

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072419\
 Data File : BF115751.D
 Acq On : 24 Jul 2019 15:39
 Operator : HP/JU
 Sample : K3943-01DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-71619DL

Manual Integrations
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 7/25/2019 2:17:33 PM

Quant Time: Jul 24 17:12:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 24 16:36:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	100140	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	408193	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	209369	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	318922	20.00	ng	0.00
76) Chrysene-d12	14.03	240	253587	20.00	ng	0.00
87) Perylene-d12	15.50	264	298404	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	74116	12.11	ng	-0.01
7) Phenol-d6	6.49	99	101704	13.09	ng	-0.02
23) Nitrobenzene-d5	7.43	82	61542	8.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	25306	10.36	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	141568	11.83	ng	-0.01
79) Terphenyl-d14	12.97	244	128898	9.38	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	201656	10.201	ng	97
37) 2-Methylnaphthalene	8.86	142	151264	11.543	ng	98
38) 1-Methylnaphthalene	8.96	142	129437	10.399	ng	98
49) Acenaphthylene	9.77	152	141703	7.017	ng	98
52) Acenaphthene	9.94	154	79014	6.060	ng	96
55) Dibenzofuran	10.11	168	62511	3.376	ng	# 92
58) Fluorene	10.45	166	179474	13.559	ng	97
71) Phenanthrene	11.42	178	1047263	64.062	ng	99
72) Anthracene	11.47	178	224498	13.288	ng	97
75) Fluoranthene	12.61	202	854543	49.467	ng	98
78) Pyrene	12.84	202	1053054	49.014	ng	99
81) Benzo(a)anthracene	14.02	228	477287m	28.569	ng	
83) Chrysene	14.06	228	464318	27.686	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	204712	14.368	ng	95
88) Benzo(b)fluoranthene	15.07	252	484103m	25.194	ng	
89) Benzo(k)fluoranthene	15.10	252	160119m	9.347	ng	
90) Benzo(a)pyrene	15.44	252	381296	23.088	ng	97
91) Dibenzo(a,h)anthracene	16.98	278	55902	3.856	ng	# 86
92) Benzo(a,h,i)perylene	17.42	276	207269	14.334	ng	99

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

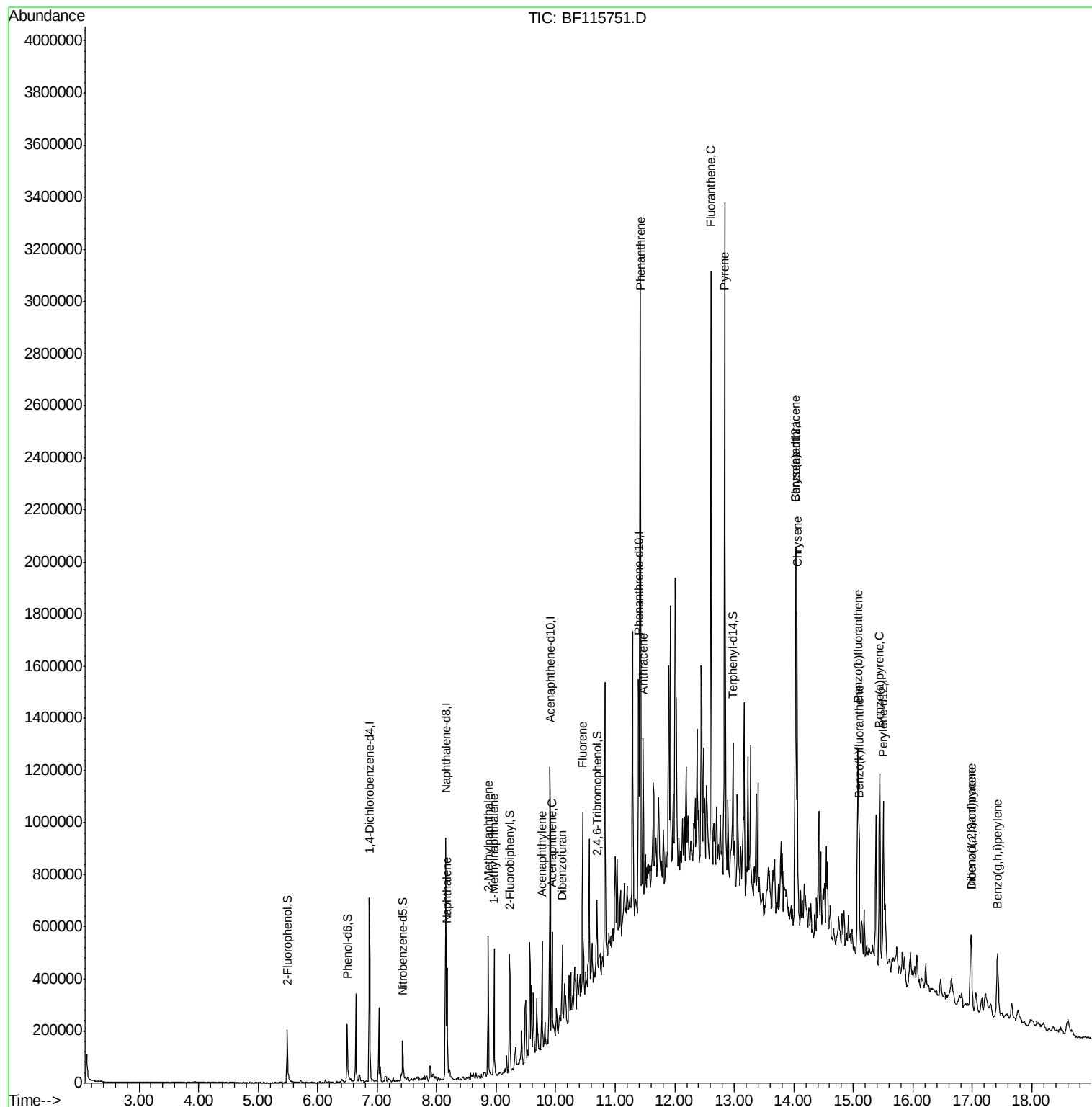
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072419\
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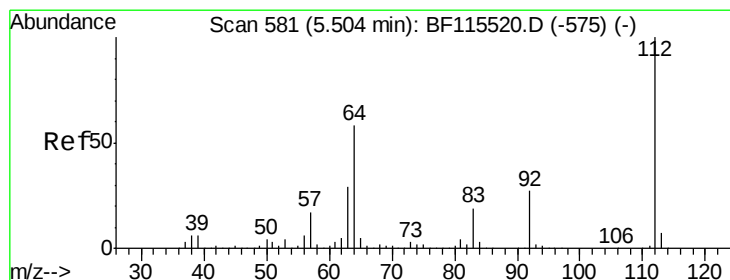
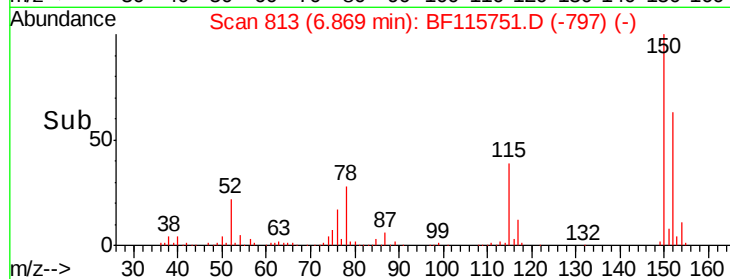
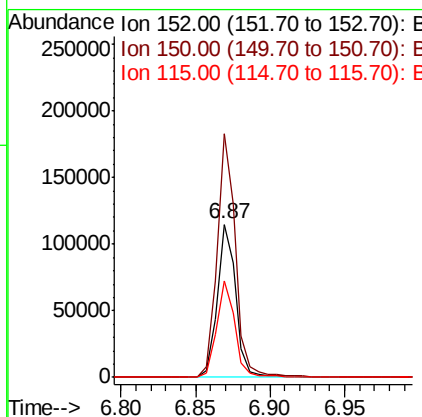
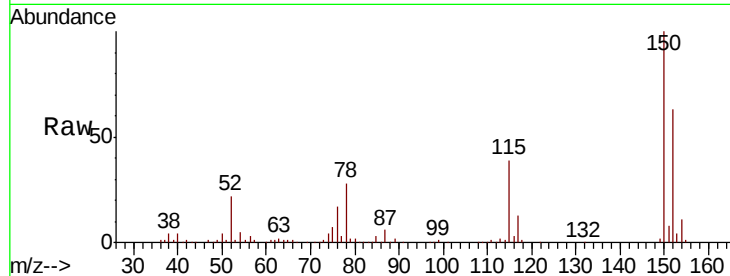
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF115751.D
 Acq: 24 Jul 2019 15:39

Instrument :
 BNA_F
 ClientSampleID :
 PA-71619DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	122.8	184.2
115	62.7	48.2	72.2

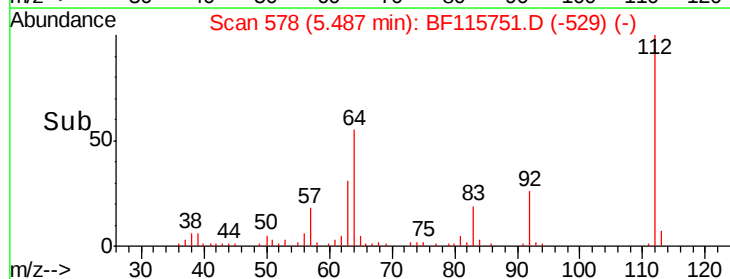
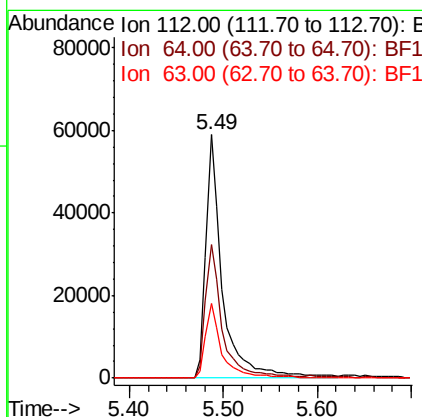
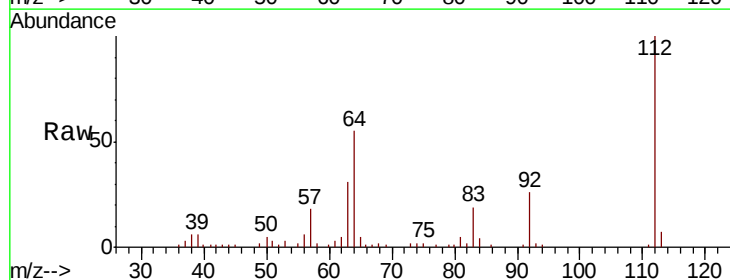
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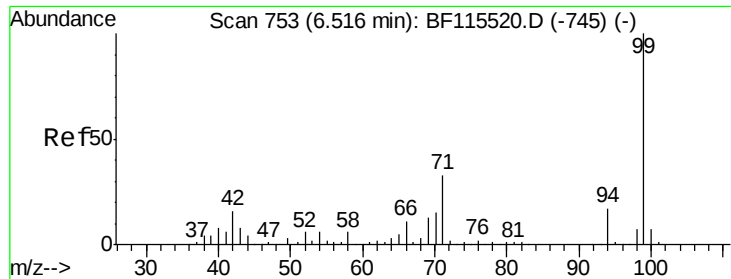
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#5
 2-Fluorophenol
 Concen: 12.106 ng
 RT: 5.49 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF115751.D
 Acq: 24 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	43.8	65.8
63	30.7	22.5	33.7





