

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
 Data File : BF115343.D
 Acq On : 1 Jul 2019 17:27
 Operator : HP/JU
 Sample : K3158-09 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-062819

Manual Integrations
 APPROVED

mohammad
 7/2/2019 2:53:39 PM

Quant Time: Jul 02 09:02:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	274584	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	1016715	20.00	ng	0.00
39) Acenaphthene-d10	9.63	164	485253	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	933026	20.00	ng	0.01
76) Chrysene-d12	13.73	240	579148	20.00	ng	0.01
87) Perylene-d12	15.10	264	519714	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	756580	42.52	ng	0.00
7) Phenol-d6	6.24	99	958508	44.38	ng	0.00
23) Nitrobenzene-d5	7.16	82	565142	34.19	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	222404	43.46	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	1084158	37.95	ng	0.00
79) Terphenyl-d14	12.69	244	1076026	39.50	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.90	128	494825	9.915	ng	98
37) 2-Methylnaphthalene	8.60	142	232559	6.911	ng	98
38) 1-Methylnaphthalene	8.69	142	213249m	6.635	ng	
46) 1,1'-Biphenyl	9.05	154	90214	2.323	ng	99
50) Dimethylphthalate	9.35	163	166477	4.663	ng	# 97
52) Acenaphthene	9.66	154	510476	16.625	ng	97
55) Dibenzofuran	9.83	168	952893	21.622	ng	99
58) Fluorene	10.18	166	1314230	44.754	ng	98
71) Phenanthrene	11.15	178	5549103	110.462	ng	97
72) Anthracene	11.19	178	1975430	38.956	ng	99
73) Carbazole	11.33	167	918488	20.284	ng	99
75) Fluoranthene	12.33	202	4126115	82.321	ng	97
78) Pvrene	12.55	202	3769372	84.690	ng	97
81) Benzo(a)anthracene	13.72	228	1669275	40.169	ng	98
83) Chrysene	13.76	228	1395734	36.666	ng	97
86) Indeno(1,2,3-cd)pyrene	16.37	276	348310	7.733	ng	95
88) Benzo(b)fluoranthene	14.72	252	1195532m	36.867	ng	
89) Benzo(k)fluoranthene	14.75	252	269393m	9.263	ng	
90) Benzo(a)pvrene	15.04	252	798620	27.323	ng	99
91) Dibenzo(a,h)anthracene	16.38	278	91189	3.342	ng	# 86
92) Benzo(g,h,i)perylene	16.75	276	283028	10.248	ng	97

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

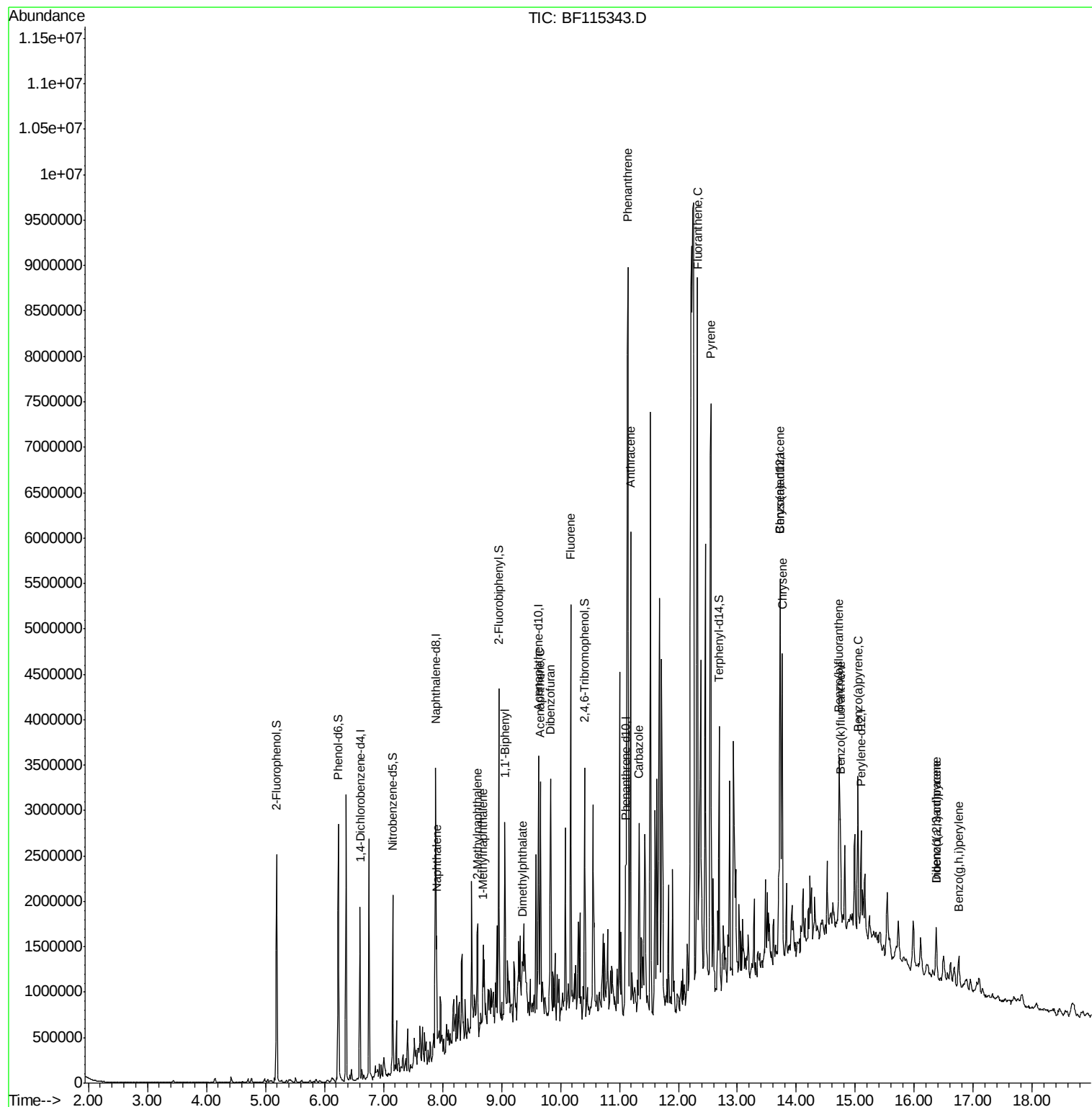
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070119\
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ALS Vial : 4 Sample Multiplier: 1

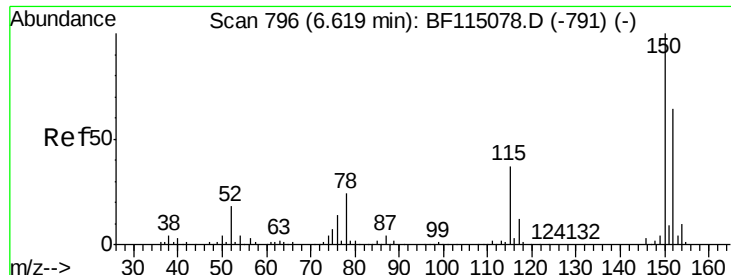
Instrument :
BNA_F
ClientSampleId :
OK-01-062819

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
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#1

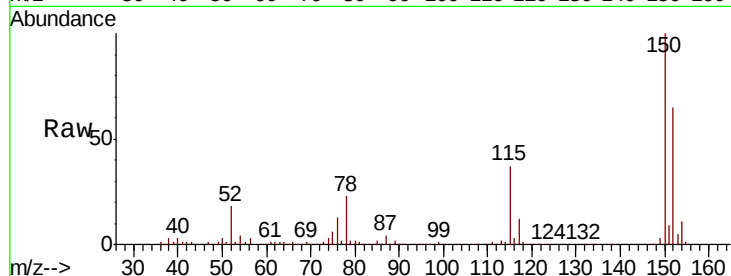
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Instrument :
BNA_F
ClientSampleId :
OK-01-062819

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.2	186.2
115	57.3	46.1	69.1

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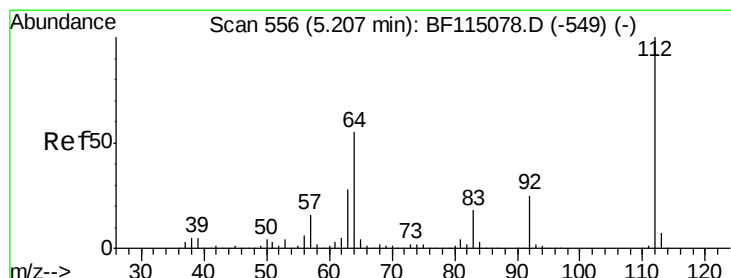
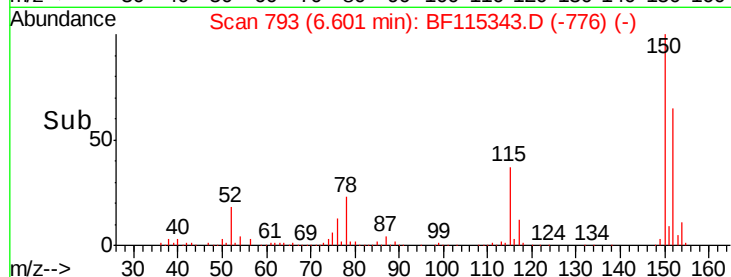
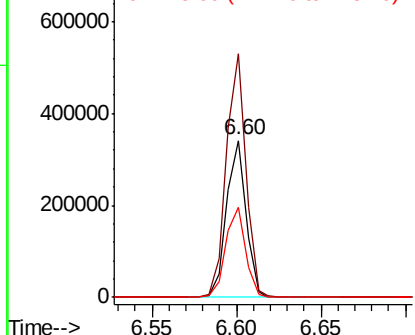


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

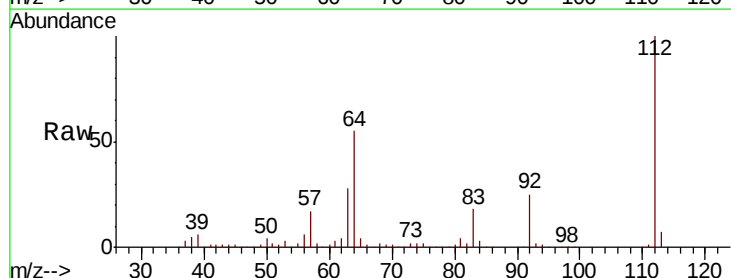
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.520 ng
RT: 5.19 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	43.8	65.6
63	28.4	22.2	33.4

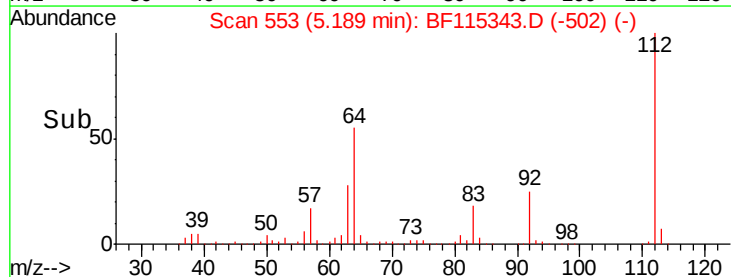
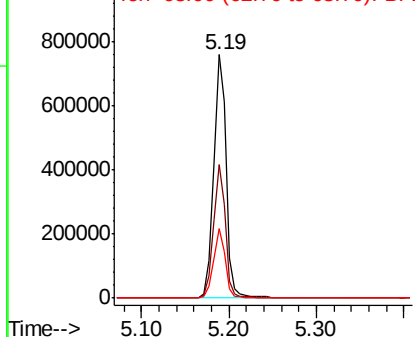


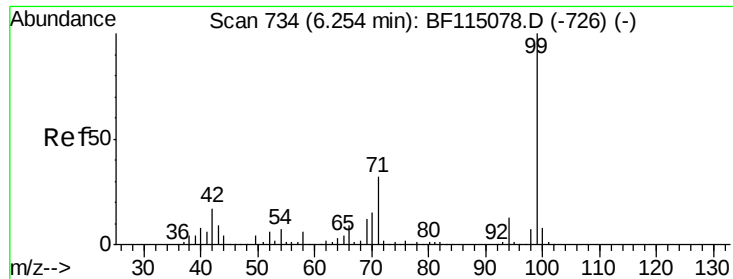
Abundance

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: 44.382 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115343.D

