

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072719\
 Data File : BF115830.D
 Acq On : 27 Jul 2019 14:55
 Operator : HP/JU
 Sample : K3626-09DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-ADL

Manual Integrations
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 7/29/2019 5:29:52 PM

Quant Time: Jul 29 02:31:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 25 13:16:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	140610	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	552635	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	275415	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	421051	20.00	ng	0.00
76) Chrysene-d12	14.03	240	320948	20.00	ng	0.00
87) Perylene-d12	15.50	264	439976	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	78341	9.11	ng	0.00
7) Phenol-d6	6.50	99	108574	9.95	ng	0.00
23) Nitrobenzene-d5	7.43	82	64309	6.77	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	21640	6.73	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	132009	8.39	ng	-0.01
79) Terphenyl-d14	12.97	244	114606	6.59	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	8.17	128	267870	10.009	ng	98
37) 2-Methylnaphthalene	8.86	142	75648	4.264	ng	97
38) 1-Methylnaphthalene	8.96	142	48745	2.893	ng	99
52) Acenaphthene	9.93	154	140485	8.191	ng	98
55) Dibenzofuran	10.11	168	168995	6.938	ng	98
58) Fluorene	10.45	166	208345	11.965	ng	100
71) Phenanthrene	11.42	178	1142236	52.924	ng	100
72) Anthracene	11.46	178	397606	17.826	ng	99
73) Carbazole	11.62	167	82643	4.225	ng	98
75) Fluoranthene	12.60	202	1199379	52.588	ng	98
78) Pyrene	12.83	202	1037364	38.150	ng	100
81) Benzo(a)anthracene	14.02	228	536360	25.367	ng	97
83) Chrysene	14.06	228	459564	21.651	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	308743	17.121	ng	95
88) Benzo(b)fluoranthene	15.07	252	608471m	21.477	ng	
89) Benzo(k)fluoranthene	15.10	252	263088m	10.416	ng	
90) Benzo(a)pyrene	15.44	252	515005	21.150	ng	98
91) Dibenzo(a,h)anthracene	16.98	278	78751m	3.684	ng	
92) Benzo(a,h,i)perylene	17.42	276	291364	13.666	ng	97

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

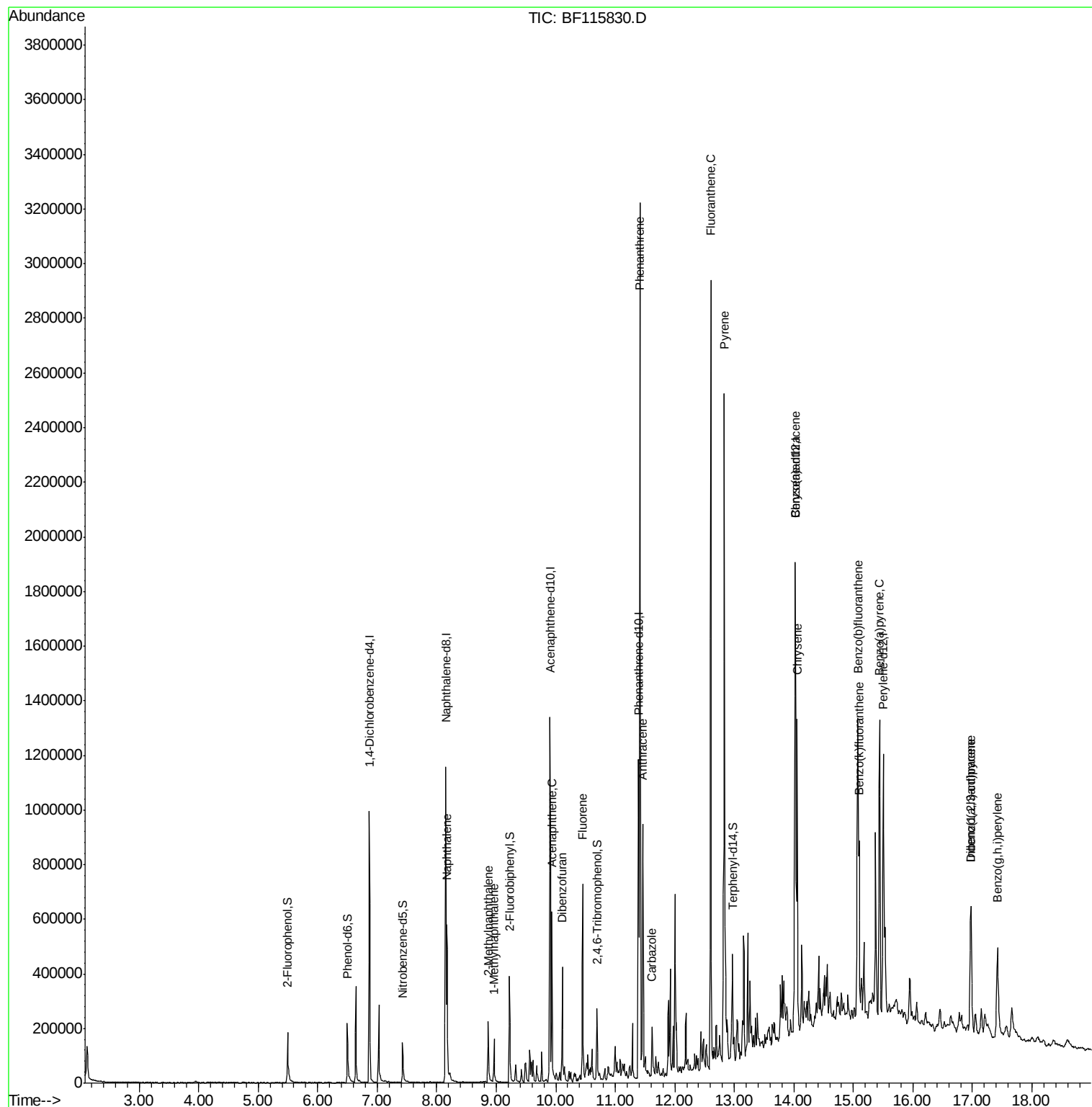
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072719\
Data File : BF115830.D
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ALS Vial : 16 Sample Multiplier: 1

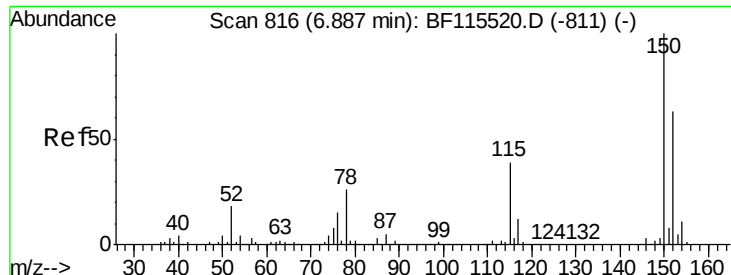
Instrument :
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SU-01-072519-ADL

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Quant Time: Jul 29 02:31:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 25 13:16:07 2019
Response via : Initial Calibration





#1

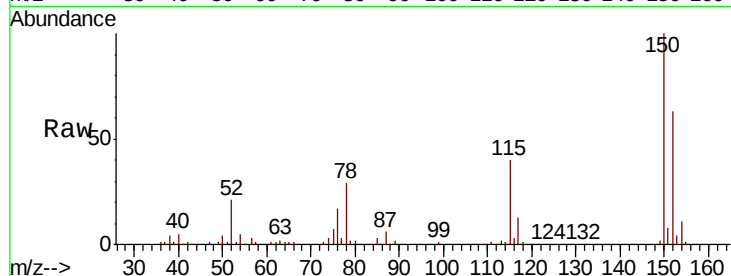
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.6	189.8
115	63.5	47.8	71.6

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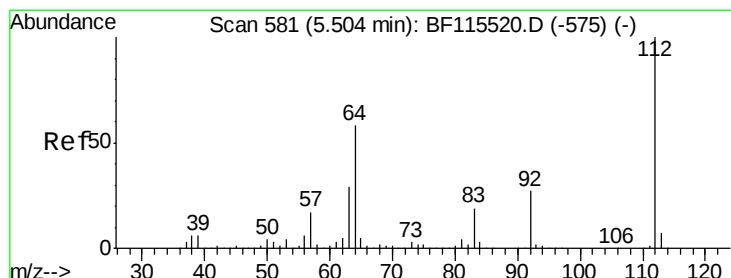
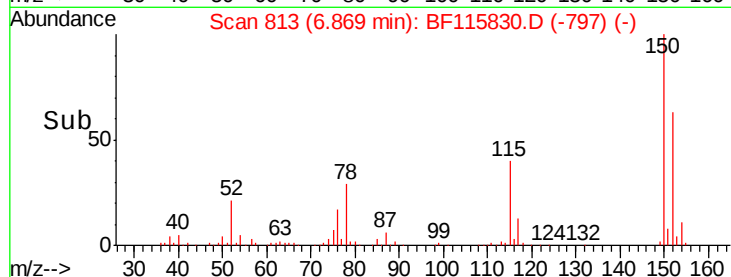
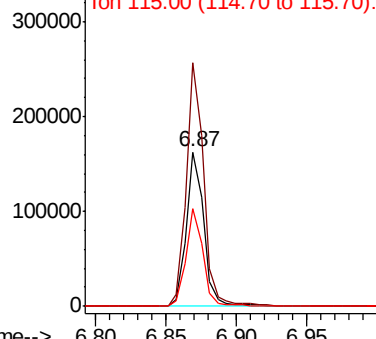


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

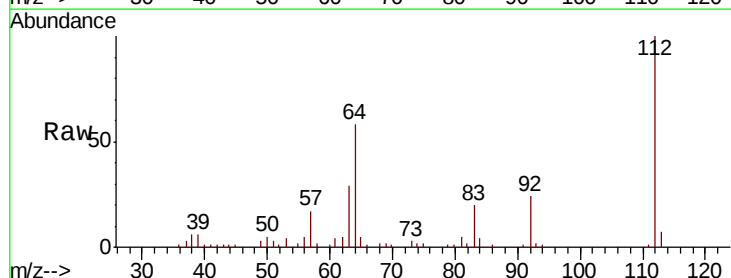
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 9.113 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	45.8	68.8
63	29.3	23.6	35.4

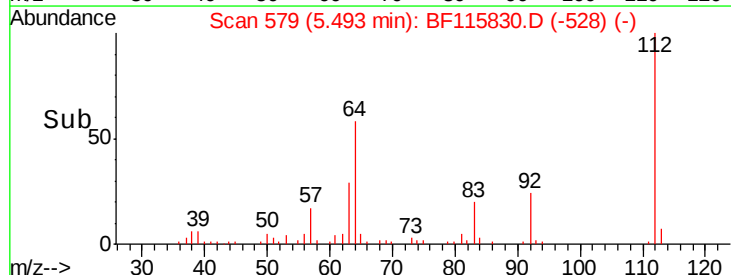
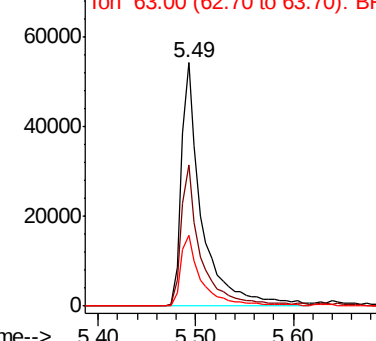