#7

Phenol-d6

Concen: 13.092 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF115751.D

Acq: 24 Jul 2019 15:39

Instrument :

BNA_F

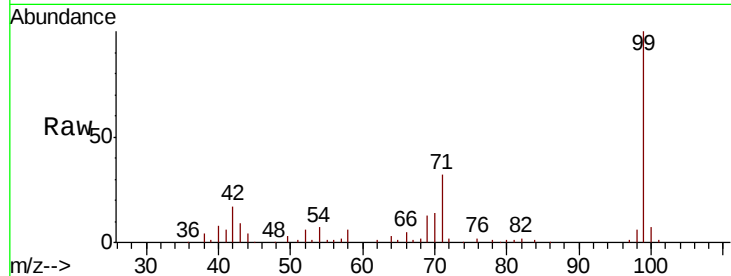
ClientSampled :

PA-71619DL

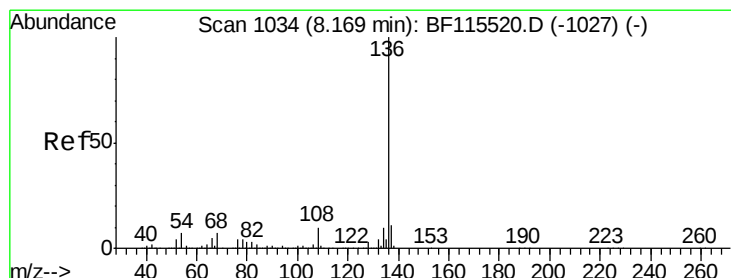
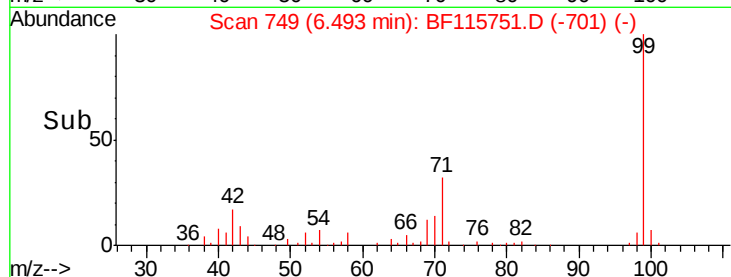
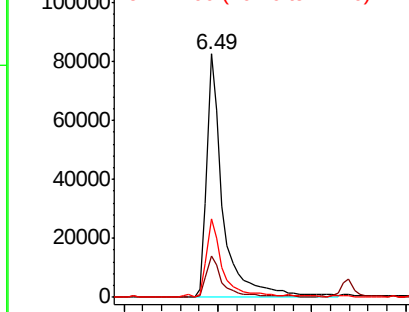
Tot Ion:	99	Resp:	101704
Ion Ratio	Lower	Upper	
99	100		
42	16.9	13.0	19.4
71	32.1	25.9	38.9

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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: 8.15 min Scan# 1031

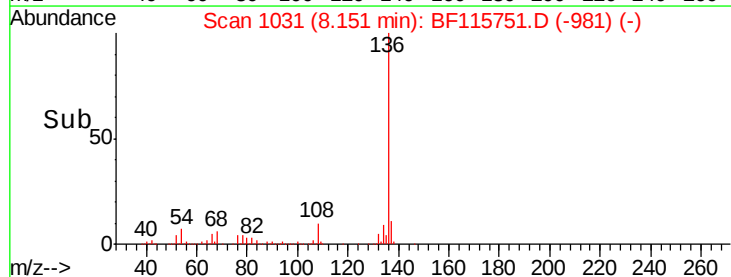
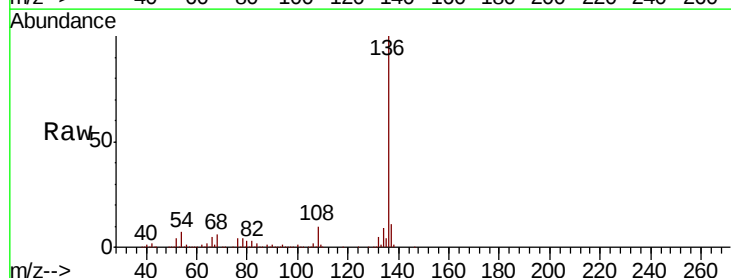
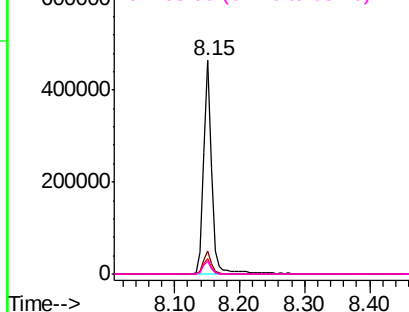
Delta R.T. -0.01 min

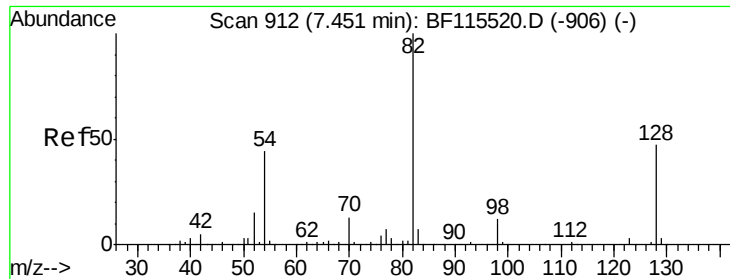
Lab File: BF115751.D

Acq: 24 Jul 2019 15:39

Tgt Ion:	136	Resp:	408193
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	7.0	5.4	8.0
68	6.0	4.9	7.3

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





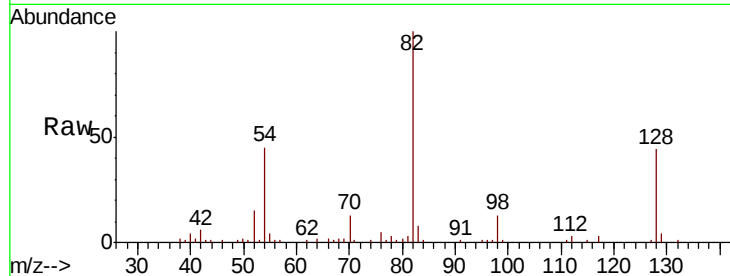
#23
Nitrobenzene-d5
Concen: 8.767 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Instrument :
BNA_F
ClientSampleId :
PA-71619DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	38.0	57.0
54	44.8	35.6	53.4

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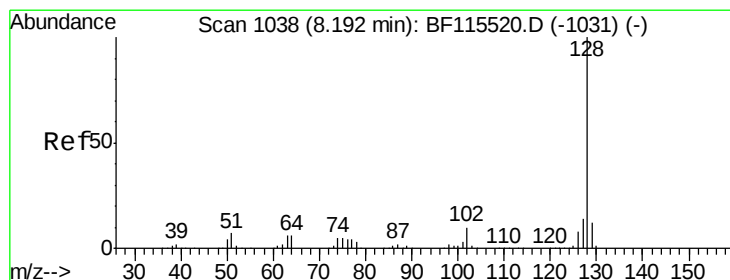
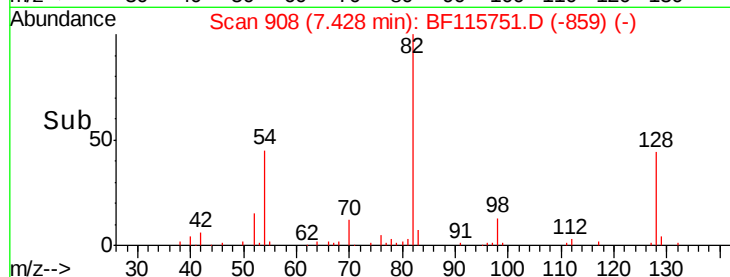
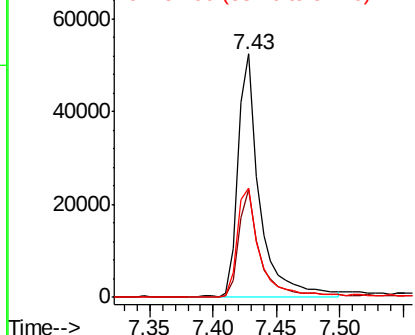


Abundance

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: 10.201 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

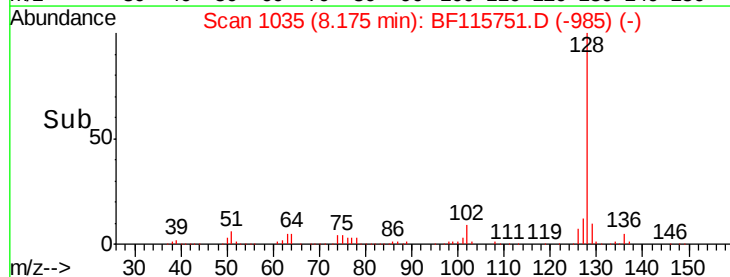
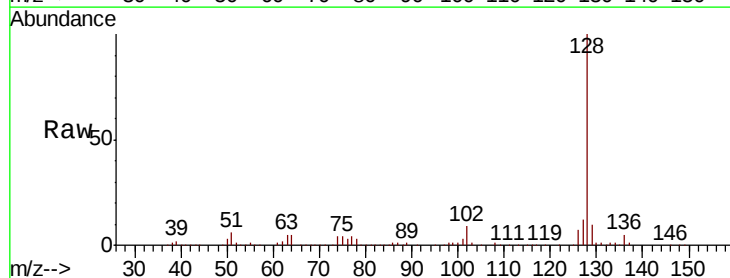
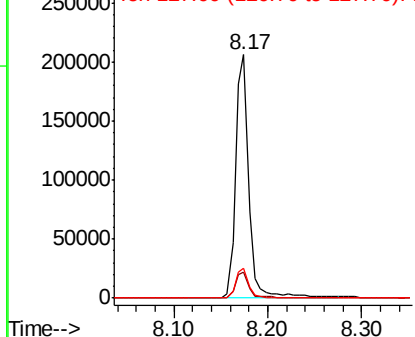
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.4	14.0
127	12.5	11.0	16.6

