

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
 Data File : BF118436.D
 Acq On : 2 Jan 2020 15:33
 Operator : JU
 Sample : K6114-01DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-O1-122719DL

Manual Integrations
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Quant Time: Jan 02 16:06:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	88938	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	363898	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	197505	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	388658	20.00	ng	0.00
76) Chrysene-d12	14.04	240	257148	20.00	ng	0.00
87) Perylene-d12	15.53	264	288764	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	46009	8.83	ng	0.00
7) Phenol-d6	6.49	99	69700	10.78	ng	0.00
23) Nitrobenzene-d5	7.42	82	38958	6.12	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	23759	9.74	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	104108	8.05	ng	-0.01
79) Terphenyl-d14	12.97	244	118930	7.67	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.16	128	72503	3.920	ng	99
37) 2-Methylnaphthalene	8.85	142	51772	4.088	ng	97
38) 1-Methylnaphthalene	8.95	142	45841	3.842	ng	100
49) Acenaphthylene	9.76	152	51677	2.771	ng	95
52) Acenaphthene	9.93	154	55215	4.861	ng	98
55) Dibenzofuran	10.10	168	77357	4.609	ng	# 94
58) Fluorene	10.45	166	177751	13.120	ng	99
71) Phenanthrene	11.42	178	1201724	56.718	ng	99
72) Anthracene	11.47	178	281479	13.273	ng	98
73) Carbazole	11.62	167	110446	5.869	ng	97
75) Fluoranthene	12.62	202	1004390	46.971	ng	98
78) Pyrene	12.85	202	856021	40.765	ng	99
81) Benzo(a)anthracene	14.03	228	372706	20.706	ng	99
83) Chrysene	14.07	228	323102	18.747	ng	98
86) Indeno(1,2,3-cd)pyrene	17.04	276	176166	11.996	ng	96
88) Benzo(b)fluoranthene	15.10	252	367325m	19.163	ng	
89) Benzo(k)fluoranthene	15.12	252	109273m	5.937	ng	
90) Benzo(a)pyrene	15.47	252	278411	16.488	ng	97
91) Dibenzo(a,h)anthracene	17.04	278	48495	3.310	ng	# 78
92) Benzo(a,h,i)perylene	17.49	276	158848	11.222	ng	99

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

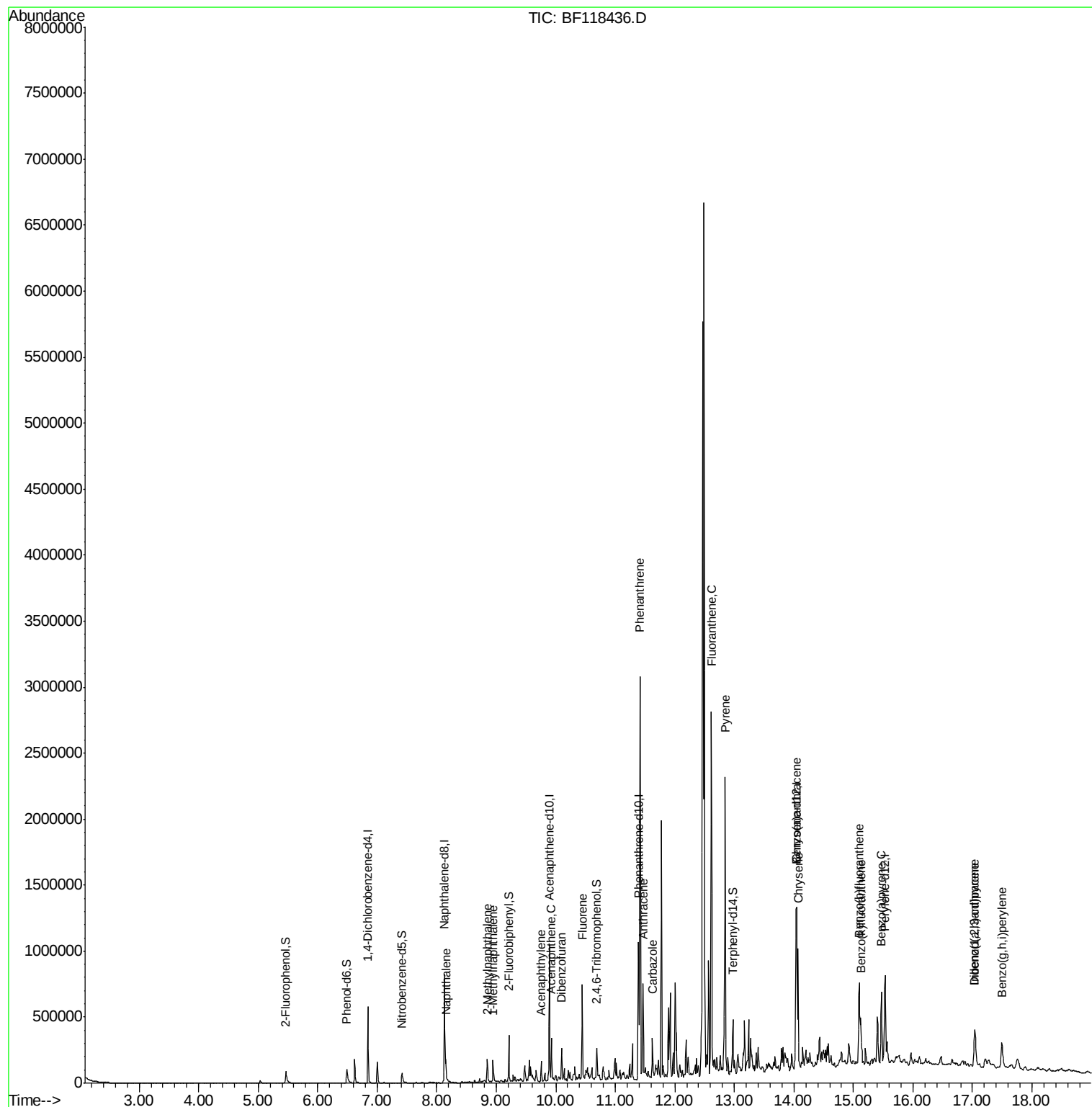
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118436.D
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Misc :
ALS Vial : 7 Sample Multiplier: 1

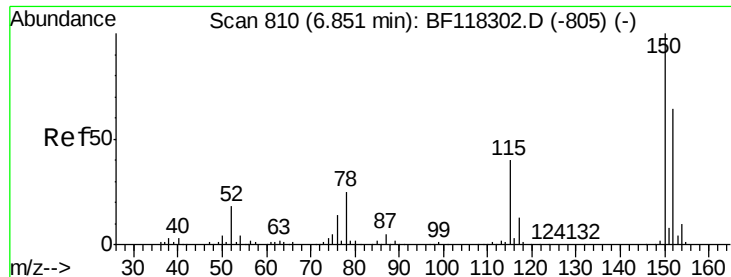
Instrument :
BNA_F
ClientSampleId :
EO-O1-122719DL

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Quant Time: Jan 02 16:06:33 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration





#1

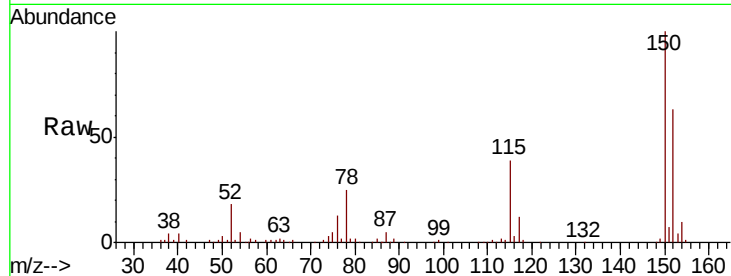
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Instrument :
BNA_F
ClientSampleId :
EO-O1-122719DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.4	188.2
115	61.4	50.2	75.4

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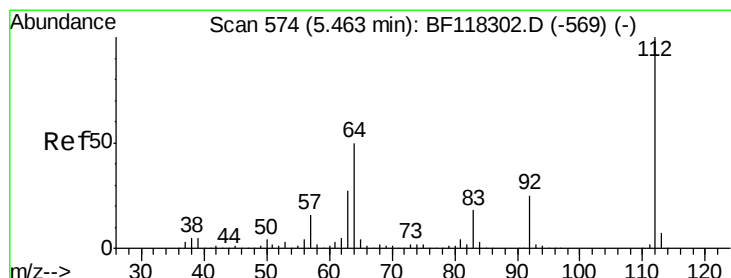
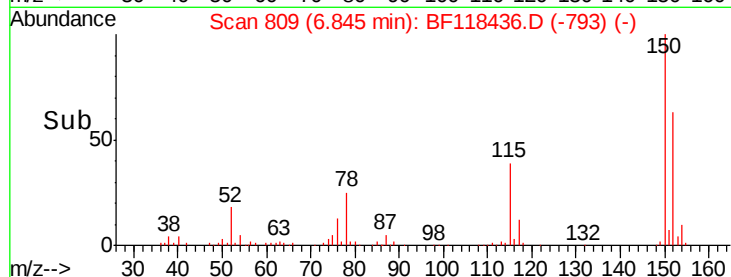
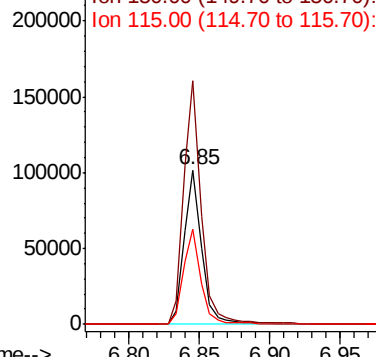


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

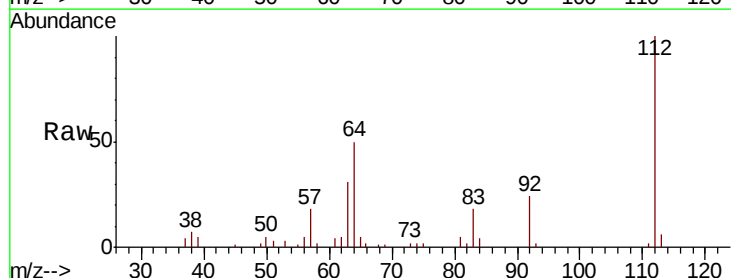
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 8.831 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.1	39.7	59.5
63	30.6	21.7	32.5

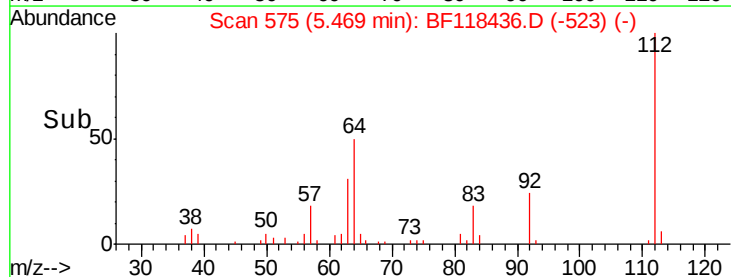
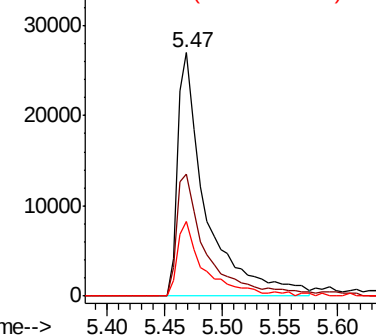


