

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
 Data File : BF119306.D
 Acq On : 10 Mar 2020 2:22
 Operator : CG/JU
 Sample : L1778-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DN1

Manual Integrations
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Quant Time: Mar 10 10:39:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	106605	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	399634	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	217649	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	369764	20.00	ng	0.00
76) Chrysene-d12	13.89	240	260361	20.00	ng	0.00
87) Perylene-d12	15.32	264	271217	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	614903	96.39	ng	0.00
7) Phenol-d6	6.38	99	747077	96.30	ng	0.00
23) Nitrobenzene-d5	7.29	82	478306	63.19	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	237584	83.44	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	949159	64.24	ng	0.00
79) Terphenyl-d14	12.82	244	863206	57.08	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.47	163	87074	5.232	ng	98
52) Acenaphthene	9.79	154	53611	4.343	ng	99
55) Dibenzofuran	9.96	168	61707	3.349	ng	94
58) Fluorene	10.30	166	63050	4.403	ng	99
71) Phenanthrene	11.27	178	1118999	55.492	ng	99
72) Anthracene	11.32	178	247433	12.281	ng	97
73) Carbazole	11.48	167	128888	7.181	ng	97
75) Fluoranthene	12.46	202	1329229	62.100	ng	98
78) Pyrene	12.69	202	1083553	51.828	ng	99
80) Butylbenzylphthalate	13.29	149	45766	5.201	ng	97
81) Benzo(a)anthracene	13.87	228	591808	33.360	ng	99
83) Chrysene	13.91	228	494570	27.979	ng	97
86) Indeno(1,2,3-cd)pyrene	16.73	276	221140	12.920	ng	95
88) Benzo(b)fluoranthene	14.91	252	691971m	38.707	ng	
89) Benzo(k)fluoranthene	14.93	252	191797m	11.577	ng	
90) Benzo(a)pyrene	15.26	252	415564	25.756	ng	99
91) Dibenzo(a,h)anthracene	16.72	278	60025	4.228	ng	# 88
92) Benzo(g,h,i)perylene	17.15	276	200406	14.287	ng	98

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

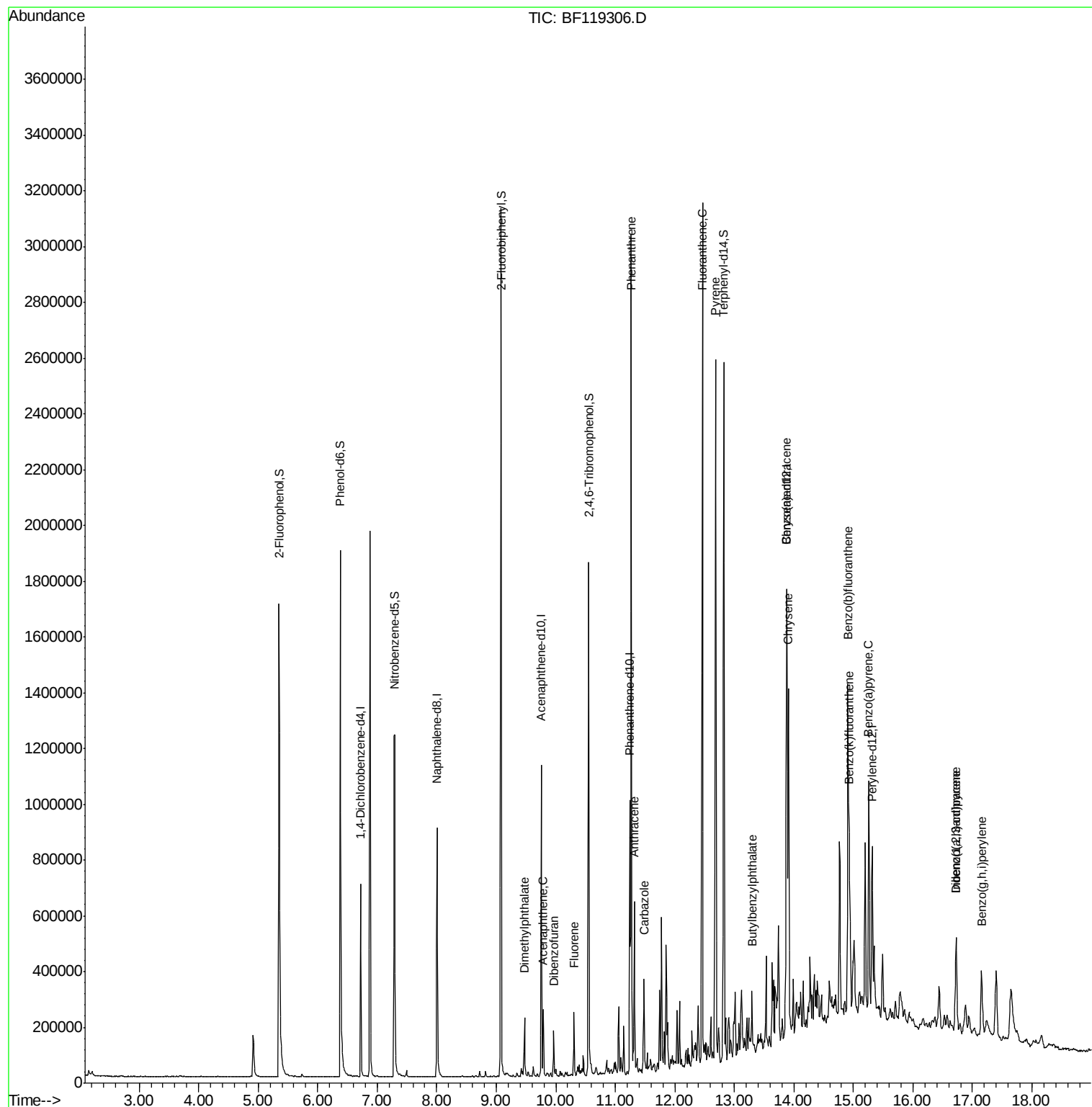
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
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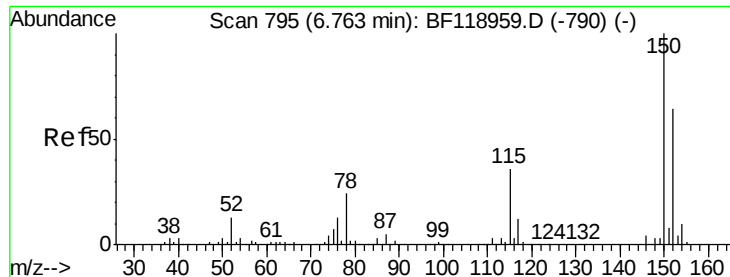
Instrument :
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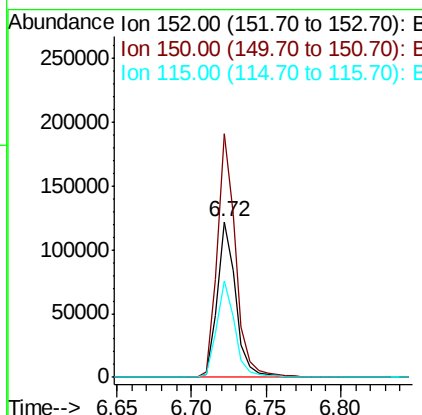
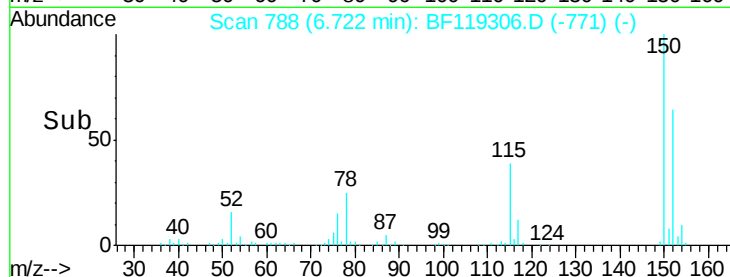
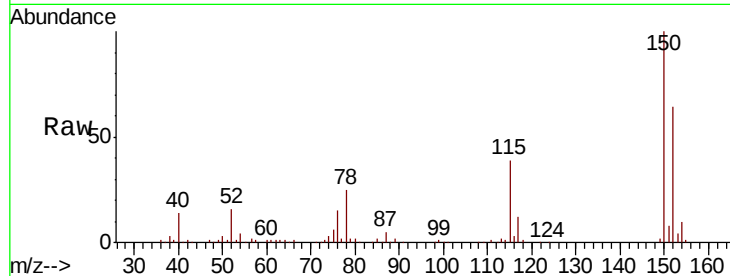
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF119306.D
 Acq: 10 Mar 2020 2:22

Instrument :
 BNA_F
 ClientSampled :
 DN1

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	123.0	184.6
115	61.7	49.5	74.3

