

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092719\
 Data File : BP000467.D
 Acq On : 27 Sep 2019 19:08
 Operator : JU
 Sample : K5038-05DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DN-3DL

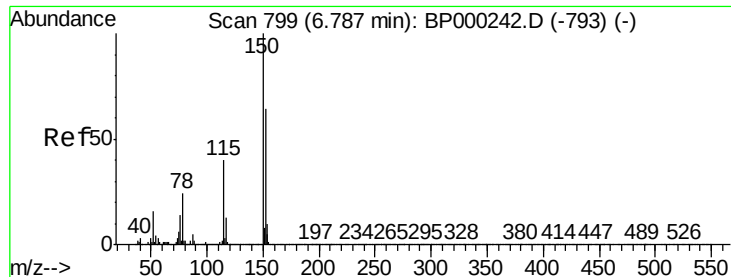
Manual Integrations
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 9/30/2019 8:15:31 AM

Quant Time: Sep 28 00:09:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	238128	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	873162	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	217332	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	396536	20.00	ng	0.00
76) Chrysene-d12	14.00	240	341651	20.00	ng	0.00
87) Perylene-d12	15.49	264	393781	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	312509	22.66	ng	0.00
7) Phenol-d6	6.42	99	399197	23.61	ng	0.00
23) Nitrobenzene-d5	7.34	82	209546	15.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	58372	27.08	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	505015	41.82	ng	0.00
79) Terphenyl-d14	12.93	244	285566	17.53	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.55	163	35506	2.398	ng	99
71) Phenanthrene	11.36	178	553972	27.878	ng	98
72) Anthracene	11.40	178	154350	7.546	ng	98
75) Fluoranthene	12.56	202	835131	39.139	ng	93
78) Pyrene	12.79	202	746796	29.216	ng	99
81) Benzo(a)anthracene	13.99	228	351110	16.269	ng	99
83) Chrysene	14.03	228	300683	14.190	ng	96
86) Indeno(1,2,3-cd)pyrene	16.97	276	216698	8.390	ng	# 86
88) Benzo(b)fluoranthene	15.06	252	443636m	18.885	ng	
89) Benzo(k)fluoranthene	15.09	252	103027m	5.028	ng	
90) Benzo(a)pyrene	15.43	252	308390m	14.427	ng	
91) Dibenzo(a,h)anthracene	16.98	278	46229	2.320	ng	# 80
92) Benzo(a,h,i)perylene	17.43	276	211875	10.343	ng	# 91

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



#1

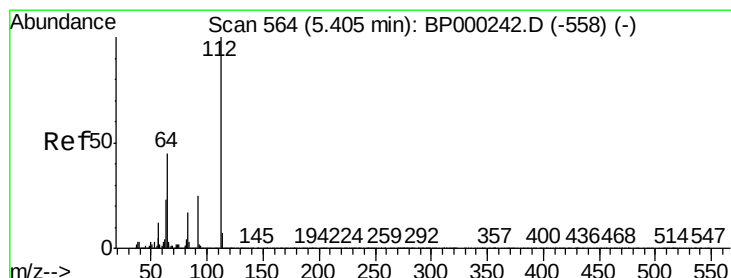
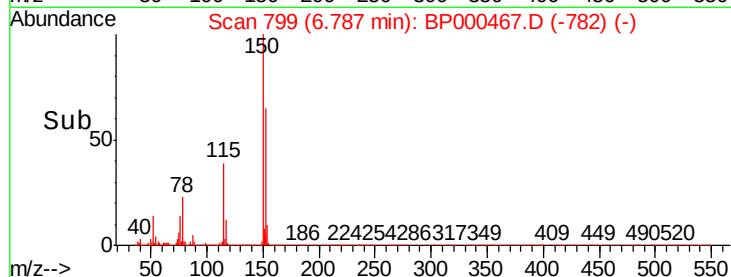
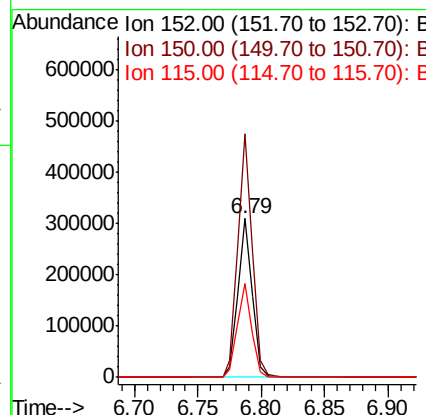
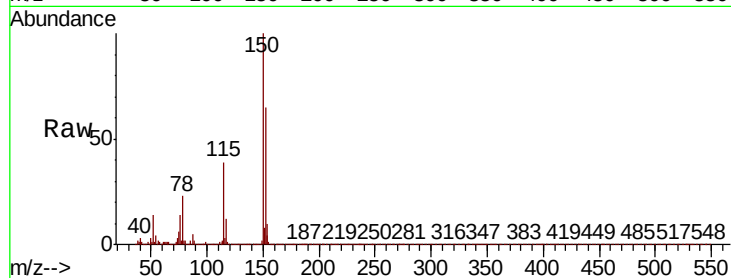
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Instrument :
BNA_P
ClientSampleId :
DN-3DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	125.2	187.8
115	59.2	49.7	74.5

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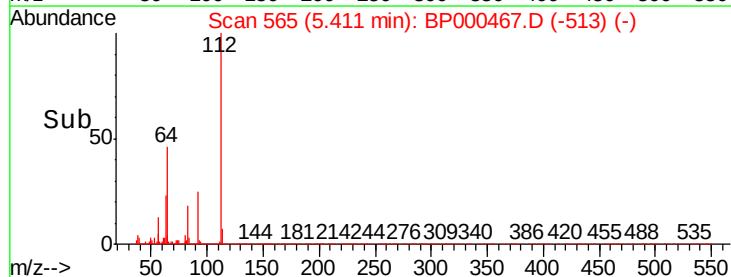
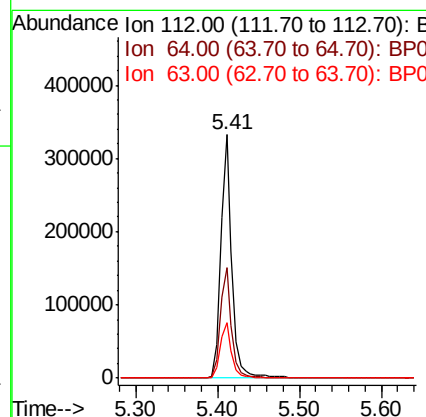
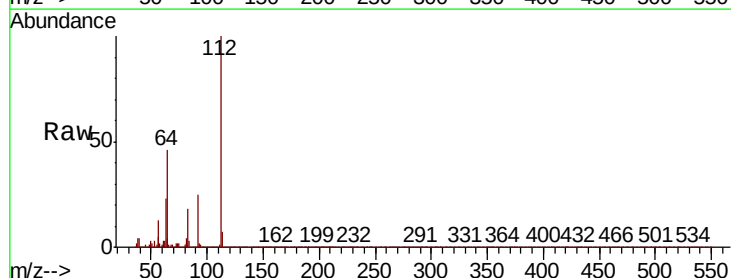
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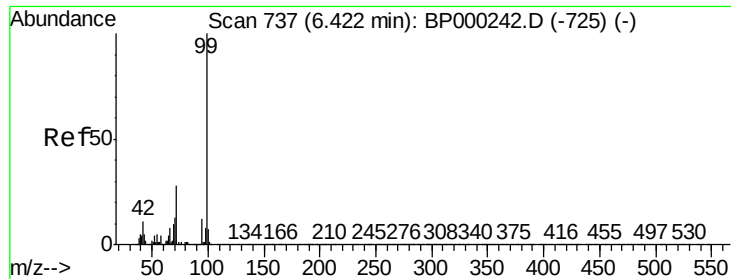


#5

2-Fluorophenol
Concen: 22.656 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.5	36.2	54.4
63	23.0	18.3	27.5





#7

Phenol-d6

Concen: 23.610 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

Instrument :

