

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
 Data File : BP001142.D
 Acq On : 02 Dec 2019 23:12
 Operator : JU
 Sample : K5959-10DL 200X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WS-112019-0-2-COMP-B2DL

Manual Integrations
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mohammad
 12/4/2019 5:00:20 PM

Quant Time: Dec 03 01:23:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 17:38:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	141165	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	510201	20.00	ng	0.00
39) Acenaphthene-d10	13.23	164	265079	20.00	ng	0.00
64) Phenanthrene-d10	15.63	188	502435	20.00	ng	0.00
76) Chrysene-d12	19.27	240	393734	20.00	ng	0.00
87) Perylene-d12	21.05	264	435638	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	4272	0.50	ng	0.00
7) Phenol-d6	7.76	99	6048	0.53	ng	0.00
23) Nitrobenzene-d5	9.20	82	3368	0.29	ng	0.00
42) 2,4,6-Tribromophenol	14.52	330	968	0.38	ng	0.00
45) 2-Fluorobiphenyl	12.14	172	6706	0.37	ng	-0.01
79) Terphenyl-d14	17.90	244	8842	0.42	ng	-0.01
Target Compounds						
31) Naphthalene	10.40	128	89559	3.437	ng	Qvalue 98
49) Acenaphthylene	12.99	152	65309	2.663	ng	98
52) Acenaphthene	13.28	154	62294	4.222	ng	98
55) Dibenzofuran	13.56	168	78790	3.554	ng	97
58) Fluorene	14.13	166	70033	3.942	ng	99
71) Phenanthrene	15.66	178	1189893	45.047	ng	100
72) Anthracene	15.74	178	264919	10.175	ng	99
73) Carbazole	15.98	167	73246	3.092	ng	99
75) Fluoranthene	17.37	202	1454589	52.016	ng	100
78) Pyrene	17.68	202	1313379	42.352	ng	98
81) Benzo(a)anthracene	19.26	228	635475	23.278	ng	99
83) Chrysene	19.30	228	575734	23.552	ng	98
86) Indeno(1,2,3-cd)pyrene	22.70	276	241489	8.382	ng	97
88) Benzo(b)fluoranthene	20.56	252	609138m	22.892	ng	
89) Benzo(k)fluoranthene	20.59	252	246269m	9.609	ng	
90) Benzo(a)pyrene	20.98	252	471868	19.253	ng	97
91) Dibenzo(a,h)anthracene	22.72	278	64977	2.709	ng	# 93
92) Benzo(g,h,i)perylene	23.19	276	213818	9.028	ng	96

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

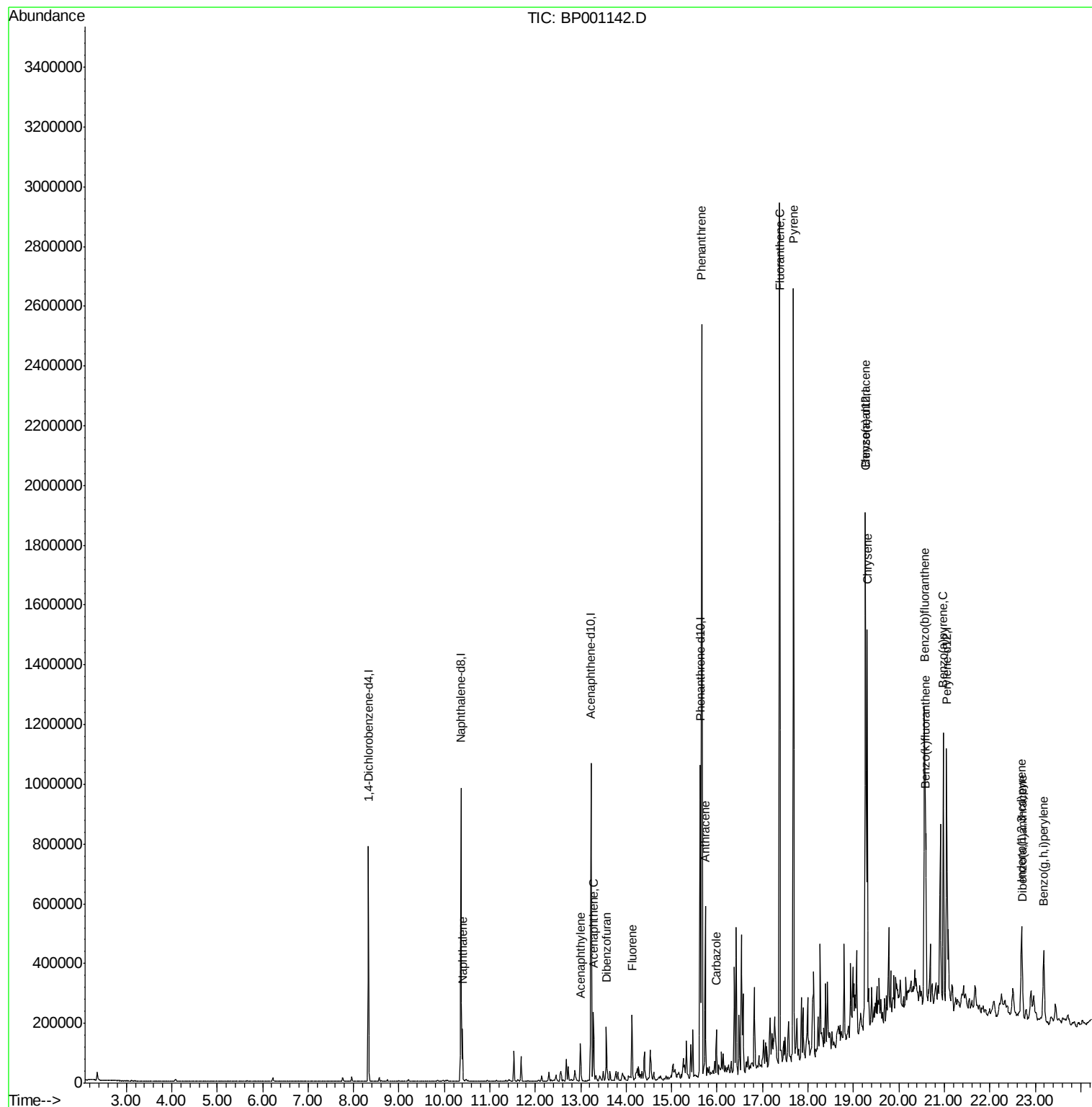
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
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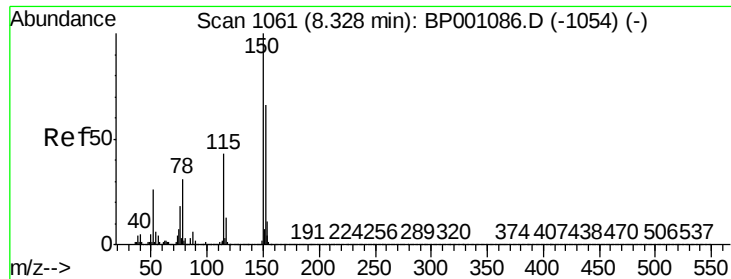
Instrument :
BNA_P
ClientSampleId :
WS-112019-0-2-COMP-B2DL

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Quant Time: Dec 03 01:23:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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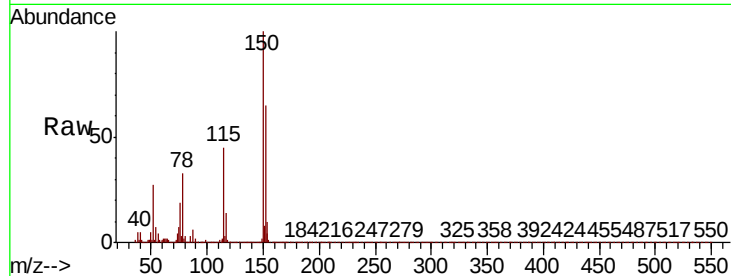
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.33 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Instrument :
BNA_P
ClientSampleId :
WS-112019-0-2-COMP-B2DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	120.6	181.0
115	68.4	51.6	77.4

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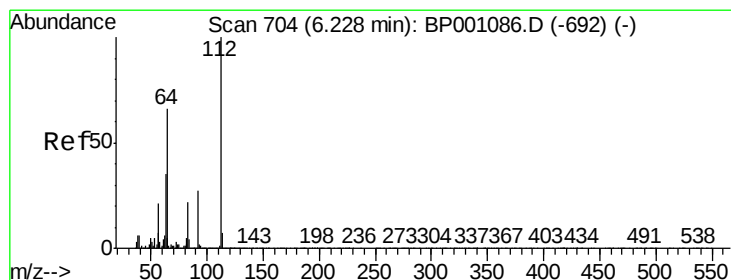
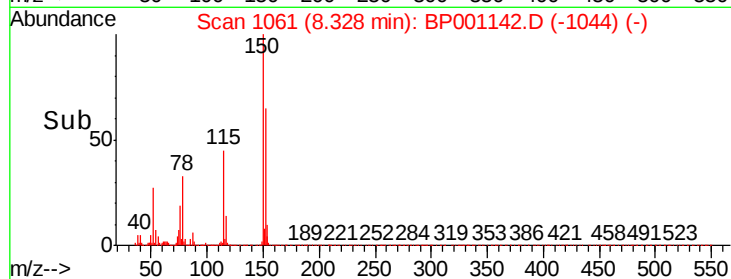
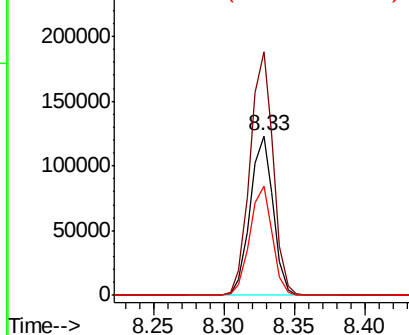


Abundance

Ion 152.00 (151.70 to 152.70): E

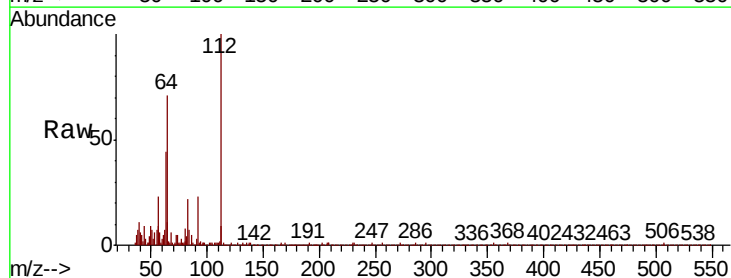
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
2-Fluorophenol
Concen: 0.502 ng
RT: 6.22 min Scan# 703
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	52.8	79.2
63	44.3	28.2	42.2

