

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
 Data File : BP000228.D
 Acq On : 12 Sep 2019 20:58
 Operator : HP/JU
 Sample : K4634-12DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleID :
 F2D30DL

Manual Integrations
 APPROVED

mohammad
 9/16/2019 9:14:05 AM

Quant Time: Sep 13 14:45:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 13 02:45:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	240107	20.00	ng/ul	0.00
18) Naphthalene-d8	8.18	136	922418	20.00	ng/ul	0.00
36) Acenaphthene-d10	9.95	164	498056	20.00	ng/ul	0.00
62) Phenanthrene-d10	11.46	188	919506	20.00	ng/ul	0.00
78) Chrysene-d12	14.17	240	700850	20.00	ng/ul	0.02
86) Perylene-d12	15.76	264	682858	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.63	96	2247	0.33	ng/uL	0.02
5) Phenol-d5	6.52	99	42469	2.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.58	67	22897	2.14	ng/ul	0.00
9) 2-Chlorophenol-d4	6.66	132	35660	2.16	ng/ul	0.00
13) 4-Methylphenol-d8	7.26	113	31460	2.05	ng/ul	0.00
19) Nitrobenzene-d5	7.45	128	15298	2.18	ng/ul	0.00
22) 2-Nitrophenol-d4	7.78	143	15652	2.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	8.02	165	29104	2.01	ng/ul	0.00
29) 4-Chloroaniline-d4	8.24	131	11105	0.62	ng/ul	0.00
44) Dimethylphthalate-d6	9.63	166	89307	2.43	ng/ul	0.00
47) Acenaphthylene-d8	9.79	160	109540	2.41	ng/ul	0.00
52) 4-Nitrophenol-d4	10.04	143	12857	1.96	ng/ul	0.00
58) Fluorene-d10	10.47	176	75060	2.40	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	10.55	200	3555	0.84	ng/ul	0.01
71) Anthracene-d10	11.52	188	115800	2.60	ng/ul	0.00
79) Pyrene-d10	12.92	212	103861	2.49	ng/ul	0.01
90) Benzo(a)pyrene-d12	15.65	264	73215	2.07	ng/ul	0.04

Target Compounds

					Ovalue
28) Naphthalene	8.20	128	62298	1.240 ng/ul	99
50) Acenaphthene	9.98	153	152903	4.647 ng/ul	96
54) Dibenzofuran	10.16	168	59767	1.324 ng/ul	99
59) Fluorene	10.50	166	61444	1.760 ng/ul	97
70) Phenanthrene	11.49	178	1531493	28.164 ng/ul	99
72) Anthracene	11.53	178	289200	5.405 ng/ul	98
75) Carbazole	11.69	167	239953	5.245 ng/ul	100
77) Fluoranthene	12.70	202	3032875	55.298 ng/ul	97
80) Pvrene	12.94	202	2773905m	52.460 ng/ul	
83) Benzo(a)anthracene	14.16	228	1754344	34.580 ng/ul	98
85) Chrysene	14.20	228	1981587	42.565 ng/ul	98
88) Benzo(b)fluoranthene	15.30	252	1406519	31.078 ng/ul	95
89) Benzo(k)fluoranthene	15.31	252	1264707m	29.645 ng/ul	
91) Benzo(a)pyrene	15.70	252	1231991m	29.013 ng/ul	
92) Indeno(1,2,3-cd)pyrene	17.39	276	854873	17.499 ng/ul	99
93) Dibenzo(a,h)anthracene	17.39	278	243608m	6.021 ng/ul	
94) Benzo(g,h,i)perylene	17.87	276	742052	18.218 ng/ul	94

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

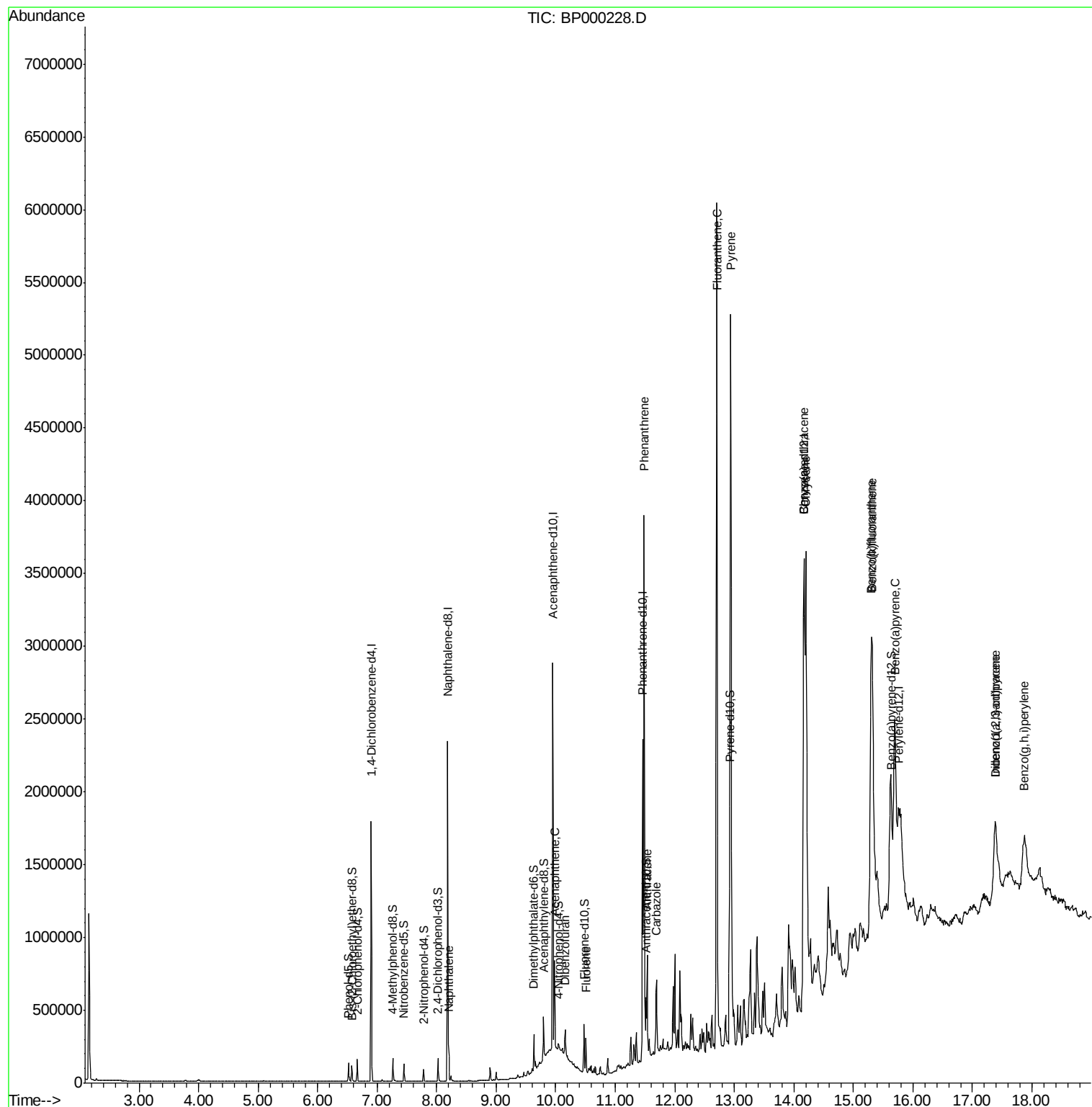
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000228.D
Acq On : 12 Sep 2019 20:58
Operator : HP/JU
Sample : K4634-12DL 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