BNA_P

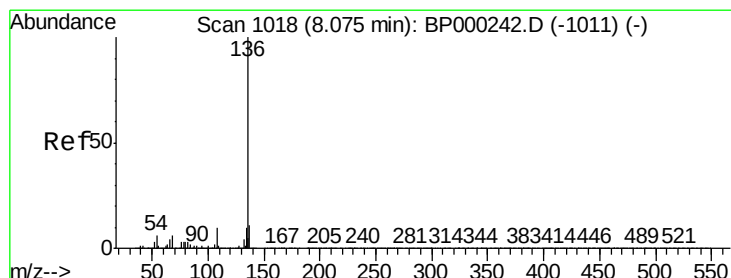
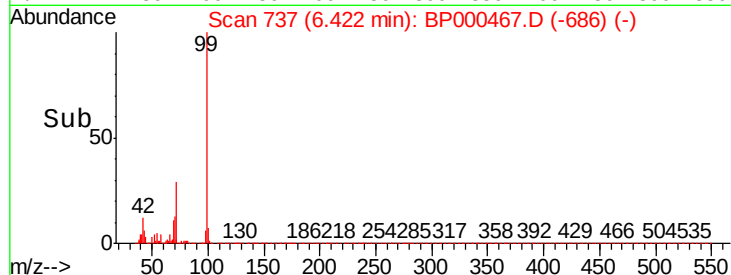
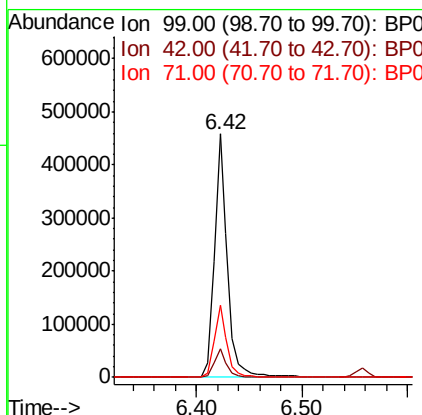
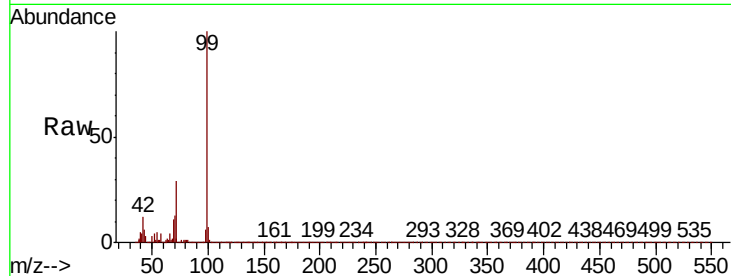
ClientSampleId :

DN-3DL

Tot Ion:	99	Resp:	399197
Ion Ratio	Lower	Upper	
99	100		
42	11.7	8.5	12.7
71	29.5	22.6	34.0

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#21

Naphthalene-d8

Concen: 20.000 ng

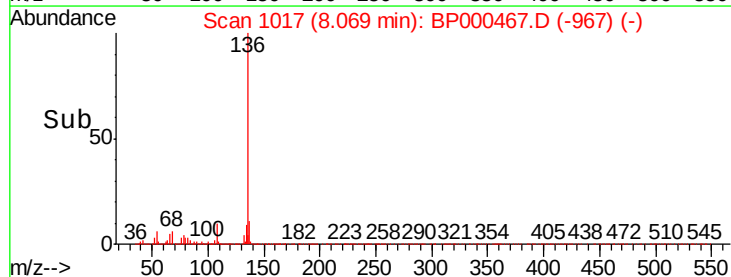
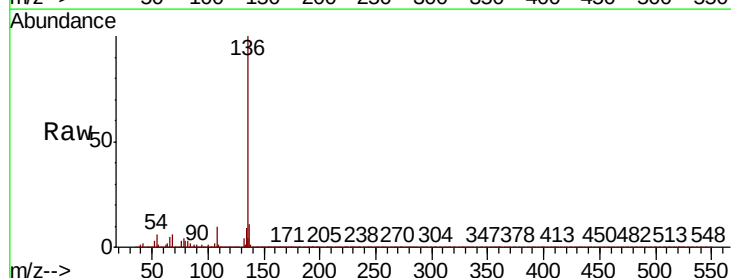
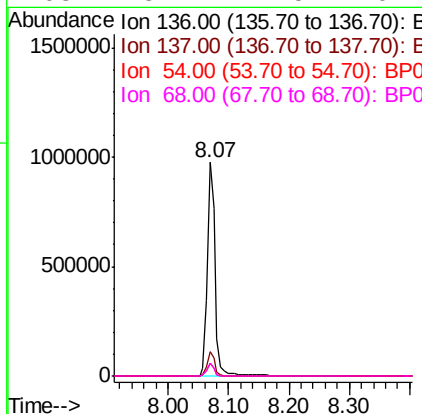
RT: 8.07 min Scan# 1017

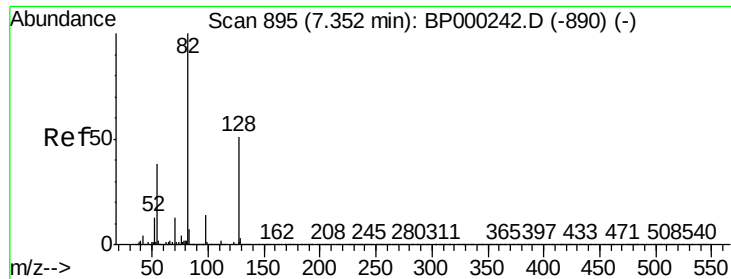
Delta R.T. -0.01 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

Tgt Ion:	136	Resp:	873162
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	13.0
54	5.9	4.5	6.7
68	5.7	4.5	6.7





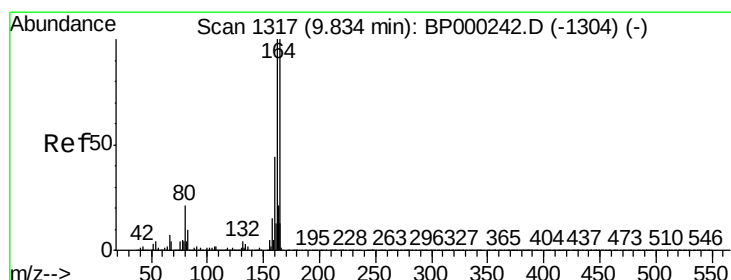
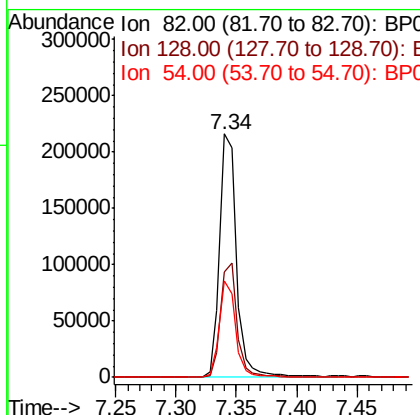
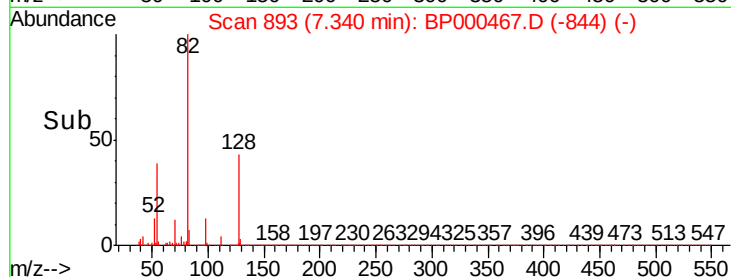
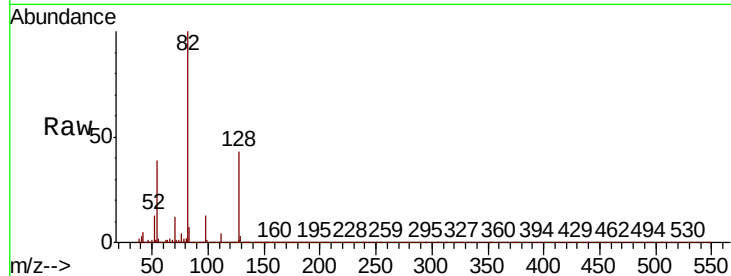
#23
 Nitrobenzene-d5
 Concen: 15.484 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BP000467.D
 Acq: 27 Sep 2019 19:08

Instrument :
 BNA_P
 ClientSampled :
 DN-3DL

Tot Ion:	82	Resp:	209546
Ion Ratio	Lower	Upper	
82	100		
128	43.4	40.7	61.1
54	39.4	30.1	45.1