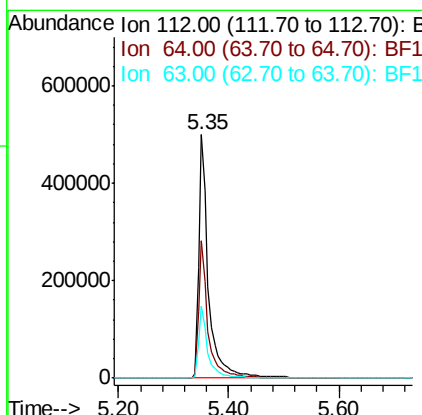
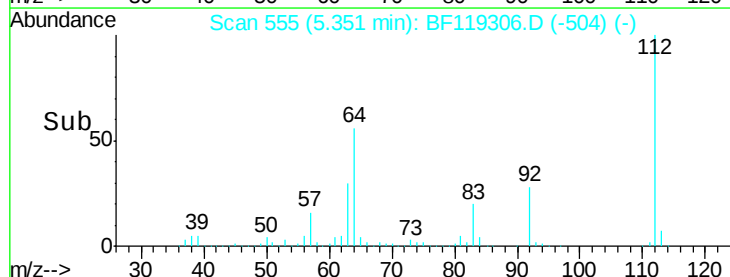
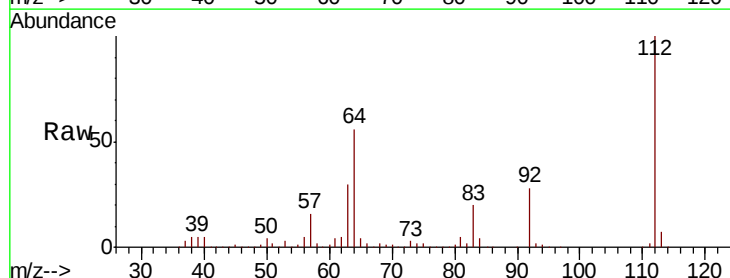
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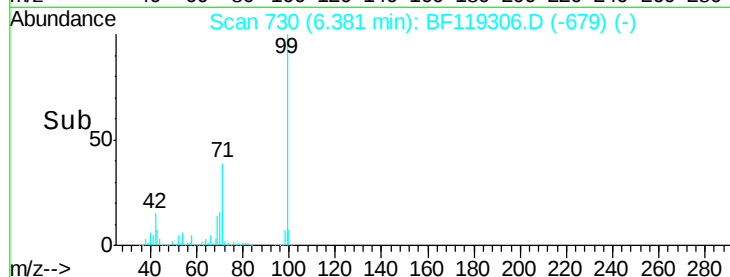
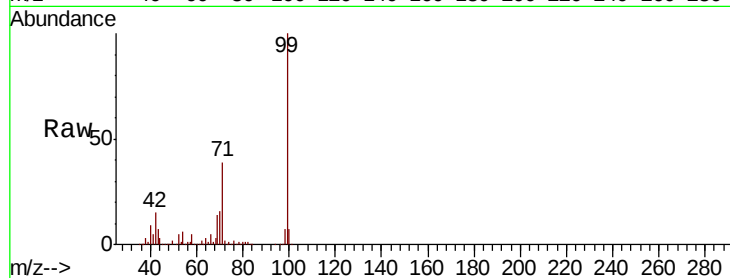
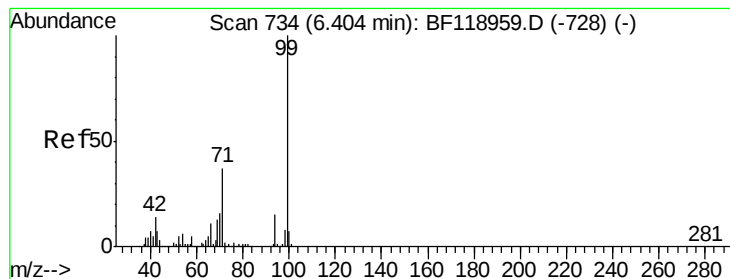
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#5
 2-Fluorophenol
 Concen: 96.394 ng
 RT: 5.35 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: BF119306.D
 Acq: 10 Mar 2020 2:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	45.0	67.4
63	29.9	24.2	36.4





#7

Phenol-d6

Concen: 96.297 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119306.D

Acq: 10 Mar 2020 2:22

Tot Ion:	99	Resp:	747077
Ion Ratio	Lower	Upper	
99	100		
42	15.1	12.6	18.8
71	39.0	31.0	46.4

Instrument :

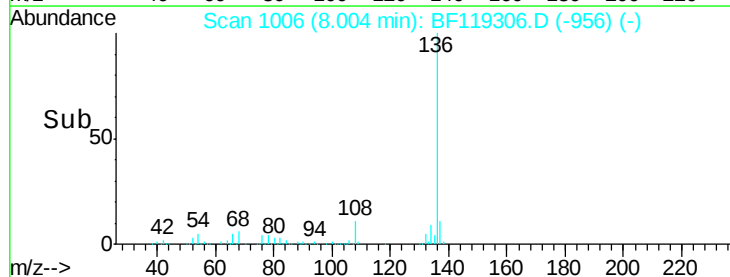
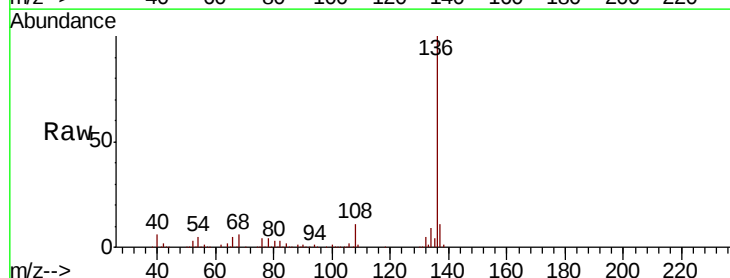
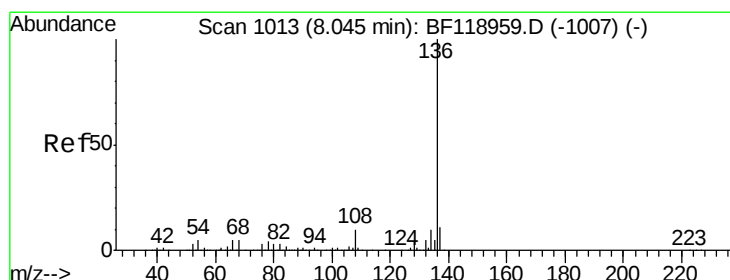
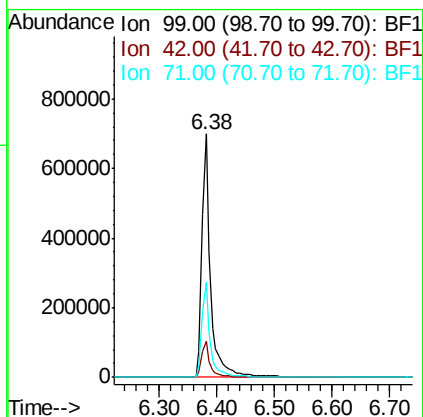
BNA_F

ClientSampleId :

DN1

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#21

Naphthalene-d8

Concen: 20.000 ng

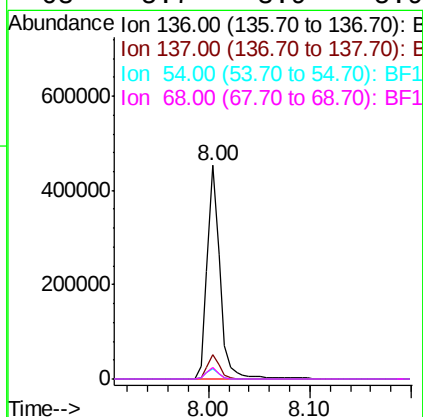
RT: 8.00 min Scan# 1006

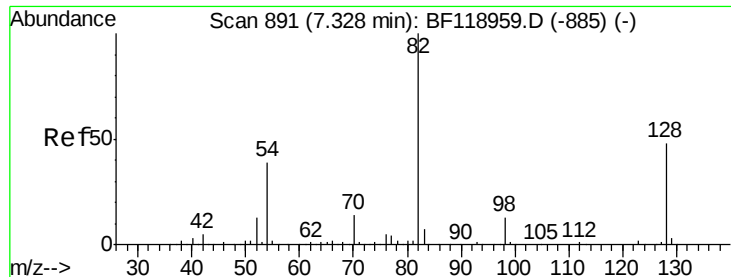
Delta R.T. -0.01 min

Lab File: BF119306.D

Acq: 10 Mar 2020 2:22

Tgt Ion:	136	Resp:	399634
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	5.0	3.8	5.6
68	5.7	3.9	5.9





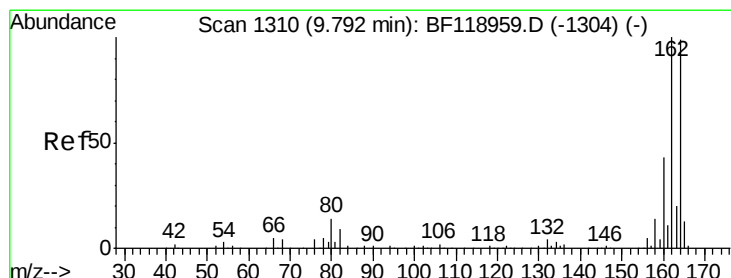
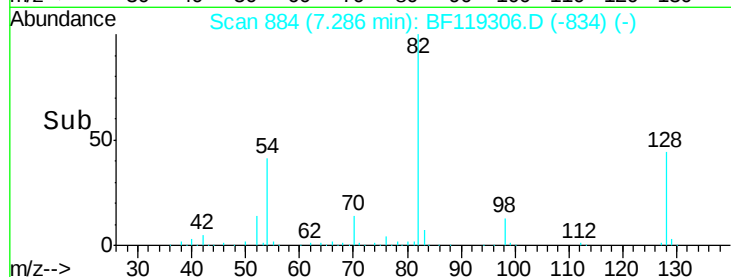
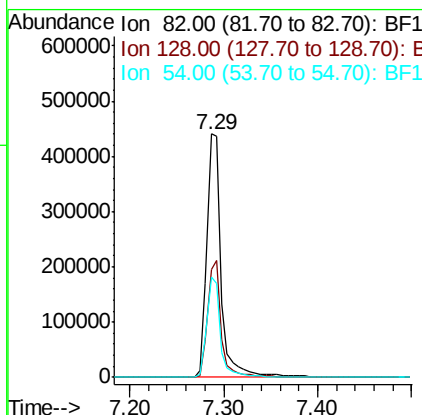
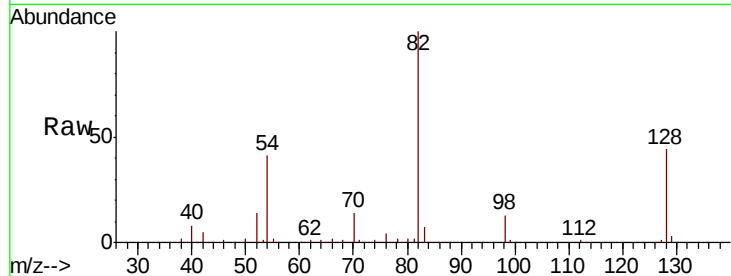
#23
 Nitrobenzene-d5
 Concen: 63.194 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF119306.D
 Acq: 10 Mar 2020 2:22

Instrument :
 BNA_F
 ClientSampled :
 DN1

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	37.9	56.9
54	40.9	33.4	50.2

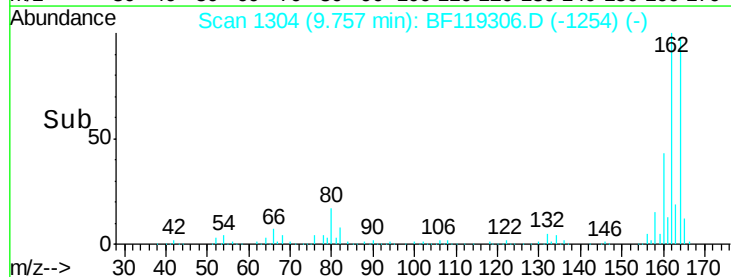
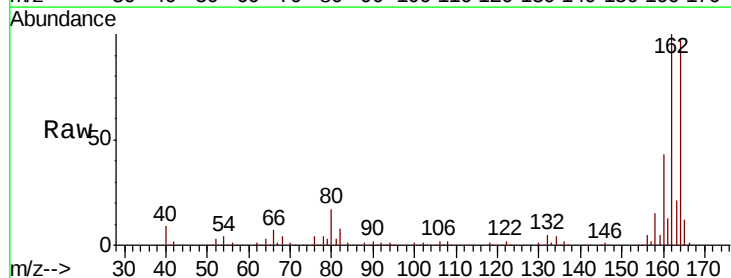
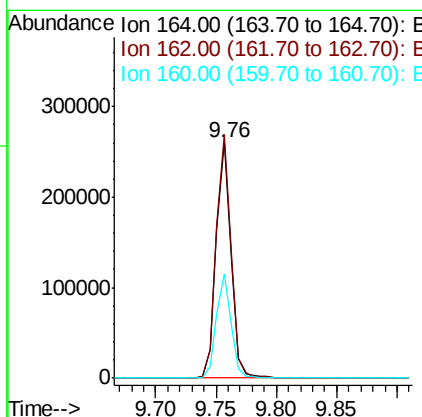
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF119306.D
 Acq: 10 Mar 2020 2:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.8	122.8
160	44.4	36.0	54.0