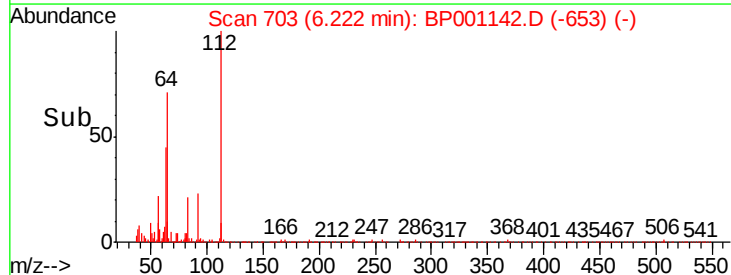
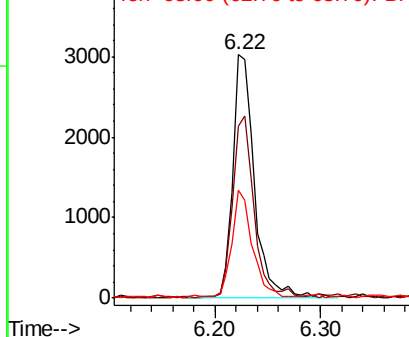


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 0.534 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.01 min

Lab File: BP001142.D

Acq: 02 Dec 2019 23:12

Instrument :

BNA_P

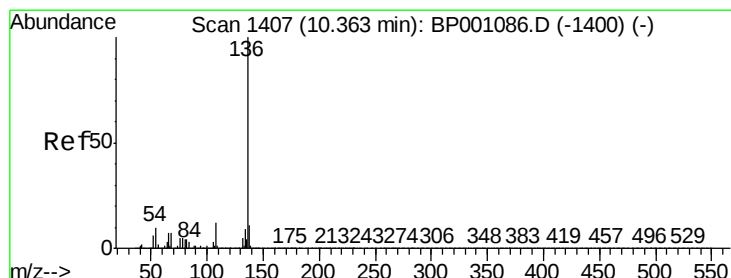
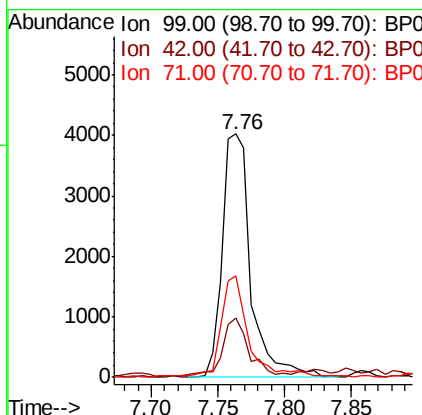
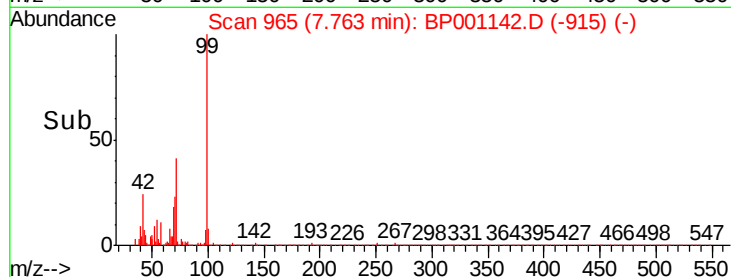
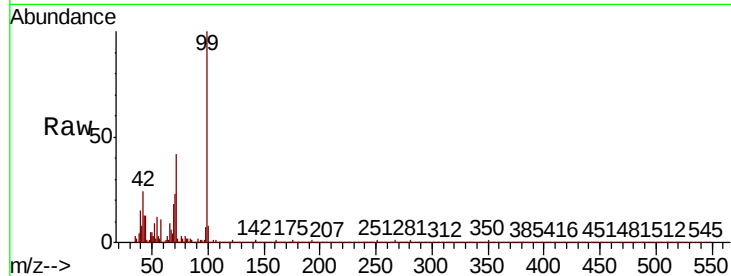
ClientSampleId :

WS-112019-0-2-COMP-B2DL

Tot Ion:	99	Resp:	6048
Ion Ratio	Lower	Upper	
99	100		
42	24.5	15.4	23.0#
71	41.6	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

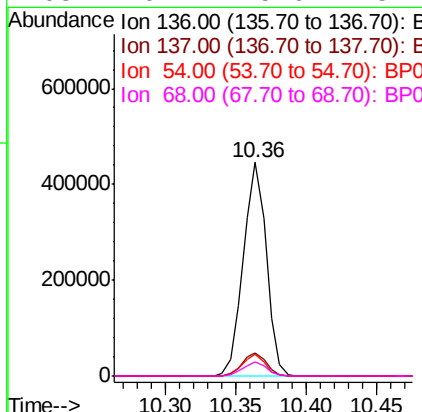
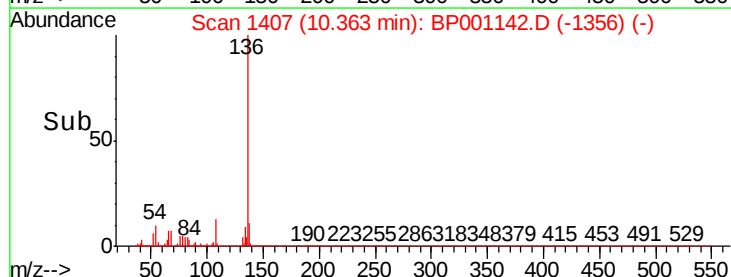
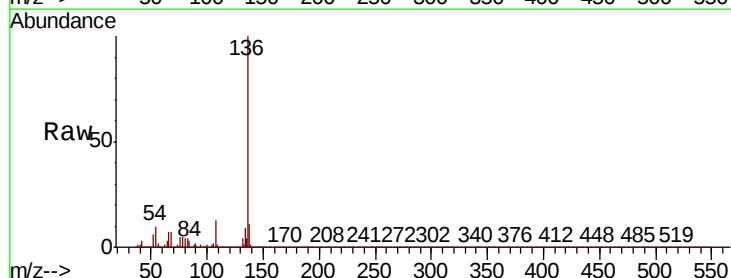
RT: 10.36 min Scan# 1407

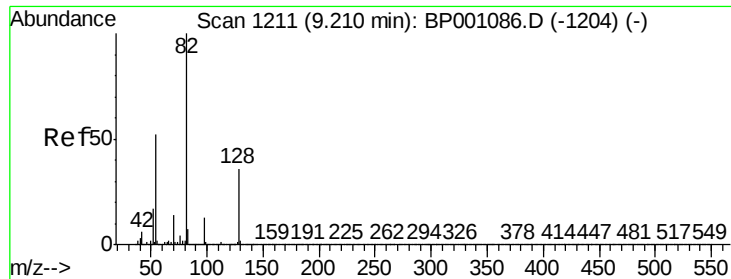
Delta R.T. 0.00 min

Lab File: BP001142.D

Acq: 02 Dec 2019 23:12

Tgt Ion:	136	Resp:	510201
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	10.0	7.9	11.9
68	6.7	5.6	8.4





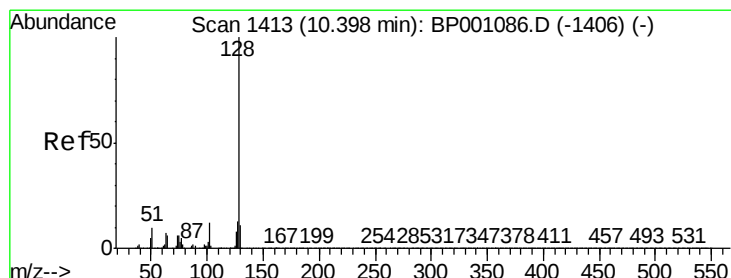
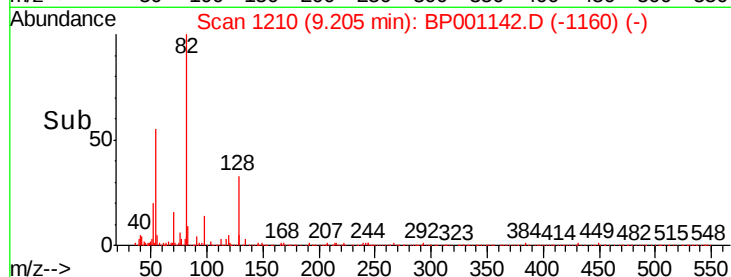
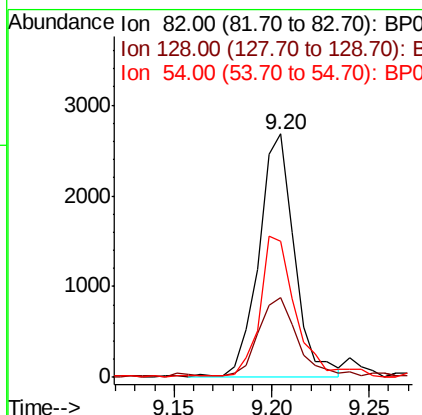
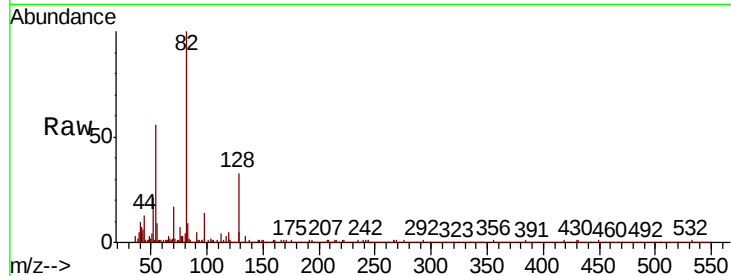
#23
Nitrobenzene-d5
Concen: 0.286 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Instrument :
BNA_P
ClientSampleId :
WS-112019-0-2-COMP-B2DL

Tot Ion	82	Resp:	3368
Ion Ratio	Lower	Upper	
82	100		
128	33.0	28.9	43.3
54	55.9	41.9	62.9

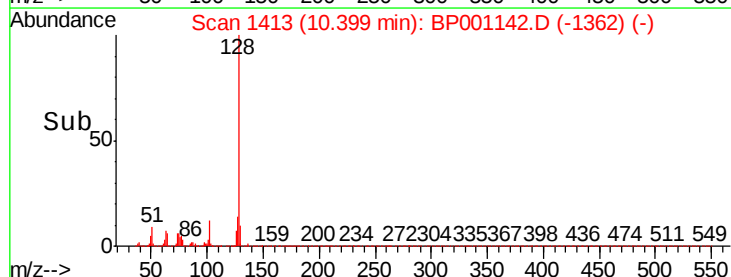
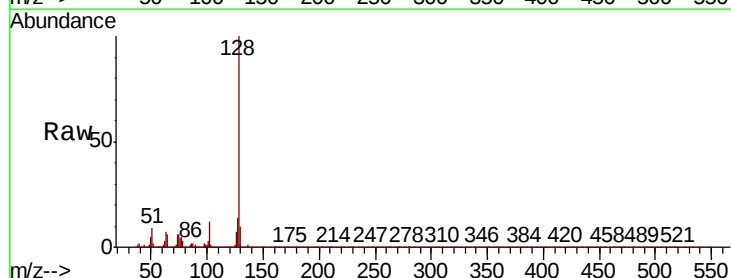
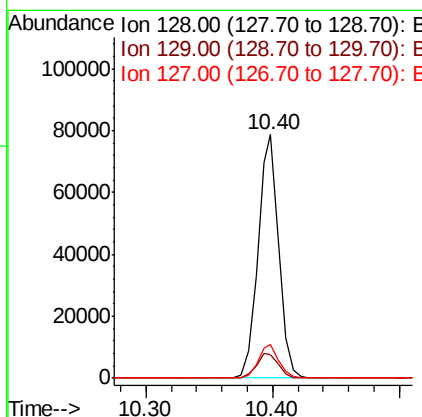
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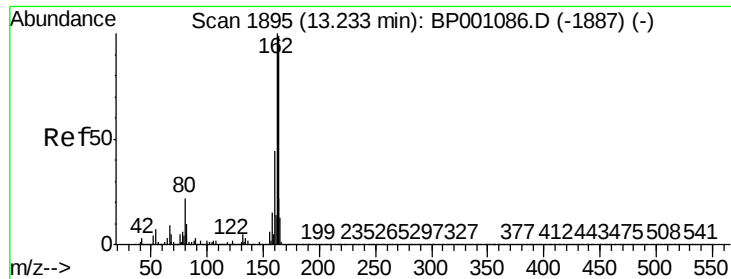
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#31
Naphthalene
Concen: 3.437 ng
RT: 10.40 min Scan# 1413
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion	128	Resp:	89559
Ion Ratio	Lower	Upper	
128	100		
129	9.8	8.8	13.2
127	14.0	10.6	16.0