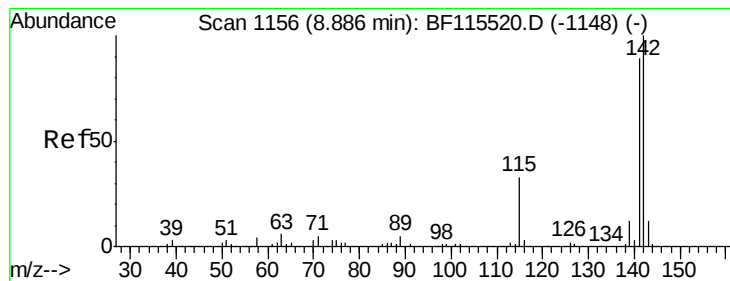
Abundance

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





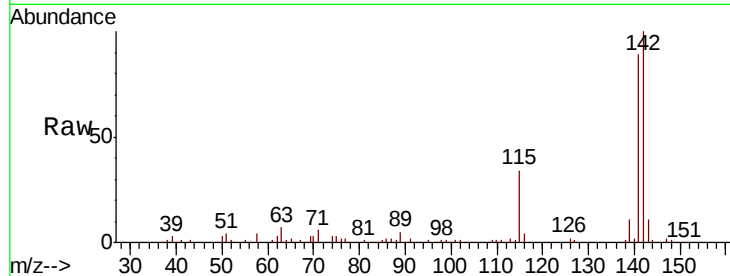
#37
2-Methylnaphthalene
Concen: 11.543 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Instrument :
BNA_F
ClientSampleId :
PA-71619DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.4	105.6
115	34.0	28.2	42.2

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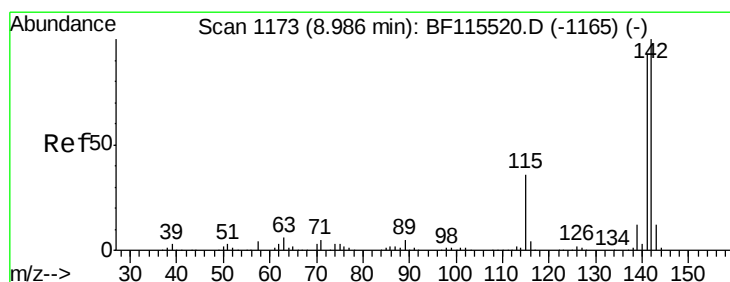
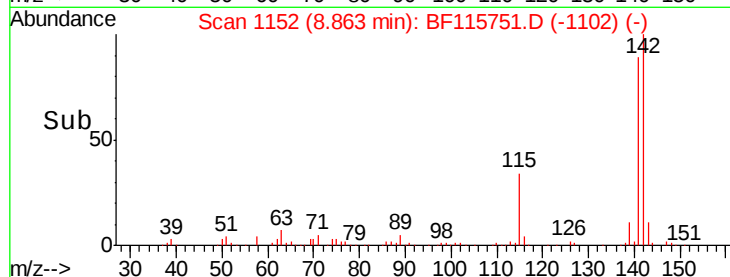
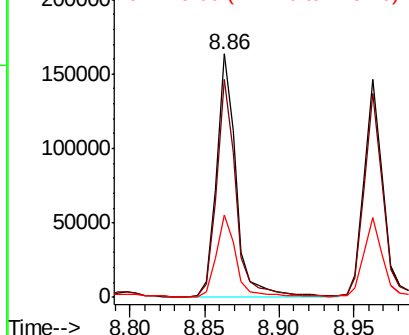


Abundance

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: 10.399 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

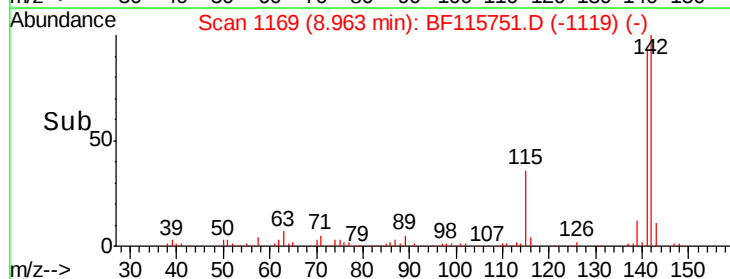
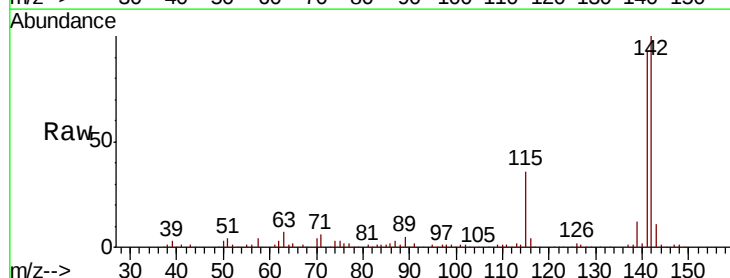
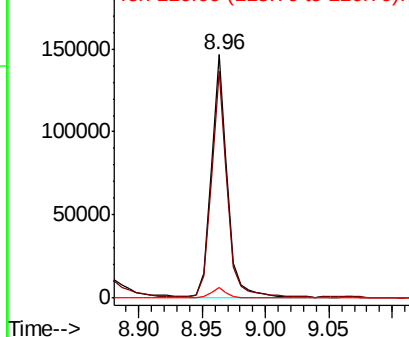
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.3	72.9	109.3
116	4.1	3.0	4.4

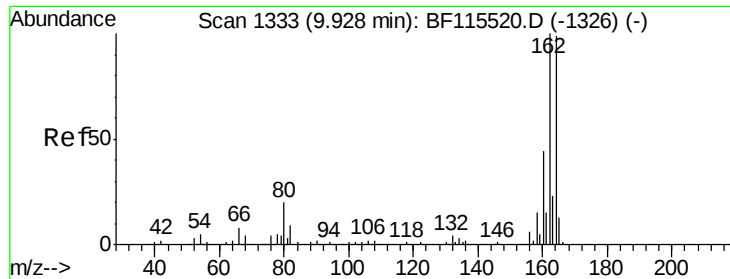
Abundance

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





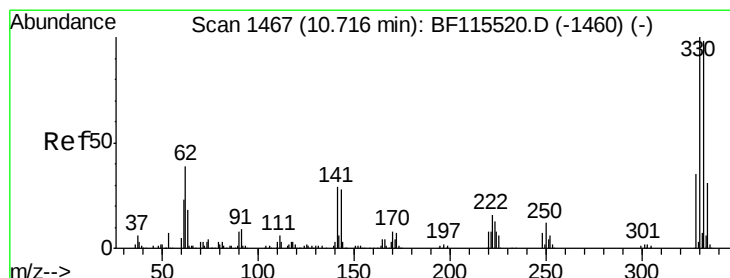
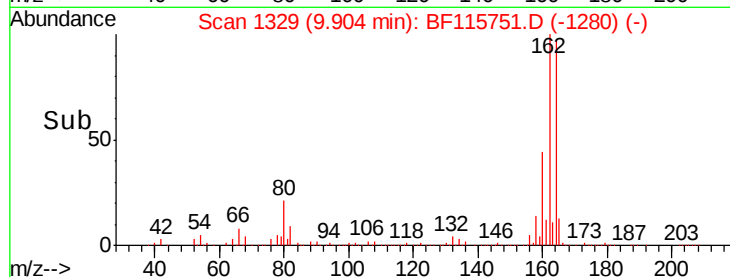
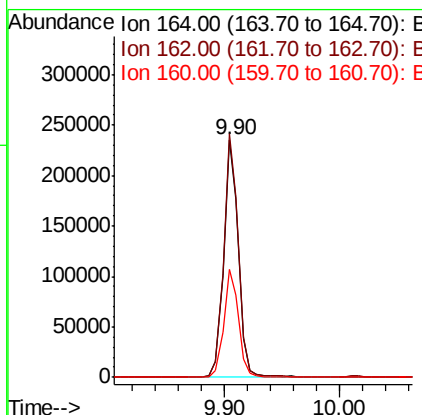
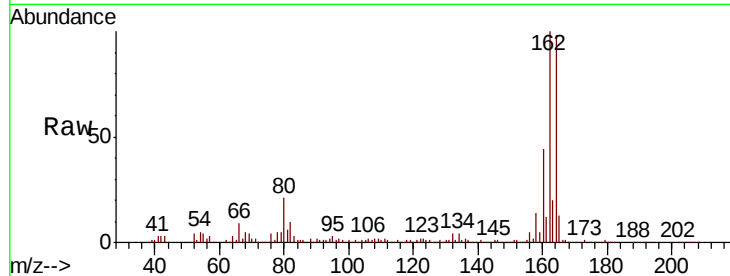
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Instrument :
BNA_F
ClientSampleId :
PA-71619DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.8	122.8
160	45.2	37.8	56.8

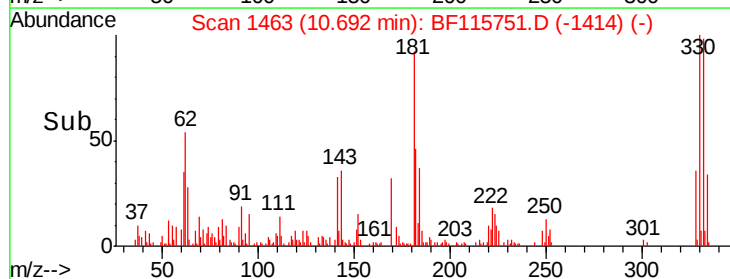
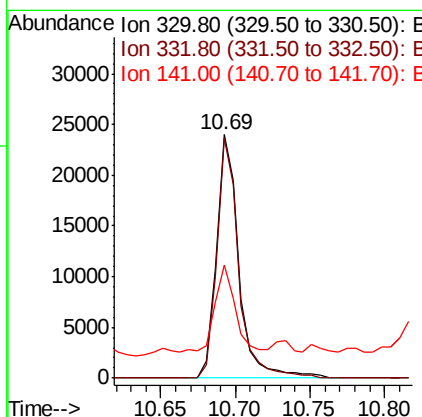
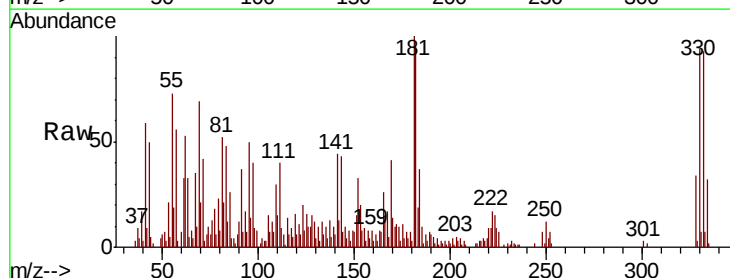
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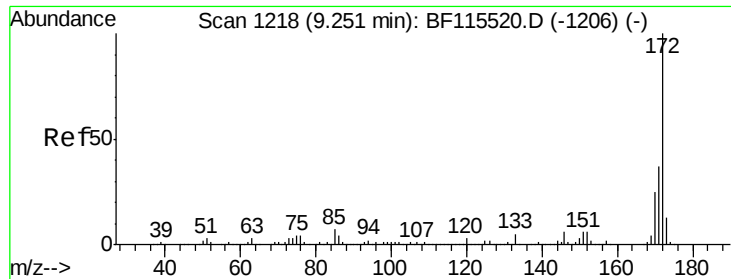
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#42
2,4,6-Tribromophenol
Concen: 10.355 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.7	115.1
141	31.1	25.6	38.4





