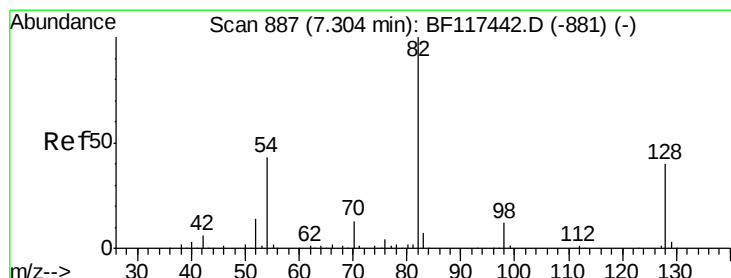
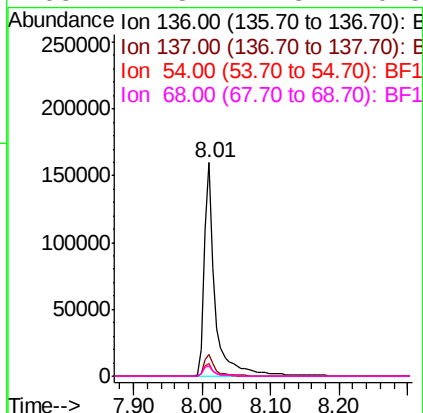
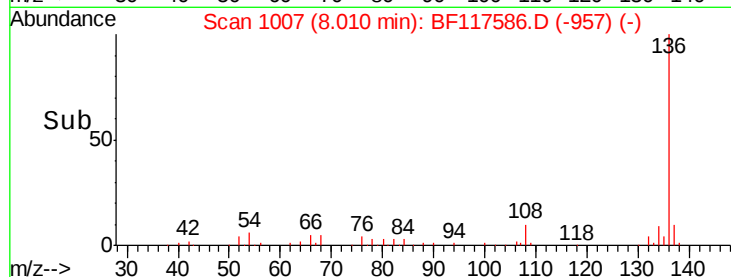
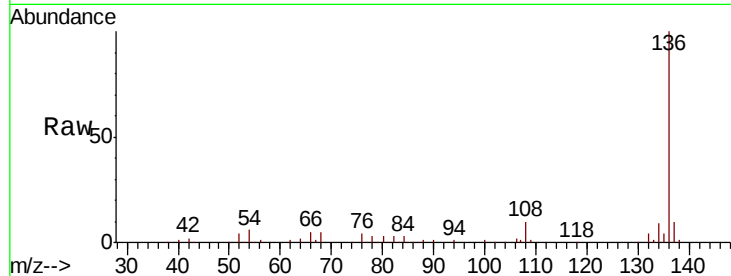
ClientSampled :

173-38-(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		182710		
137	10.2	8.2	12.4		
54	6.0	4.5	6.7		
68	4.8	4.3	6.5		

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#23

Nitrobenzene-d5

Concen: 68.871 ng

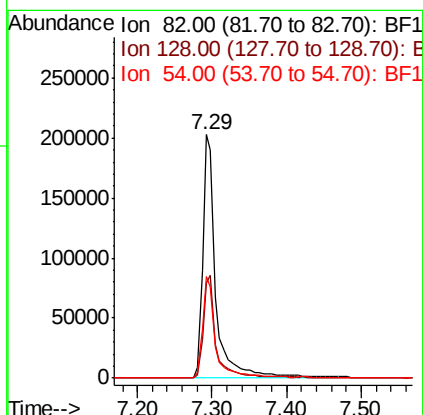
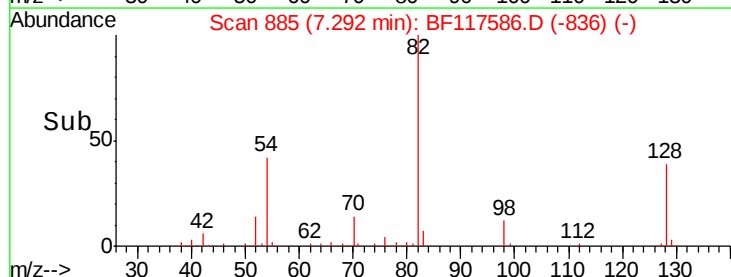
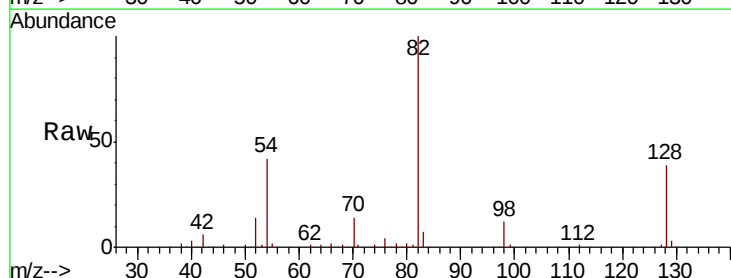
RT: 7.29 min Scan# 885

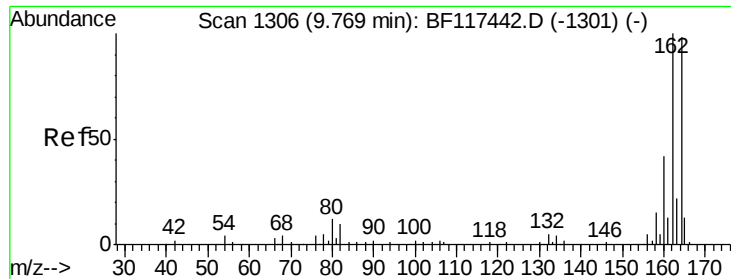
Delta R.T. -0.01 min

Lab File: BF117586.D

Acq: 29 Oct 2019 13:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		254892		
128	39.2	32.2	48.2		
54	41.8	34.2	51.2		





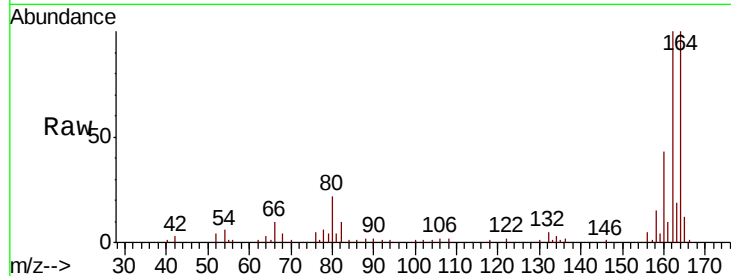
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :
173-38-(0-2)

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.8	122.6
160	42.9	34.4	51.6

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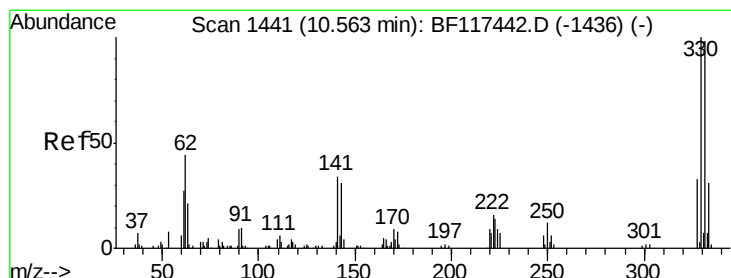
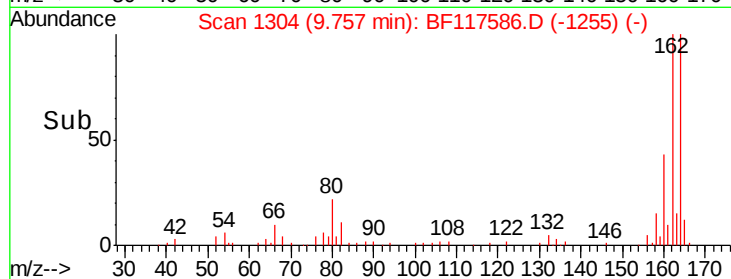
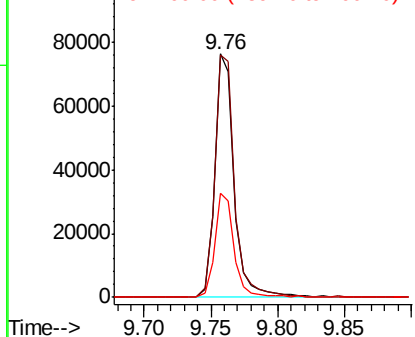