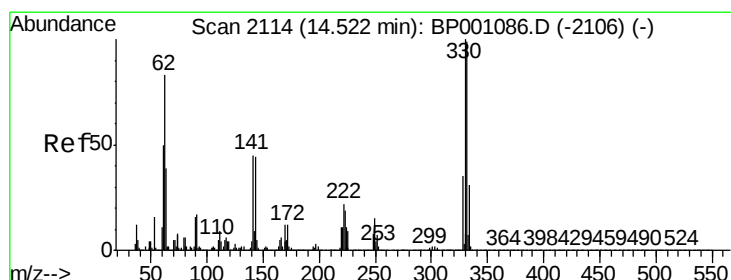
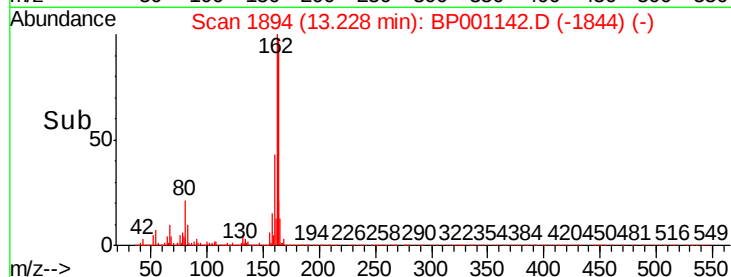
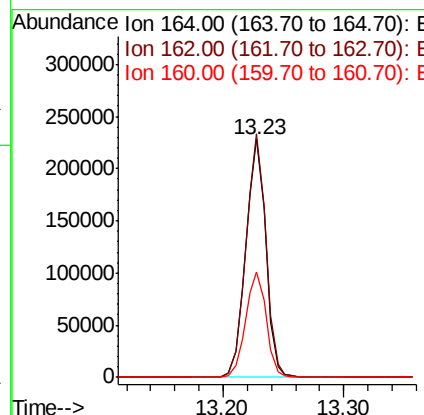
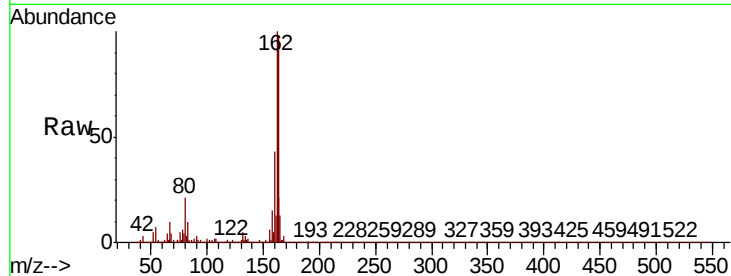
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.23 min Scan# 1894
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Instrument :
BNA_P
ClientSampleId :
WS-112019-0-2-COMP-B2DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.6	120.8
160	44.2	35.4	53.2

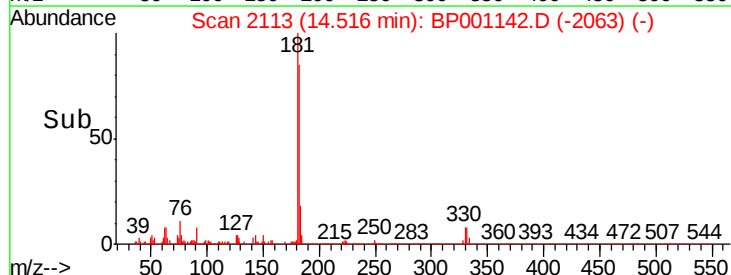
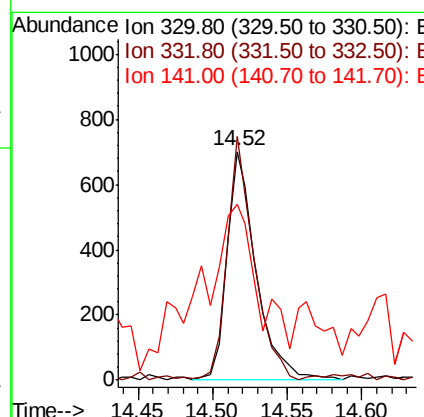
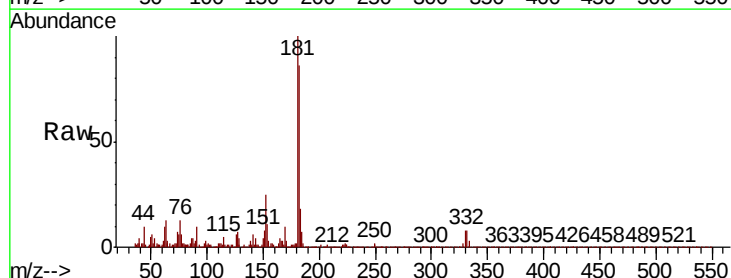
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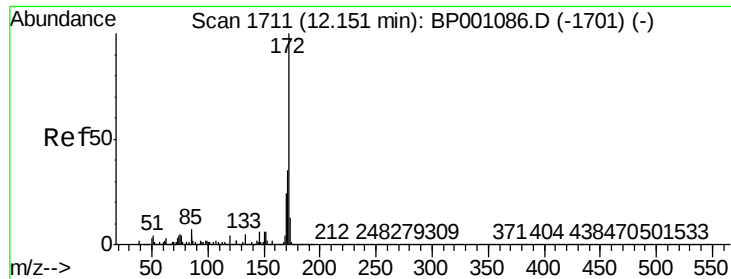
mohammad
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#42
2,4,6-Tribromophenol
Concen: 0.381 ng
RT: 14.52 min Scan# 2113
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.6	116.4
141	148.7	34.2	51.2#





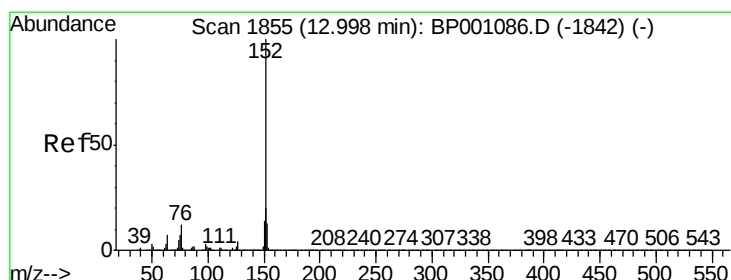
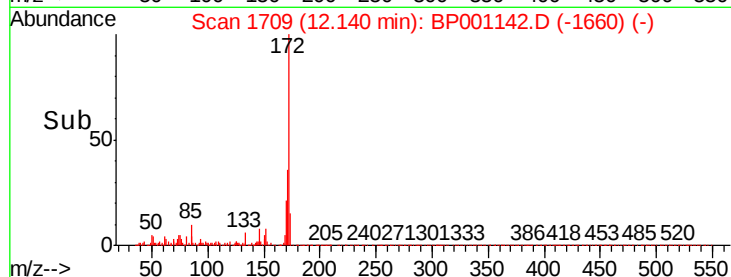
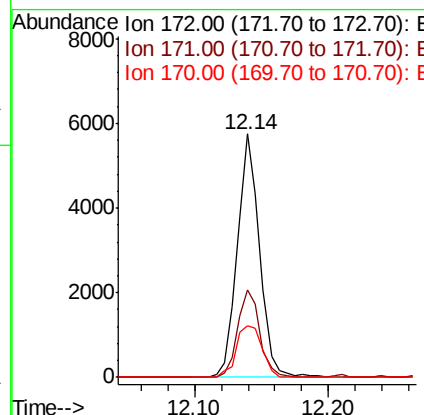
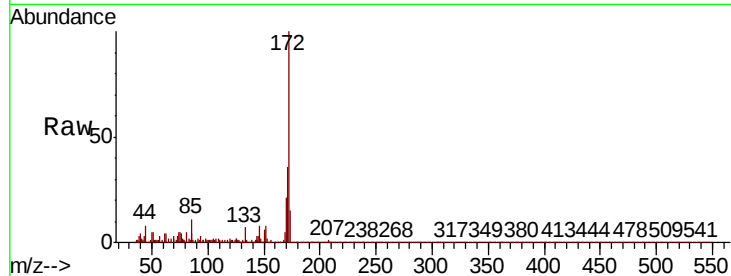
#45
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 12.14 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Instrument :
BNA_P
ClientSampleId :
WS-112019-0-2-COMP-B2DL

Tot Ion:	172	Resp:	6706
Ion Ratio	Lower	Upper	
172	100		
171	35.8	27.9	41.9
170	21.1	19.0	28.4

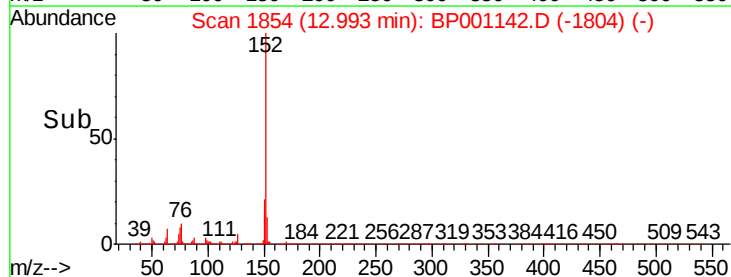
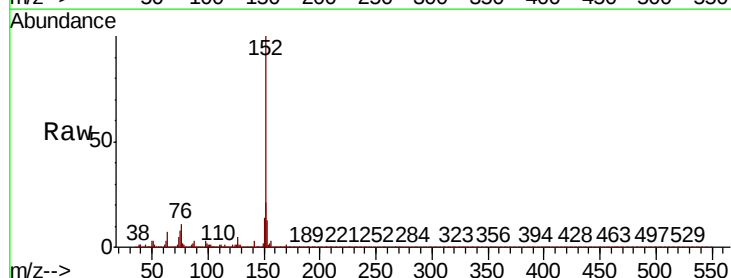
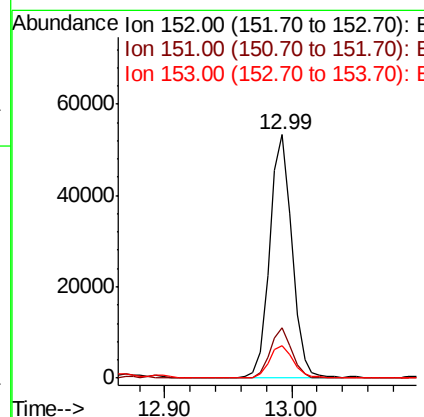
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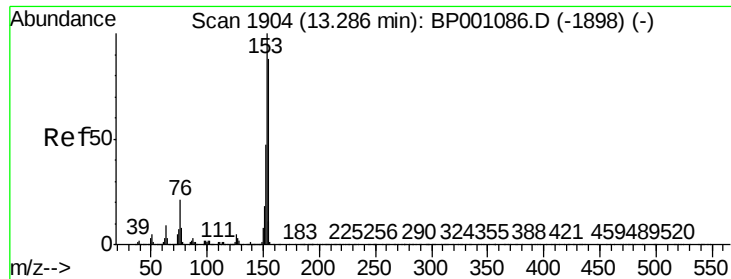
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#49
Acenaphthylene
Concen: 2.663 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion:	152	Resp:	65309
Ion Ratio	Lower	Upper	
152	100		
151	20.8	15.8	23.8
153	13.4	10.2	15.4





