

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
 Data File : BF119743.D
 Acq On : 4 Apr 2020 4:26
 Operator : MA/SJ
 Sample : L2129-31
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
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mohammad
 4/6/2020 1:39:02 PM

Quant Time: Apr 04 06:41:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	199917	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	731400	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	352843	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	580555	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	357524	20.00	ng	-0.02
87) Perylene-d12	15.43	264	378866	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1867802	148.73	ng	0.01
7) Phenol-d6	6.44	99	2421262	150.93	ng	0.00
23) Nitrobenzene-d5	7.37	82	1513640	112.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	570624	156.76	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2519810	105.80	ng	-0.01
79) Terphenyl-d14	12.93	244	1983652	108.70	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.11	128	77177	2.050	ng	97
49) Acenaphthylene	9.70	152	103247	2.921	ng	99
50) Dimethylphthalate	9.56	163	298121	11.895	ng	99
52) Acenaphthene	9.87	154	44442	2.017	ng	96
55) Dibenzofuran	10.05	168	80530	2.549	ng	96
58) Fluorene	10.39	166	62899	2.692	ng	99
71) Phenanthrene	11.36	178	1414305	46.982	ng	98
72) Anthracene	11.41	178	285409	9.329	ng	98
73) Carbazole	11.56	167	133195	4.398	ng	97
75) Fluoranthene	12.55	202	1721322	52.835	ng	100
78) Pyrene	12.78	202	1515656	51.655	ng	98
81) Benzo(a)anthracene	13.97	228	831576	35.768	ng	98
83) Chrysene	14.00	228	824930	34.380	ng	98
86) Indeno(1,2,3-cd)pyrene	16.87	276	311638	13.791	ng	95
88) Benzo(b)fluoranthene	15.01	252	903514m	35.700	ng	
89) Benzo(k)fluoranthene	15.03	252	300902m	12.486	ng	
90) Benzo(a)pyrene	15.37	252	611397	26.583	ng	99
91) Dibenzo(a,h)anthracene	16.88	278	96497m	4.797	ng	
92) Benzo(a,h,i)perylene	17.30	276	251204	12.430	ng	# 94

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

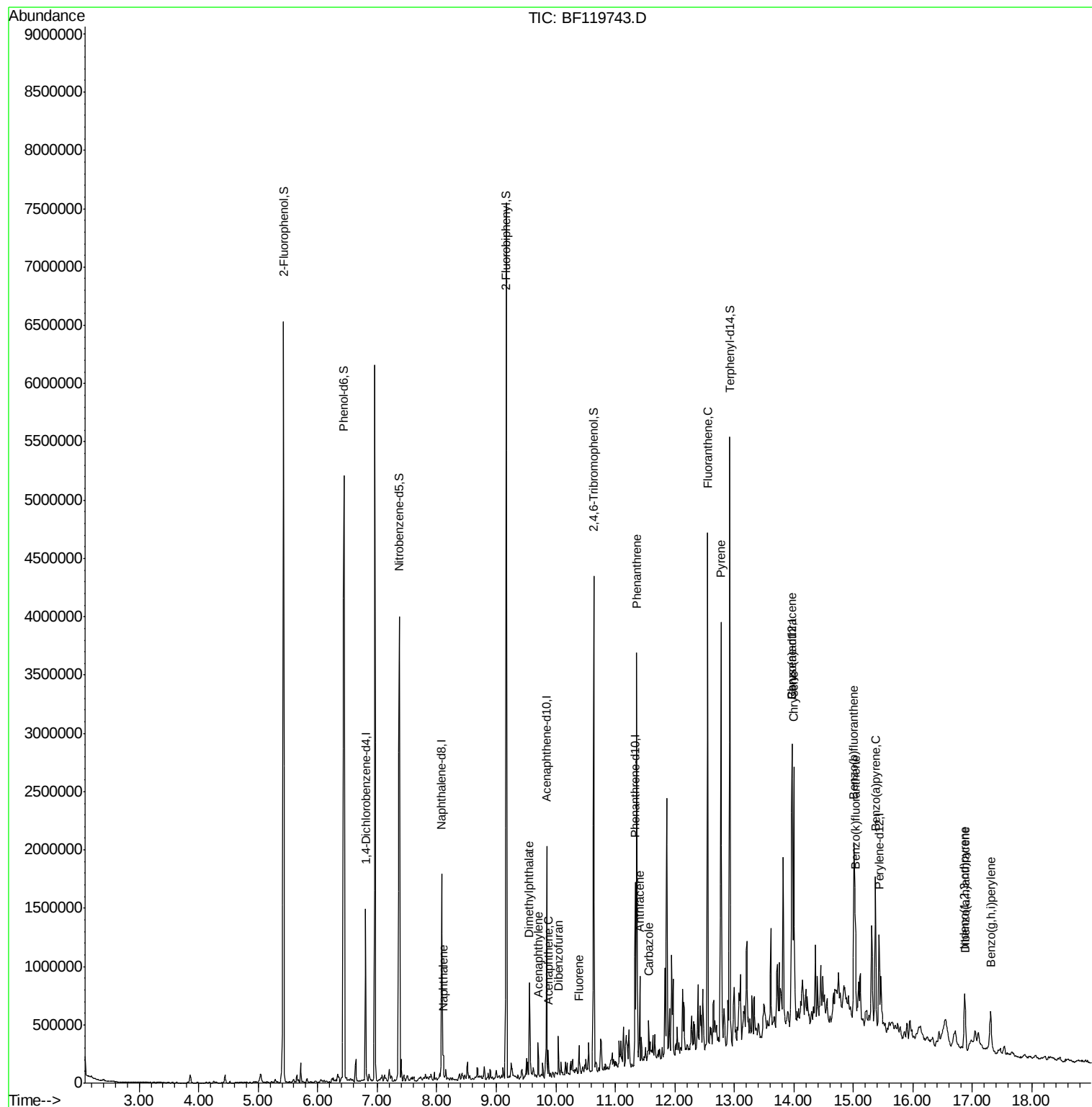
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
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Acq On : 4 Apr 2020 4:26
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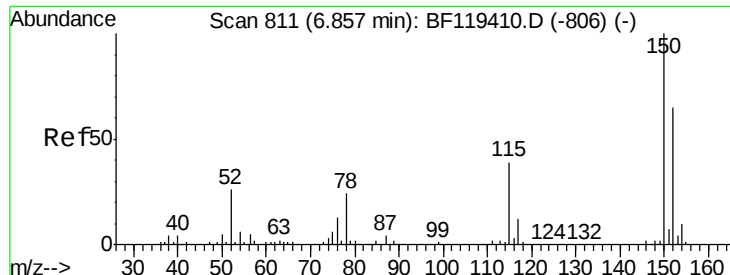
Instrument :
BNA_F
ClientSampled :
TP-5

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#1

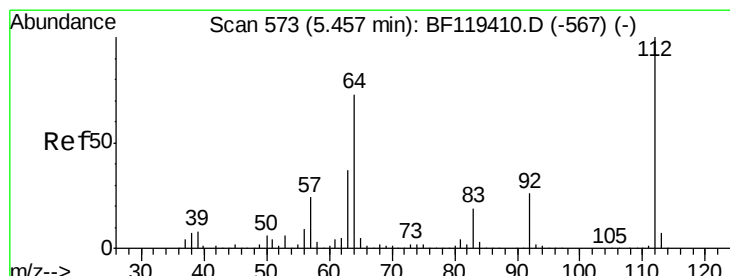
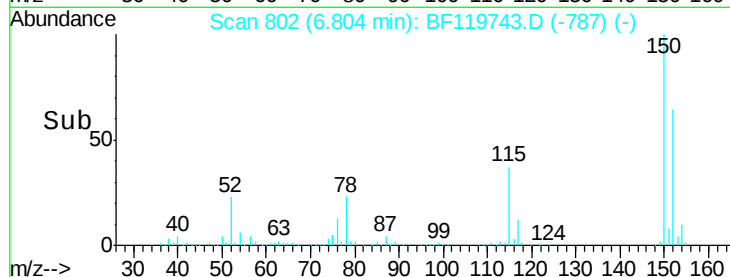
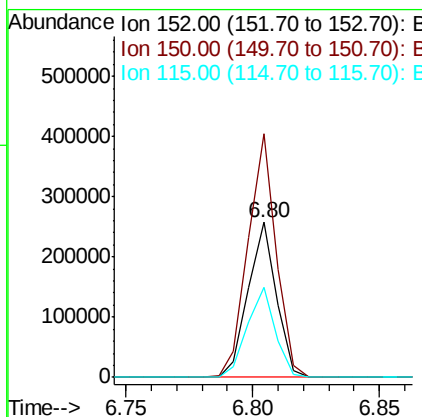
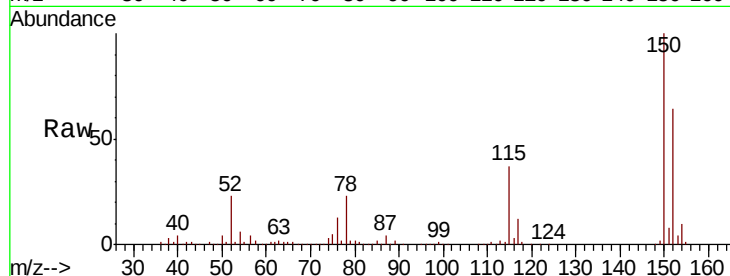
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.5	186.7
115	58.1	49.6	74.4

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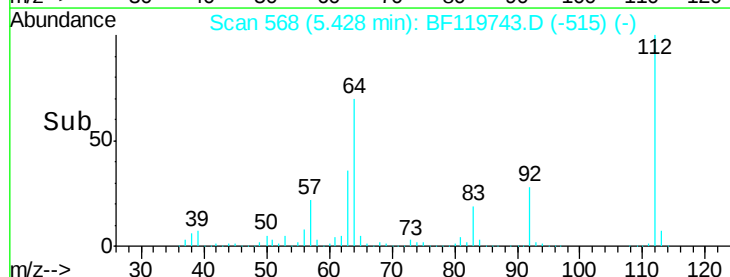
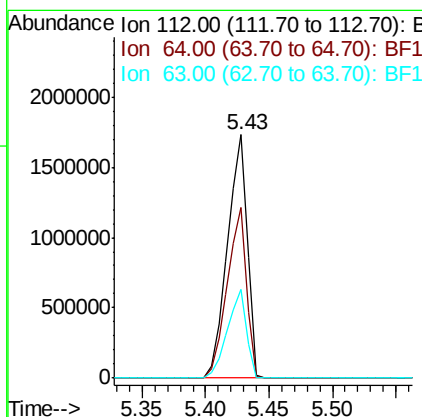
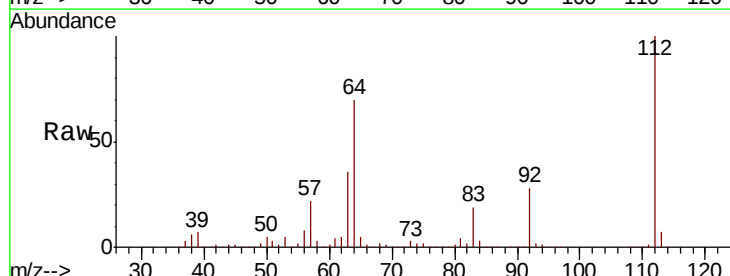
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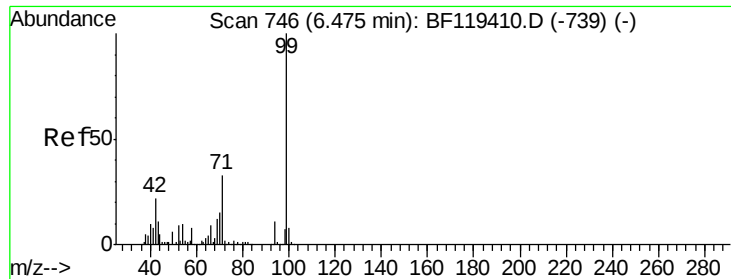