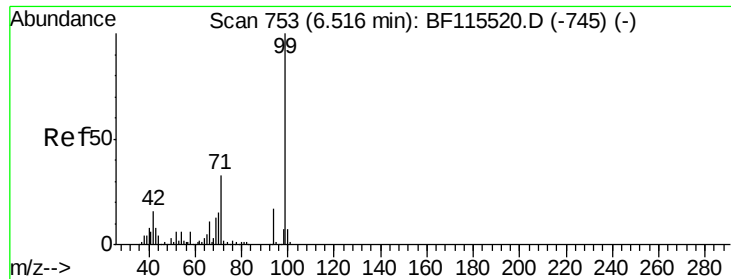
Abundance

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: 9.954 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF115830.D

Acq: 27 Jul 2019 14:55

Instrument :

BNA_F

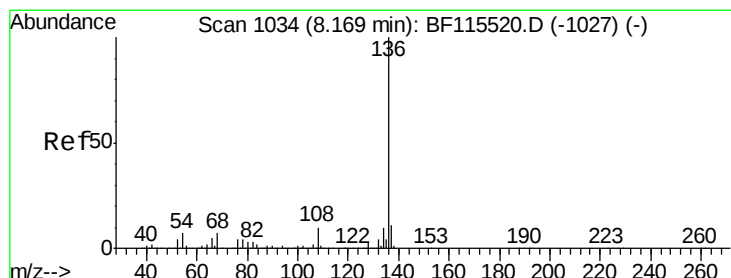
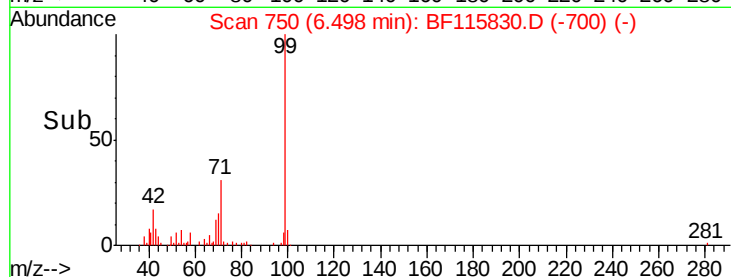
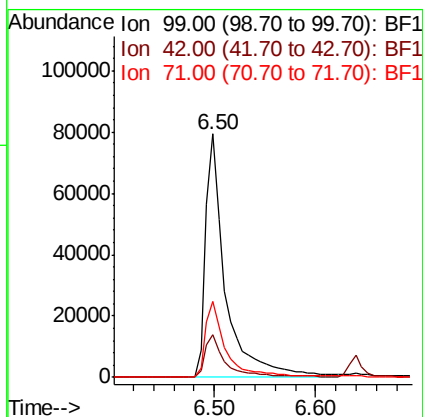
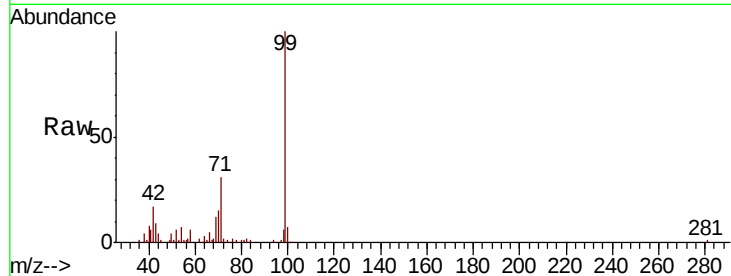
ClientSampleId :

SU-01-072519-ADL

Tot Ion:	99	Resp:	108574
Ion Ratio	Lower	Upper	
99	100		
42	17.5	13.4	20.2
71	31.3	26.7	40.1

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#21

Naphthalene-d8

Concen: 20.000 ng

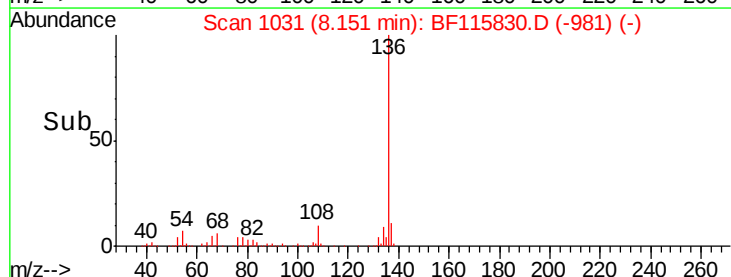
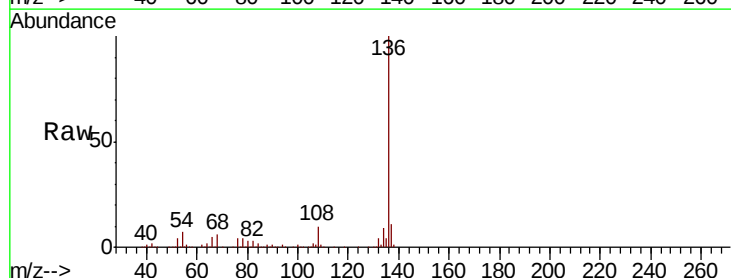
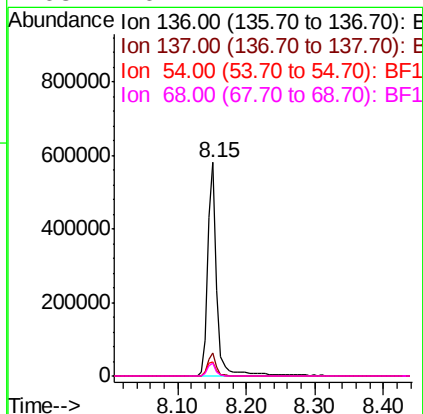
RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF115830.D

Acq: 27 Jul 2019 14:55

Tgt Ion:	136	Resp:	552635
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	6.5	5.0	7.6
68	6.1	4.7	7.1





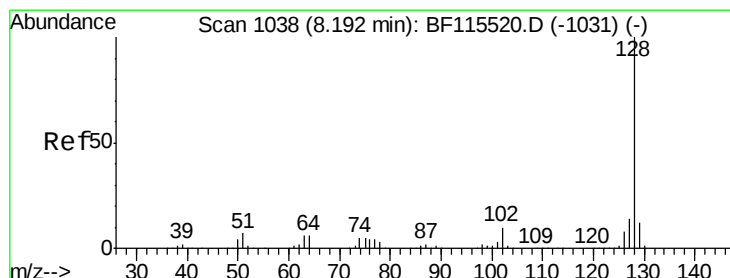
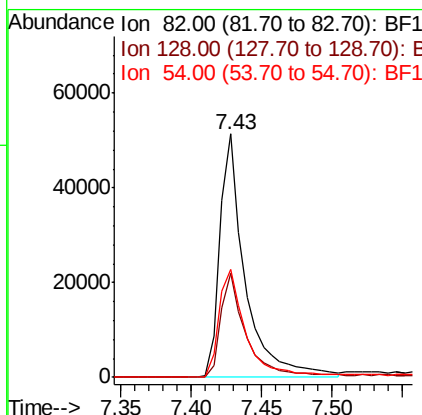
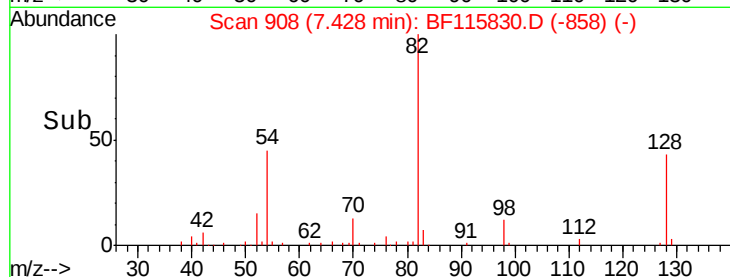
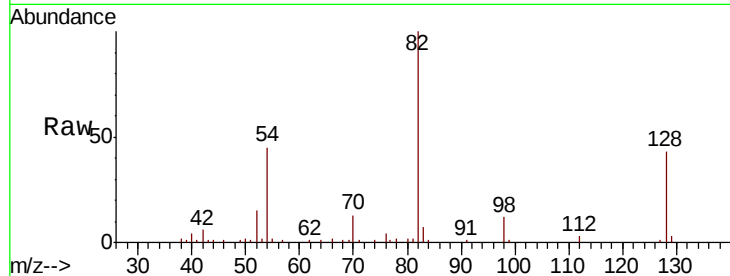
#23
 Nitrobenzene-d5
 Concen: 6.766 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF115830.D
 Acq: 27 Jul 2019 14:55

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-ADL

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	36.6	55.0
54	44.6	36.6	54.8

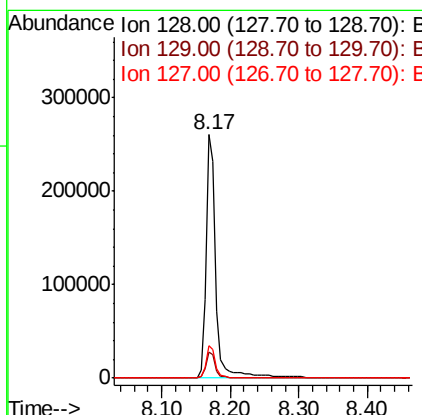
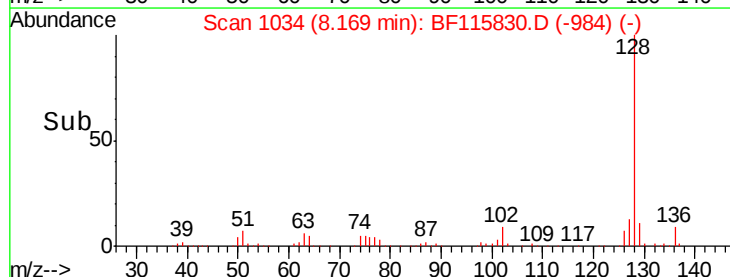
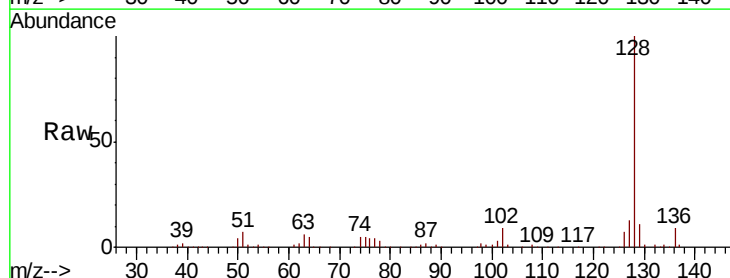
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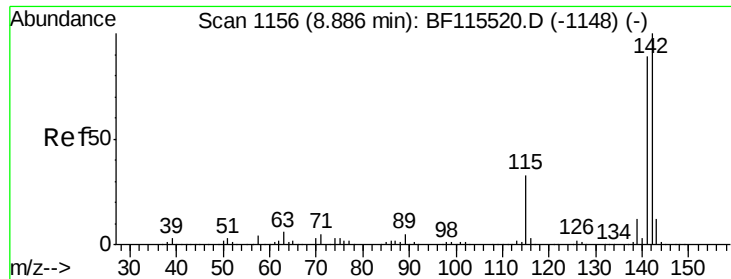
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#31
 Naphthalene
 Concen: 10.009 ng
 RT: 8.17 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BF115830.D
 Acq: 27 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.4	14.2
127	13.1	10.9	16.3