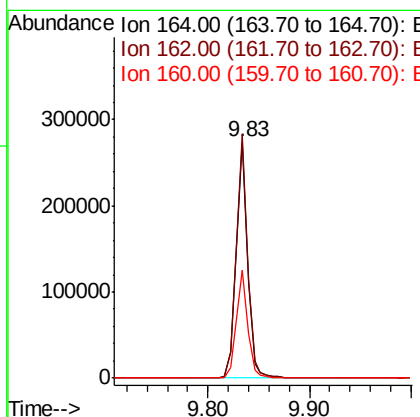
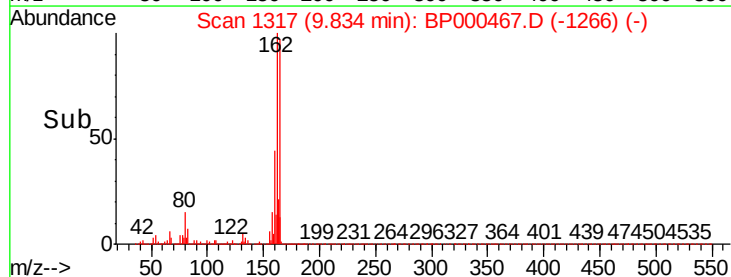
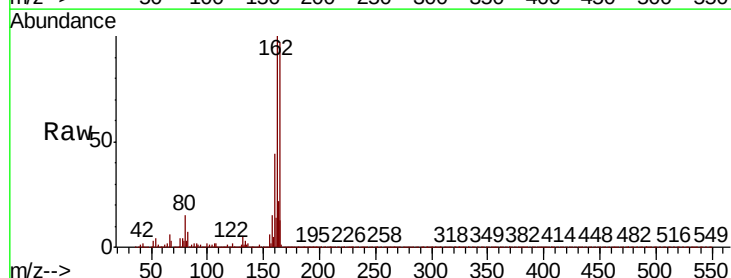
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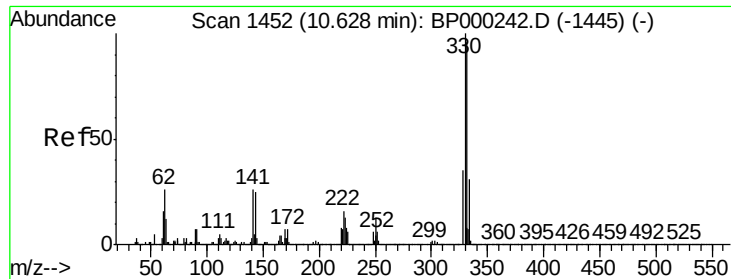
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BP000467.D
 Acq: 27 Sep 2019 19:08

Tgt Ion:	164	Resp:	217332
Ion Ratio	Lower	Upper	
164	100		
162	103.0	79.9	119.9
160	45.6	35.6	53.4





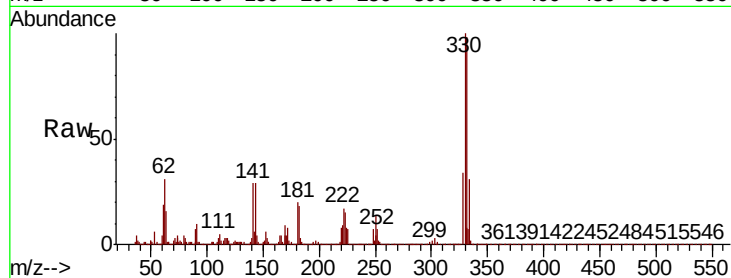
#42
2,4,6-Tribromophenol
Concen: 27.079 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Instrument :
BNA_P
ClientSampled :
DN-3DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	58372		
332	96.4		76.6	115.0
141	30.7		26.5	39.7

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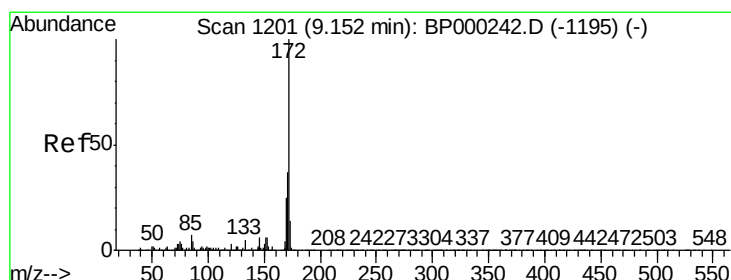
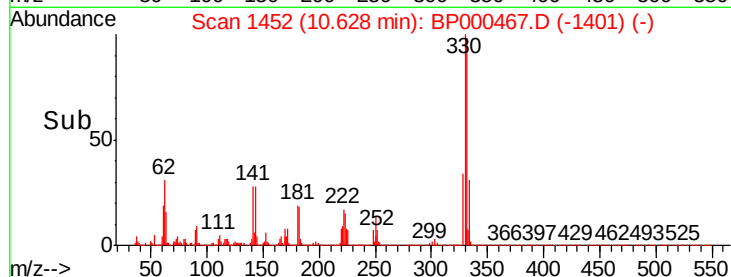
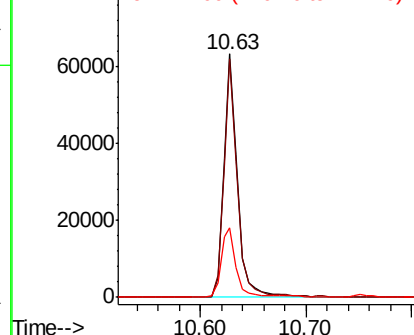


Abundance

Ion 329.80 (329.50 to 330.50): E

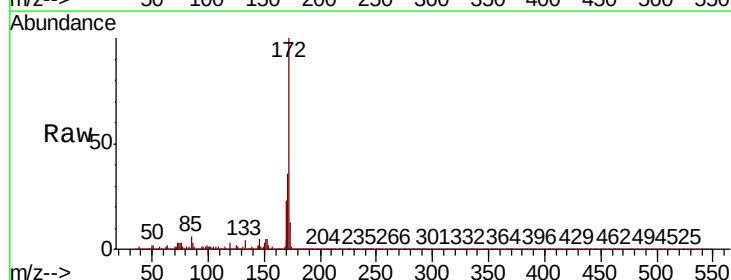
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 41.822 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	505015		
171	35.8		29.8	44.6
170	23.2		19.8	29.6

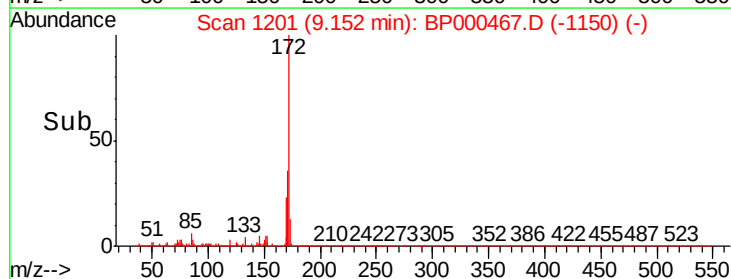
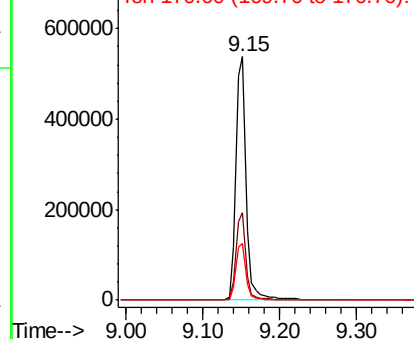


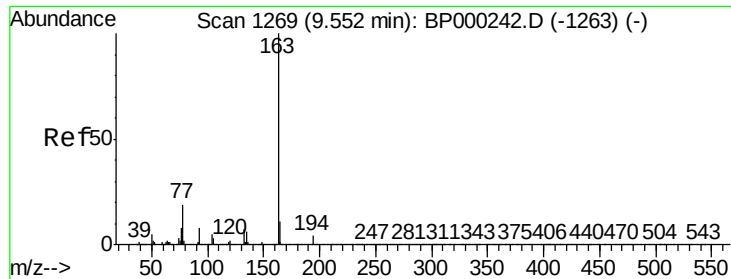
Abundance

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





#50

Dimethylphthalate

Concen: 2.398 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

Instrument :