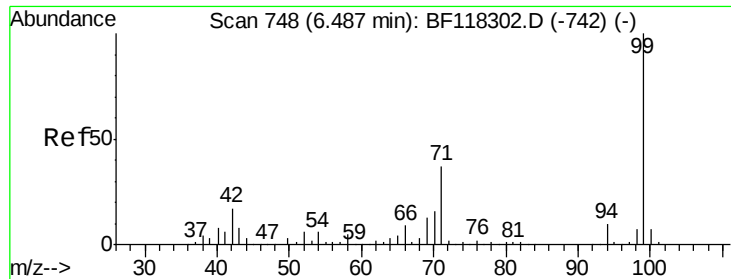
Abundance

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: 10.784 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118436.D

Acq: 2 Jan 2020 15:33

Instrument :

BNA_F

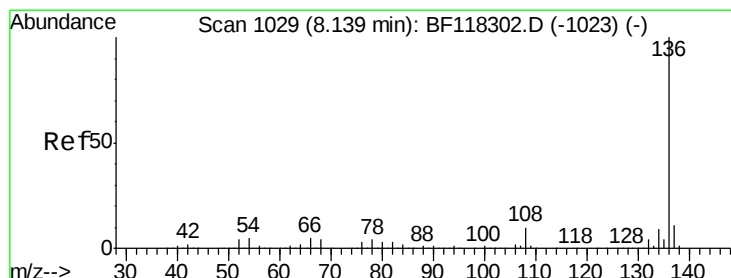
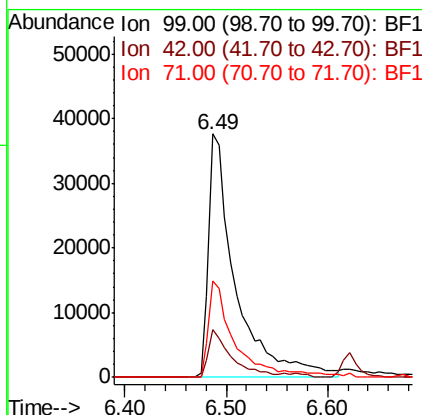
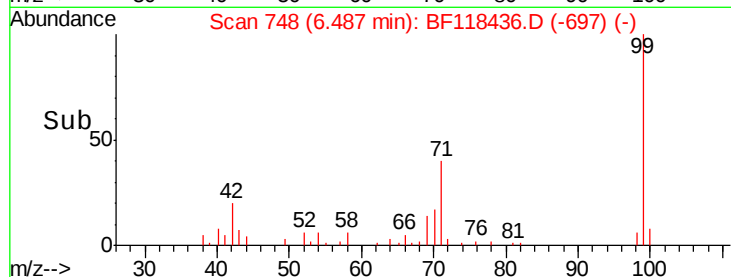
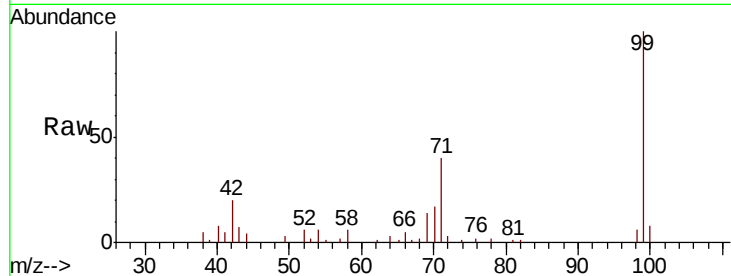
ClientSampleId :

EO-O1-122719DL

Tot Ion:	99	Resp:	69700
Ion	Ratio	Lower	Upper
99	100		
42	19.6	13.5	20.3
71	39.7	29.4	44.2

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#21

Naphthalene-d8

Concen: 20.000 ng

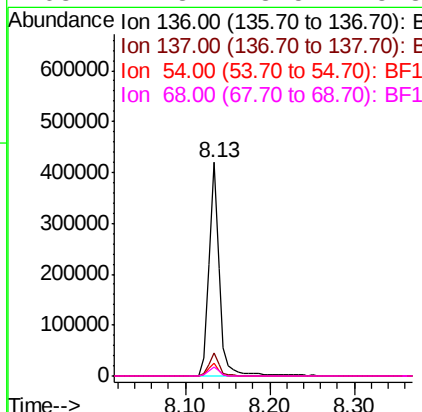
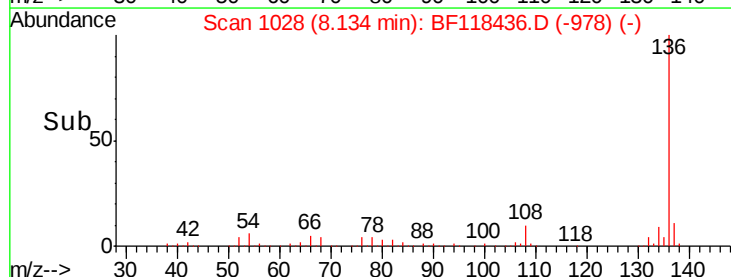
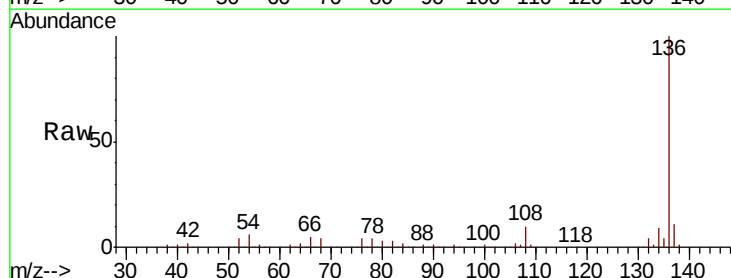
RT: 8.13 min Scan# 1028

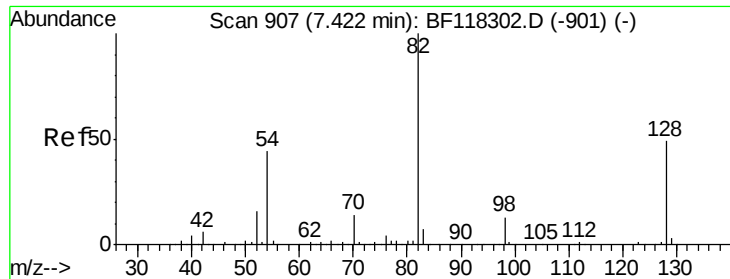
Delta R.T. -0.01 min

Lab File: BF118436.D

Acq: 2 Jan 2020 15:33

Tgt Ion:	136	Resp:	363898
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	5.8	4.2	6.4
68	4.3	3.5	5.3





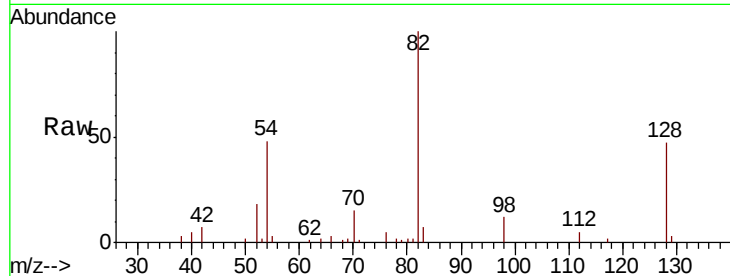
#23
Nitrobenzene-d5
Concen: 6.123 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Instrument :
BNA_F
ClientSampleId :
EO-O1-122719DL

Tot Ion	82	Resp	38958
Ion Ratio	100	Lower	Upper
82	100		
128	46.5	39.6	59.4
54	48.4	34.9	52.3

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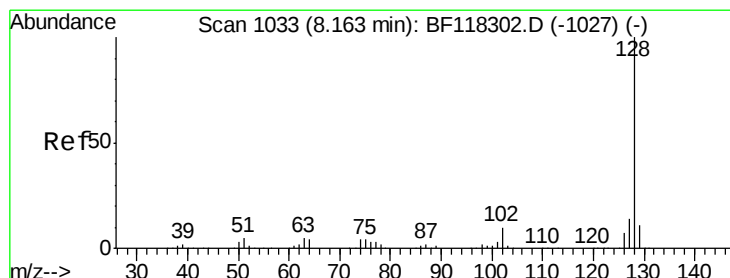
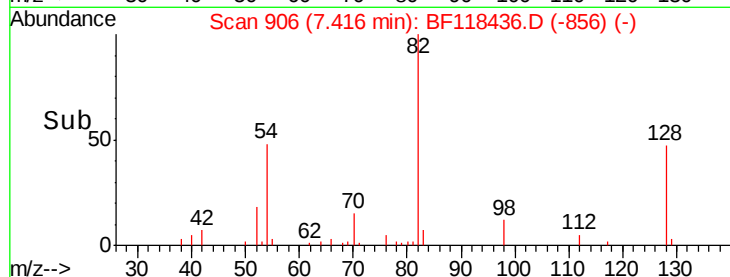
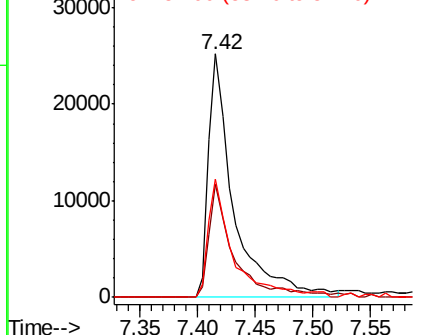


Abundance

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: 3.920 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

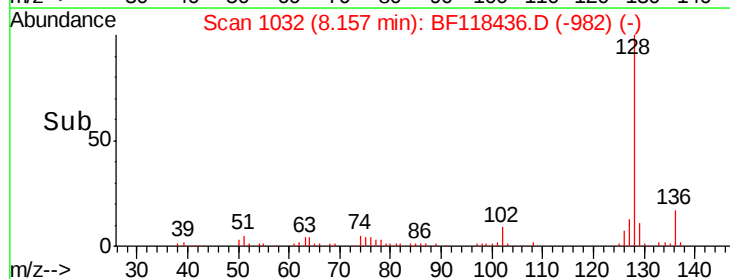
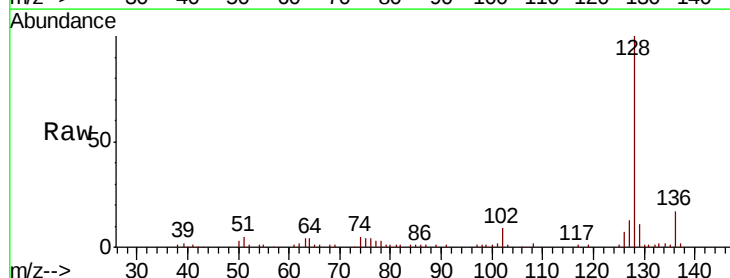
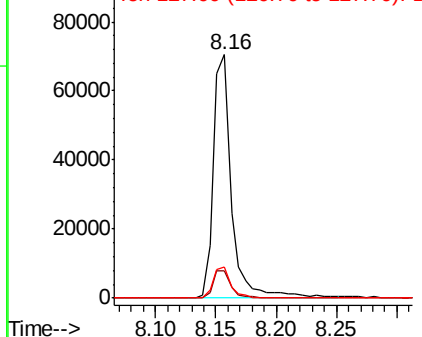
Tgt Ion	128	Resp	72503
Ion Ratio	100	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	12.9	11.0	16.4