Abundance

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: 77.310 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

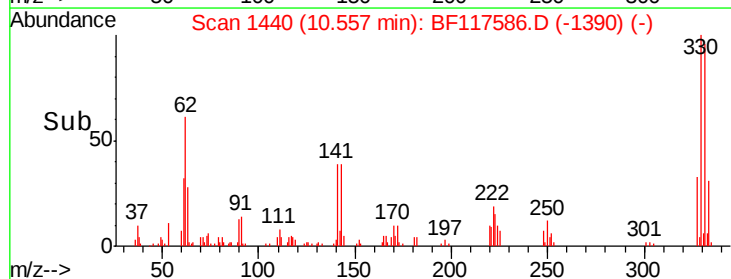
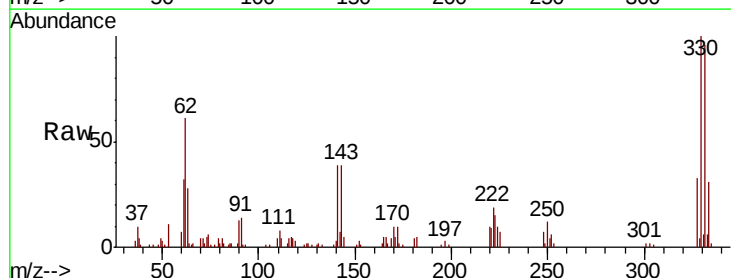
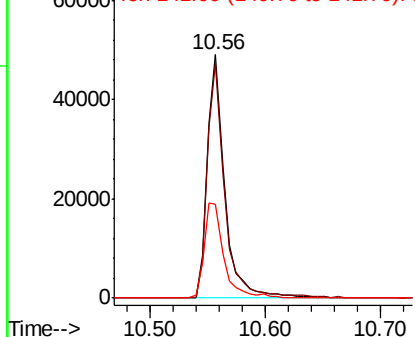
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.5	117.7
141	44.0	37.0	55.6

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





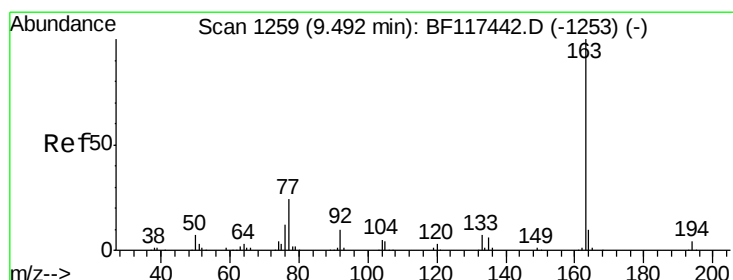
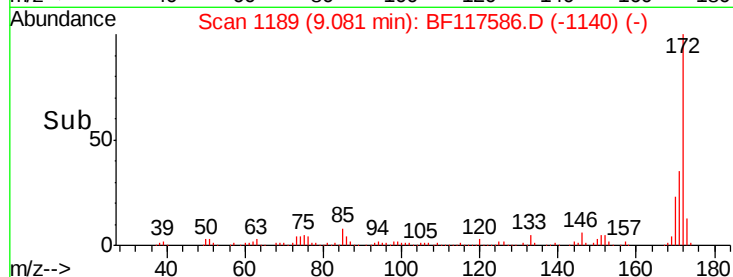
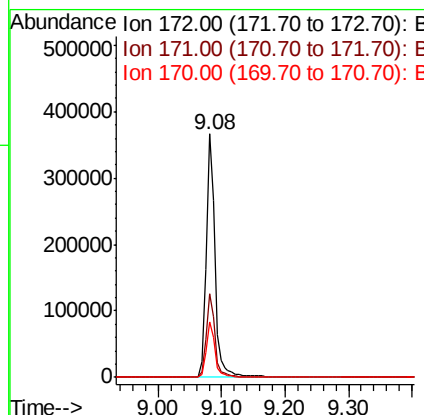
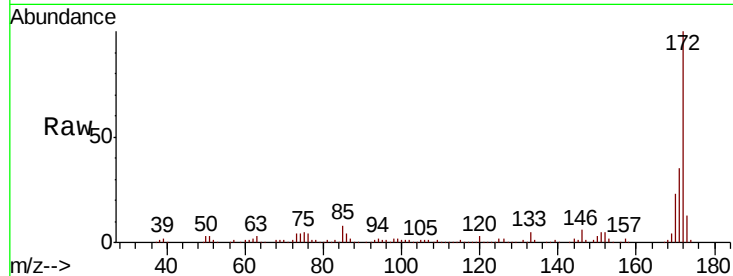
#45
2-Fluorobiphenyl
Concen: 62.950 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :
173-38-(0-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.5	41.3
170	22.9	18.6	27.8

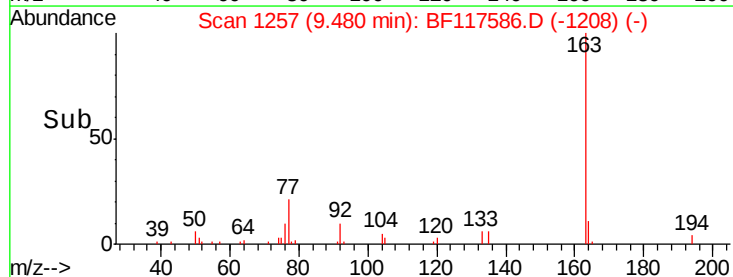
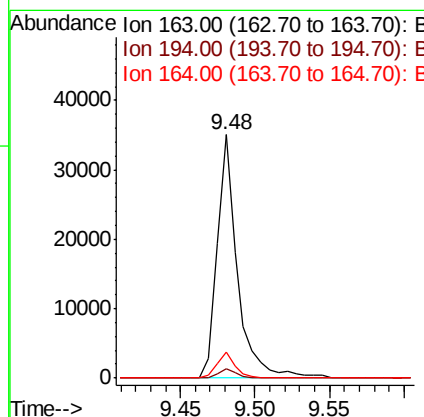
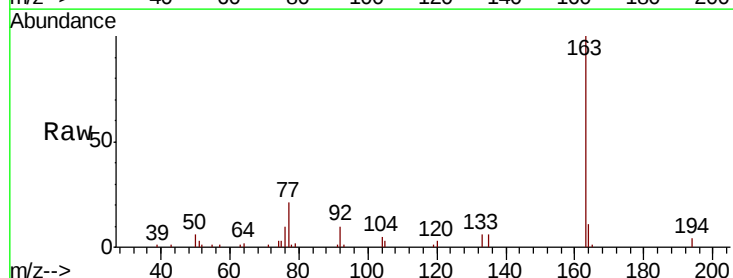
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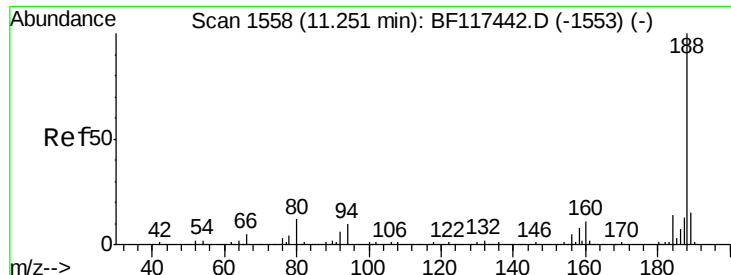
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#50
Dimethylphthalate
Concen: 6.002 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.9	4.3
164	10.6	8.2	12.2