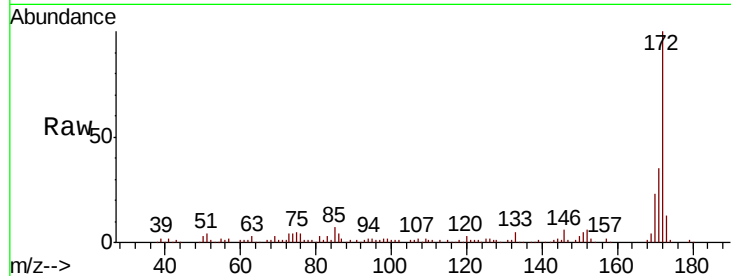
#45
2-Fluorobiphenyl
Concen: 11.835 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Instrument :
BNA_F
ClientSampleId :
PA-71619DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.1	29.5	44.3	
170	23.2	20.0	30.0	

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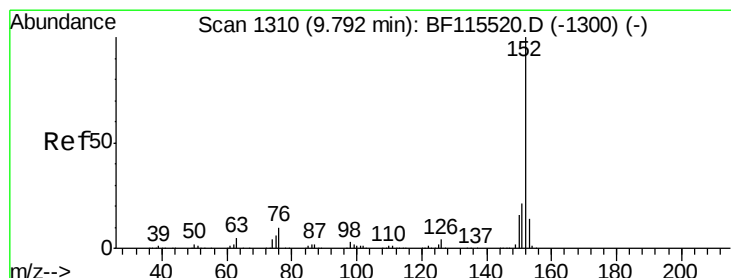
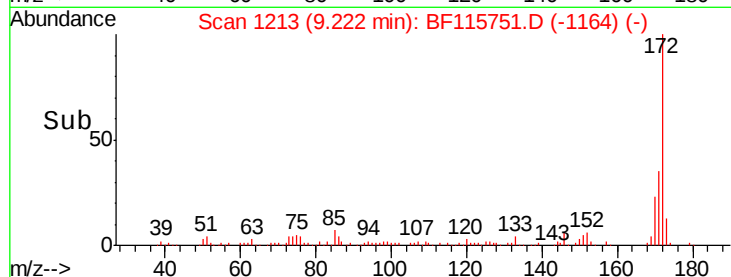
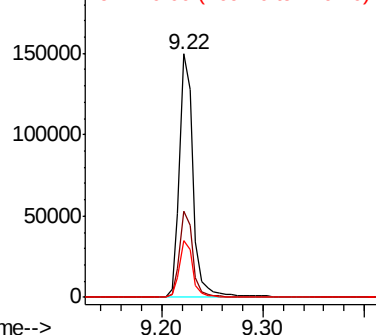


Abundance

Ion 172.00 (171.70 to 172.70): E

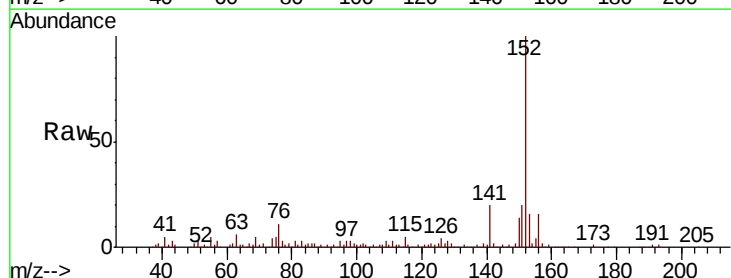
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Acenaphthylene
Concen: 7.017 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	20.4	16.9	25.3	
153	15.5	11.5	17.3	

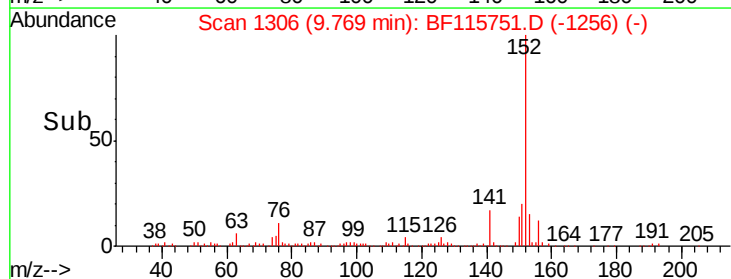
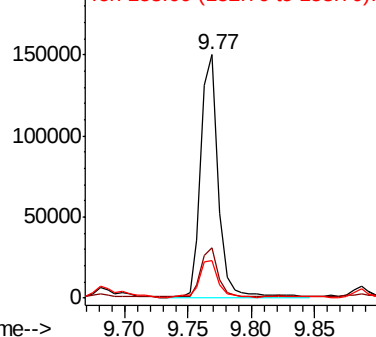


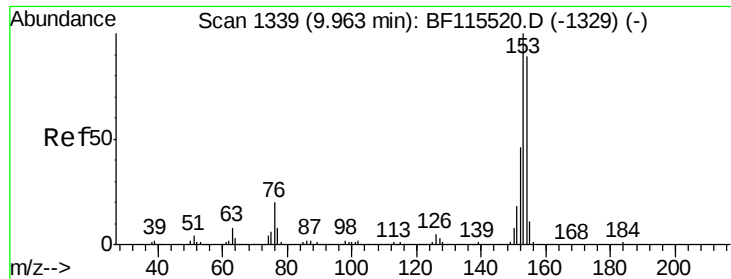
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#52

Acenaphthene

Concen: 6.060 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF115751.D

Acq: 24 Jul 2019 15:39

Instrument :

BNA_F

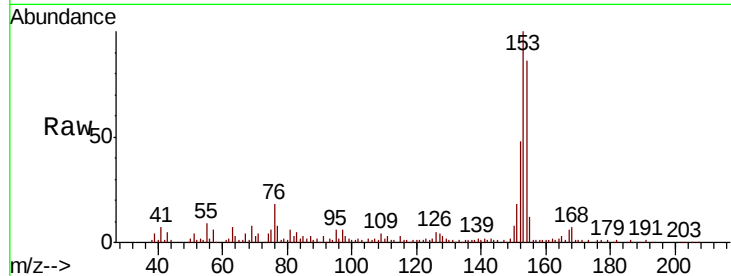
ClientSampled :

PA-71619DL

Tot Ion:	154	Resp:	79014
Ion Ratio	Lower	Upper	
154	100		
153	116.1	89.5	134.3
152	56.0	42.2	63.4

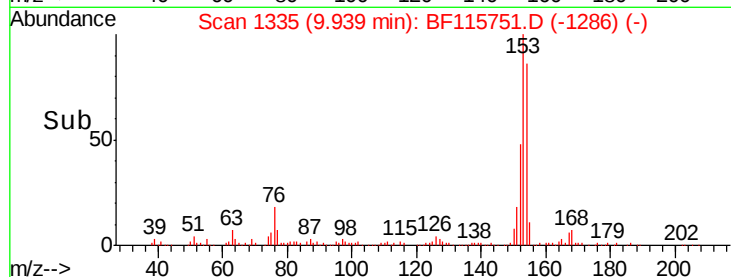
Manual Integrations
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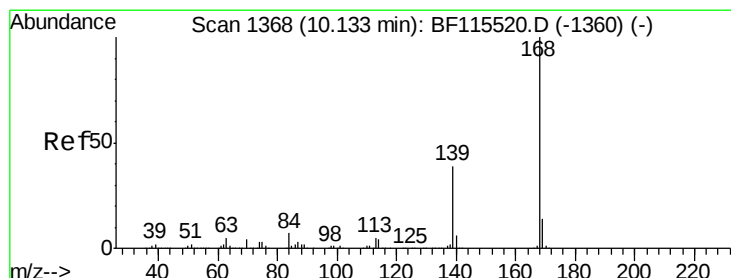


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

9.94



Time-->



#55

Dibenzofuran

Concen: 3.376 ng

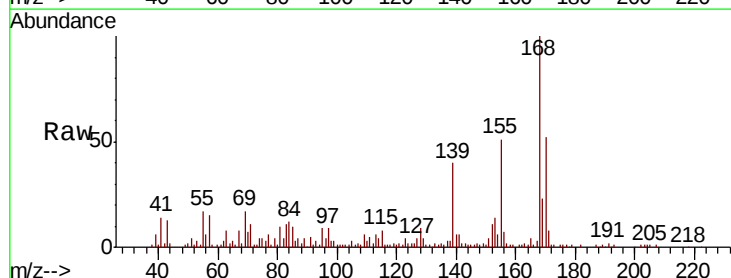
RT: 10.11 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BF115751.D

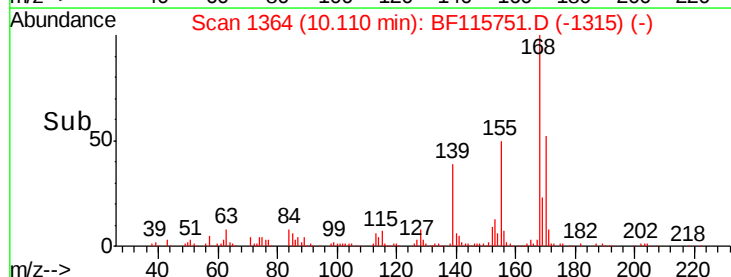
Acq: 24 Jul 2019 15:39

Tgt Ion:	168	Resp:	62511
Ion Ratio	Lower	Upper	
168	100		
139	40.0	30.3	45.5
169	22.7	11.0	16.6#