#5

2-Fluorophenol
Concen: 148.730 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	56.7	85.1
63	36.2	29.5	44.3





#7

Phenol-d6

Concen: 150.929 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119743.D

Acq: 4 Apr 2020 4:26

Instrument :

BNA_F

ClientSampleId :

TP-5

Tot Ion: 99 Resp: 2421262

Ion Ratio Lower Upper

99 100

42 19.3 16.6 24.8

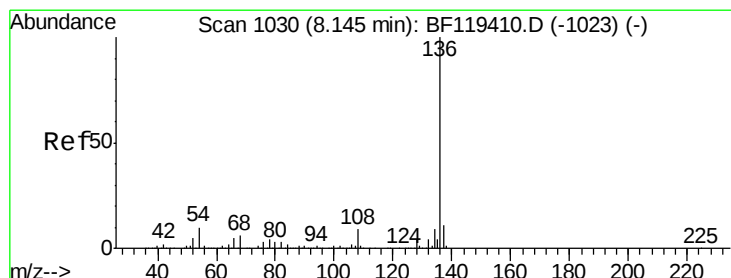
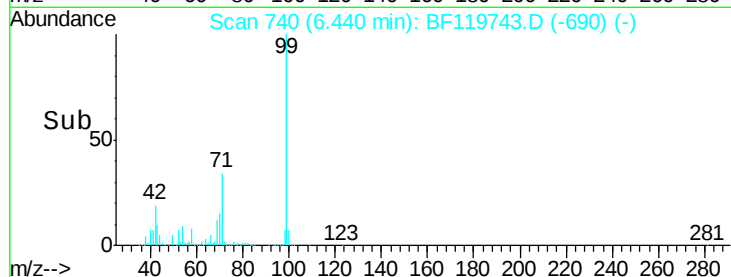
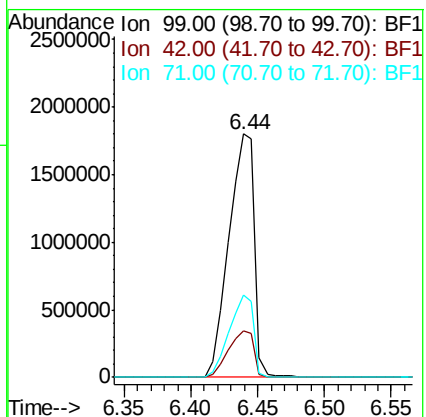
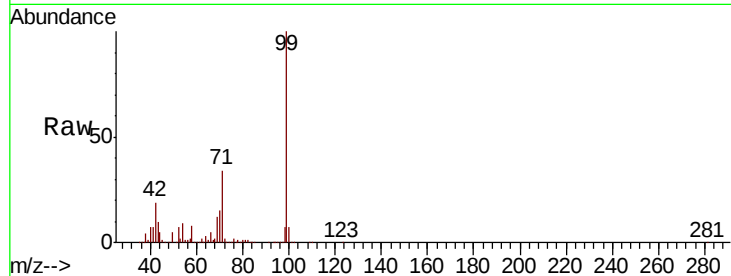
71 33.6 26.4 39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF119743.D

Acq: 4 Apr 2020 4:26

Tgt Ion: 136 Resp: 731400

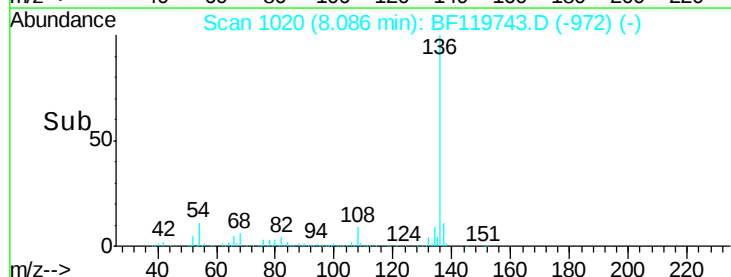
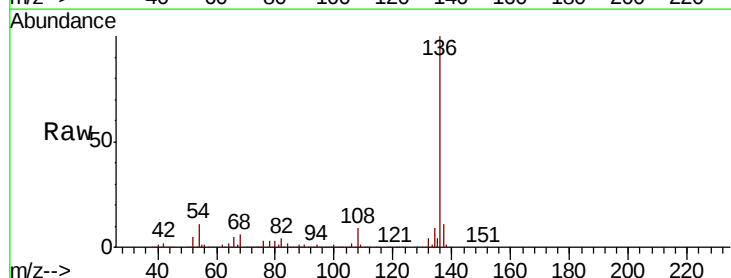
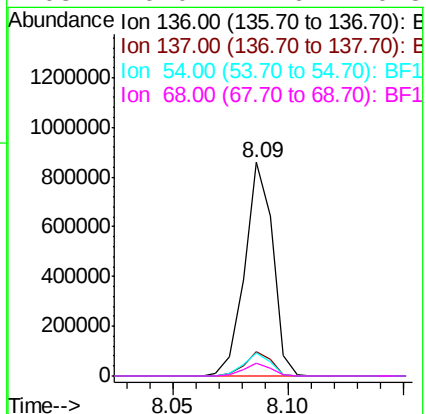
Ion Ratio Lower Upper

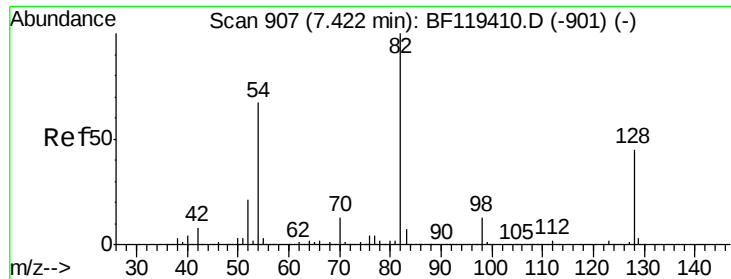
136 100

137 11.4 8.7 13.1

54 10.7 9.1 13.7

68 6.0 4.6 6.8





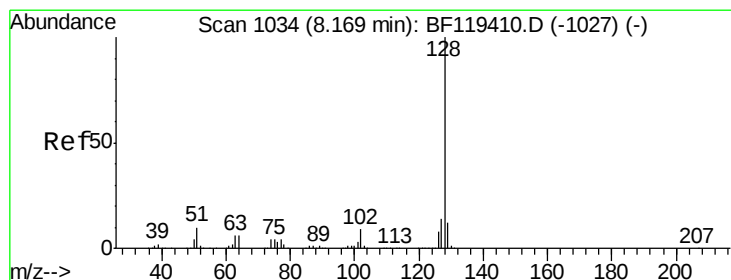
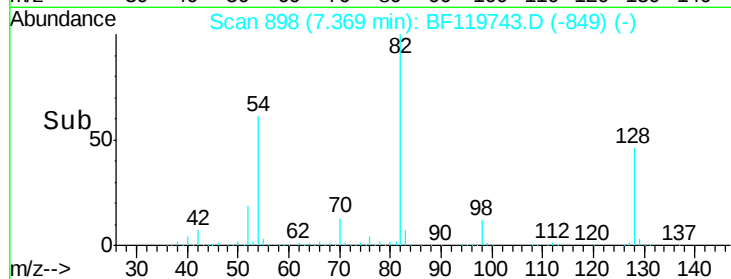
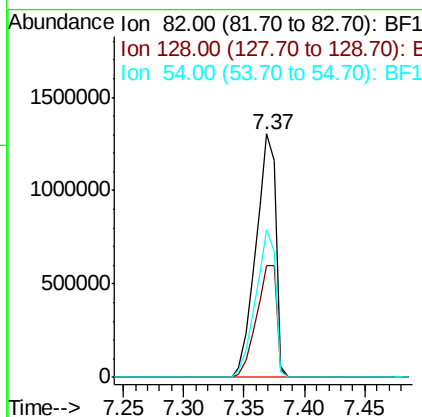
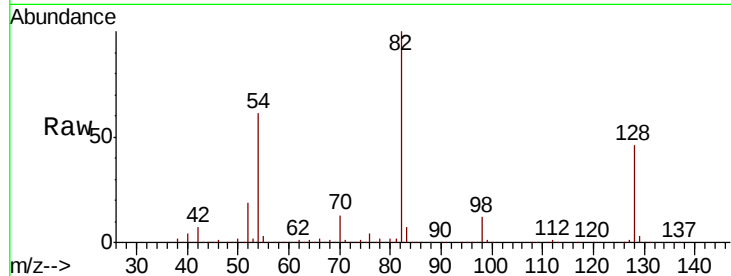
#23
Nitrobenzene-d5
Concen: 112.473 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion: 82 Resp: 1513640
Ion Ratio Lower Upper
82 100
128 45.7 36.3 54.5
54 60.6 50.6 75.8

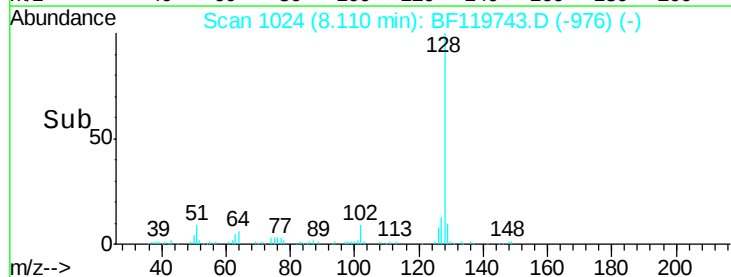
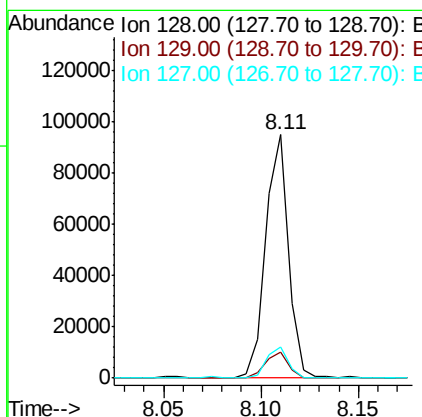
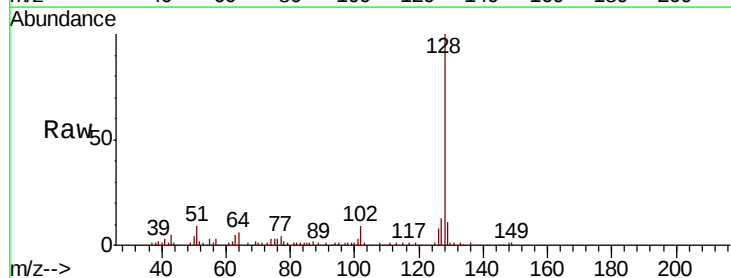
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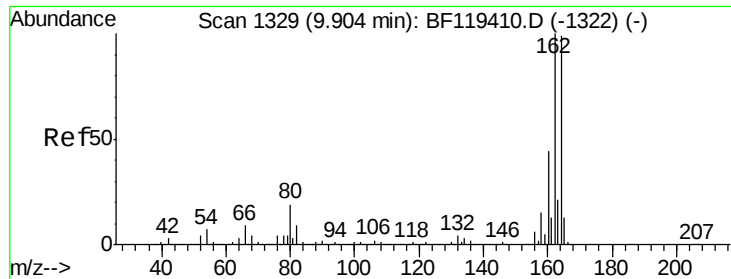
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#31
Naphthalene
Concen: 2.050 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Tgt Ion:128 Resp: 77177
Ion Ratio Lower Upper
128 100
129 10.8 9.5 14.3
127 12.6 11.3 16.9





