

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
 Data File : BF119323.D
 Acq On : 10 Mar 2020 18:21
 Operator : CG/JU
 Sample : L1849-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-230-218-211-216-242

Manual Integrations
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Quant Time: Mar 11 04:55:33 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	119241	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	448017	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	221732	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	319631	20.00	ng	0.00
76) Chrysene-d12	13.89	240	238635	20.00	ng	0.00
87) Perylene-d12	15.32	264	221898	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	718181	100.65	ng	0.01
7) Phenol-d6	6.39	99	870396	100.30	ng	0.00
23) Nitrobenzene-d5	7.29	82	565680	66.67	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	223532	77.06	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1022150	67.91	ng	0.00
79) Terphenyl-d14	12.83	244	863479	62.30	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.03	128	151776	6.532	ng	97
37) 2-Methylnaphthalene	8.72	142	44761	2.863	ng	99
38) 1-Methylnaphthalene	8.82	142	38299	2.604	ng	# 99
49) Acenaphthylene	9.62	152	47772	2.290	ng	99
50) Dimethylphthalate	9.47	163	196682	11.600	ng	99
52) Acenaphthene	9.79	154	84250	6.699	ng	98
55) Dibenzofuran	9.96	168	89324	4.758	ng	96
58) Fluorene	10.30	166	141931	9.730	ng	97
71) Phenanthrene	11.27	178	880584	50.518	ng	97
72) Anthracene	11.32	178	265087	15.220	ng	99
73) Carbazole	11.49	167	96066	6.191	ng	99
75) Fluoranthene	12.46	202	867329	46.876	ng	99
78) Pvrene	12.69	202	715157	37.321	ng	98
81) Benzo(a)anthracene	13.88	228	412943	25.397	ng	98
83) Chrysene	13.92	228	329599	20.344	ng	96
86) Indeno(1,2,3-cd)pyrene	16.74	276	127340	8.117	ng	94
88) Benzo(b)fluoranthene	14.92	252	393470m	26.902	ng	
89) Benzo(k)fluoranthene	14.94	252	96295m	7.104	ng	
90) Benzo(a)pvrene	15.26	252	254590	19.286	ng	99
91) Dibenzo(a,h)anthracene	16.73	278	30487	2.625	ng	# 89
92) Benzo(g,h,i)perylene	17.17	276	108085	9.418	ng	95

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

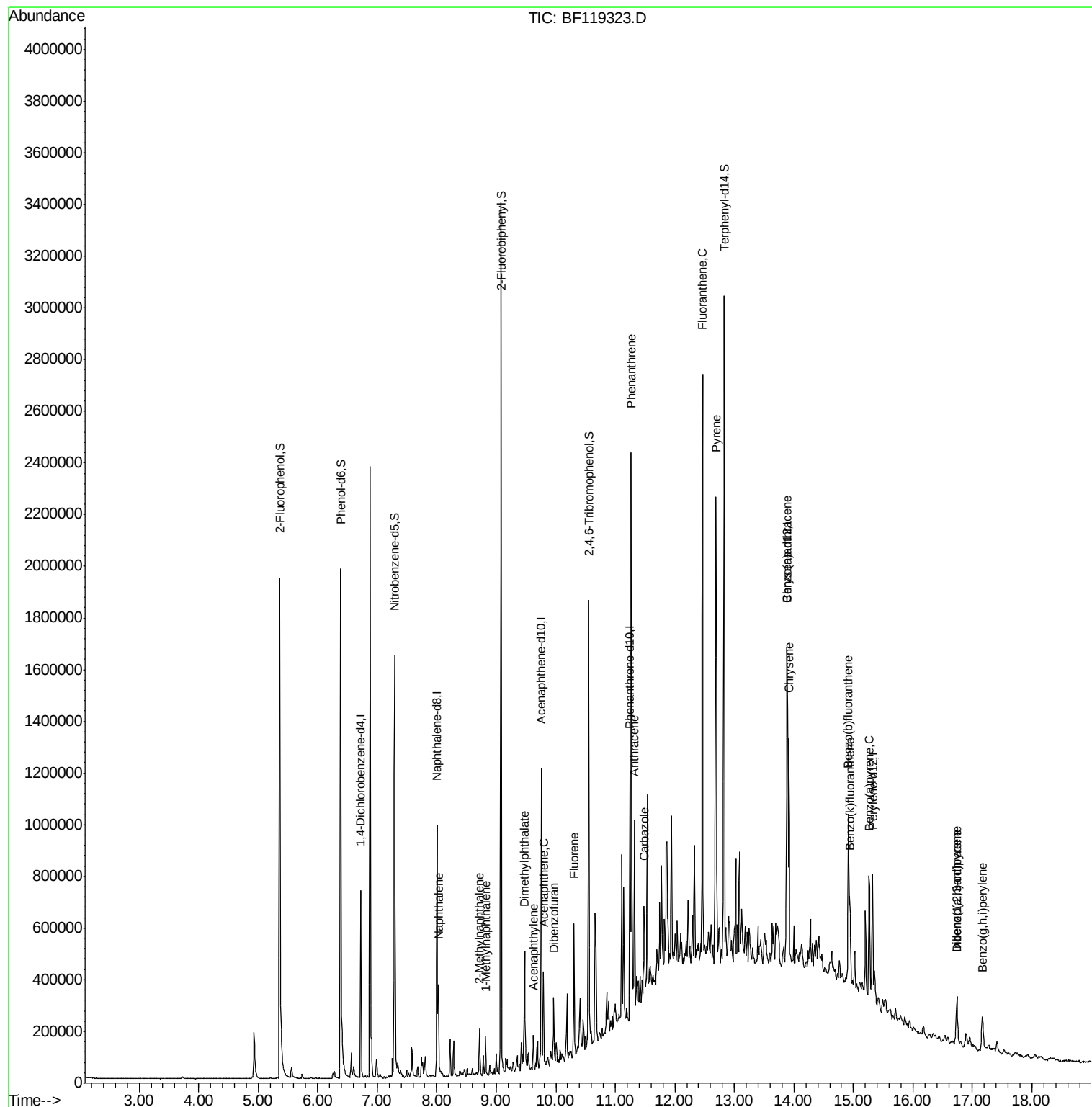
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119323.D
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Misc :
ALS Vial : 13 Sample Multiplier: 1

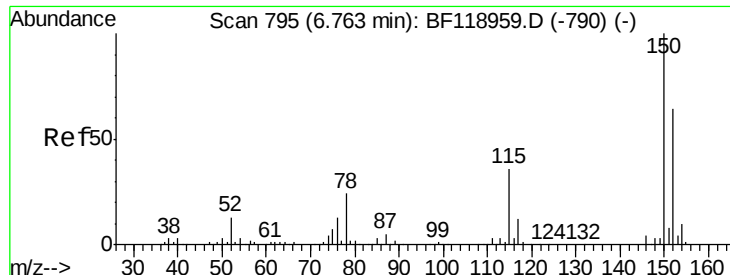
Instrument :
BNA_F
ClientSampleId :
VNJ-230-218-211-216-242

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

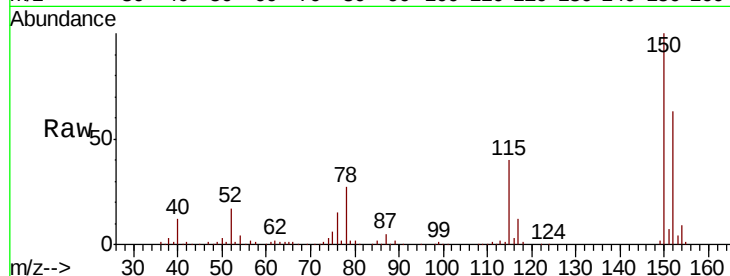
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Instrument :
BNA_F
ClientSampleId :
VNJ-230-218-211-216-242

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	123.0	184.6
115	63.4	49.5	74.3

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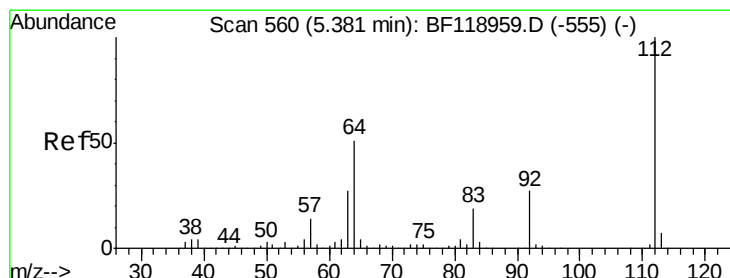
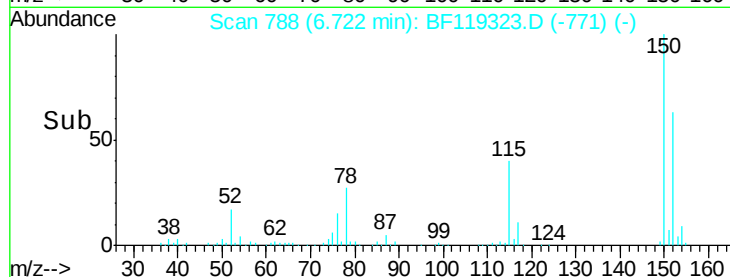
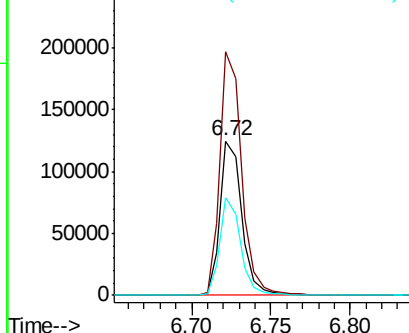


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

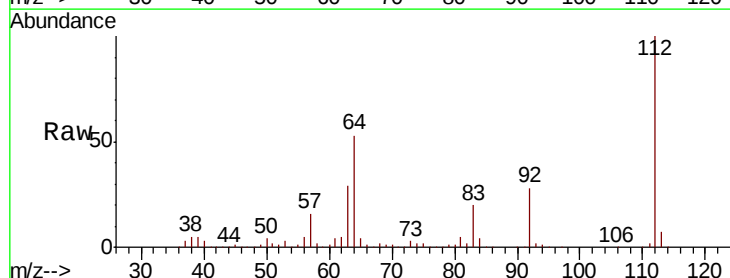
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.654 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	45.0	67.4
63	29.0	24.2	36.4

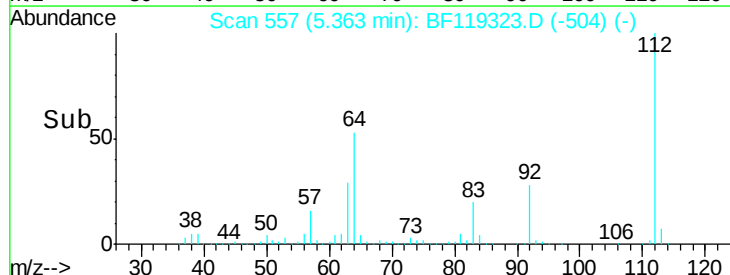
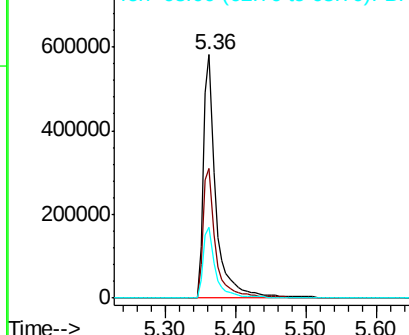


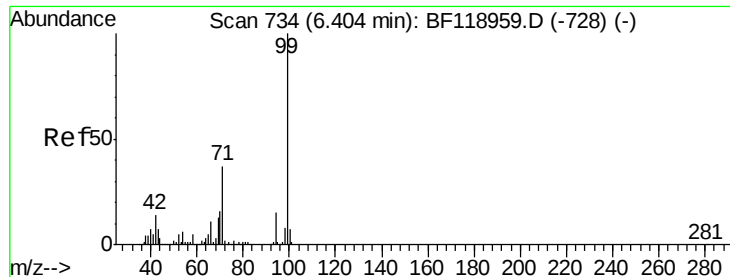
Abundance

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: 100.303 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF119323.D