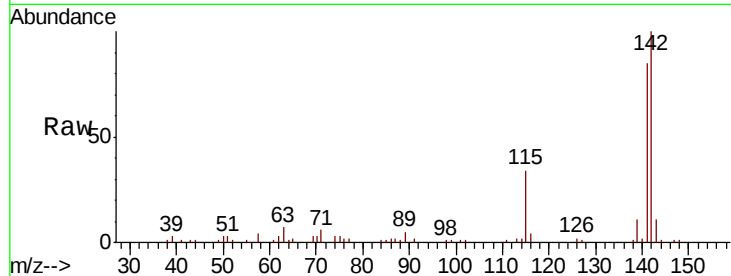
#37
2-Methylnaphthalene
Concen: 4.264 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-ADL

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.6	71.0	106.4
115	34.4	27.7	41.5

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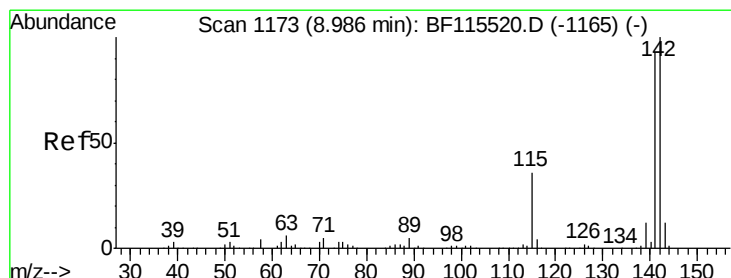
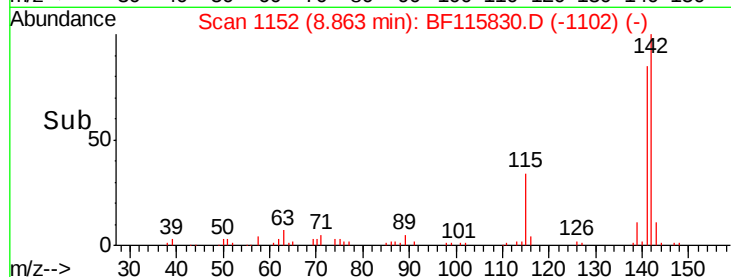
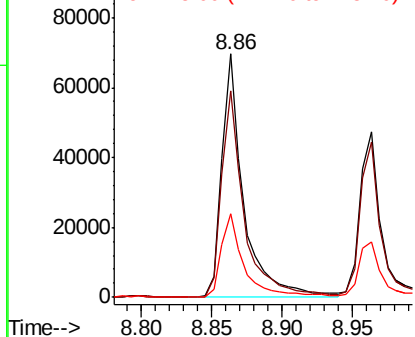


Abundance

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: 2.893 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

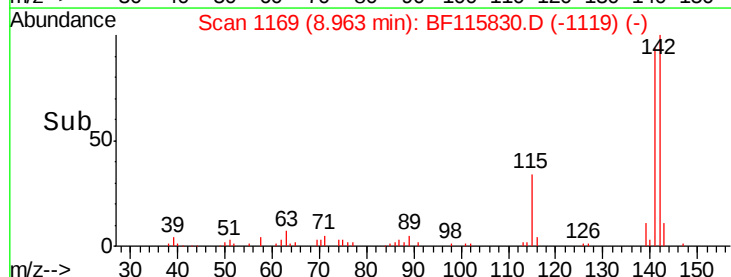
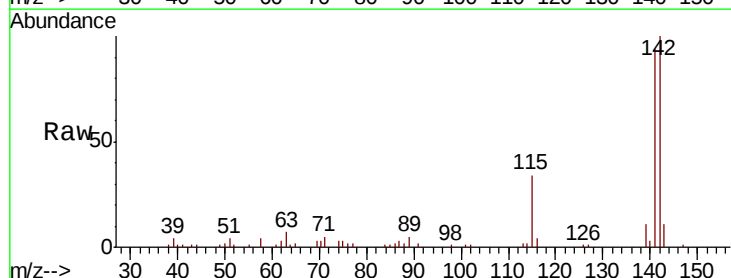
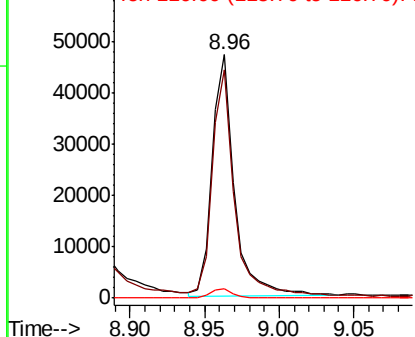
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.7	73.9	110.9
116	3.6	3.0	4.6

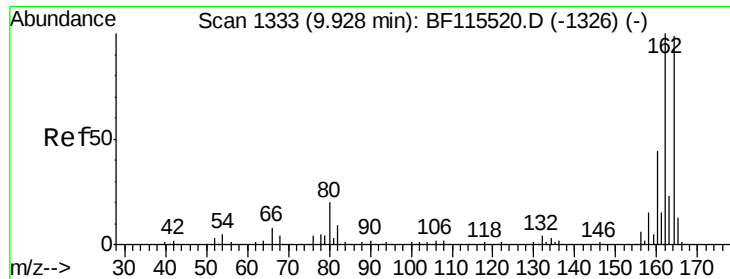
Abundance

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





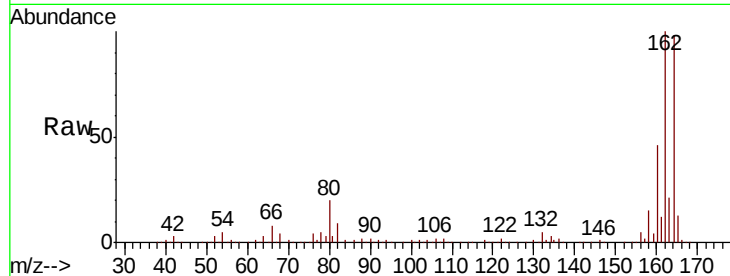
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-ADL

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.8	122.6
160	46.5	37.5	56.3

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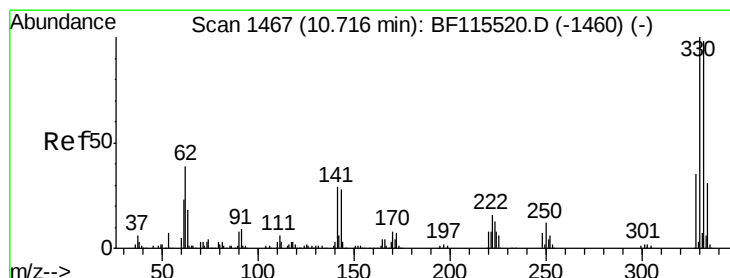
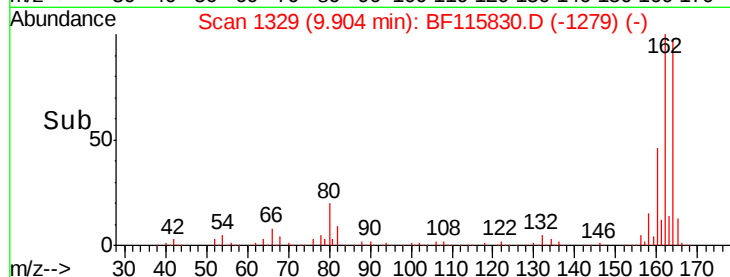
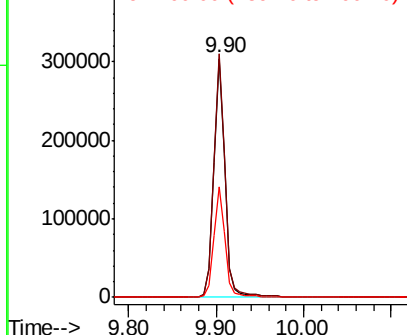


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 6.731 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

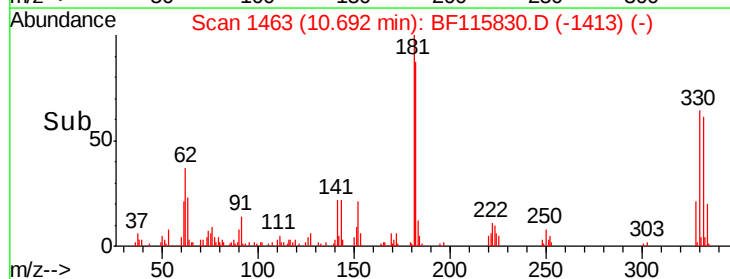
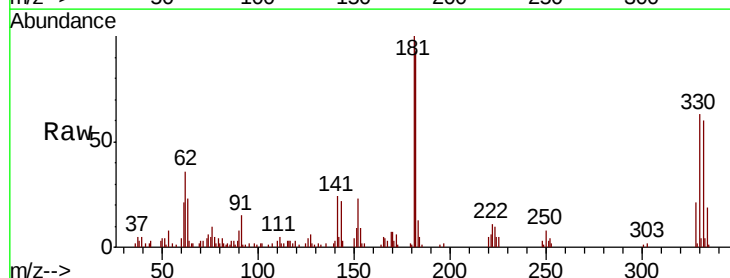
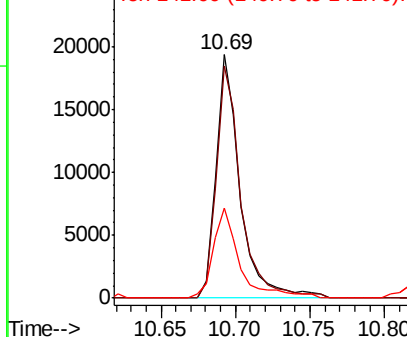
Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.1	114.1
141	40.8	25.9	38.9#