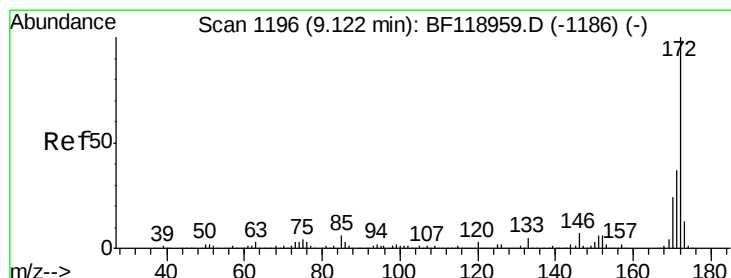
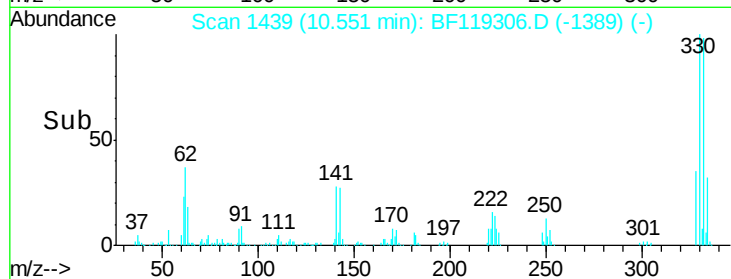
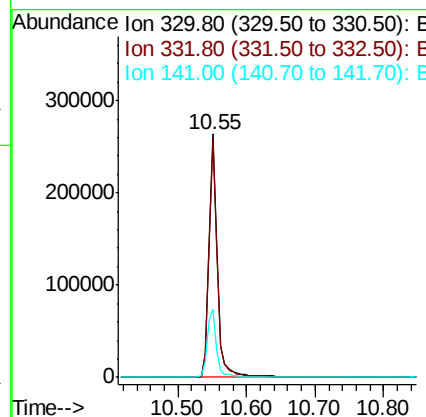
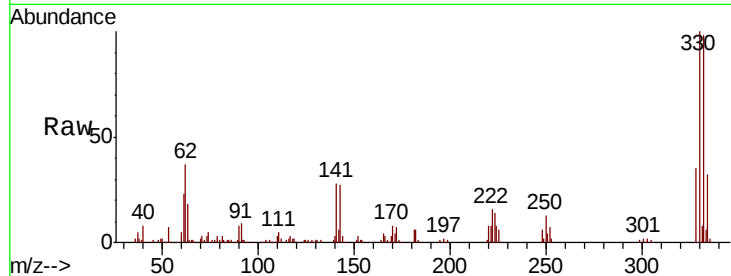
#42
 2,4,6-Tribromophenol
 Concen: 83.444 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119306.D
 Acq: 10 Mar 2020 2:22

Instrument :
 BNA_F
 ClientSampleId :
 DN1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	237584		
332	97.2	76.0	114.0	
141	30.4	22.9	34.3	

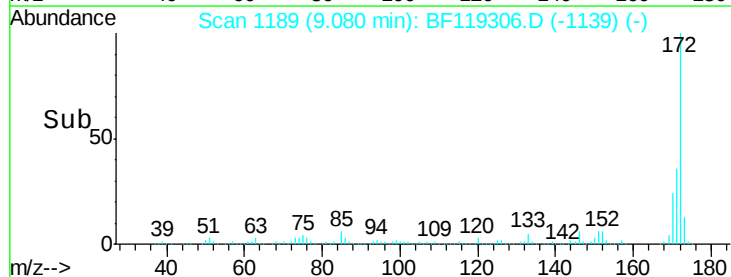
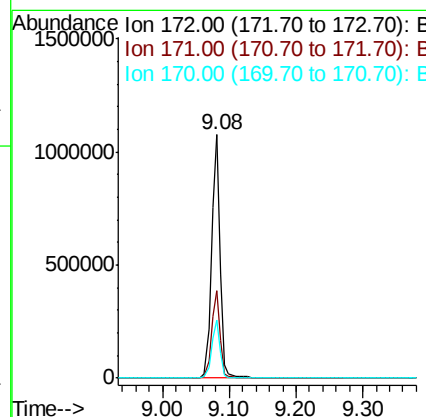
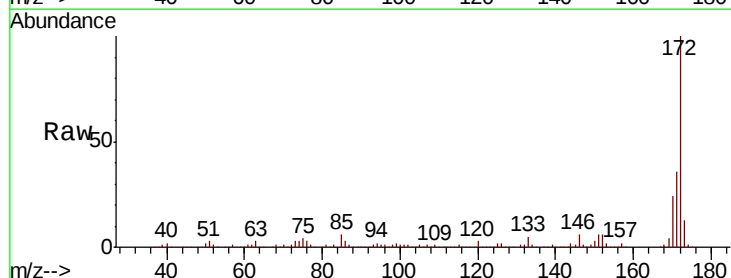
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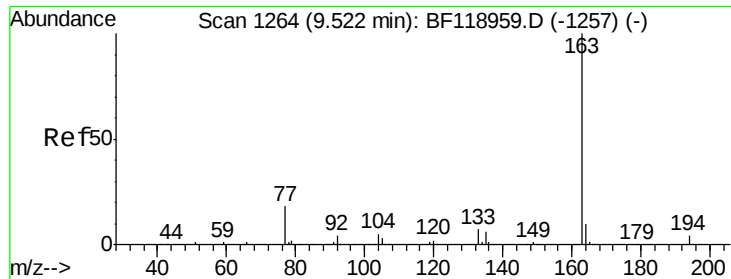
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#45
 2-Fluorobiphenyl
 Concen: 64.244 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119306.D
 Acq: 10 Mar 2020 2:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	949159		
171	36.0	30.6	45.8	
170	23.6	20.2	30.2	





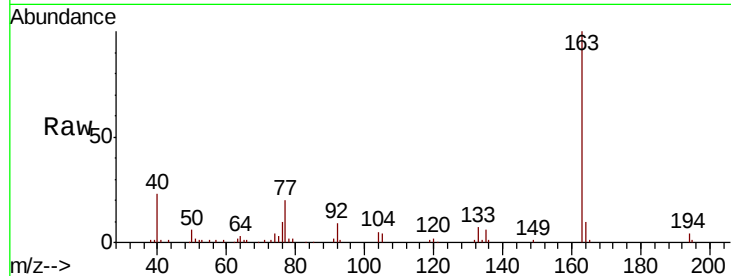
#50
Dimethylphthalate
Concen: 5.232 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Instrument :
BNA_F
ClientSampleId :
DN1

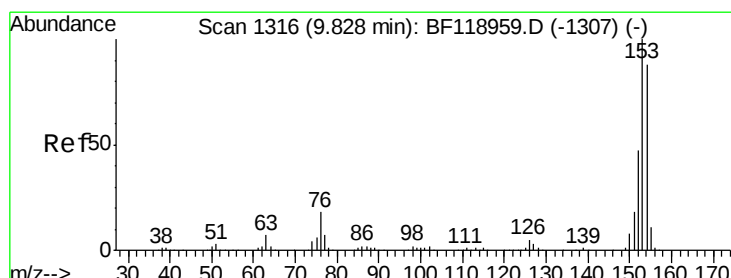
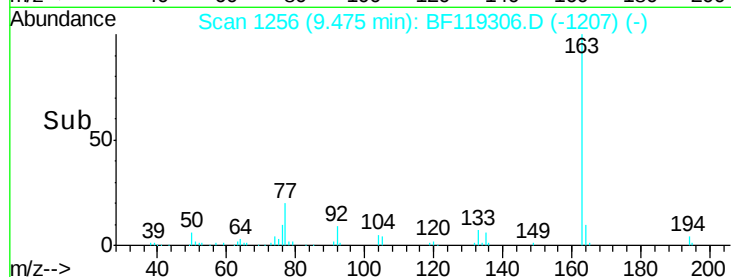
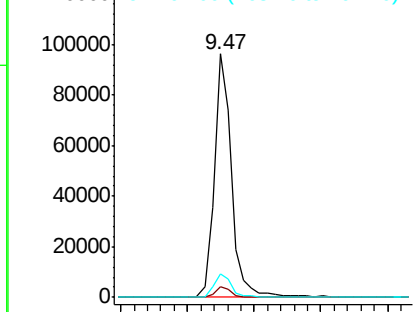
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.6	8.4	12.6

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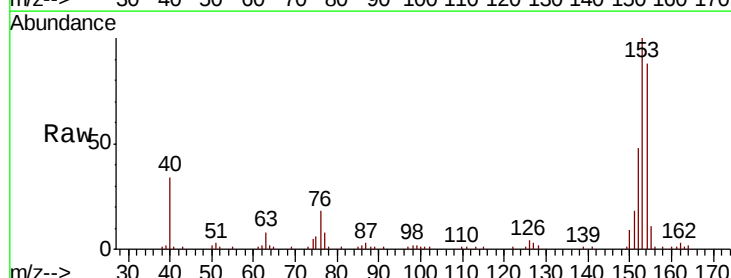


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

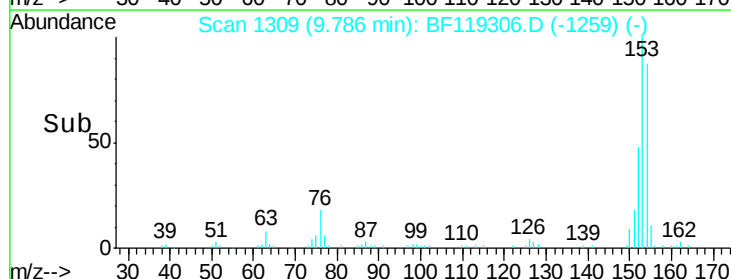
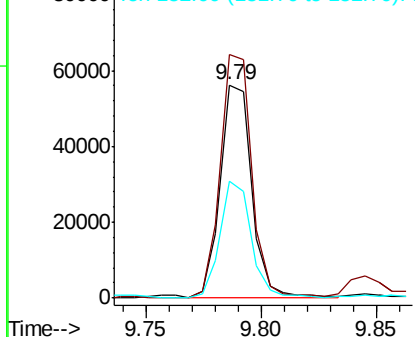