Acq: 10 Mar 2020 18:21

Instrument :

BNA_F

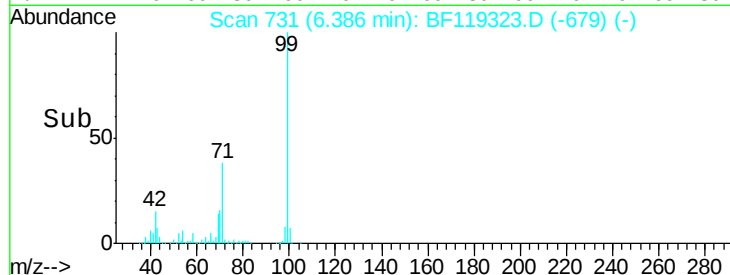
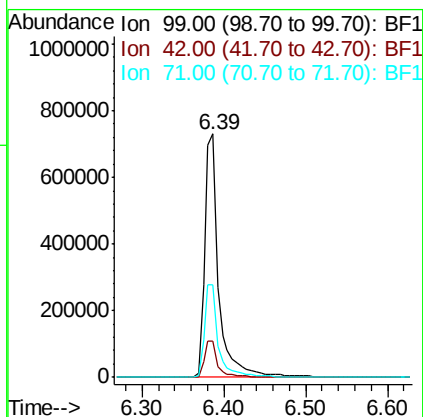
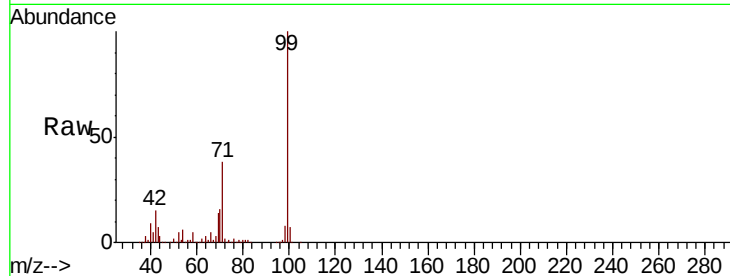
ClientSampleId :

VNJ-230-218-211-216-242

Tot Ion:	99	Resp:	870396
Ion	Ratio	Lower	Upper
99	100		
42	14.7	12.6	18.8
71	38.3	31.0	46.4

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#21

Naphthalene-d8

Concen: 20.000 ng

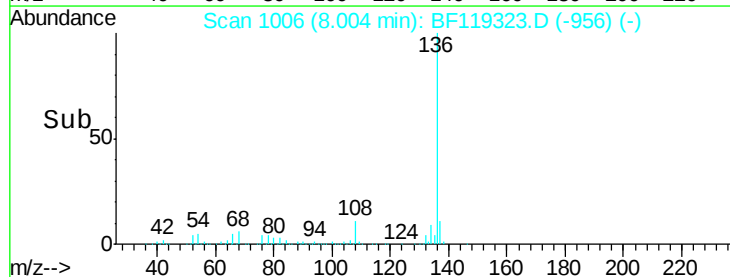
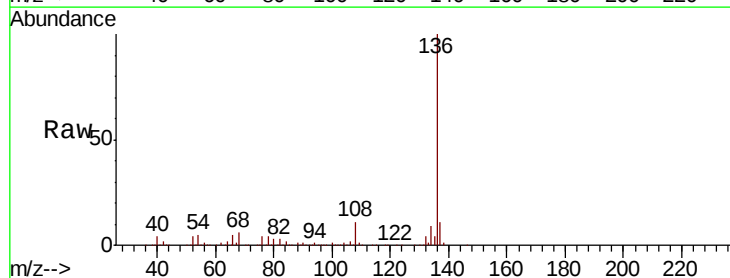
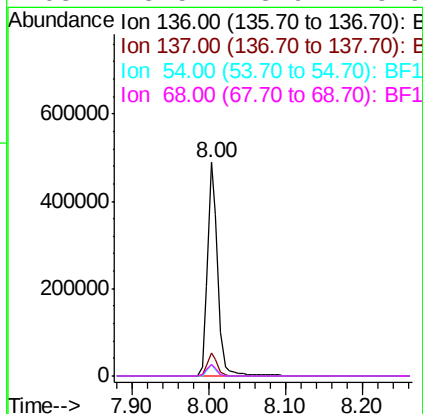
RT: 8.00 min Scan# 1006

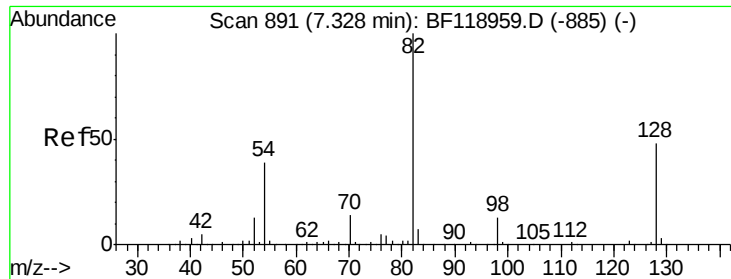
Delta R.T. -0.01 min

Lab File: BF119323.D

Acq: 10 Mar 2020 18:21

Tgt Ion:	136	Resp:	448017
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	5.1	3.8	5.6
68	5.5	3.9	5.9





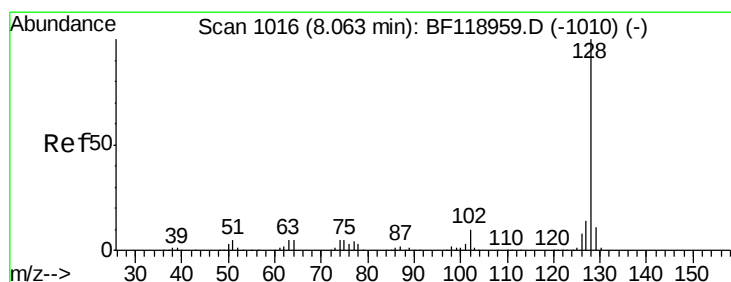
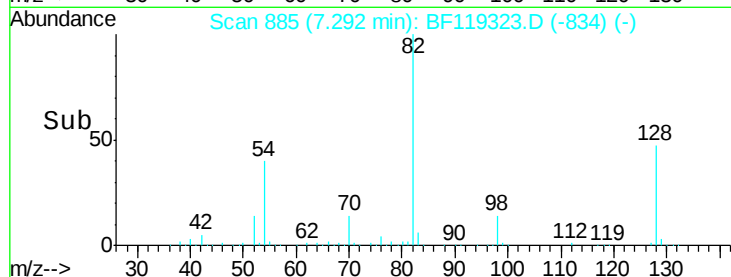
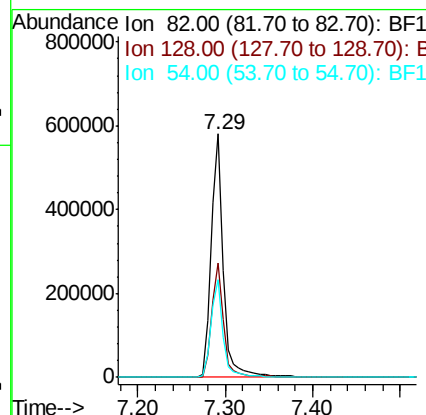
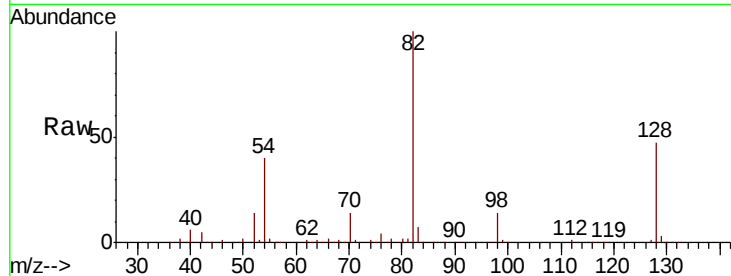
#23
Nitrobenzene-d5
Concen: 66.667 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.00 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Instrument :
BNA_F
ClientSampleId :
VNJ-230-218-211-216-242

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.9	56.9
54	39.9	33.4	50.2

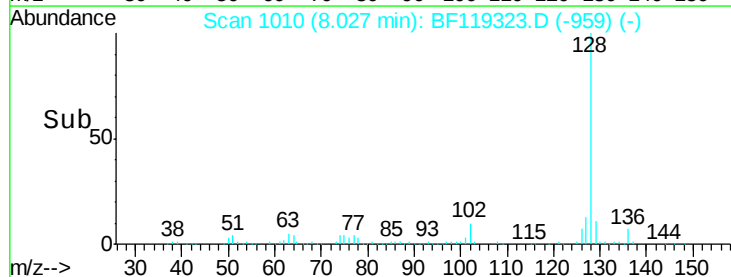
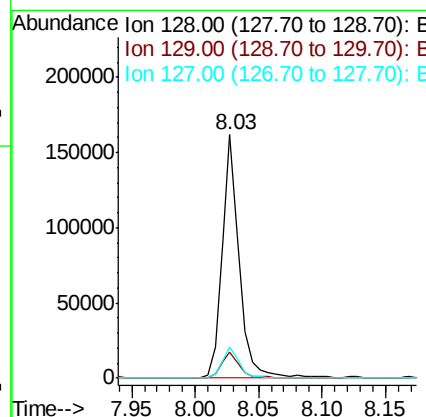
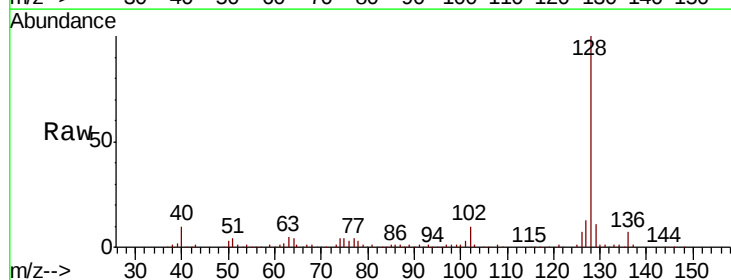
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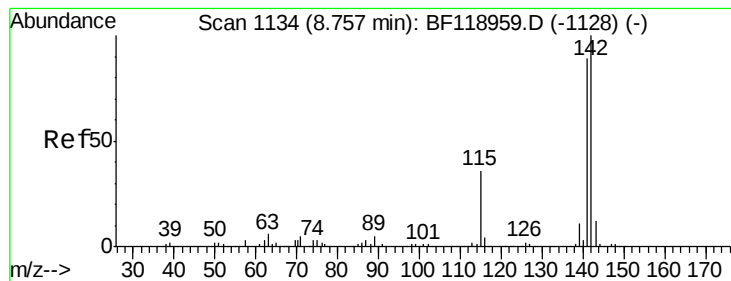
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#31
Naphthalene
Concen: 6.532 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.4	14.2
127	12.9	11.4	17.2