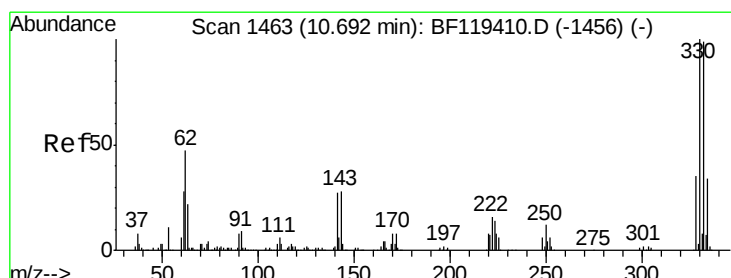
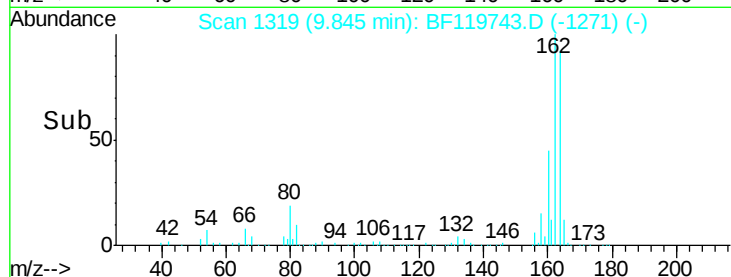
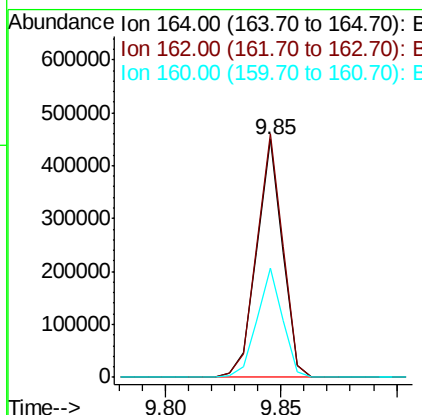
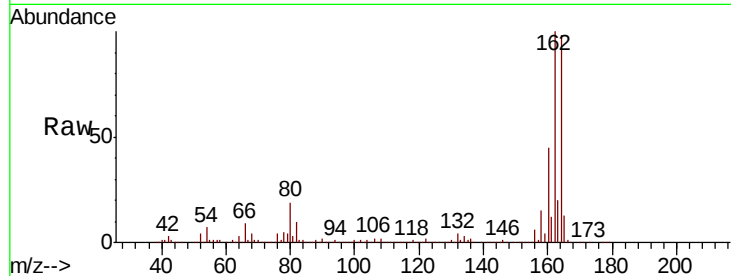
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	80.6	121.0	
160	45.6	35.7	53.5	

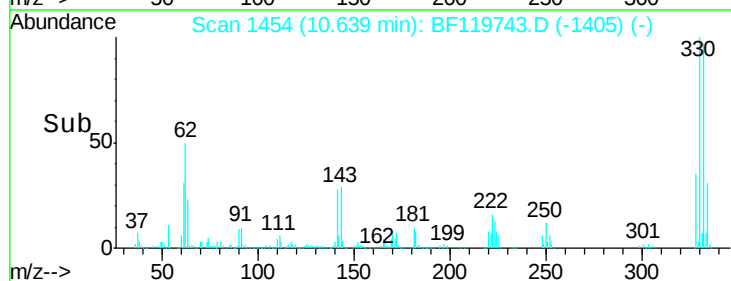
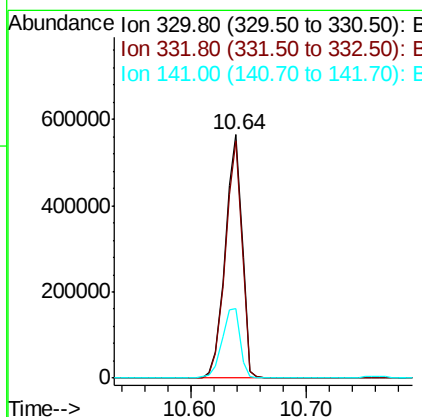
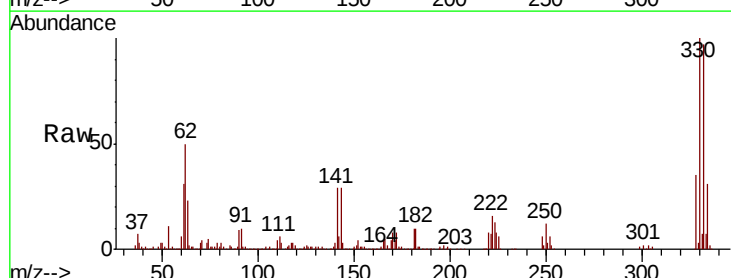
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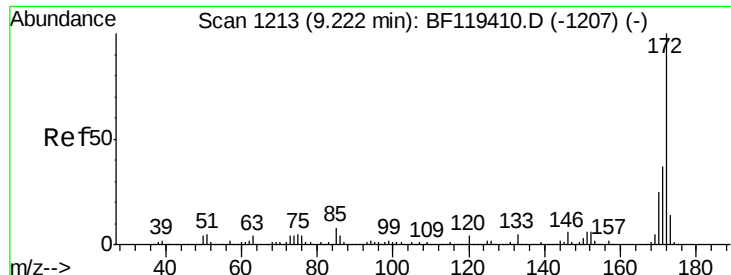
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#42
2,4,6-Tribromophenol
Concen: 156.758 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.8	75.7	113.5	
141	30.9	25.4	38.0	





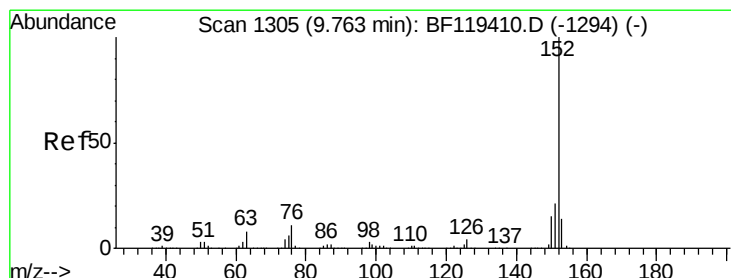
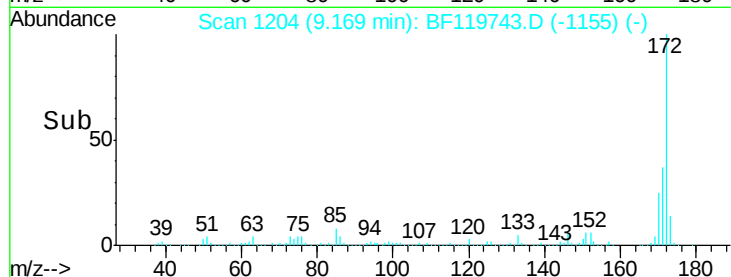
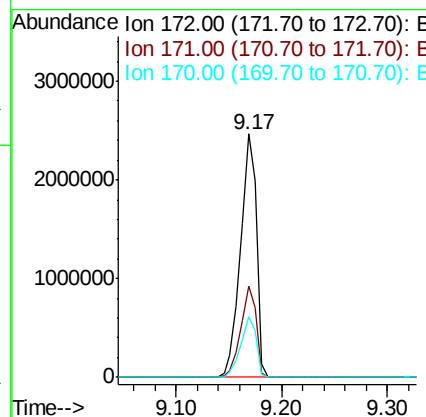
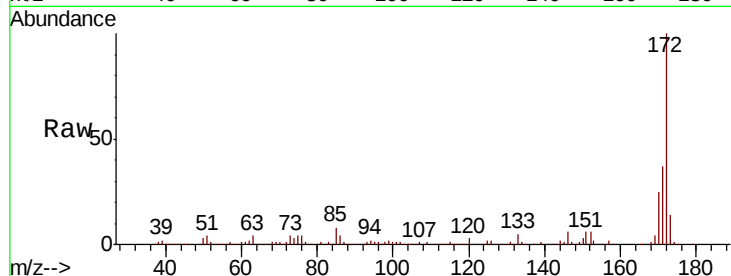
#45
2-Fluorobiphenyl
Concen: 105.799 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.6	44.4
170	24.7	20.2	30.2

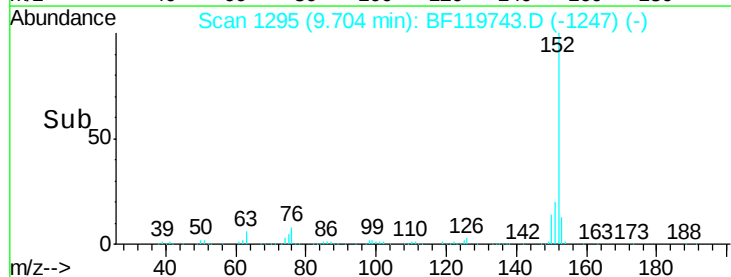
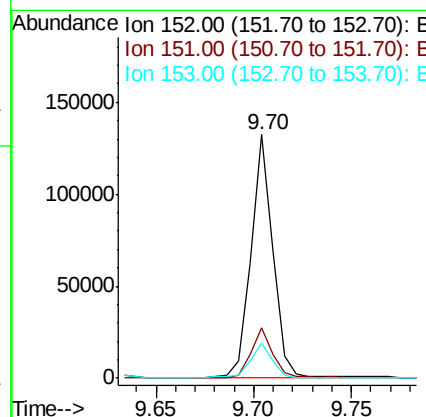
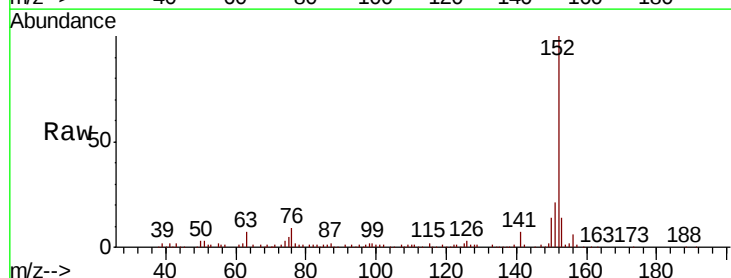
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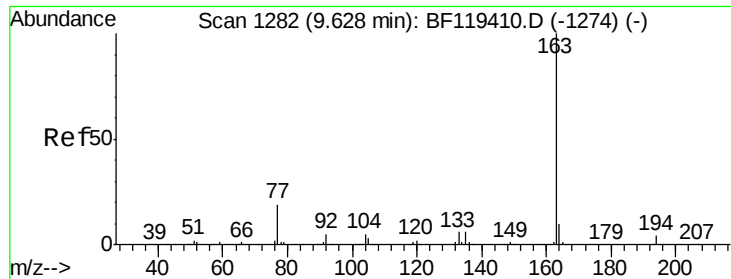
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#49
Acenaphthylene
Concen: 2.921 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	17.2	25.8
153	14.1	11.2	16.8