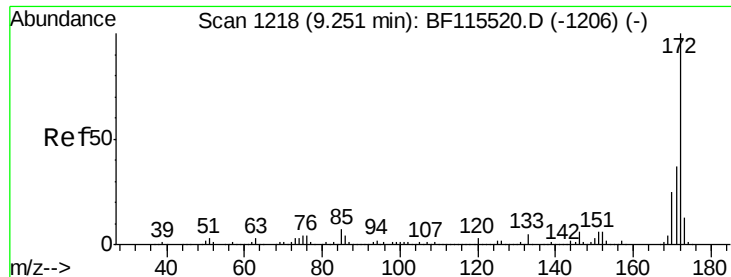
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





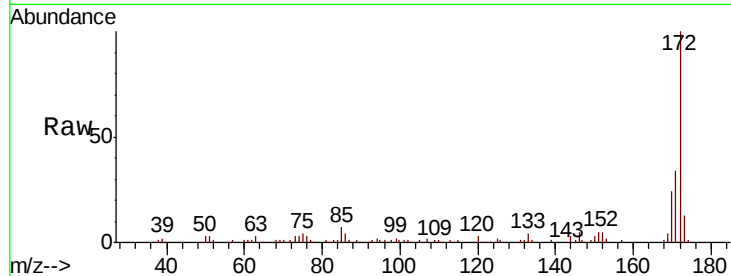
#45
2-Fluorobiphenyl
Concen: 8.389 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-ADL

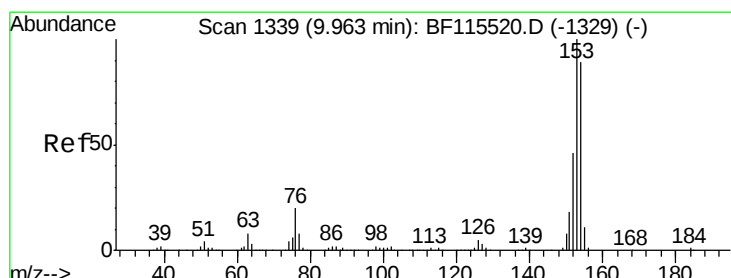
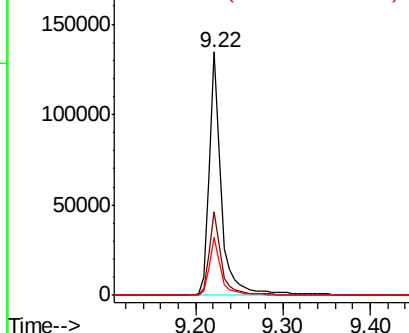
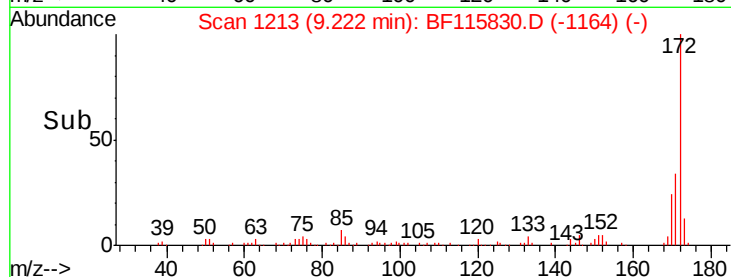
Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.1	29.0	43.4	
170	23.6	20.1	30.1	

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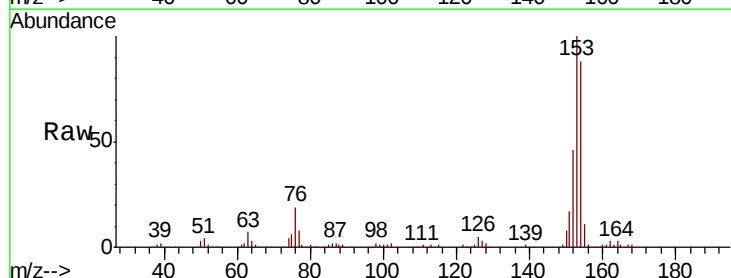


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

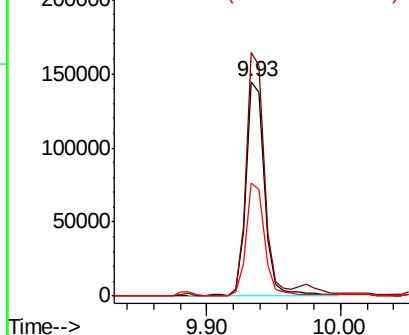
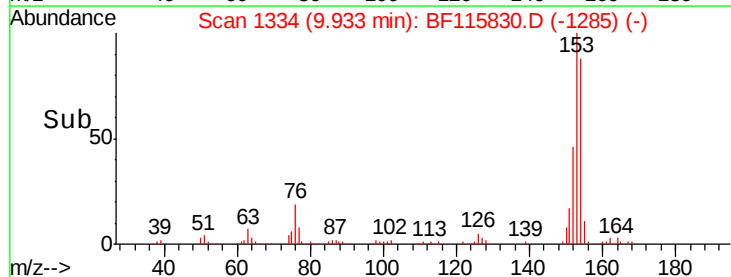


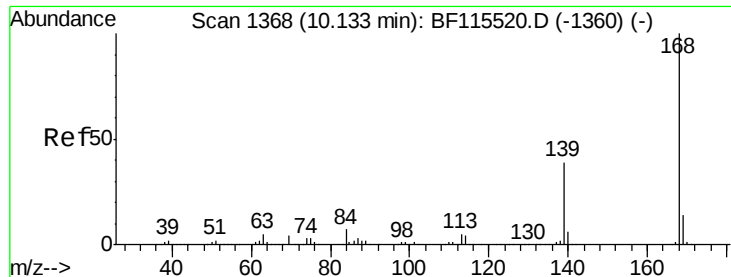
#52
Acenaphthene
Concen: 8.191 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.5	88.1	132.1	
152	52.8	42.0	63.0	



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





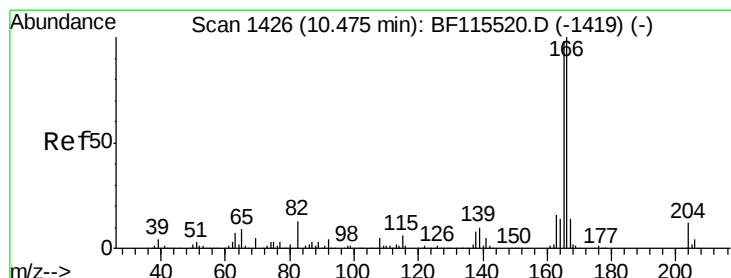
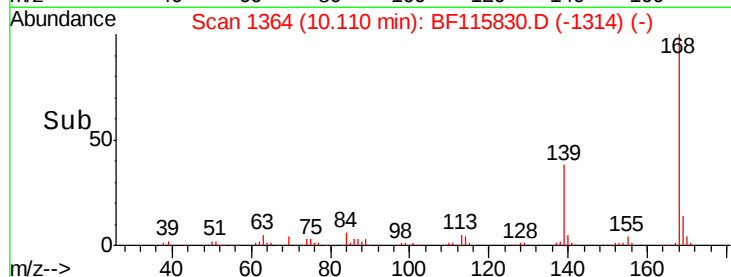
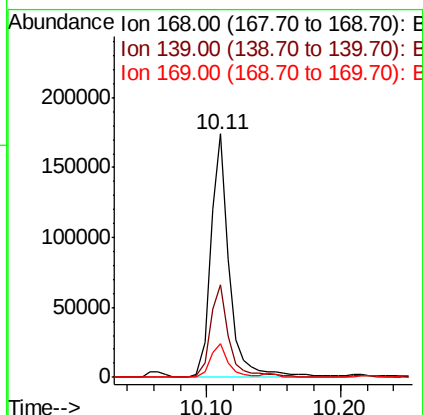
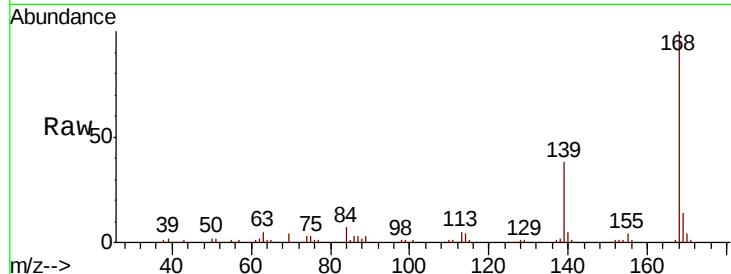
#55
Dibenzenofuran
Concen: 6.938 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-ADL

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.3	31.4	47.2
169	13.6	11.3	16.9

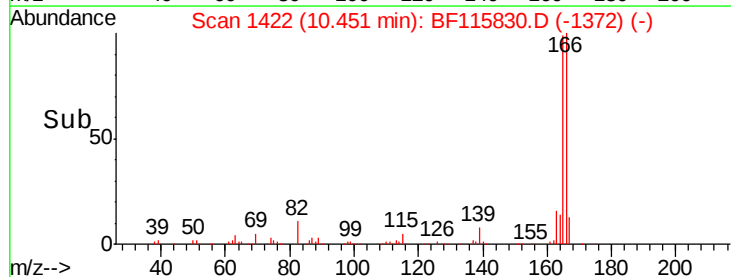
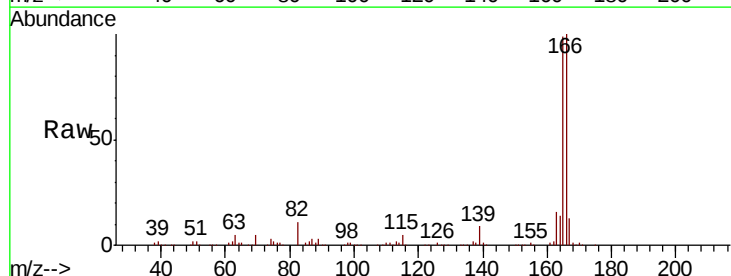
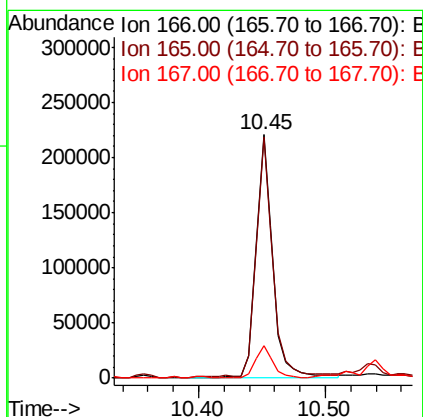
Manual Integrations
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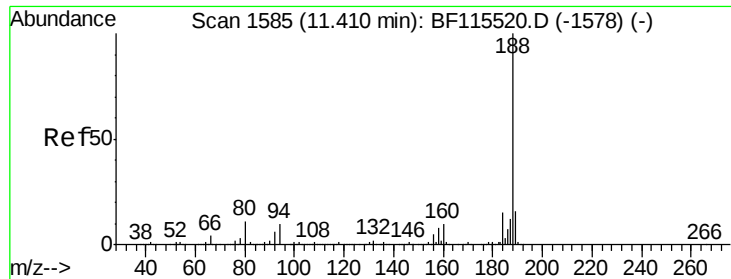
mohammad
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#58
Fluorene
Concen: 11.965 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.0	118.4
167	13.5	11.0	16.6