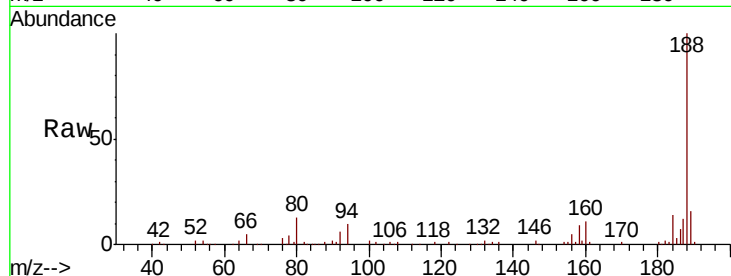
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :
173-38-(0-2)

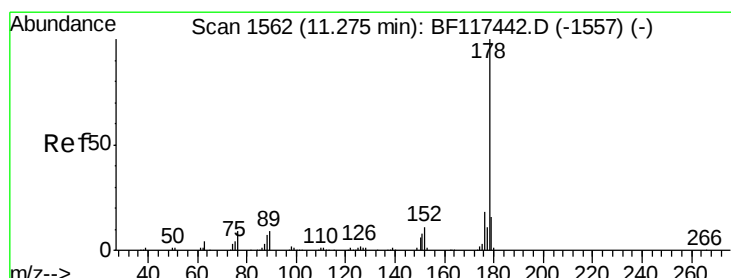
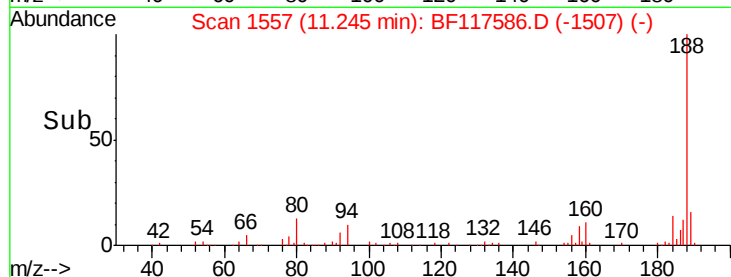
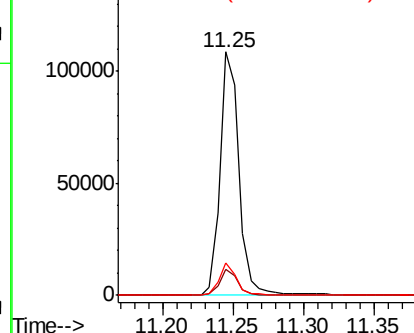
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.5	8.0	12.0
80	13.2	9.5	14.3

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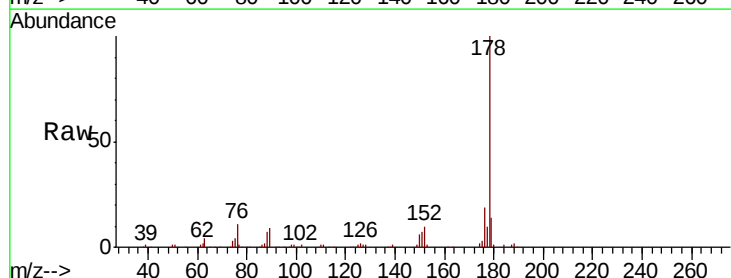


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

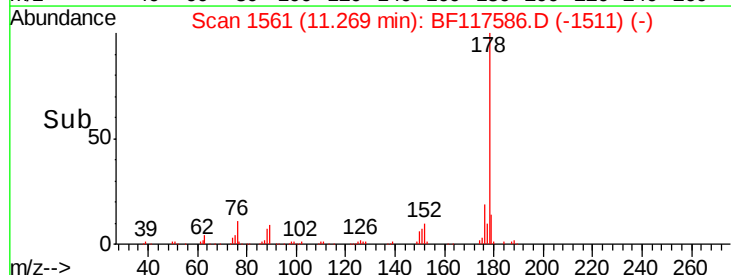
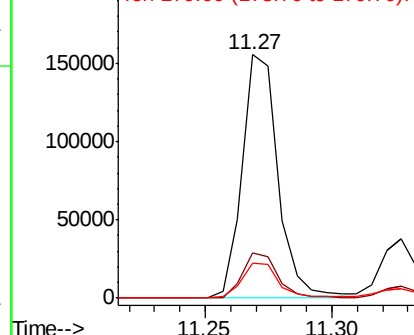


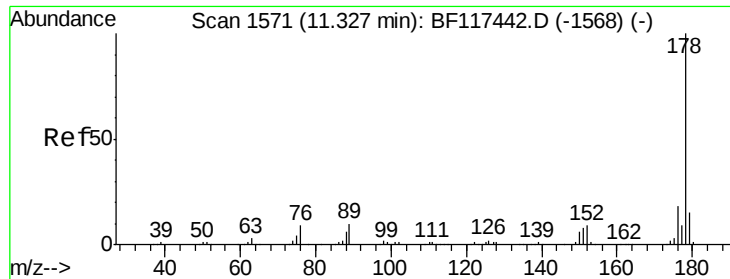
#71
Phenanthrene
Concen: 25.781 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	14.6	22.0
179	14.3	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 7.063 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF117586.D

Acq: 29 Oct 2019 13:10

Instrument :

BNA_F

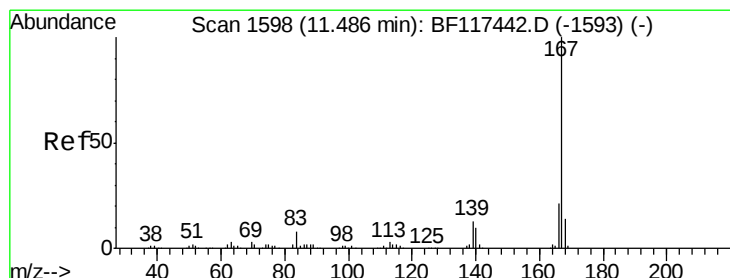
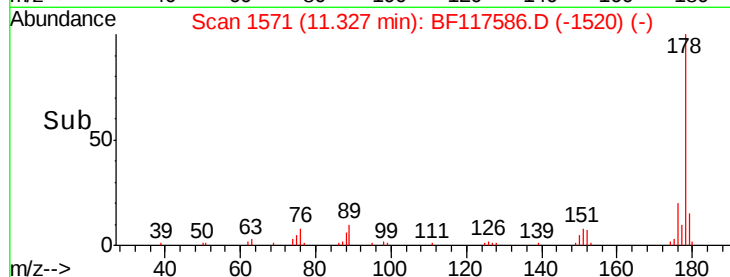
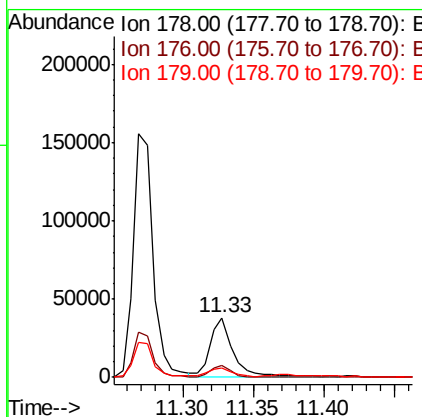
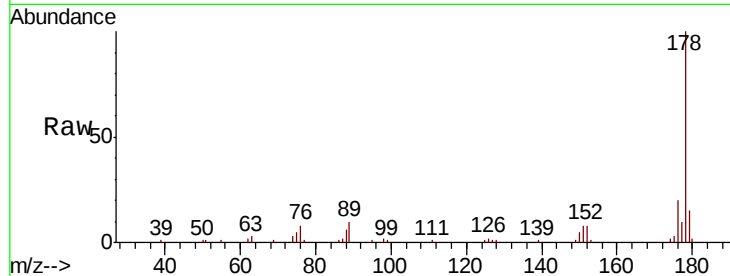
ClientSampleId :