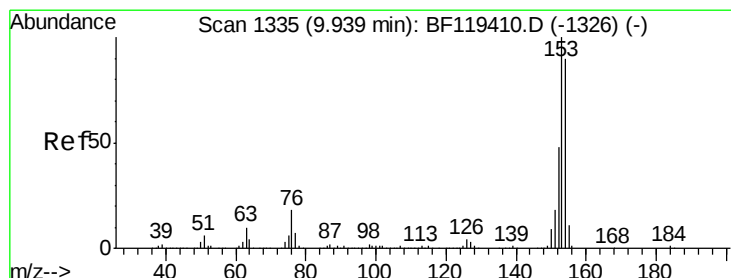
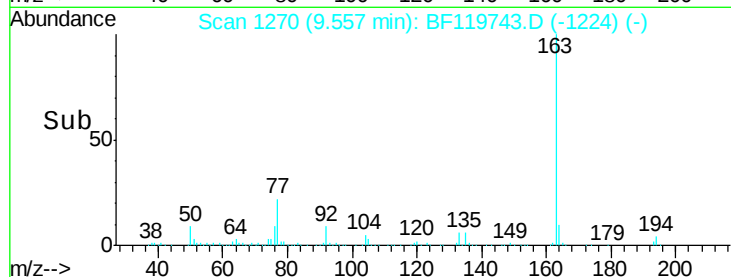
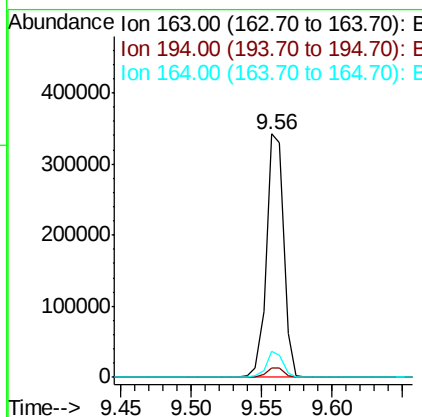
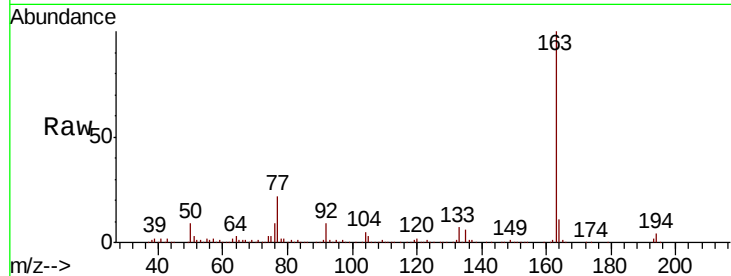
#50
Dimethylphthalate
Concen: 11.895 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.03 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion:	163	Resp:	298121
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.1	4.7
164	10.6	8.2	12.2

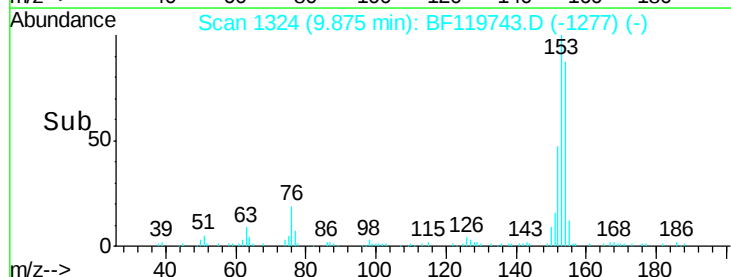
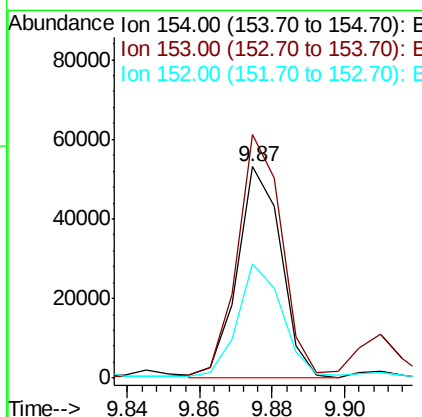
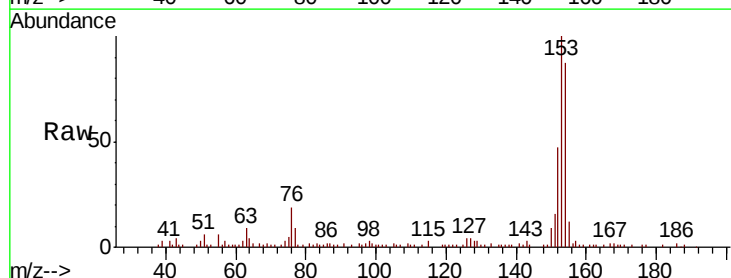
Manual Integrations
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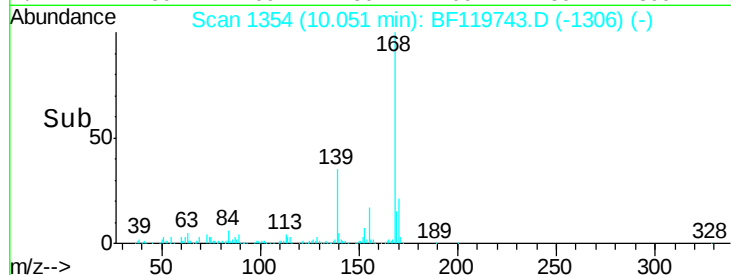
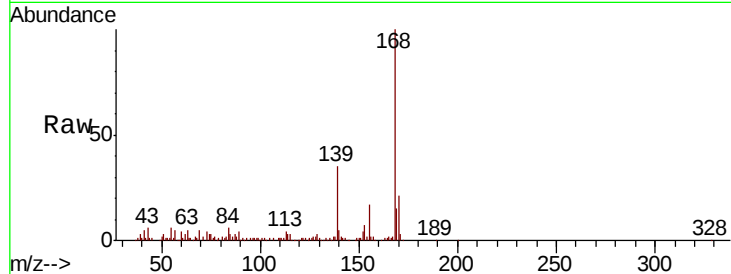
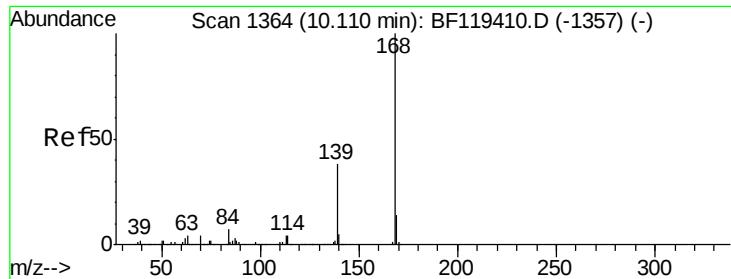
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#52
Acenaphthene
Concen: 2.017 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Tgt Ion:	154	Resp:	44442
Ion Ratio	Lower	Upper	
154	100		
153	115.3	88.1	132.1
152	54.4	43.0	64.4





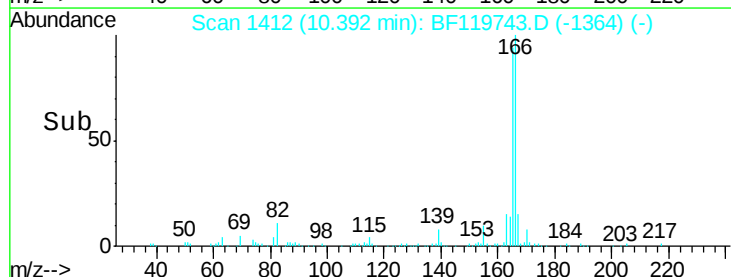
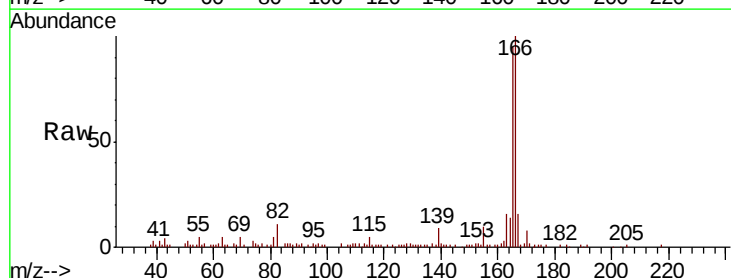
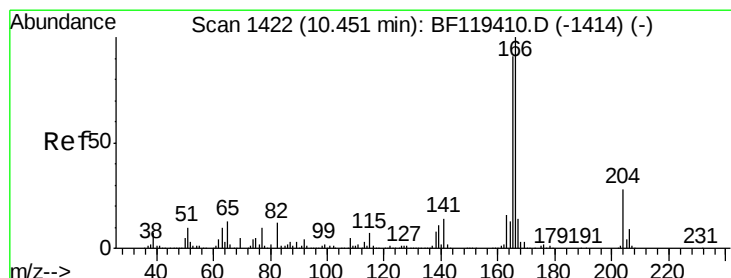
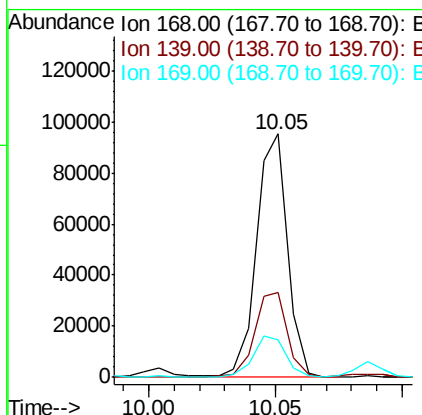
#55
Dibenzofuran
Concen: 2.549 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.02 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Tot Ion	Ratio	Resp	Lower	Upper
168	100	80530		
139	34.9		30.1	45.1
169	15.3		11.0	16.6

Instrument :
BNA_F
ClientSampleId :
TP-5

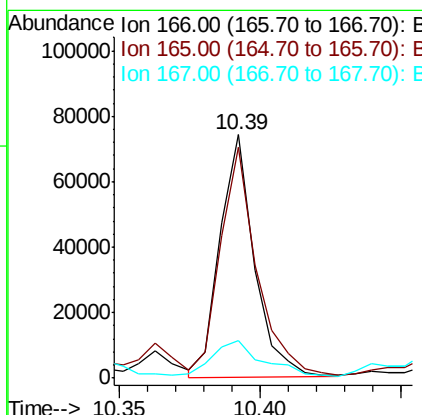
Manual Integrations
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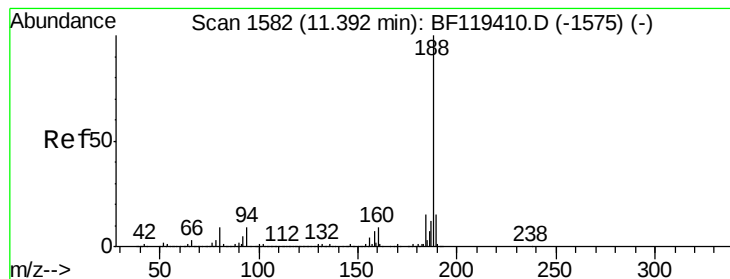
mohammad
4/6/2020 1:39:02 PM