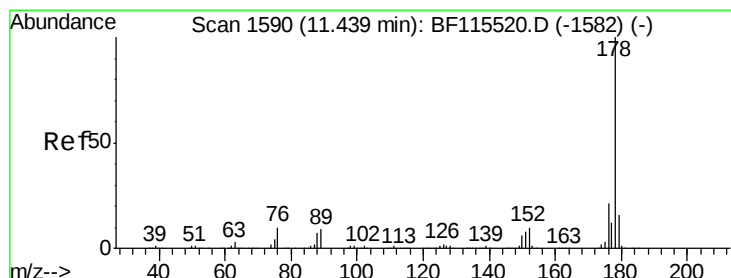
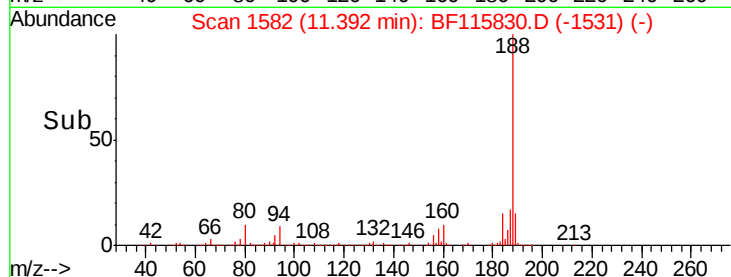
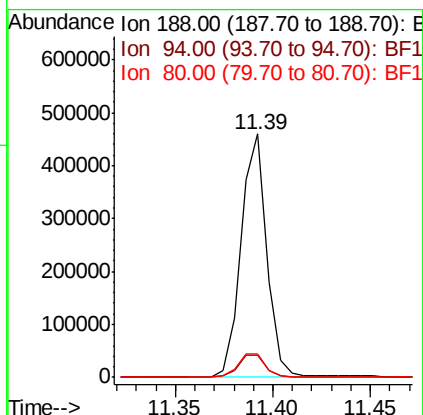
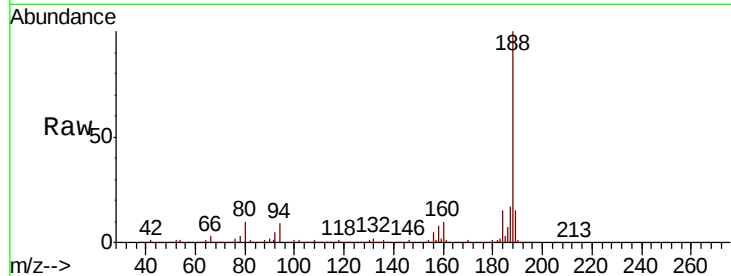
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-ADL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	421051		
94	8.9		8.2	12.2
80	9.5		9.0	13.6

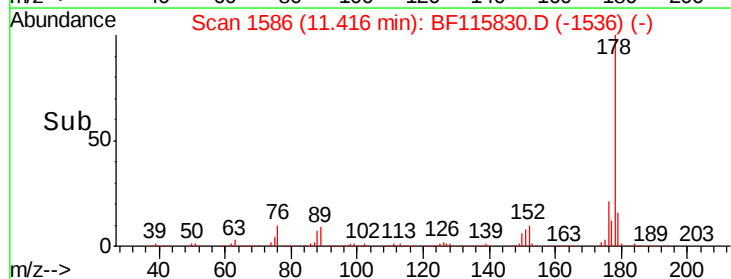
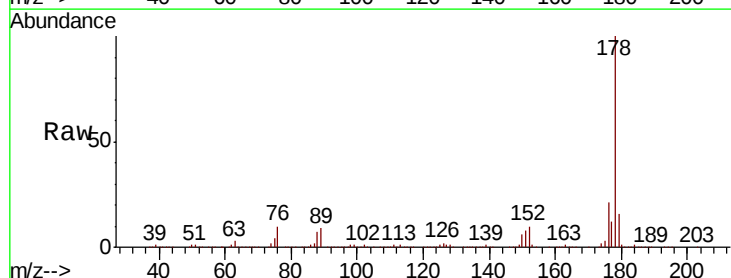
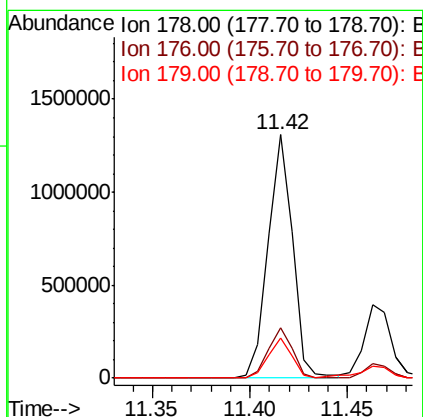
Manual Integrations
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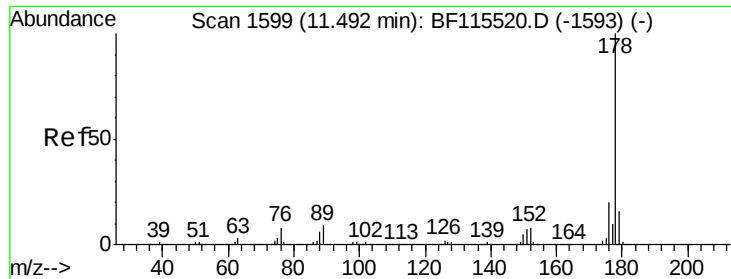
mohammad
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#71
Phenanthrene
Concen: 52.924 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1142236		
176	20.6		16.4	24.6
179	16.2		12.7	19.1





#72

Anthracene

Concen: 17.826 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF115830.D

Acq: 27 Jul 2019 14:55

Instrument :

BNA_F

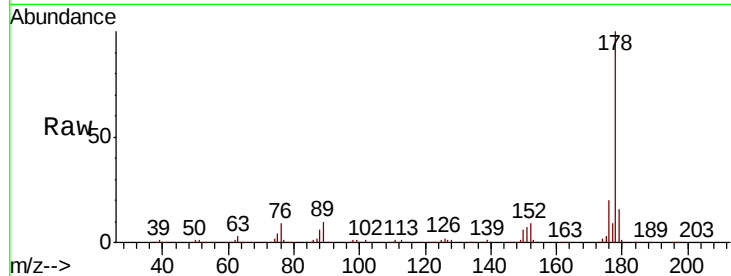
ClientSampleId :

SU-01-072519-ADL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.1	24.1
179	16.1	12.6	18.8

Manual Integrations
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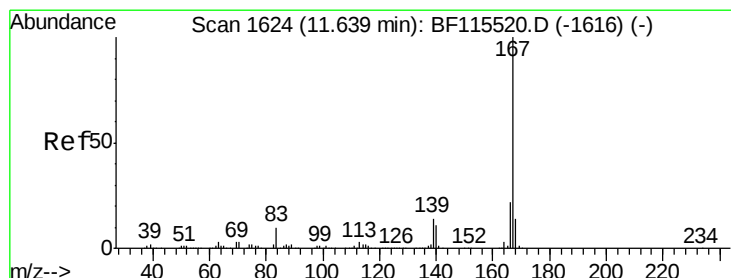
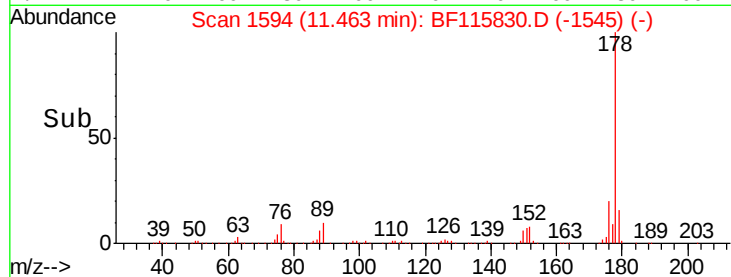
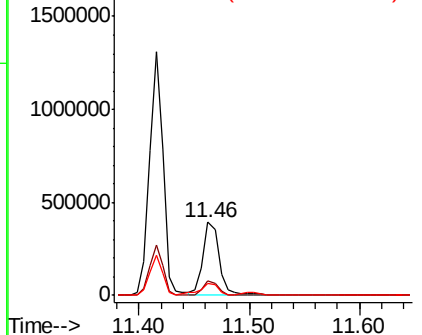


Abundance

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: 4.225 ng

RT: 11.62 min Scan# 1621

Delta R.T. 0.00 min

Lab File: BF115830.D

Acq: 27 Jul 2019 14:55

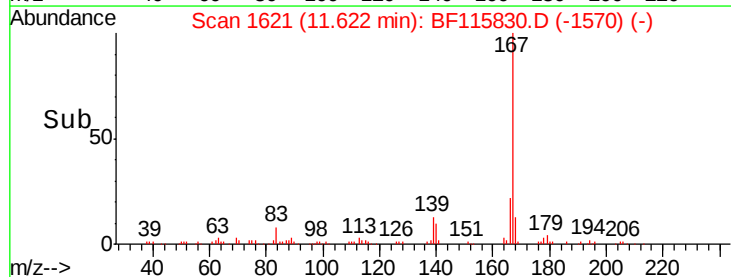
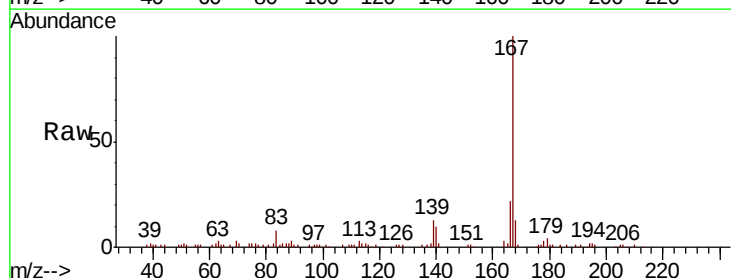
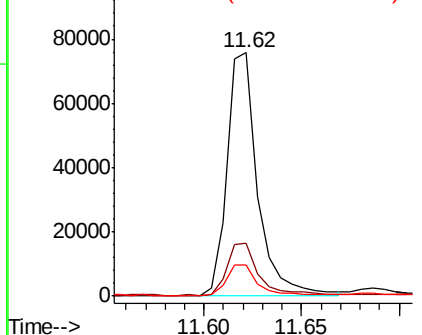
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.0	27.0
139	13.0	11.1	16.7