Acq: 1 Jul 2019 17:27

Instrument :

BNA_F

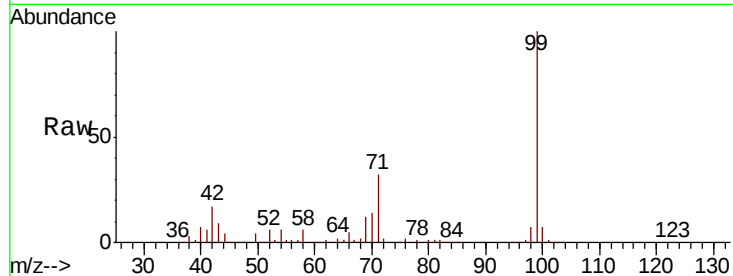
ClientSampleId :

OK-01-062819

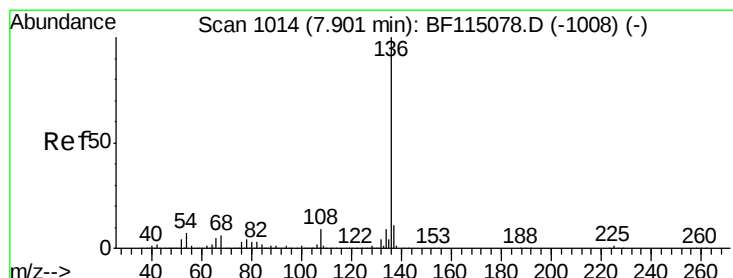
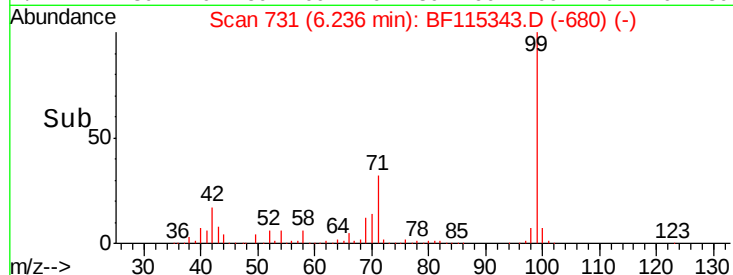
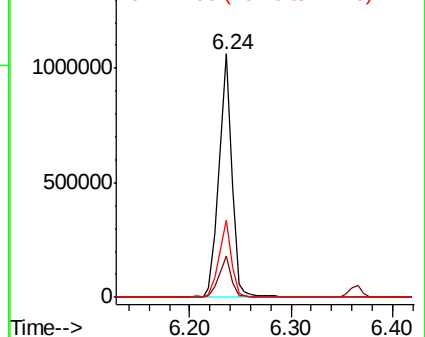
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		958508		
42	17.1	13.6	20.4		
71	31.8	25.5	38.3		

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.88 min Scan# 1011

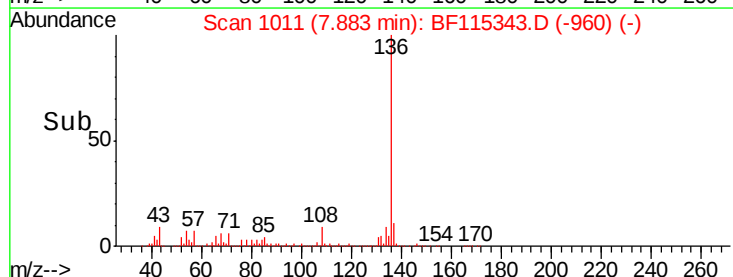
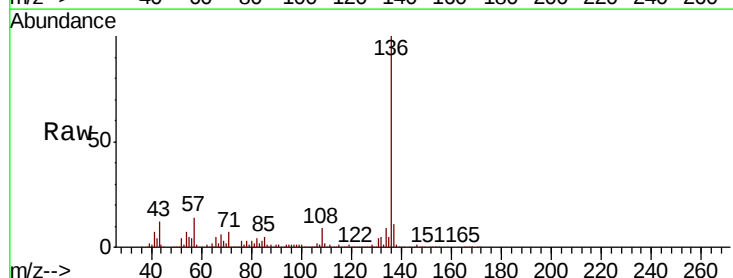
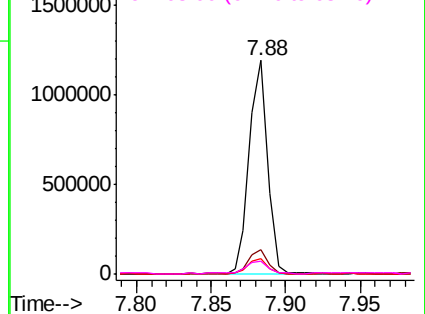
Delta R.T. 0.00 min

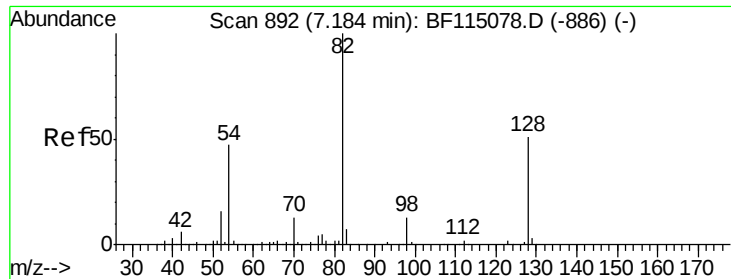
Lab File: BF115343.D

Acq: 1 Jul 2019 17:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		1016715		
137	11.4	8.9	13.3		
54	7.0	5.6	8.4		
68	6.2	4.8	7.2		

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





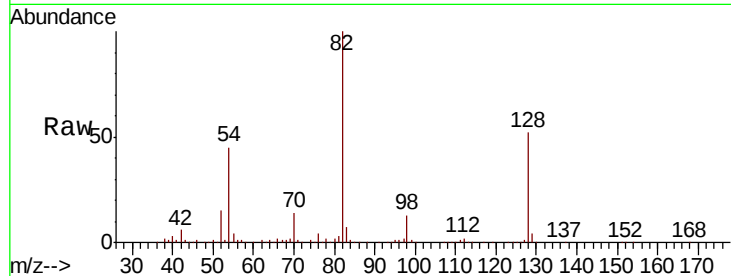
#23
 Nitrobenzene-d5
 Concen: 34.193 ng
 RT: 7.16 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF115343.D
 Acq: 1 Jul 2019 17:27

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-062819

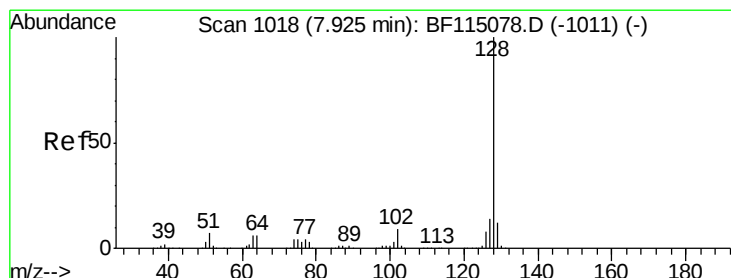
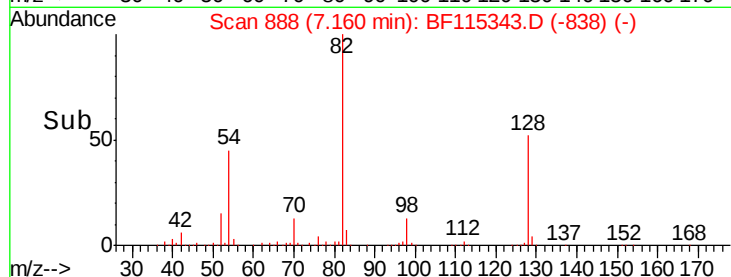
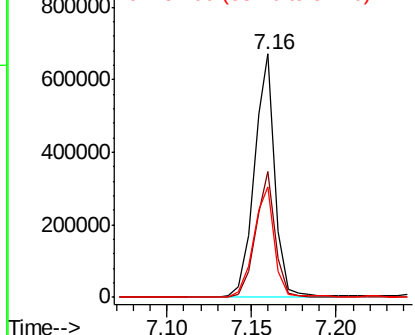
Tot Ion	Ratio	Lower	Upper
82	100		
128	51.8	40.4	60.6
54	45.3	37.5	56.3

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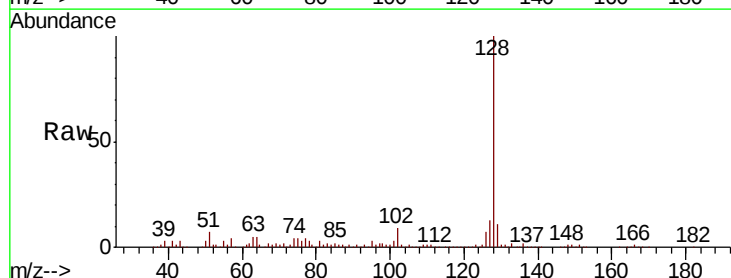


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

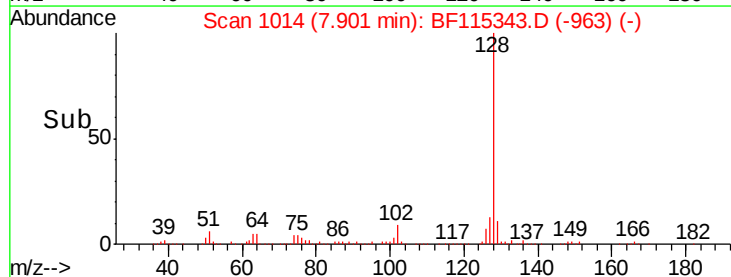
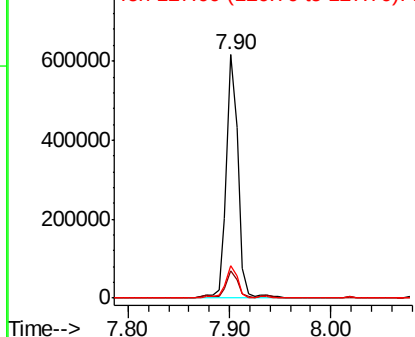


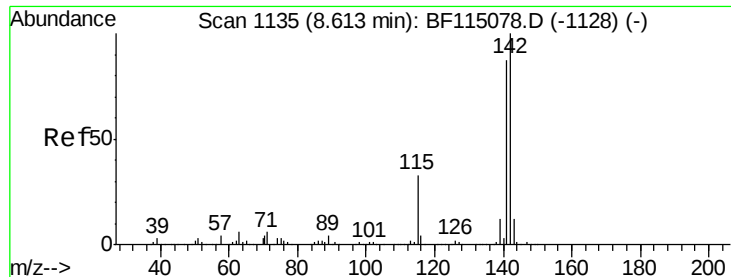
#31
 Naphthalene
 Concen: 9.915 ng
 RT: 7.90 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: BF115343.D
 Acq: 1 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.6	14.4
127	13.4	11.4	17.0



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





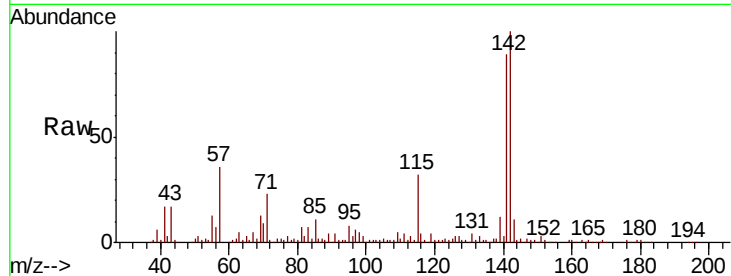
#37
2-Methylnaphthalene
Concen: 6.911 ng
RT: 8.60 min Scan# 1132
Delta R.T. 0.01 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Instrument :
BNA_F
ClientSampleId :
OK-01-062819