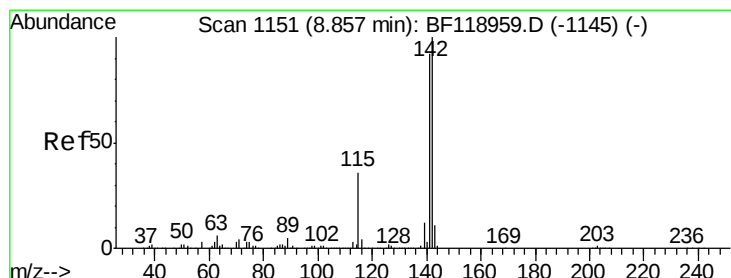
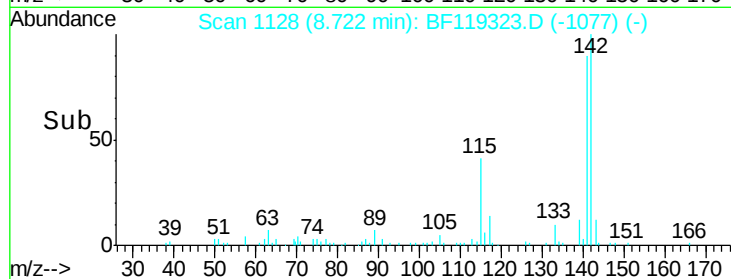
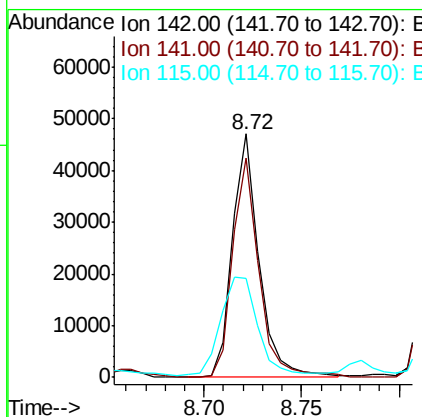
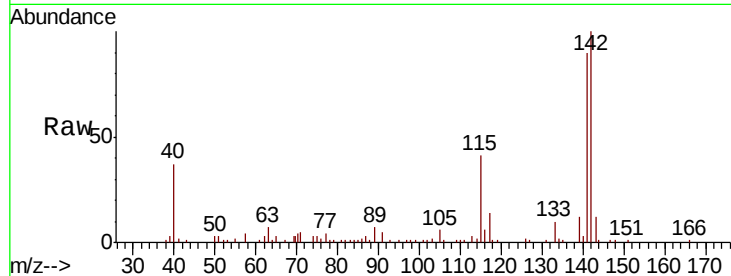
#37
2-Methylnaphthalene
Concen: 2.863 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Instrument :
BNA_F
ClientSampleId :
VNJ-230-218-211-216-242

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.3	108.5
115	40.6	30.6	45.8

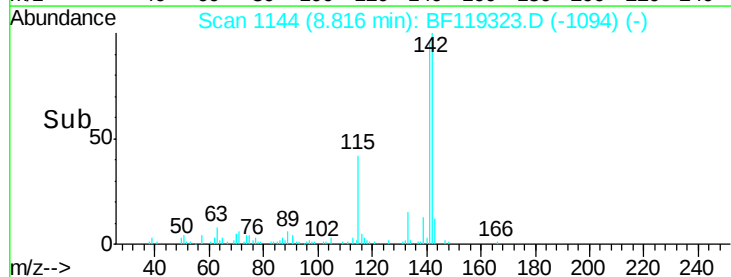
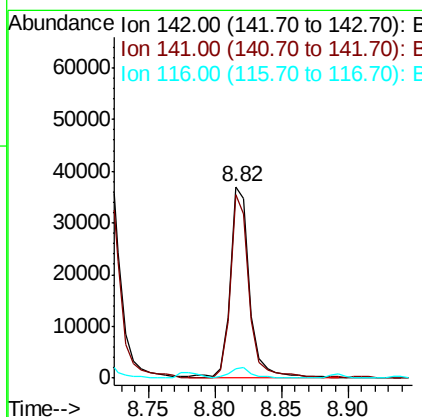
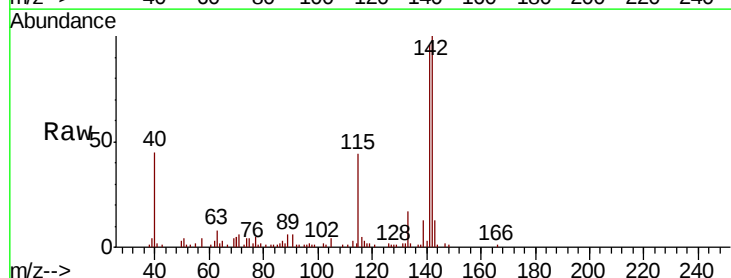
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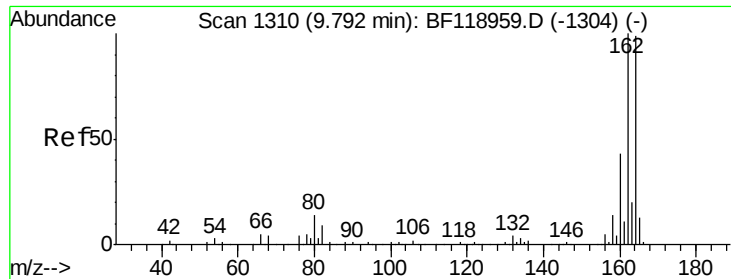
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#38
1-Methylnaphthalene
Concen: 2.604 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.9	75.8	113.6
116	5.1	3.1	4.7#





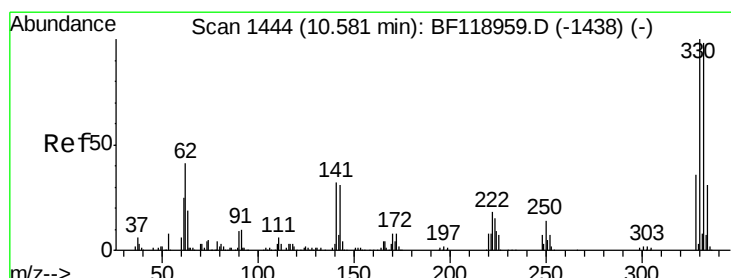
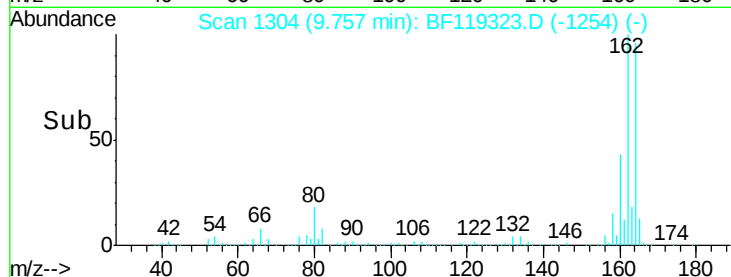
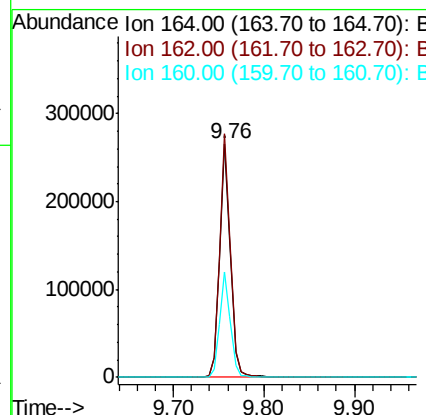
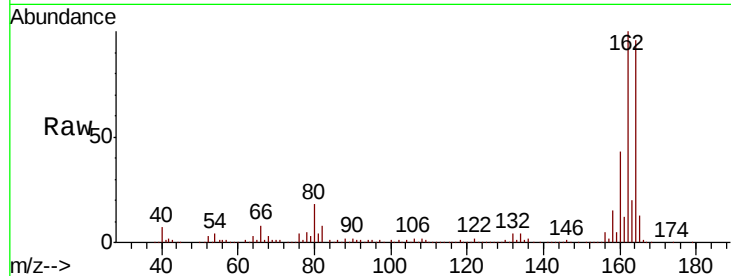
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Instrument :
BNA_F
ClientSampleId :
VNJ-230-218-211-216-242

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.2	81.8	122.8	
160	45.0	36.0	54.0	

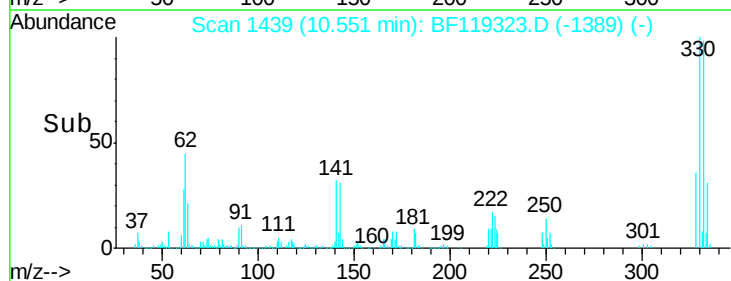
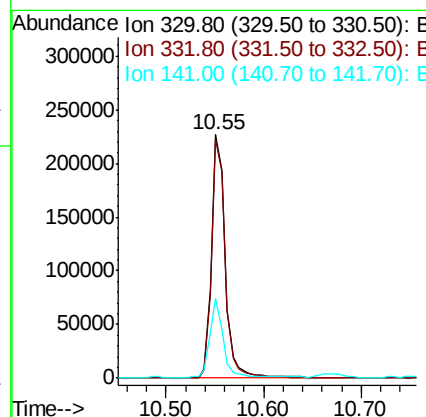
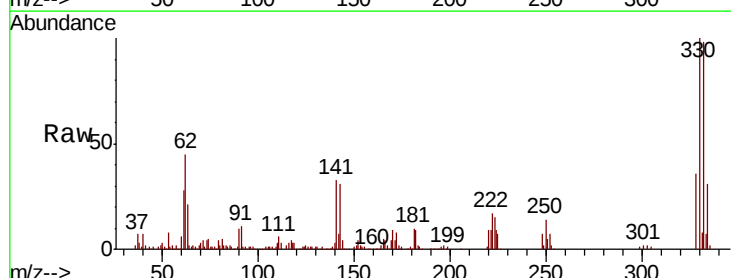
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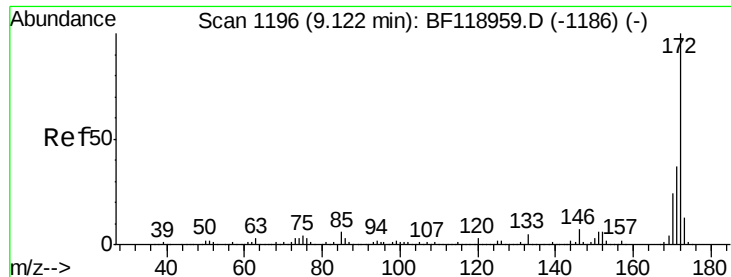
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#42
2,4,6-Tribromophenol
Concen: 77.063 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.6	76.0	114.0	
141	30.9	22.9	34.3	





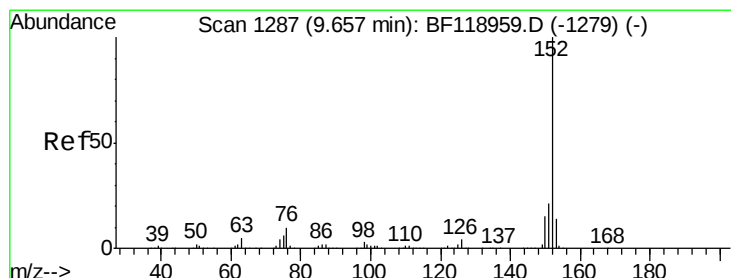
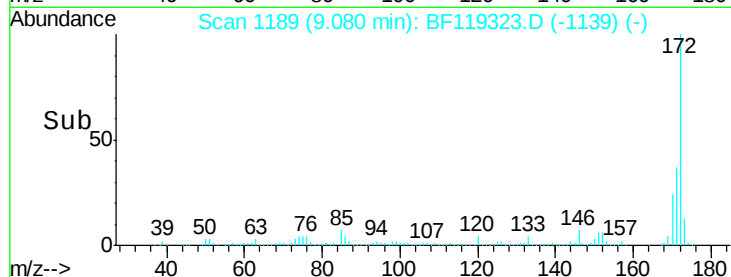
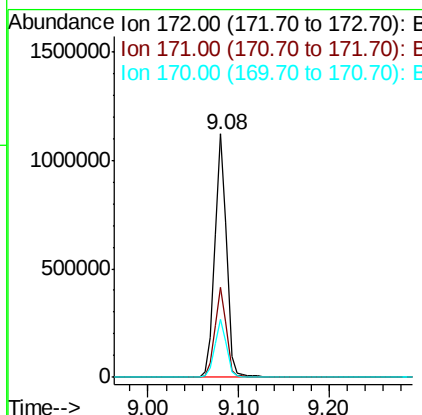
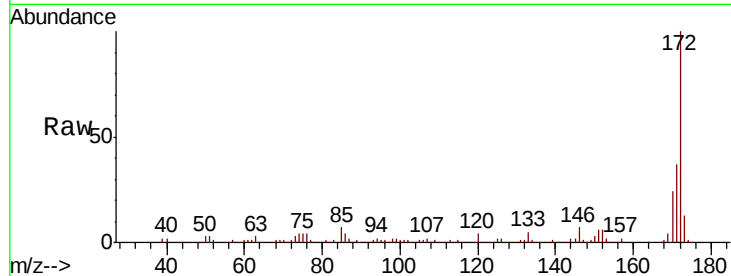
#45
2-Fluorobiphenyl
Concen: 67.911 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Instrument :
BNA_F
ClientSampleId :
VNJ-230-218-211-216-242