#52

Acenaphthene

Concen: 4.222 ng

RT: 13.28 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BP001142.D

Acq: 02 Dec 2019 23:12

Instrument :

BNA_P

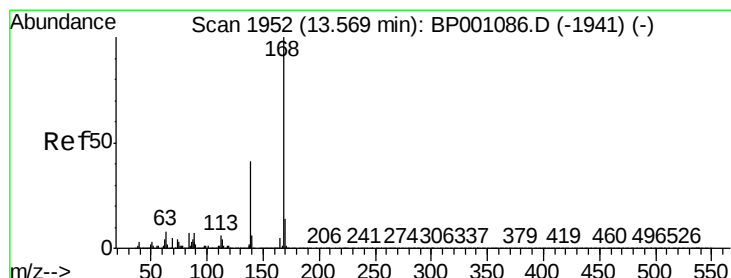
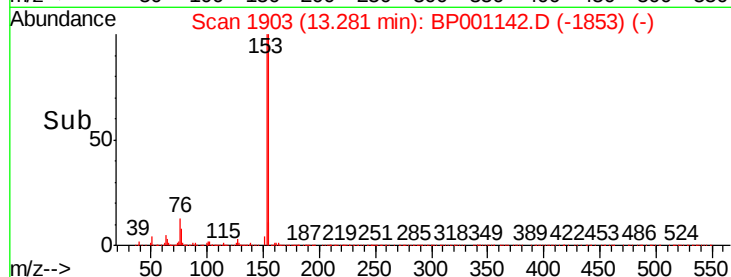
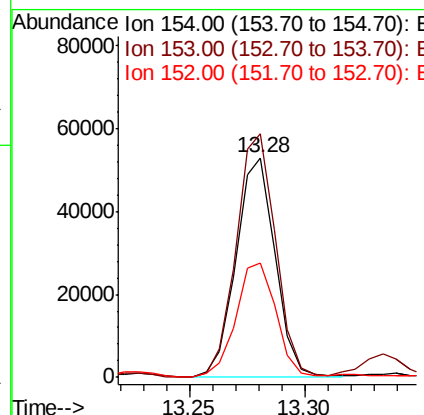
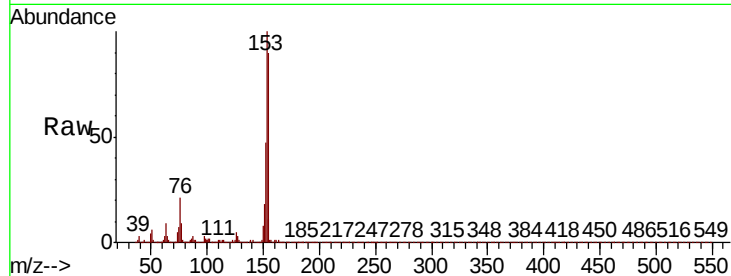
ClientSampleId :

WS-112019-0-2-COMP-B2DL

Tot Ion:	154	Resp:	62294
Ion Ratio	Lower	Upper	
154	100		
153	110.8	90.5	135.7
152	52.1	42.6	64.0

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#55

Dibenzofuran

Concen: 3.554 ng

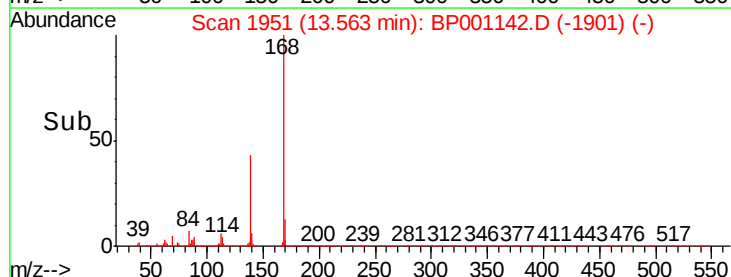
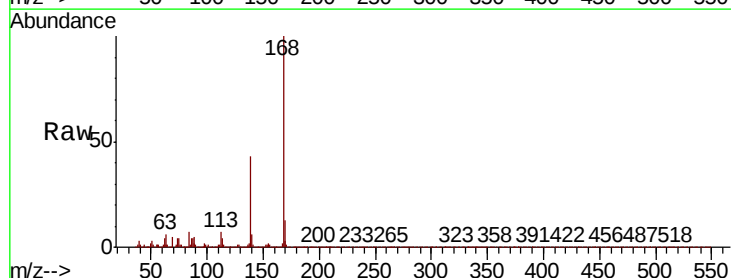
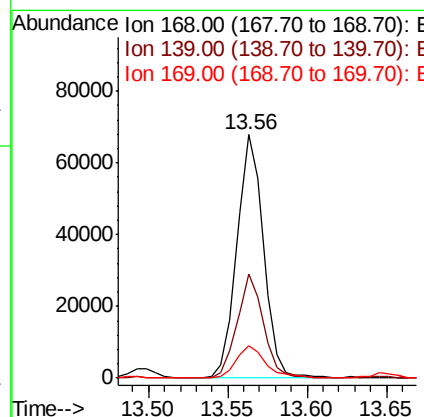
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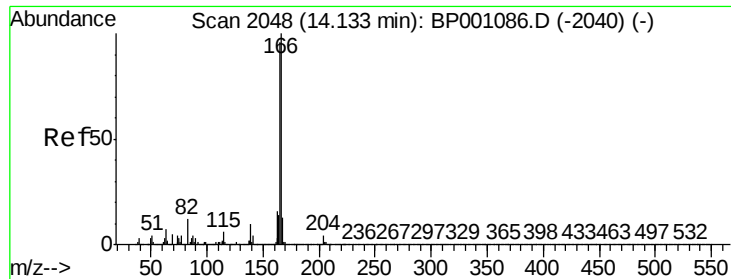
Delta R.T. -0.01 min

Lab File: BP001142.D

Acq: 02 Dec 2019 23:12

Tgt Ion:	168	Resp:	78790
Ion Ratio	Lower	Upper	
168	100		
139	43.0	32.8	49.2
169	13.4	10.9	16.3





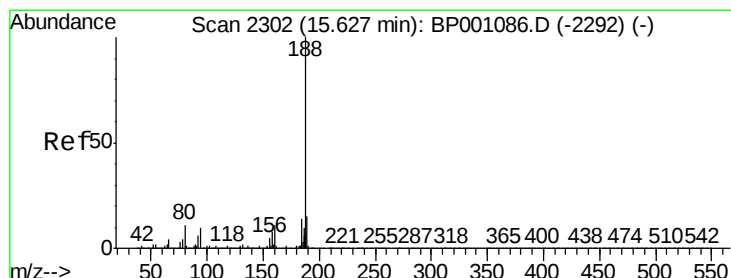
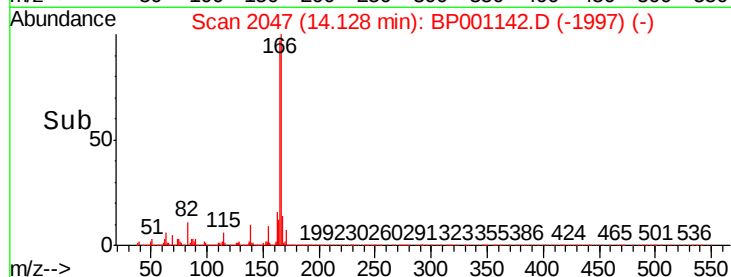
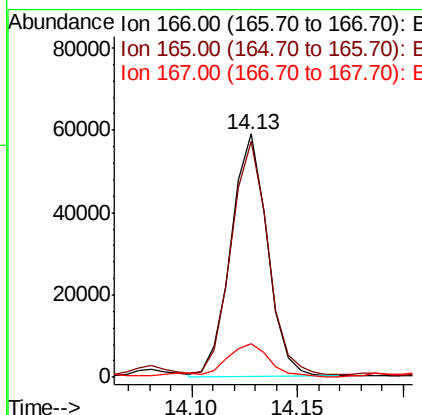
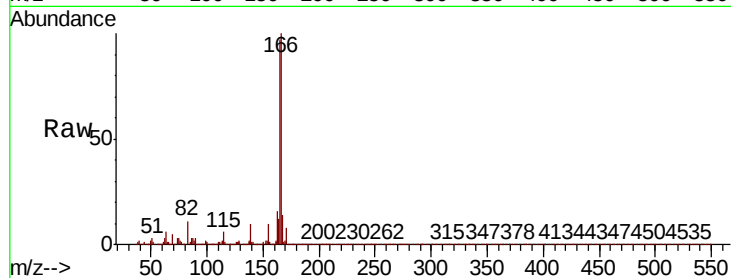
#58
Fluorene
 Concen: 3.942 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. -0.01 min
 Lab File: BP001142.D
 Acq: 02 Dec 2019 23:12

Instrument :
 BNA_P
 ClientSampleId :
 WS-112019-0-2-COMP-B2DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.8	76.7	115.1
167	13.9	10.5	15.7