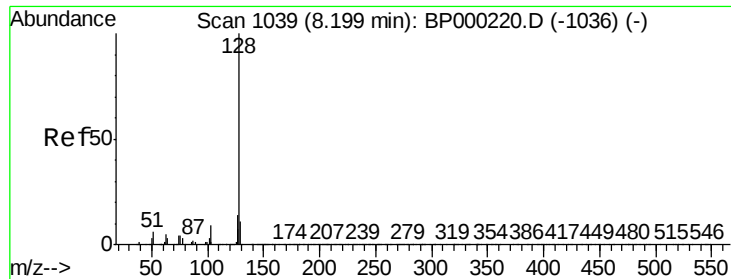
Instrument :
BNA_P
ClientSampled :
F2D30DL

Manual Integrations
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Quant Time: Sep 13 14:45:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 13 02:45:52 2019
Response via : Initial Calibration





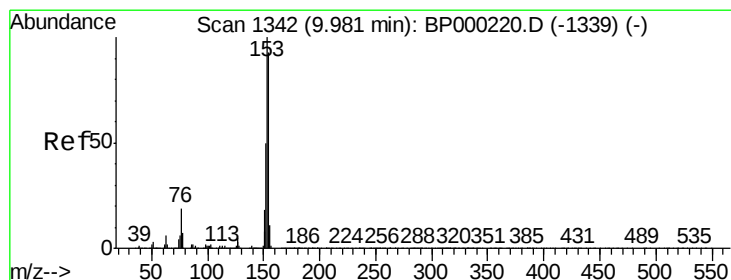
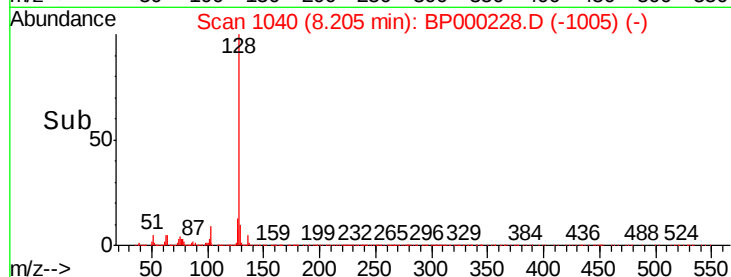
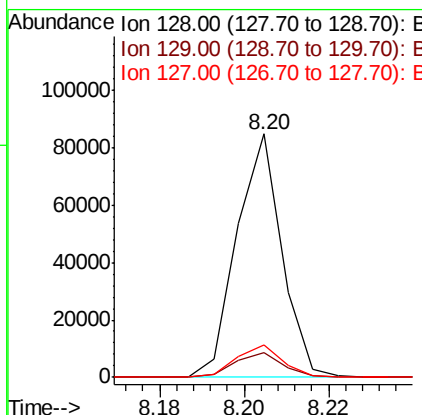
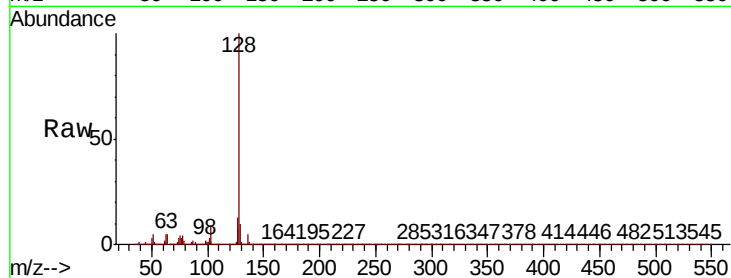
#28
Naphthalene
Concen: 1.240 ng/ul
RT: 8.20 min Scan# 1040
Delta R.T. 0.01 min
Lab File: BP000228.D
Acq: 12 Sep 2019 20:58

Instrument :
BNA_P
ClientSampleId :
F2D30DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.1	13.7
127	13.2	10.7	16.1

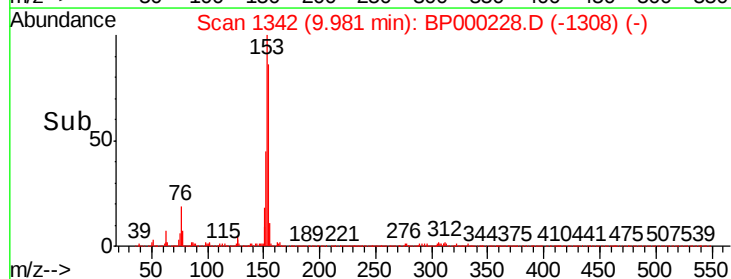
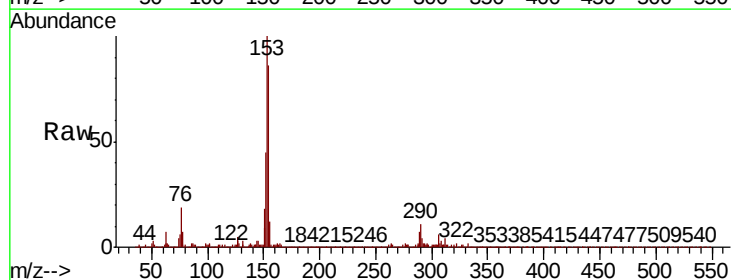
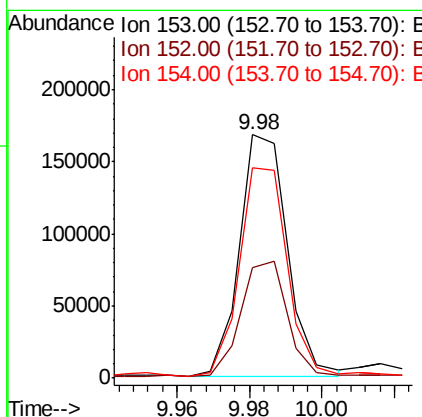
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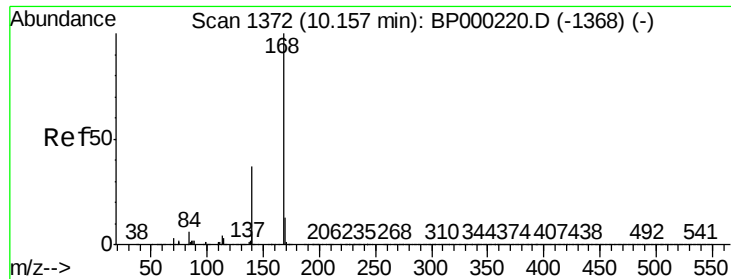
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#50
Acenaphthene
Concen: 4.647 ng/ul
RT: 9.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BP000228.D
Acq: 12 Sep 2019 20:58