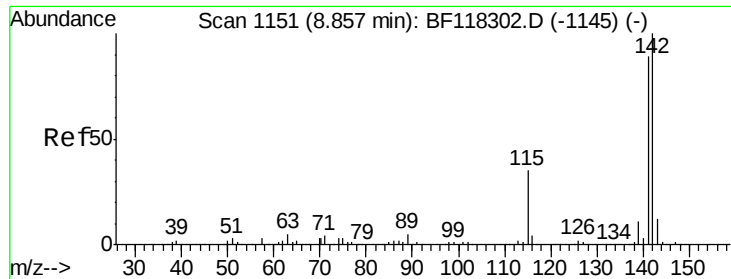
Abundance

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





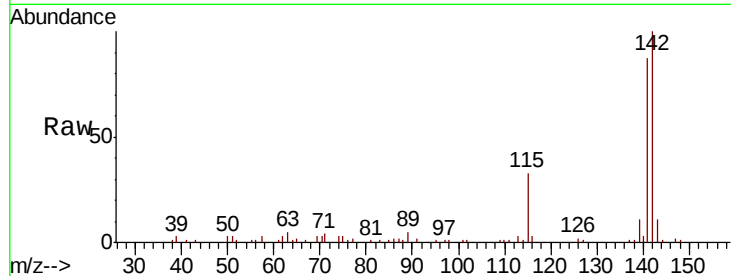
#37
2-Methylnaphthalene
Concen: 4.088 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Instrument :
BNA_F
ClientSampleId :
EO-O1-122719DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.7	71.2	106.8
115	33.2	28.0	42.0

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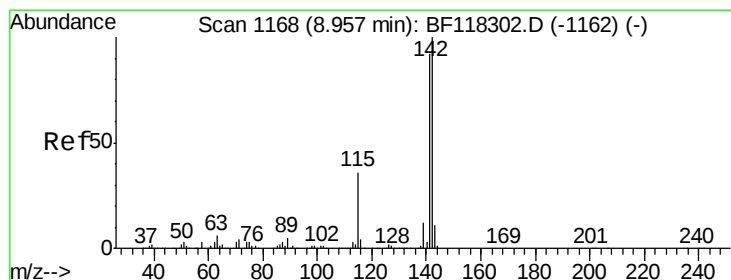
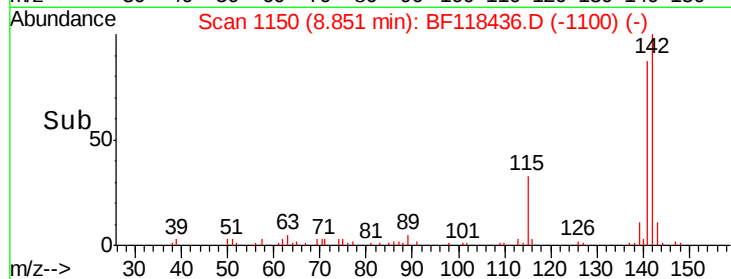
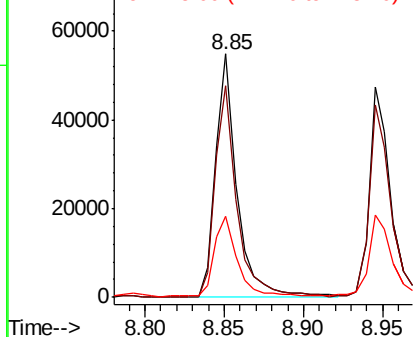


Abundance

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: 3.842 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

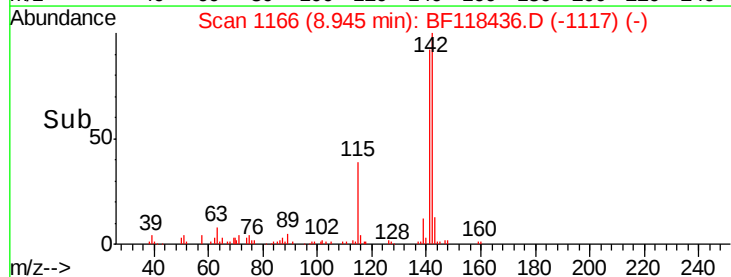
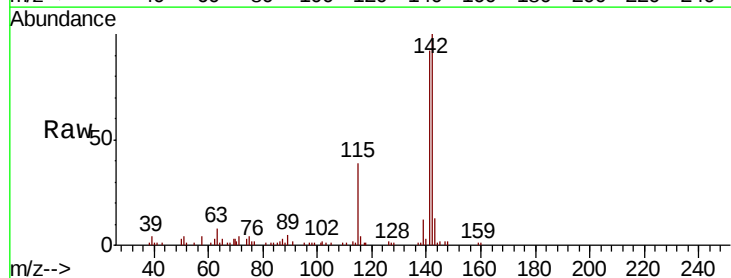
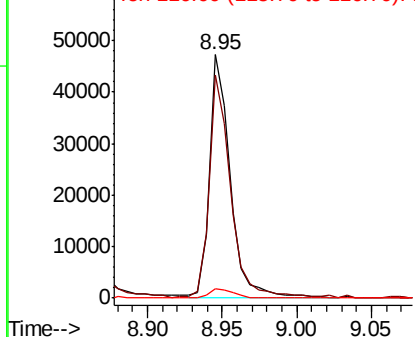
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.4	110.2
116	3.7	2.9	4.3

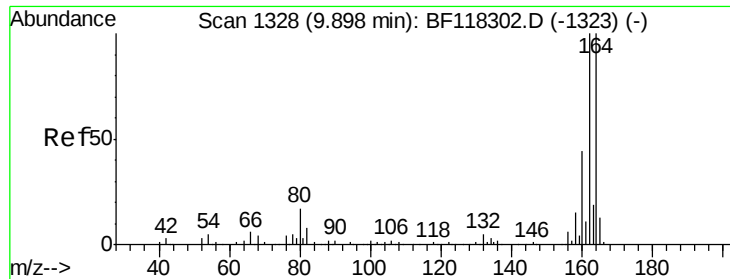
Abundance

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





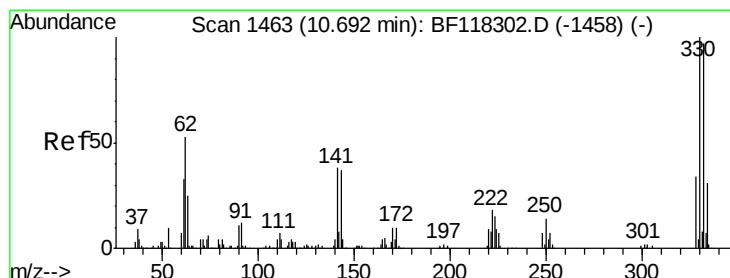
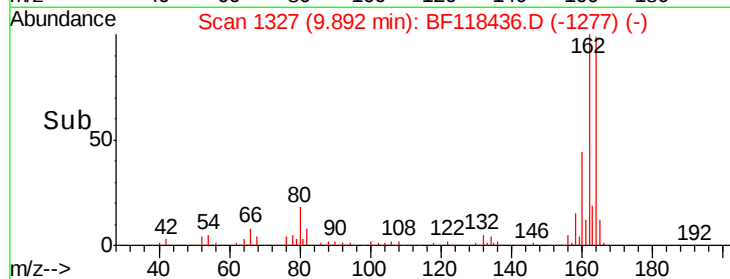
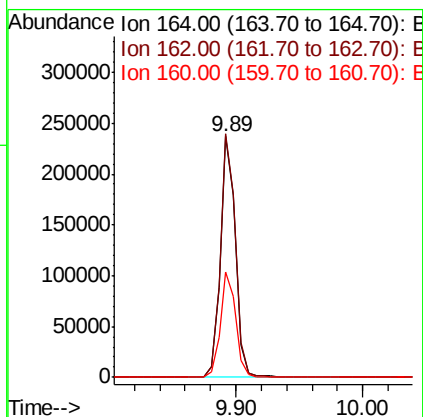
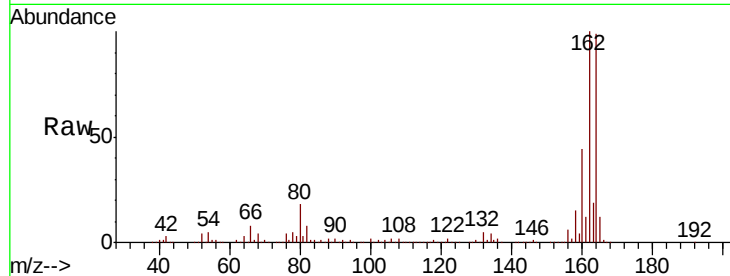
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Instrument :
BNA_F
ClientSampleId :
EO-O1-122719DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.1	80.0	120.0	
160	44.0	34.8	52.2	

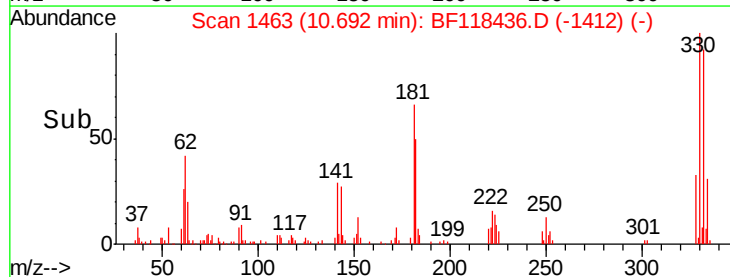
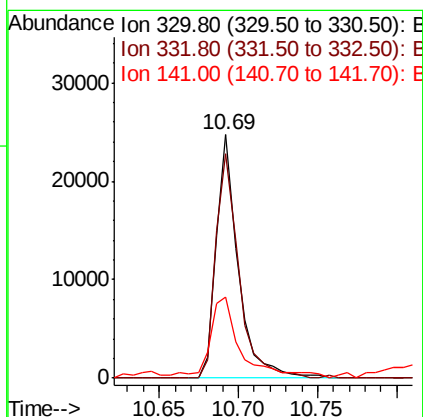
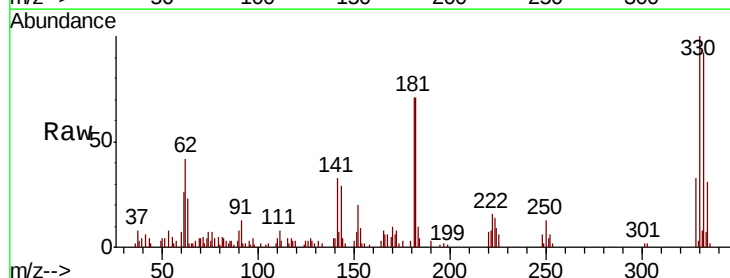
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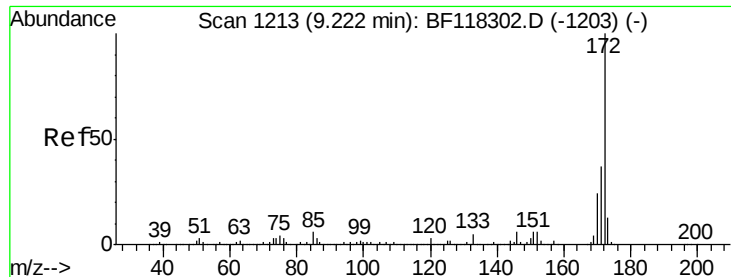
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#42
2,4,6-Tribromophenol
Concen: 9.741 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.00 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.0	76.6	114.8	
141	38.9	26.0	39.0	