173-38-(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	14.7	22.1
179	14.9	12.2	18.2

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#73

Carbazole

Concen: 2.352 ng

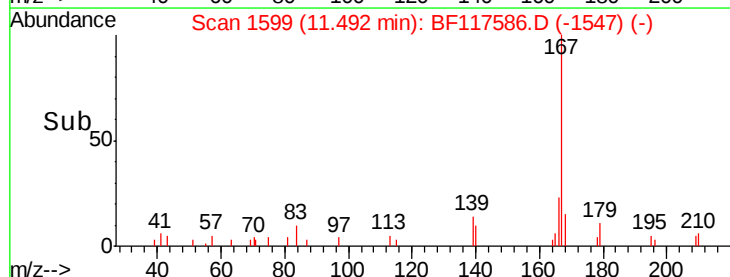
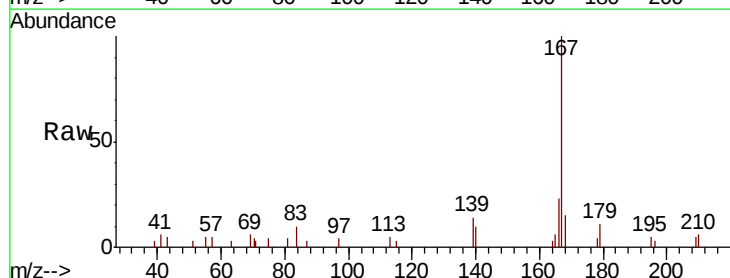
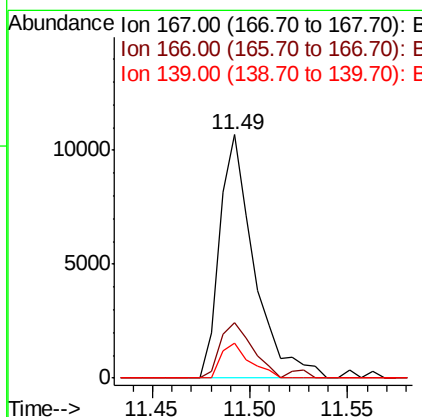
RT: 11.49 min Scan# 1599

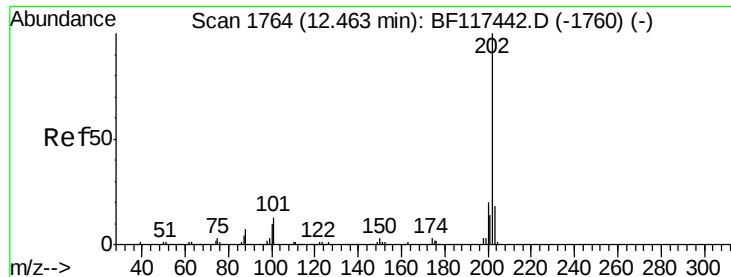
Delta R.T. 0.01 min

Lab File: BF117586.D

Acq: 29 Oct 2019 13:10

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.0	25.6
139	14.4	10.6	16.0





#75

Fluoranthene

Concen: 46.488 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117586.D

Acq: 29 Oct 2019 13:10

Instrument :

BNA_F

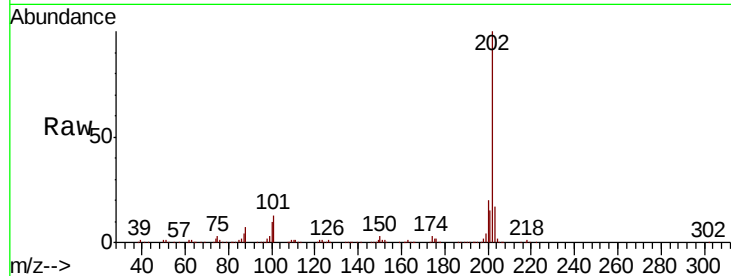
ClientSampleId :

173-38-(0-2)

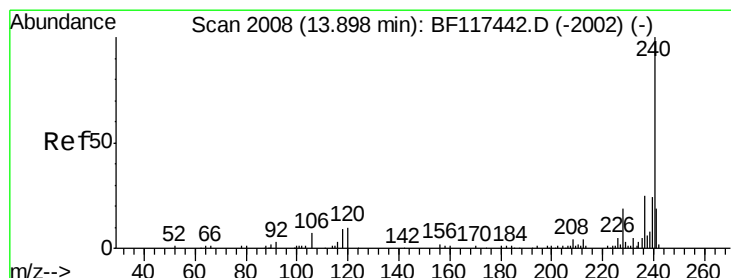
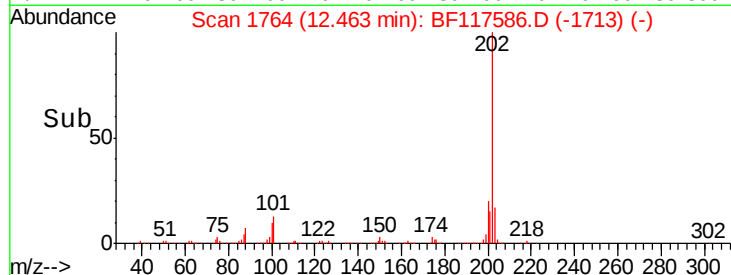
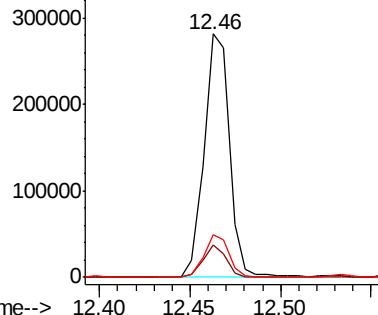
Tot Ion:	202	Resp:	275767
Ion Ratio		Lower	Upper
202	100		
101	13.1	0.0	32.7
203	17.3	0.0	37.6

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

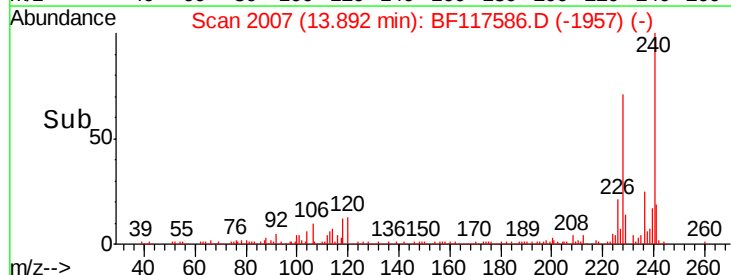
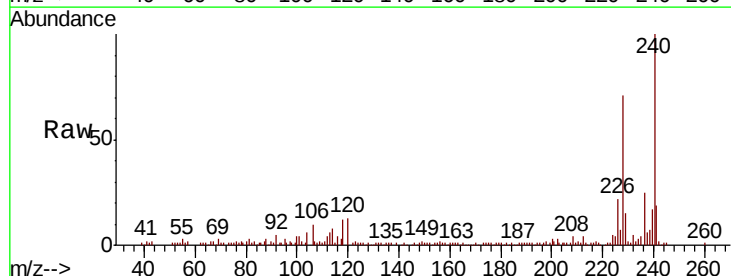
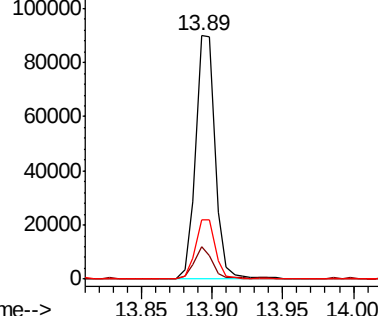
Delta R.T. -0.01 min