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.6	45.8
170	24.1	20.2	30.2

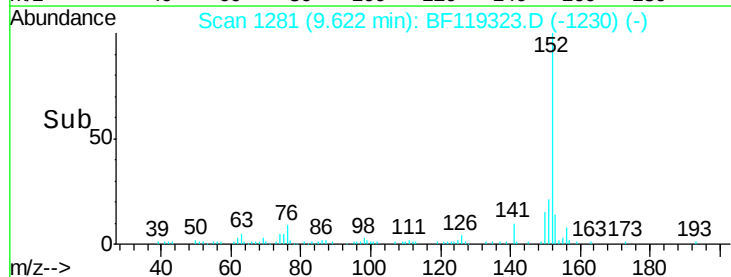
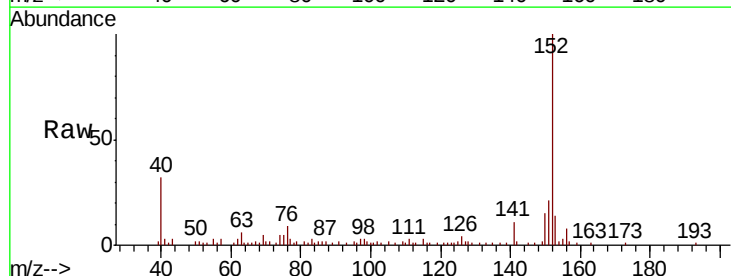
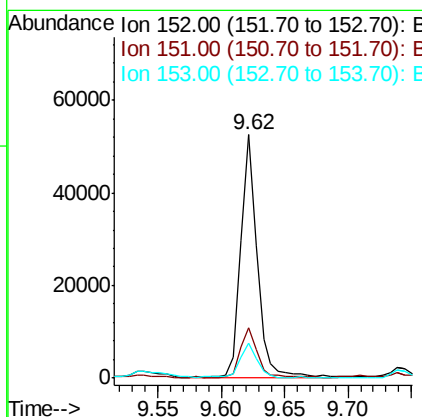
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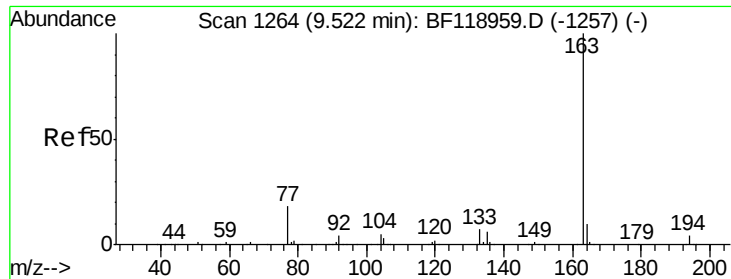
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#49
Acenaphthylene
Concen: 2.290 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.00 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.9	25.3
153	14.3	11.0	16.6





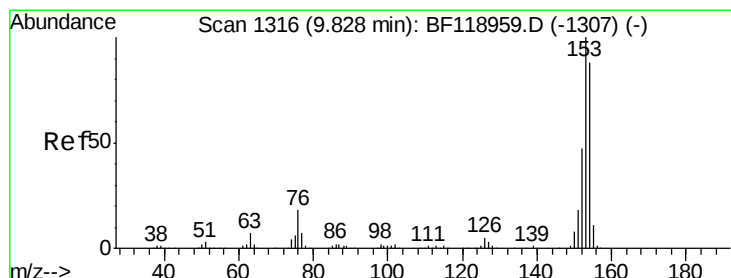
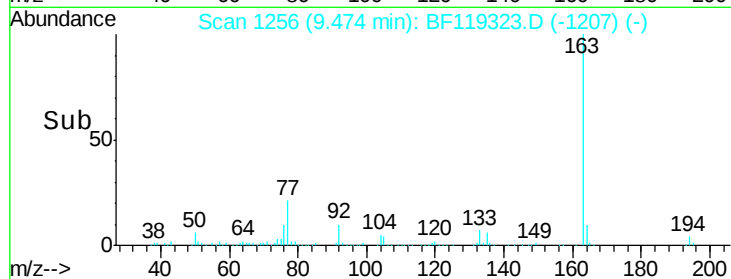
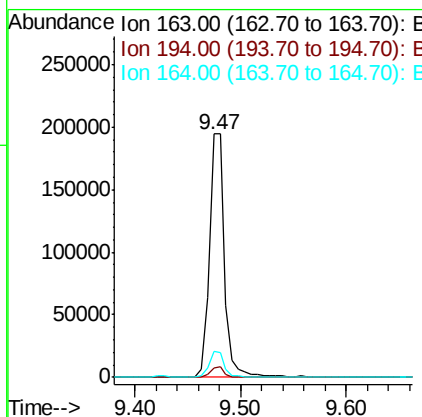
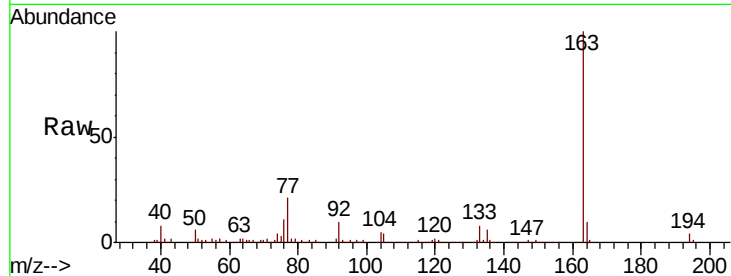
#50
Dimethylphthalate
Concen: 11.600 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Instrument :
BNA_F
ClientSampleId :
VNJ-230-218-211-216-242

Tot Ion	Ratio	Resp	Lower	Upper
163	100	196682		
194	3.9		3.5	5.3
164	10.5		8.4	12.6

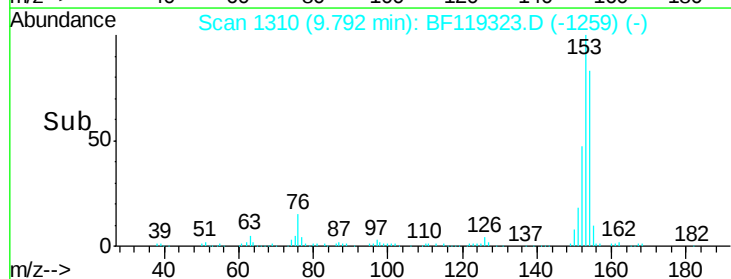
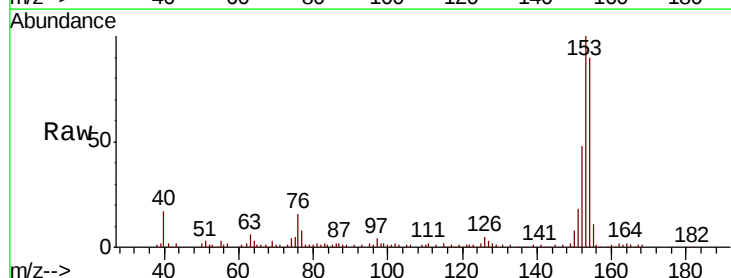
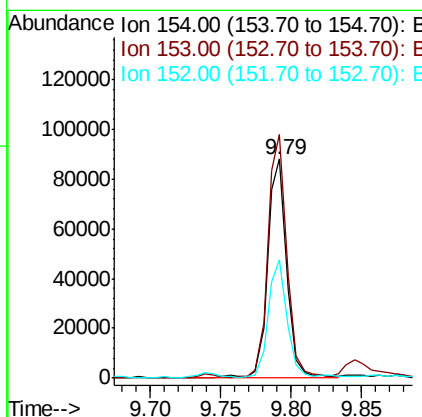
Manual Integrations
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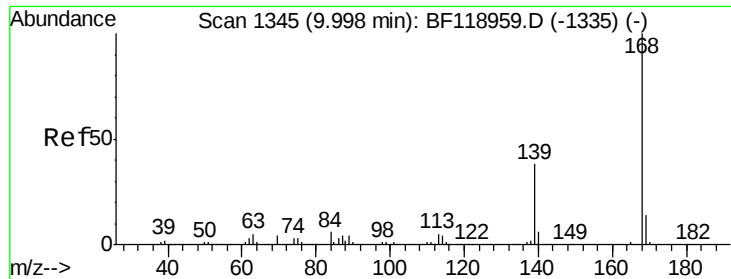
mohammad
3/11/2020 4:58:11 PM



#52
Acenaphthene
Concen: 6.699 ng
RT: 9.79 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	84250		
153	111.1		90.3	135.5
152	53.8		43.8	65.8





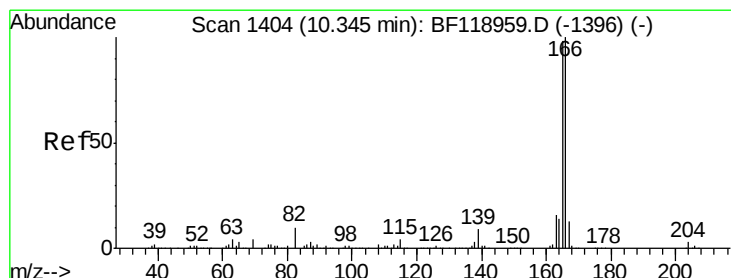
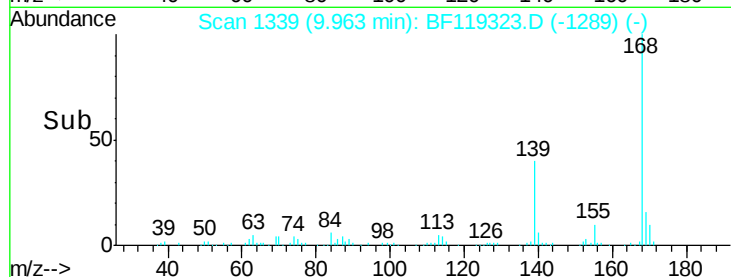
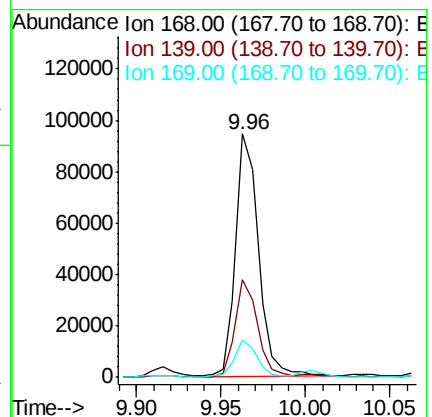
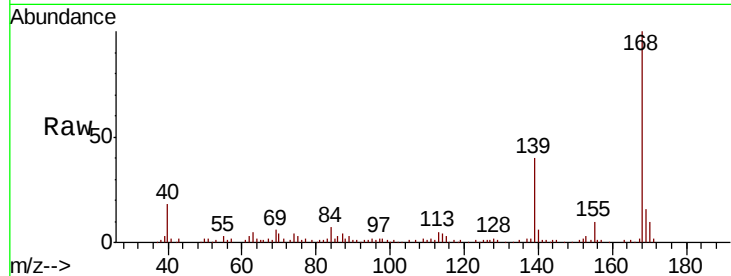
#55
Dibenzenofuran
Concen: 4.758 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Instrument :
BNA_F
ClientSampleId :
VNJ-230-218-211-216-242

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.3	34.0	51.0
169	15.6	11.0	16.4