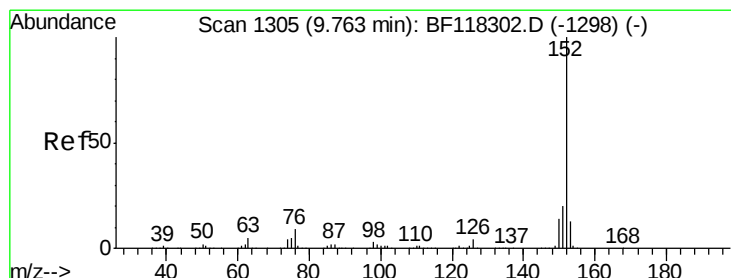
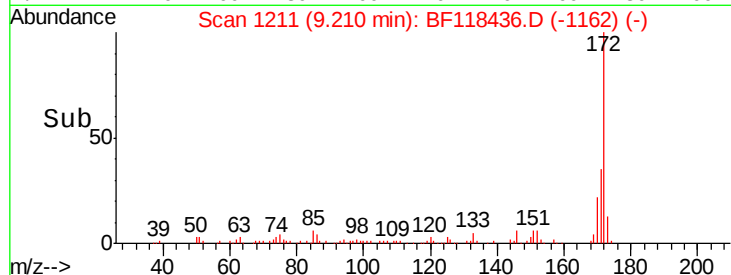
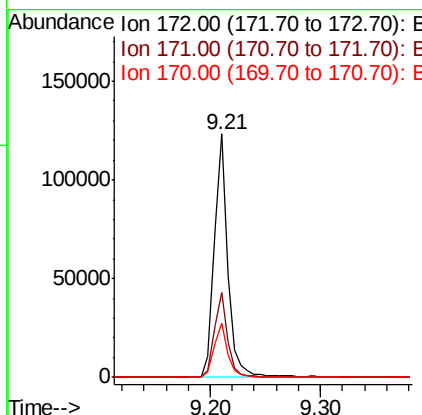
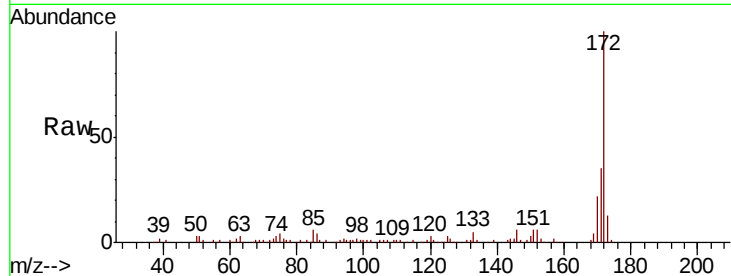
#45
2-Fluorobiphenyl
Concen: 8.046 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Instrument :
BNA_F
ClientSampleId :
EO-O1-122719DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.3	43.9
170	22.4	19.2	28.8

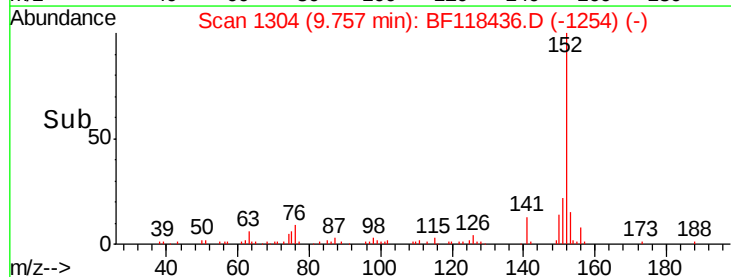
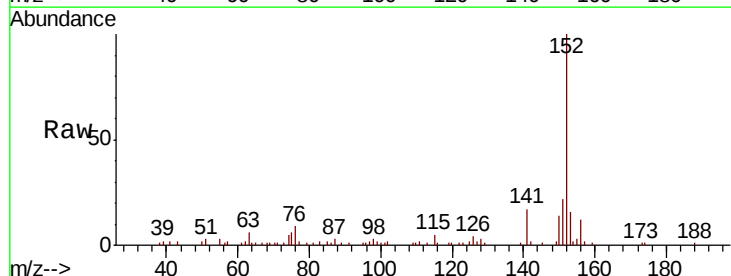
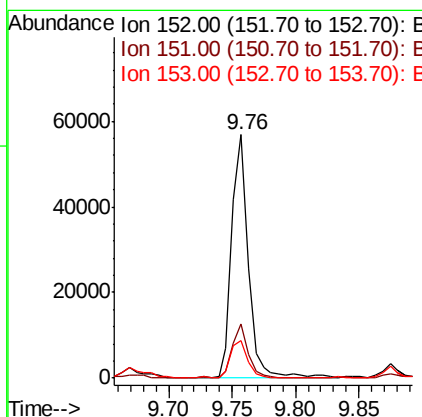
Manual Integrations
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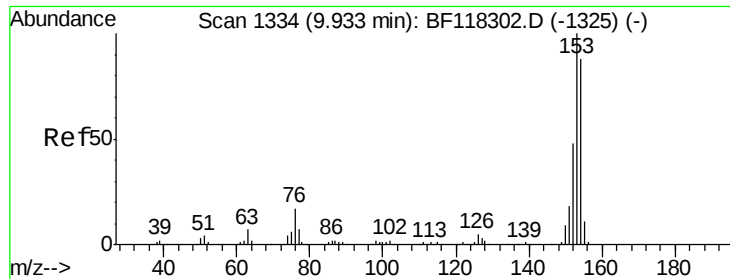
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#49
Acenaphthylene
Concen: 2.771 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.0	16.2	24.2
153	15.6	10.5	15.7





#52

Acenaphthene

Concen: 4.861 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF118436.D

Acq: 2 Jan 2020 15:33

Instrument :

BNA_F

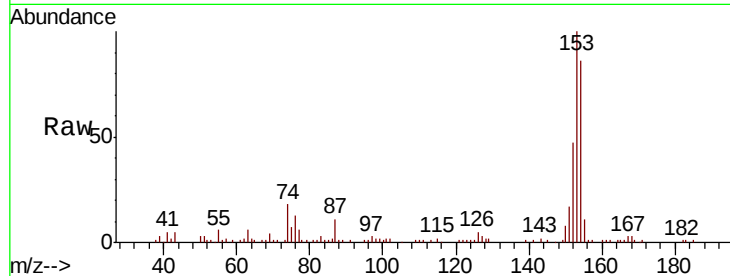
ClientSampleId :

EO-O1-122719DL

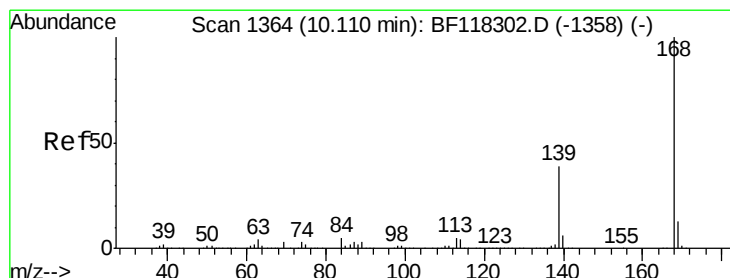
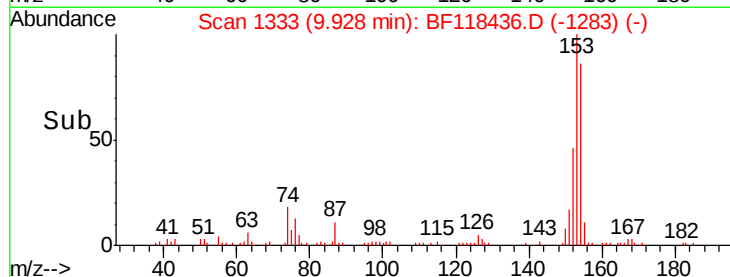
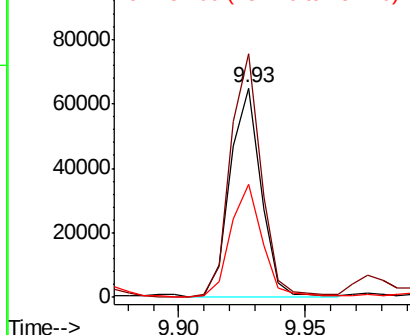
Tot Ion:	154	Resp:	55215
Ion Ratio	Lower	Upper	
154	100		
153	116.3	90.6	136.0
152	54.2	43.1	64.7

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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



#55

Dibenzofuran

Concen: 4.609 ng

RT: 10.10 min Scan# 1362

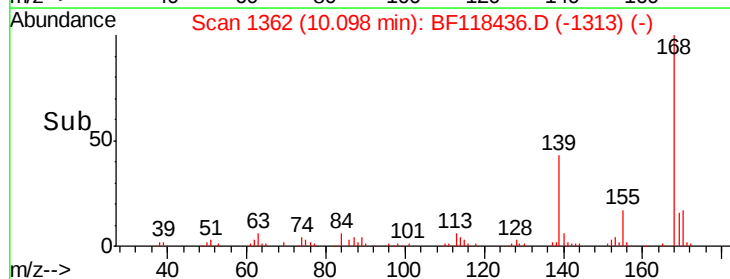
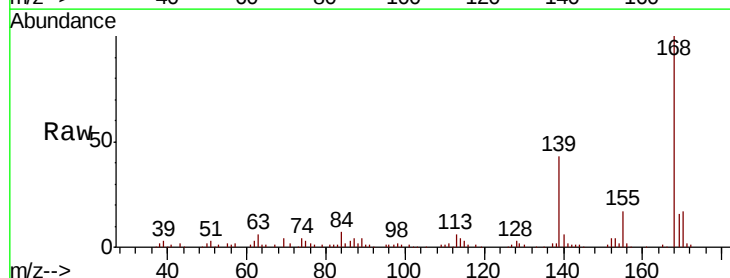
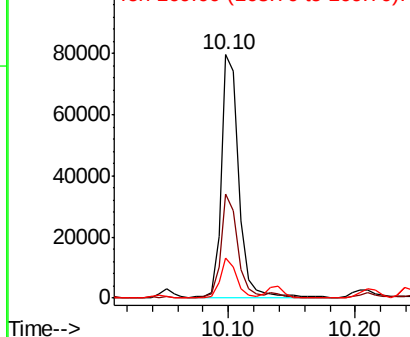
Delta R.T. -0.01 min

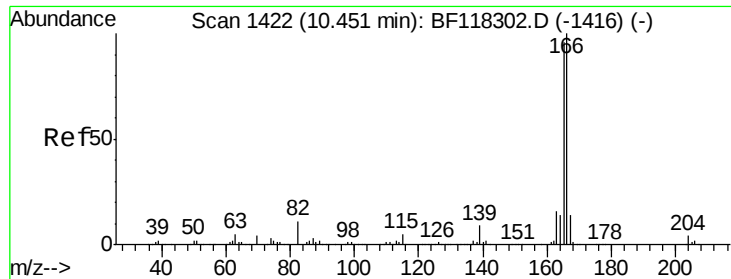
Lab File: BF118436.D

Acq: 2 Jan 2020 15:33

Tgt Ion:	168	Resp:	77357
Ion Ratio	Lower	Upper	
168	100		
139	42.8	31.5	47.3
169	16.4	10.4	15.6#