Tot Ion	Ratio	Resp	Lower	Upper
142	100			
141	88.6	69.8	104.6	
115	32.4	26.7	40.1	

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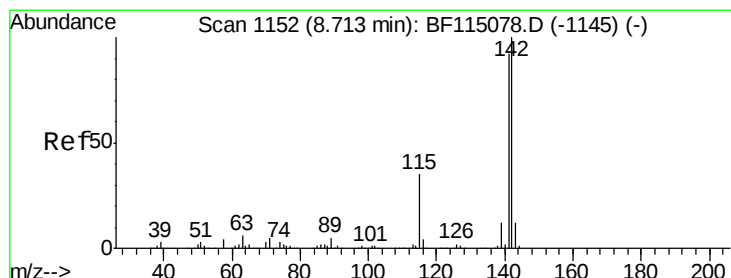
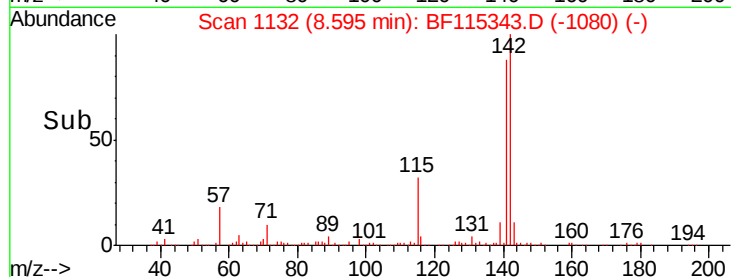
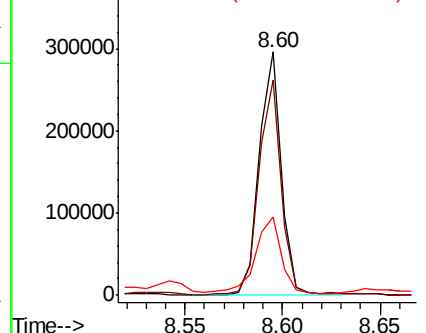


Abundance

Ion 142.00 (141.70 to 142.70): E

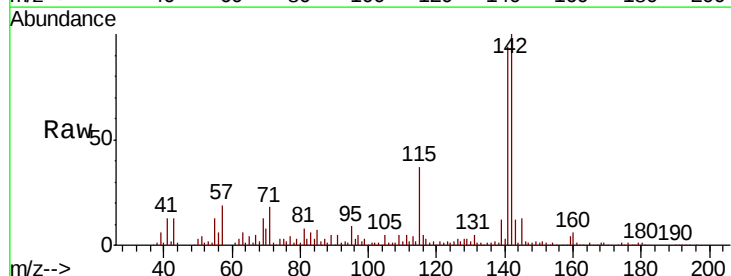
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 6.635 ng m
RT: 8.69 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	93.7	73.8	110.8	
116	4.8	2.8	4.2#	

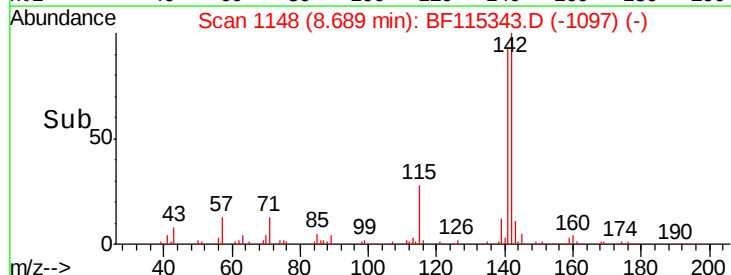
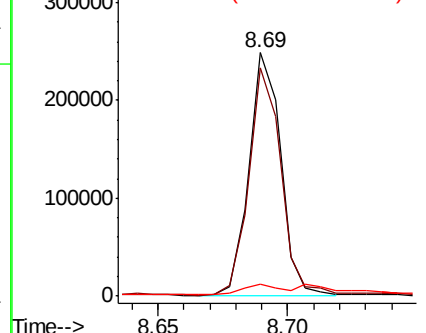


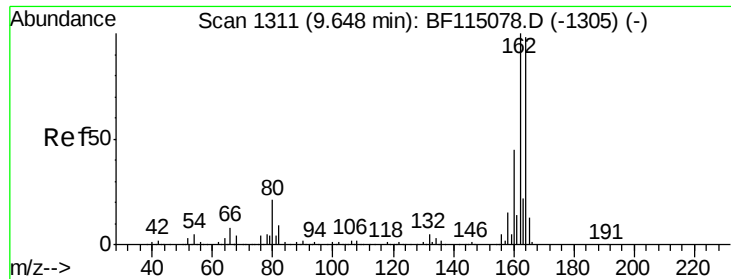
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





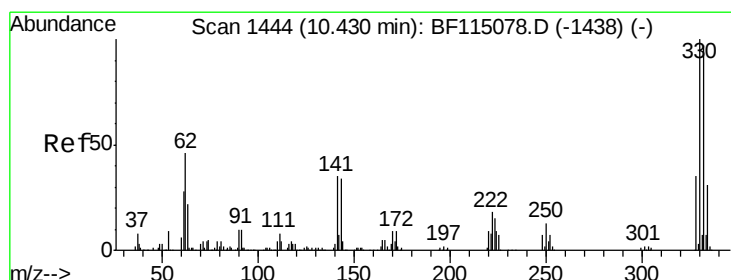
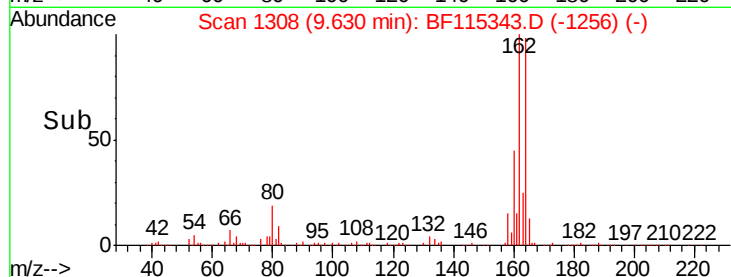
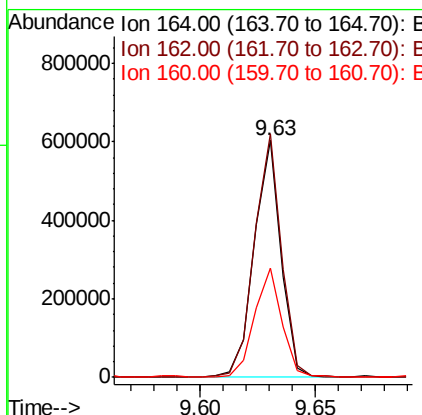
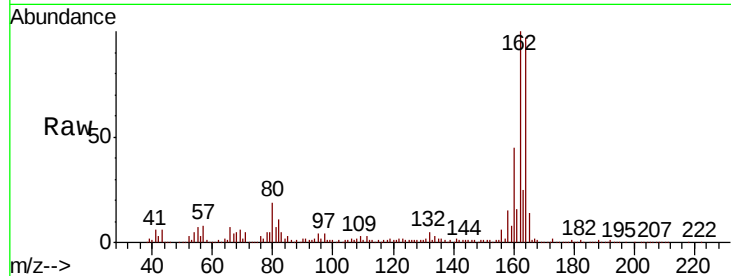
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.63 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Instrument :
BNA_F
ClientSampleId :
OK-01-062819

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.7	122.5
160	46.2	37.0	55.4

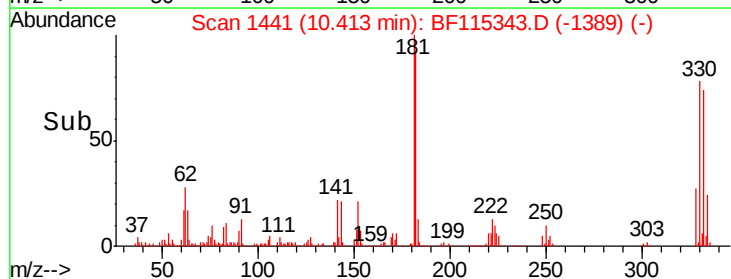
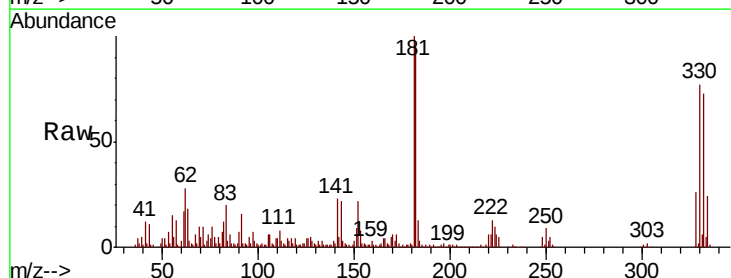
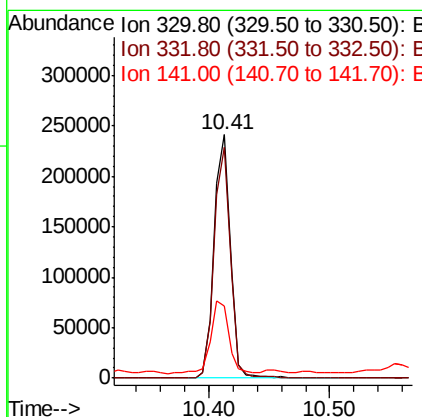
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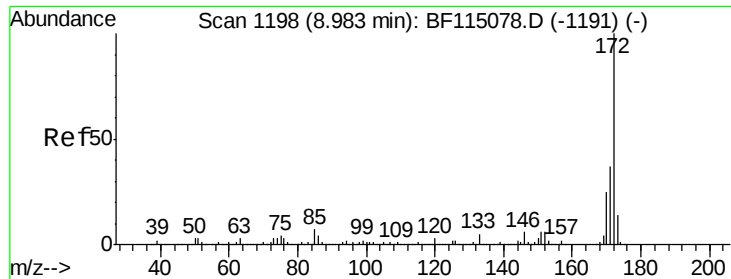
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#42
2,4,6-Tribromophenol
Concen: 43.462 ng
RT: 10.41 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.3	115.9
141	32.8	28.2	42.2





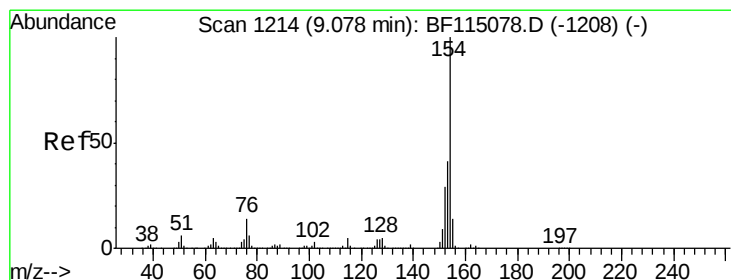
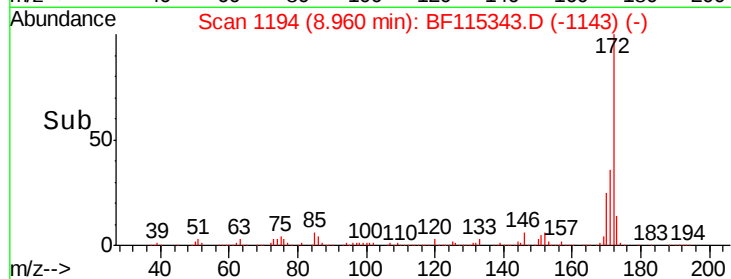
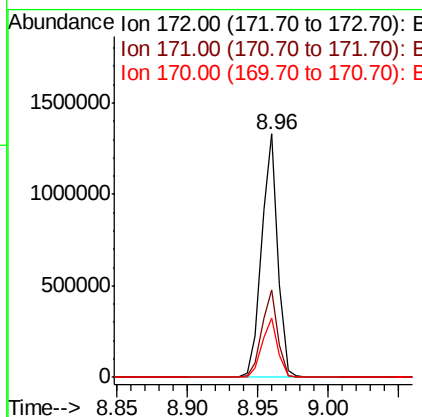
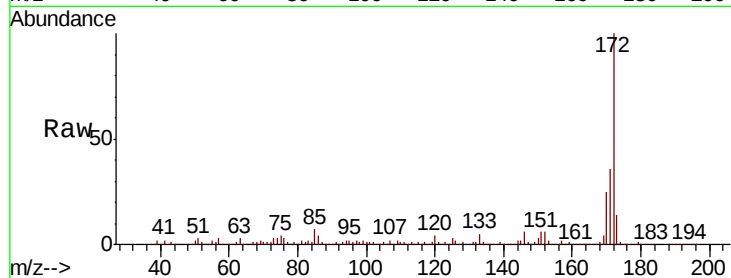
#45
2-Fluorobiphenyl
Concen: 37.951 ng
RT: 8.96 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Instrument :
BNA_F
ClientSampleId :
OK-01-062819