#58
Fluorene
Concen: 2.692 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.02 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	62899		
165	94.8		75.4	113.2
167	15.6		11.2	16.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.02 min

Lab File: BF119743.D

Acq: 4 Apr 2020 4:26

Instrument :

BNA_F

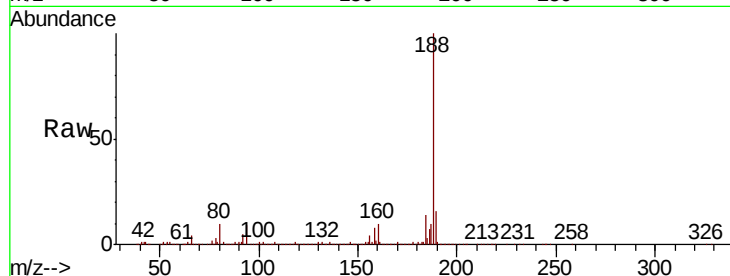
ClientSampleId :

TP-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	580555		
94	9.1		7.5	11.3
80	9.5		9.0	13.4

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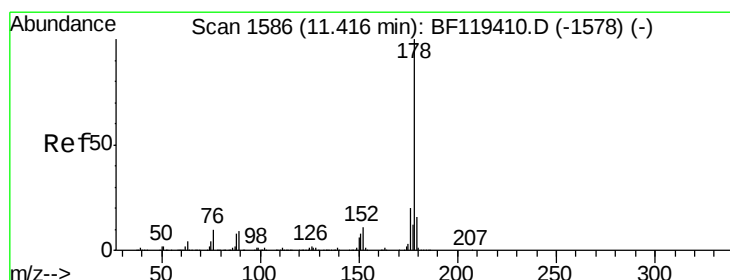
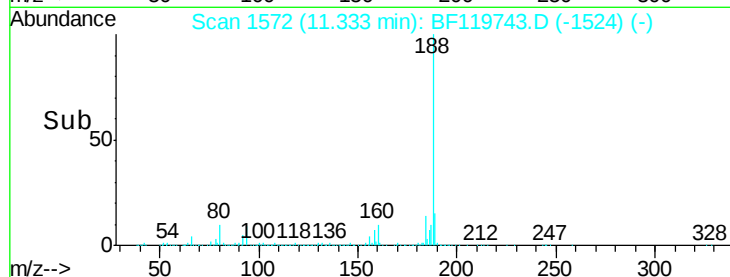
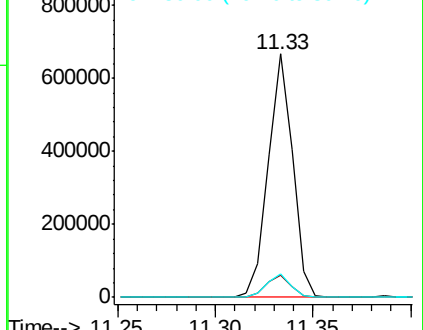
mohammad
4/6/2020 1:39:02 PM



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: 46.982 ng

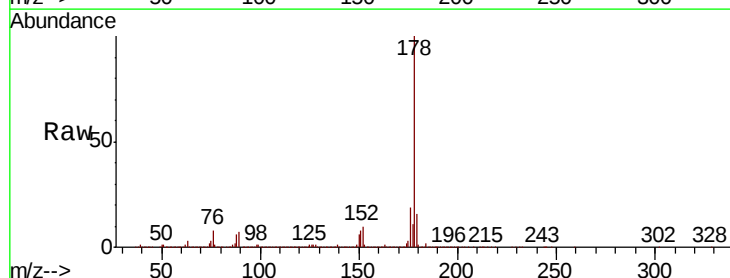
RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF119743.D

Acq: 4 Apr 2020 4:26

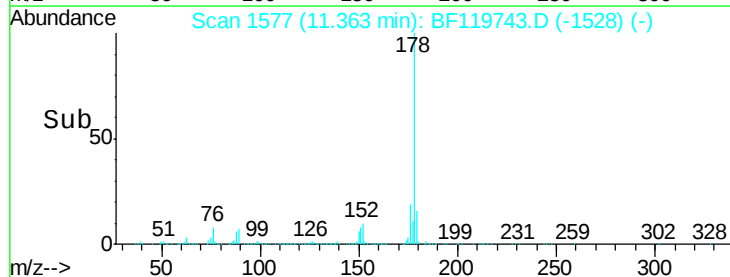
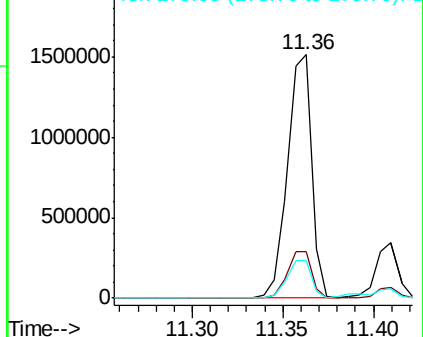
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1414305		
176	19.3		16.2	24.4
179	15.7		13.2	19.8

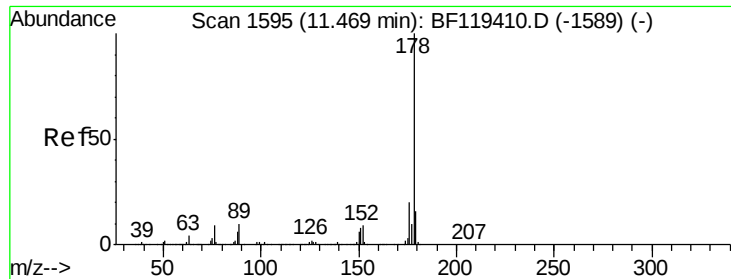


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





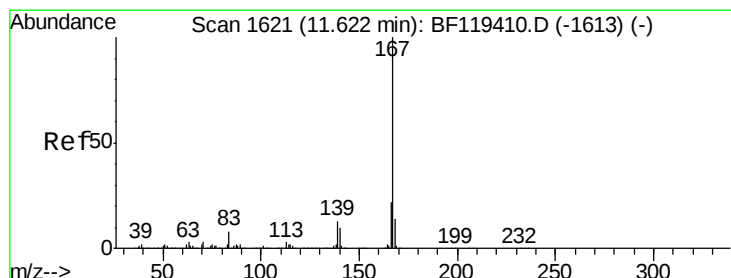
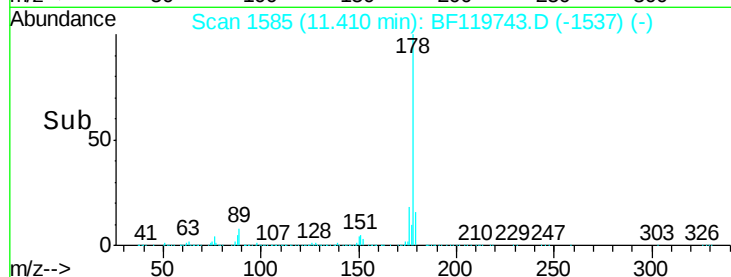
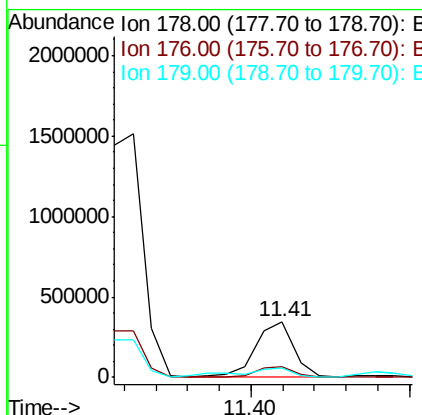
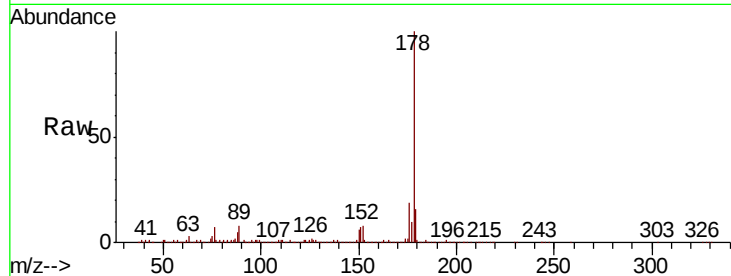
#72
 Anthracene
 Concen: 9.329 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.02 min
 Lab File: BF119743.D
 Acq: 4 Apr 2020 4:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tot Ion:178	Resp:	285409
Ion Ratio	Lower	Upper
178	100	
176	18.6	16.1 24.1
179	16.0	13.0 19.4

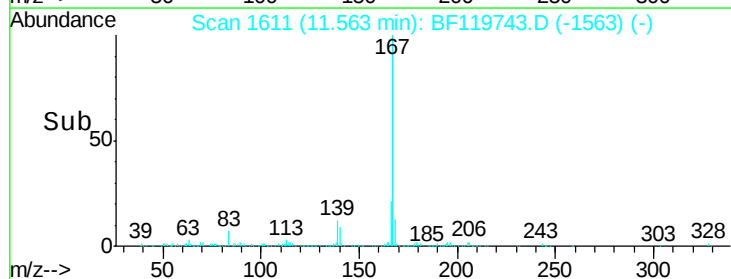
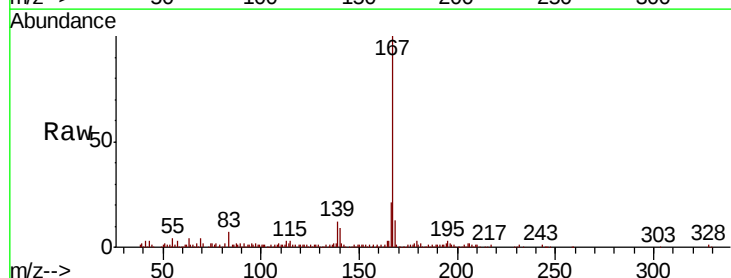
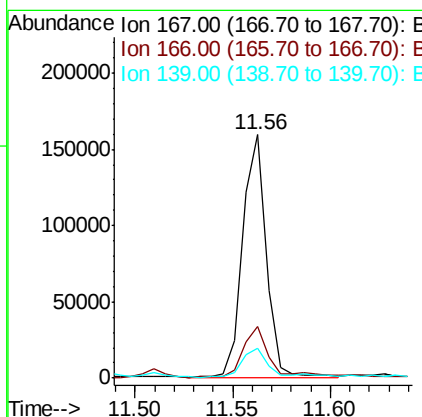
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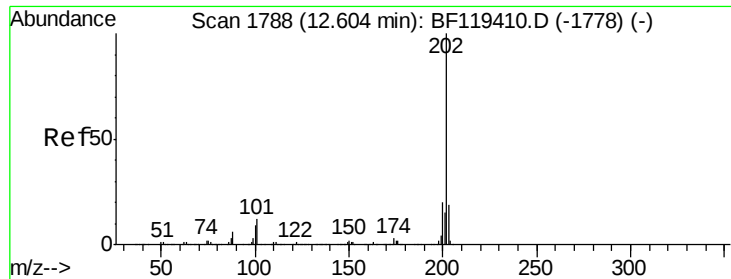
mohammad
 4/6/2020 1:39:02 PM