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





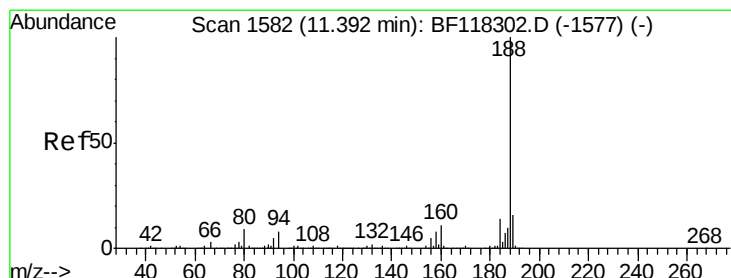
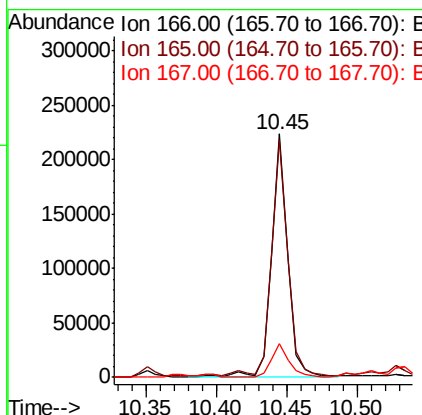
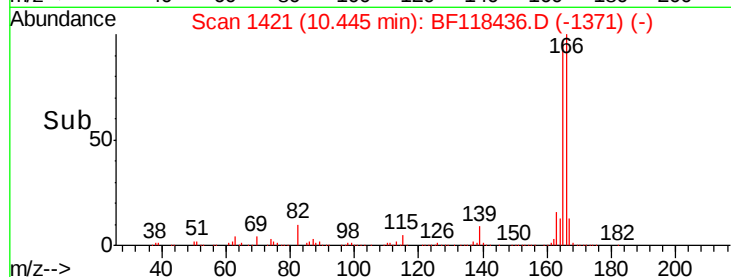
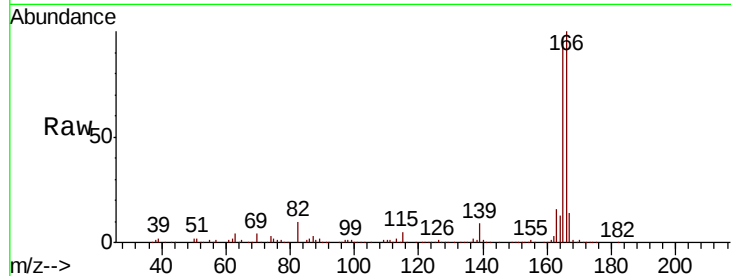
#58
 Fluorene
 Concen: 13.120 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF118436.D
 Acq: 2 Jan 2020 15:33

Instrument :
 BNA_F
 ClientSampleId :
 EO-O1-122719DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	97.4	77.0	115.4		
167	13.8	10.9	16.3		

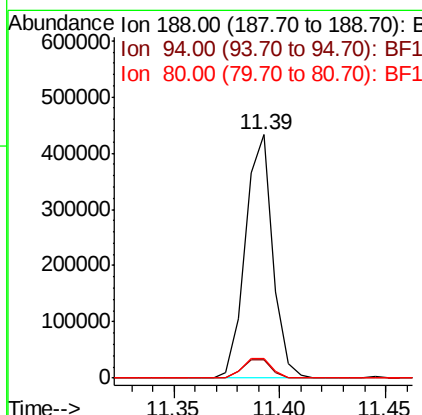
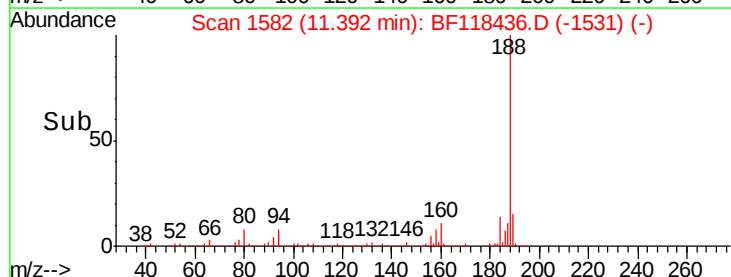
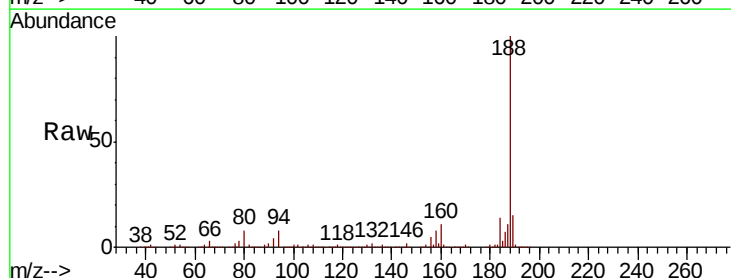
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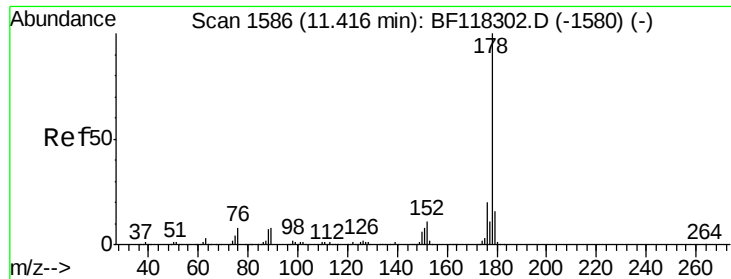
mohammad
 1/3/2020 11:04:07 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: BF118436.D
 Acq: 2 Jan 2020 15:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	7.8	6.7	10.1		
80	8.1	7.2	10.8		





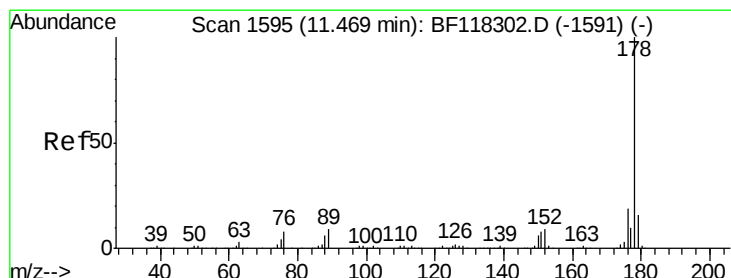
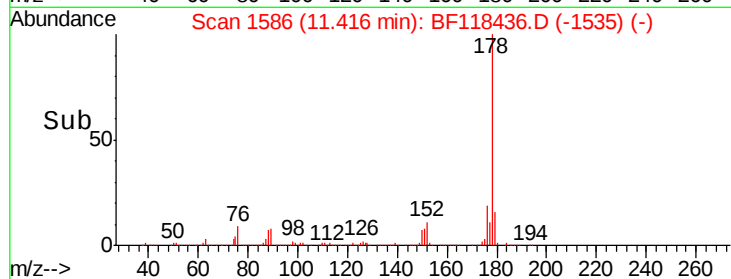
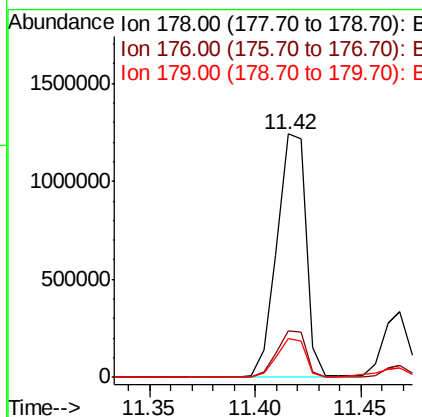
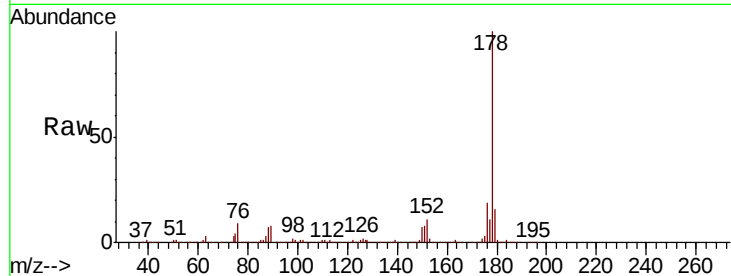
#71
Phenanthrene
Concen: 56.718 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Instrument :
BNA_F
ClientSampleId :
EO-O1-122719DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.8	12.6	19.0

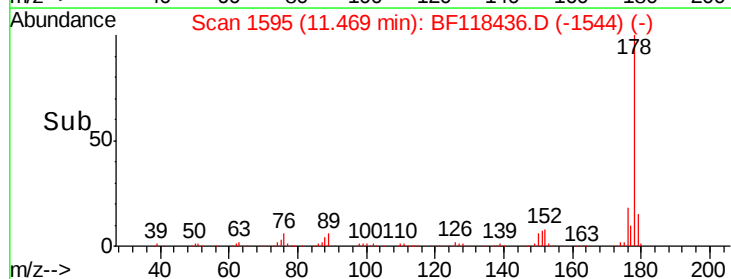
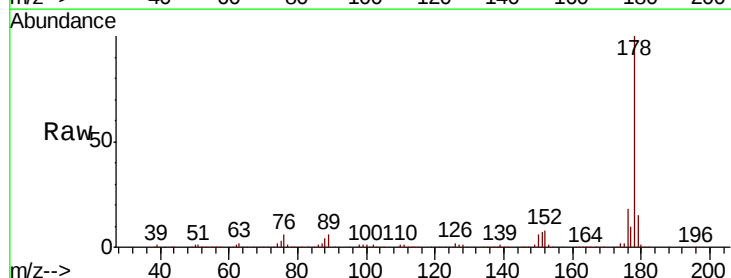
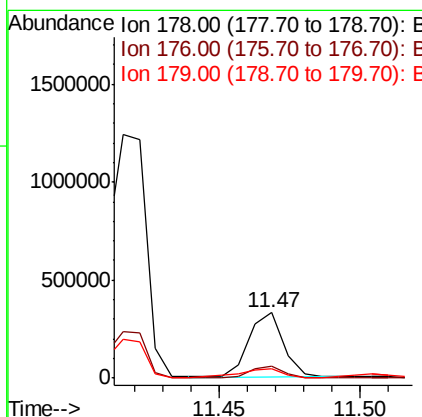
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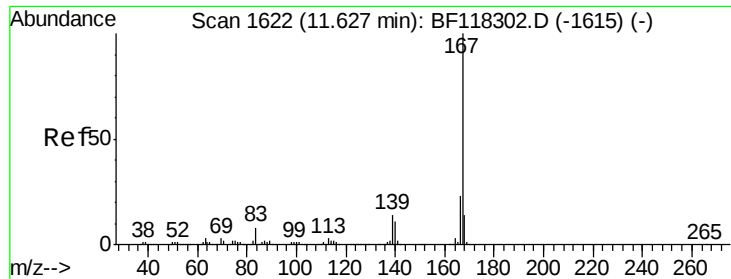
mohammad
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#72
Anthracene
Concen: 13.273 ng
RT: 11.47 min Scan# 1595
Delta R.T. 0.00 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.2	22.8
179	15.0	12.9	19.3





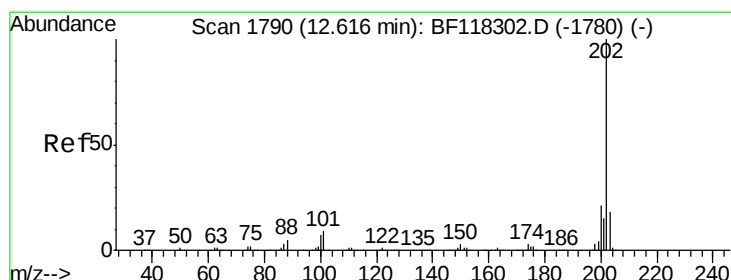
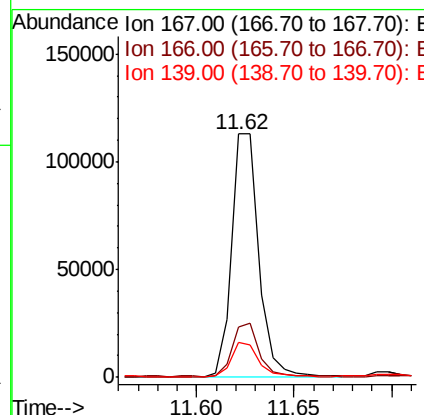
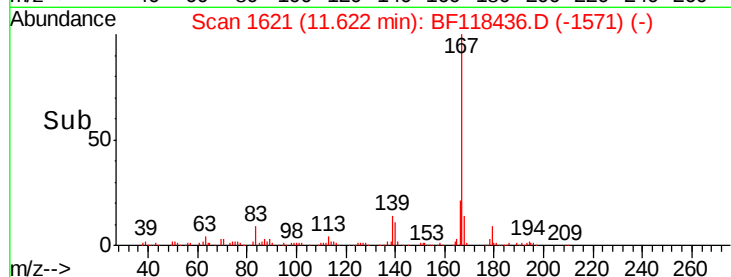
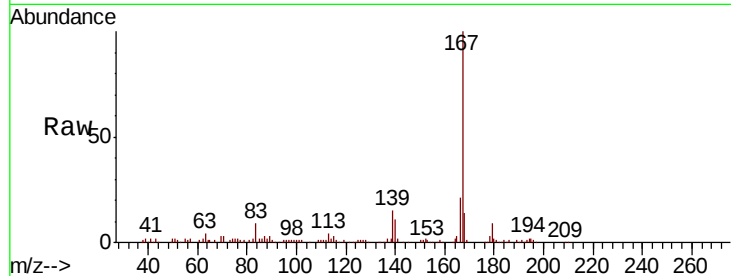
#73
 Carbazole
 Concen: 5.869 ng
 RT: 11.62 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BF118436.D
 Acq: 2 Jan 2020 15:33