BNA_P

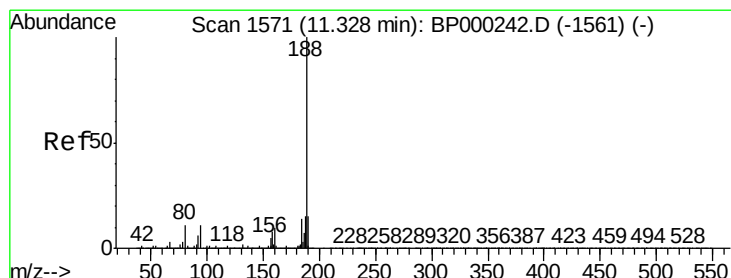
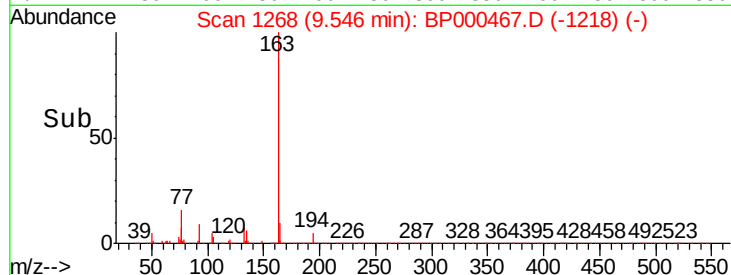
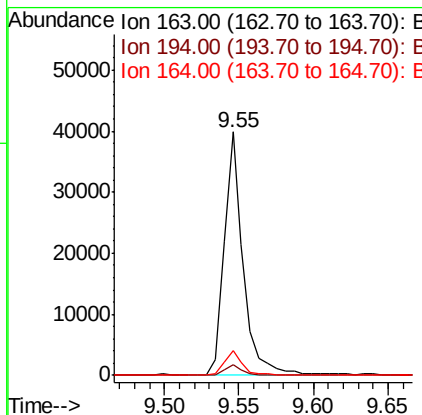
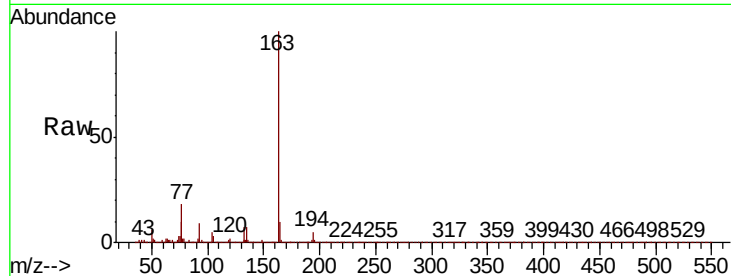
ClientSampled :

DN-3DL

Tot Ion:	163	Resp:	35506
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.4	5.0
164	10.3	8.5	12.7

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#64

Phenanthrene-d10

Concen: 20.000 ng

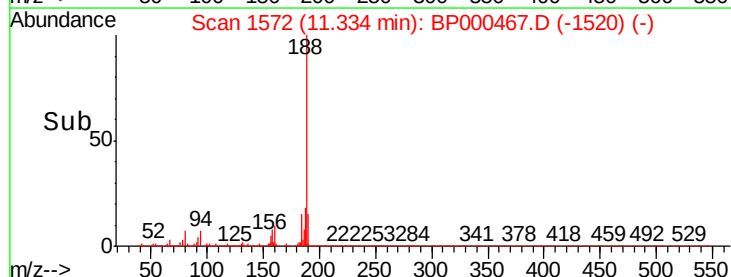
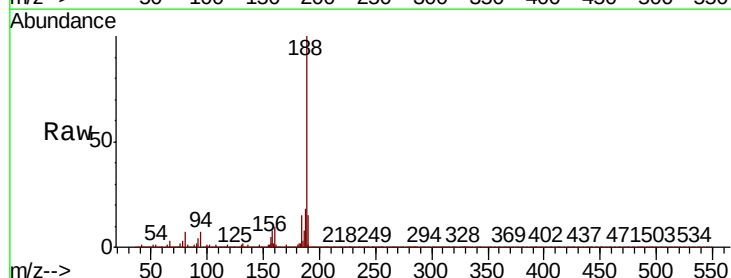
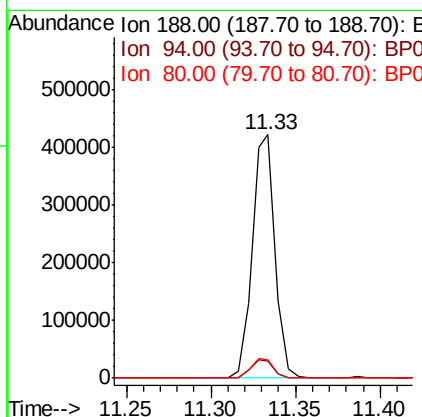
RT: 11.33 min Scan# 1572

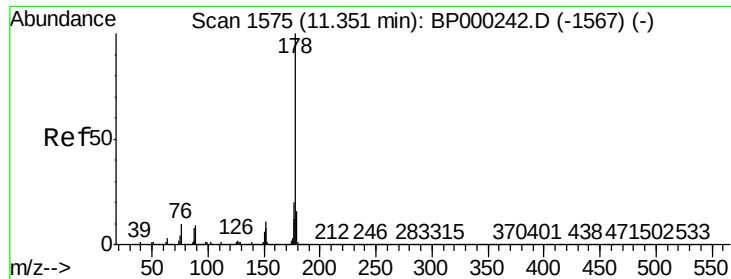
Delta R.T. 0.01 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

Tgt Ion:	188	Resp:	396536
Ion Ratio	Lower	Upper	
188	100		
94	6.8	8.5	12.7#
80	7.5	8.6	13.0#





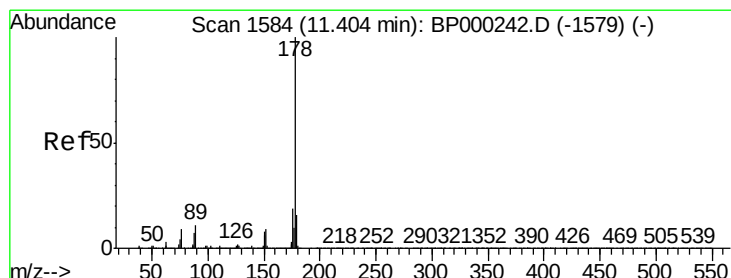
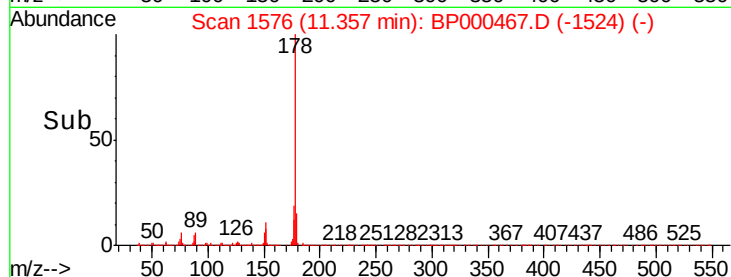
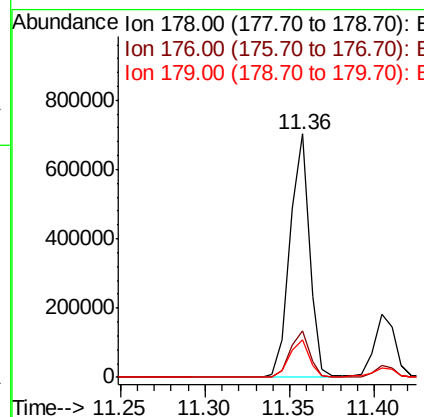
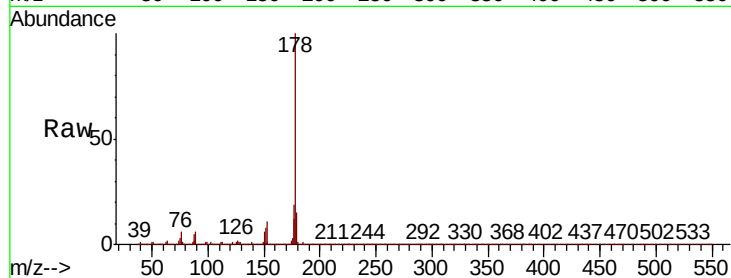
#71
Phenanthrene
Concen: 27.878 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Instrument :
BNA_P
ClientSampleId :
DN-3DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.2	12.7	19.1