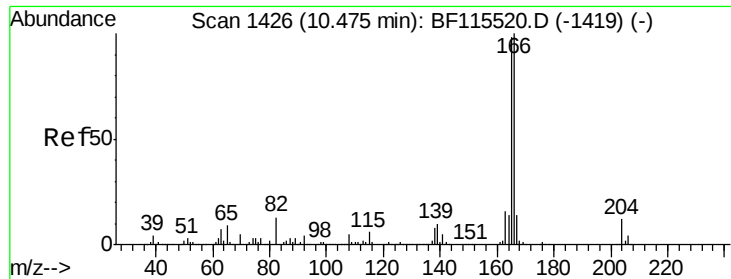


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

10.11



Time-->



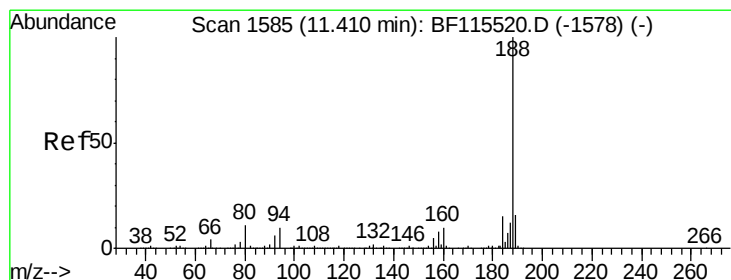
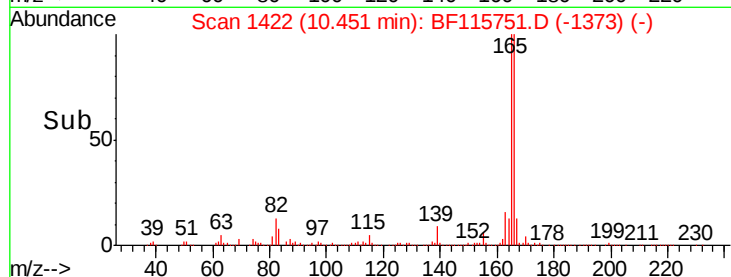
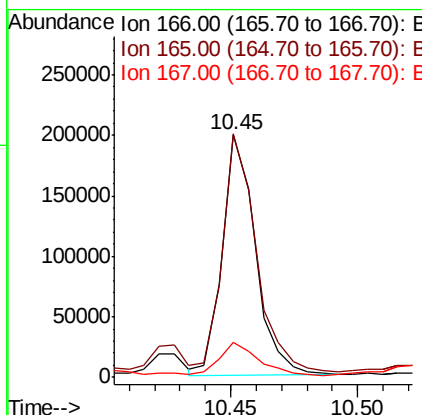
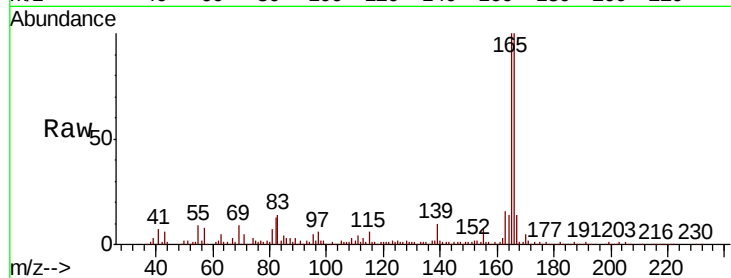
#58
 Fluorene
 Concen: 13.559 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF115751.D
 Acq: 24 Jul 2019 15:39

Instrument :
 BNA_F
 ClientSampled :
 PA-71619DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		179474		
165	100.4	78.1	117.1		
167	14.2	10.9	16.3		

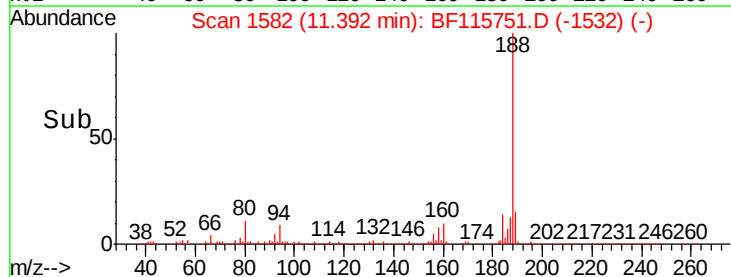
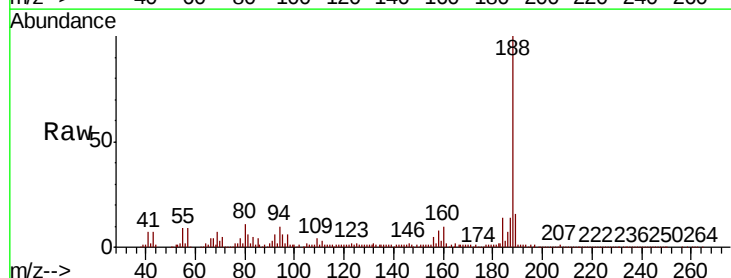
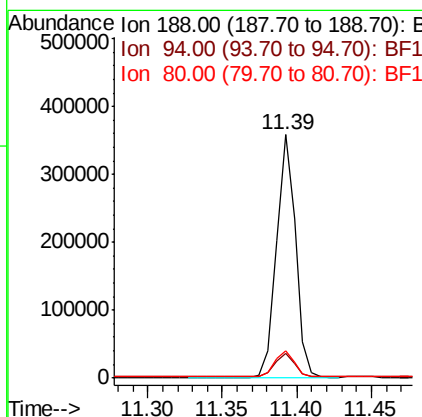
Manual Integrations
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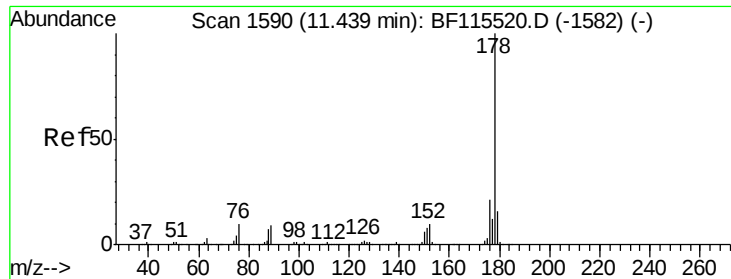
mohammad
 7/25/2019 2:17:33 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF115751.D
 Acq: 24 Jul 2019 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		318922		
94	10.1	8.1	12.1		
80	11.1	8.4	12.6		





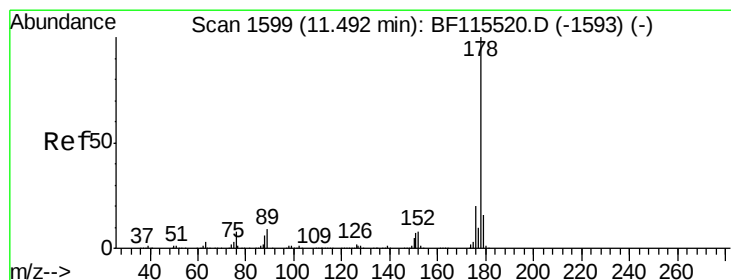
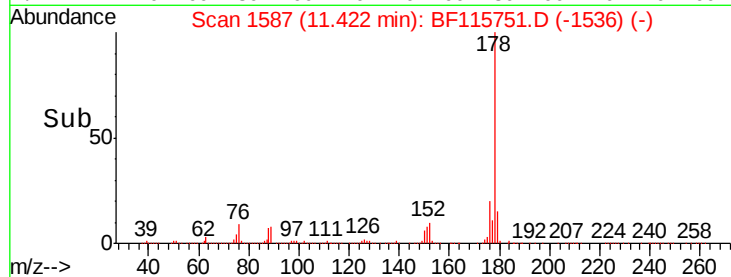
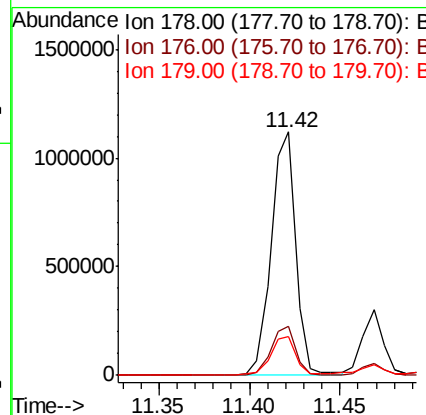
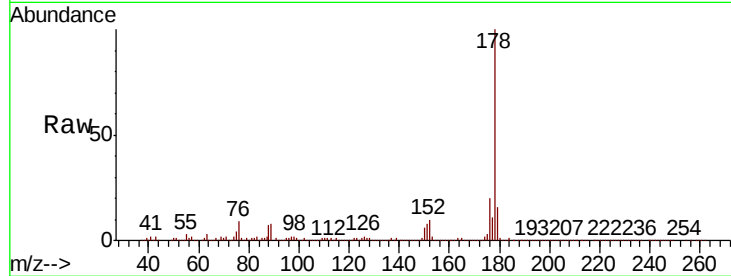
#71
Phenanthrene
Concen: 64.062 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.00 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Instrument :
BNA_F
ClientSampled :
PA-71619DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.2	24.4
179	15.8	13.0	19.6

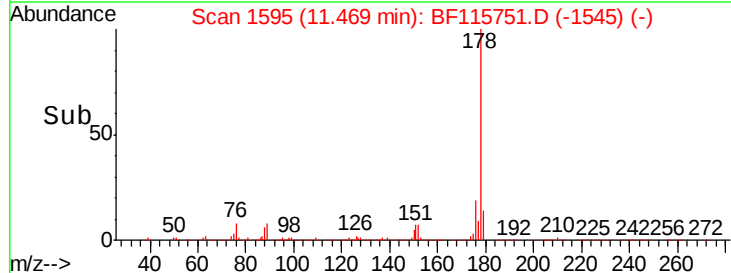
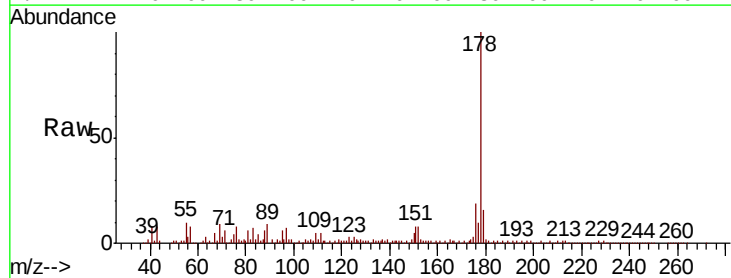
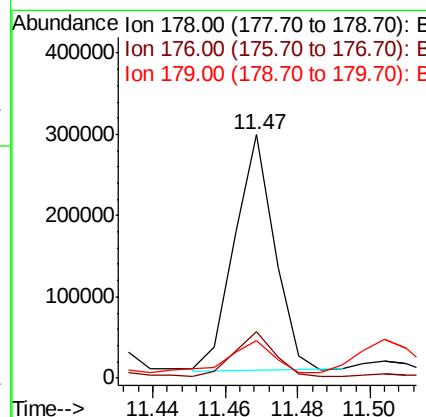
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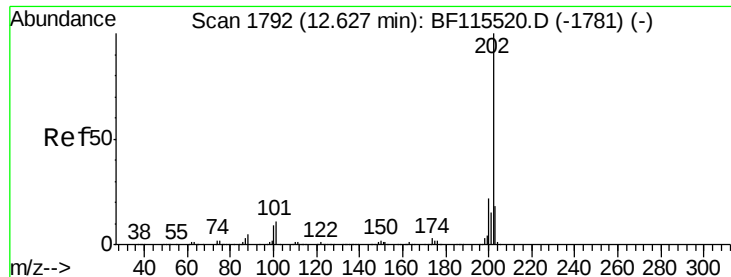
mohammad
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#72
Anthracene
Concen: 13.288 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	15.6	13.1	19.7





#75

Fluoranthene

Concen: 49.467 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF115751.D

Acq: 24 Jul 2019 15:39

Instrument :