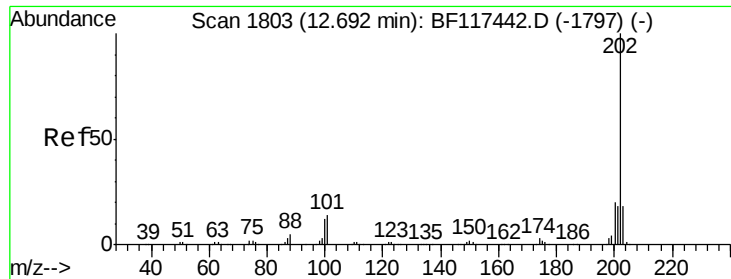
Lab File: BF117586.D

Acq: 29 Oct 2019 13:10

Tgt Ion:	240	Resp:	87183
Ion Ratio		Lower	Upper
240	100		
120	13.4	8.4	12.6#
236	24.5	20.0	30.0

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





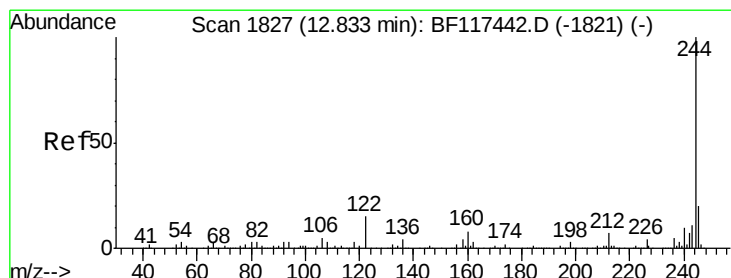
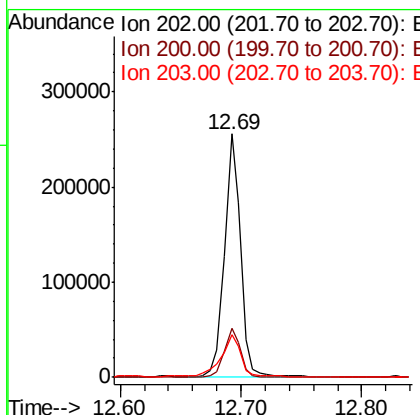
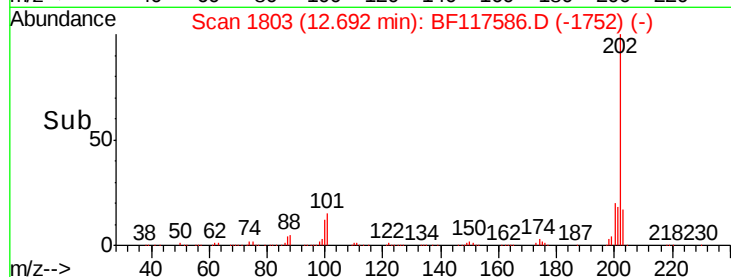
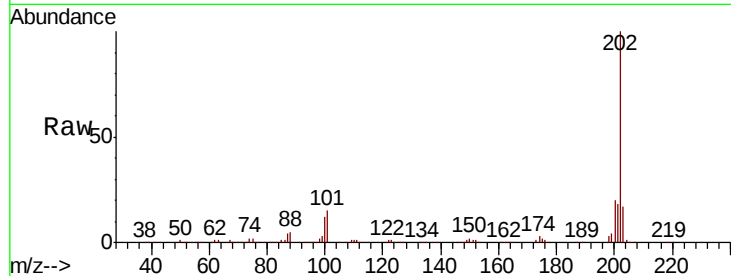
#78
Pvrene
Concen: 31.143 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :
173-38-(0-2)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.1	16.2	24.2
203	17.5	14.0	21.0

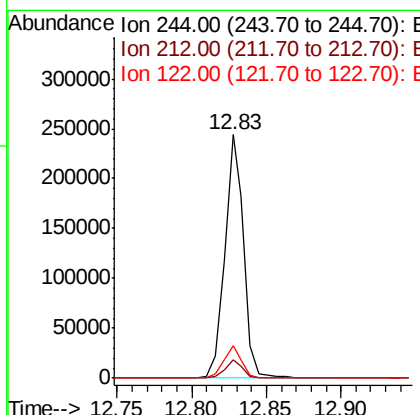
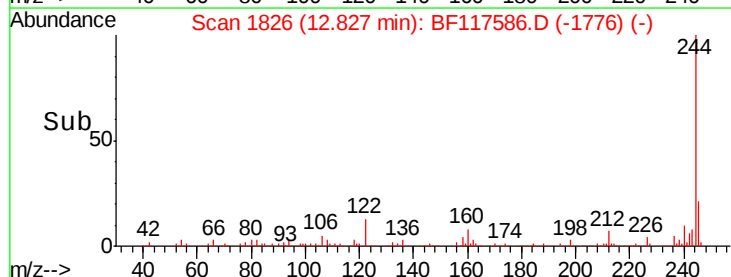
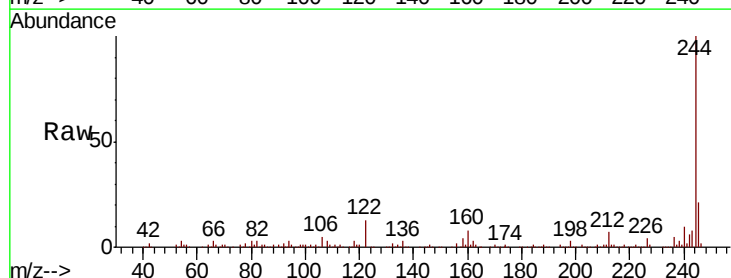
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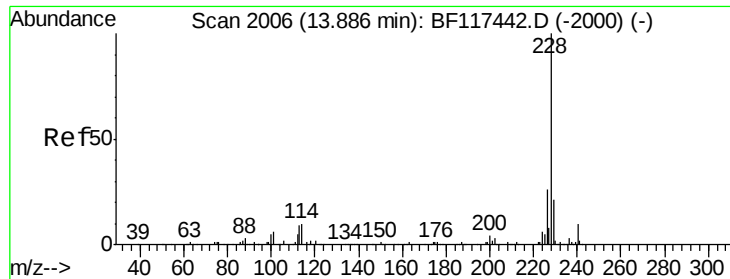
mohammad
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#79
Terphenyl-d14
Concen: 40.624 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.8	8.6
122	13.4	11.8	17.8