#73
 Carbazole
 Concen: 4.398 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.02 min
 Lab File: BF119743.D
 Acq: 4 Apr 2020 4:26

Tgt Ion:167	Resp:	133195
Ion Ratio	Lower	Upper
167	100	
166	21.4	18.2 27.4
139	12.2	10.7 16.1





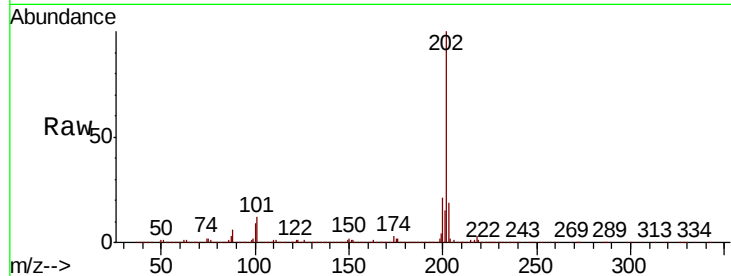
#75
Fluoranthene
Concen: 52.835 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Instrument :
BNA_F
ClientSampled :
TP-5

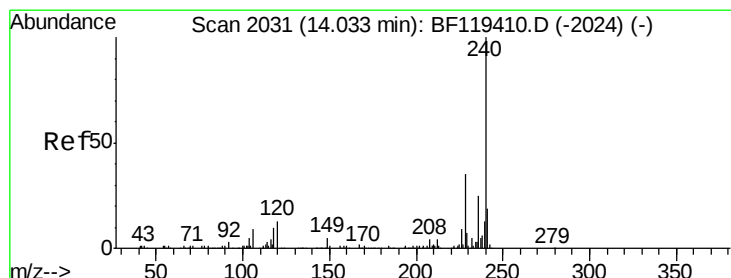
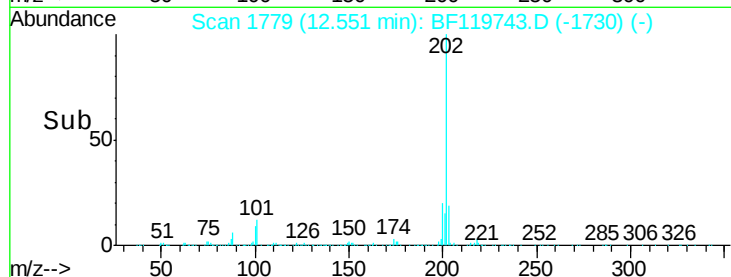
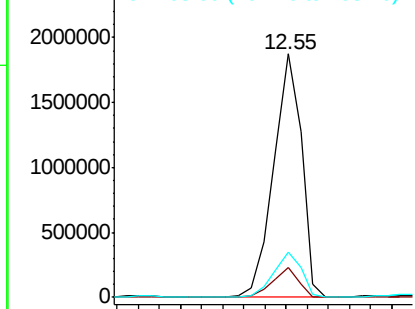
Tot Ion:202	Resp: 1721322
Ion Ratio	Lower Upper
202 100	
101 12.4	0.0 32.2
203 18.8	0.0 38.8

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mohammad
4/6/2020 1:39:02 PM

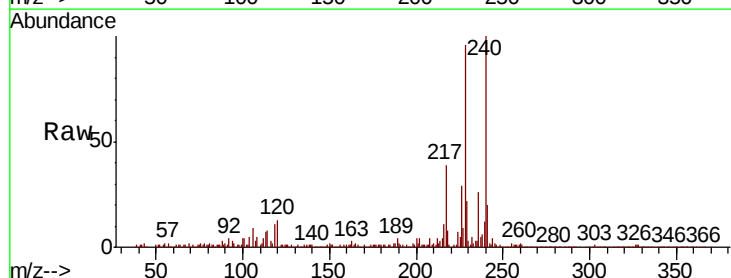


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

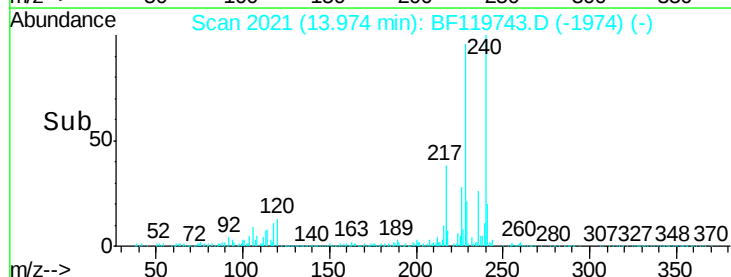
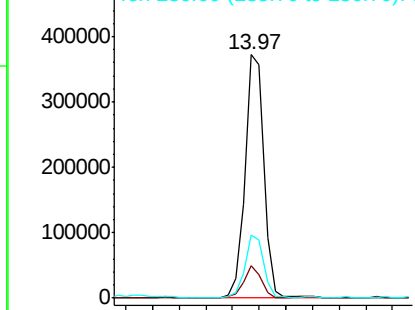


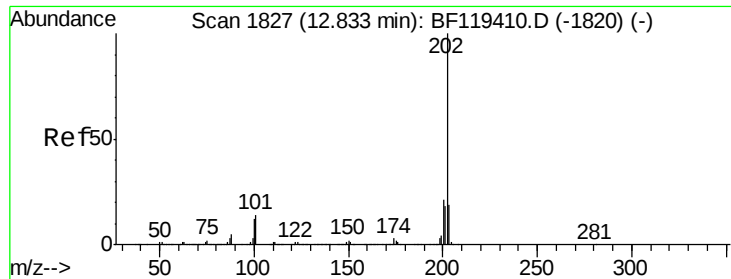
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Tgt Ion:240	Resp: 357524
Ion Ratio	Lower Upper
240 100	
120 13.1	10.6 15.8
236 26.1	20.2 30.2



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





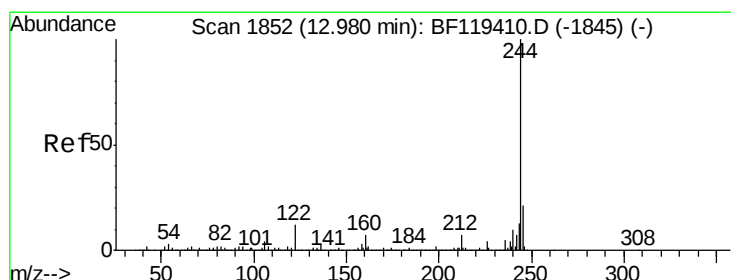
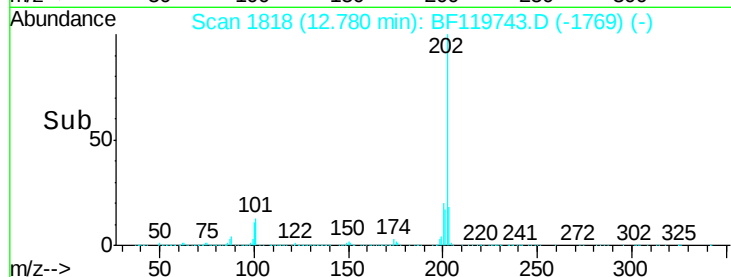
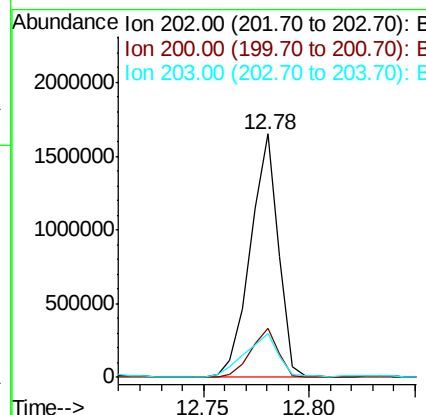
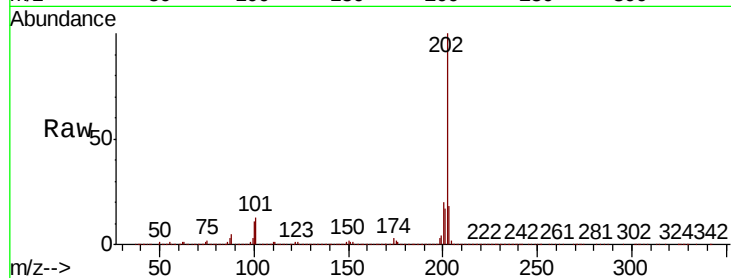
#78
Pvrene
Concen: 51.655 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.8	25.2
203	18.1	15.1	22.7

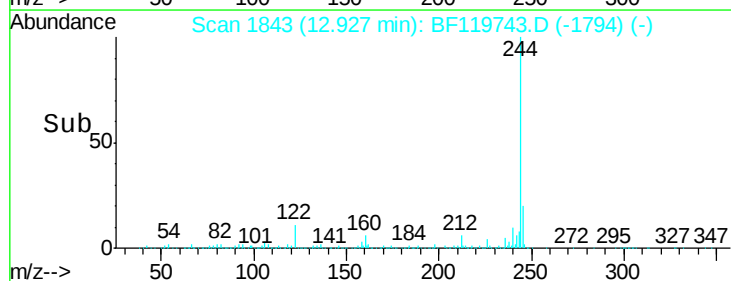
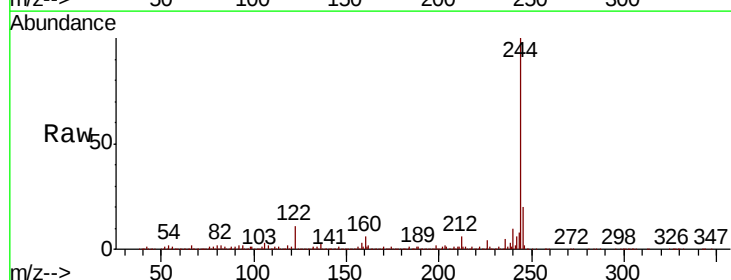
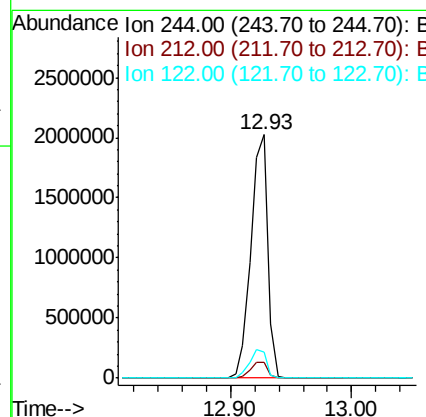
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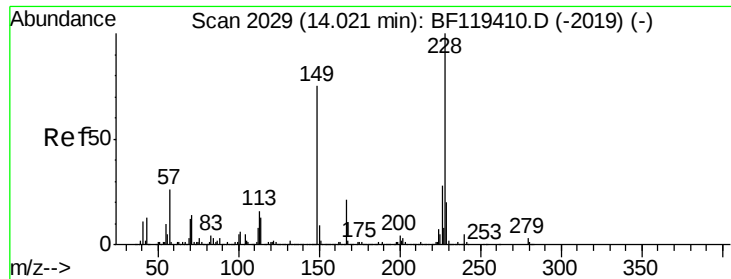
mohammad
4/6/2020 1:39:02 PM



#79
Terphenyl-d14
Concen: 108.703 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.8
122	10.7	10.3	15.5