BNA_F

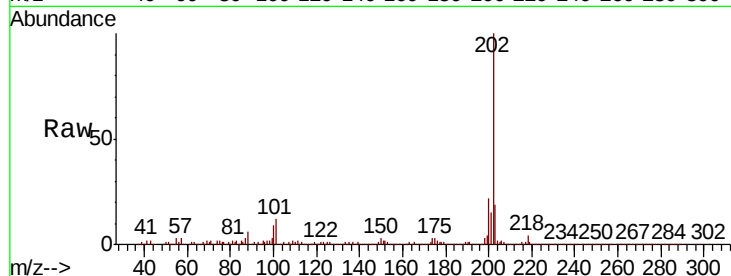
ClientSampled :

PA-71619DL

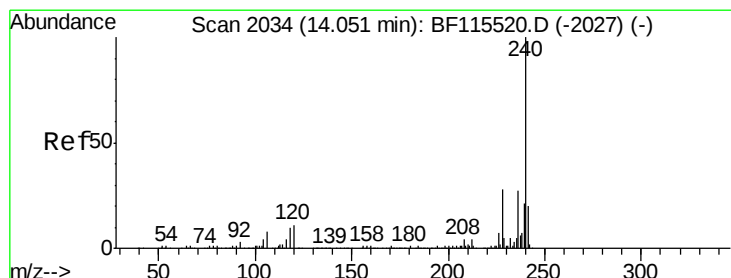
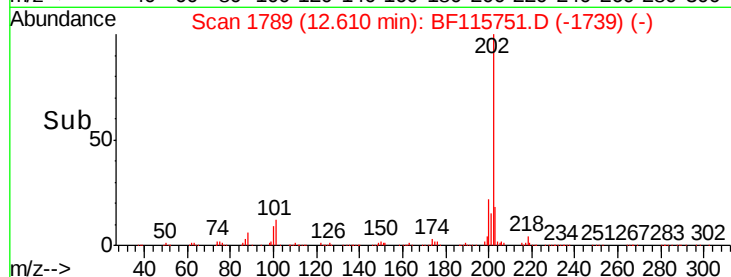
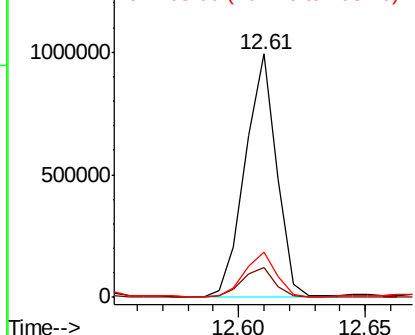
Tot Ion:	202	Resp:	854543
Ion Ratio		Lower	Upper
202	100		
101	12.3	0.0	31.1
203	18.5	0.0	37.7

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

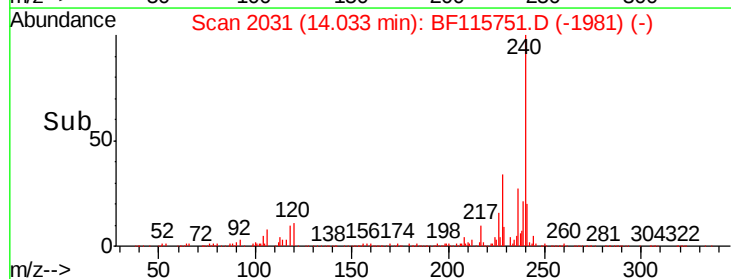
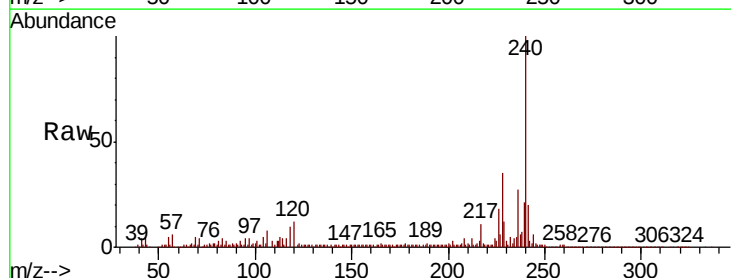
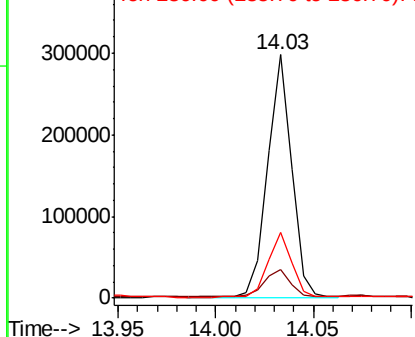
Delta R.T. -0.01 min

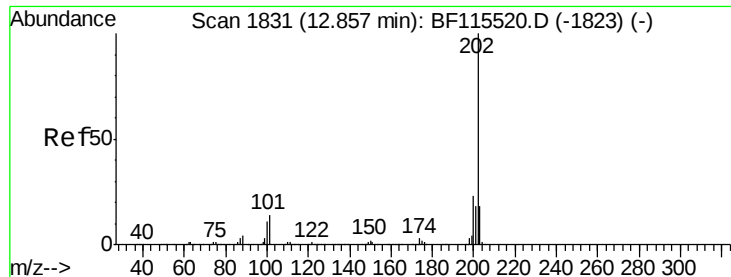
Lab File: BF115751.D

Acq: 24 Jul 2019 15:39

Tgt Ion:	240	Resp:	253587
Ion Ratio		Lower	Upper
240	100		
120	11.9	10.3	15.5
236	26.9	21.9	32.9

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





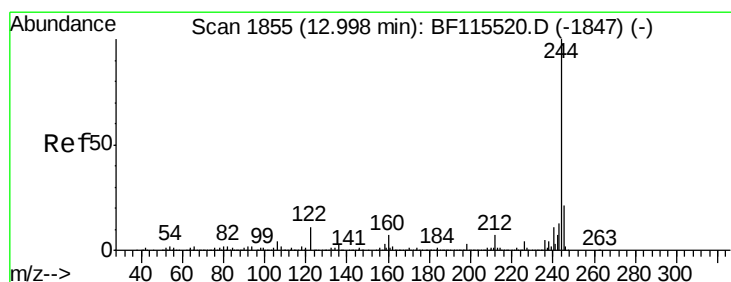
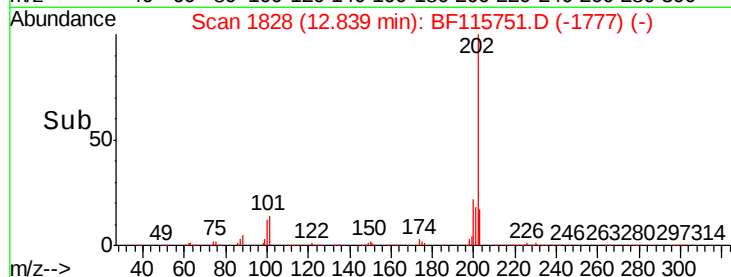
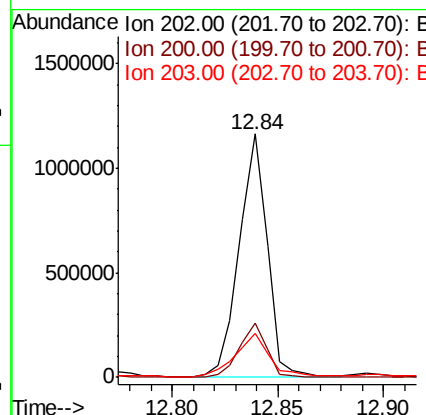
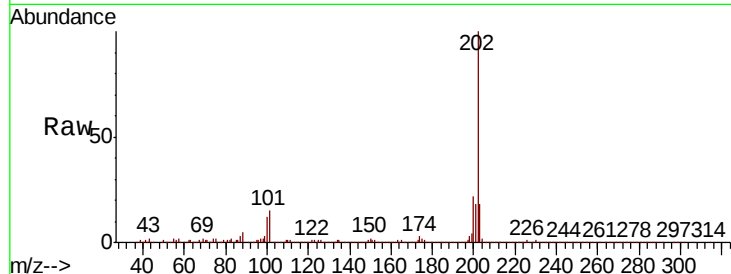
#78
Pvrene
Concen: 49.014 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Instrument :
BNA_F
ClientSampleId :
PA-71619DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.1	27.1
203	18.2	14.7	22.1

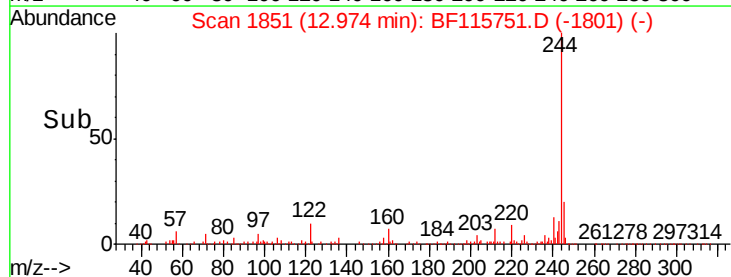
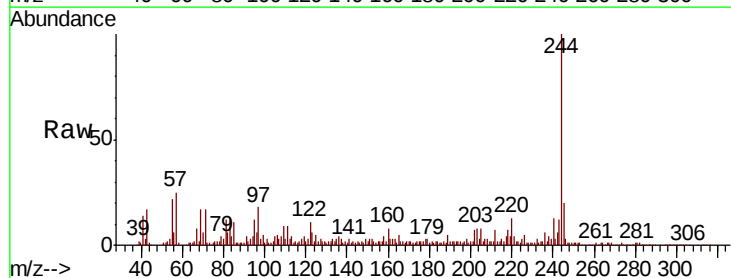
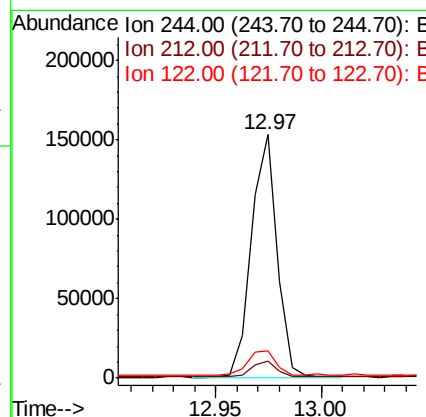
Manual Integrations
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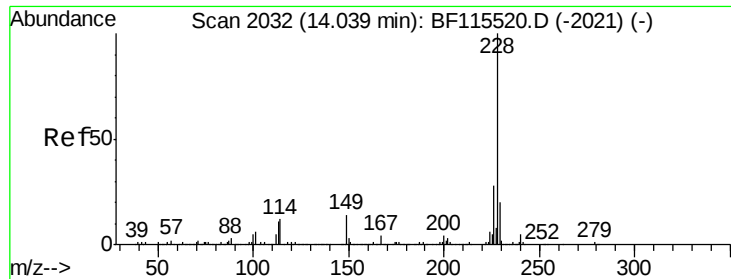
mohammad
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#79
Terphenyl-d14
Concen: 9.379 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	11.4	9.4	14.0