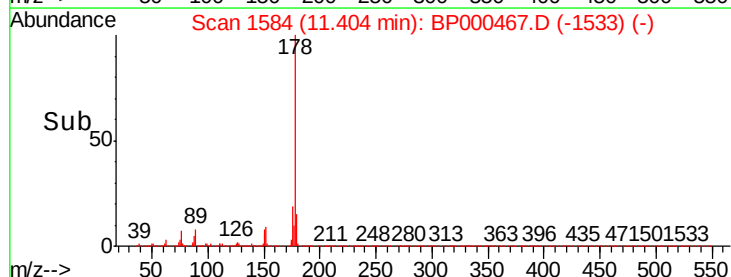
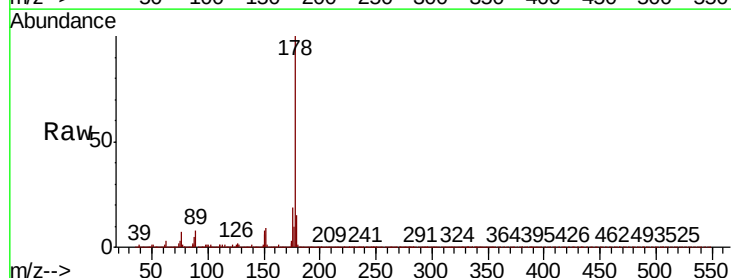
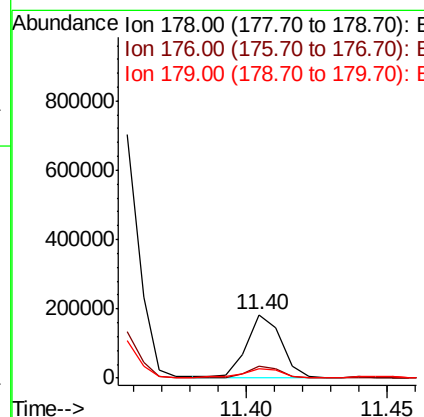
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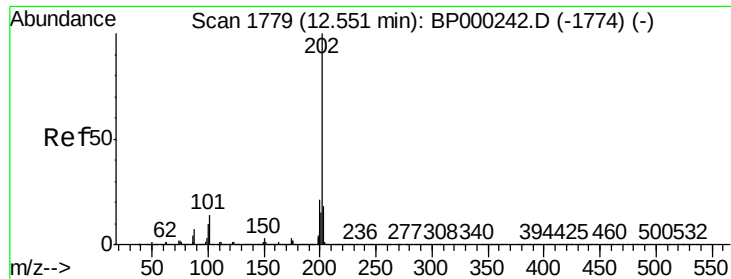
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#72
Anthracene
Concen: 7.546 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.1	12.7	19.1





#75

Fluoranthene

Concen: 39.139 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

Instrument :

BNA_P

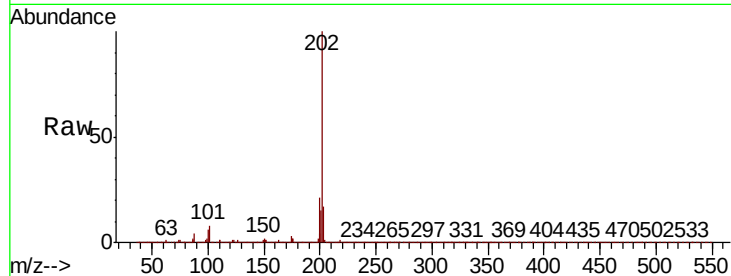
ClientSampleId :

DN-3DL

Tot Ion:	202	Resp:	835131
Ion Ratio	Lower	Upper	
202	100		
101	7.7	0.0	33.9
203	17.5	0.0	38.0

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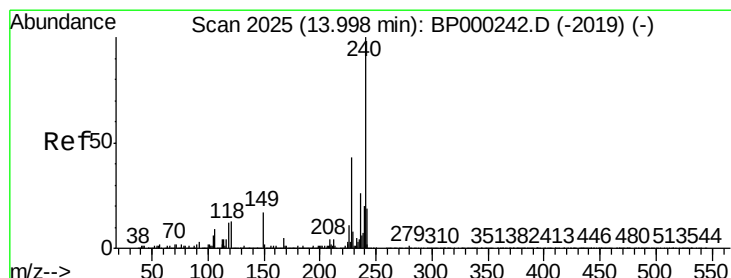
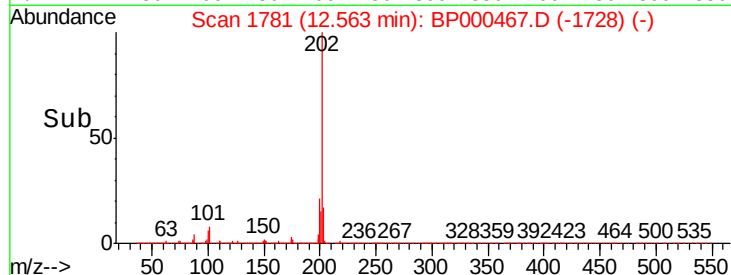
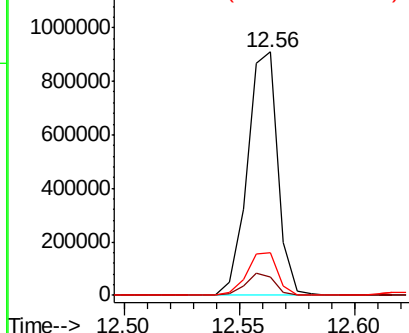


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

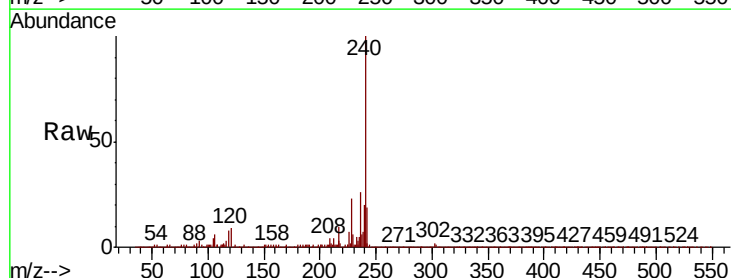
RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

Tgt Ion:	240	Resp:	341651
Ion Ratio	Lower	Upper	
240	100		
120	8.9	10.4	15.6#
236	25.8	21.0	31.6

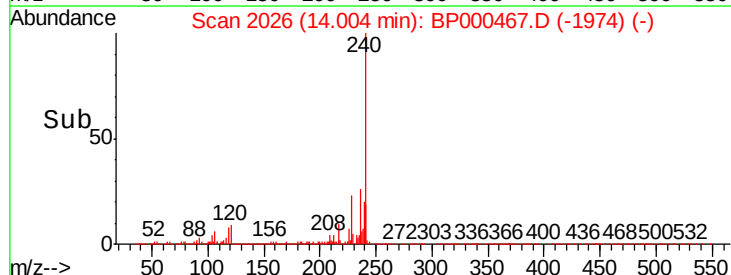
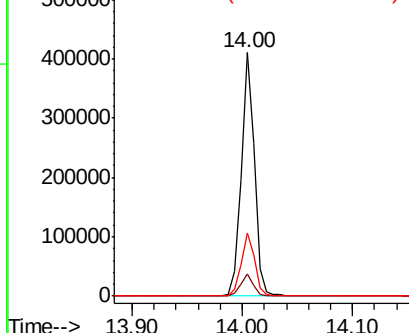


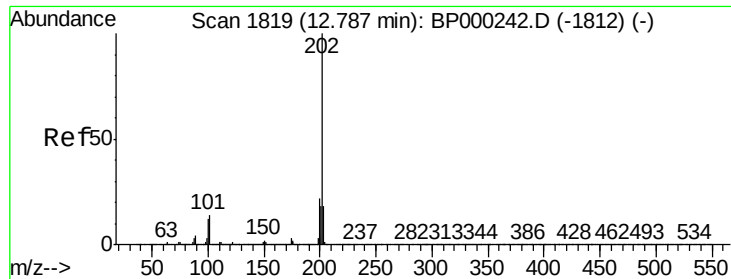
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