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.8	44.6
170	24.6	20.3	30.5

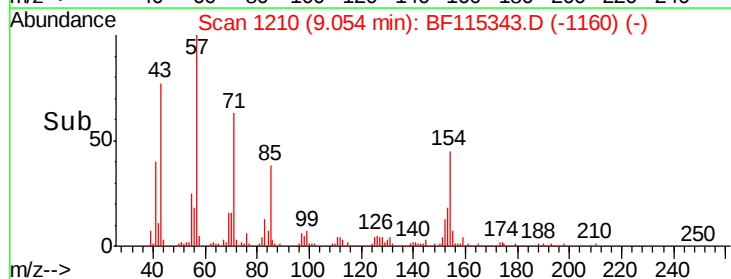
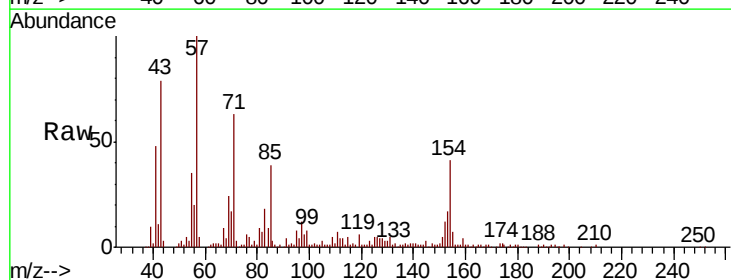
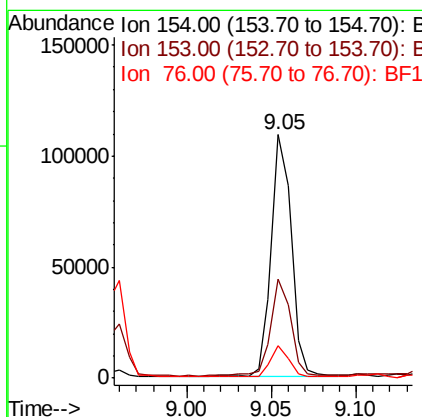
Manual Integrations
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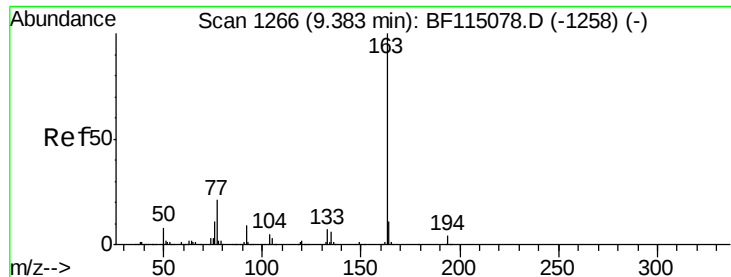
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#46
1,1'-Biphenyl
Concen: 2.323 ng
RT: 9.05 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.9	60.9
76	13.4	0.0	34.1





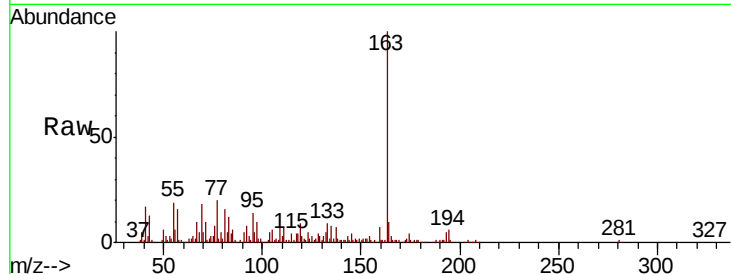
#50
Dimethylphthalate
Concen: 4.663 ng
RT: 9.35 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Instrument :
BNA_F
ClientSampleId :
OK-01-062819

Tot Ion	Ratio	Resp	Lower	Upper
163	100	166477		
194	6.3	3.2	4.8#	
164	10.2	8.6	13.0	

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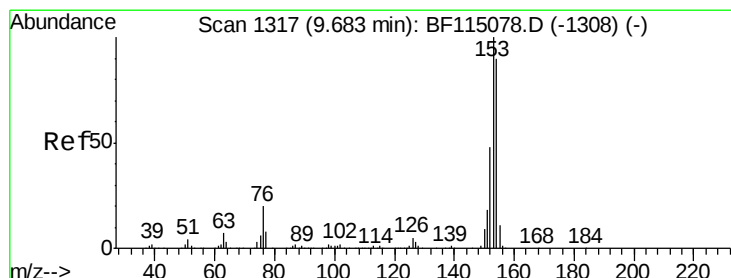
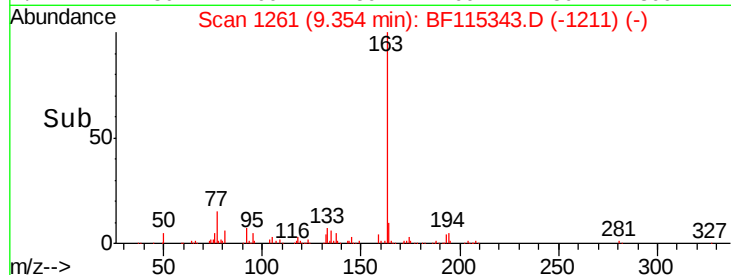
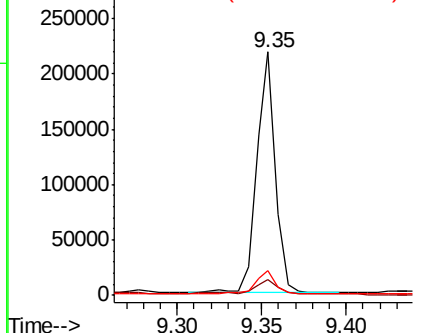


Abundance

Ion 163.00 (162.70 to 163.70): E

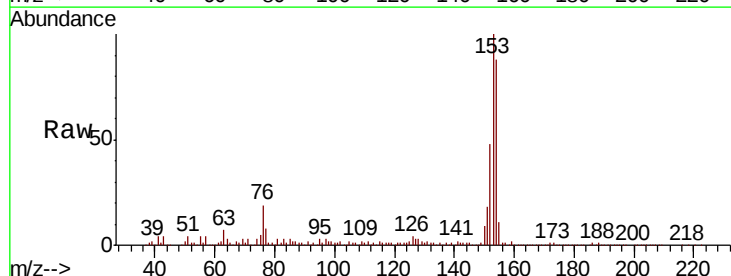
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 16.625 ng
RT: 9.66 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	510476		
153	114.0	88.7	133.1	
152	54.4	42.6	64.0	

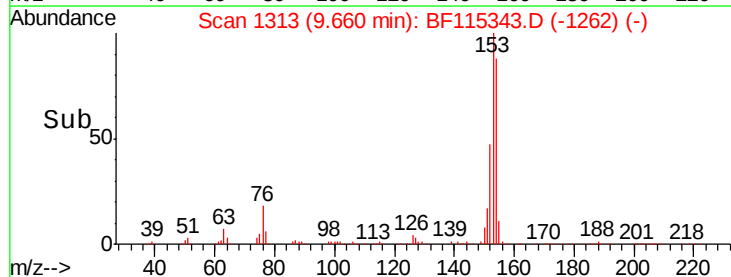
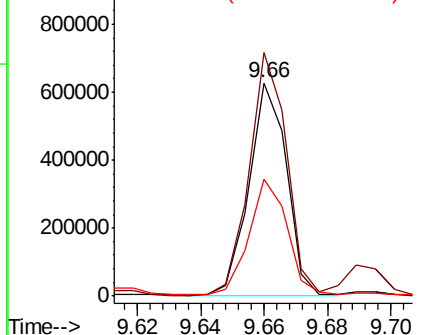


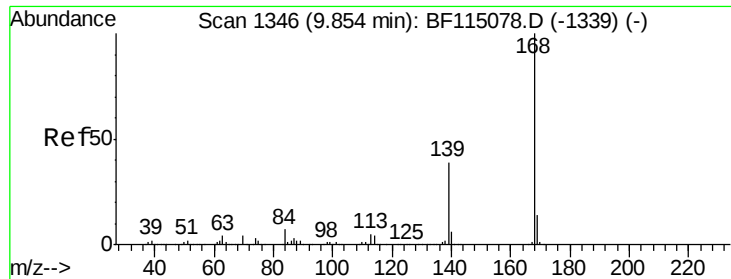
Abundance

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





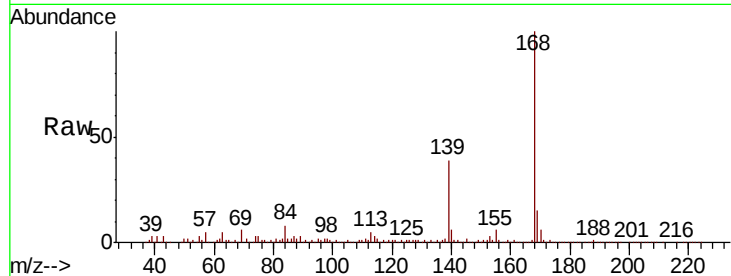
#55
Dibenzofuran
Concen: 21.622 ng
RT: 9.83 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Instrument :
BNA_F
ClientSampleId :
OK-01-062819

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.7	31.1	46.7
169	14.7	11.3	16.9

Manual Integrations
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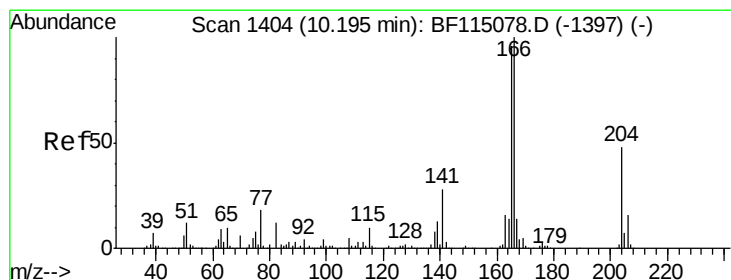
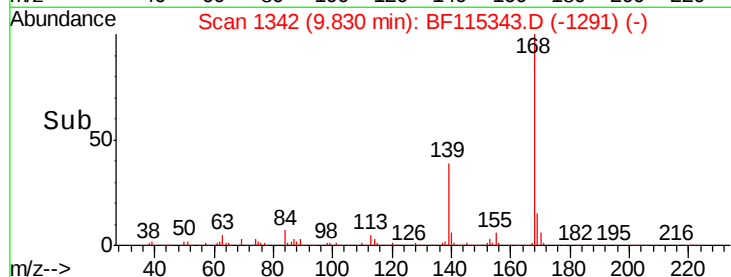
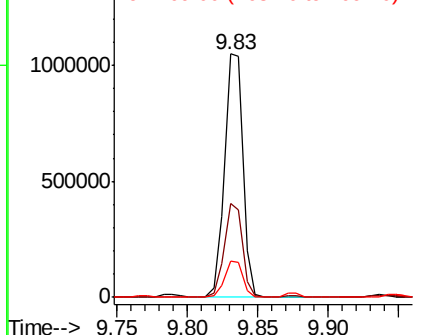


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 44.754 ng
RT: 10.18 min Scan# 1401
Delta R.T. 0.01 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