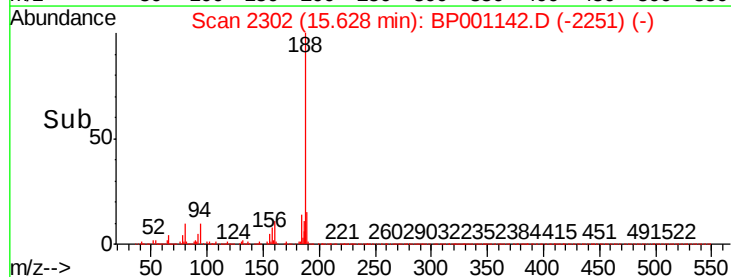
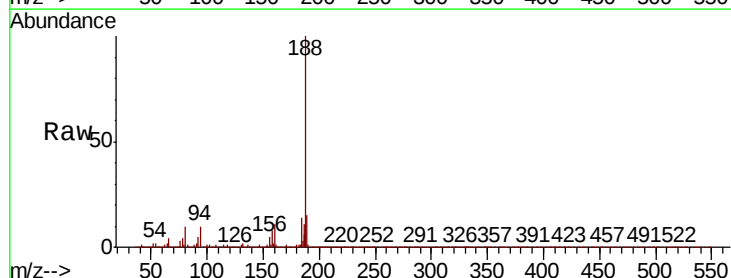
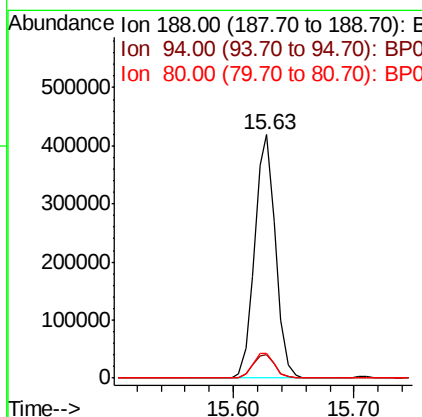
Manual Integrations
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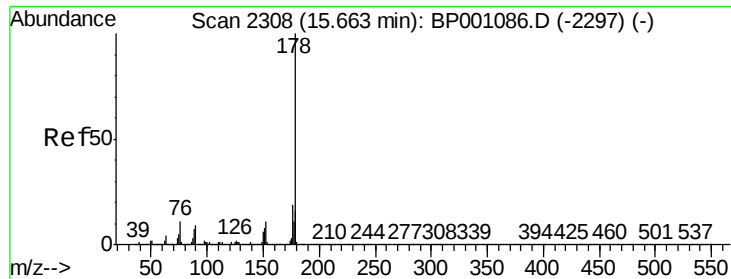
mohammad
 12/4/2019 5:00:20 PM



#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 15.63 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: BP001142.D
 Acq: 02 Dec 2019 23:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.9	11.9
80	10.4	8.8	13.2





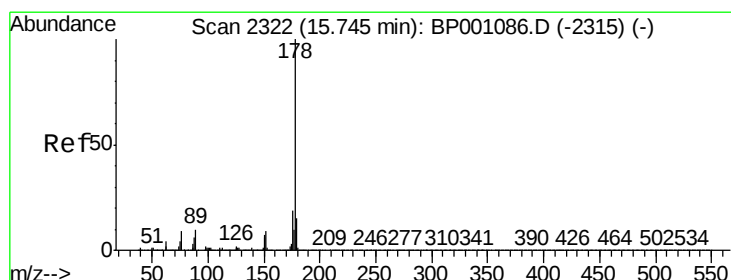
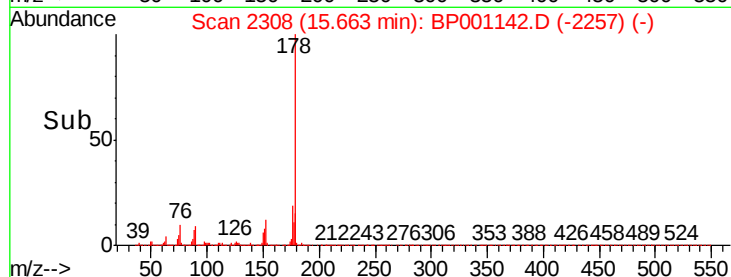
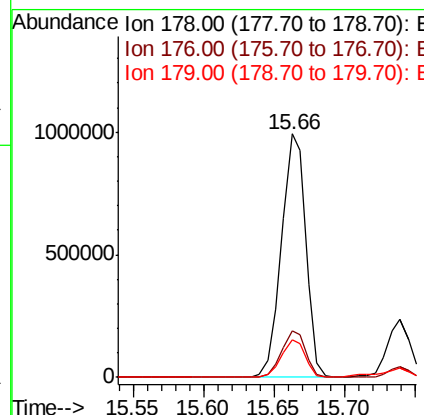
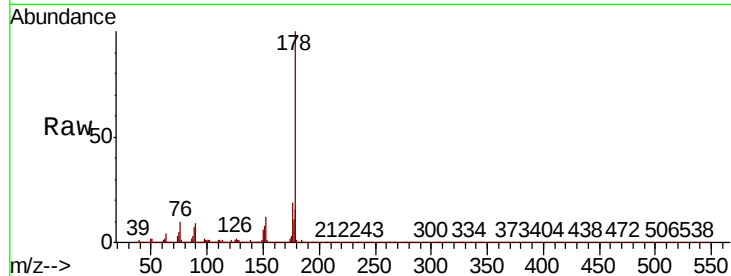
#71
Phenanthrene
Concen: 45.047 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Instrument :
BNA_P
ClientSampled :
WS-112019-0-2-COMP-B2DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.5	12.5	18.7

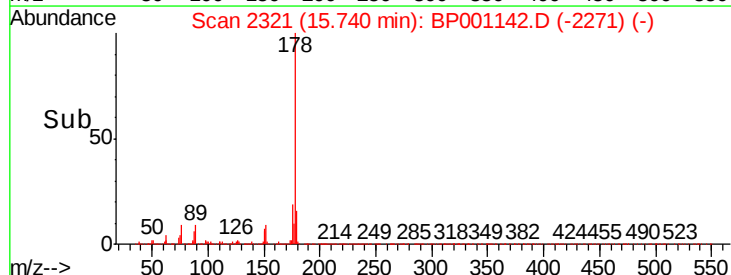
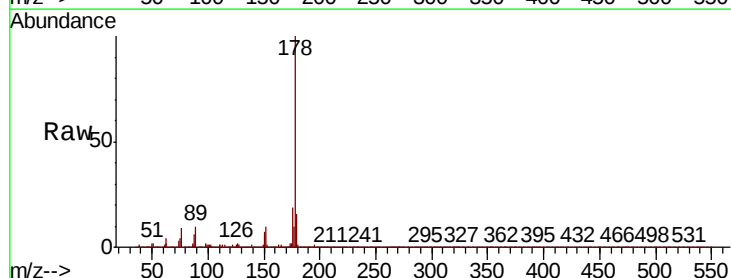
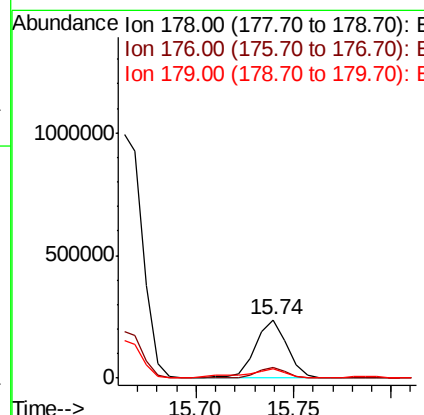
Manual Integrations
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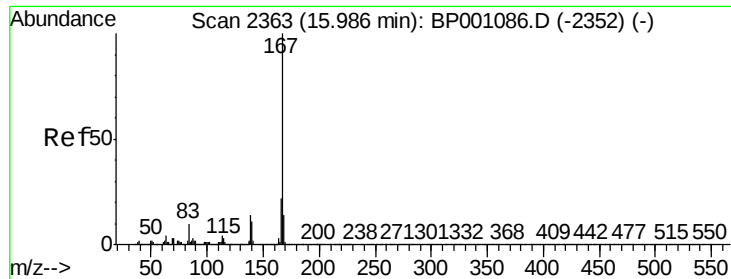
mohammad
12/4/2019 5:00:20 PM



#72
Anthracene
Concen: 10.175 ng
RT: 15.74 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.8	12.2	18.4





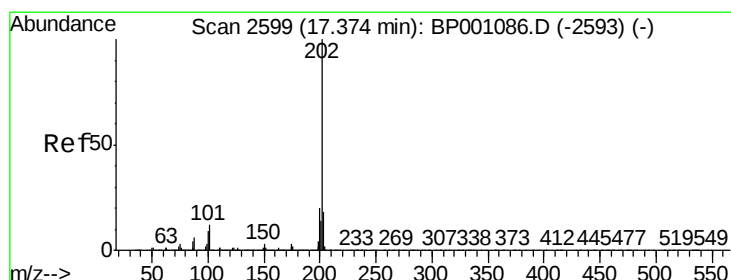
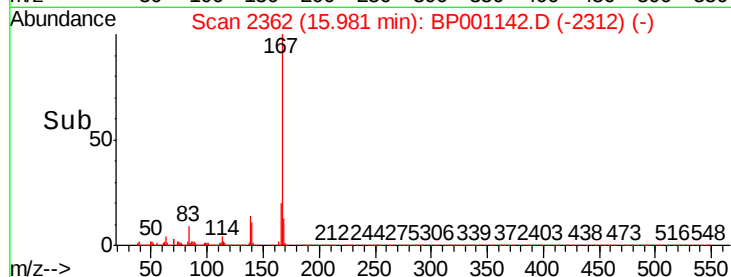
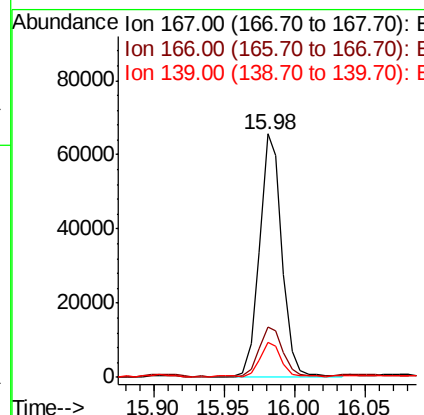
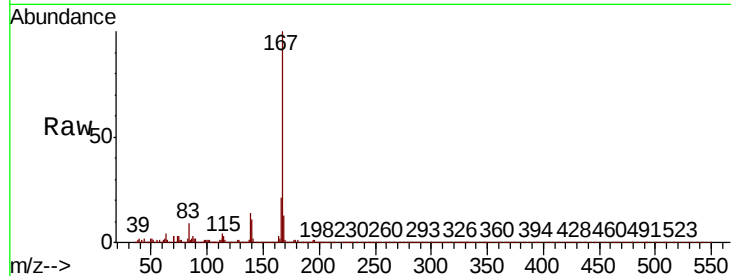
#73
 Carbazole
 Concen: 3.092 ng
 RT: 15.98 min Scan# 2362
 Delta R.T. -0.01 min
 Lab File: BP001142.D
 Acq: 02 Dec 2019 23:12

Instrument :
 BNA_P
 ClientSampleId :
 WS-112019-0-2-COMP-B2DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.2	25.8
139	14.1	11.3	16.9