Instrument :
 BNA_F
 ClientSampleId :
 EO-O1-122719DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.7	18.1	27.1
139	14.6	11.5	17.3

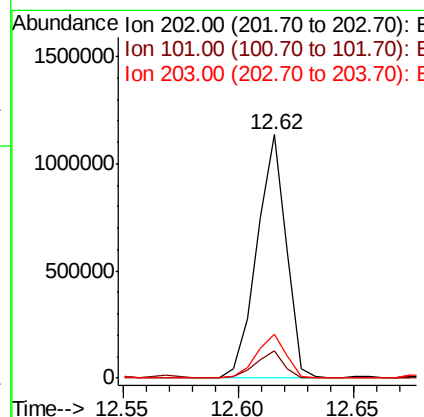
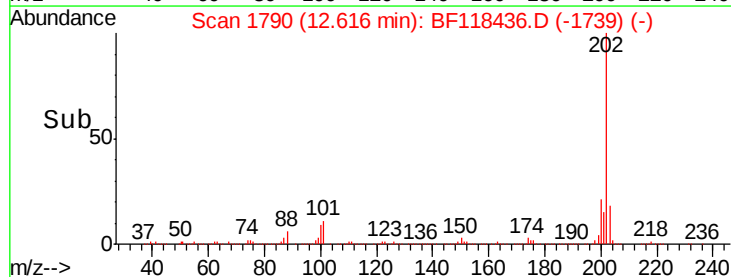
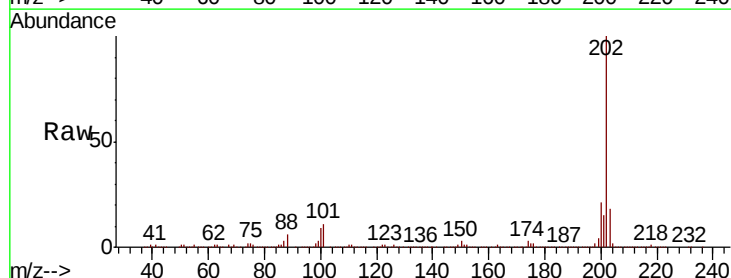
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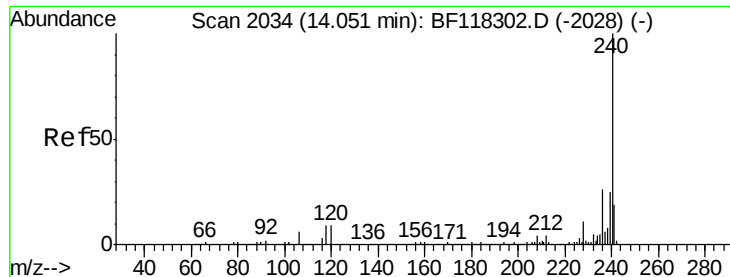
mohammad
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#75
 Fluoranthene
 Concen: 46.971 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: BF118436.D
 Acq: 2 Jan 2020 15:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	29.5
203	17.8	0.0	37.6





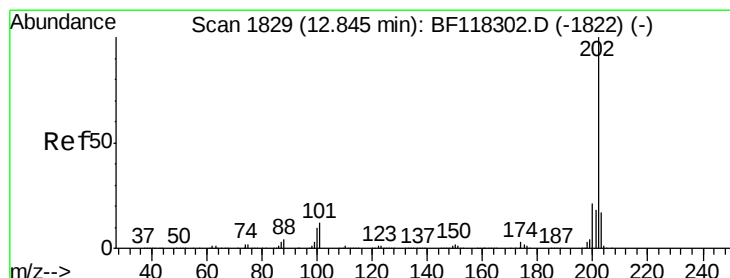
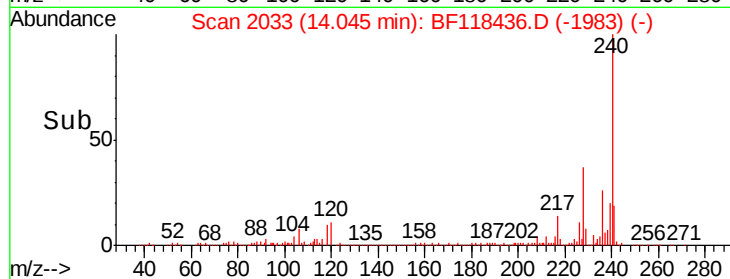
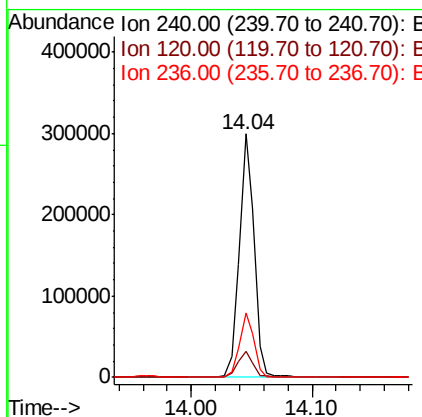
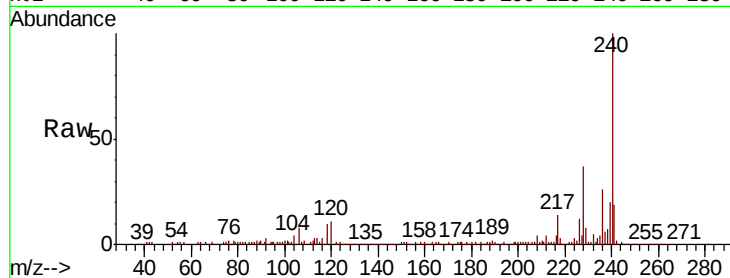
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Instrument :
BNA_F
ClientSampleId :
EO-O1-122719DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	7.1	10.7
236	26.2	21.0	31.6

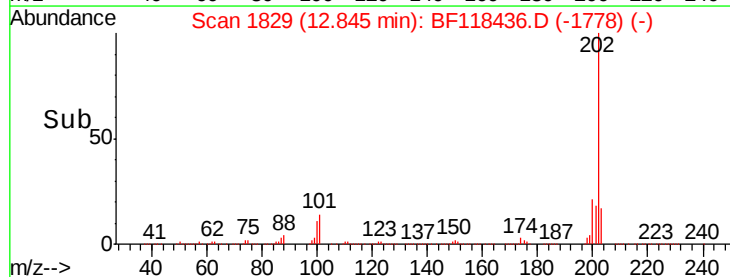
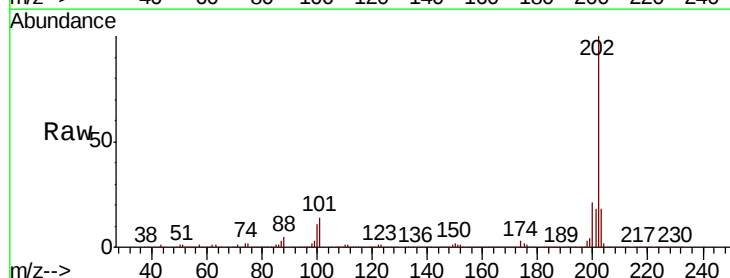
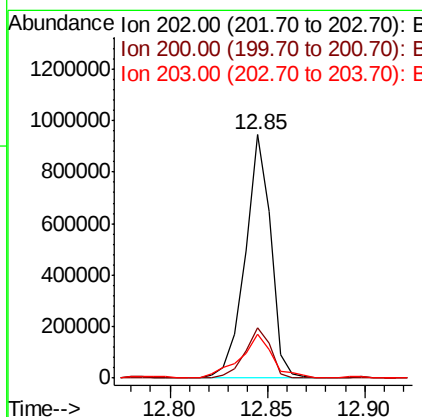
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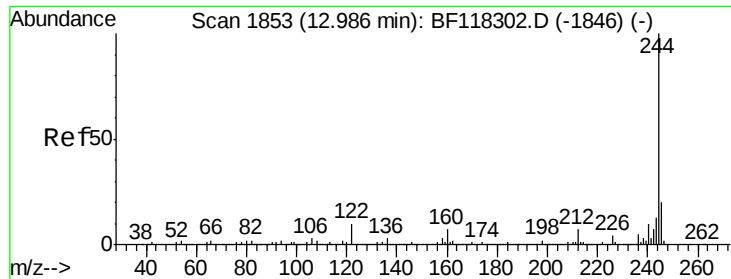
mohammad
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#78
Pyrene
Concen: 40.765 ng
RT: 12.85 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.9	13.9	20.9





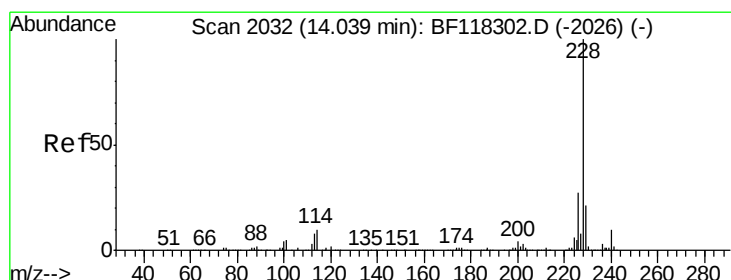
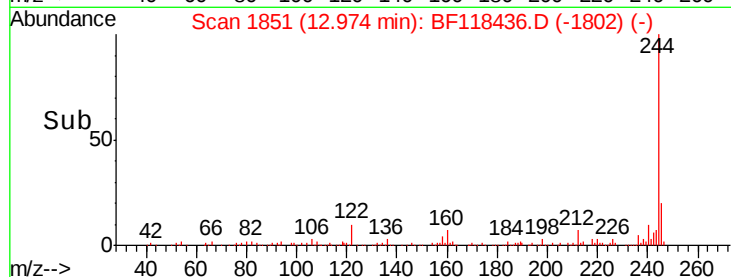
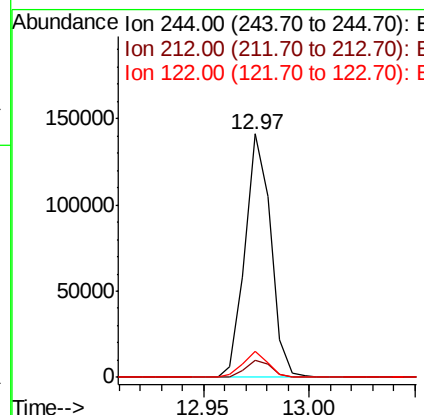
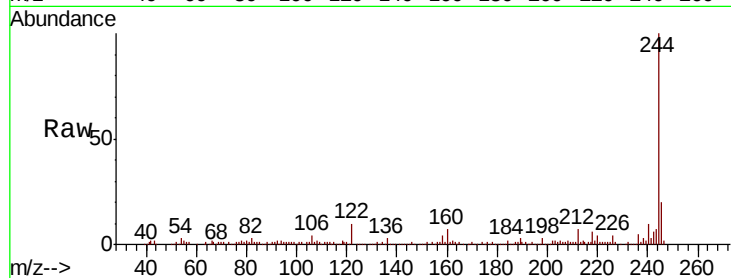
#79
 Terphenyl-d14
 Concen: 7.673 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF118436.D
 Acq: 2 Jan 2020 15:33