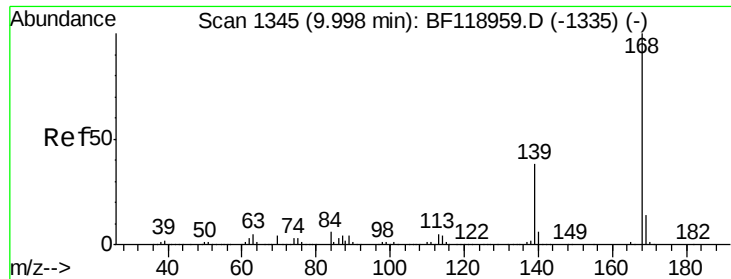
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Acenaphthene
Concen: 4.343 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.2	90.3	135.5
152	54.7	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





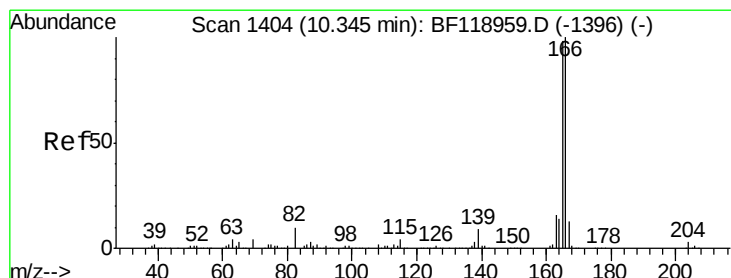
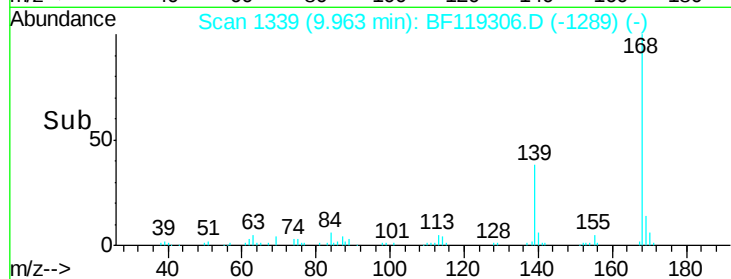
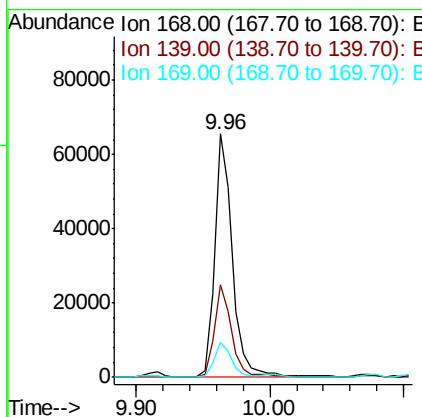
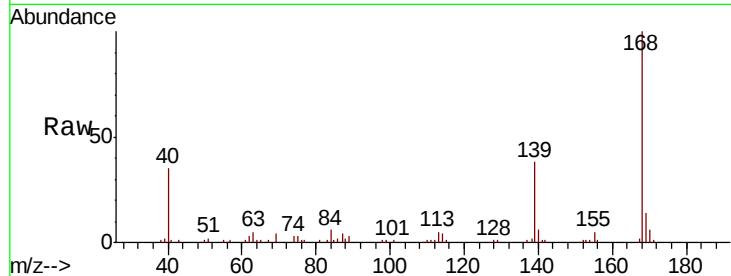
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Dibenzofuran
Concen: 3.349 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Instrument :
BNA_F
ClientSampleId :
DN1

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.1	34.0	51.0
169	14.5	11.0	16.4

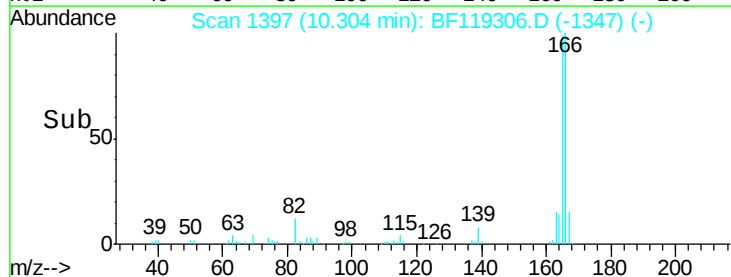
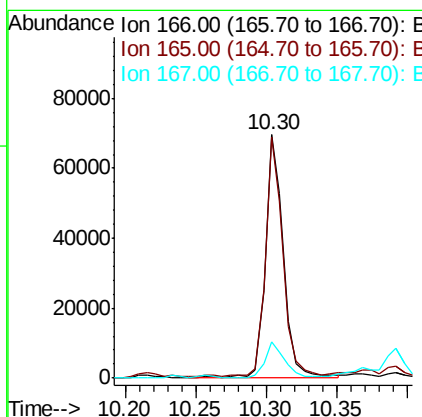
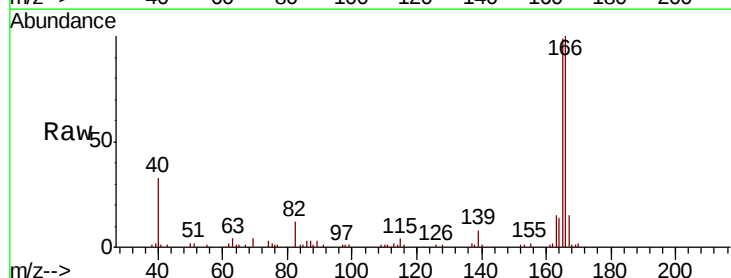
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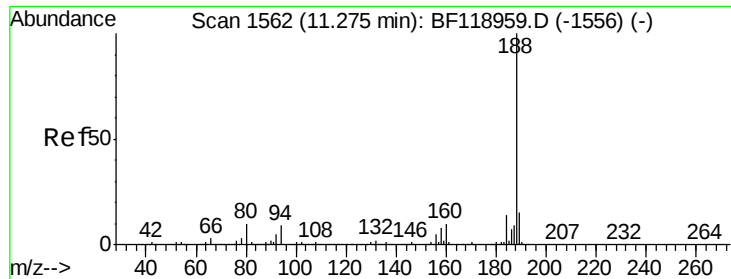
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#58
Fluorene
Concen: 4.403 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.5	117.7
167	15.0	11.0	16.4





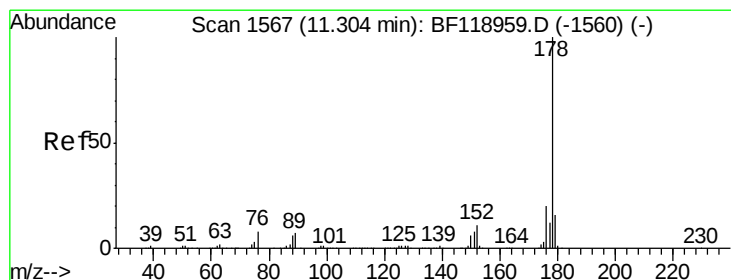
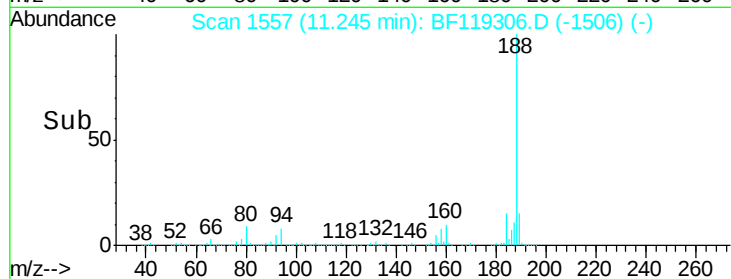
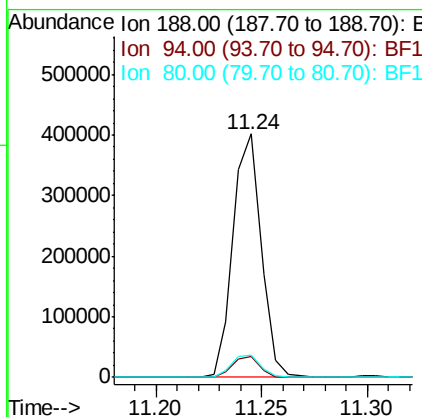
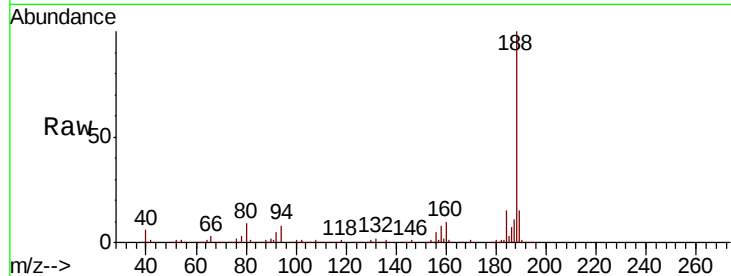
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Instrument :
BNA_F
ClientSampled :
DN1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	369764		
94	8.5		7.1	10.7
80	9.2		7.8	11.8

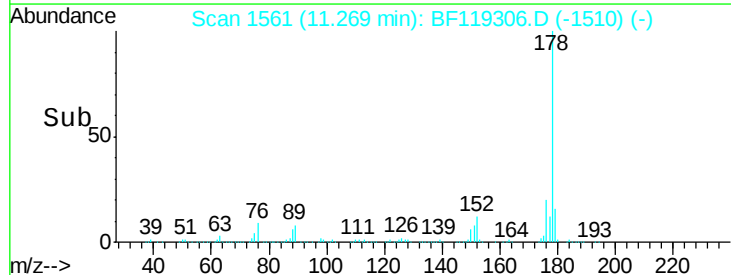
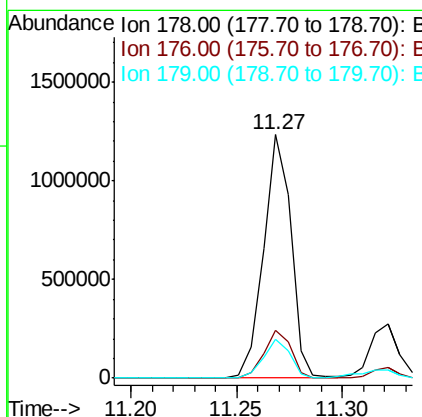
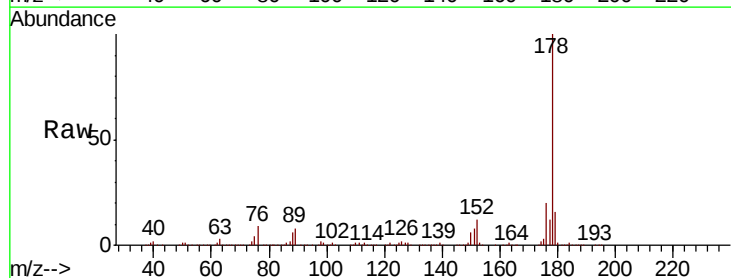
Manual Integrations
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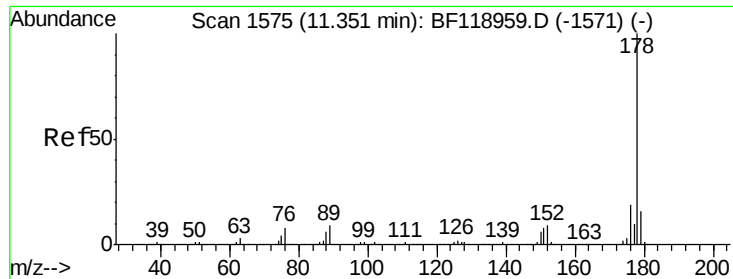
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#71
Phenanthrene
Concen: 55.492 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1118999		
176	19.9		16.5	24.7
179	15.8		13.0	19.6