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.3	38.0	57.0
154	86.4	72.6	108.8





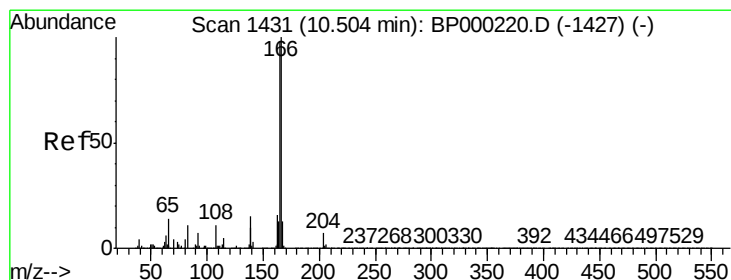
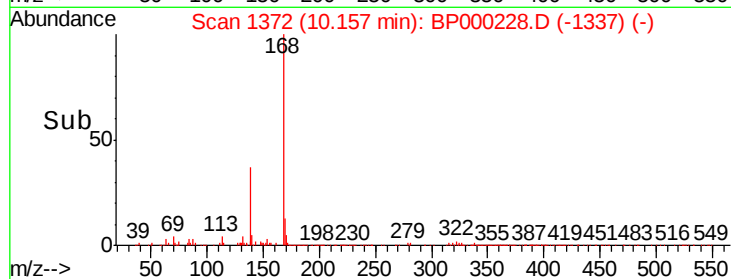
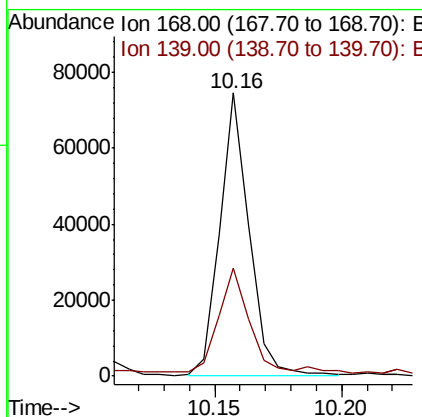
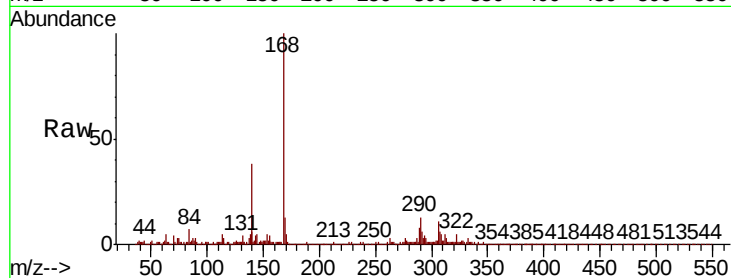
#54
Dibenzofuran
Concen: 1.324 ng/ul
RT: 10.16 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BP000228.D
Acq: 12 Sep 2019 20:58

Instrument :
BNA_P
ClientSampleId :
F2D30DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.0	45.0

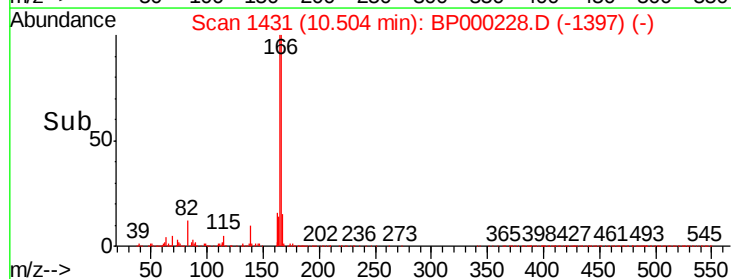
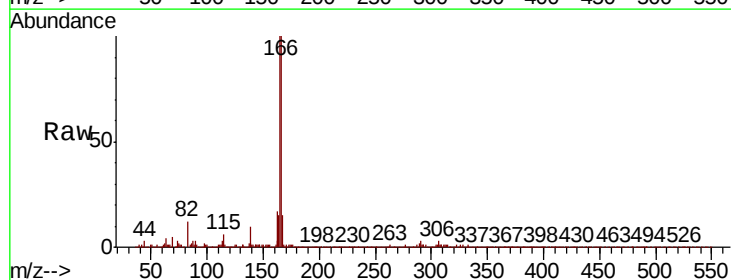
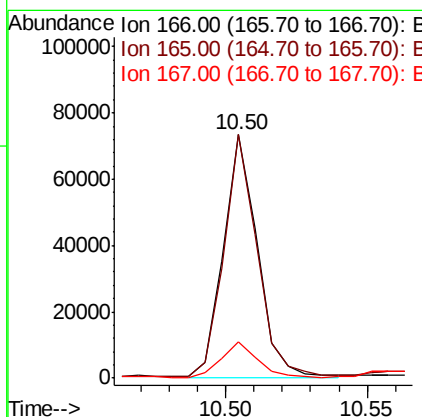
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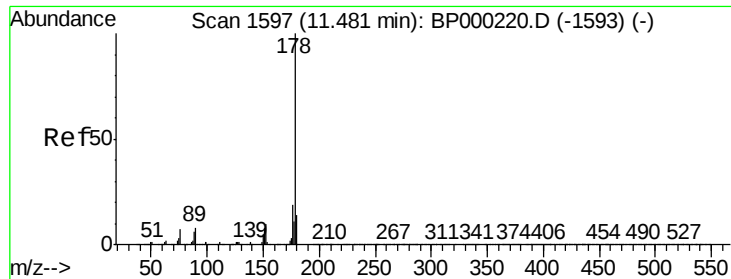
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#59
Fluorene
Concen: 1.760 ng/ul
RT: 10.50 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BP000228.D
Acq: 12 Sep 2019 20:58

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	77.8	116.8
167	15.1	10.9	16.3





#70

Phenanthrene

Concen: 28.164 ng/ul

RT: 11.49 min Scan# 1598

Delta R.T. 0.01 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

Instrument :

BNA_P

ClientSampleId :