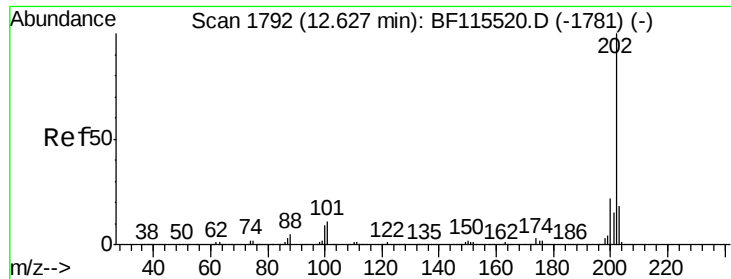
Abundance

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: 52.588 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF115830.D

Acq: 27 Jul 2019 14:55

Instrument :

BNA_F

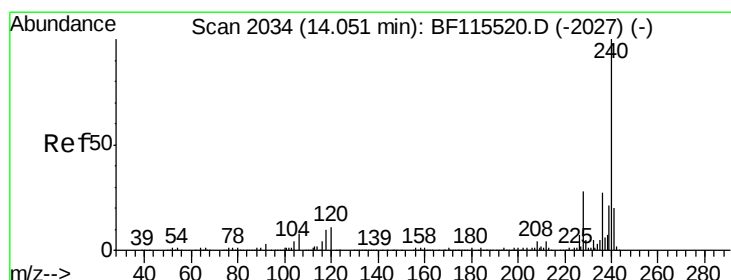
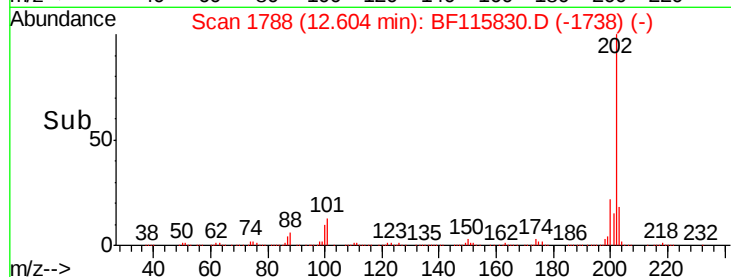
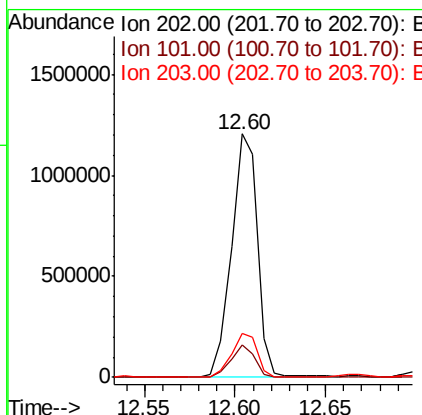
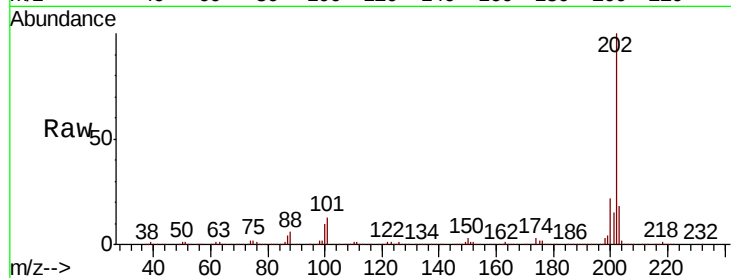
ClientSampleId :

SU-01-072519-ADL

Tot Ion:	202	Resp:	1199379
Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	31.6
203	18.2	0.0	38.0

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

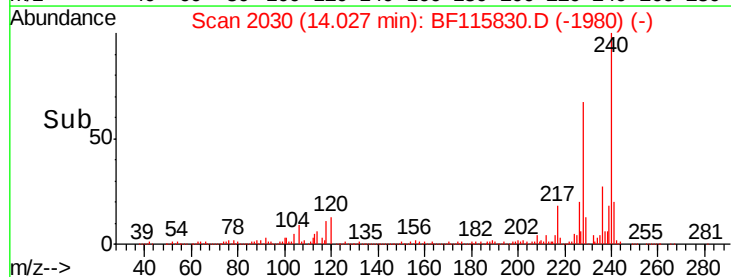
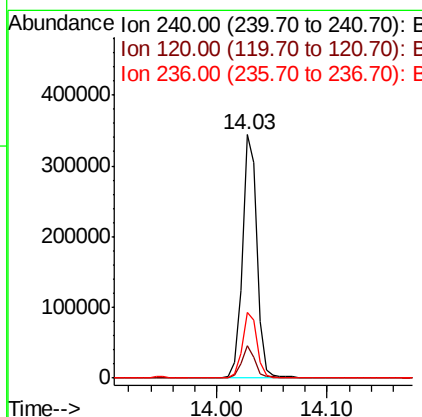
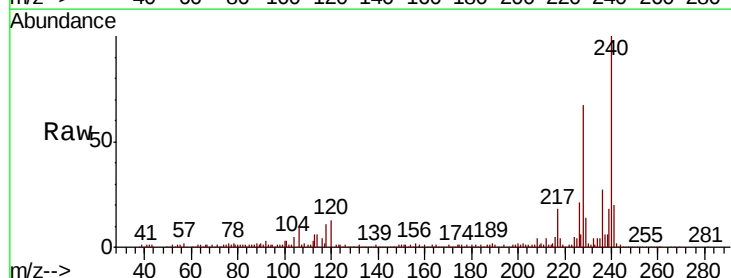
RT: 14.03 min Scan# 2030

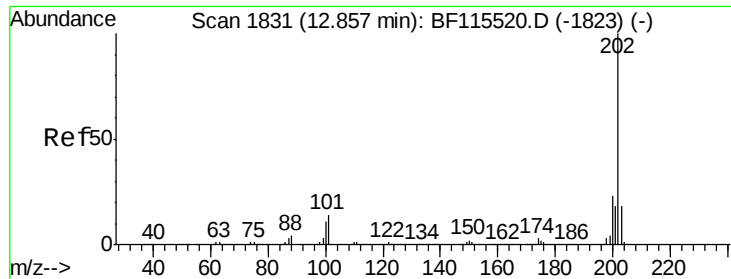
Delta R.T. -0.01 min

Lab File: BF115830.D

Acq: 27 Jul 2019 14:55

Tgt Ion:	240	Resp:	320948
Ion	Ratio	Lower	Upper
240	100		
120	13.1	10.0	15.0
236	27.1	21.8	32.6





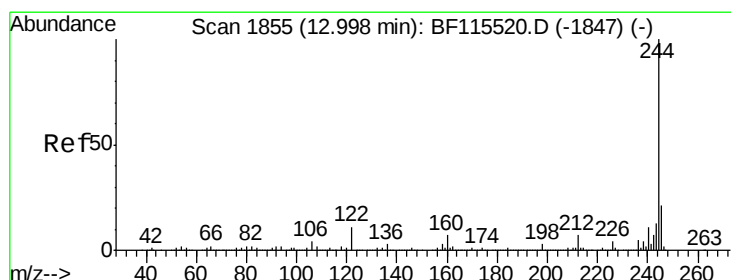
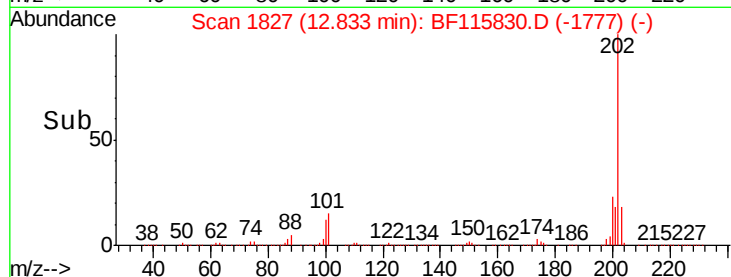
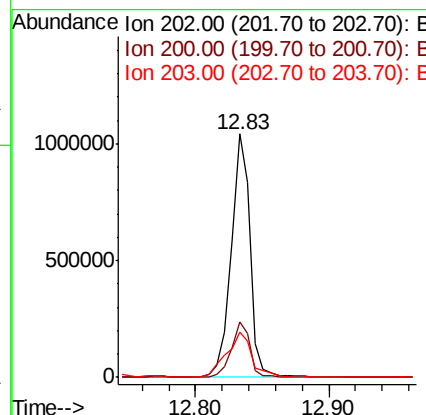
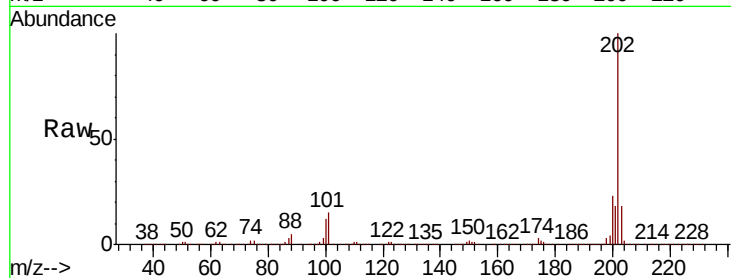
#78
Pvrene
Concen: 38.150 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-ADL

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.7	18.2	27.4
203	18.4	14.6	21.8

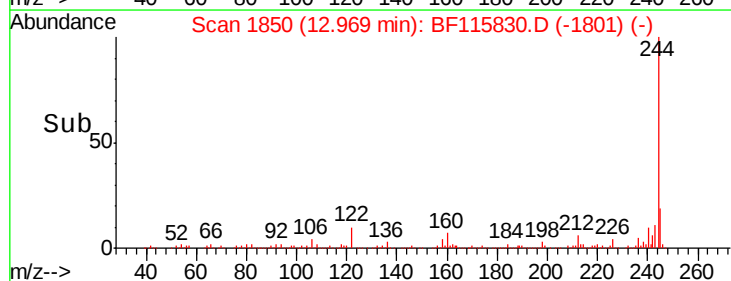
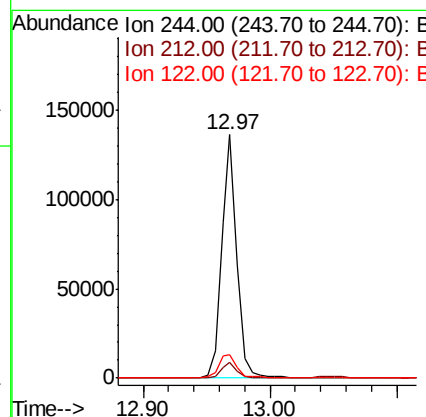
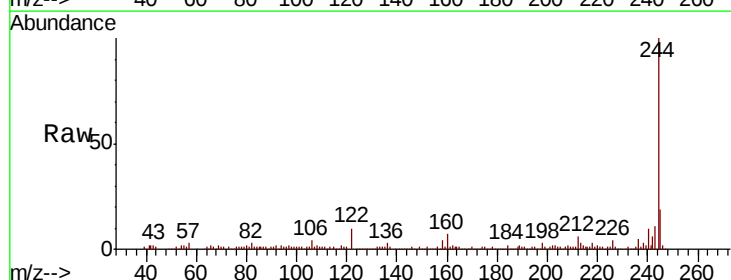
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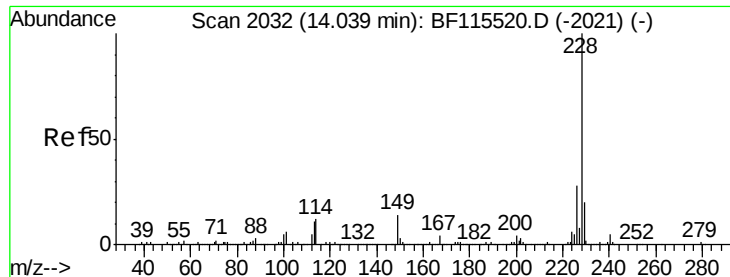
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#79
Terphenyl-d14
Concen: 6.589 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.5	8.3
122	9.8	8.2	12.4