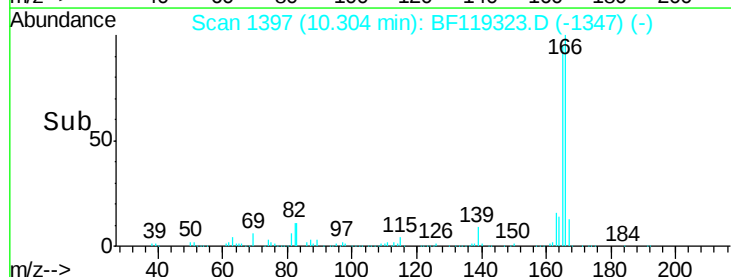
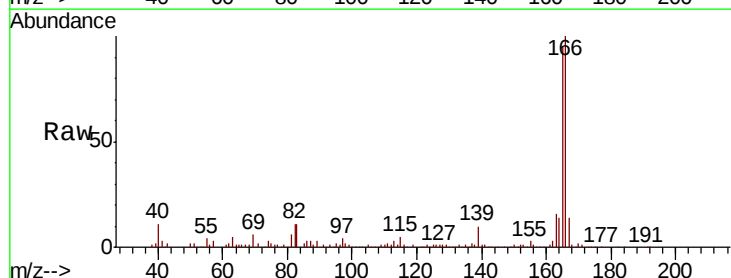
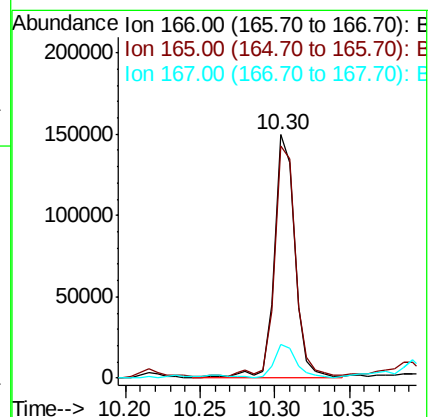
Manual Integrations
APPROVED

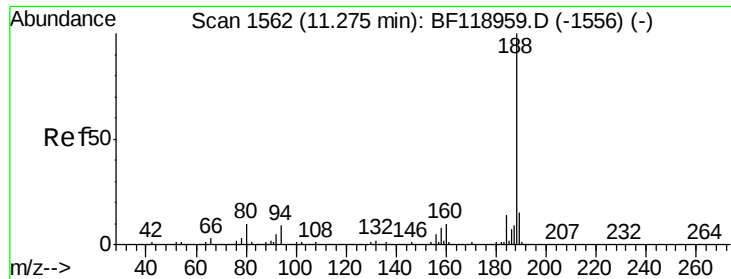
mohammad
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#58
Fluorene
Concen: 9.730 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.1	78.5	117.7
167	13.6	11.0	16.4





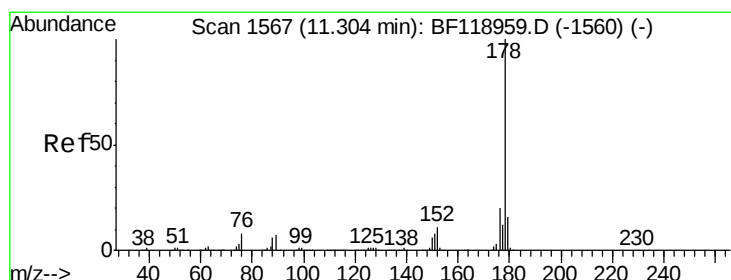
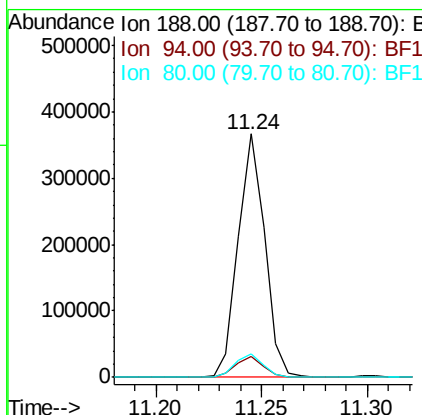
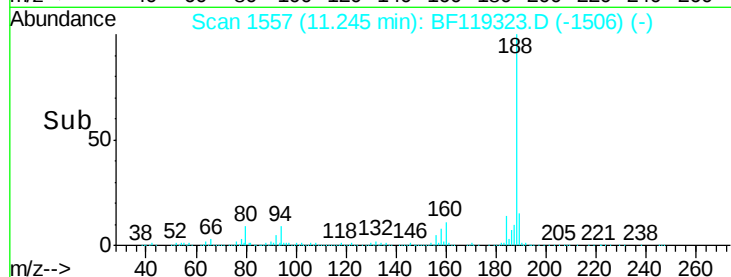
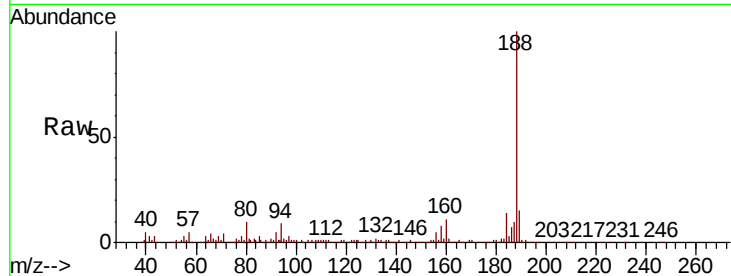
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Instrument :
BNA_F
ClientSampleId :
VNJ-230-218-211-216-242

Tot Ion:	188	Resp:	319631
Ion Ratio	Lower	Upper	
188	100		
94	8.8	7.1	10.7
80	9.6	7.8	11.8

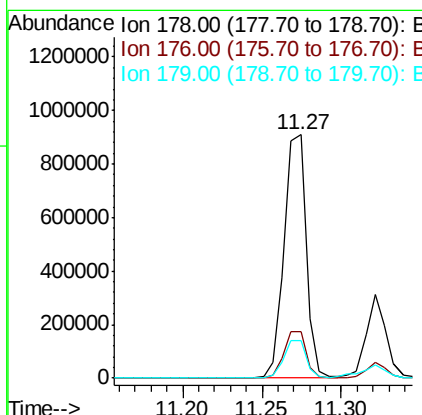
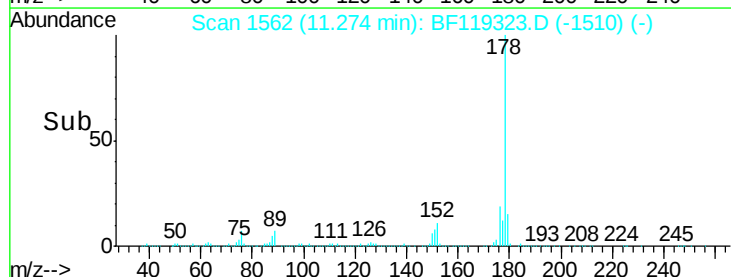
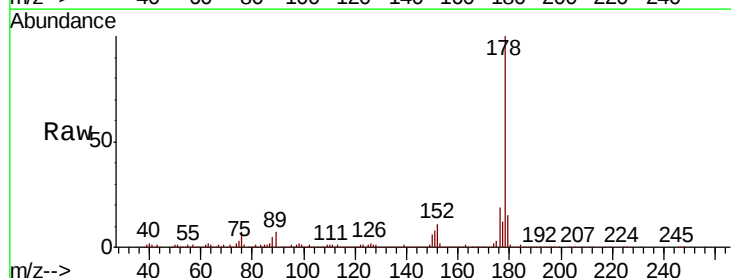
Manual Integrations
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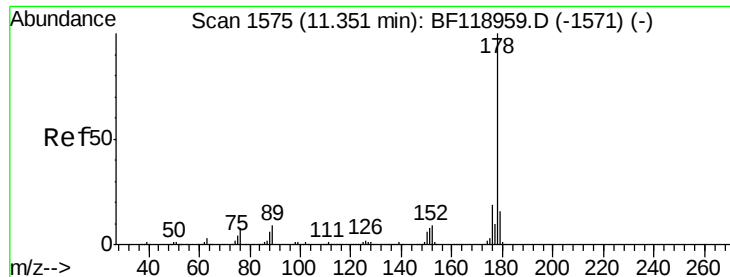
mohammad
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#71
Phenanthrene
Concen: 50.518 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.01 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Tgt Ion:	178	Resp:	880584
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.5	24.7
179	15.3	13.0	19.6





#72

Anthracene

Concen: 15.220 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF119323.D

Acq: 10 Mar 2020 18:21

Instrument :

BNA_F

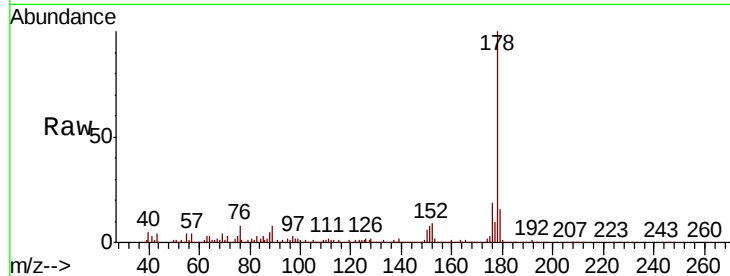
ClientSampleId :

VNJ-230-218-211-216-242

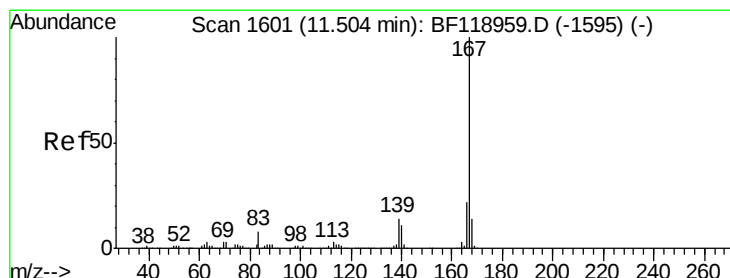
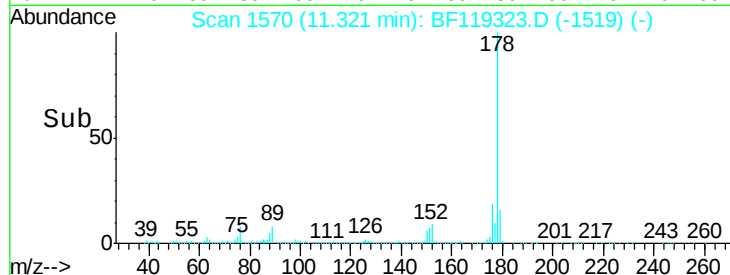
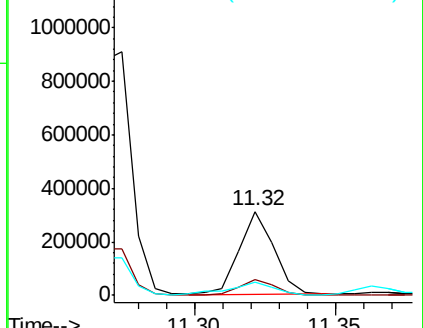
Tot Ion:	178	Resp:	265087
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.0	24.0
179	16.3	13.1	19.7

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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



#73

Carbazole

Concen: 6.191 ng

RT: 11.49 min Scan# 1598

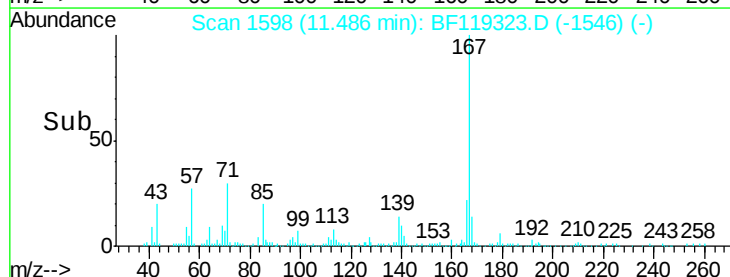
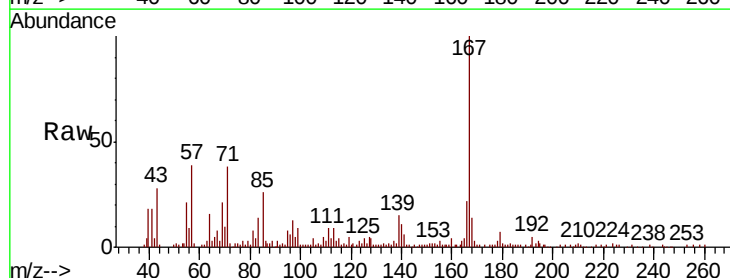
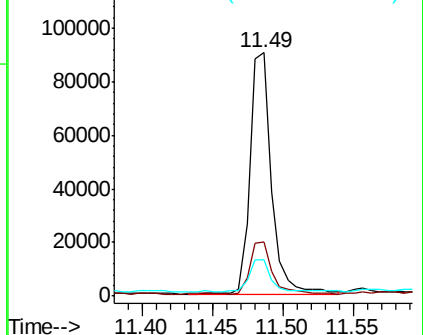
Delta R.T. 0.01 min