Instrument :
 BNA_F
 ClientSampleId :
 EO-O1-122719DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.2
122	10.5	7.8	11.8

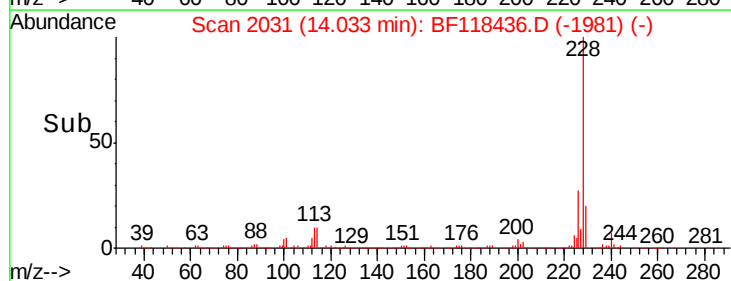
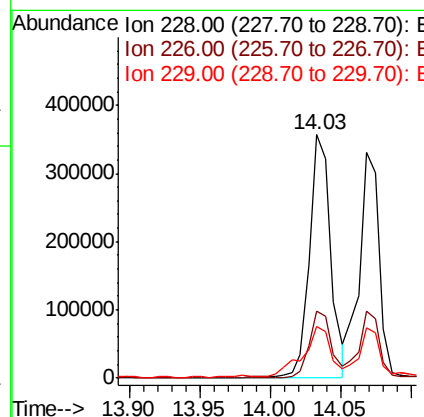
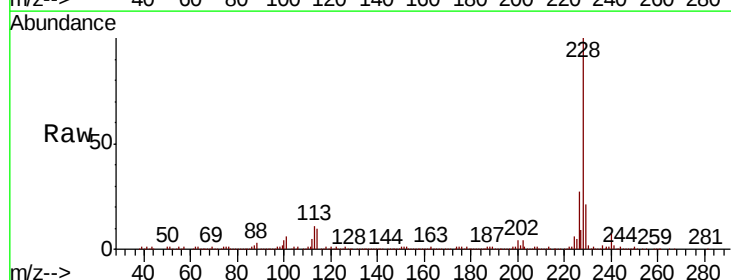
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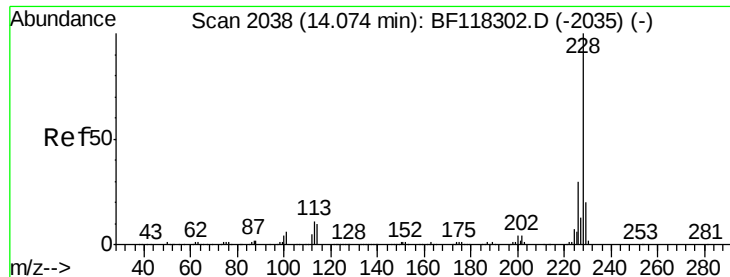
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#81
 Benzo(a)anthracene
 Concen: 20.706 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF118436.D
 Acq: 2 Jan 2020 15:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.0	33.0
229	21.1	16.6	24.8





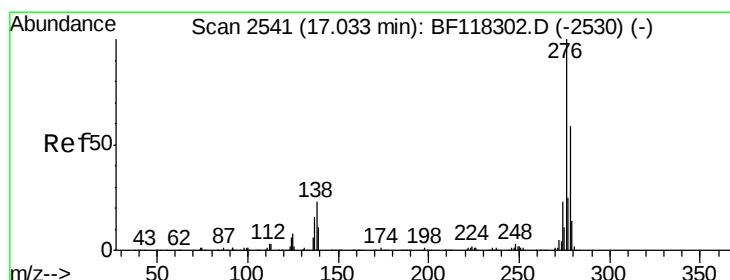
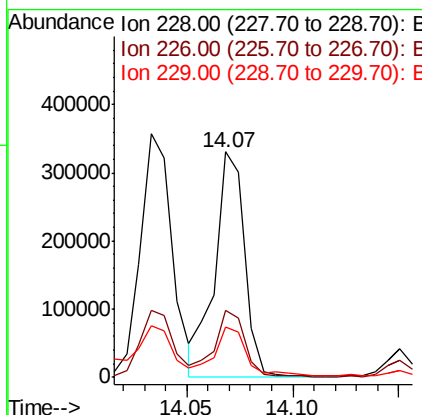
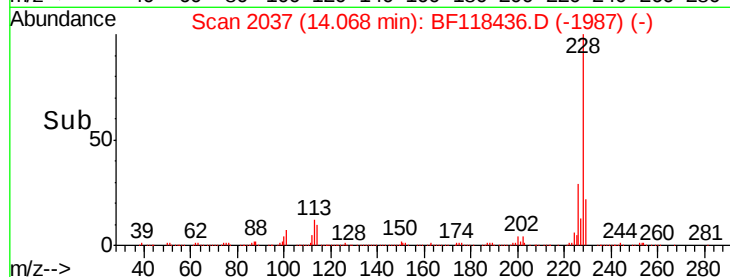
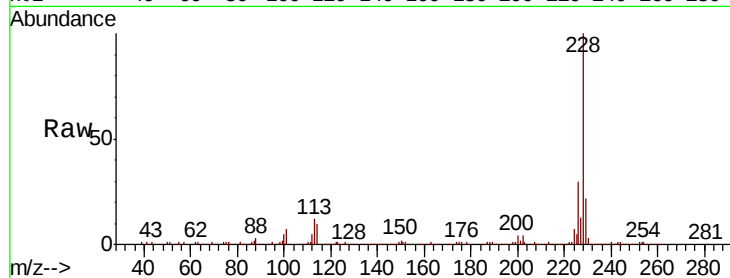
#83
Chrysene
Concen: 18.747 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Instrument :
BNA_F
ClientSampleId :
EO-O1-122719DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	22.5	16.1	24.1

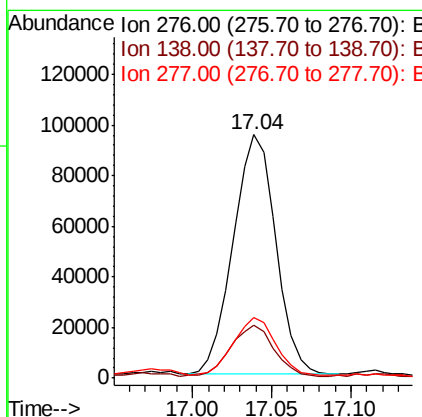
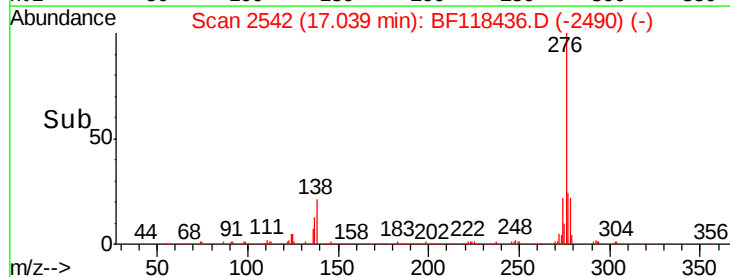
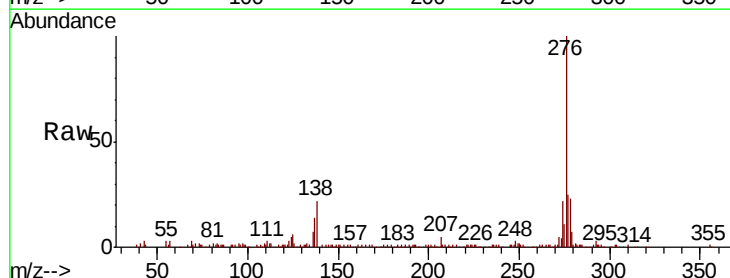
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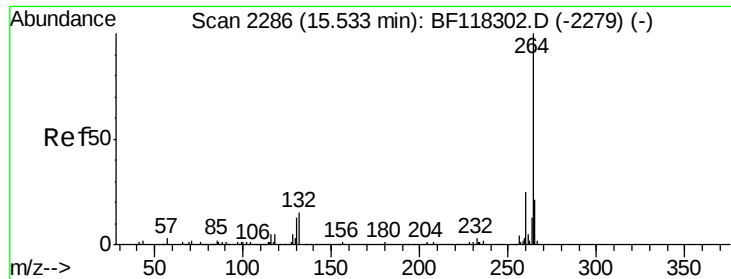
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 11.996 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	19.5	29.3
277	24.5	20.6	30.8





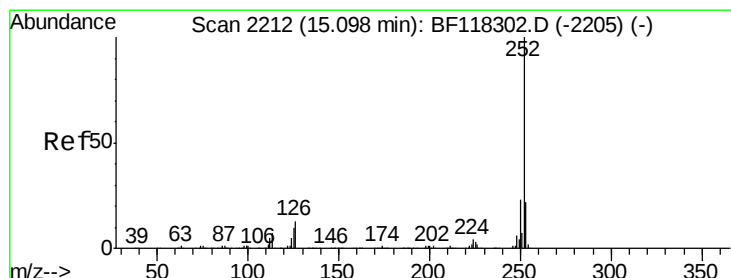
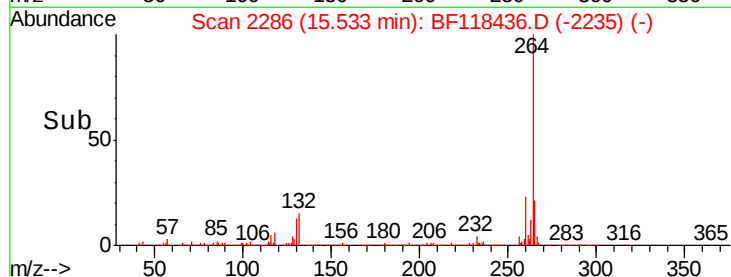
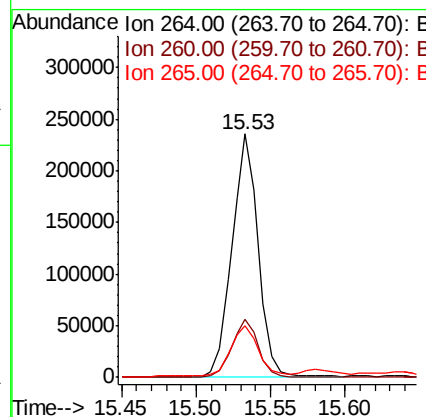
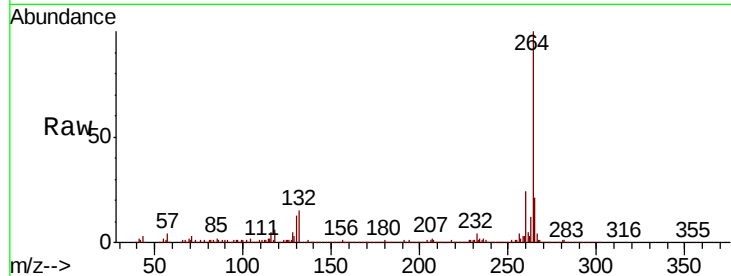
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.00 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Instrument :
BNA_F
ClientSampleId :
EO-O1-122719DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.8	29.6
265	21.4	17.0	25.4