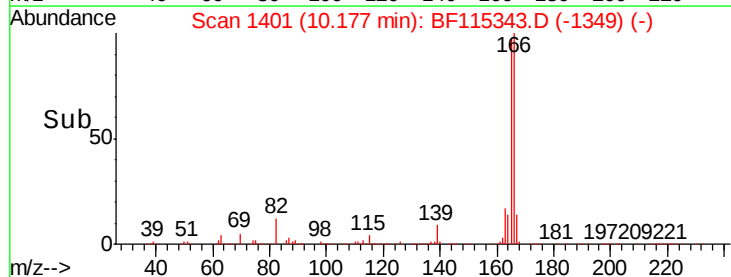
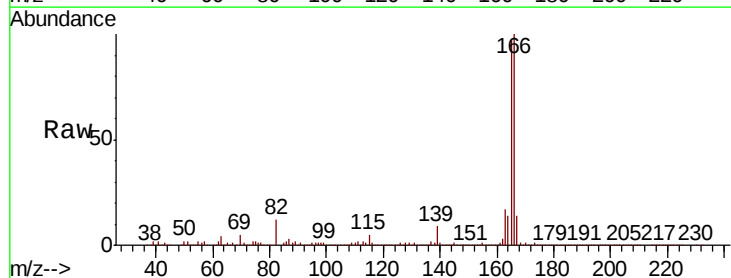
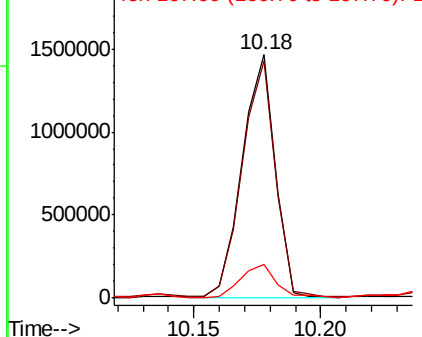
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	76.5	114.7
167	14.0	11.0	16.4

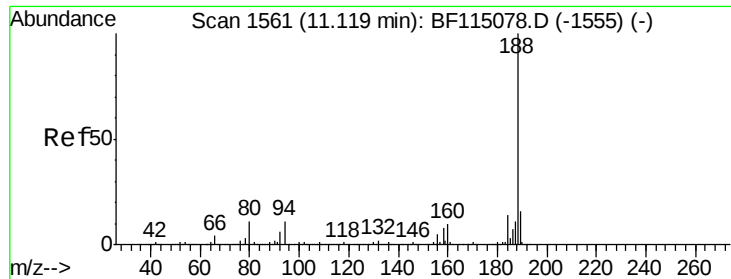
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





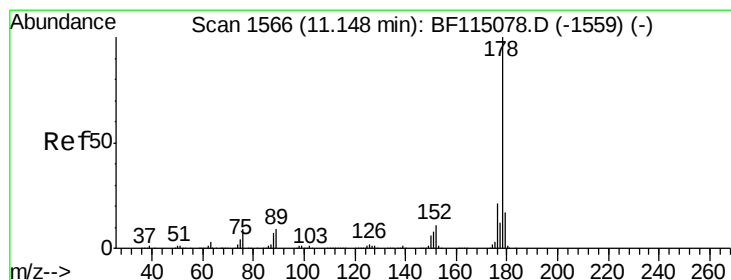
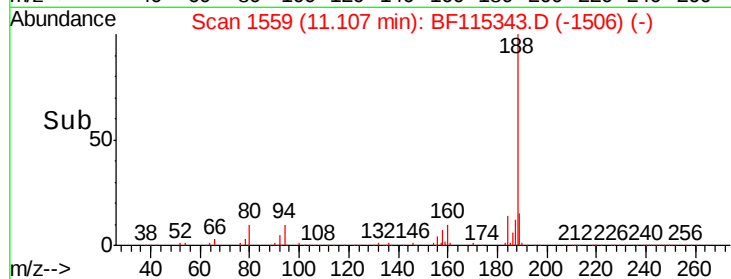
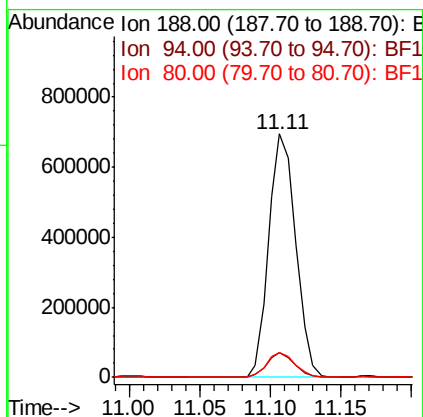
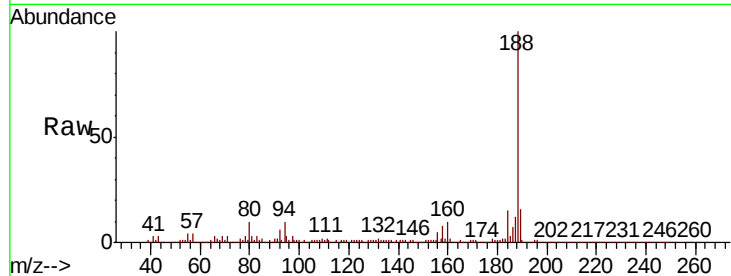
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Instrument :
BNA_F
ClientSampleId :
OK-01-062819

Tot Ion	Ratio	Resp	Lower	Upper
188	100	933026		
94	10.2		8.6	12.8
80	10.4		8.8	13.2

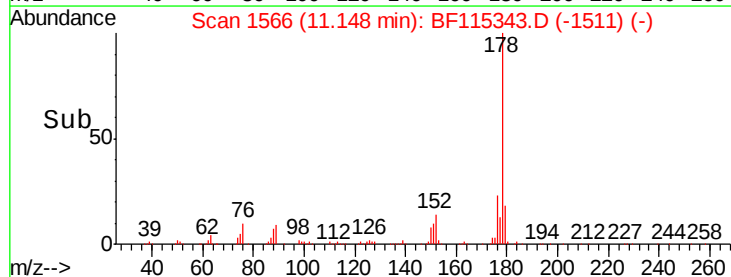
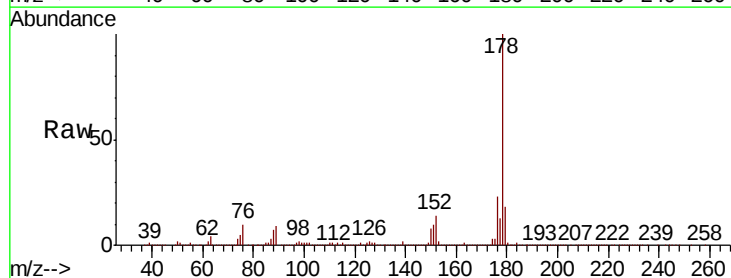
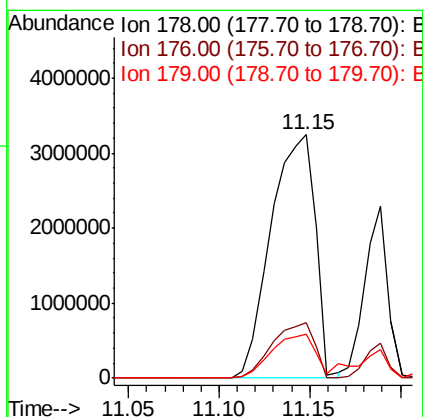
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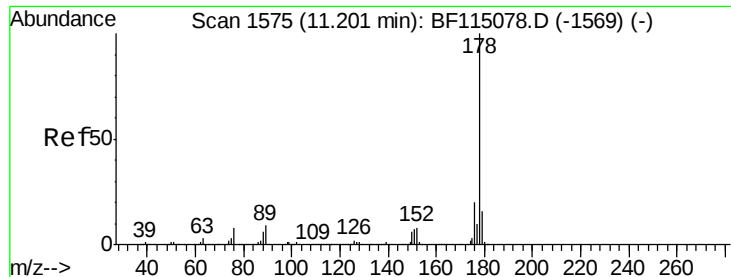
mohammad
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#71
Phenanthrene
Concen: 110.462 ng
RT: 11.15 min Scan# 1566
Delta R.T. 0.02 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	5549103		
176	22.6		16.9	25.3
179	17.8		13.2	19.8





#72

Anthracene

Concen: 38.956 ng

RT: 11.19 min Scan# 1573

Delta R.T. 0.02 min

Lab File: BF115343.D

Acq: 1 Jul 2019 17:27

Instrument :

BNA_F

ClientSampleId :

OK-01-062819

Tot Ion:178 Resp: 1975430

Ion Ratio Lower Upper

178 100

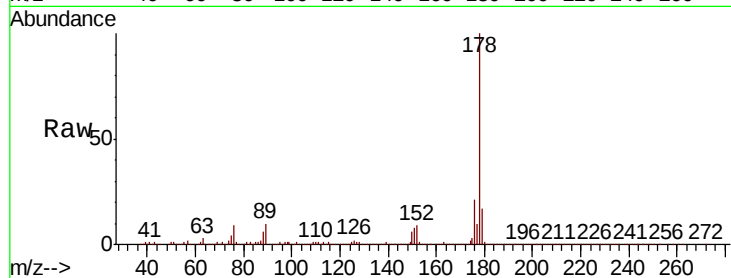
176 20.7 16.1 24.1

179 16.7 12.9 19.3

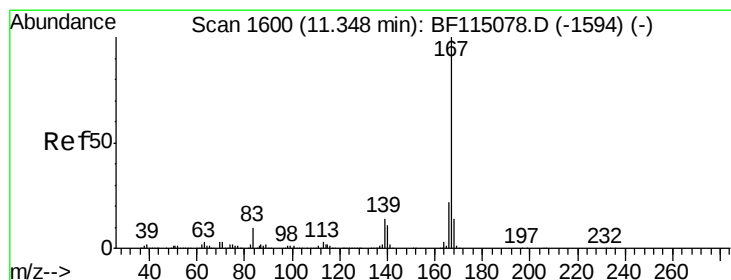
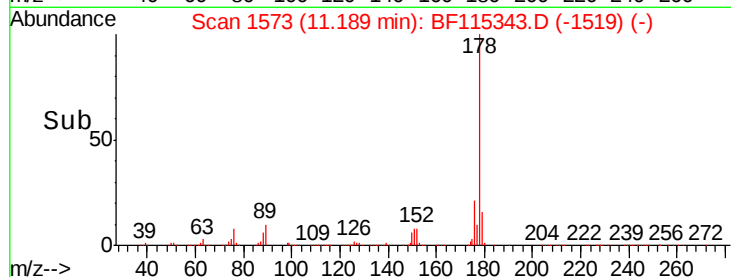
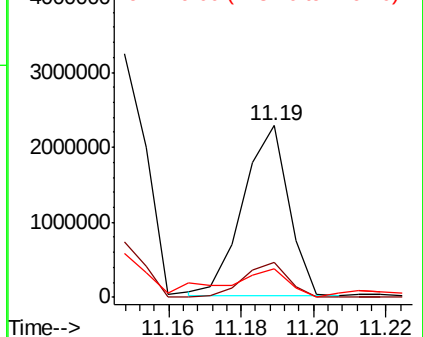
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 20.284 ng