F2D30DL

Tot Ion:178 Resp: 1531493

Ion Ratio Lower Upper

178 100

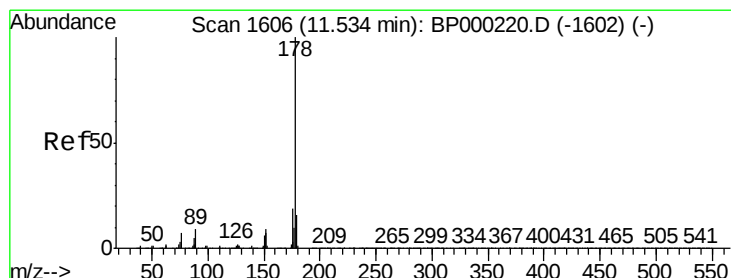
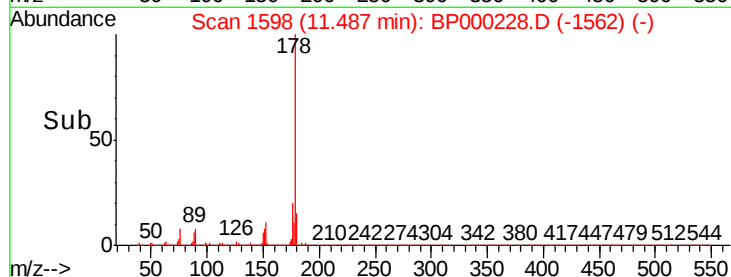
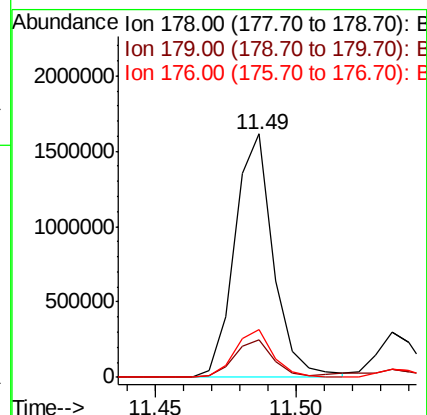
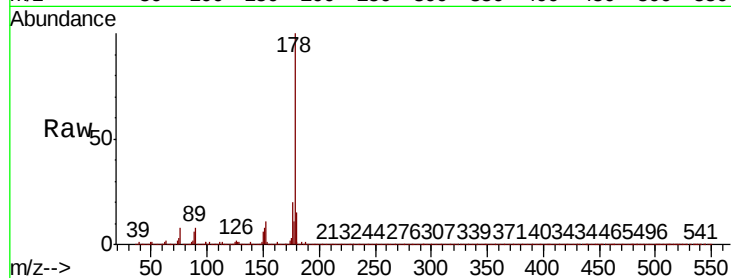
179 15.2 12.5 18.7

176 19.7 15.7 23.5

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#72

Anthracene

Concen: 5.405 ng/ul

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

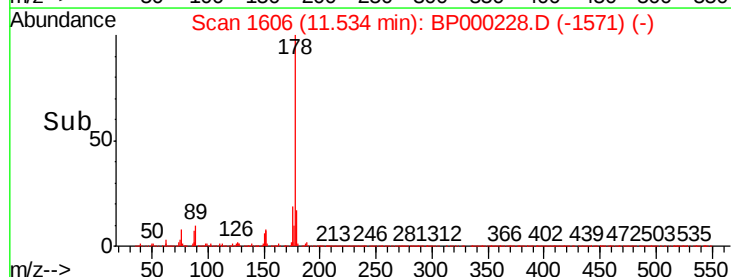
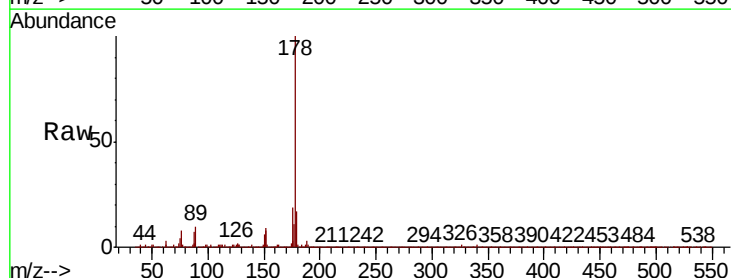
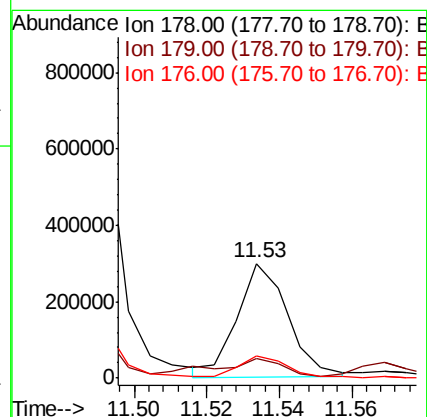
Tgt Ion:178 Resp: 289200

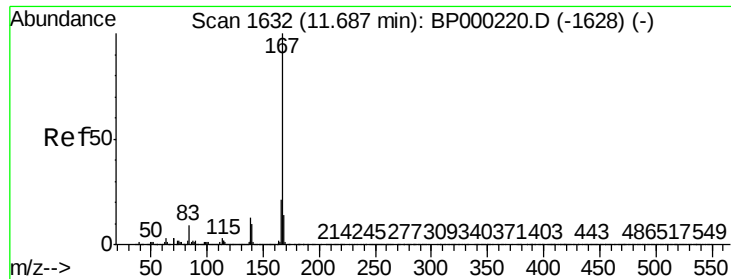
Ion Ratio Lower Upper

178 100

179 16.9 12.3 18.5

176 18.9 15.1 22.7





#75

Carbazole

Concen: 5.245 ng/ul

RT: 11.69 min Scan# 1633

Delta R.T. 0.01 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

Instrument :

BNA_P

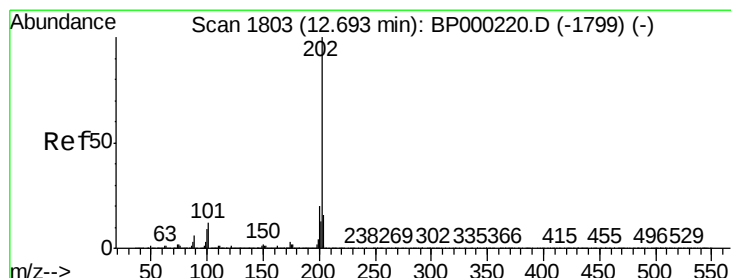
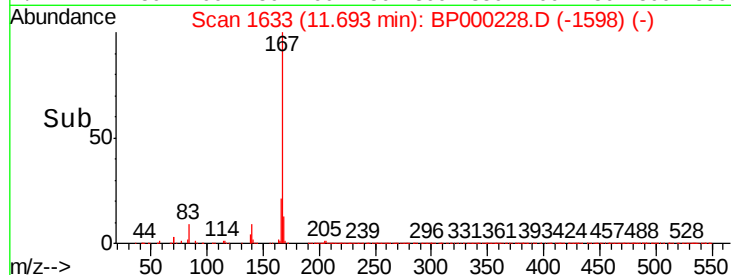
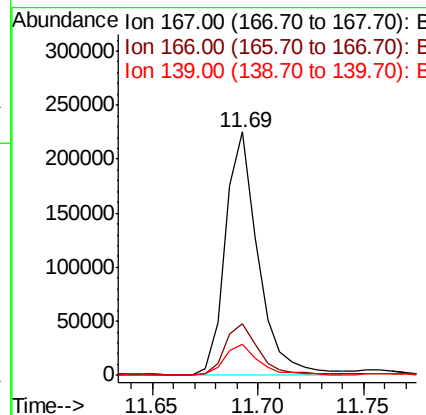
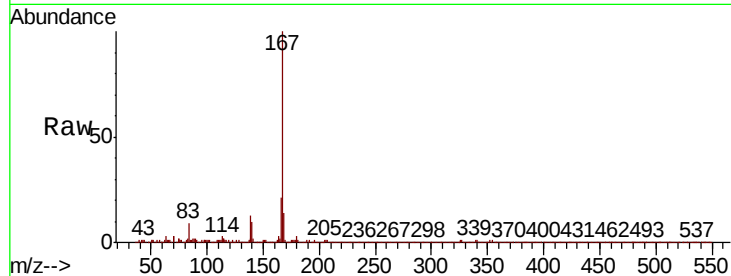
ClientSampleId :