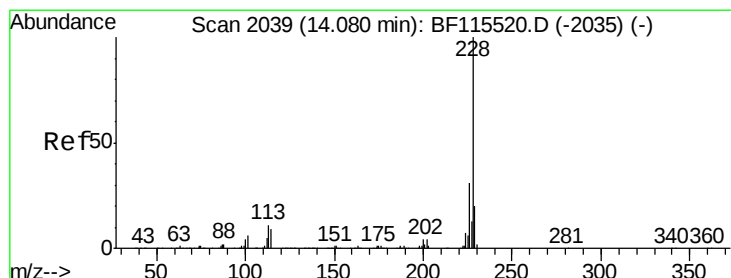
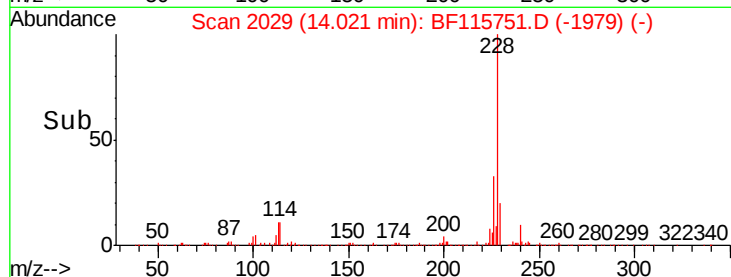
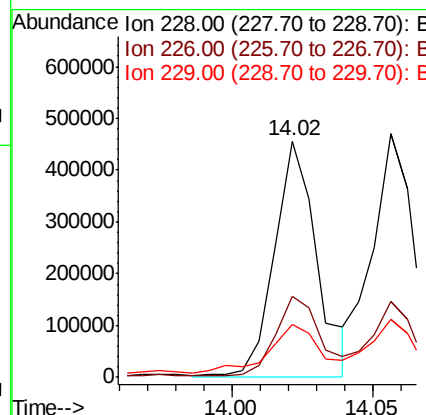
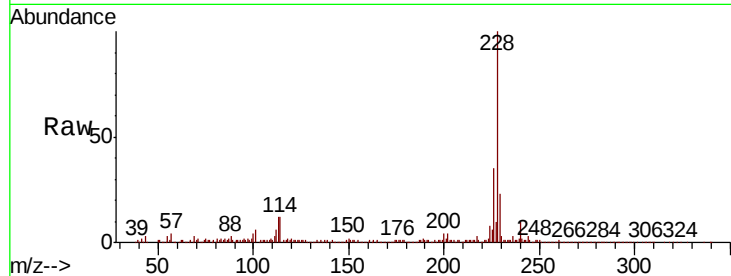
#81
Benzo(a)anthracene
Concen: 28.569 ng m
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Instrument :
BNA_F
ClientSampleId :
PA-71619DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.6	23.0	34.6#
229	22.7	16.6	24.8

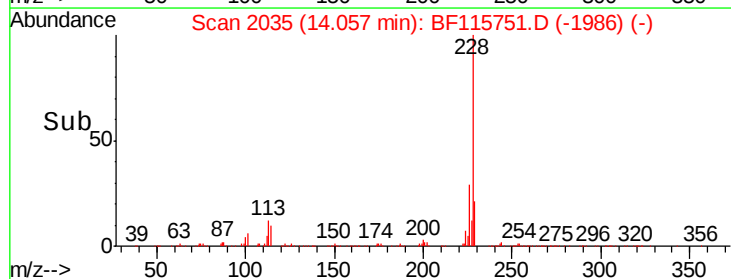
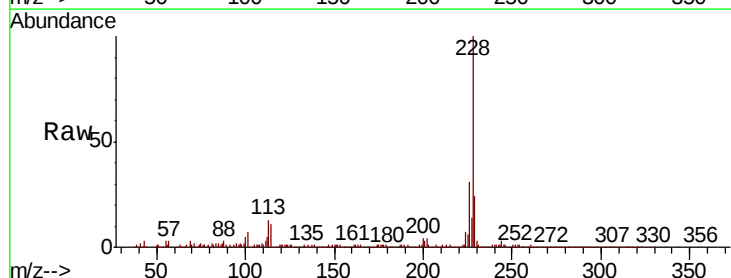
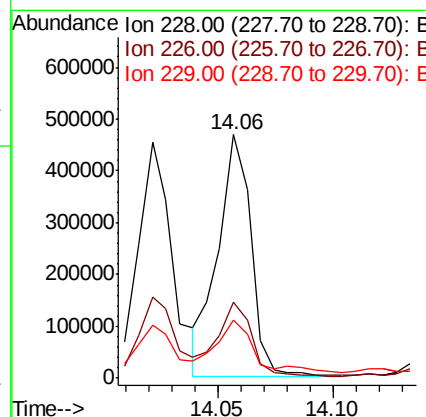
Manual Integrations
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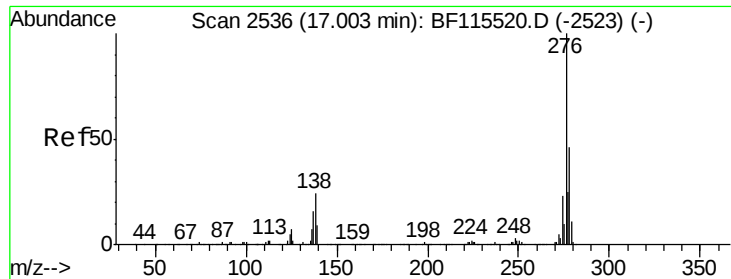
mohammad
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#83
Chrysene
Concen: 27.686 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.4
229	24.0	16.5	24.7





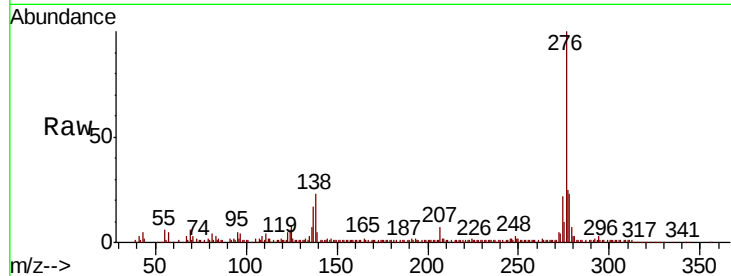
#86
Indeno(1,2,3-cd)pyrene
Concen: 14.368 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Instrument :
BNA_F
ClientSampled :
PA-71619DL

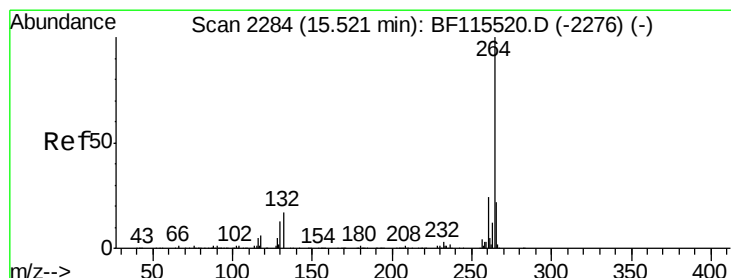
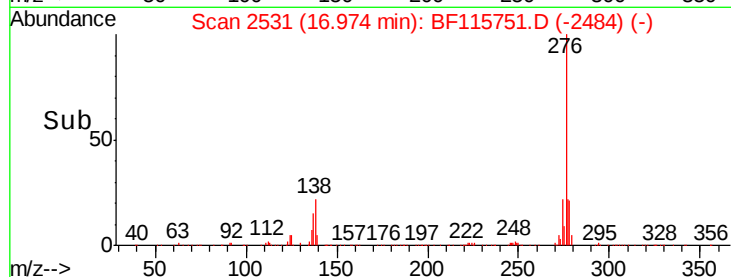
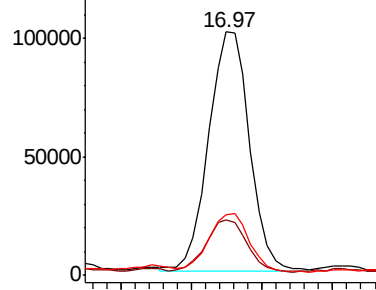
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.6	31.0
277	24.3	20.5	30.7

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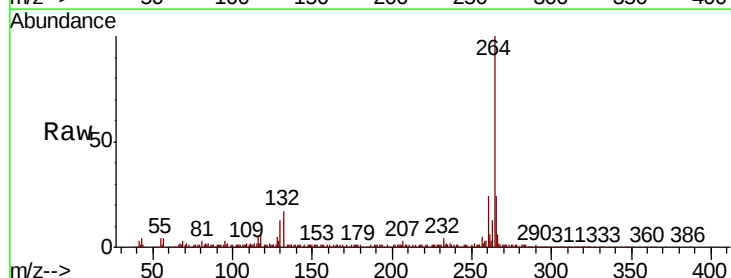


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

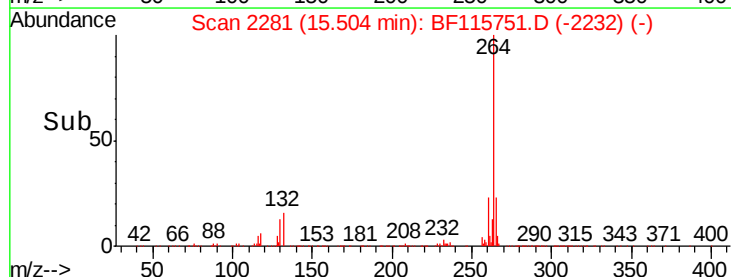
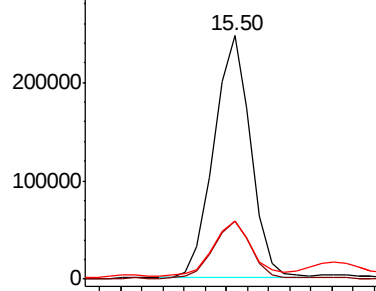


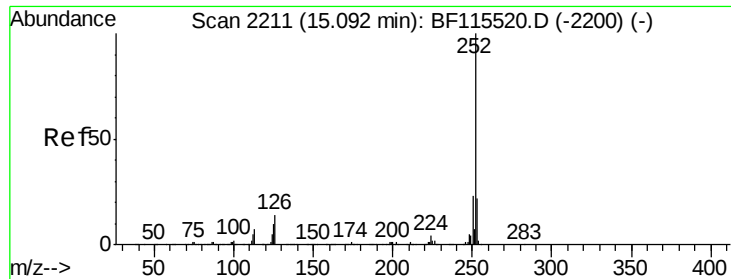
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	23.8	17.5	26.3