RT: 11.33 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF115343.D

Acq: 1 Jul 2019 17:27

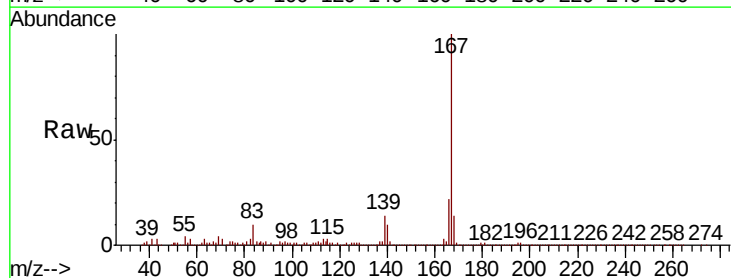
Tgt Ion:167 Resp: 918488

Ion Ratio Lower Upper

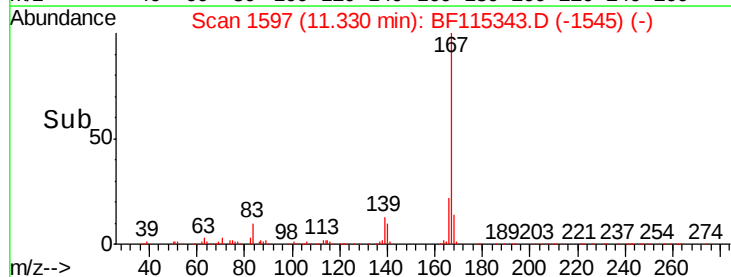
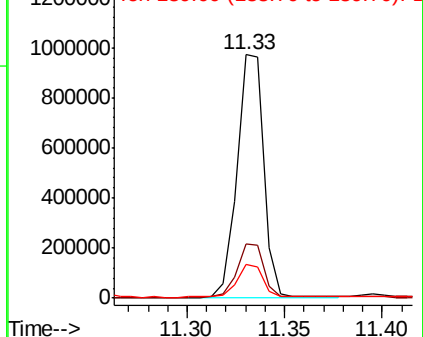
167 100

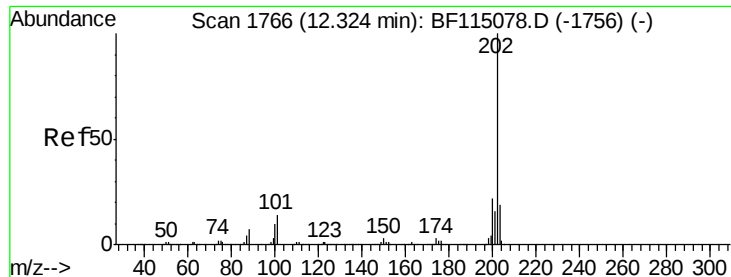
166 22.0 18.0 27.0

139 13.6 11.1 16.7



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: 82.321 ng

RT: 12.33 min Scan# 1767

Delta R.T. 0.03 min

Lab File: BF115343.D

Acq: 1 Jul 2019 17:27

Instrument :

BNA_F

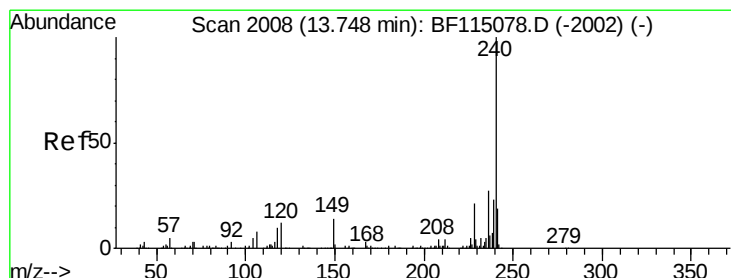
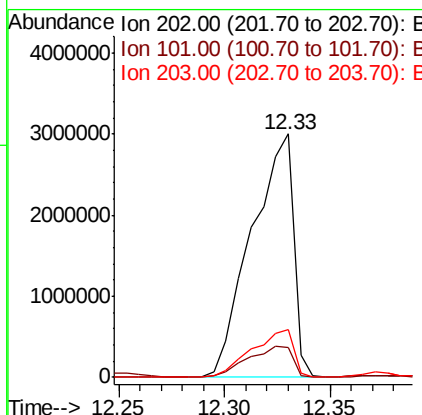
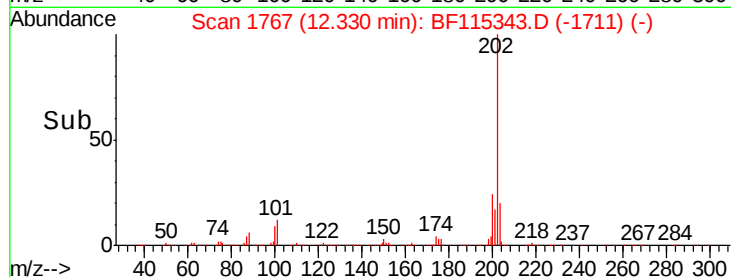
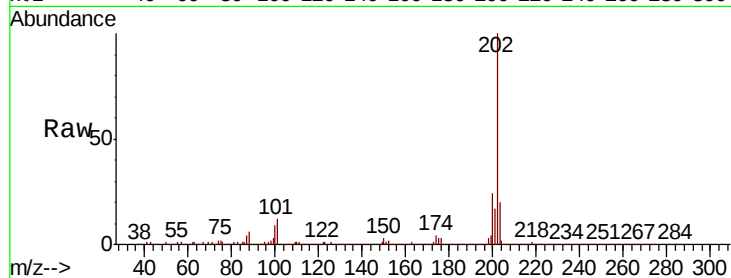
ClientSampleId :

OK-01-062819

Tot Ion:	202	Resp:	4126115
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.0
203	19.6	0.0	38.8

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#76

Chrysene-d12

Concen: 20.000 ng

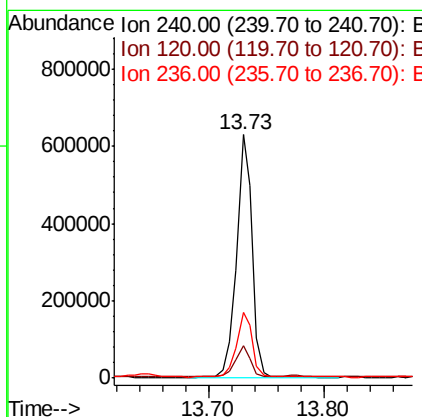
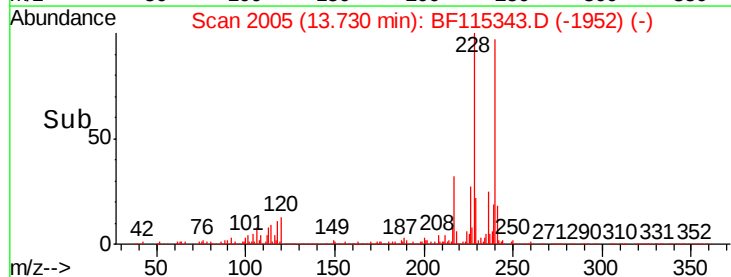
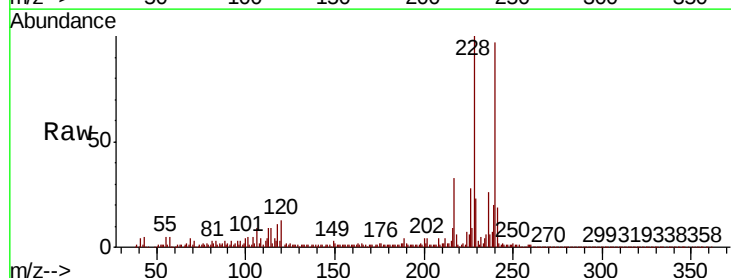
RT: 13.73 min Scan# 2005

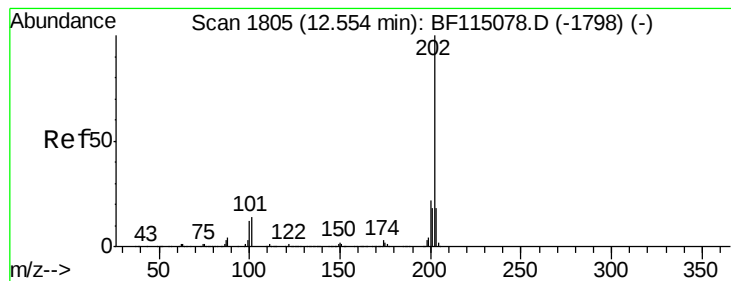
Delta R.T. 0.01 min

Lab File: BF115343.D

Acq: 1 Jul 2019 17:27

Tgt Ion:	240	Resp:	579148
Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.4	14.2
236	26.9	21.7	32.5





#78

Pvrene

Concen: 84.690 ng

RT: 12.55 min Scan# 1805

Delta R.T. 0.03 min

Lab File: BF115343.D

Acq: 1 Jul 2019 17:27

Instrument :

BNA_F

ClientSampleId :

OK-01-062819

Tot Ion:202 Resp: 3769372

Ion Ratio Lower Upper

202 100

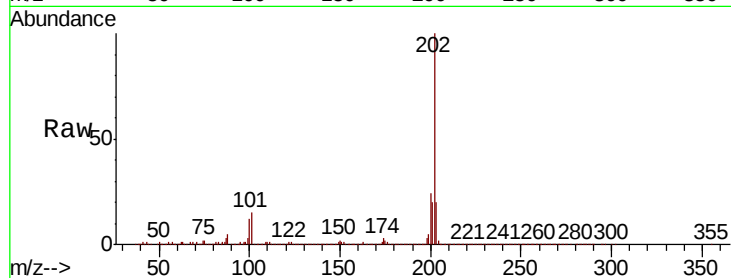
200 24.1 17.9 26.9

203 19.7 14.6 21.8

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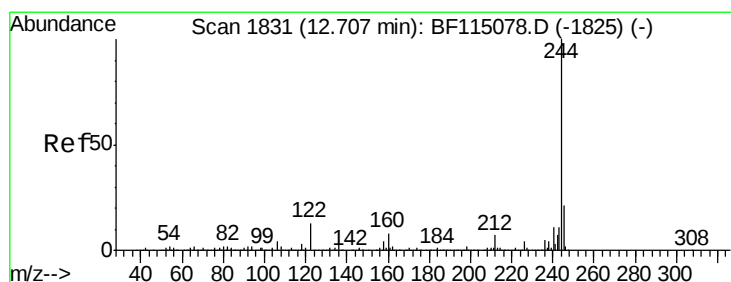
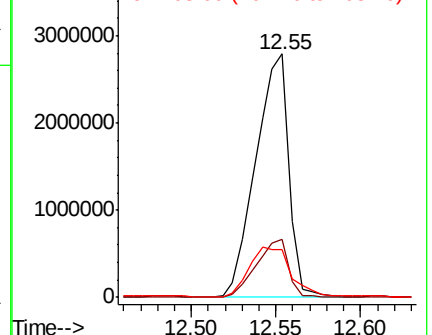
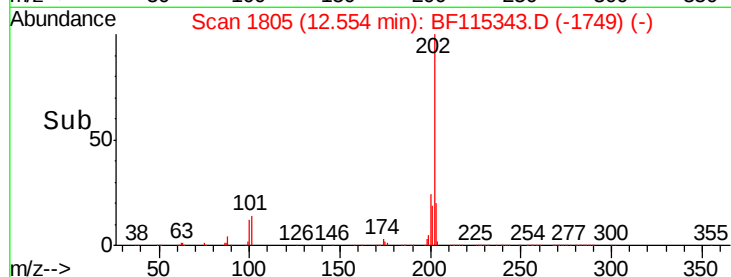
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 39.503 ng

RT: 12.69 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF115343.D

Acq: 1 Jul 2019 17:27

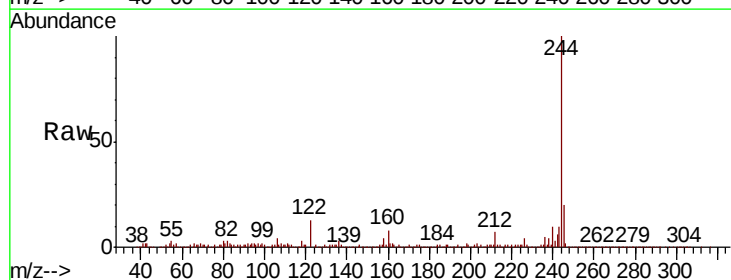
Tgt Ion:244 Resp: 1076026

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

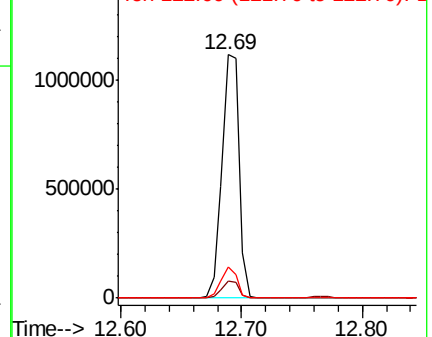
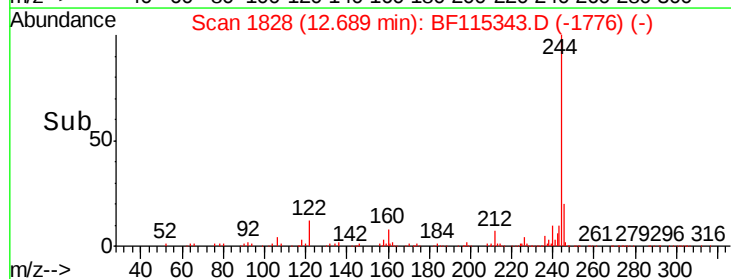
122 13.0 10.4 15.6