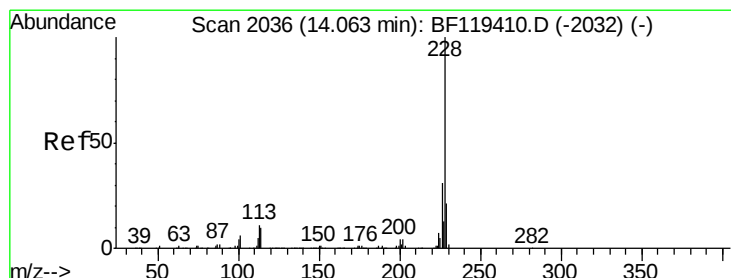
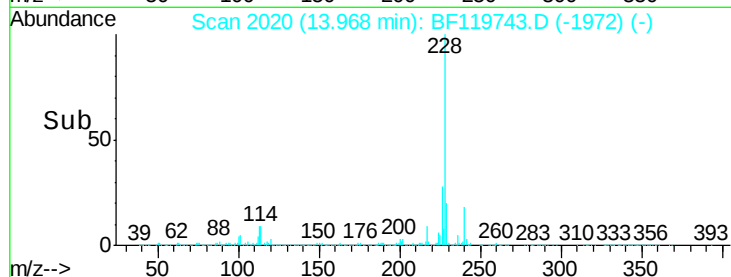
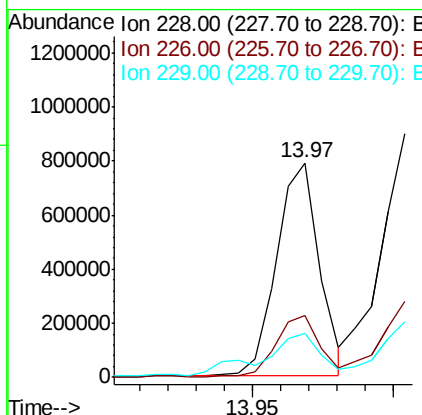
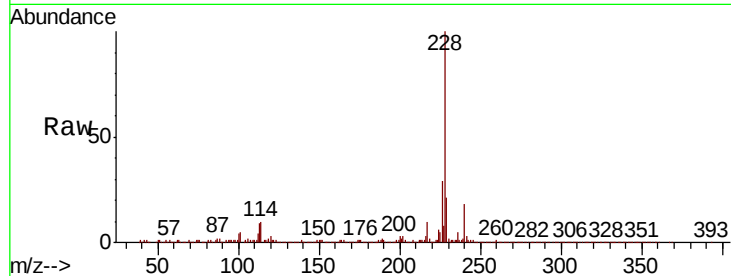
#81
Benzo(a)anthracene
Concen: 35.768 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.02 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.8	32.8
229	20.6	16.2	24.4

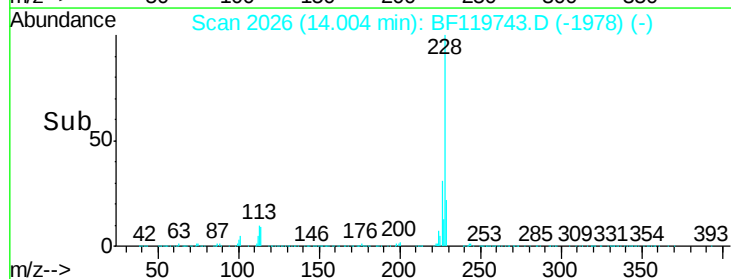
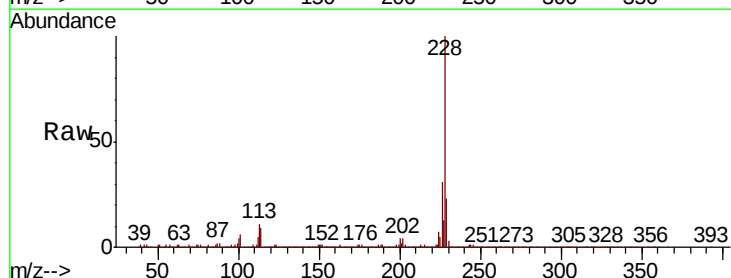
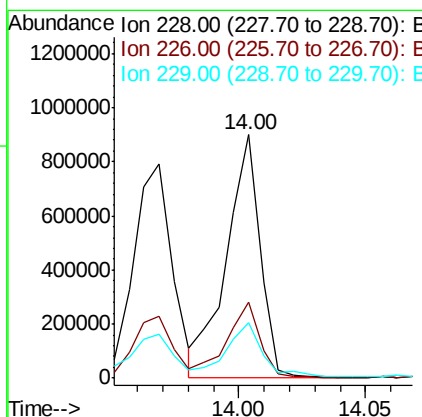
Manual Integrations
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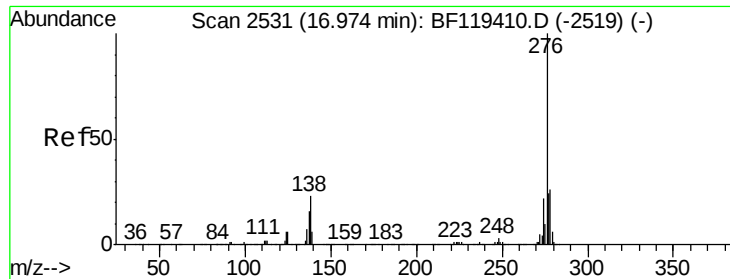
mohammad
4/6/2020 1:39:02 PM



#83
Chrysene
Concen: 34.380 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.0
229	22.7	16.6	24.8





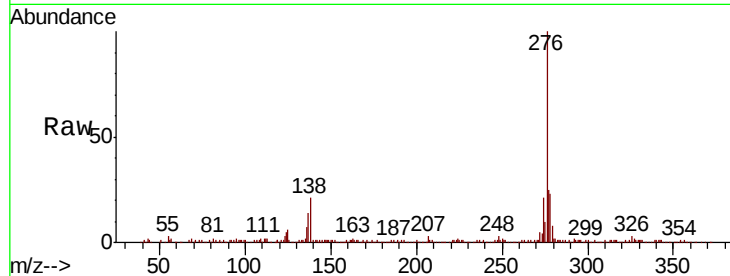
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 13.791 ng
 RT: 16.87 min Scan# 2513
 Delta R.T. -0.05 min
 Lab File: BF119743.D
 Acq: 4 Apr 2020 4:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

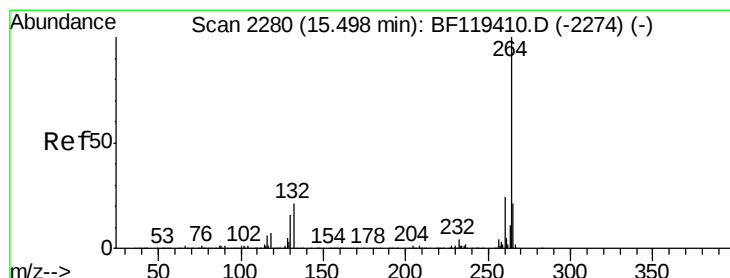
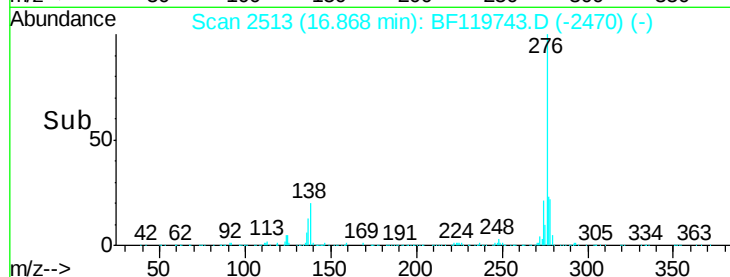
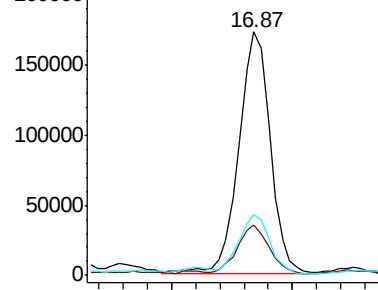
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	19.6	29.4
277	24.3	20.0	30.0

Manual Integrations
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mohammad
 4/6/2020 1:39:02 PM

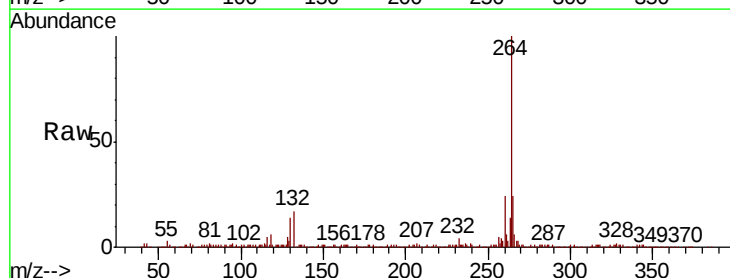


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

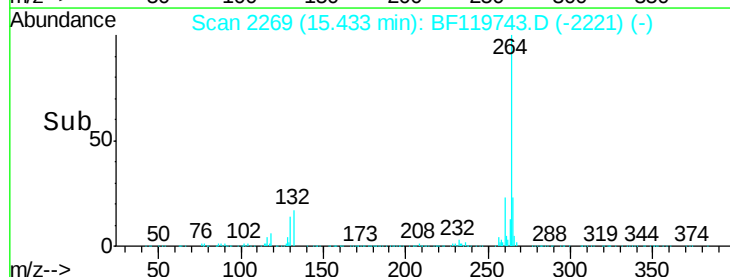
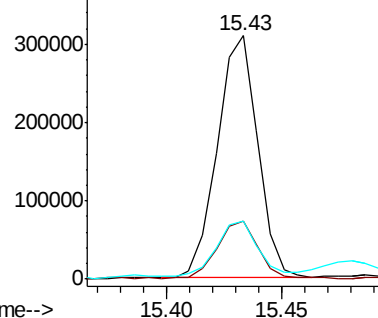


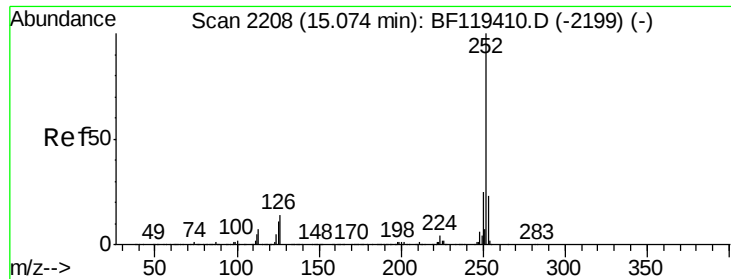
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.02 min
 Lab File: BF119743.D
 Acq: 4 Apr 2020 4:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	23.8	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