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





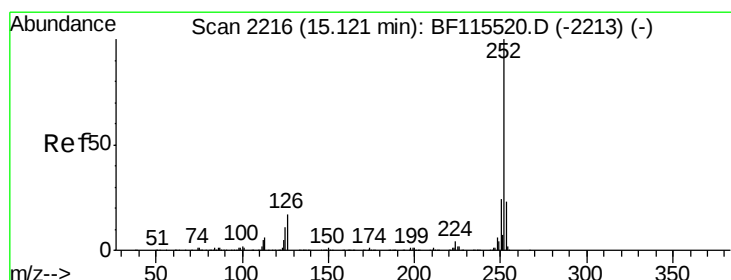
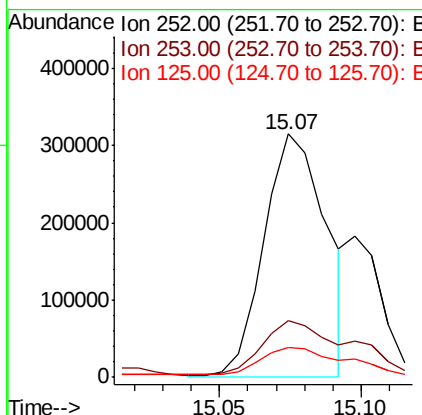
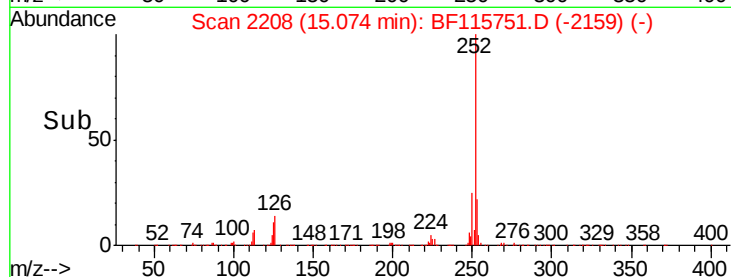
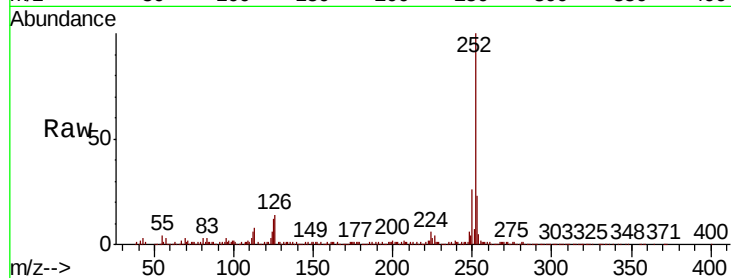
#88
Benzo(b)fluoranthene
Concen: 25.194 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Instrument :
BNA_F
ClientSampleId :
PA-71619DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	12.4	8.7	13.1

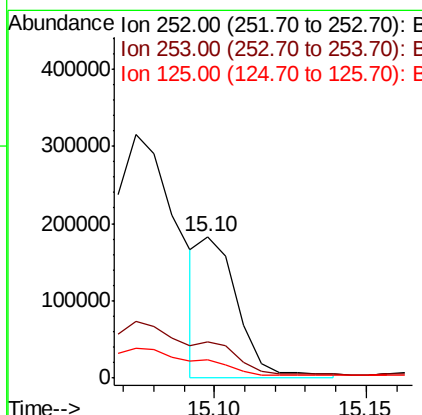
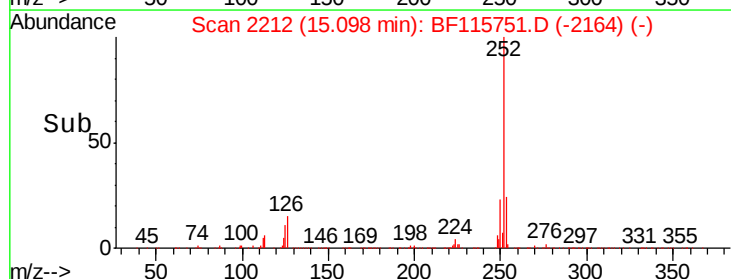
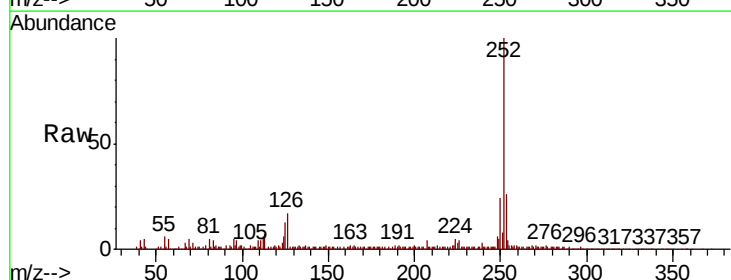
Manual Integrations
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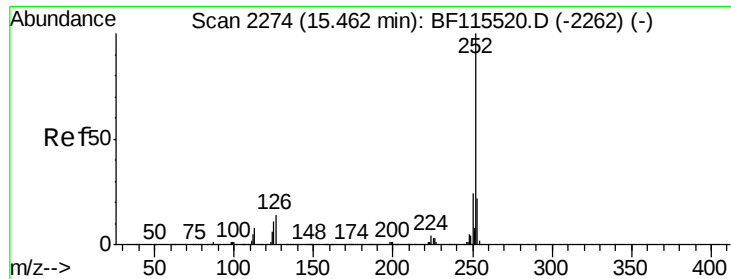
mohammad
7/25/2019 2:17:33 PM



#89
Benzo(k)fluoranthene
Concen: 9.347 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	12.8	8.9	13.3





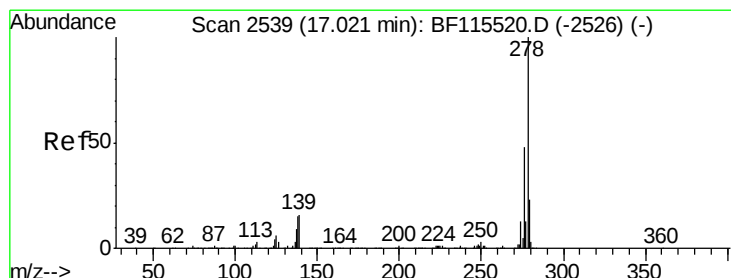
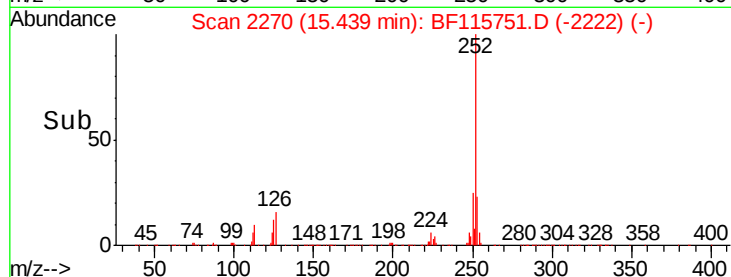
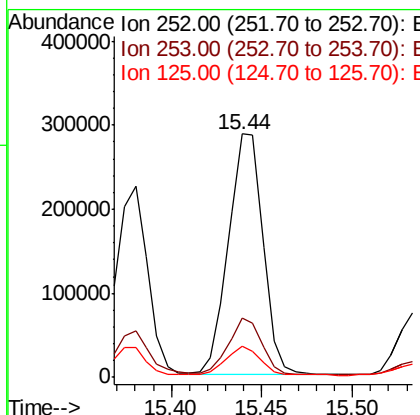
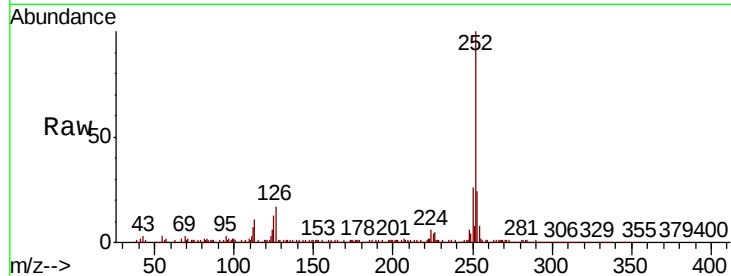
#90
Benzo(a)pyrene
Concen: 23.088 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Instrument :
BNA_F
Client Sampled :
PA-71619DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.1	18.0	27.0
125	12.6	9.4	14.2

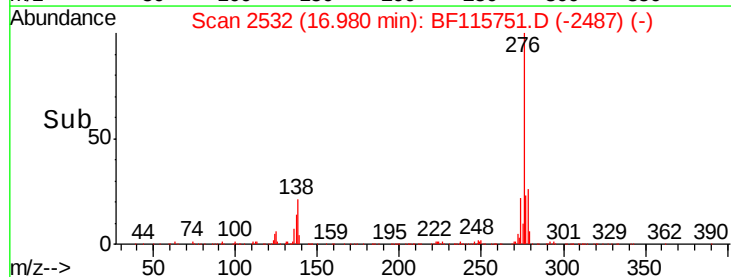
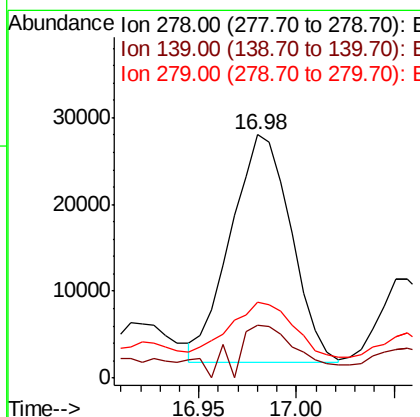
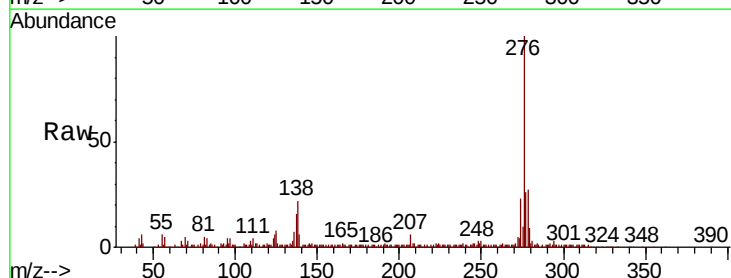
Manual Integrations
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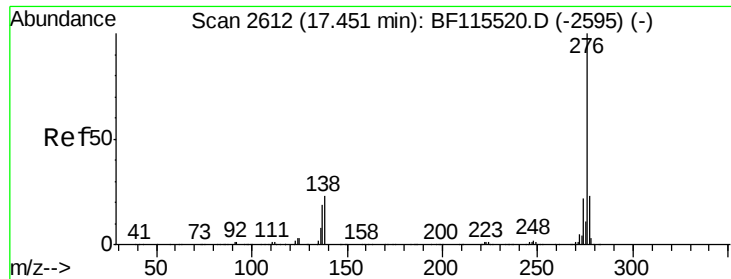
mohammad
7/25/2019 2:17:33 PM



#91
Dibenzo(a,h)anthracene
Concen: 3.856 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BF115751.D
Acq: 24 Jul 2019 15:39

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	21.6	13.0	19.6#
279	31.1	18.6	28.0#





#92
 Benzo(a,h,i)perylene
 Concen: 14.334 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.02 min
 Lab File: BF115751.D
 Acq: 24 Jul 2019 15:39

Instrument :
 BNA_F
 ClientSampleId :
 PA-71619DL

Tot Ion:	276	Resp:	207269
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.3	28.9
138	22.7	17.8	26.8

Manual Integrations
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 7/25/2019 2:17:33 PM