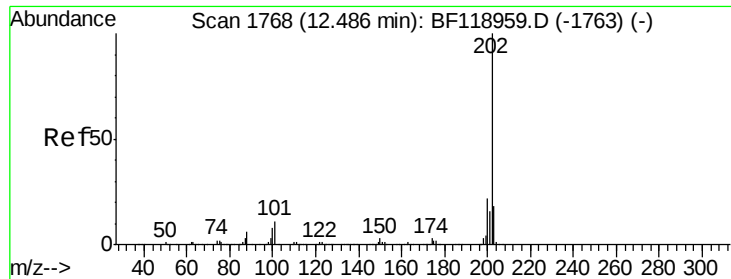
Lab File: BF119323.D

Acq: 10 Mar 2020 18:21

Tgt Ion:	167	Resp:	96066
Ion Ratio	Lower	Upper	
167	100		
166	22.1	18.2	27.4
139	14.8	11.7	17.5

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 46.876 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF119323.D

Acq: 10 Mar 2020 18:21

Instrument :

BNA_F

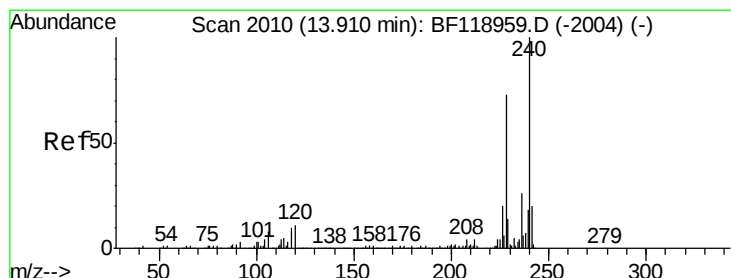
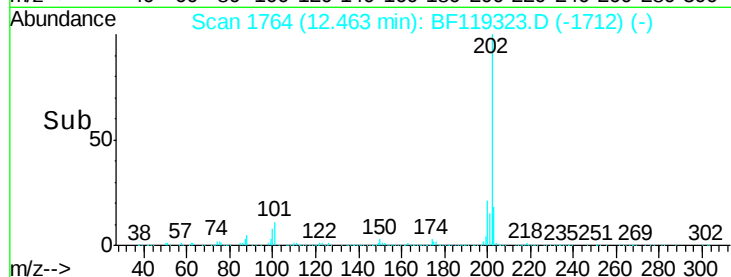
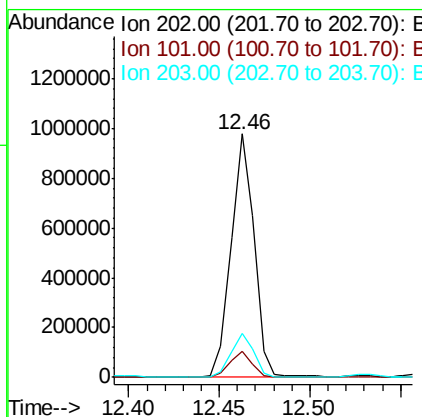
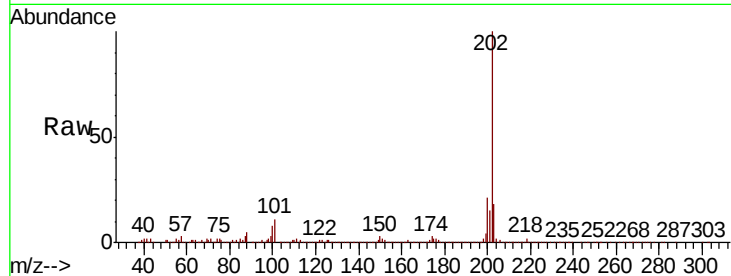
ClientSampleId :

VNJ-230-218-211-216-242

Tot Ion	Ratio	Resp	Lower	Upper
202	100	867329		
101	10.7	0.0	30.3	
203	18.0	0.0	38.4	

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#76

Chrysene-d12

Concen: 20.000 ng

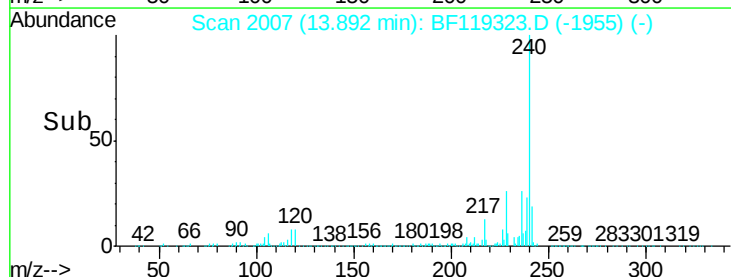
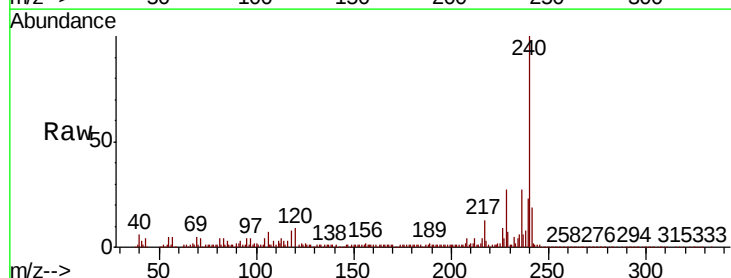
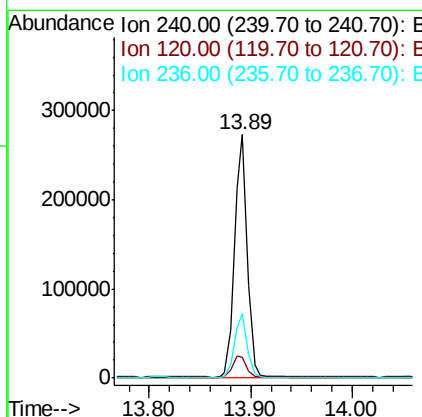
RT: 13.89 min Scan# 2007

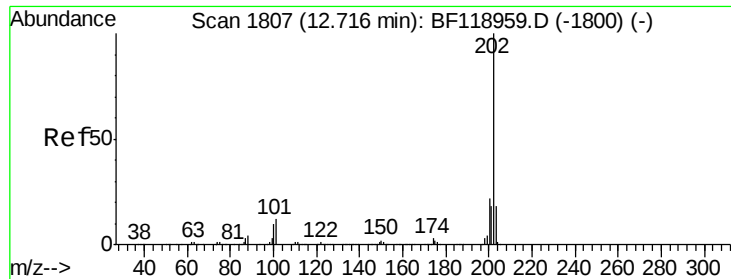
Delta R.T. 0.01 min

Lab File: BF119323.D

Acq: 10 Mar 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	238635		
120	8.8	8.4	12.6	
236	26.6	21.0	31.4	





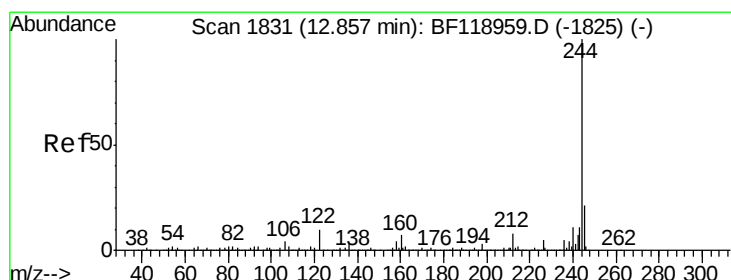
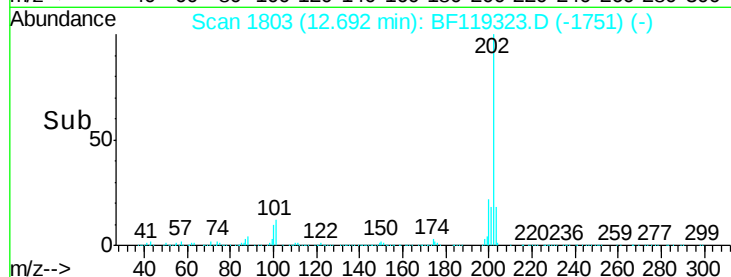
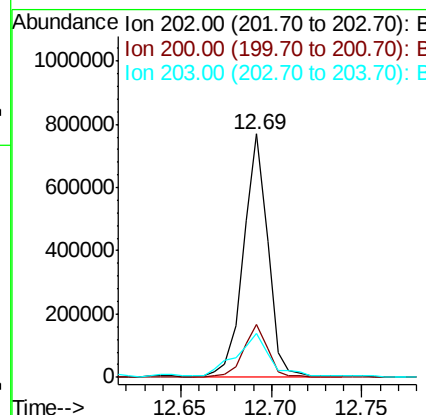
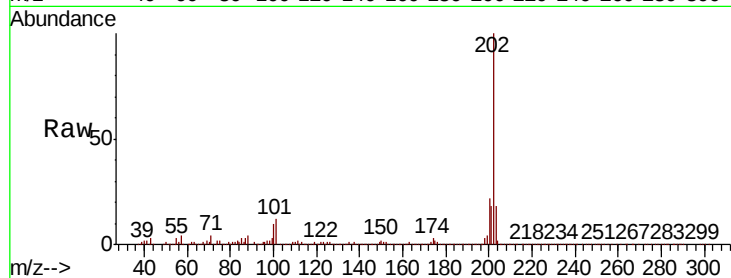
#78
Pvrene
Concen: 37.321 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.01 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Instrument :
BNA_F
ClientSampleId :
VNJ-230-218-211-216-242

Tot Ion:	202	Resp:	715157
Ion Ratio	Lower	Upper	
202	100		
200	21.6	18.0	27.0
203	17.8	14.6	22.0

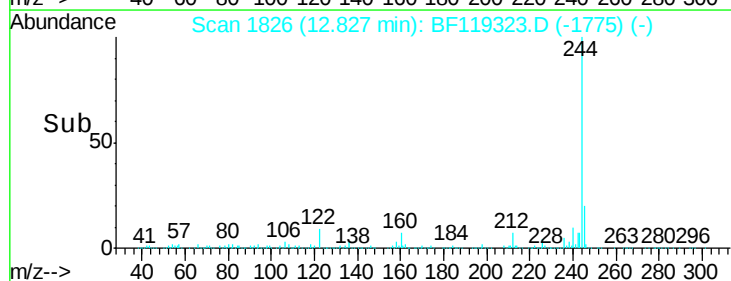
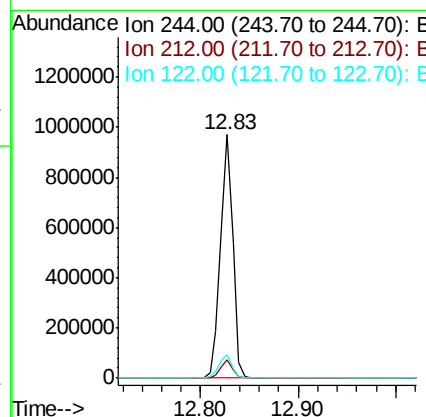
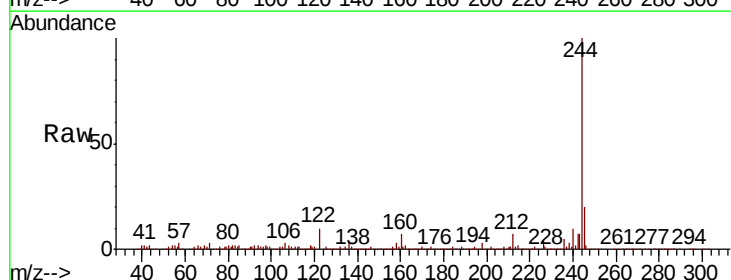
Manual Integrations
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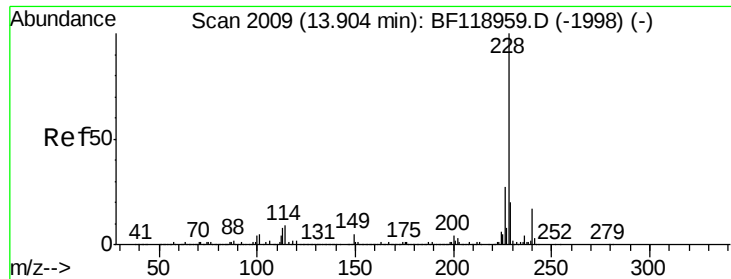
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#79
Terphenyl-d14
Concen: 62.297 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Tgt Ion:	244	Resp:	863479
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.6	10.0
122	9.5	8.2	12.2