F2D30DL

Tot Ion:	167	Resp:	239953
Ion Ratio		Lower	Upper
167	100		
166	21.4	17.3	25.9
139	13.0	10.6	15.8

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#77

Fluoranthene

Concen: 55.298 ng/ul

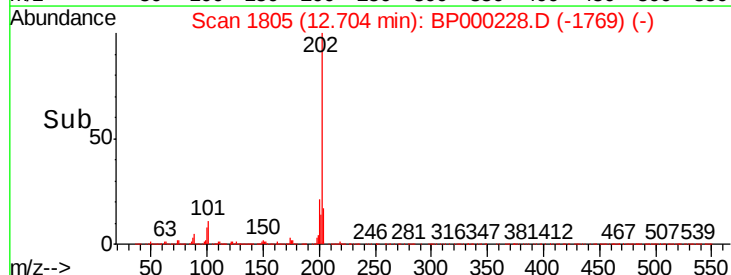
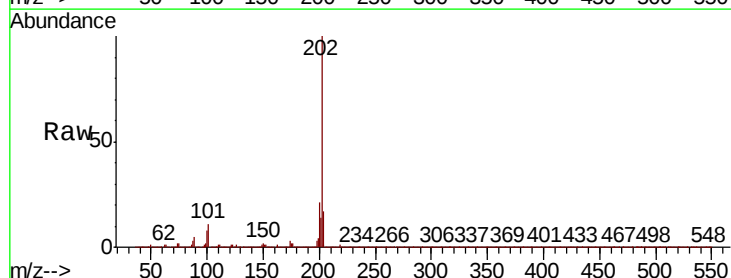
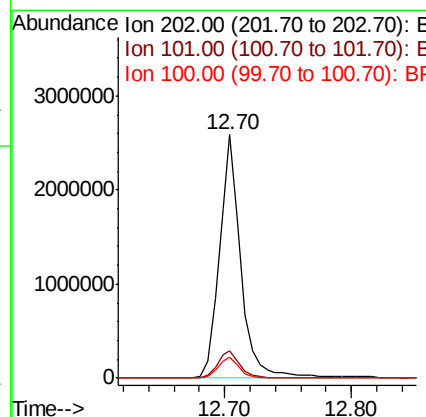
RT: 12.70 min Scan# 1805

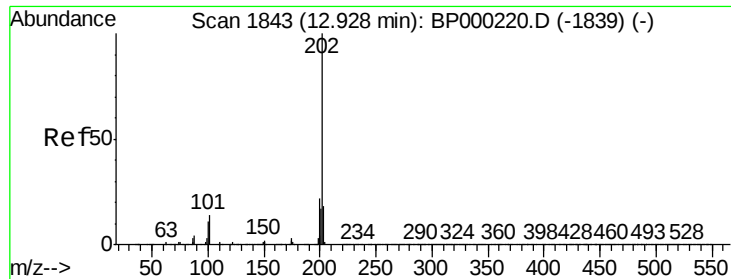
Delta R.T. 0.01 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

Tgt Ion:	202	Resp:	3032875
Ion Ratio		Lower	Upper
202	100		
101	11.2	10.0	15.0
100	8.4	7.4	11.2





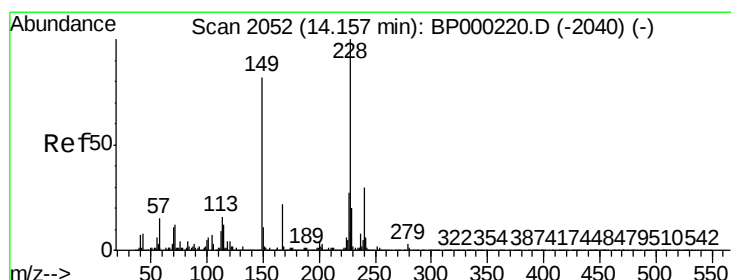
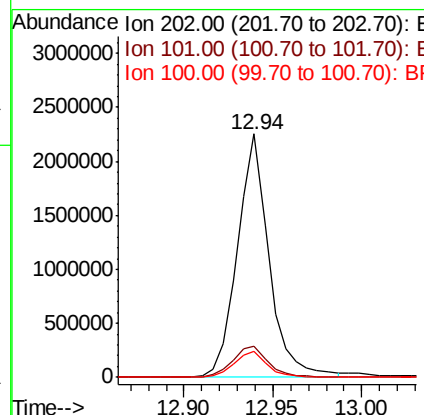
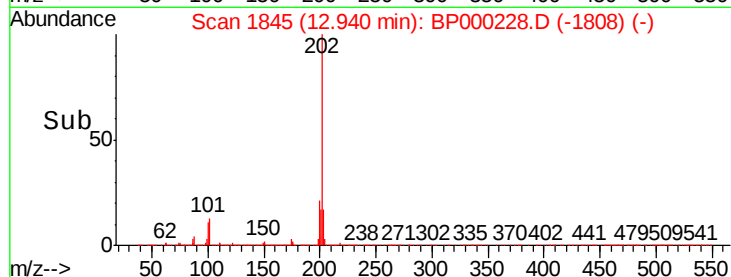
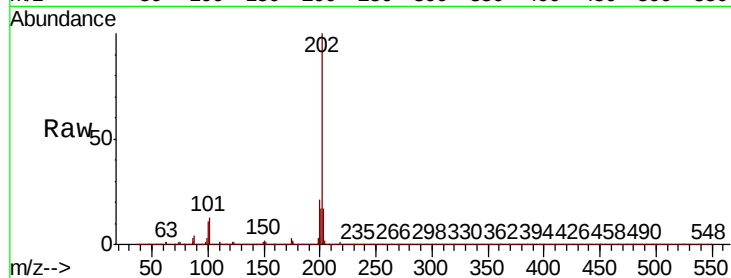
#80
Pvrene
Concen: 52.460 ng/ul m
RT: 12.94 min Scan# 1845
Delta R.T. 0.02 min
Lab File: BP000228.D
Acq: 12 Sep 2019 20:58

Instrument :
BNA_P
ClientSampleId :
F2D30DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.7	13.4	20.0#
100	10.6	10.8	16.2#