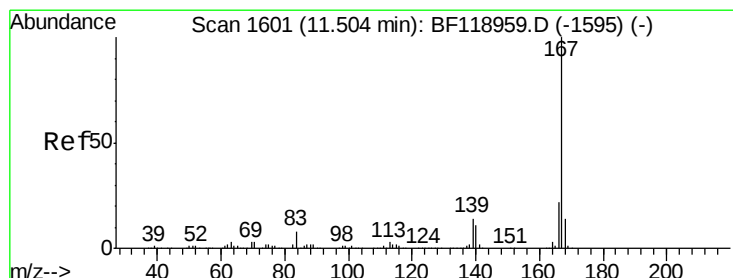
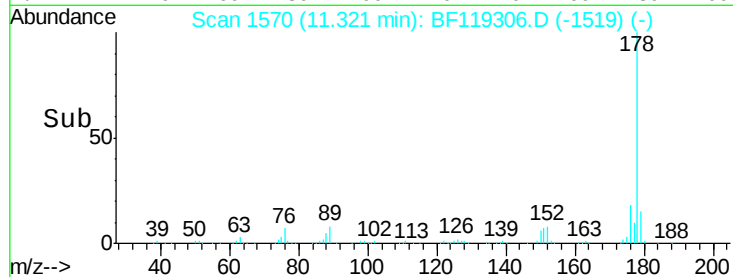
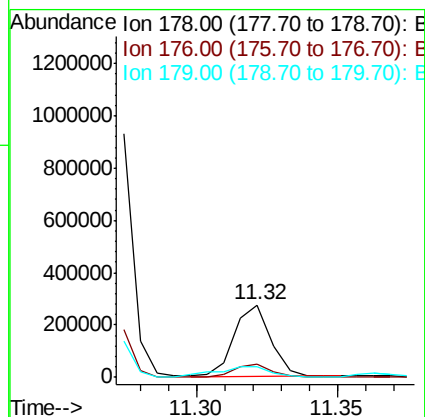
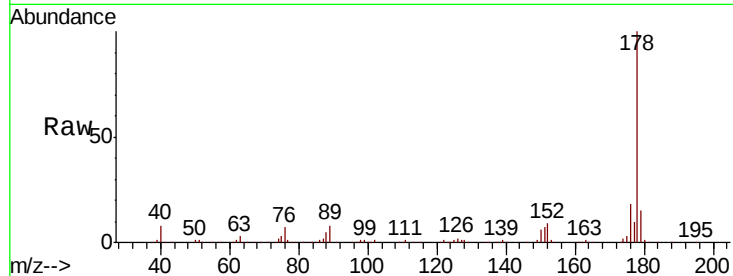
#72
 Anthracene
 Concen: 12.281 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF119306.D
 Acq: 10 Mar 2020 2:22

Instrument :
 BNA_F
 ClientSampleId :
 DN1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.0	24.0
179	15.2	13.1	19.7

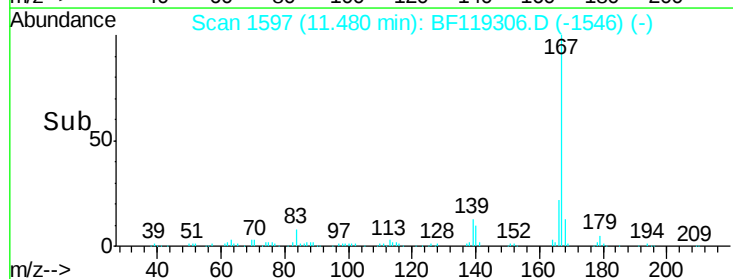
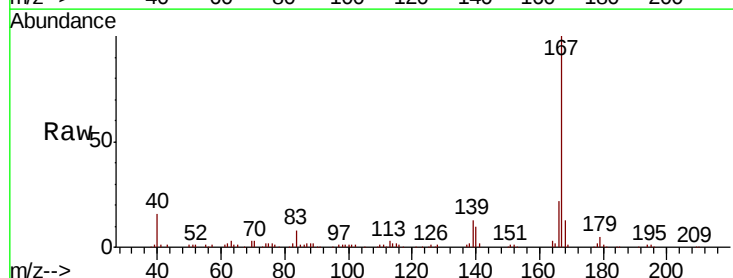
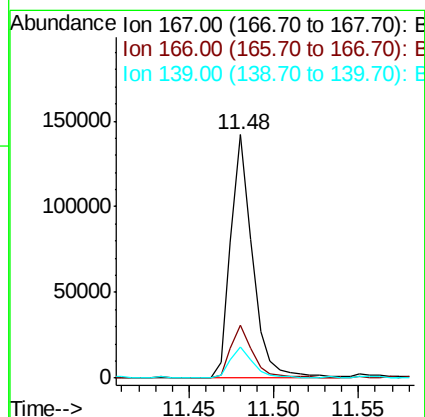
Manual Integrations
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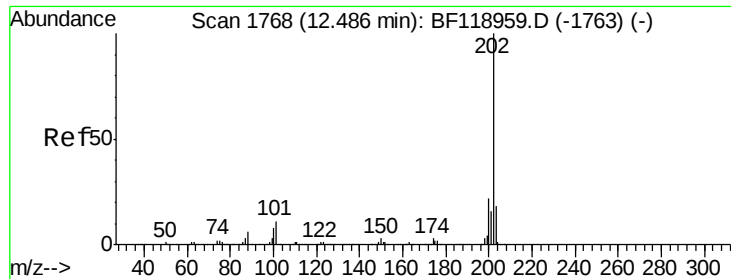
mohammad
 3/10/2020 2:44:58 PM



#73
 Carbazole
 Concen: 7.181 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF119306.D
 Acq: 10 Mar 2020 2:22

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.2	27.4
139	13.0	11.7	17.5





#75

Fluoranthene

Concen: 62.100 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF119306.D

Acq: 10 Mar 2020 2:22

Instrument :

BNA_F

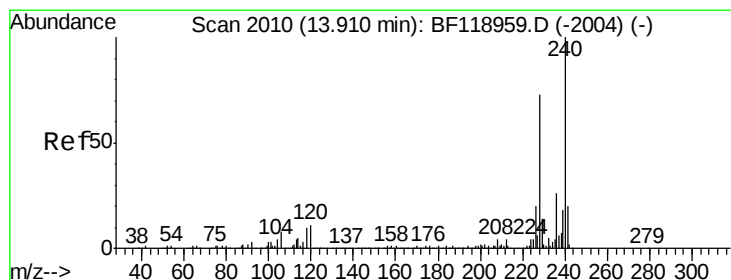
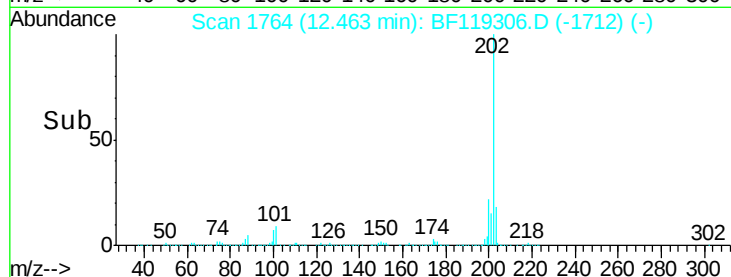
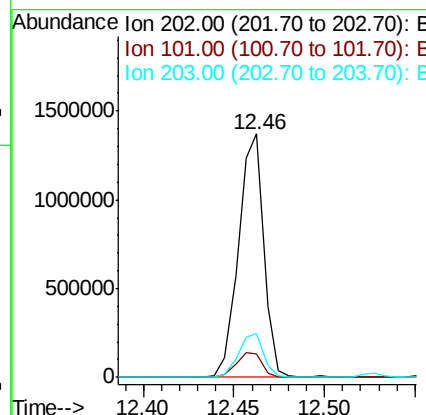
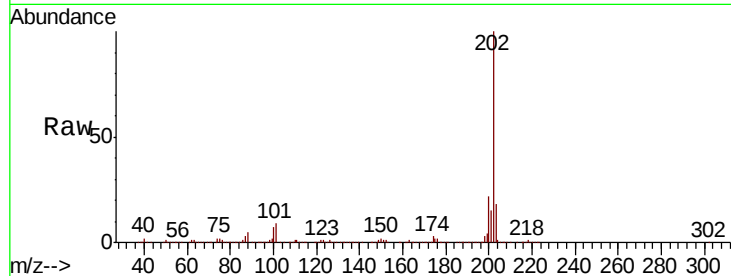
ClientSampleId :

DN1

Tot Ion:	202	Resp:	1329229
Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	30.3
203	17.9	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

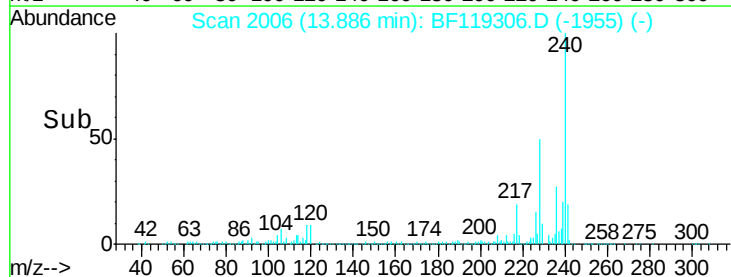
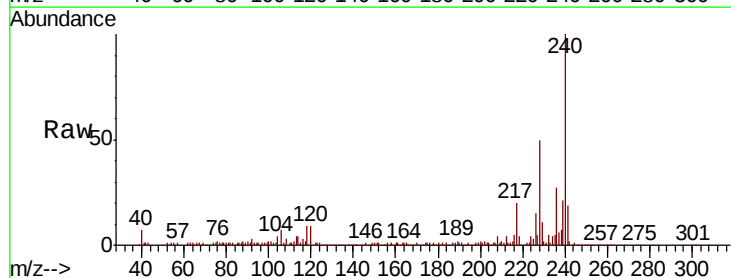
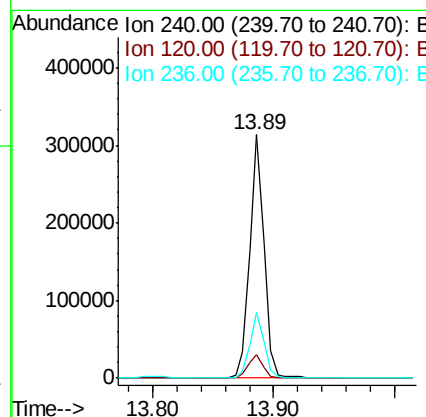
RT: 13.89 min Scan# 2006