#81
Benzo(a)anthracene
Concen: 25.367 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-ADL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.2	33.2
229	21.1	16.1	24.1

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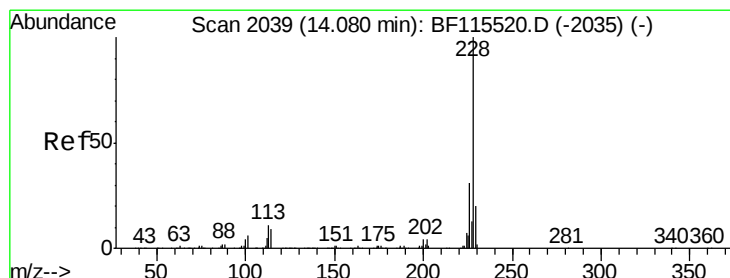
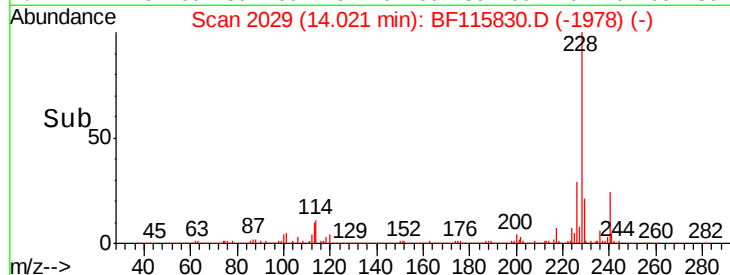
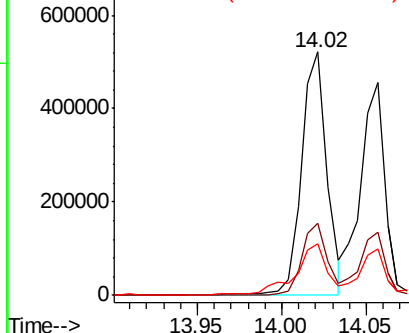


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 21.651 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

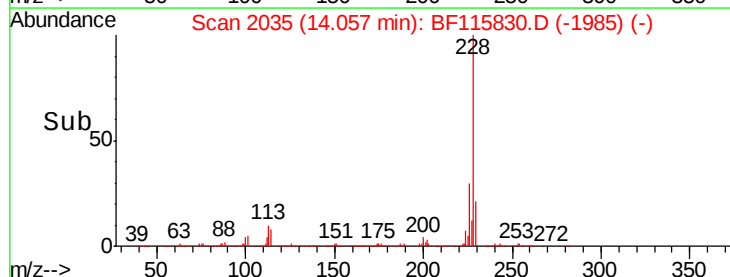
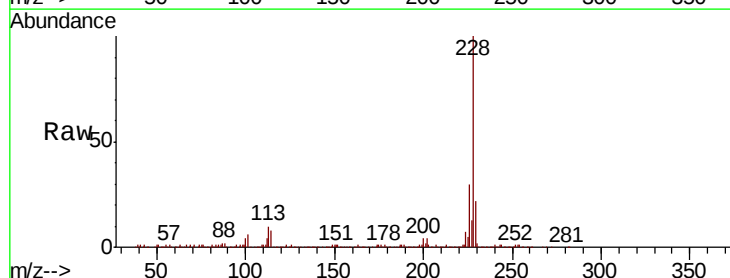
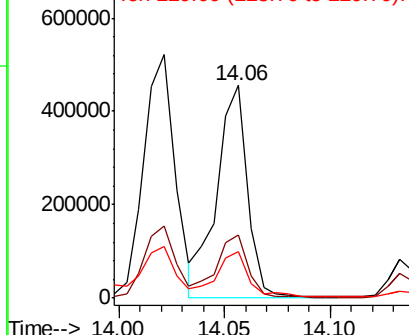
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.4
229	22.1	16.2	24.2

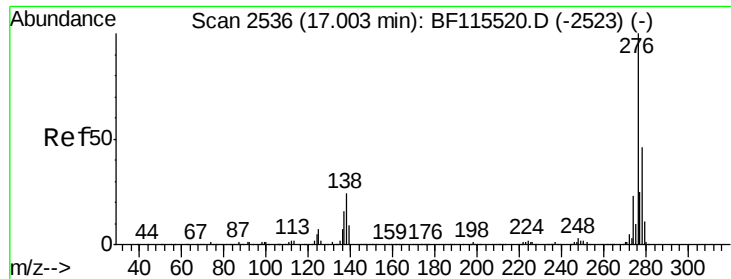
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





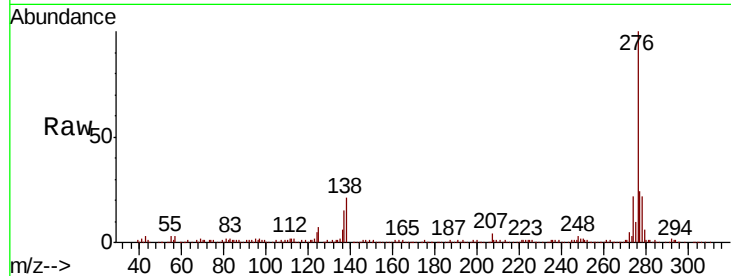
#86
Indeno(1,2,3-cd)pyrene
Concen: 17.121 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-ADL

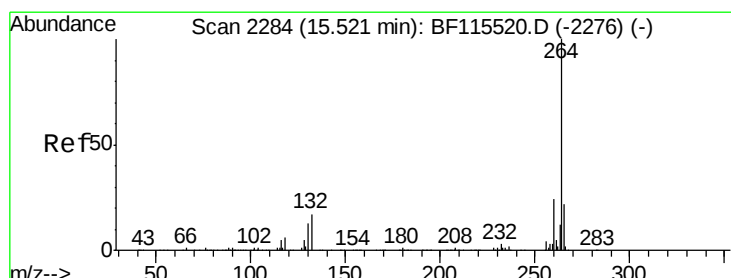
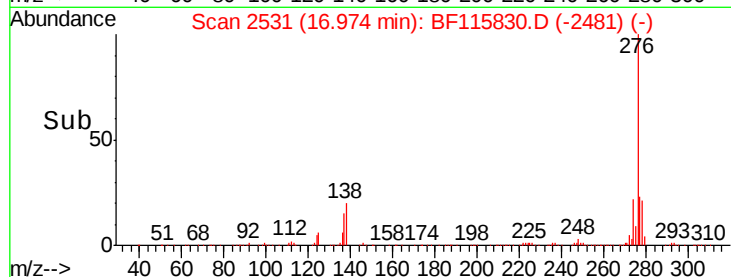
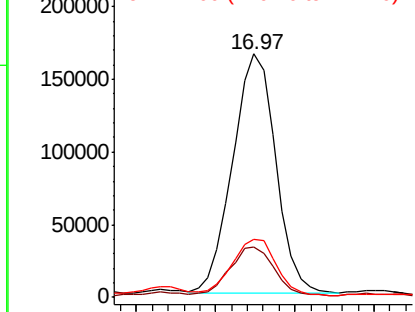
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	20.1	30.1
277	24.1	19.8	29.8

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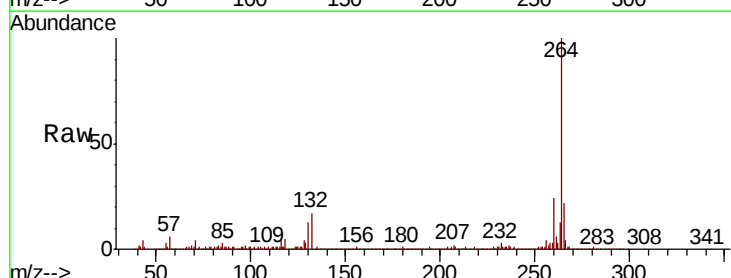


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

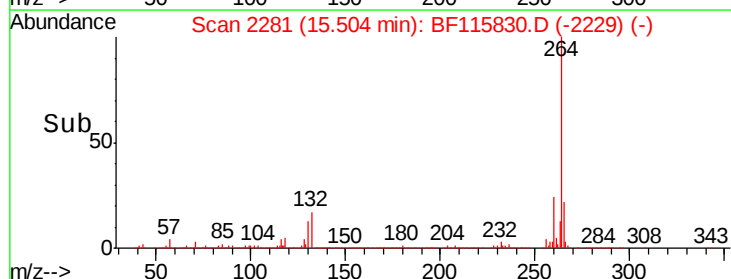
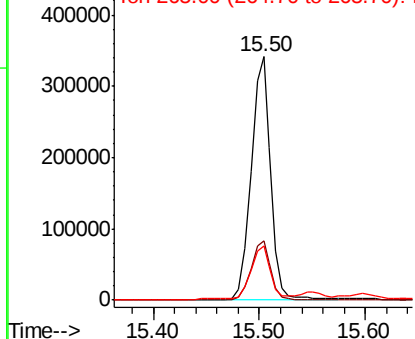


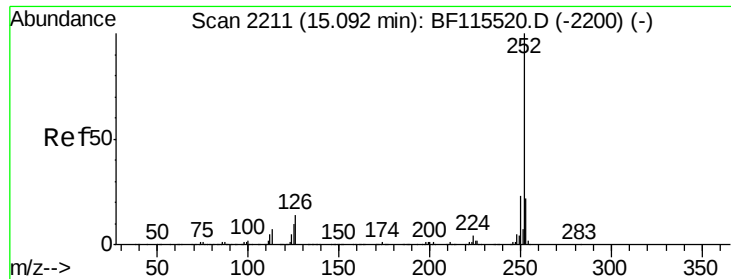
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.6
265	22.3	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