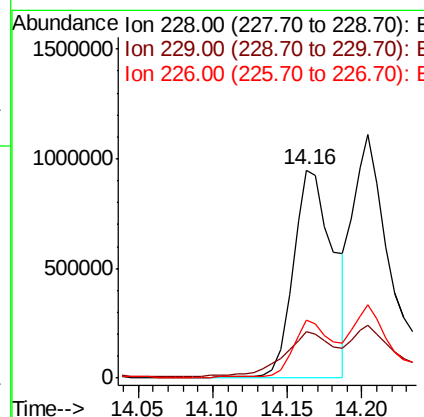
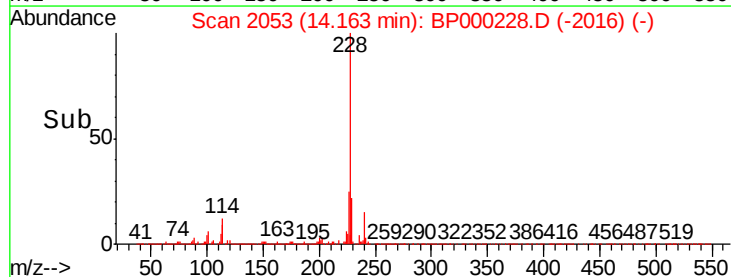
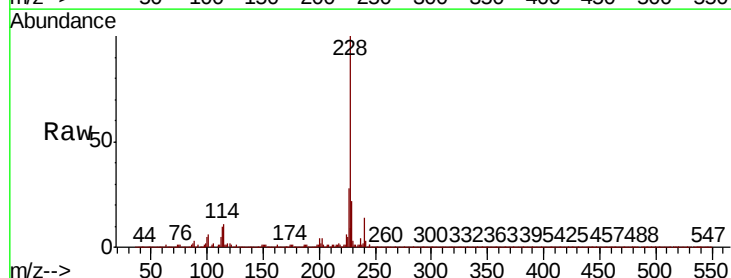
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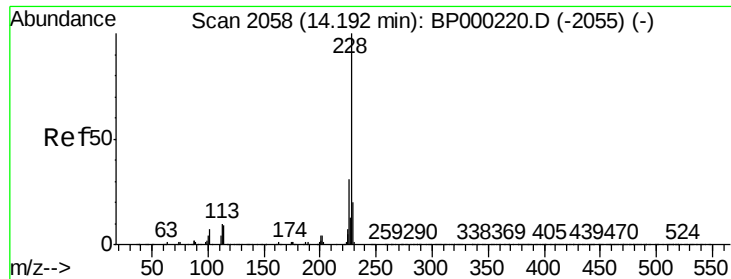
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#83
Benzo(a)anthracene
Concen: 34.580 ng/ul
RT: 14.16 min Scan# 2053
Delta R.T. 0.02 min
Lab File: BP000228.D
Acq: 12 Sep 2019 20:58

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.9	23.9
226	27.8	22.1	33.1





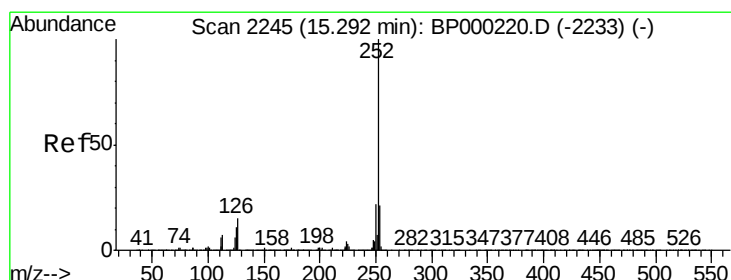
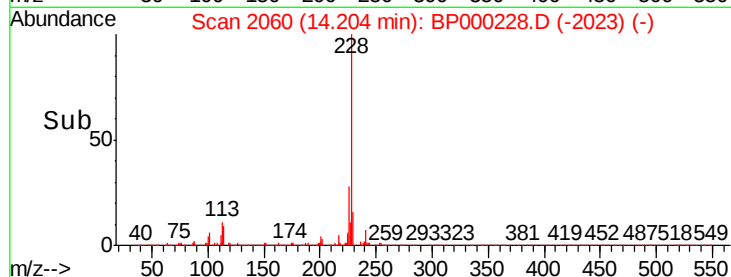
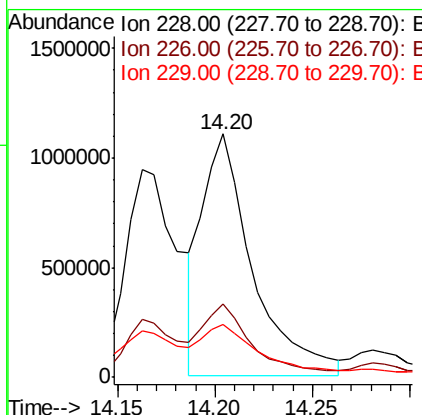
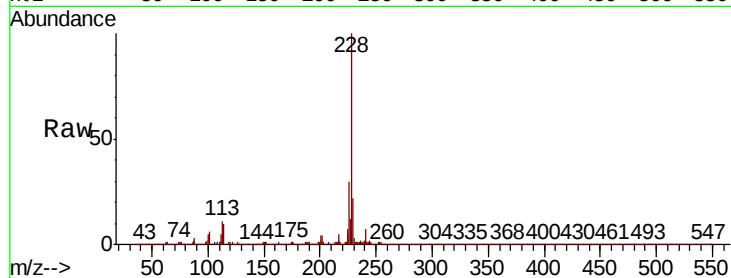
#85
Chrysene
Concen: 42.565 ng/ul
RT: 14.20 min Scan# 2060
Delta R.T. 0.02 min
Lab File: BP000228.D
Acq: 12 Sep 2019 20:58

Instrument :
BNA_P
ClientSampleID :
F2D30DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	21.9	16.0	24.0