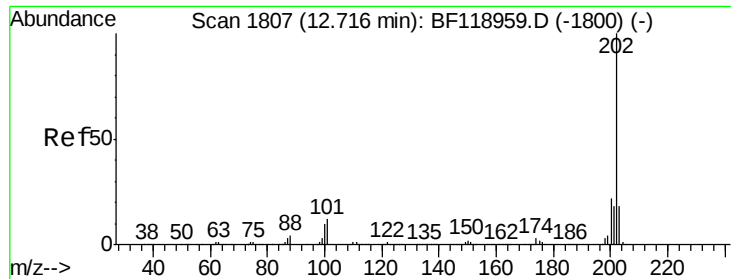
Delta R.T. 0.00 min

Lab File: BF119306.D

Acq: 10 Mar 2020 2:22

Tgt Ion:	240	Resp:	260361
Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.4	12.6
236	27.2	21.0	31.4





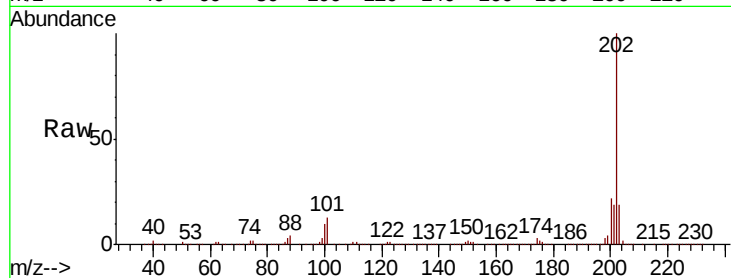
#78
Pvrene
Concen: 51.828 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.00 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Instrument :
BNA_F
ClientSampled :
DN1

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.0	27.0
203	18.6	14.6	22.0

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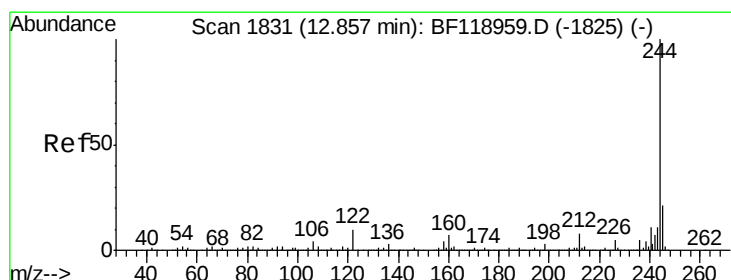
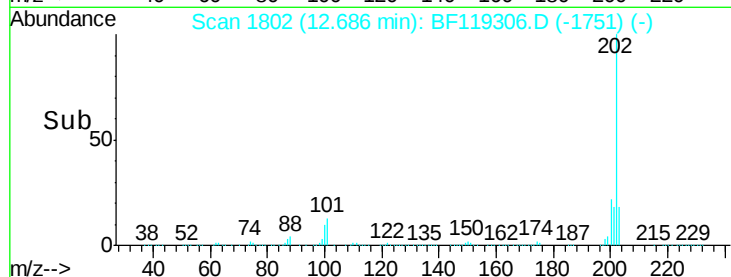
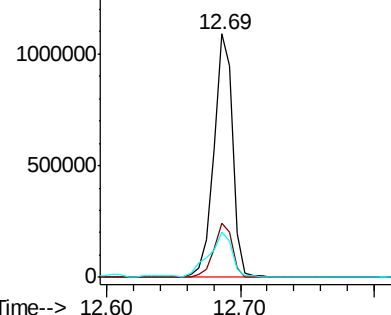


Abundance

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: 57.081 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

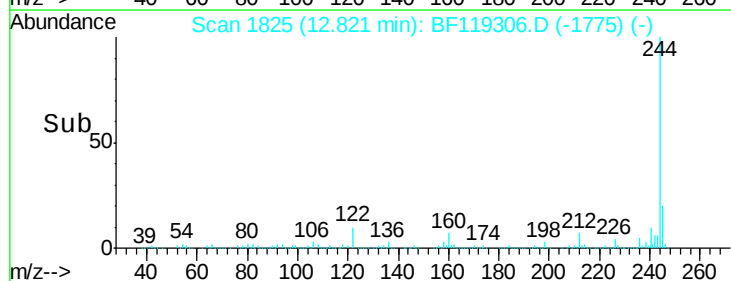
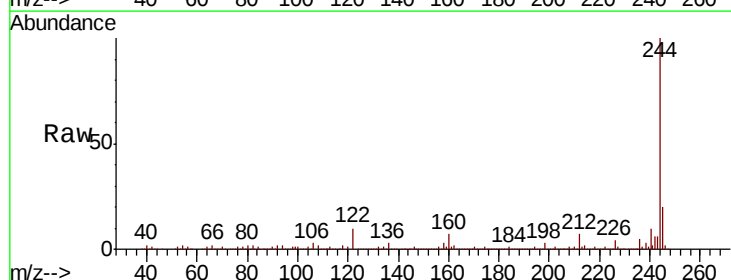
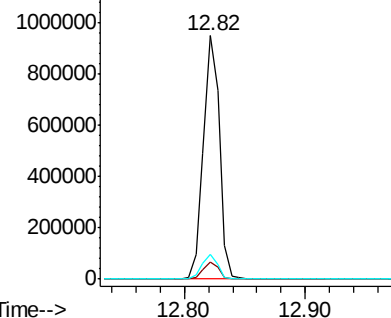
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.6	10.0
122	10.3	8.2	12.2

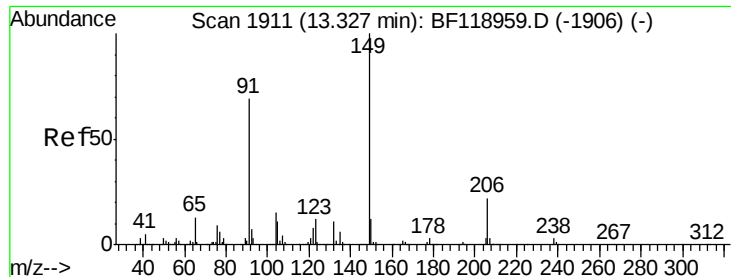
Abundance

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





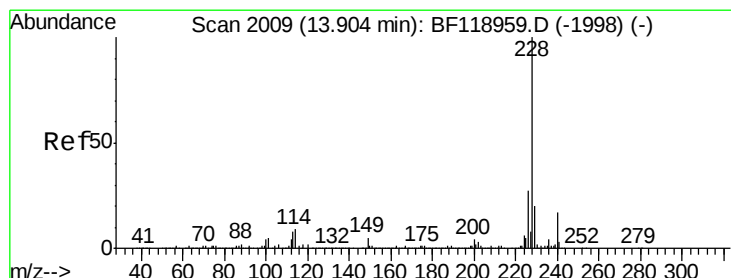
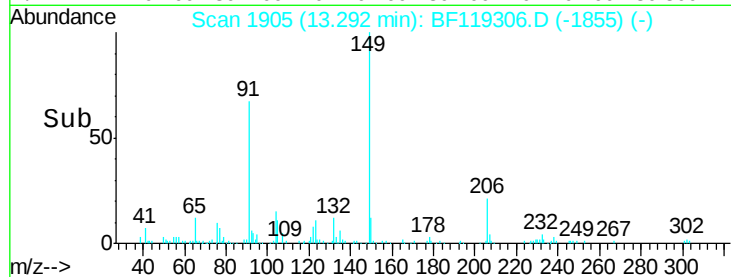
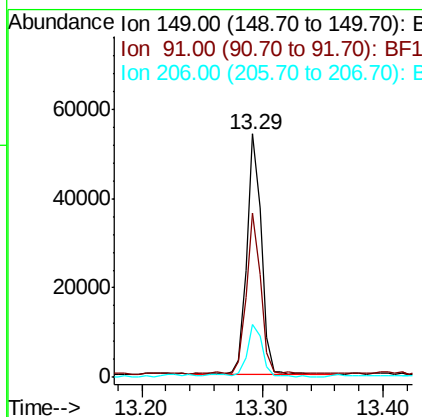
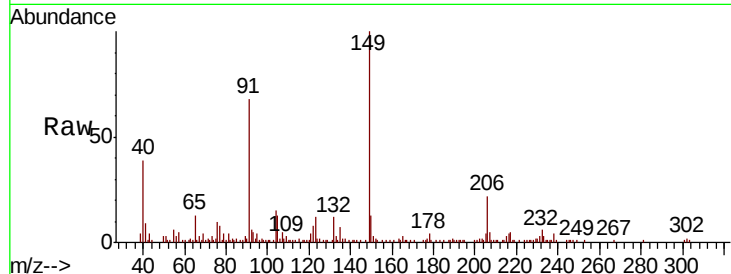
#80
Butylbenzylphthalate
Concen: 5.201 ng
RT: 13.29 min Scan# 1905
Delta R.T. -0.01 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Instrument :
BNA_F
ClientSampled :
DN1