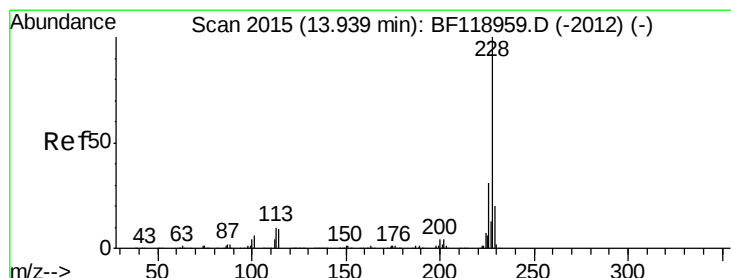
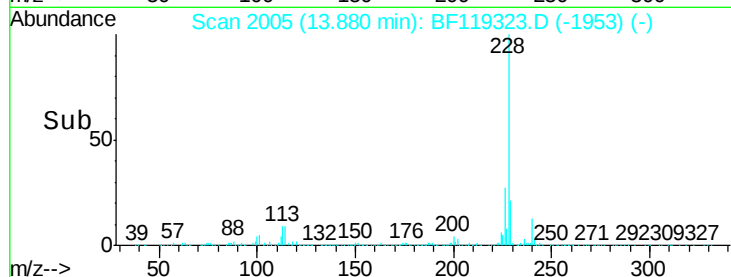
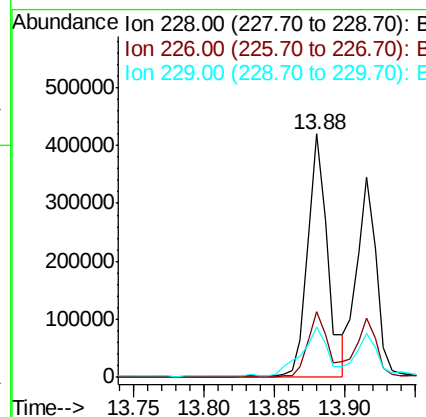
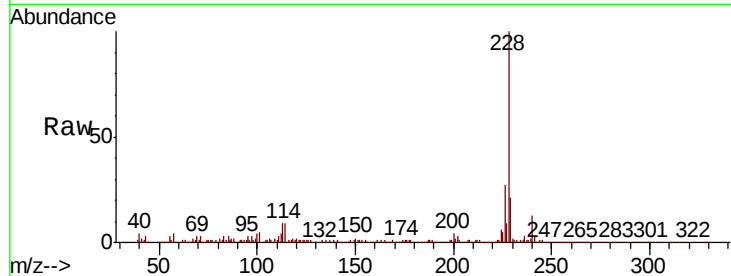
#81
Benzo(a)anthracene
Concen: 25.397 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Instrument :
BNA_F
ClientSampleId :
VNJ-230-218-211-216-242

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	20.9	16.6	24.8

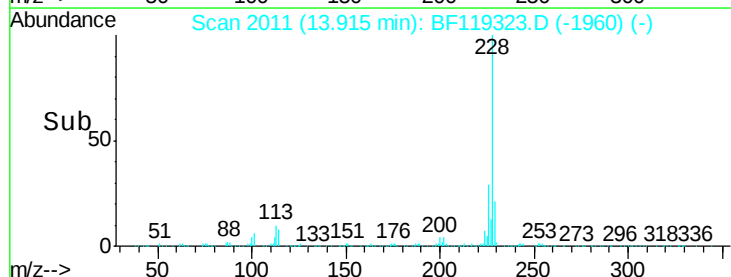
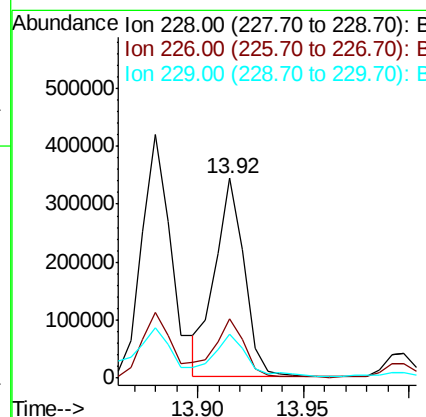
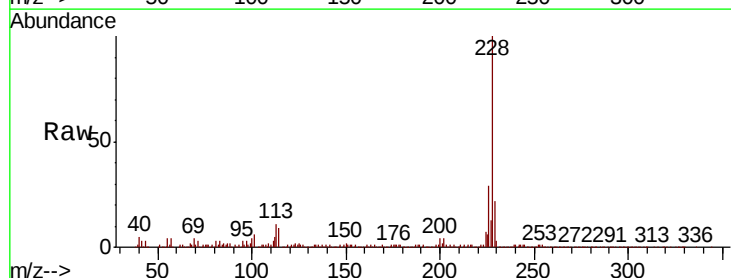
Manual Integrations
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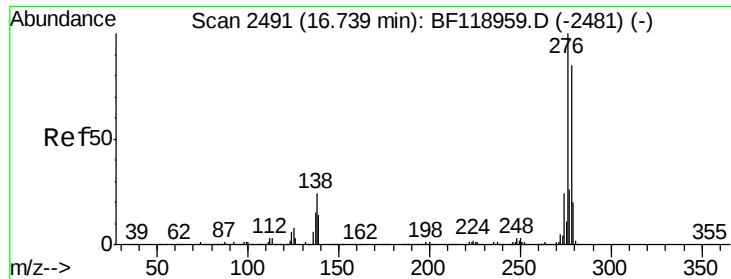
mohammad
3/11/2020 4:58:11 PM



#83
Chrysene
Concen: 20.344 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.00 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.1	37.7
229	21.9	16.3	24.5





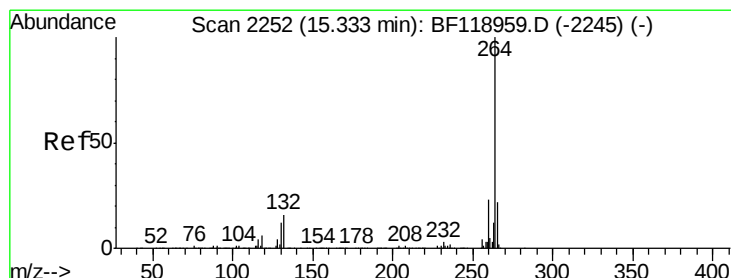
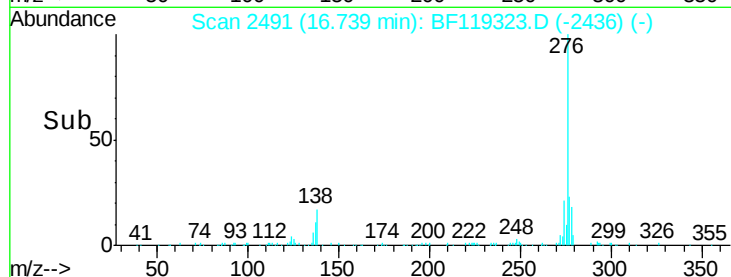
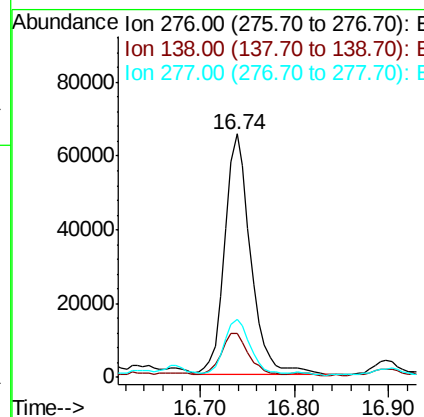
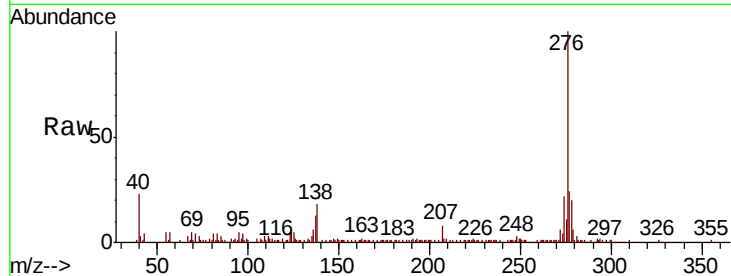
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.117 ng
 RT: 16.74 min Scan# 2491
 Delta R.T. 0.02 min
 Lab File: BF119323.D
 Acq: 10 Mar 2020 18:21

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-230-218-211-216-242

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	17.4	26.0
277	22.4	20.3	30.5

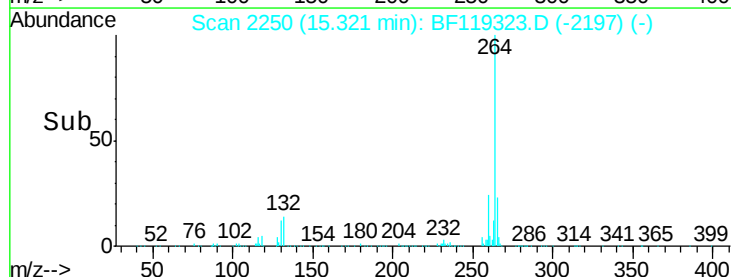
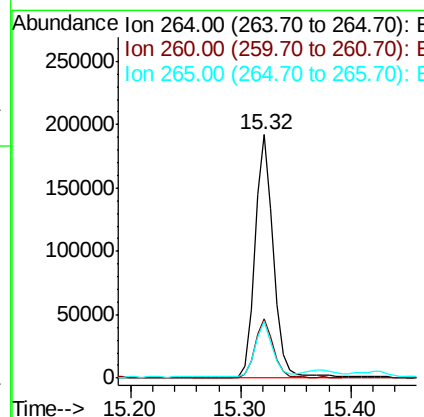
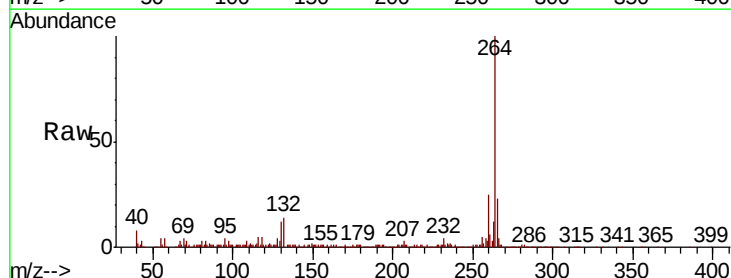
Manual Integrations
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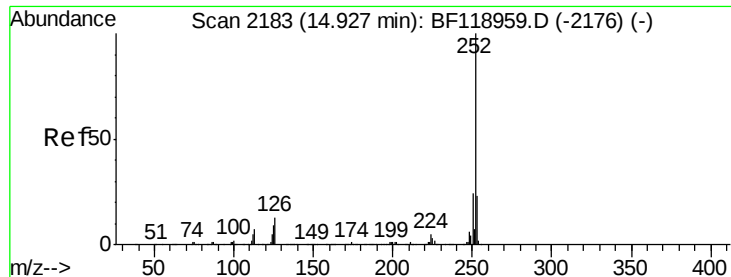
mohammad
 3/11/2020 4:58:11 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.01 min
 Lab File: BF119323.D
 Acq: 10 Mar 2020 18:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	23.0	17.7	26.5