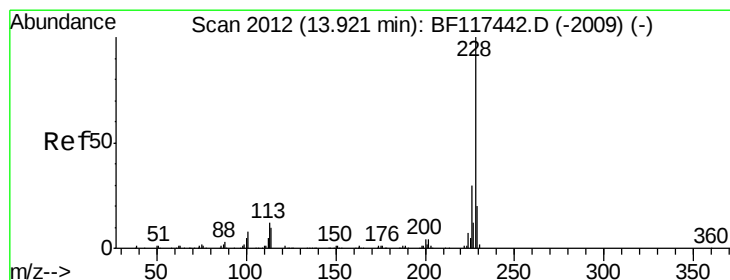
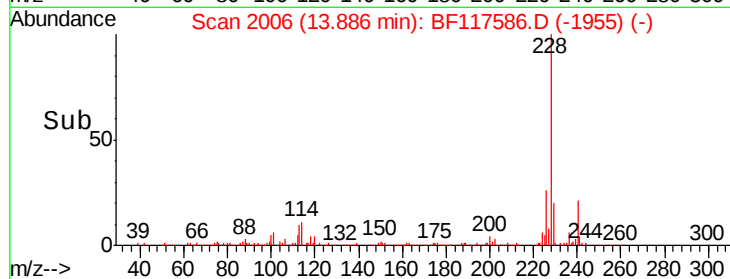
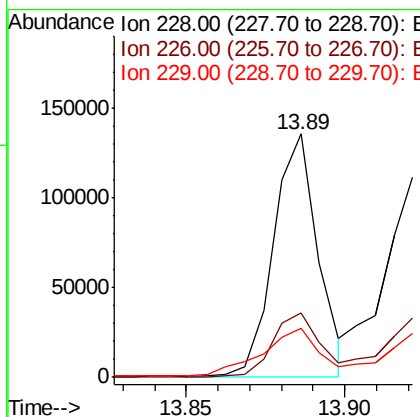
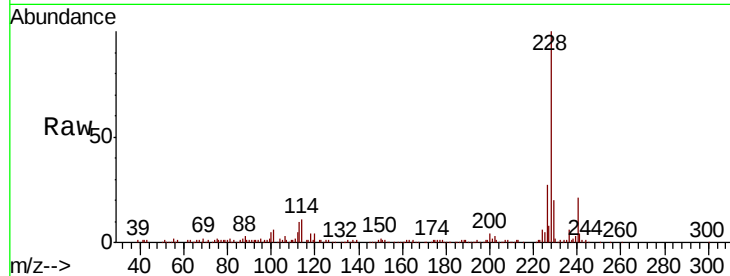
#81
Benzo(a)anthracene
Concen: 22.363 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :
173-38-(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.0	31.4
229	20.1	16.4	24.6

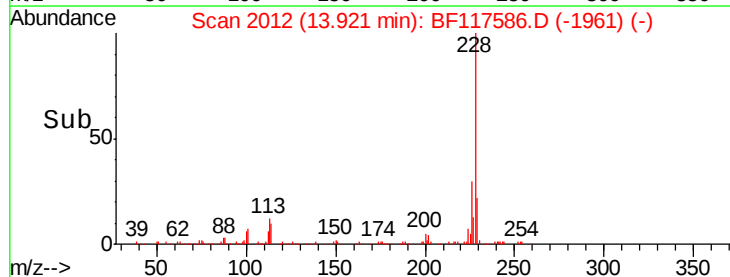
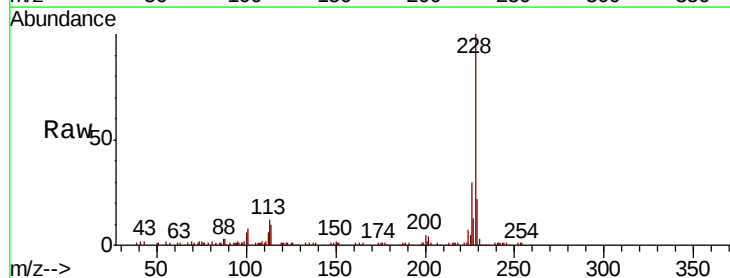
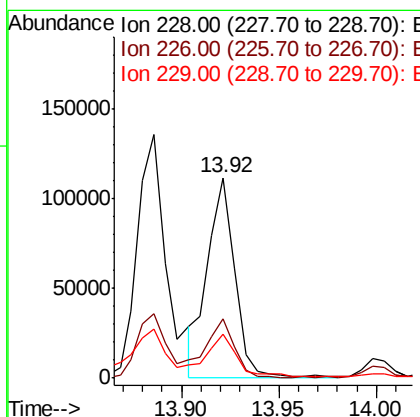
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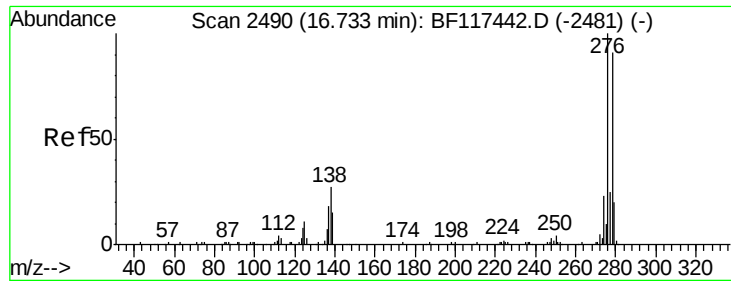
mohammad
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#83
Chrysene
Concen: 18.826 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.9	35.9
229	22.1	15.8	23.6





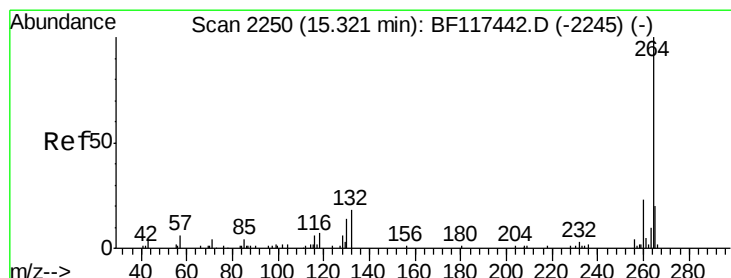
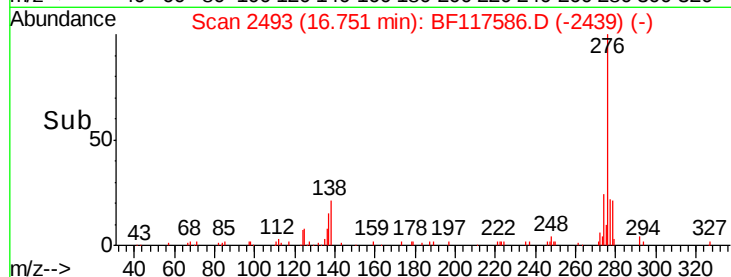
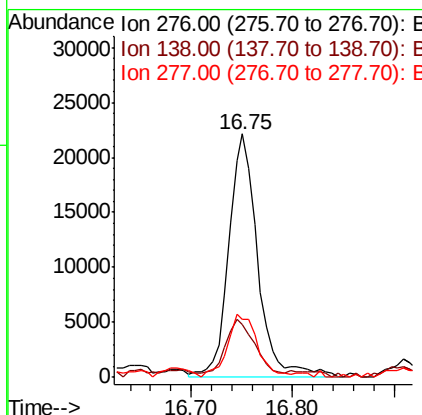
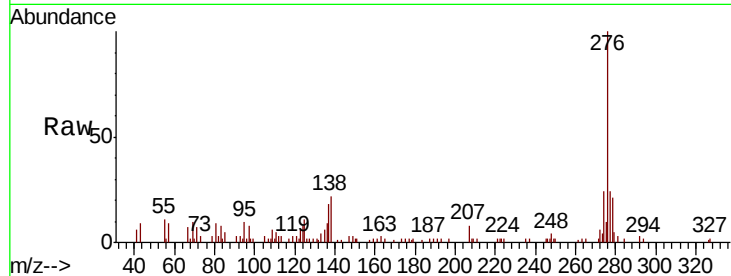
#86
Indeno(1,2,3-cd)pyrene
Concen: 10.253 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :
173-38-(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	21.8	32.8#
277	26.6	20.0	30.0