Tot Ion	Ratio	Lower	Upper
149	100		
91	67.6	52.3	78.5
206	21.7	18.5	27.7

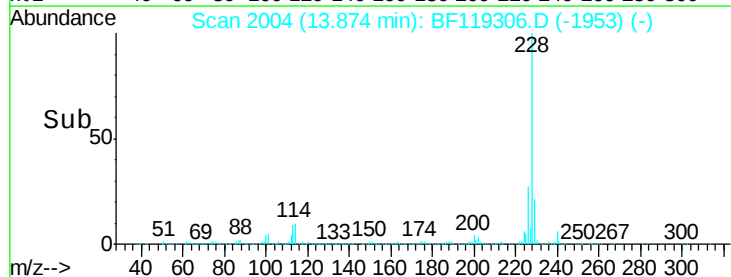
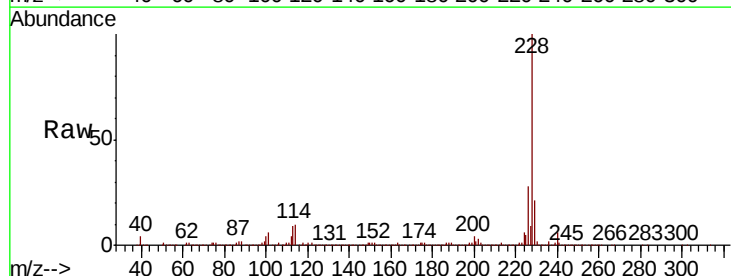
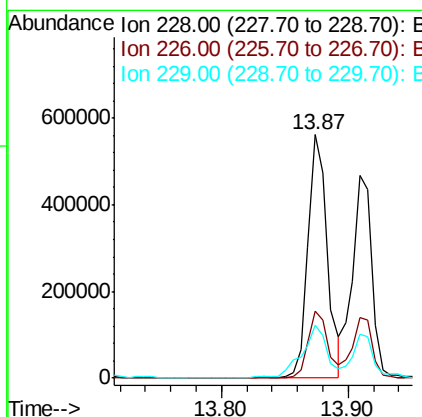
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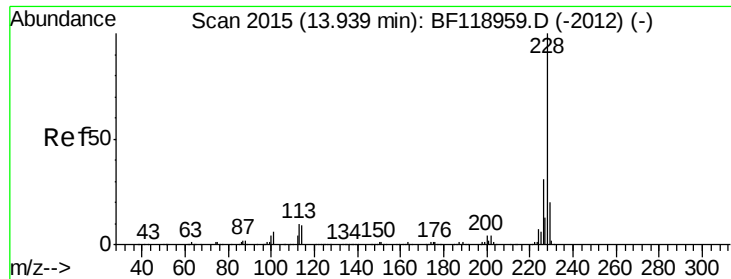
mohammad
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#81
Benzo(a)anthracene
Concen: 33.360 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	21.5	16.6	24.8





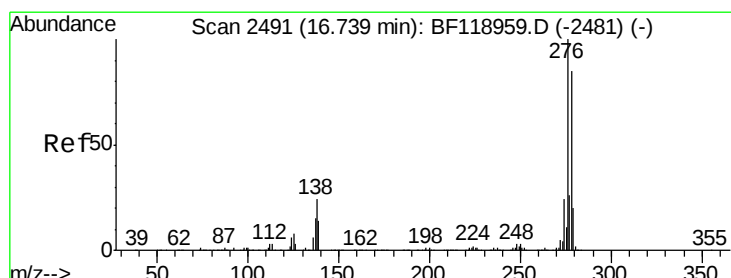
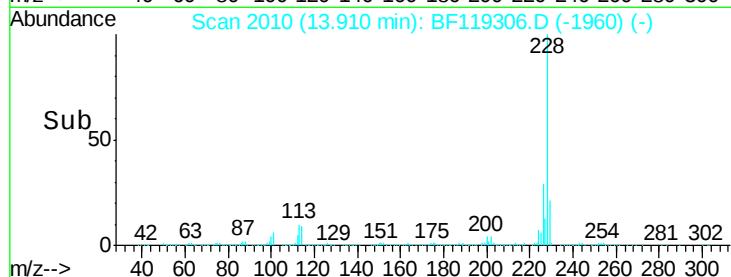
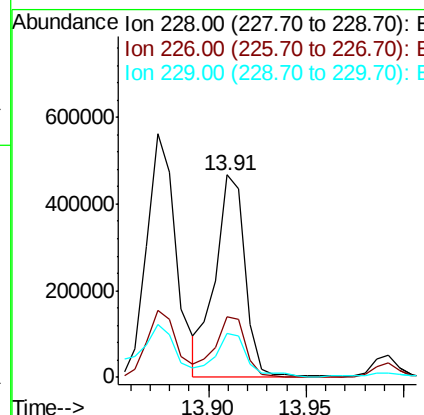
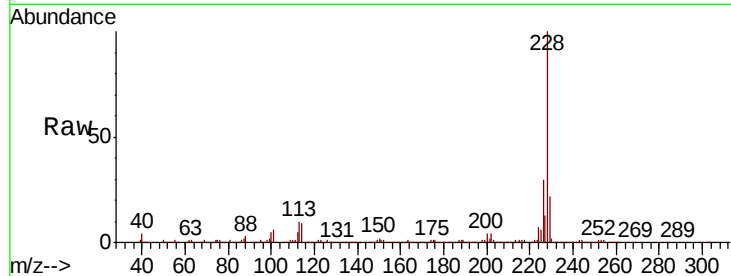
#83
Chrysene
Concen: 27.979 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Instrument :
BNA_F
ClientSampleId :
DN1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.1	37.7
229	21.7	16.3	24.5

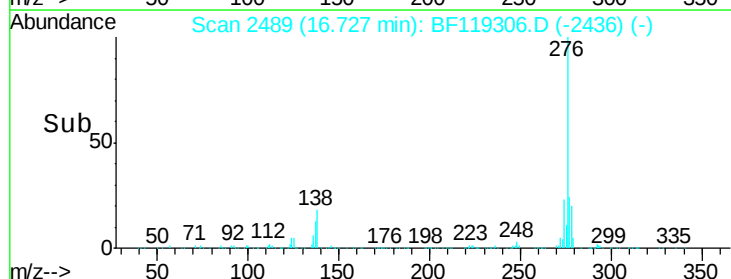
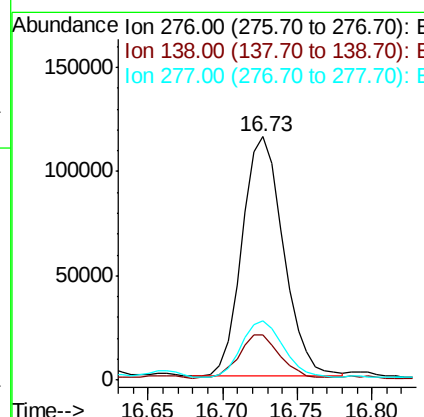
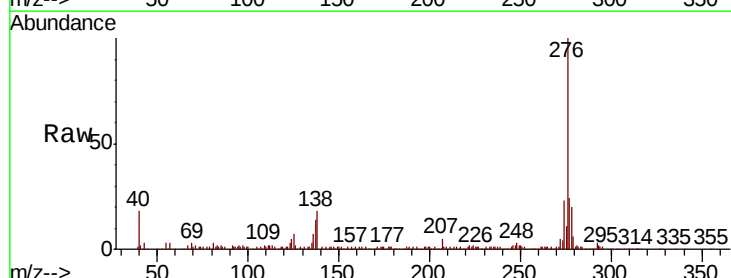
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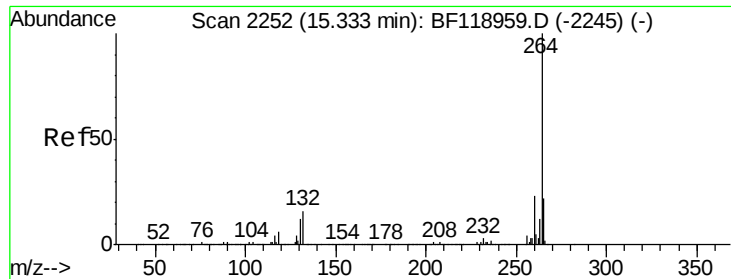
mohammad
3/10/2020 2:44:58 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 12.920 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.01 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.4	17.4	26.0
277	24.1	20.3	30.5





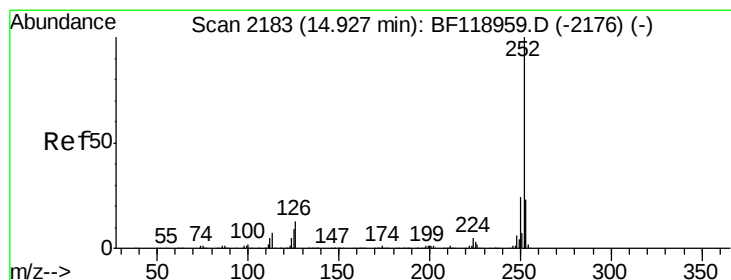
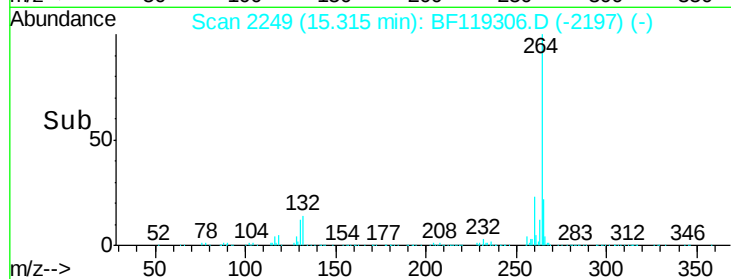
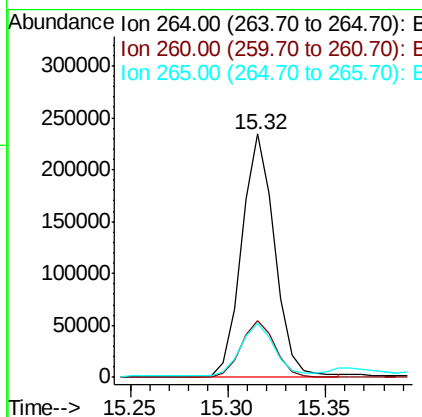
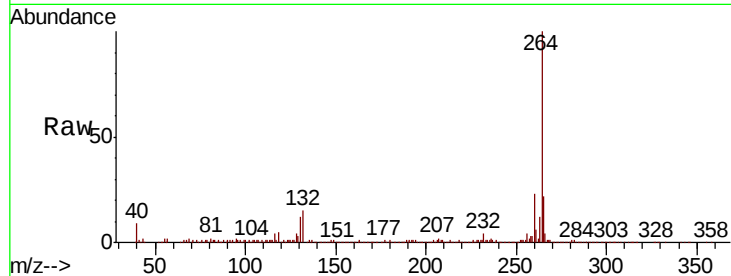
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Instrument :
BNA_F
ClientSampleId :
DN1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.2
265	22.1	17.7	26.5