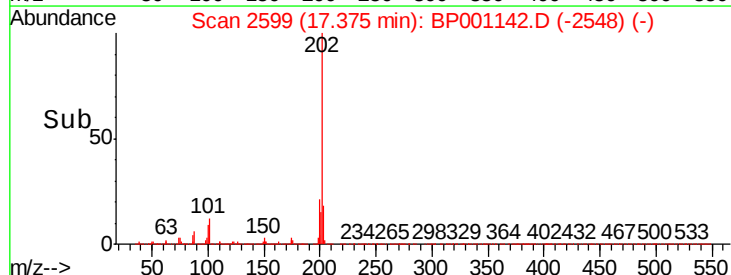
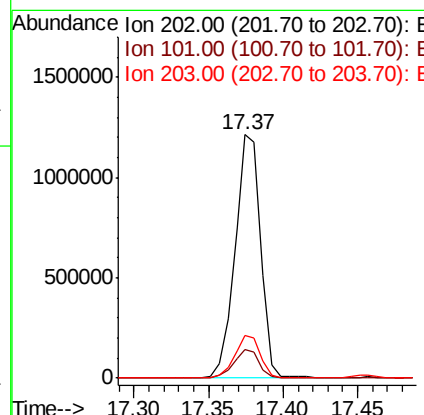
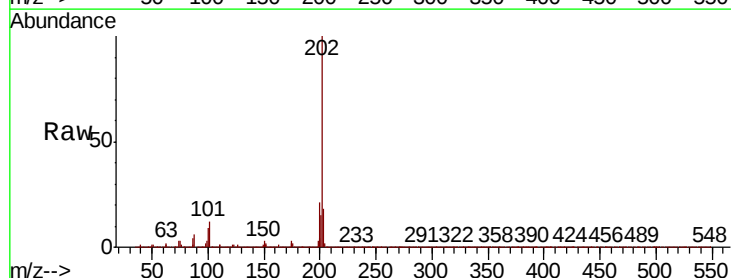
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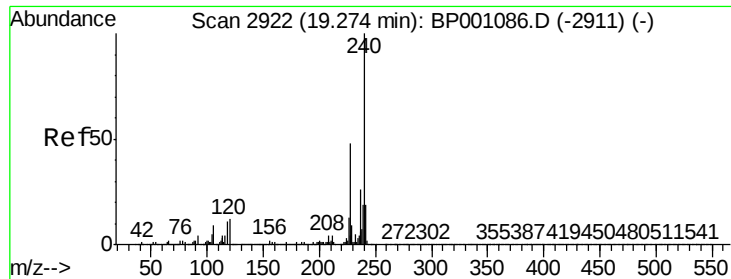
mohammad
 12/4/2019 5:00:20 PM



#75
 Fluoranthene
 Concen: 52.016 ng
 RT: 17.37 min Scan# 2599
 Delta R.T. 0.00 min
 Lab File: BP001142.D
 Acq: 02 Dec 2019 23:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.1
203	17.8	0.0	37.8





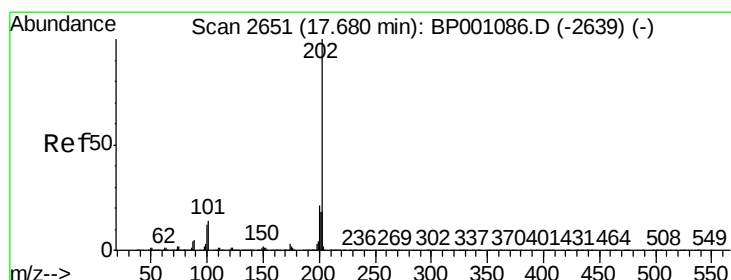
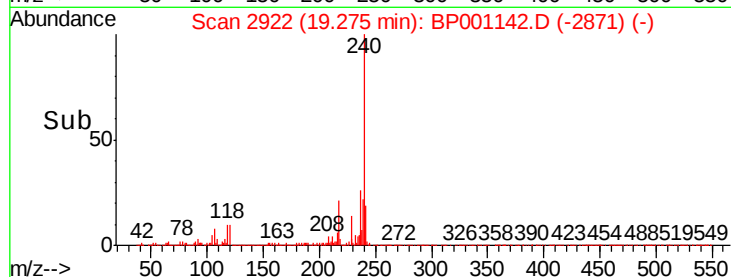
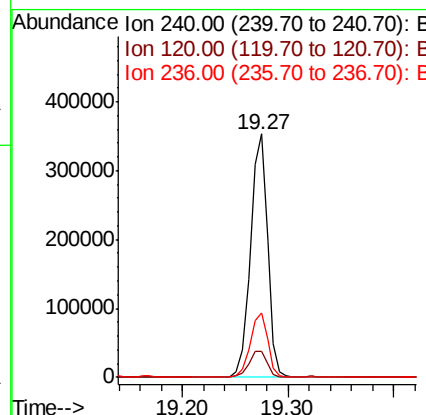
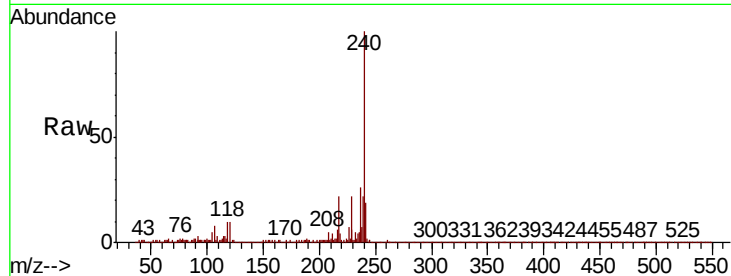
#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.27 min Scan# 2922
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Instrument :
BNA_P
ClientSampleId :
WS-112019-0-2-COMP-B2DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.5	14.3
236	26.4	20.4	30.6

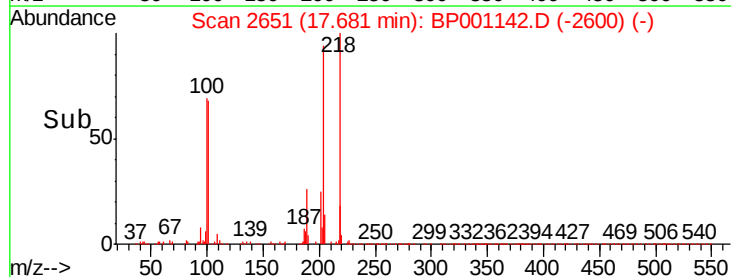
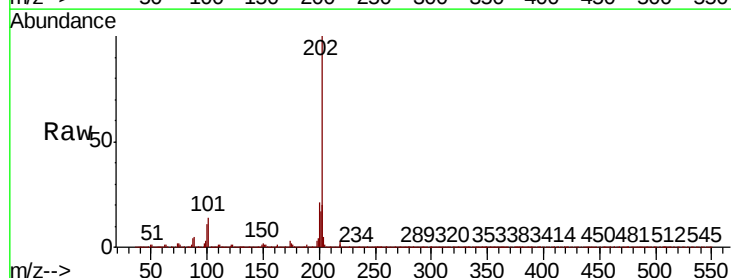
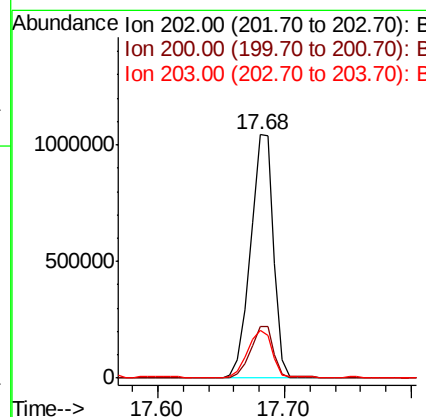
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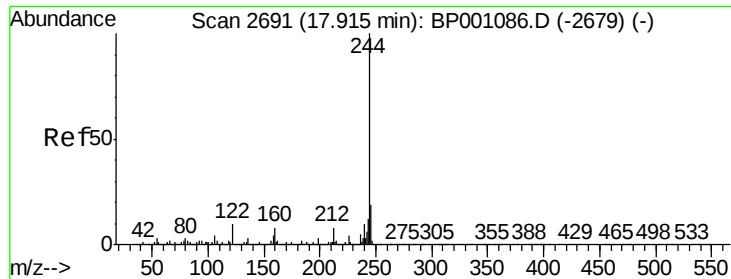
mohammad
12/4/2019 5:00:20 PM



#78
Pyrene
Concen: 42.352 ng
RT: 17.68 min Scan# 2651
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	19.7	14.1	21.1





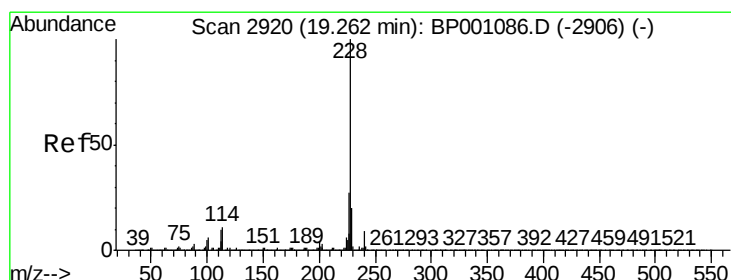
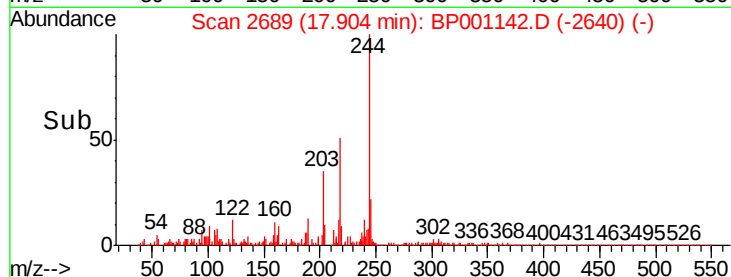
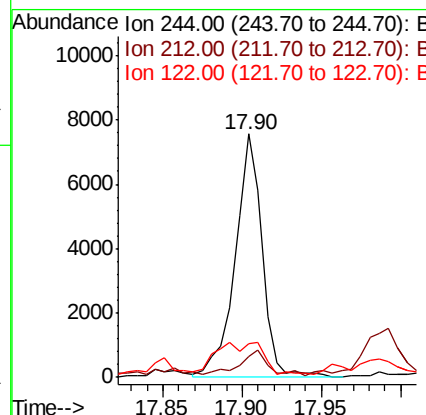
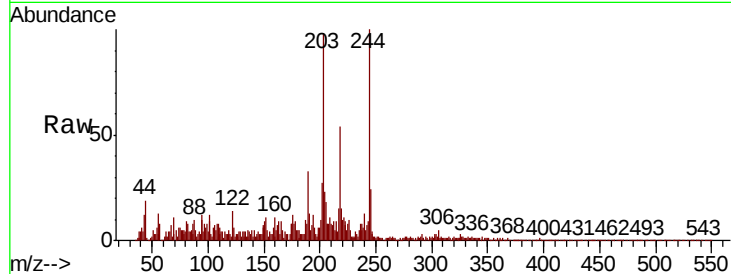
#79
 Terphenyl-d14
 Concen: 0.415 ng
 RT: 17.90 min Scan# 2689
 Delta R.T. -0.01 min
 Lab File: BP001142.D
 Acq: 02 Dec 2019 23:12

Instrument :
 BNA_P
 ClientSampleId :
 WS-112019-0-2-COMP-B2DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.2	9.2
122	13.9	8.2	12.2