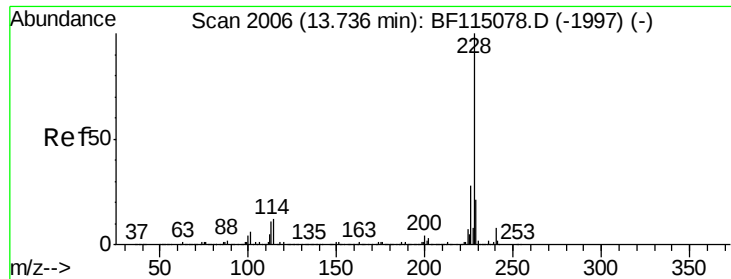


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





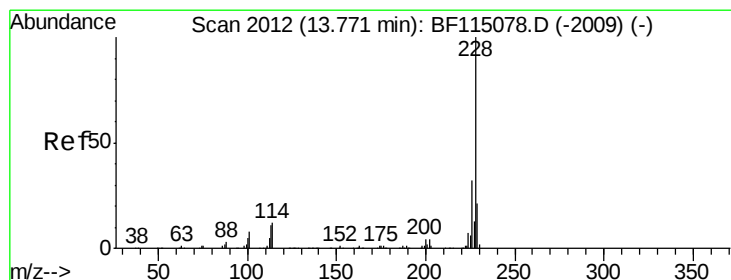
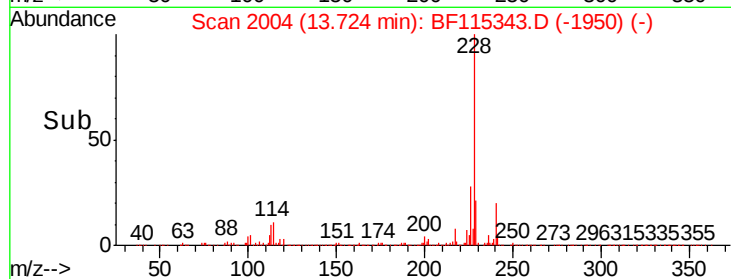
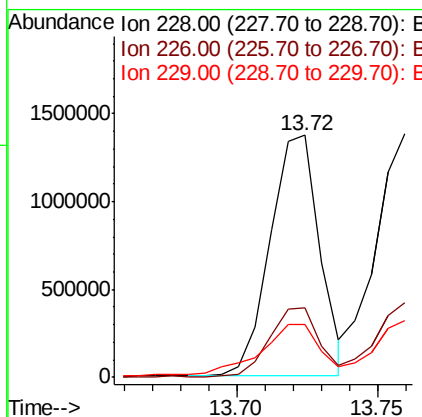
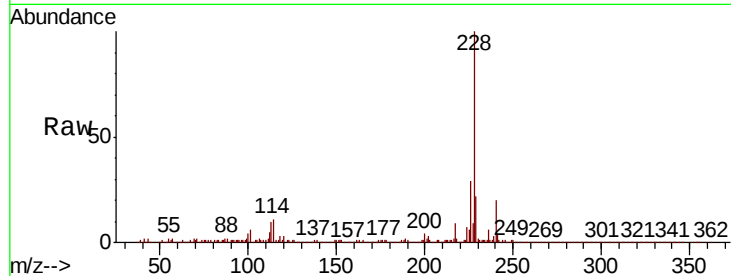
#81
Benzo(a)anthracene
Concen: 40.169 ng
RT: 13.72 min Scan# 2004
Delta R.T. 0.02 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Instrument :
BNA_F
ClientSampleId :
OK-01-062819

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.5	33.7
229	21.9	16.6	24.8

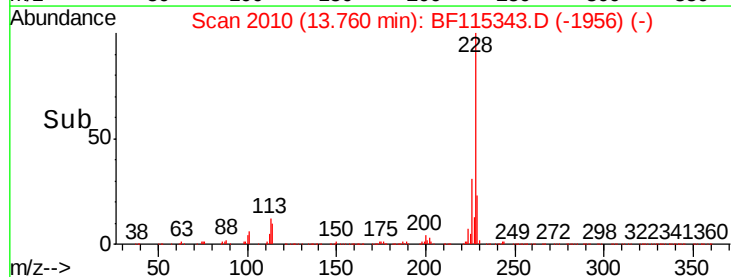
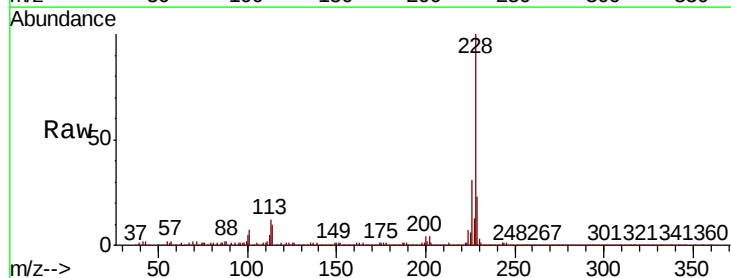
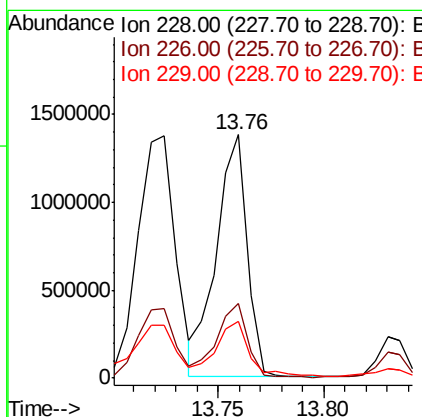
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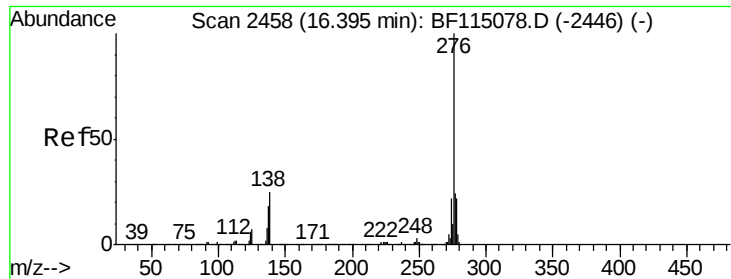
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#83
Chrysene
Concen: 36.666 ng
RT: 13.76 min Scan# 2010
Delta R.T. 0.02 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.4	38.0
229	23.3	16.5	24.7





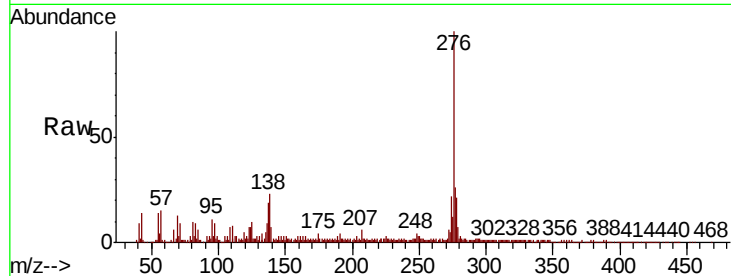
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.733 ng
RT: 16.37 min Scan# 2454
Delta R.T. 0.02 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Instrument :
BNA_F
ClientSampleId :
OK-01-062819

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	23.2	34.8
277	23.8	20.1	30.1

Manual Integrations
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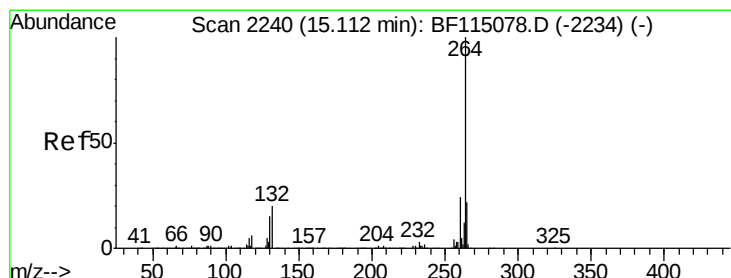
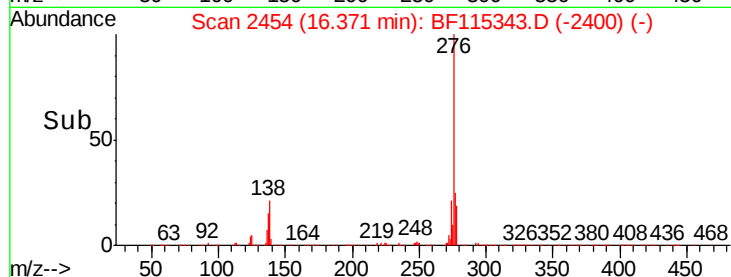
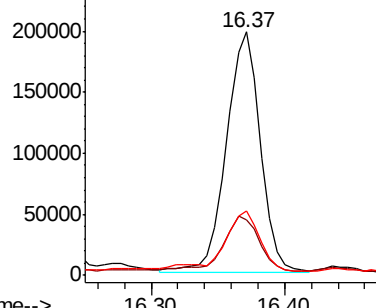


Abundance

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: 15.10 min Scan# 2238
Delta R.T. 0.02 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

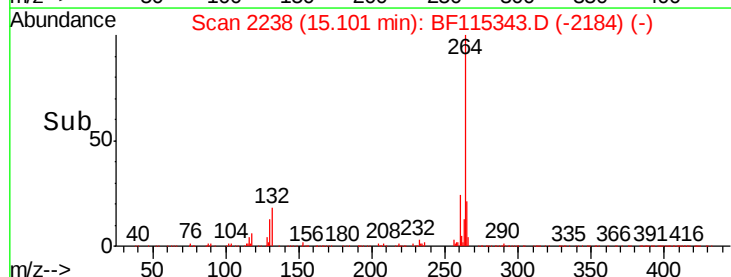
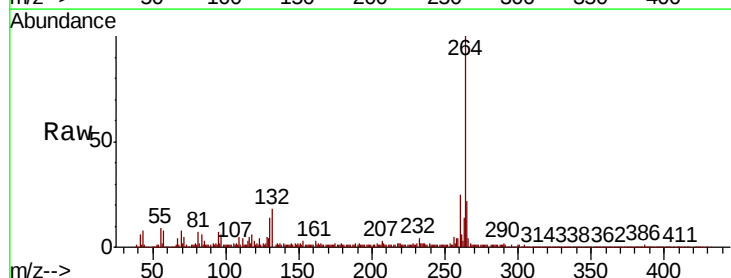
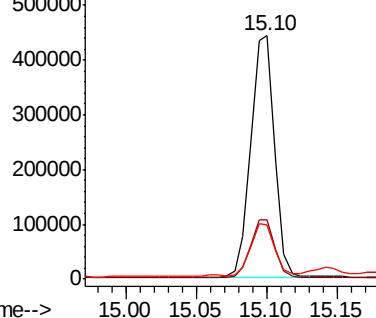
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	22.3	17.3	25.9