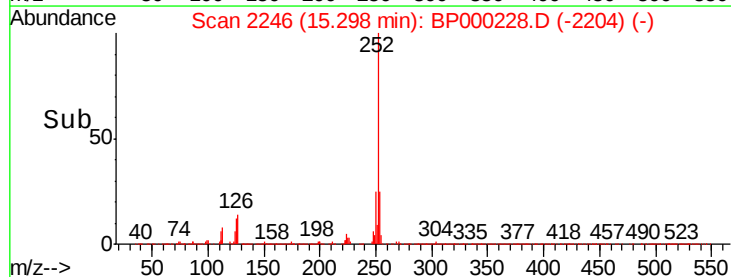
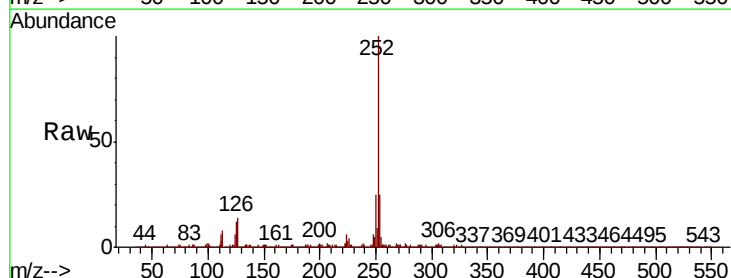
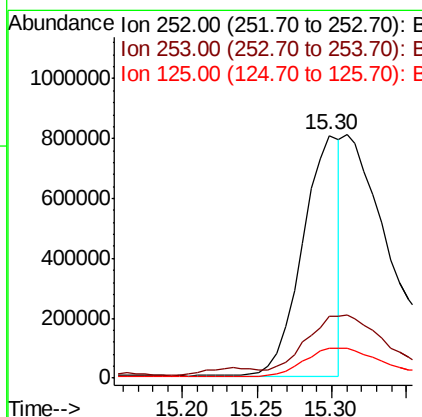
Manual Integrations
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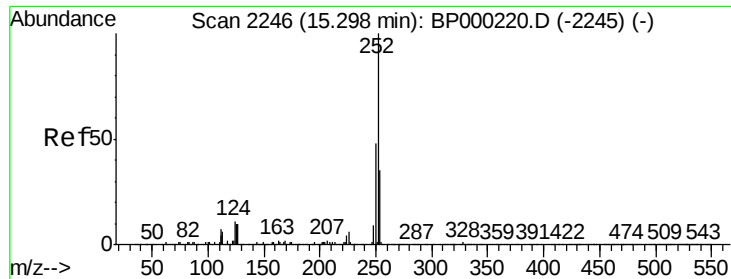
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#88
Benzo(b)fluoranthene
Concen: 31.078 ng/ul
RT: 15.30 min Scan# 2246
Delta R.T. 0.05 min
Lab File: BP000228.D
Acq: 12 Sep 2019 20:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.5	26.3
125	12.2	9.9	14.9





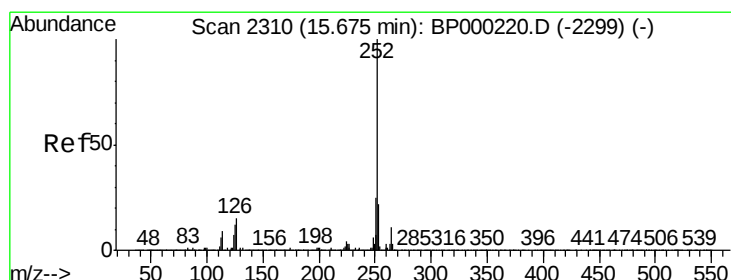
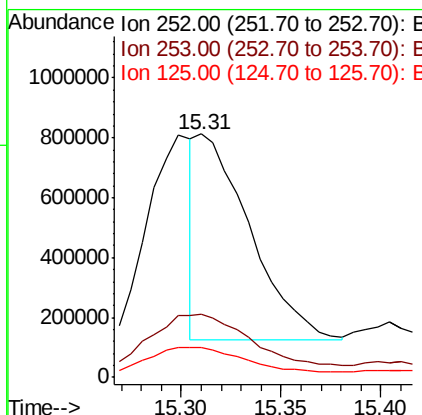
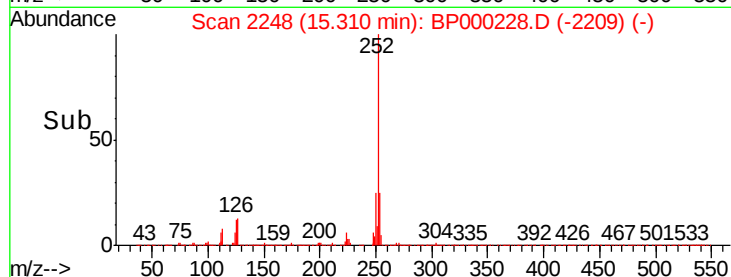
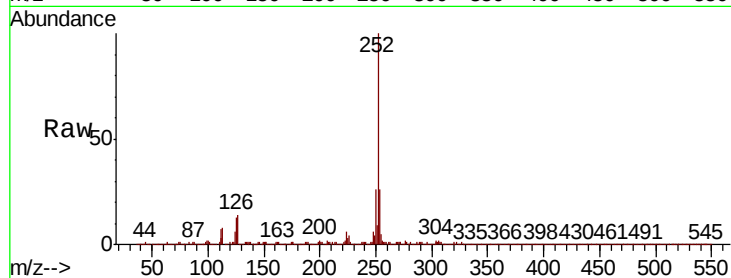
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Benzo(k)fluoranthene
Concen: 29.645 ng/ul m
RT: 15.31 min Scan# 2248
Delta R.T. 0.03 min
Lab File: BP000228.D
Acq: 12 Sep 2019 20:58

Instrument :
BNA_P
ClientSampleId :
F2D30DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.0	27.0
125	12.5	10.2	15.2

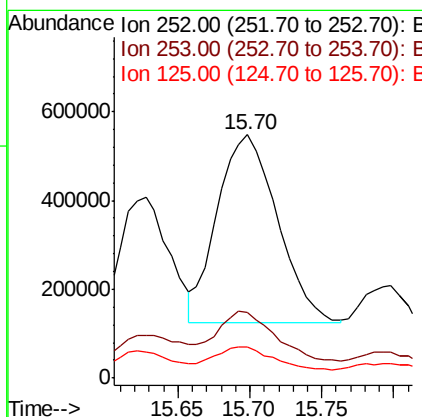
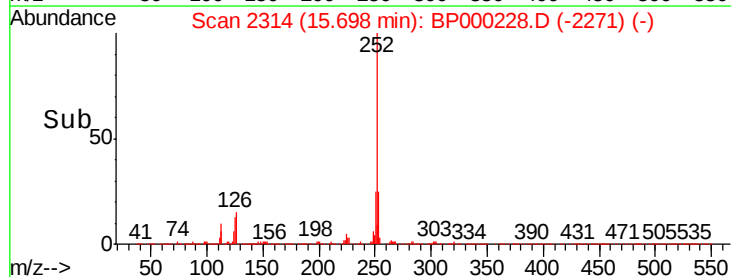
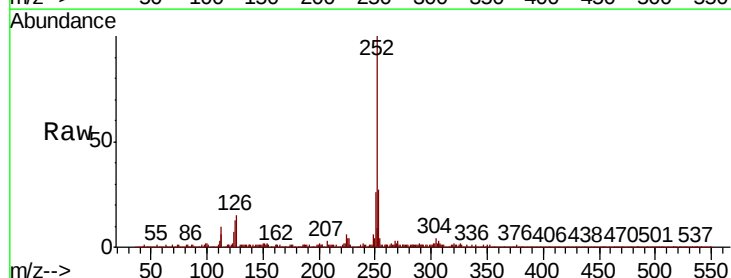
Manual Integrations
APPROVED

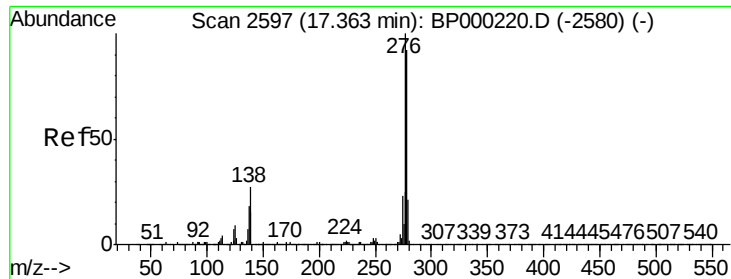
mohammad
9/16/2019 9:14:05 AM



#91
Benzo(a)pyrene
Concen: 29.013 ng/ul m
RT: 15.70 min Scan# 2314
Delta R.T. 0.05 min
Lab File: BP000228.D
Acq: 12 Sep 2019 20:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.5	26.3#
125	12.9	10.2	15.2