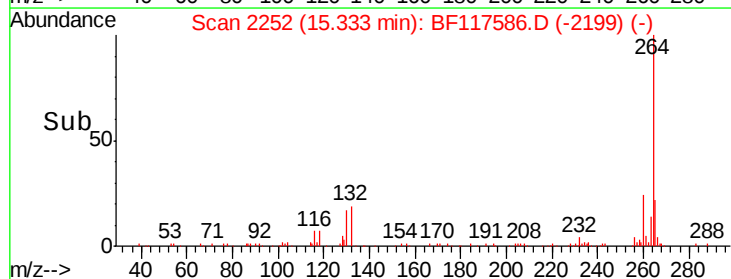
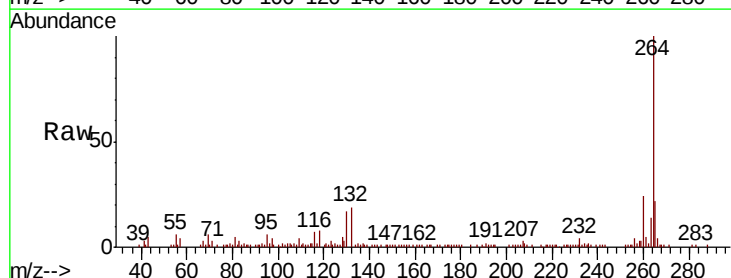
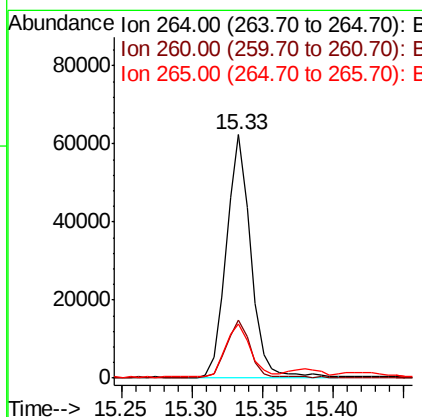
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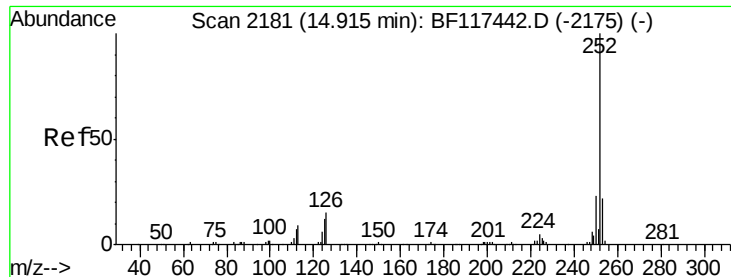
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	22.5	16.1	24.1





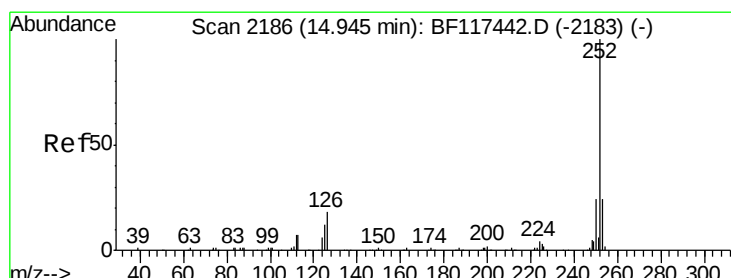
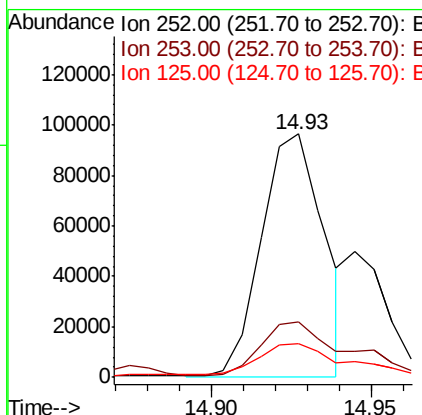
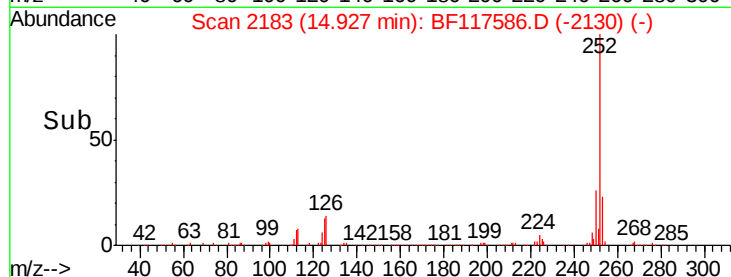
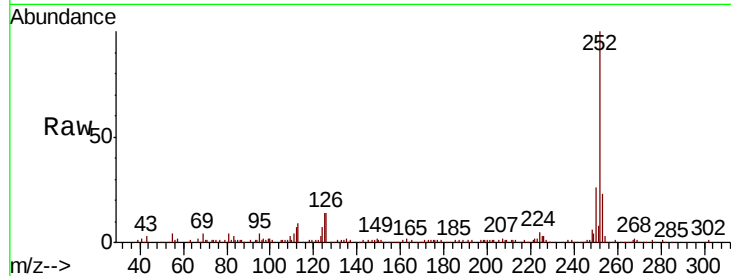
#88
Benzo(b)fluoranthene
Concen: 29.603 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :
173-38-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.0	9.9	14.9

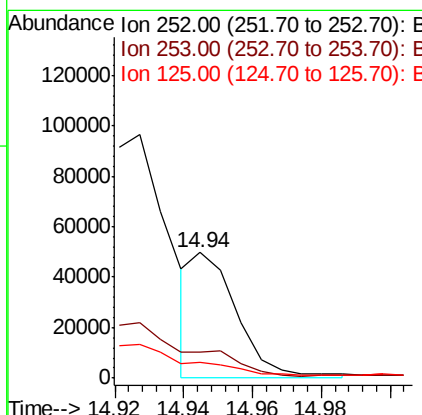
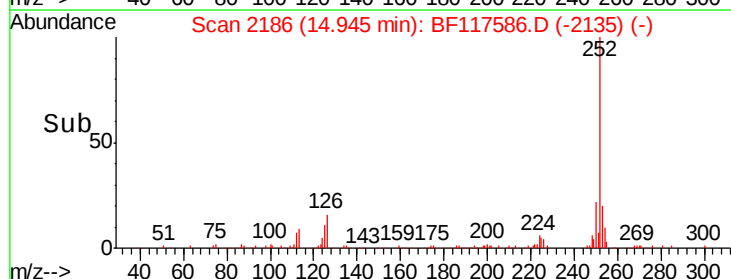
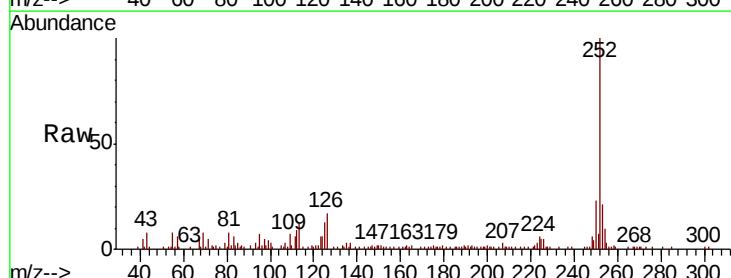
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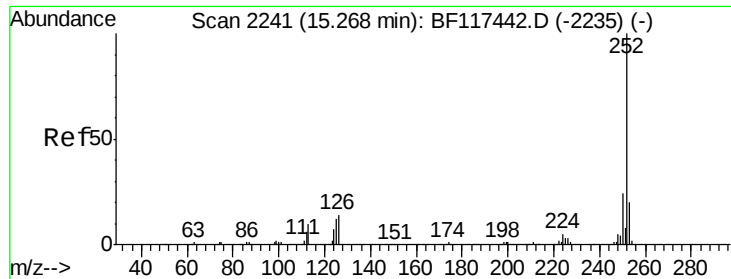
mohammad
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#89
Benzo(k)fluoranthene
Concen: 10.000 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.0	27.0
125	13.0	8.9	13.3