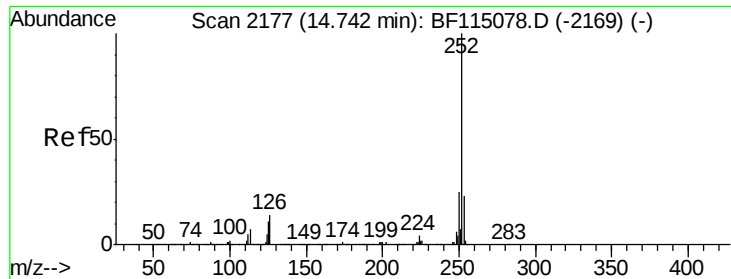
Abundance

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





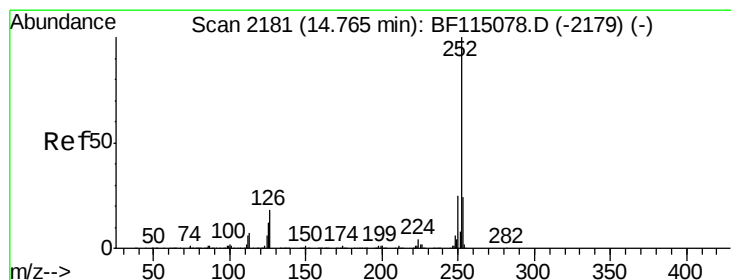
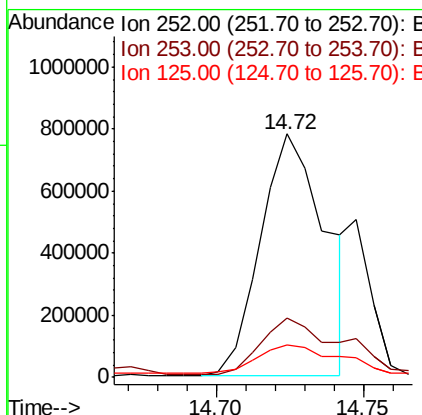
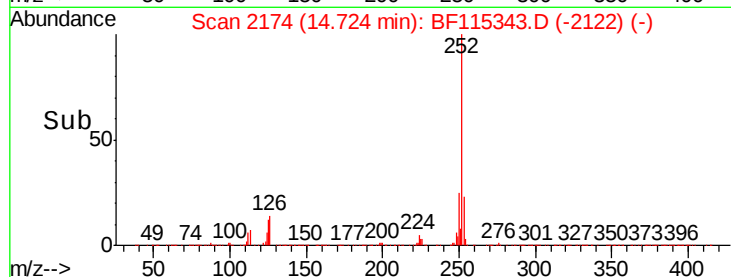
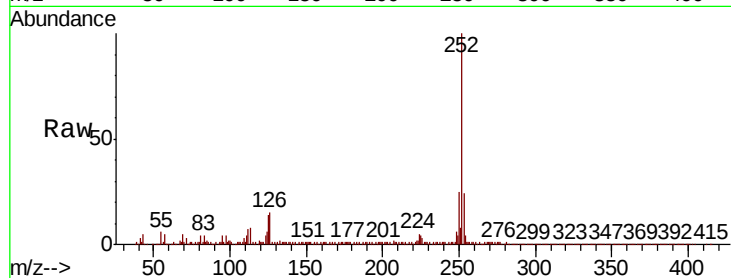
#88
Benzo(b)fluoranthene
Concen: 36.867 ng m
RT: 14.72 min Scan# 2174
Delta R.T. 0.01 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Instrument :
BNA_F
ClientSampleId :
OK-01-062819

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	13.5	8.7	13.1

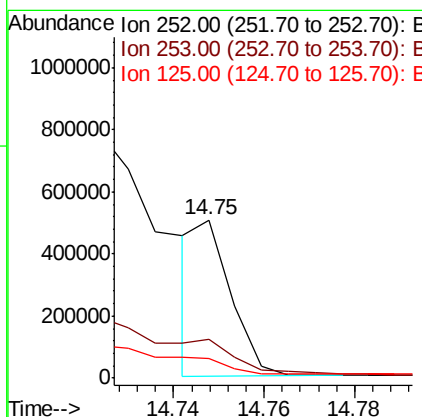
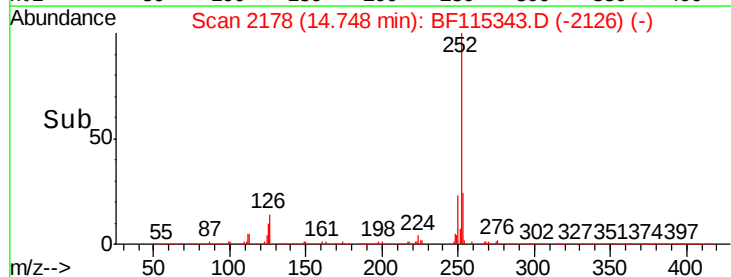
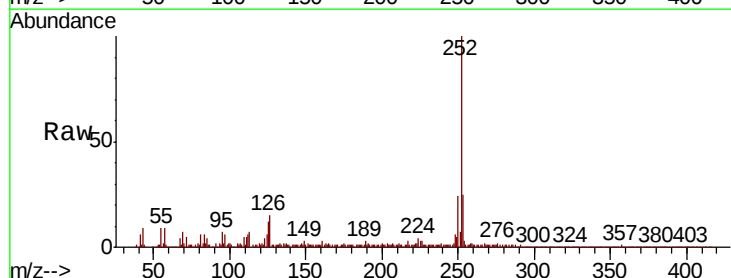
Manual Integrations
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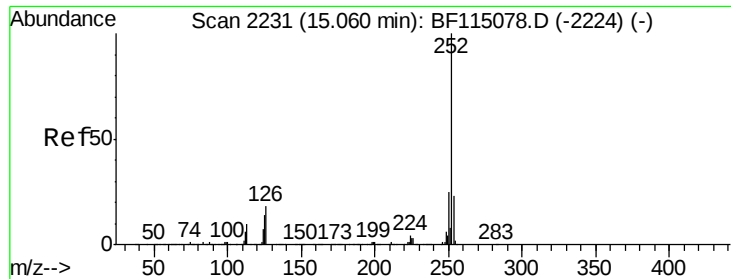
mohammad
7/2/2019 2:53:39 PM



#89
Benzo(k)fluoranthene
Concen: 9.263 ng m
RT: 14.75 min Scan# 2178
Delta R.T. 0.01 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.9	28.3
125	12.3	10.2	15.2





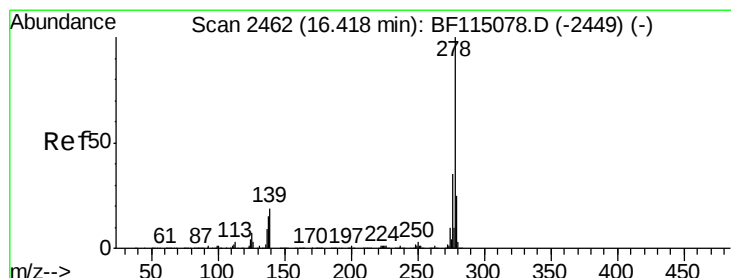
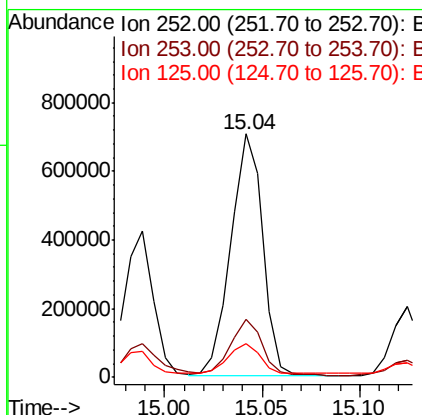
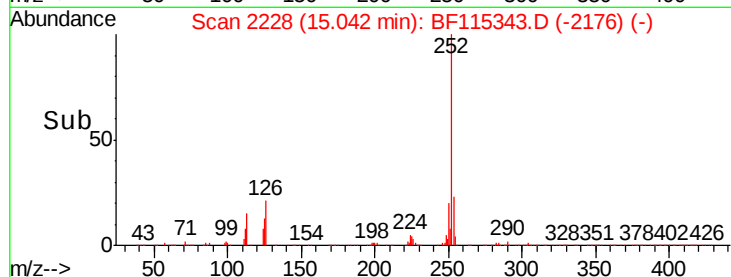
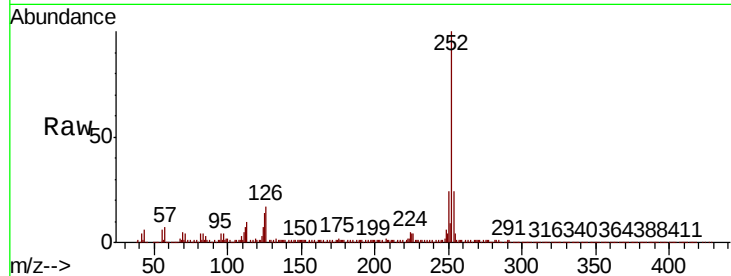
#90
Benzo(a)pyrene
Concen: 27.323 ng
RT: 15.04 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Instrument :
BNA_F
ClientSampleId :
OK-01-062819

Tot Ion:	252	Resp:	798620
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.3	27.5
125	13.8	10.9	16.3

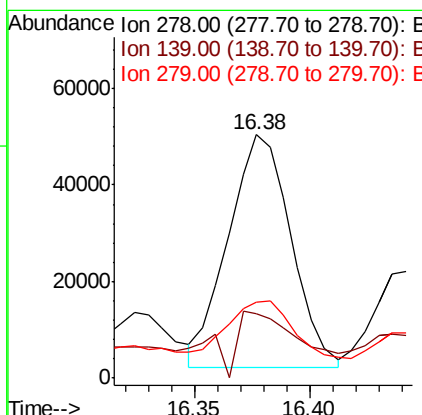
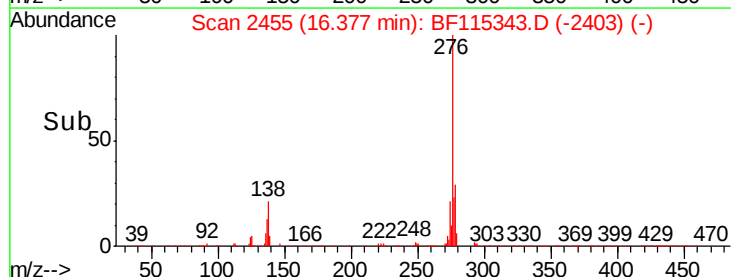
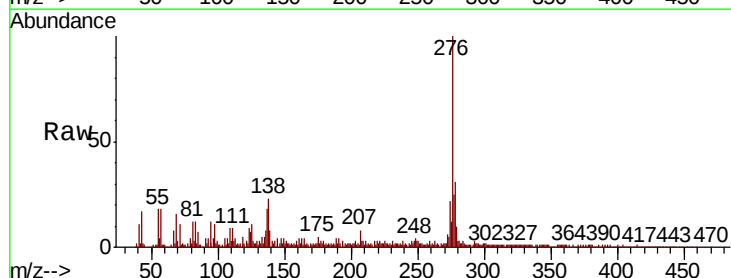
Manual Integrations
APPROVED

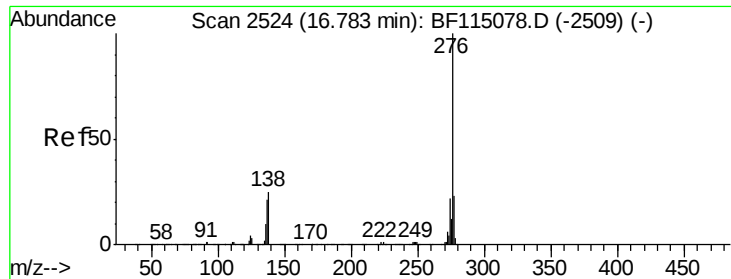
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 3.342 ng
RT: 16.38 min Scan# 2455
Delta R.T. 0.01 min
Lab File: BF115343.D
Acq: 1 Jul 2019 17:27

Tgt Ion:	278	Resp:	91189
Ion Ratio	Lower	Upper	
278	100		
139	26.5	15.4	23.2#
279	31.3	19.9	29.9#





#92
 Benzo(a,h,i)perylene
 Concen: 10.248 ng
 RT: 16.75 min Scan# 2519
 Delta R.T. 0.02 min
 Lab File: BF115343.D
 Acq: 1 Jul 2019 17:27

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-062819

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	23.1	19.8	29.6

Manual Integrations
 APPROVED

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