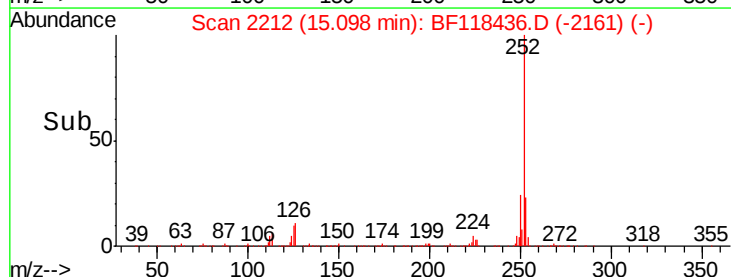
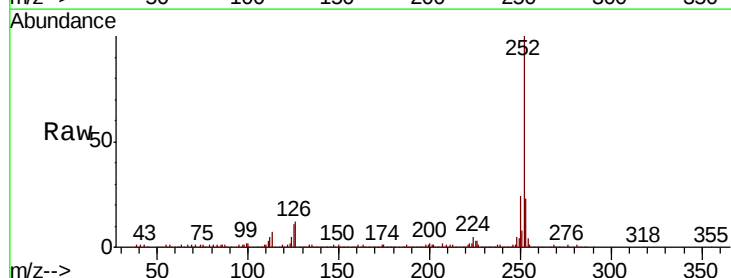
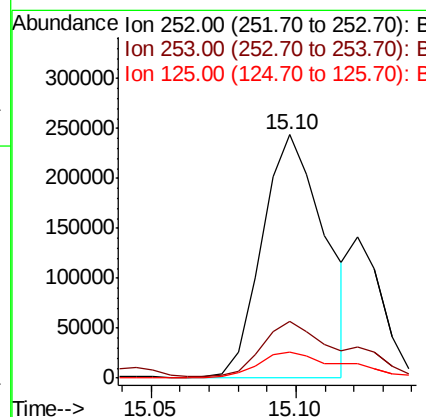
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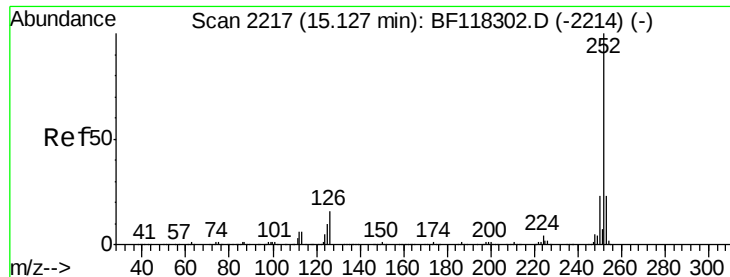
mohammad
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#88
Benzo(b)fluoranthene
Concen: 19.163 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	10.8	7.7	11.5





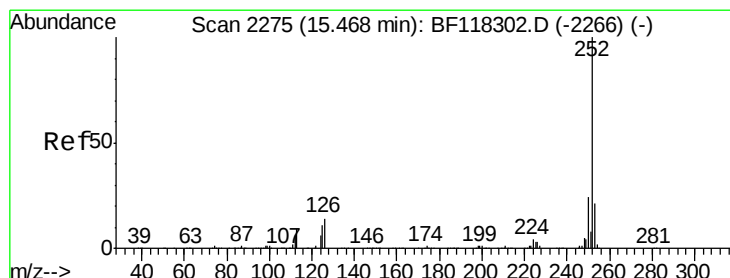
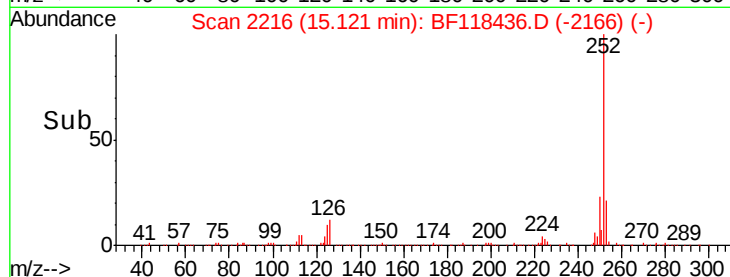
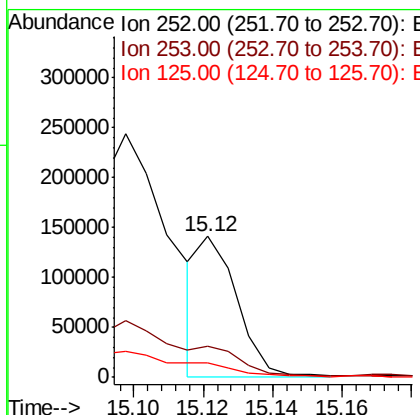
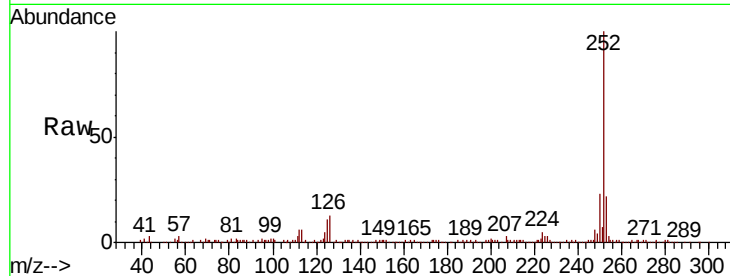
#89
Benzo(k)fluoranthene
Concen: 5.937 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Instrument :
BNA_F
ClientSampleId :
EO-O1-122719DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	10.6	8.0	12.0

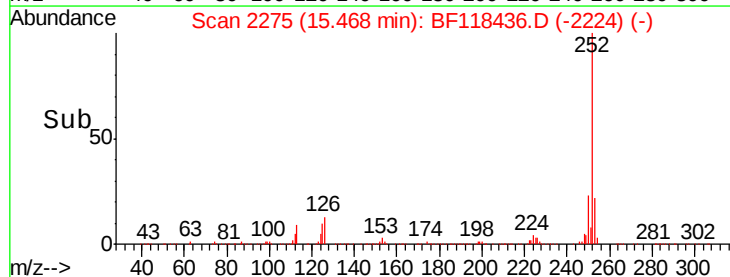
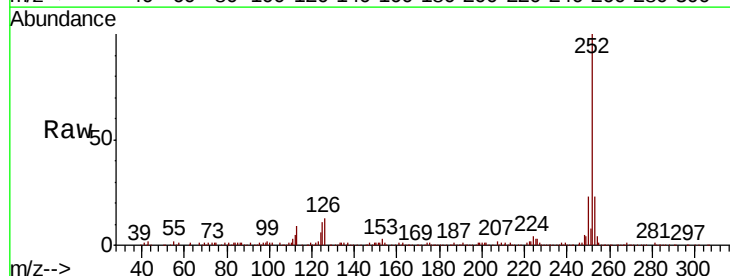
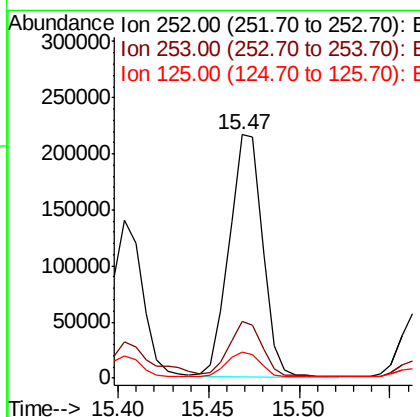
Manual Integrations
APPROVED

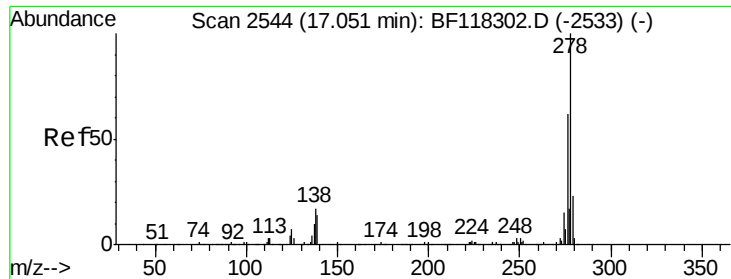
mohammad
1/3/2020 11:04:07 AM



#90
Benzo(a)pyrene
Concen: 16.488 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	10.9	9.0	13.4





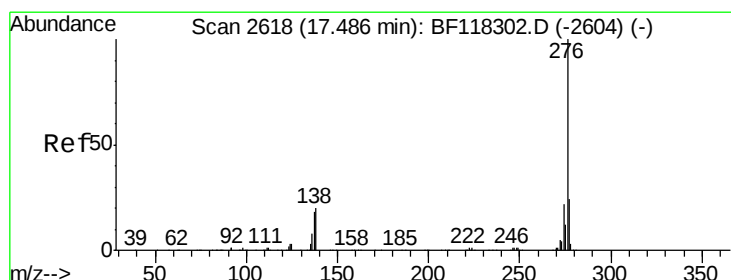
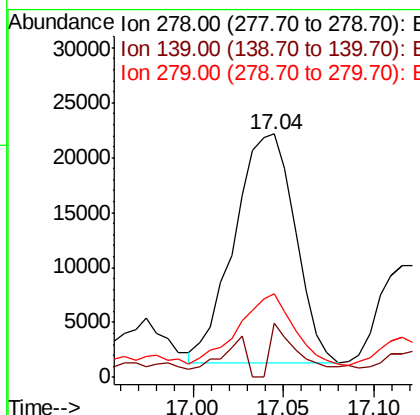
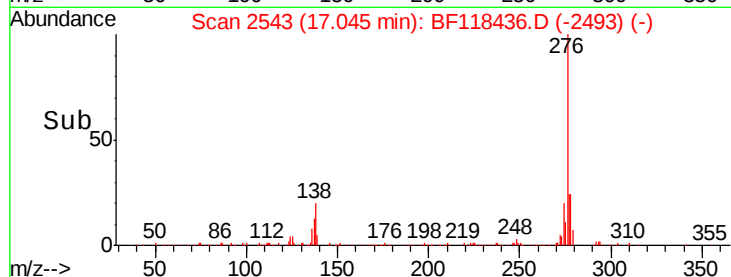
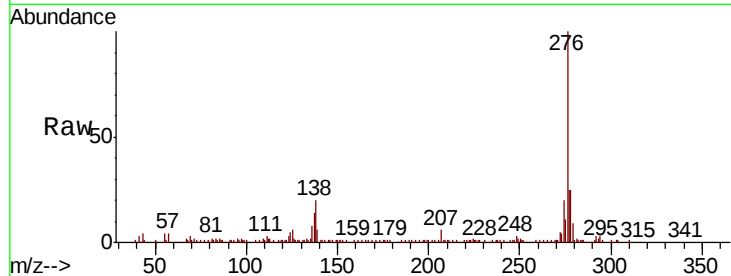
#91
Dibenzo(a,h)anthracene
Concen: 3.310 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Instrument :
BNA_F
ClientSampleId :
EO-O1-122719DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.4	11.5	17.3#
279	34.4	18.3	27.5#

Manual Integrations
APPROVED

mohammad
1/3/2020 11:04:07 AM



#92
Benzo(g,h,i)perylene
Concen: 11.222 ng
RT: 17.49 min Scan# 2619
Delta R.T. 0.01 min
Lab File: BF118436.D
Acq: 2 Jan 2020 15:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.1	28.7
138	20.6	16.1	24.1