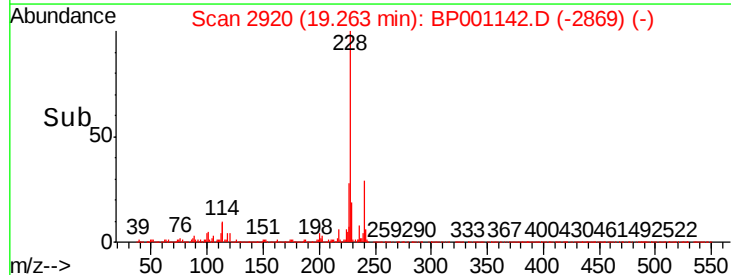
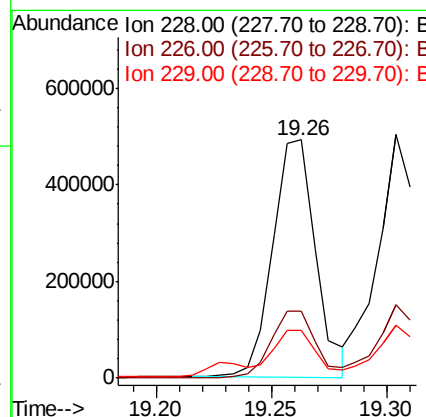
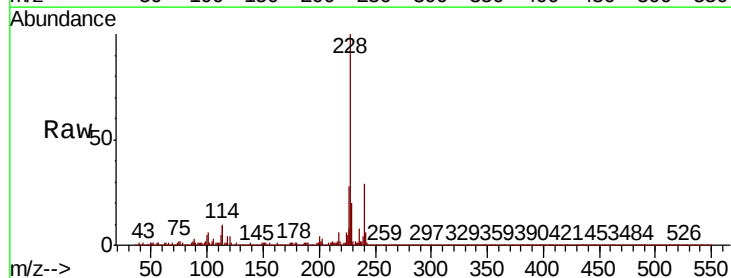
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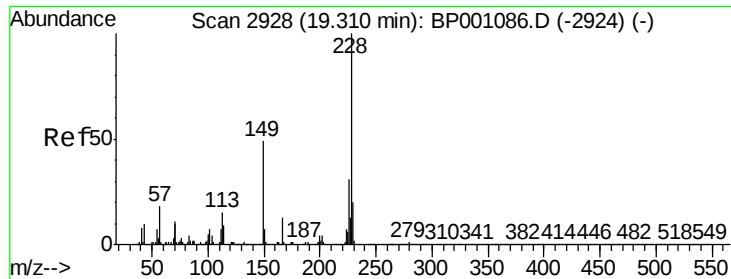
mohammad
 12/4/2019 5:00:20 PM



#81
 Benzo(a)anthracene
 Concen: 23.278 ng
 RT: 19.26 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: BP001142.D
 Acq: 02 Dec 2019 23:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.6
229	20.1	15.8	23.6





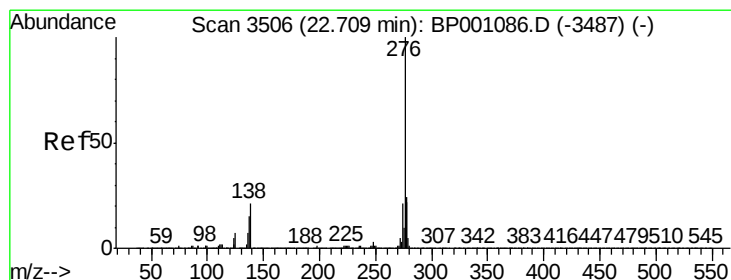
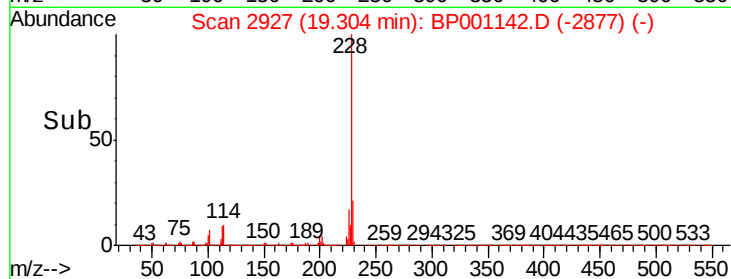
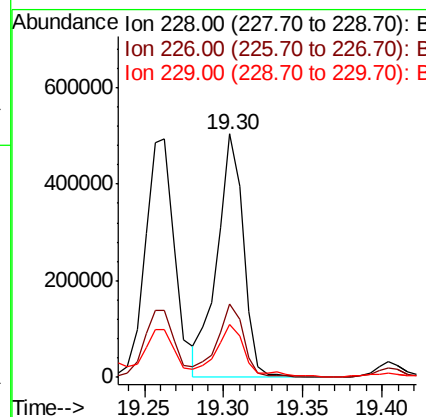
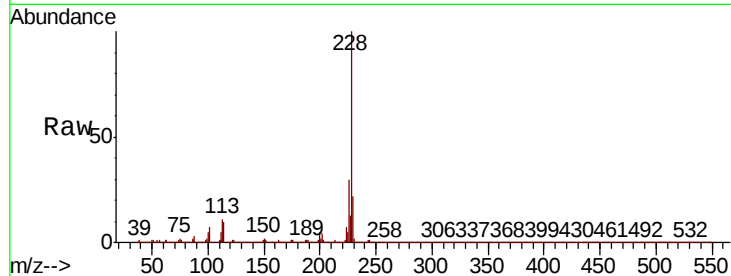
#83
Chrysene
Concen: 23.552 ng
RT: 19.30 min Scan# 2927
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Instrument :
BNA_P
ClientSampleId :
WS-112019-0-2-COMP-B2DL

Tot Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.2		24.4	36.6
229	21.8		15.7	23.5

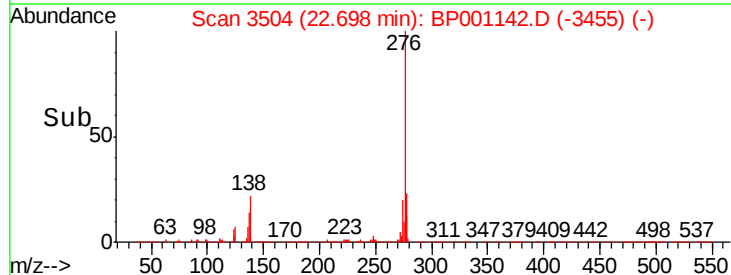
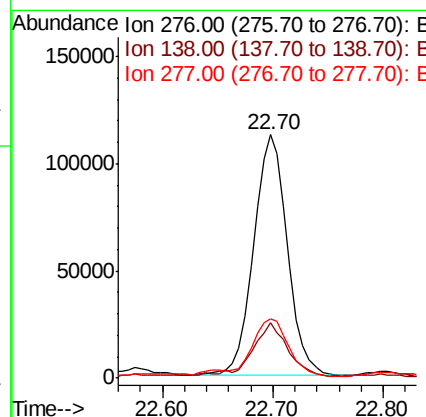
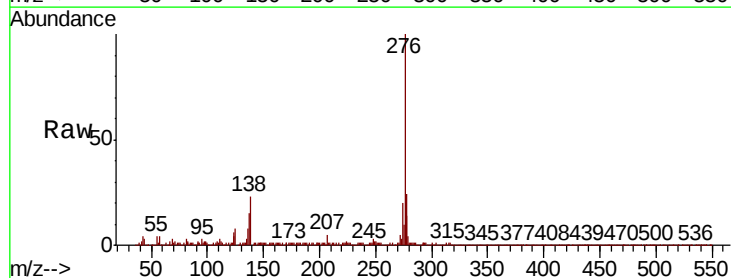
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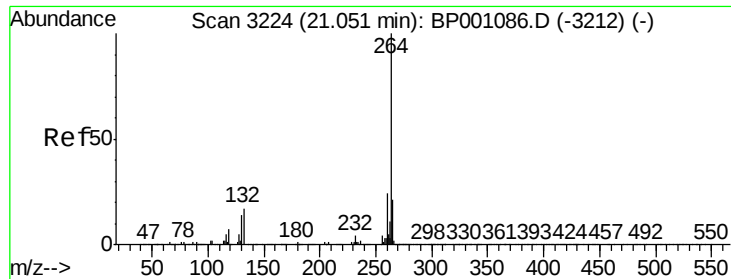
mohammad
12/4/2019 5:00:20 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 8.382 ng
RT: 22.70 min Scan# 3504
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	23.2		20.6	30.8
277	25.6		20.0	30.0





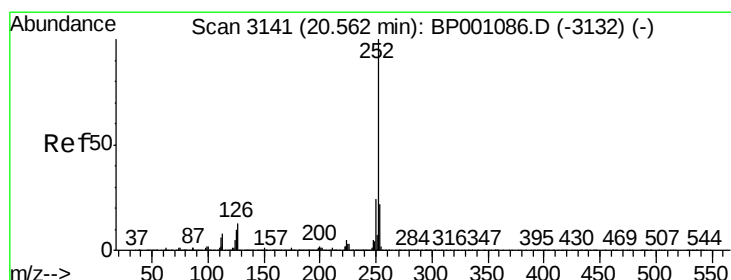
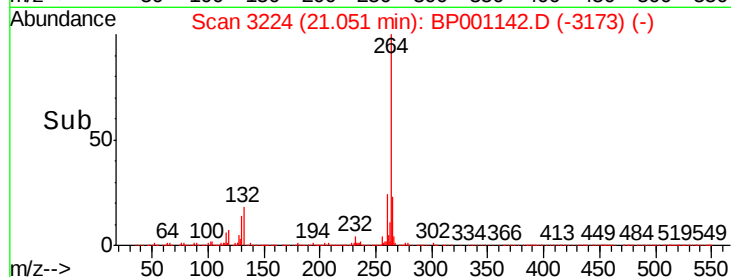
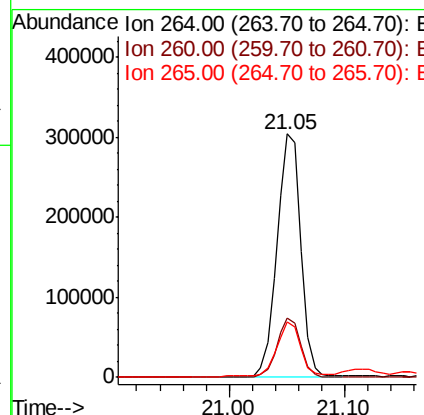
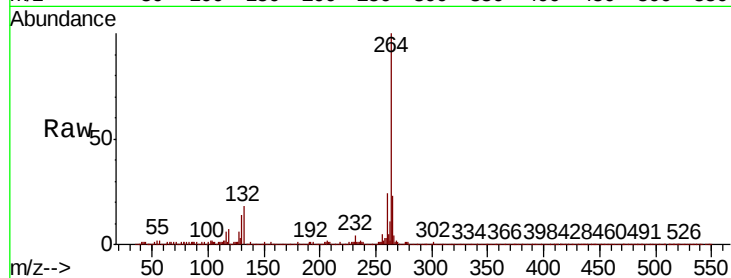
#87
Pervlene-d12
Concen: 20.000 ng
RT: 21.05 min Scan# 3224
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Instrument :
BNA_P
ClientSampleId :
WS-112019-0-2-COMP-B2DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.8	28.2
265	23.0	16.9	25.3