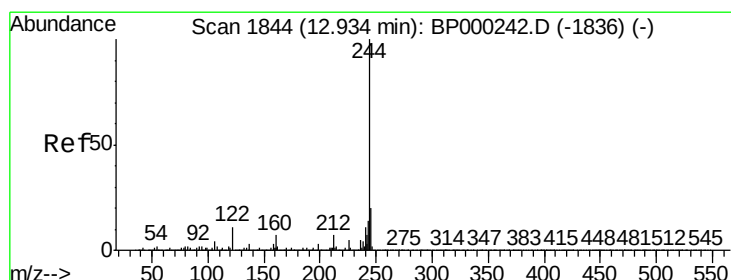
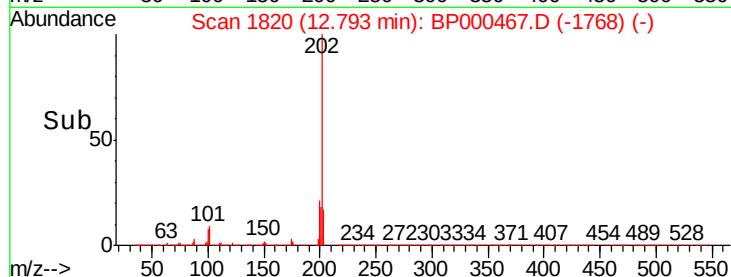
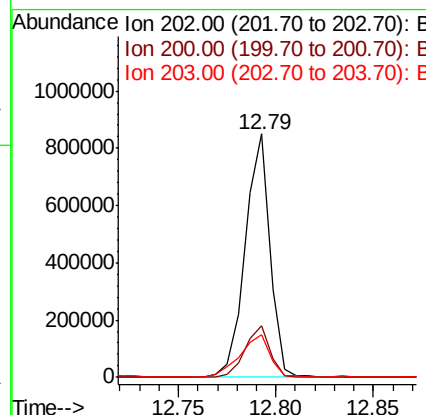
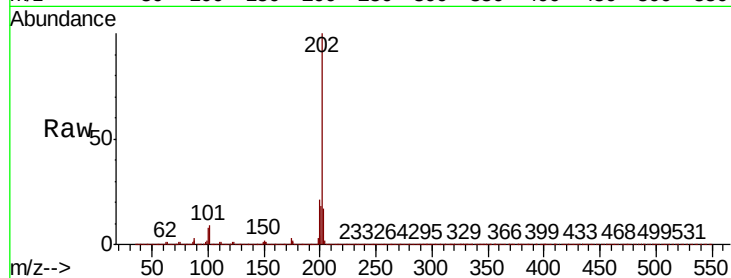
#78
Pvrene
Concen: 29.216 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Instrument :
BNA_P
ClientSampleID :
DN-3DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.5	26.3
203	17.5	14.3	21.5

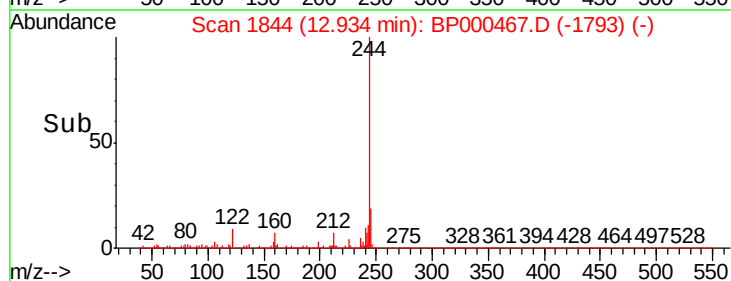
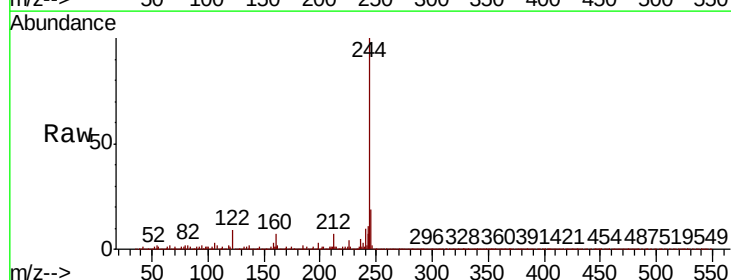
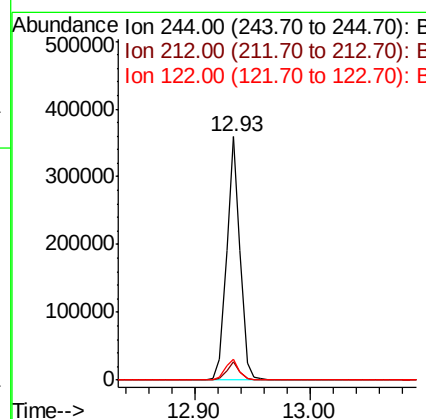
Manual Integrations
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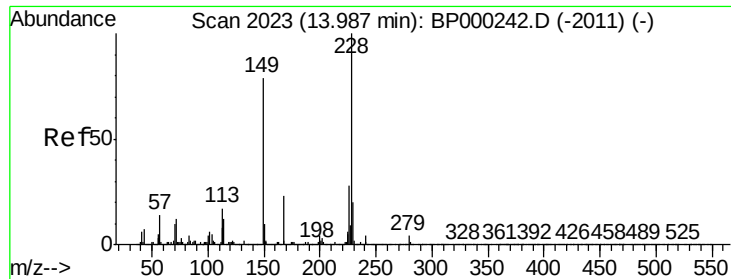
mohammad
9/30/2019 8:15:31 AM



#79
Terphenyl-d14
Concen: 17.535 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.9	8.9
122	8.8	9.0	13.4





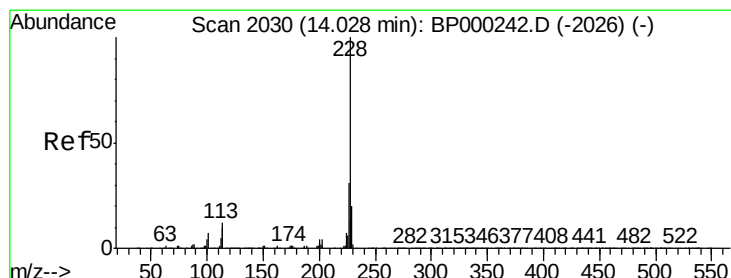
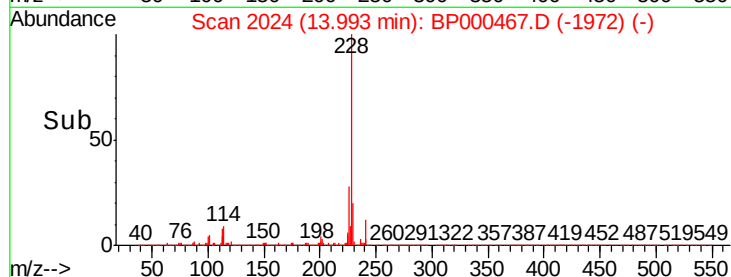
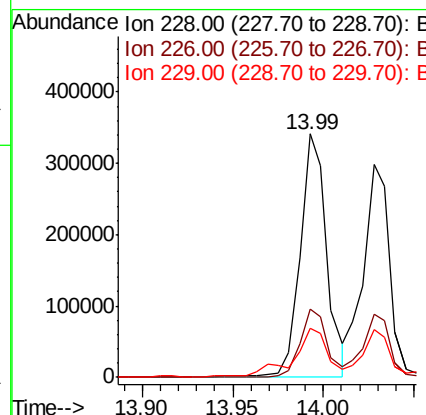
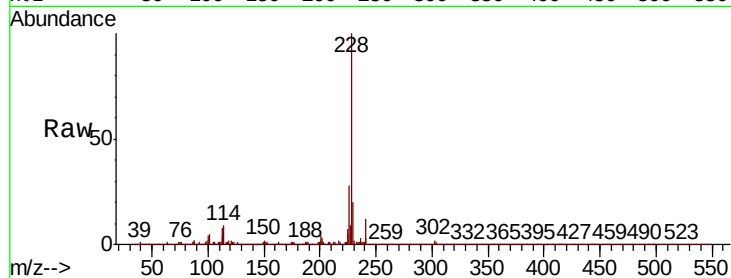
#81
Benzo(a)anthracene
Concen: 16.269 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Instrument :
BNA_P
ClientSampled :
DN-3DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.4
229	20.3	16.0	24.0