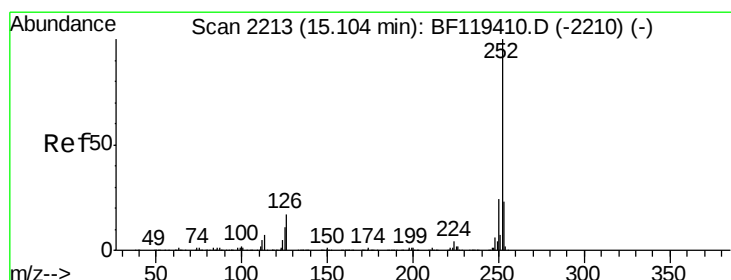
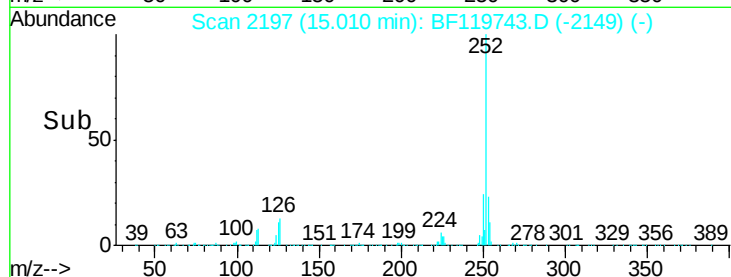
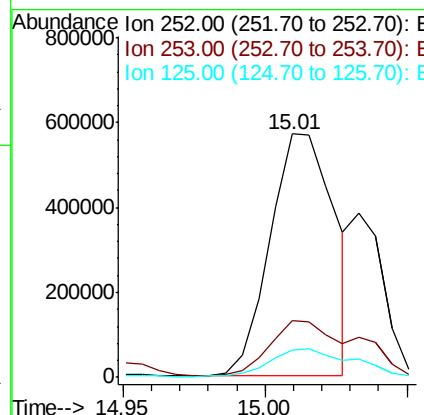
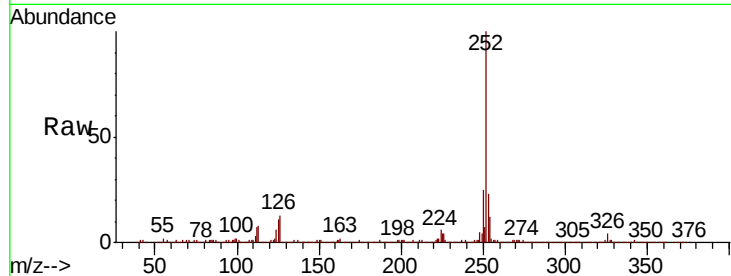
#88
Benzo(b)fluoranthene
Concen: 35.700 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	11.3	7.9	11.9

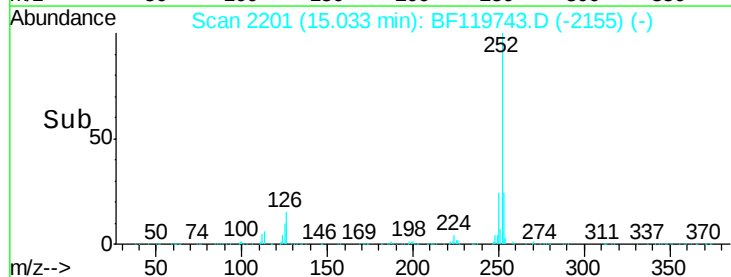
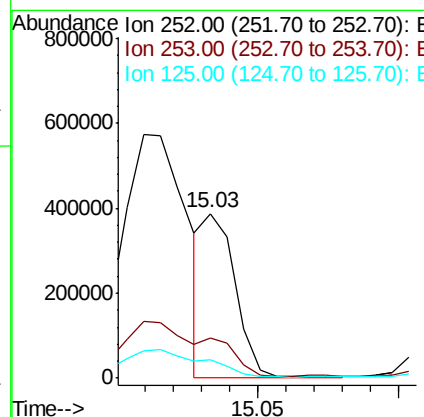
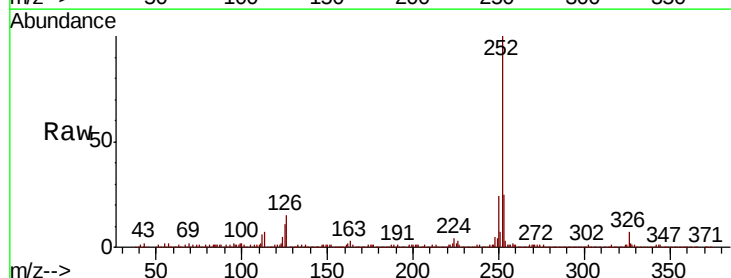
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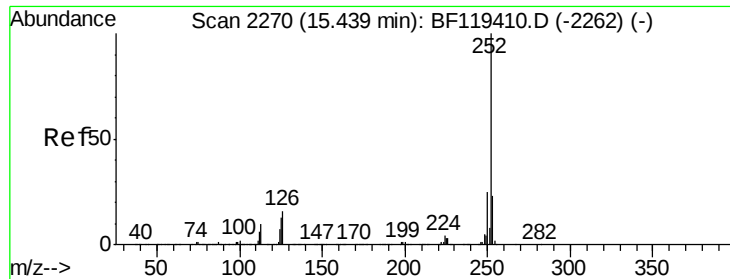
mohammad
4/6/2020 1:39:02 PM



#89
Benzo(k)fluoranthene
Concen: 12.486 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.03 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	10.8	8.4	12.6





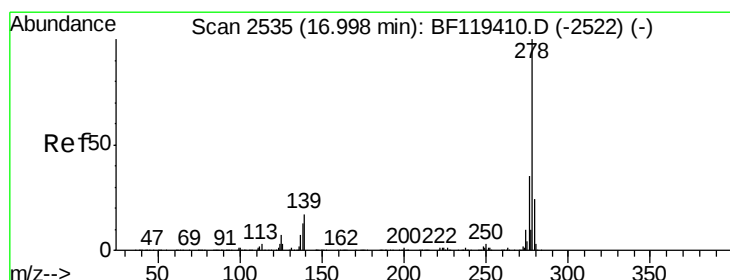
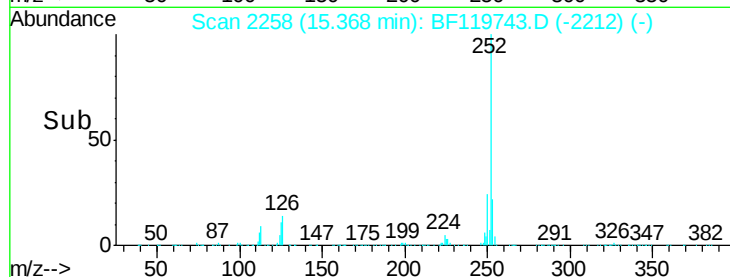
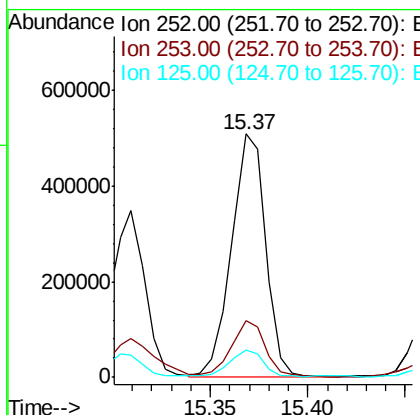
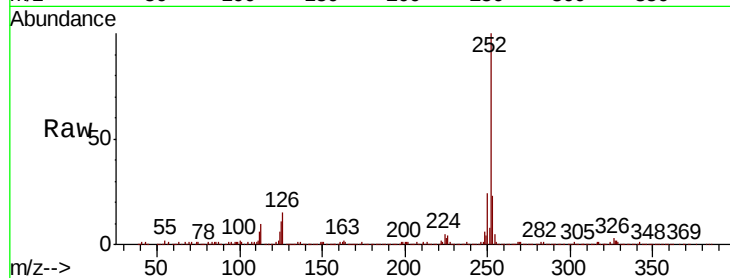
#90
Benzo(a)pyrene
Concen: 26.583 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.03 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	11.4	9.4	14.2

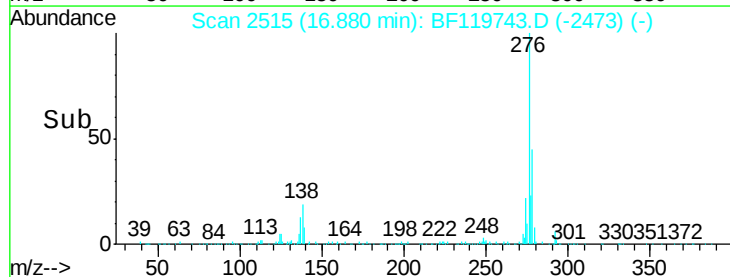
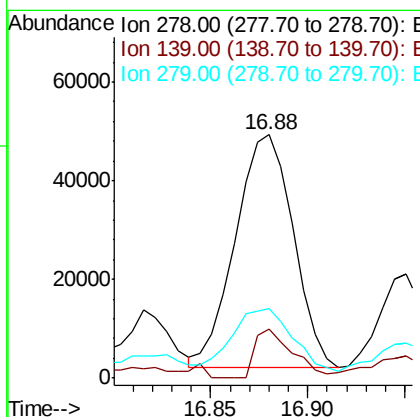
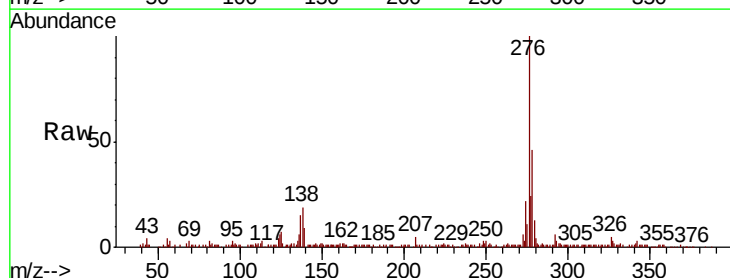
Manual Integrations
APPROVED

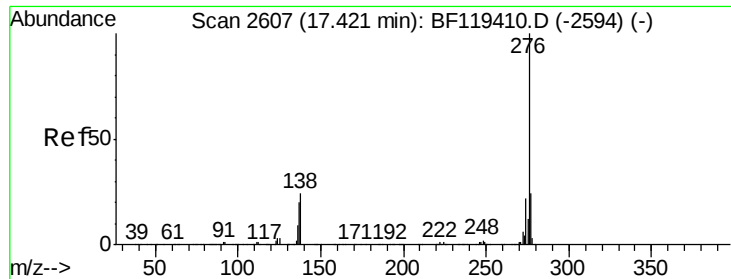
mohammad
4/6/2020 1:39:02 PM



#91
Dibenzo(a,h)anthracene
Concen: 4.797 ng m
RT: 16.88 min Scan# 2515
Delta R.T. -0.05 min
Lab File: BF119743.D
Acq: 4 Apr 2020 4:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	12.6	19.0#
279	28.4	19.0	28.6





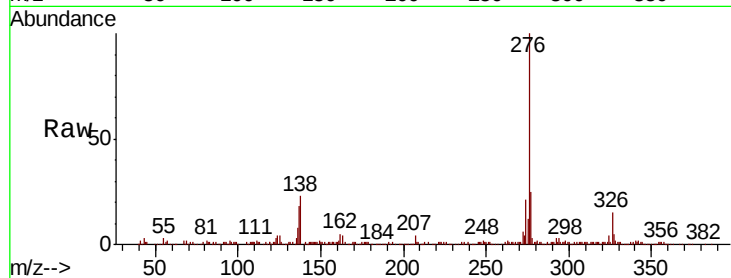
#92
 Benzo(a,h,i)perylene
 Concen: 12.430 ng
 RT: 17.30 min Scan# 2587
 Delta R.T. -0.05 min
 Lab File: BF119743.D
 Acq: 4 Apr 2020 4:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.4	27.6
138	23.1	15.4	23.0

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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