#92

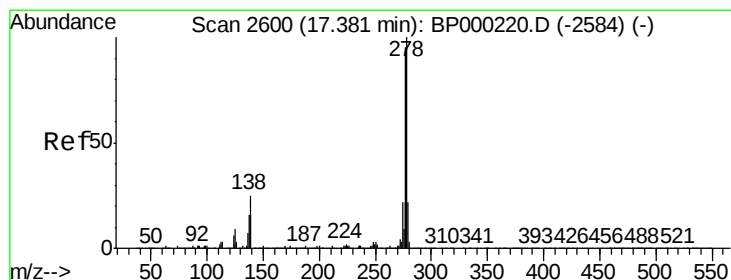
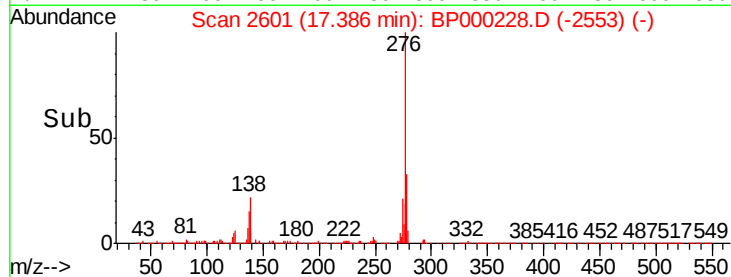
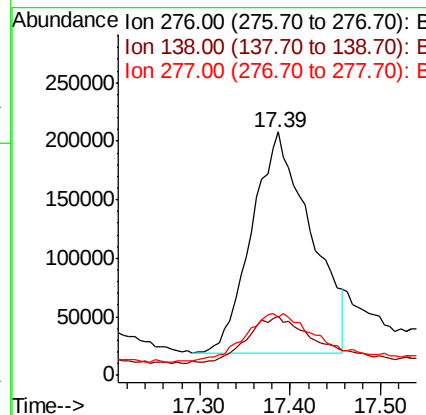
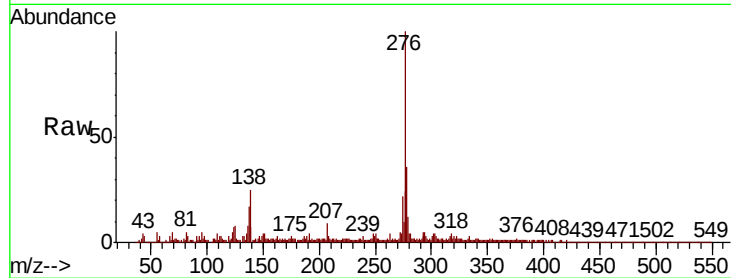
Indeno(1,2,3-cd)pyrene
Concen: 17.499 ng/ul
RT: 17.39 min Scan# 2601
Delta R.T. 0.08 min
Lab File: BP000228.D
Acq: 12 Sep 2019 20:58

Instrument :
BNA_P
ClientSampled :
F2D30DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.6	20.0	30.0
277	23.7	19.4	29.0

Manual Integrations
APPROVED

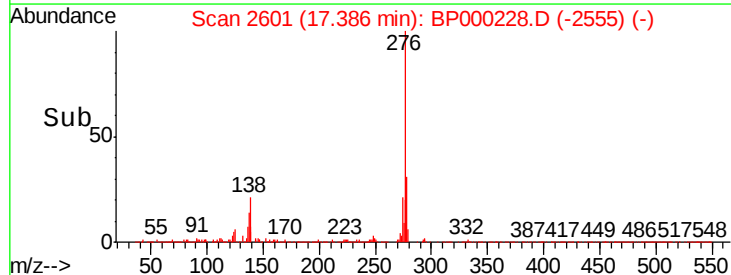
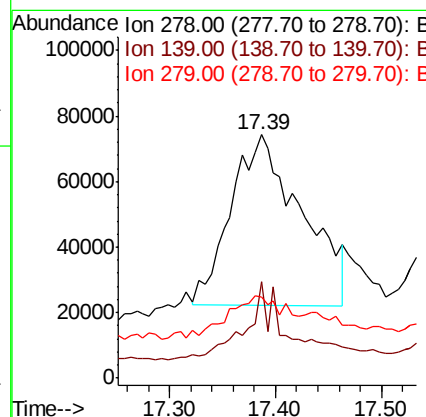
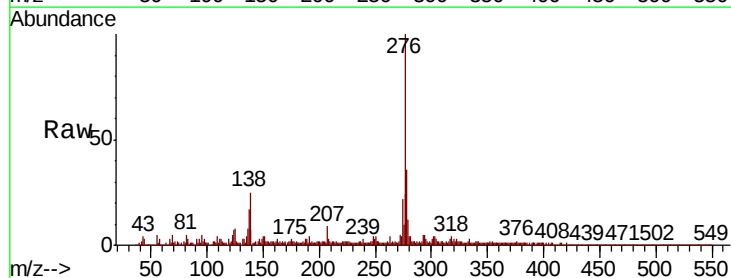
mohammad
9/16/2019 9:14:05 AM

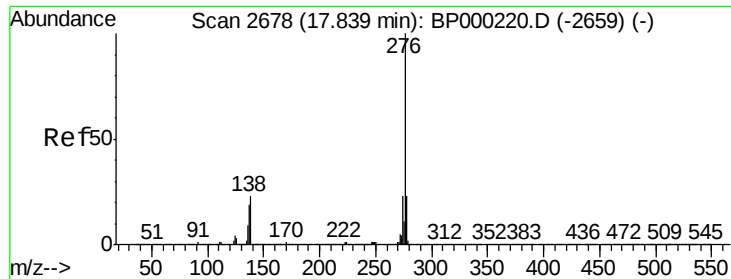


#93

Dibenzo(a,h)anthracene
Concen: 6.021 ng/ul m
RT: 17.39 min Scan# 2601
Delta R.T. 0.07 min
Lab File: BP000228.D
Acq: 12 Sep 2019 20:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.1	15.1	22.7
279	33.4	19.2	28.8#





#94

Benzo(a,h,i)perylene

Concen: 18.218 ng/ul

RT: 17.87 min Scan# 2683

Delta R.T. 0.10 min

Lab File: BP000228.D

Acq: 12 Sep 2019 20:58

Instrument :

BNA_P

ClientSampleId :

F2D30DL

Tot Ion:	276	Resp:	742052
Ion Ratio		Lower	Upper
276	100		
138	26.2	20.0	30.0
277	28.3	19.1	28.7

Manual Integrations
APPROVED

mohammad
9/16/2019 9:14:05 AM