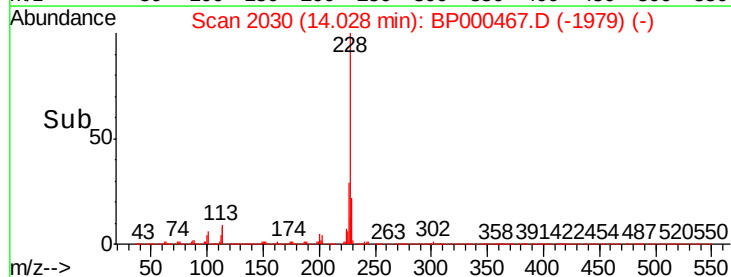
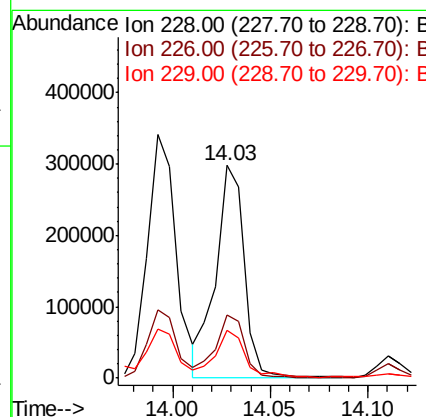
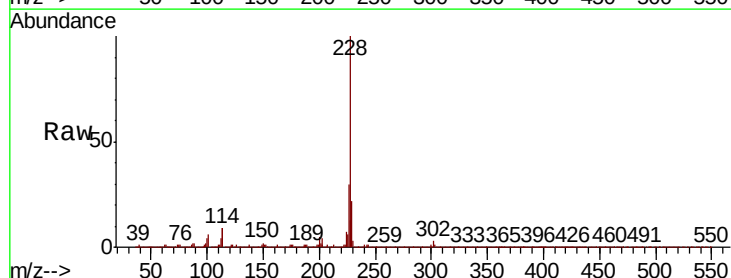
Manual Integrations
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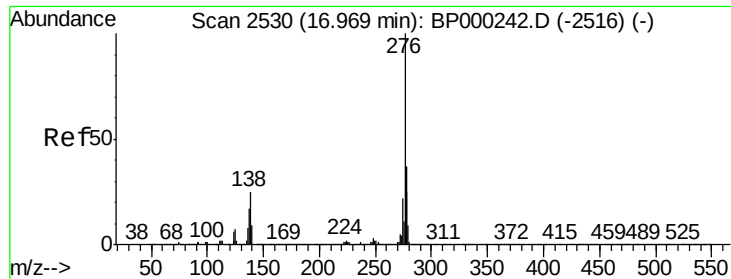
mohammad
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#83
Chrysene
Concen: 14.190 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	22.4	16.2	24.2





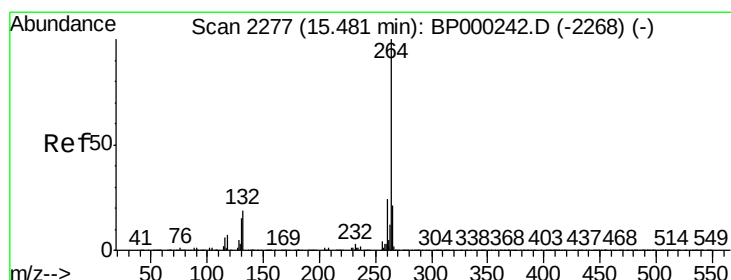
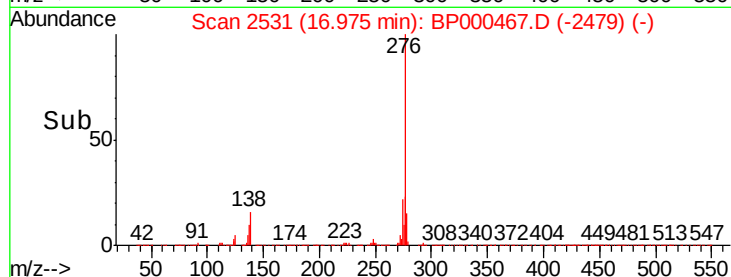
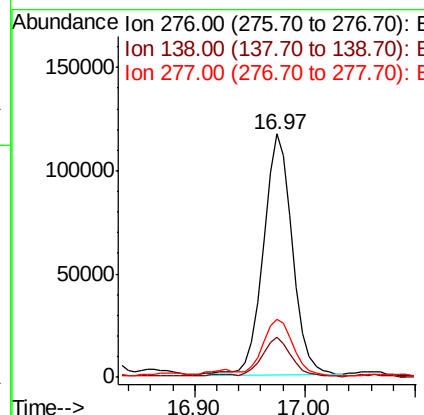
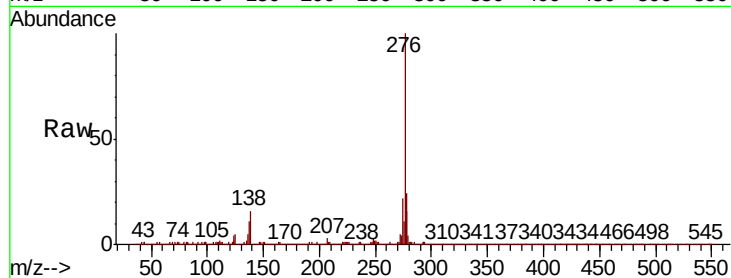
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.390 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.01 min
 Lab File: BP000467.D
 Acq: 27 Sep 2019 19:08

Instrument :
 BNA_P
 ClientSampleId :
 DN-3DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	216698		
138	15.7	22.6	33.8#	
277	24.2	20.4	30.6	

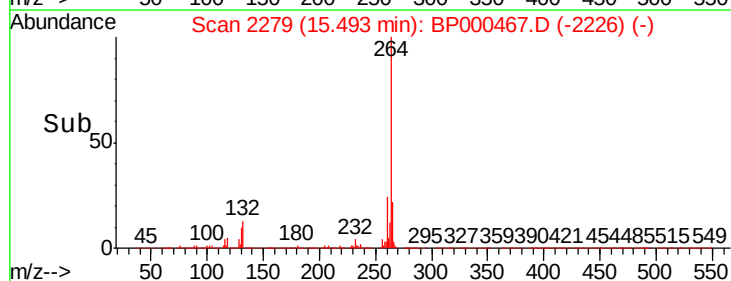
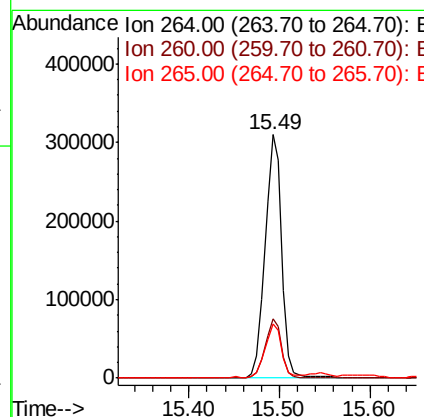
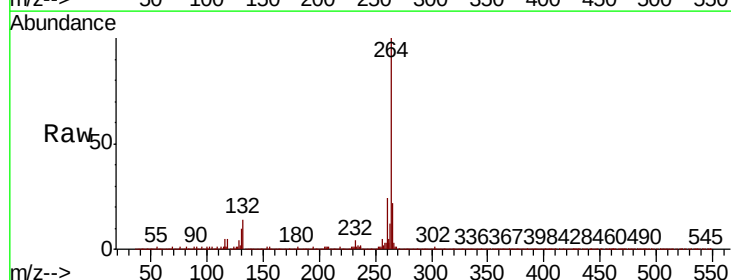
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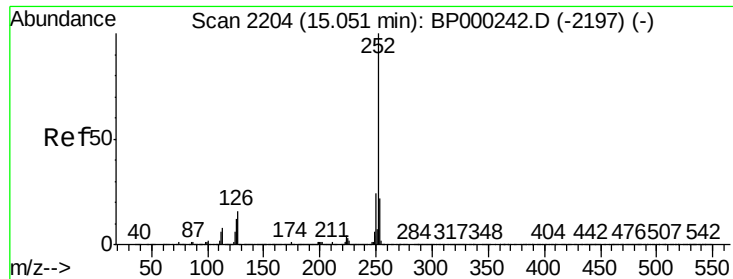
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.01 min
 Lab File: BP000467.D
 Acq: 27 Sep 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	393781		
260	24.2	18.9	28.3	
265	22.3	17.2	25.8	