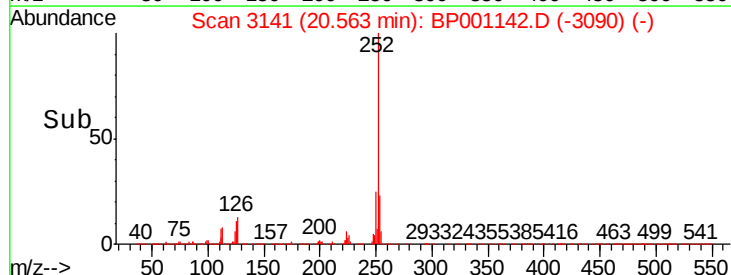
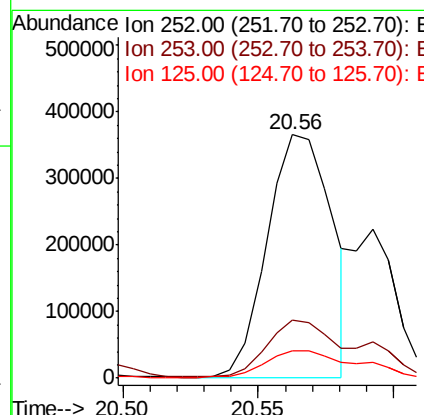
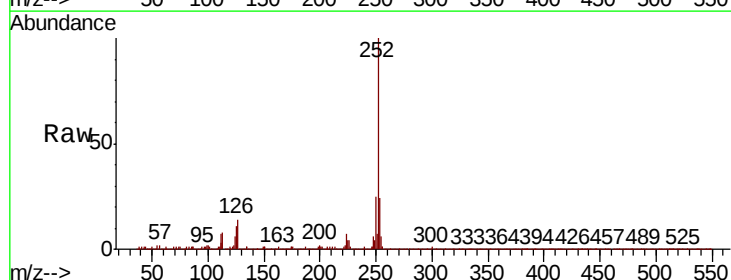
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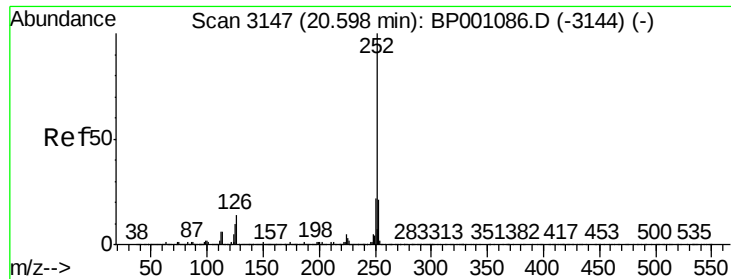
mohammad
12/4/2019 5:00:20 PM



#88
Benzo(b)fluoranthene
Concen: 22.892 ng m
RT: 20.56 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	11.3	8.1	12.1





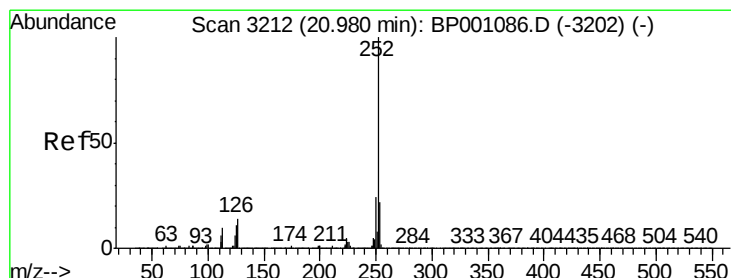
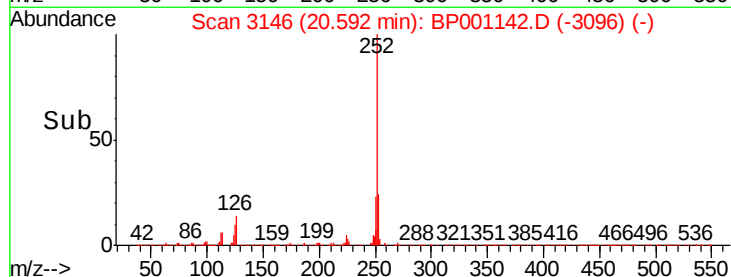
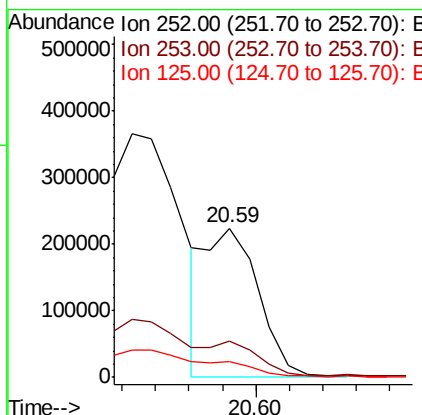
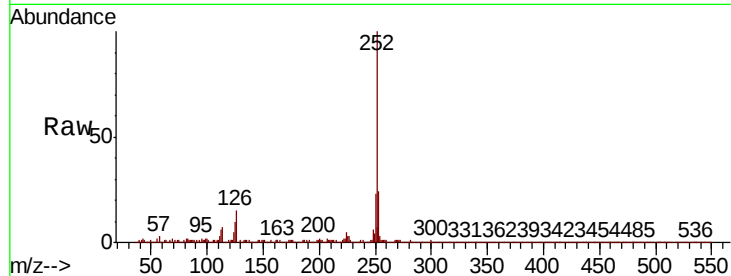
#89
Benzo(k)fluoranthene
Concen: 9.609 ng m
RT: 20.59 min Scan# 3146
Delta R.T. -0.01 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Instrument :
BNA_P
ClientSampleId :
WS-112019-0-2-COMP-B2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	10.4	8.2	12.2

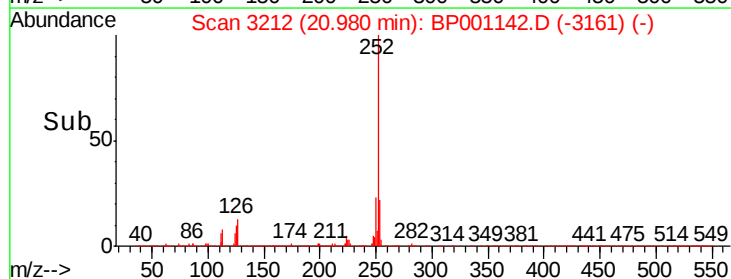
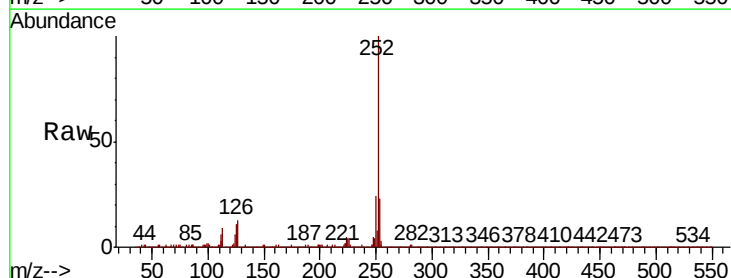
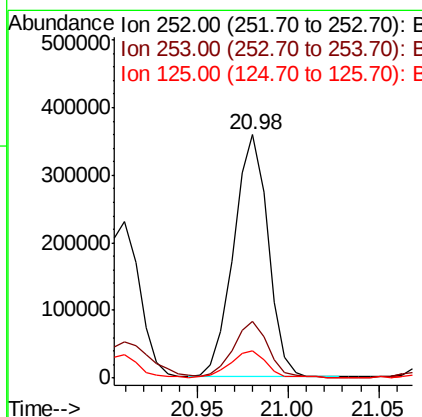
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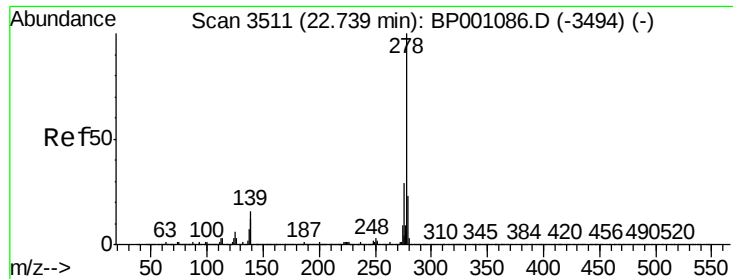
mohammad
12/4/2019 5:00:20 PM



#90
Benzo(a)pyrene
Concen: 19.253 ng
RT: 20.98 min Scan# 3212
Delta R.T. 0.00 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	11.3	8.7	13.1





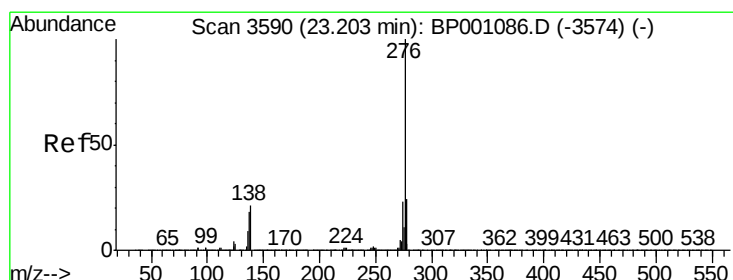
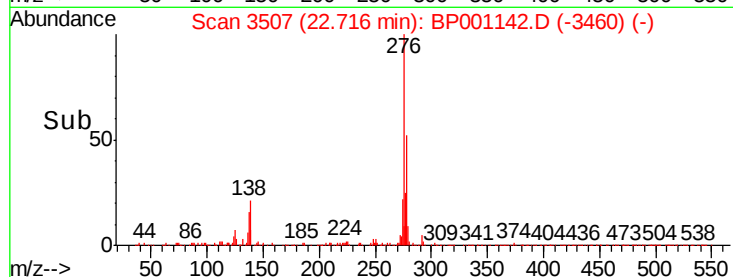
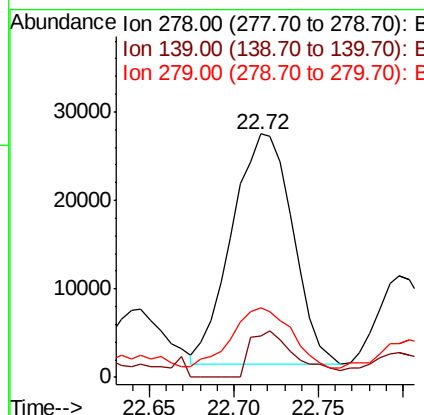
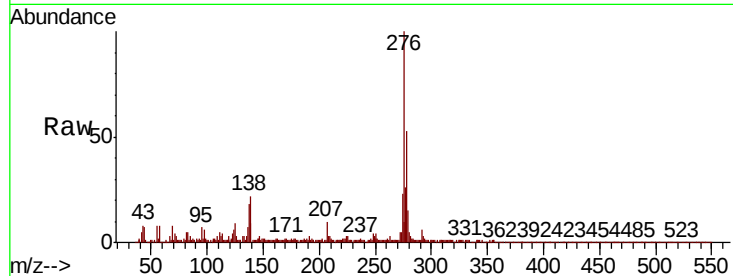
#91
Dibenzo(a,h)anthracene
Concen: 2.709 ng
RT: 22.72 min Scan# 3507
Delta R.T. -0.02 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Instrument :
BNA_P
ClientSampleId :
WS-112019-0-2-COMP-B2DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.9	13.0	19.4
279	28.5	18.7	28.1#

Manual Integrations
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mohammad
12/4/2019 5:00:20 PM



#92
Benzo(g,h,i)perylene
Concen: 9.028 ng
RT: 23.19 min Scan# 3587
Delta R.T. -0.02 min
Lab File: BP001142.D
Acq: 02 Dec 2019 23:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.2	28.8
138	22.9	17.2	25.8