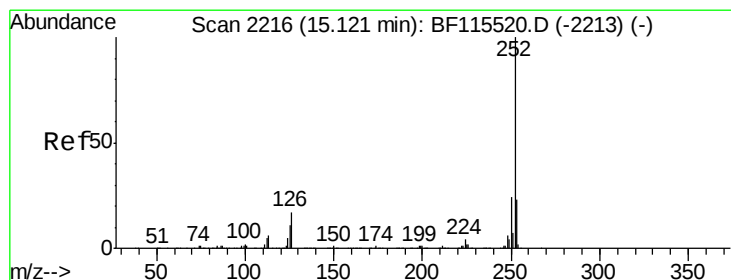
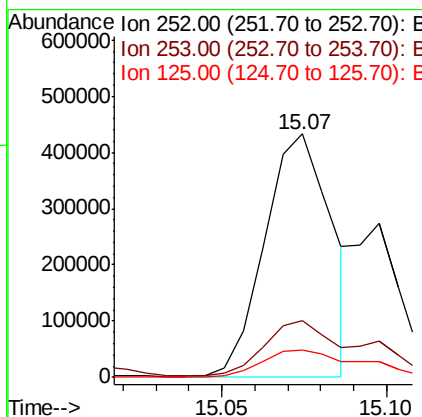
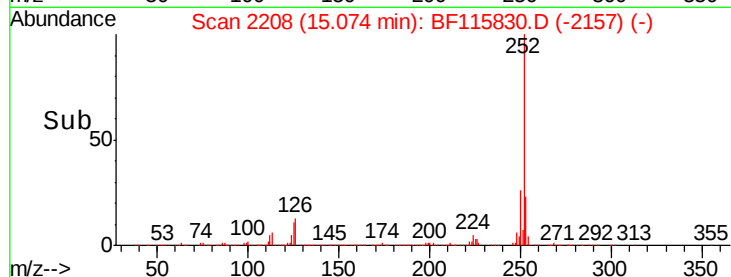
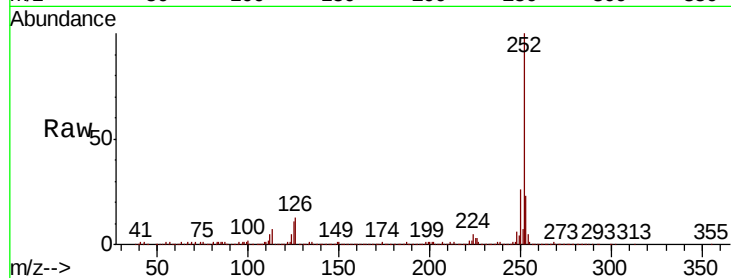
#88
Benzo(b)fluoranthene
Concen: 21.477 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-ADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	11.2	8.4	12.6

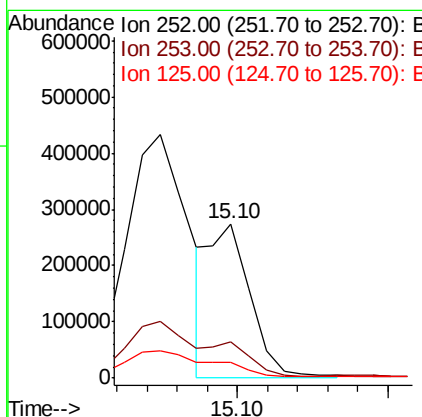
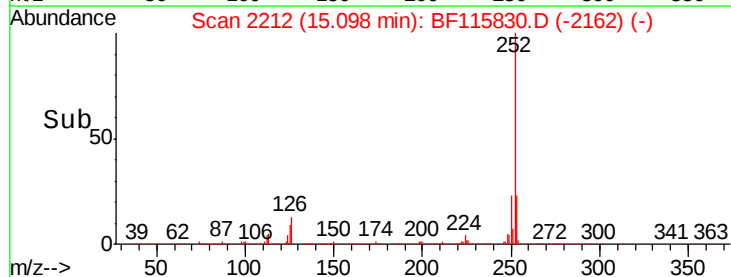
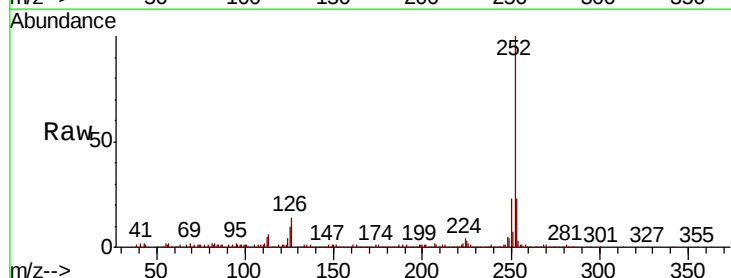
Manual Integrations
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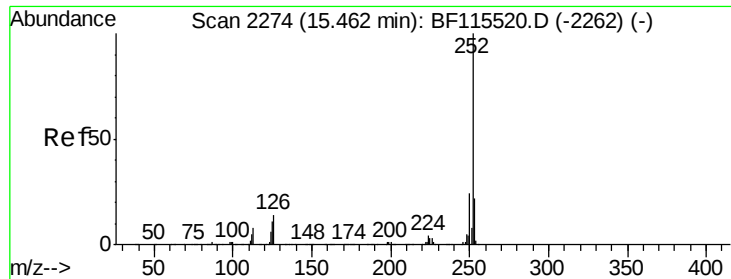
mohammad
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#89
Benzo(k)fluoranthene
Concen: 10.416 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	9.9	8.6	13.0





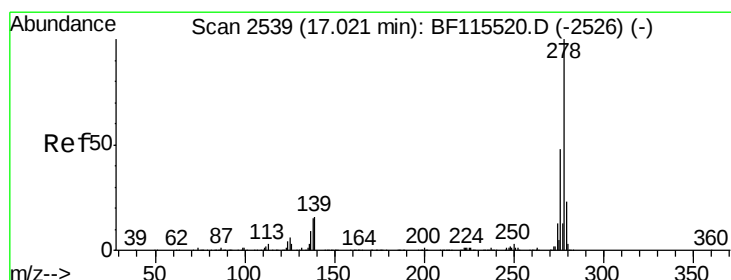
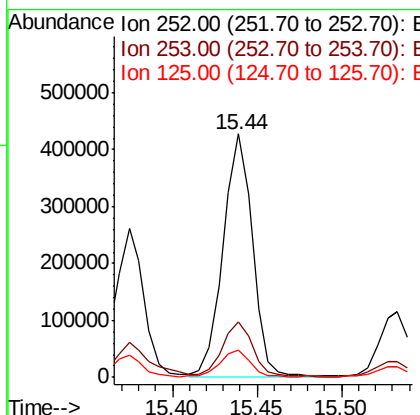
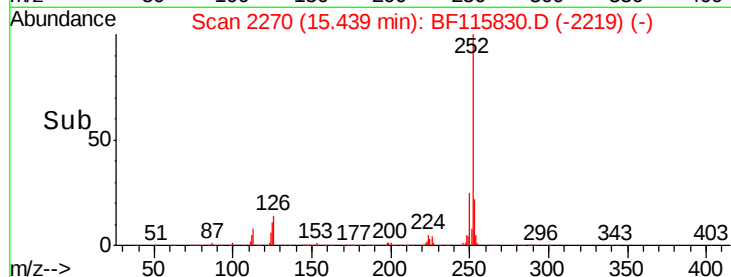
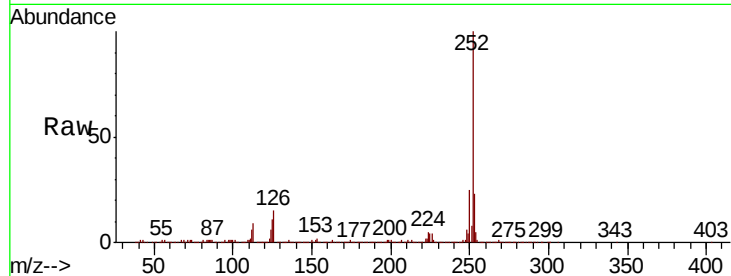
#90
Benzo(a)pyrene
Concen: 21.150 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-ADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	11.4	9.4	14.2

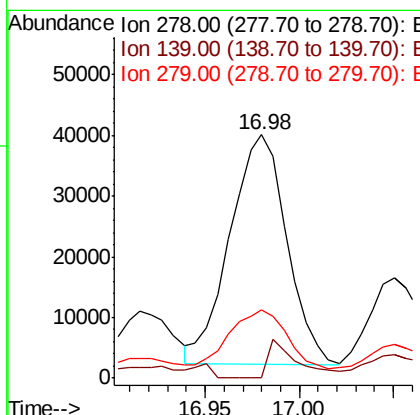
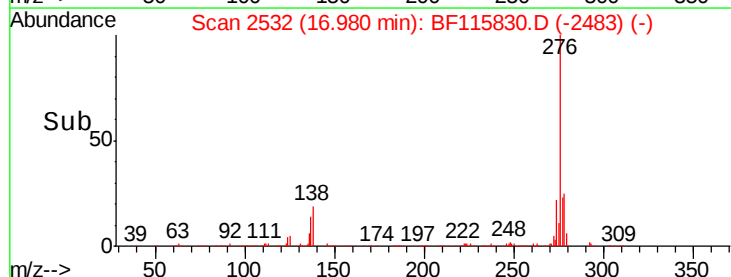
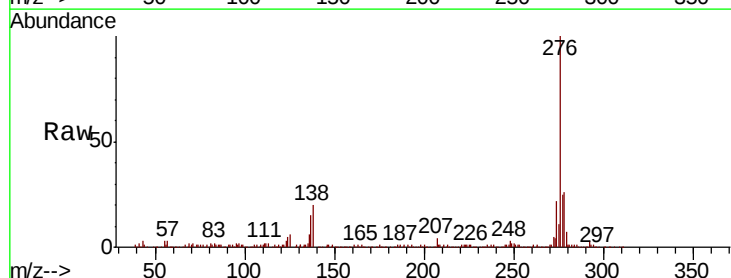
Manual Integrations
APPROVED

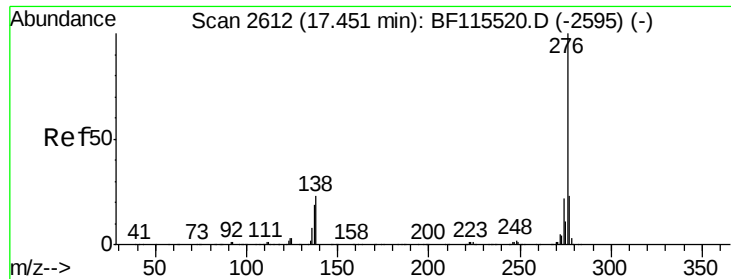
mohammad
7/29/2019 5:29:52 PM



#91
Dibenzo(a,h)anthracene
Concen: 3.684 ng m
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF115830.D
Acq: 27 Jul 2019 14:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.6	20.4#
279	27.8	19.6	29.4





#92
 Benzo(a,h,i)perylene
 Concen: 13.666 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.01 min
 Lab File: BF115830.D
 Acq: 27 Jul 2019 14:55

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-072519-ADL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.1	27.1
138	21.8	16.6	24.8

Manual Integrations
 APPROVED

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 7/29/2019 5:29:52 PM