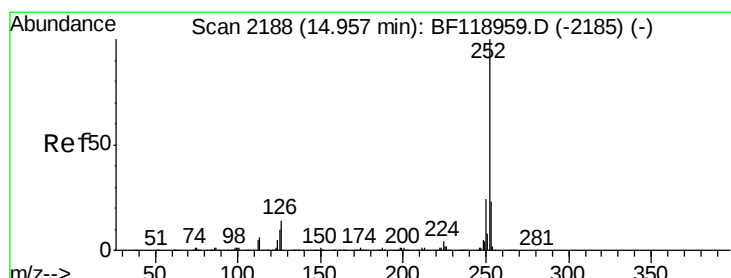
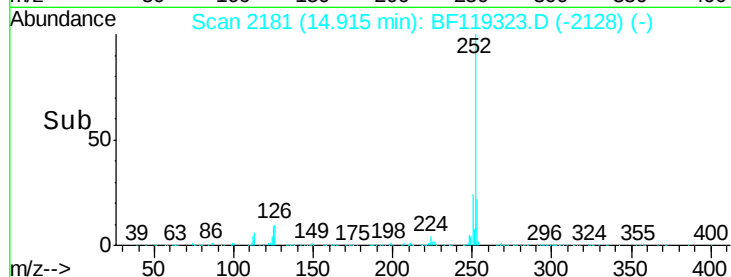
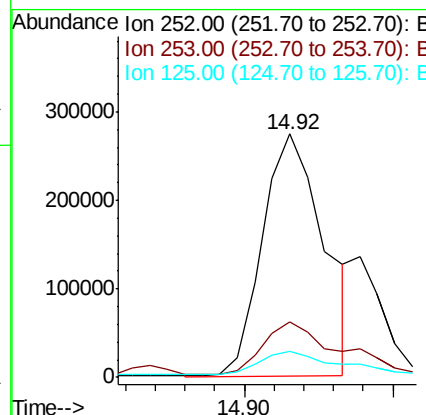
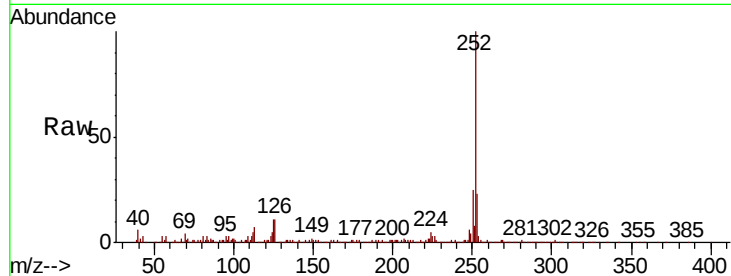
#88
Benzo(b)fluoranthene
Concen: 26.902 ng m
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Instrument :
BNA_F
ClientSampleId :
VNJ-230-218-211-216-242

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	10.6	7.4	11.0

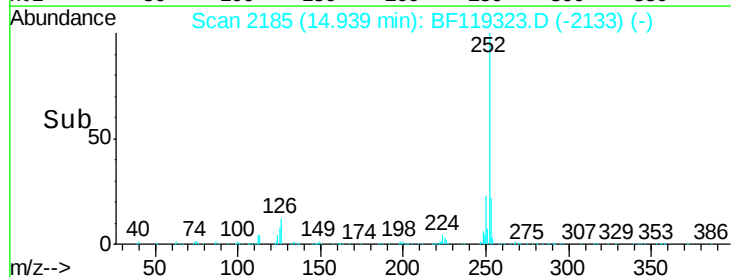
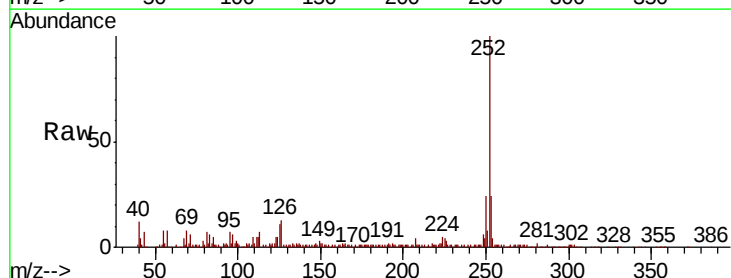
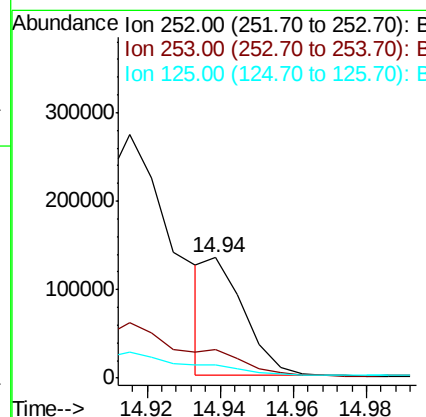
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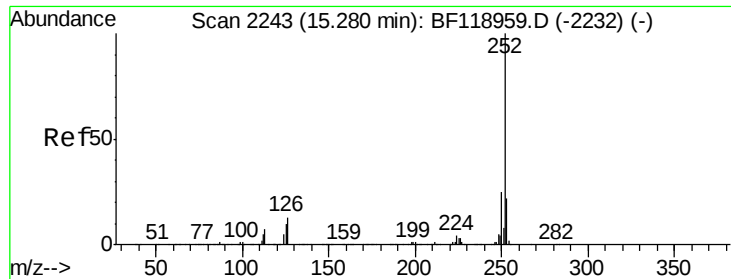
mohammad
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#89
Benzo(k)fluoranthene
Concen: 7.104 ng m
RT: 14.94 min Scan# 2185
Delta R.T. 0.01 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	11.0	7.5	11.3





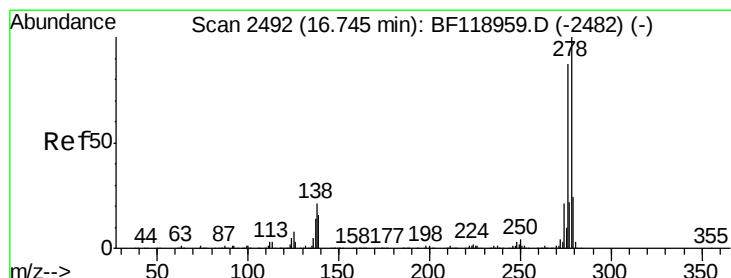
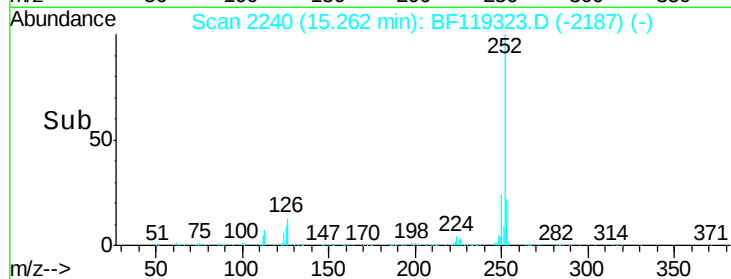
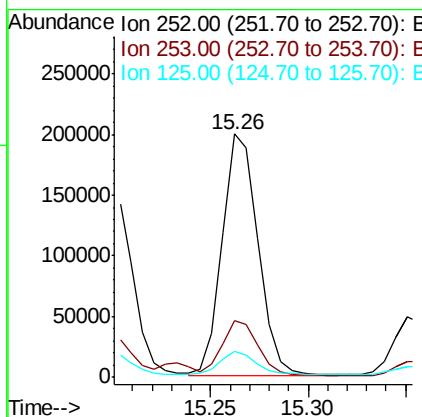
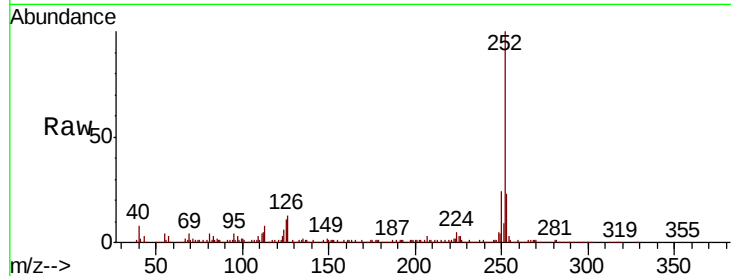
#90
Benzo(a)pyrene
Concen: 19.286 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Instrument :
BNA_F
ClientSampleId :
VNJ-230-218-211-216-242

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	10.6	8.6	12.8

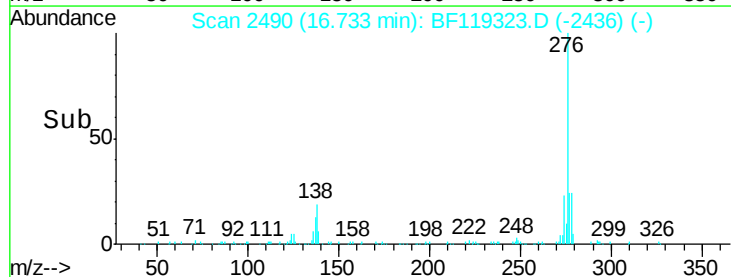
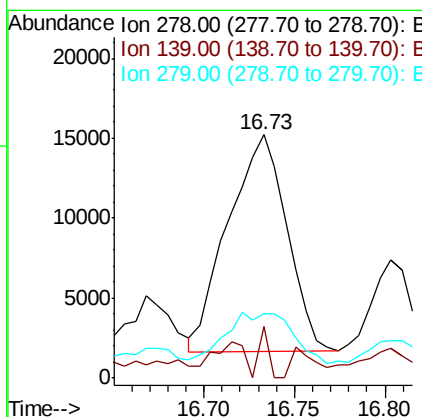
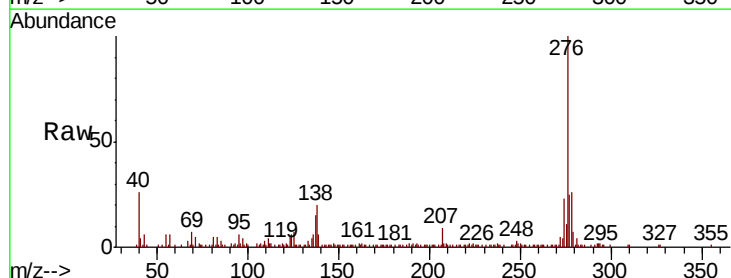
Manual Integrations
APPROVED

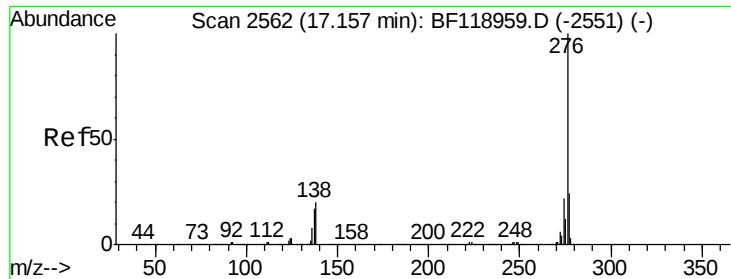
mohammad
3/11/2020 4:58:11 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.625 ng
RT: 16.73 min Scan# 2490
Delta R.T. 0.02 min
Lab File: BF119323.D
Acq: 10 Mar 2020 18:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.4	11.0	16.4#
279	26.4	18.6	28.0





#92
 Benzo(a,h,i)perylene
 Concen: 9.418 ng
 RT: 17.17 min Scan# 2564
 Delta R.T. 0.03 min
 Lab File: BF119323.D
 Acq: 10 Mar 2020 18:21

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-230-218-211-216-242

Tot Ion:	276	Resp:	108085
Ion Ratio	Lower	Upper	
276	100		
277	26.5	18.7	28.1
138	18.9	14.3	21.5

Manual Integrations
 APPROVED

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