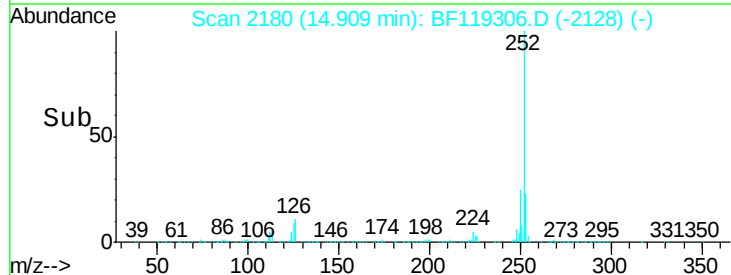
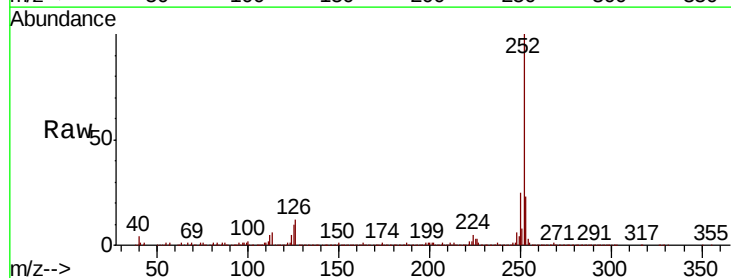
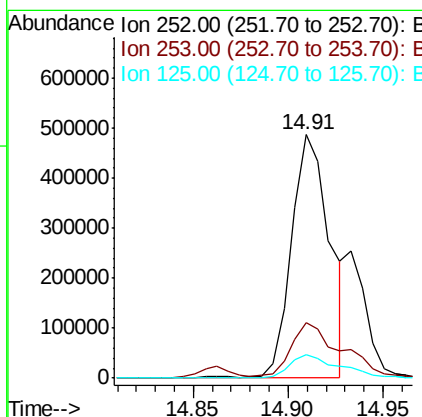
Manual Integrations
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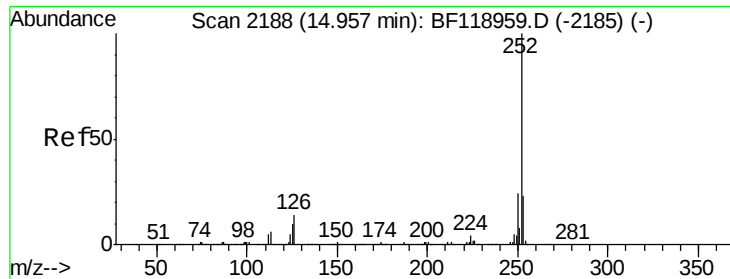
mohammad
3/10/2020 2:44:58 PM



#88
Benzo(b)fluoranthene
Concen: 38.707 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	9.5	7.4	11.0





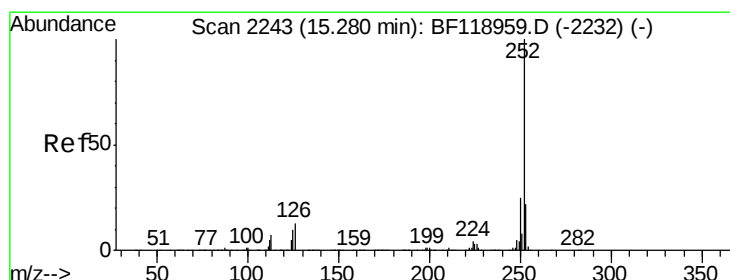
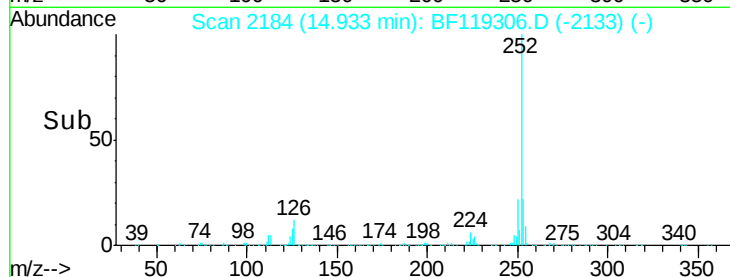
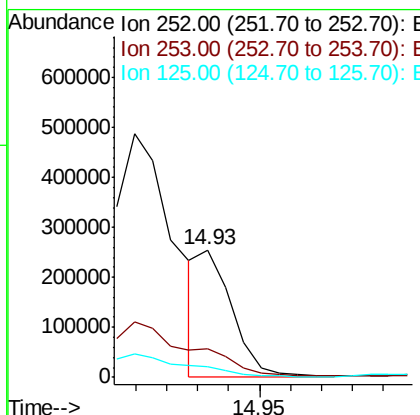
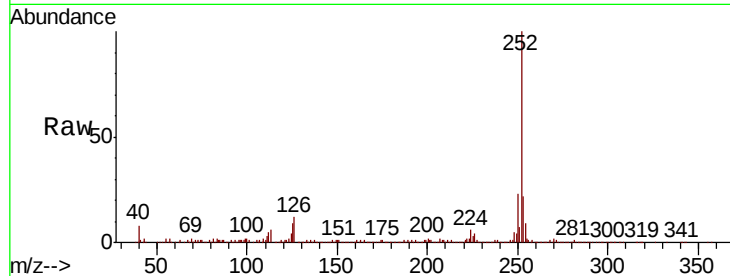
#89
Benzo(k)fluoranthene
Concen: 11.577 ng m
RT: 14.93 min Scan# 2184
Delta R.T. 0.00 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Instrument :
BNA_F
ClientSampled :
DN1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	8.7	7.5	11.3

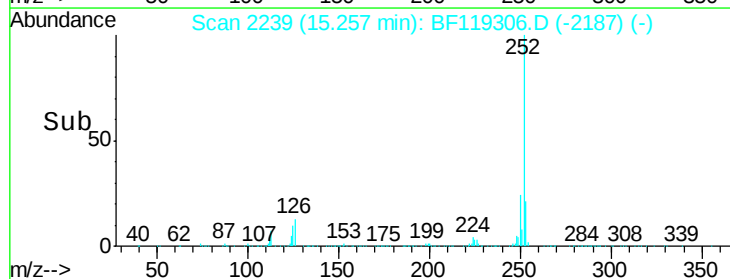
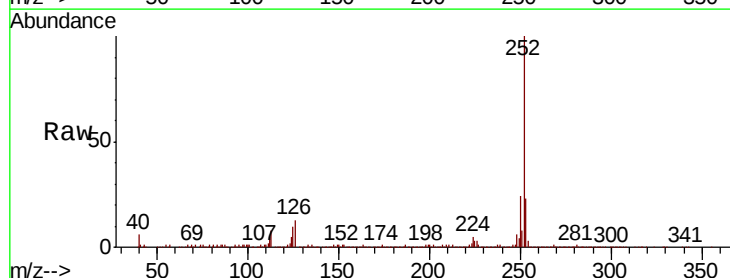
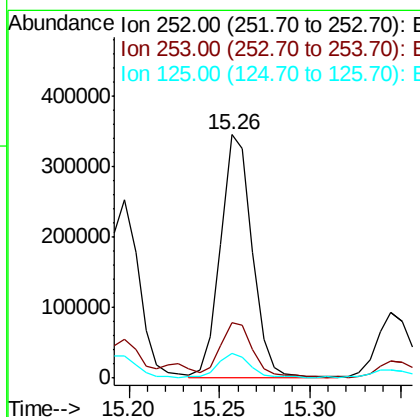
Manual Integrations
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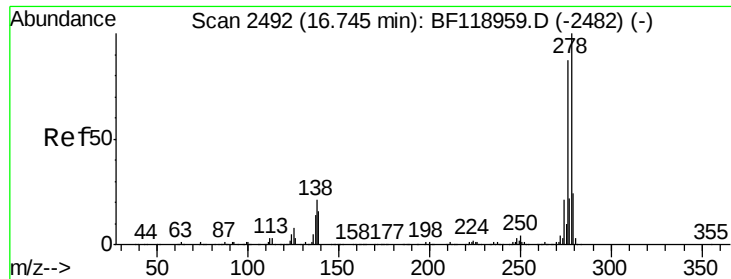
mohammad
3/10/2020 2:44:58 PM



#90
Benzo(a)pyrene
Concen: 25.756 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	10.3	8.6	12.8





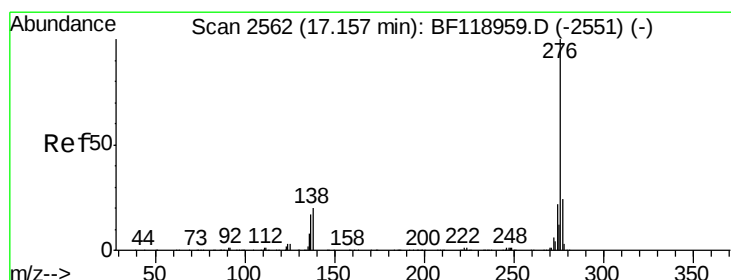
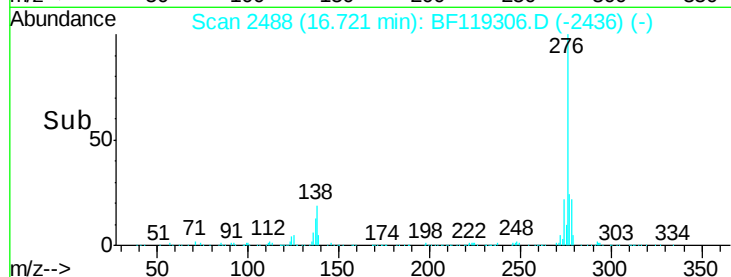
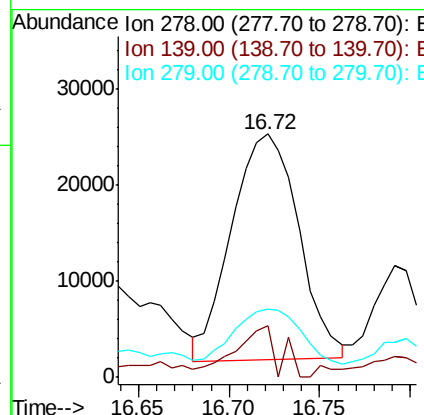
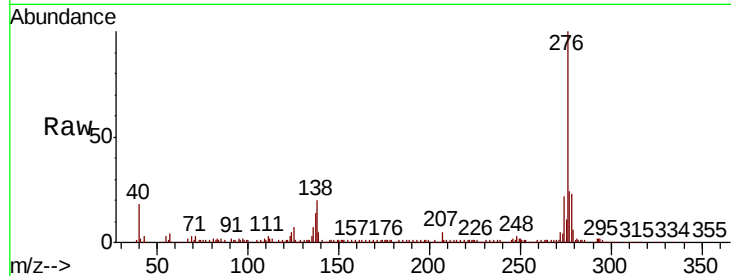
#91
Dibenzo(a,h)anthracene
Concen: 4.228 ng
RT: 16.72 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Instrument :
BNA_F
ClientSampleId :
DN1

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.0	11.0	16.4#
279	27.8	18.6	28.0

Manual Integrations
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3/10/2020 2:44:58 PM



#92
Benzo(g,h,i)perylene
Concen: 14.287 ng
RT: 17.15 min Scan# 2561
Delta R.T. 0.01 min
Lab File: BF119306.D
Acq: 10 Mar 2020 2:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.7	28.1
138	18.6	14.3	21.5