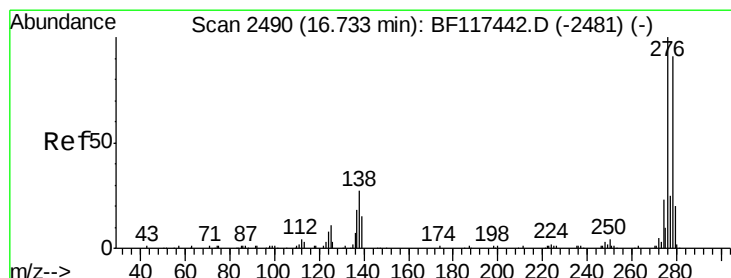
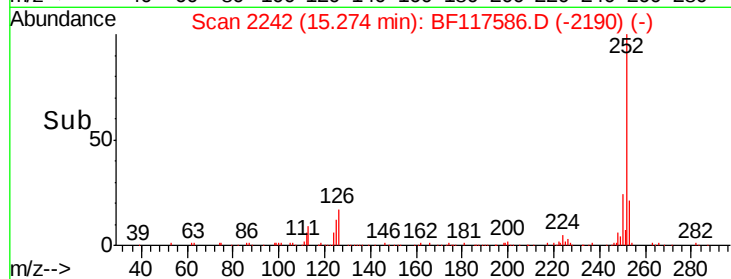
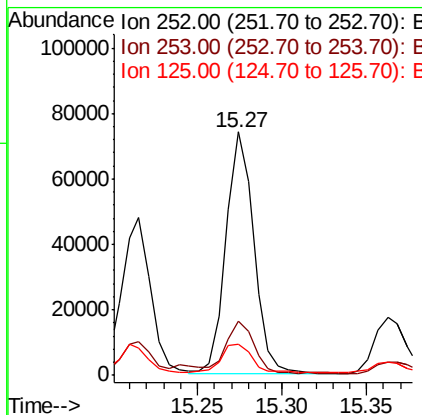
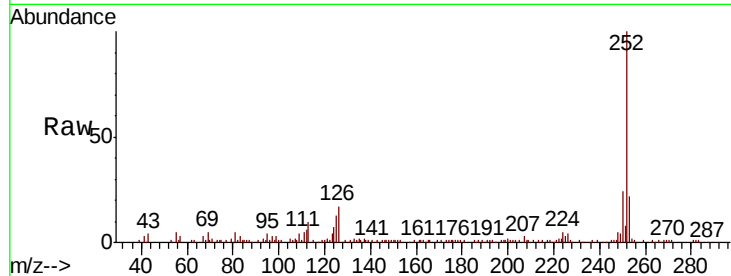
#90
Benzo(a)pyrene
Concen: 21.122 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Instrument :
BNA_F
ClientSampleId :
173-38-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.3	24.5
125	13.0	9.2	13.8

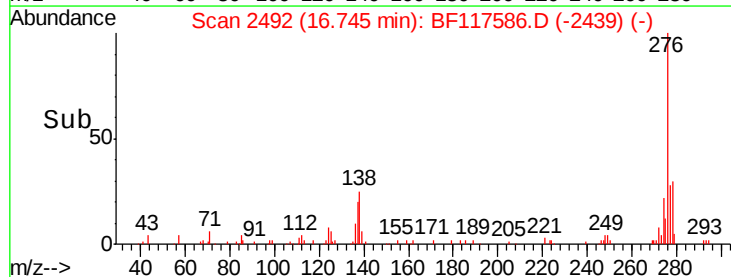
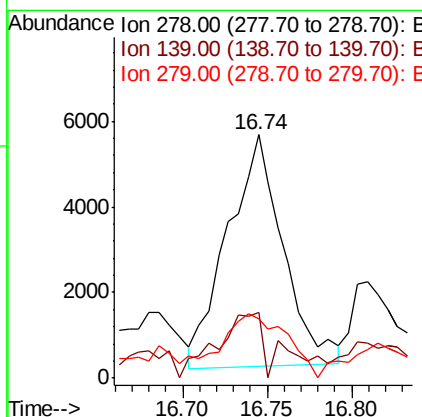
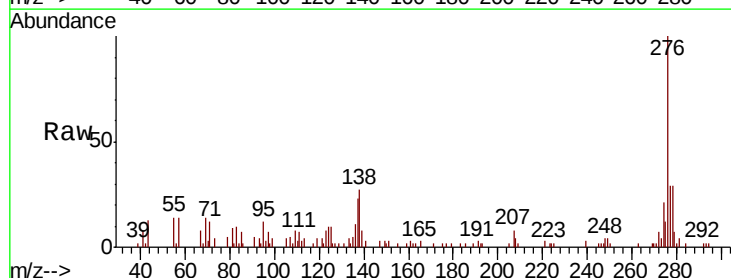
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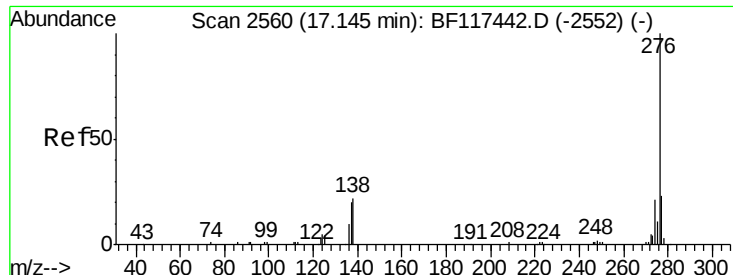
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 3.559 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117586.D
Acq: 29 Oct 2019 13:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.8	13.4	20.0#
279	24.4	17.8	26.6





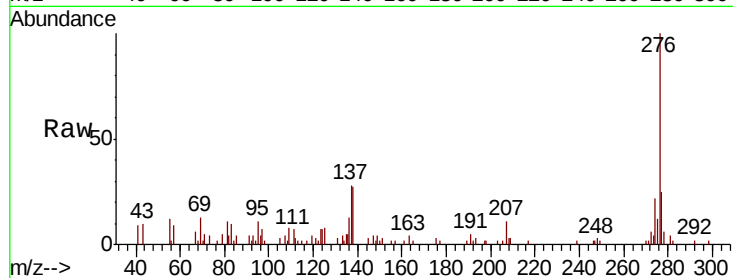
#92
 Benzo(a,h,i)perylene
 Concen: 11.139 ng
 RT: 17.18 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: BF117586.D
 Acq: 29 Oct 2019 13:10

Instrument :
 BNA_F
 ClientSampleId :
 173-38-(0-2)

Tot Ion:	276	Resp:	36890
Ion Ratio		Lower	Upper
276	100		
277	25.0	18.4	27.6
138	26.6	17.8	26.6

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