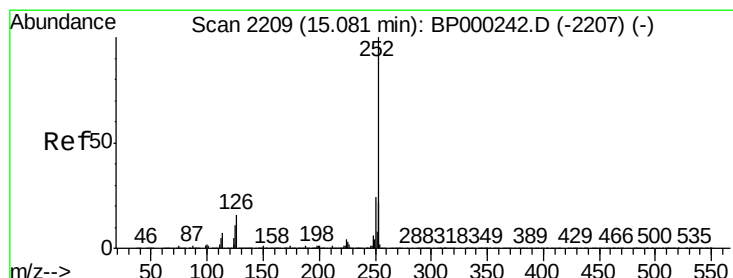
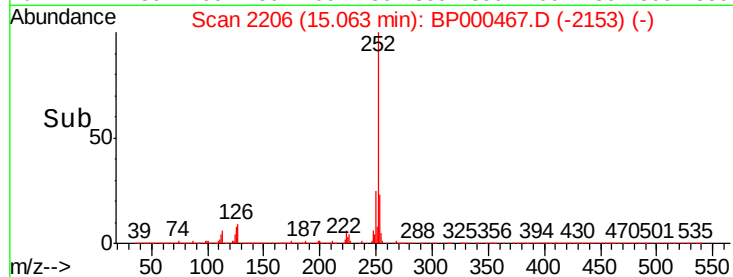
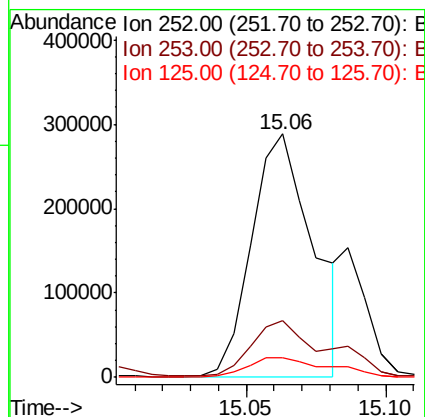
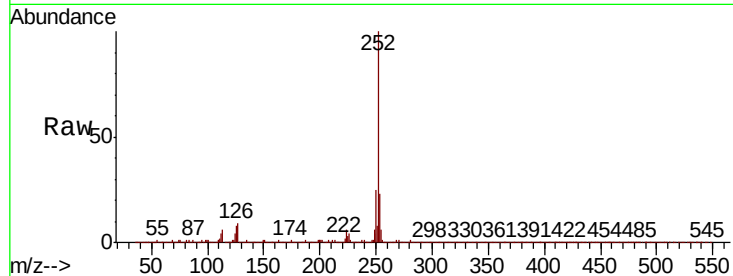
#88
Benzo(b)fluoranthene
Concen: 18.885 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Instrument :
BNA_P
ClientSampleId :
DN-3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	8.1	9.5	14.3#

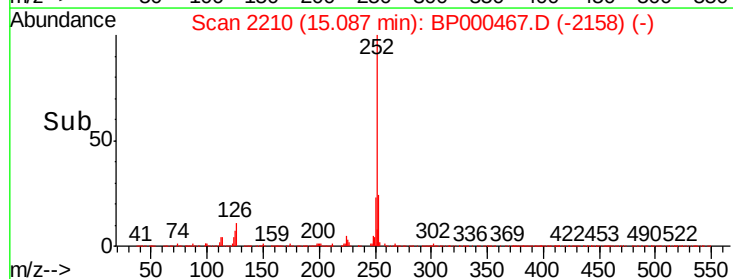
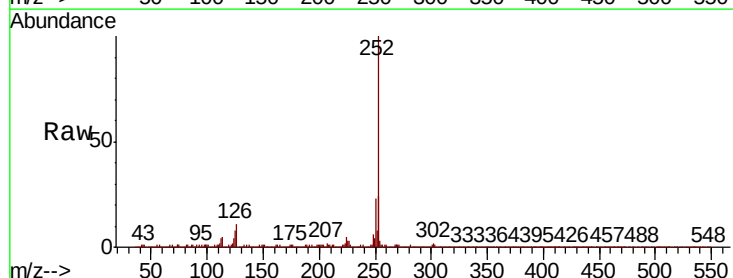
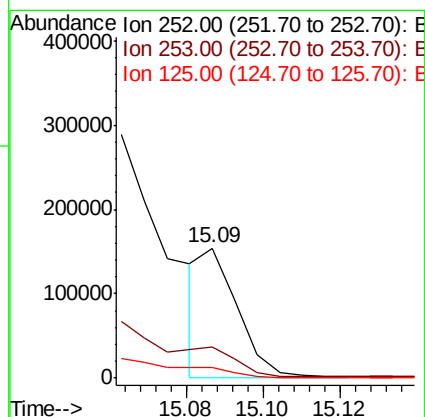
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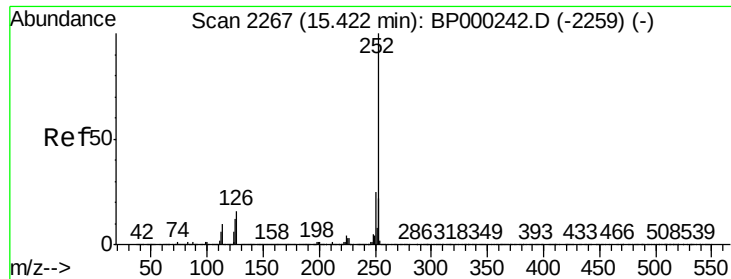
mohammad
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#89
Benzo(k)fluoranthene
Concen: 5.028 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	7.8	9.6	14.4#





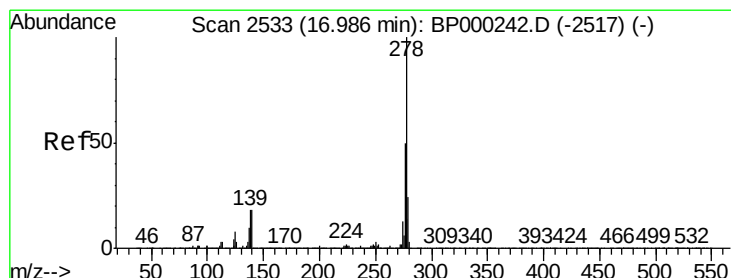
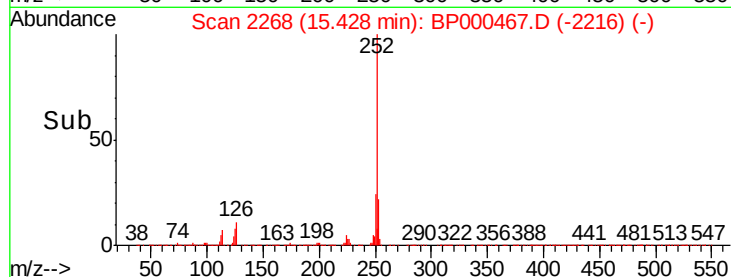
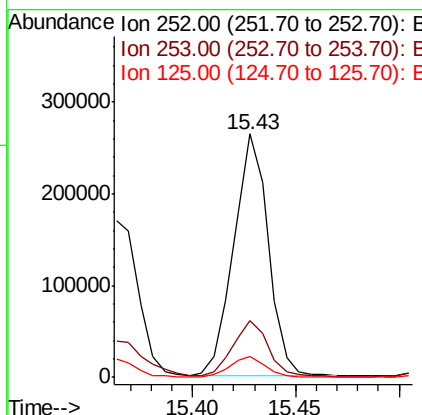
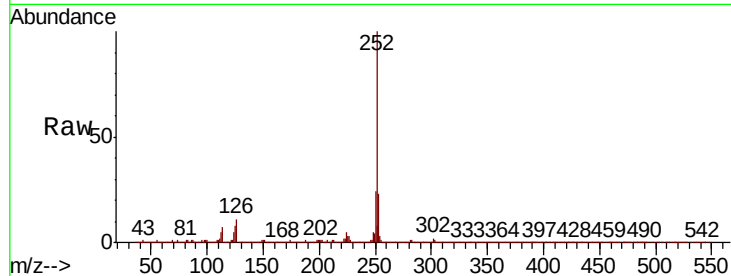
#90
Benzo(a)pyrene
Concen: 14.427 ng m
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Instrument :
BNA_P
Client Sampled :
DN-3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	8.3	10.0	15.0

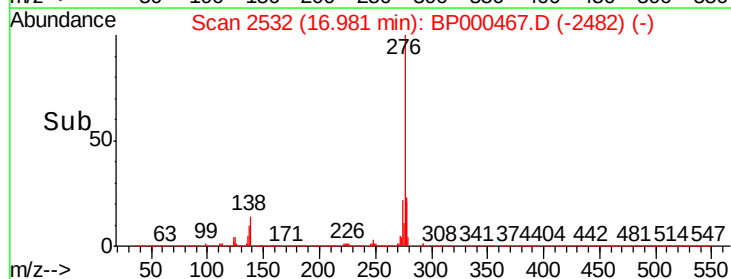
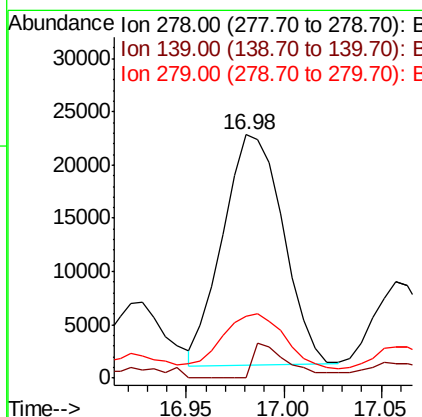
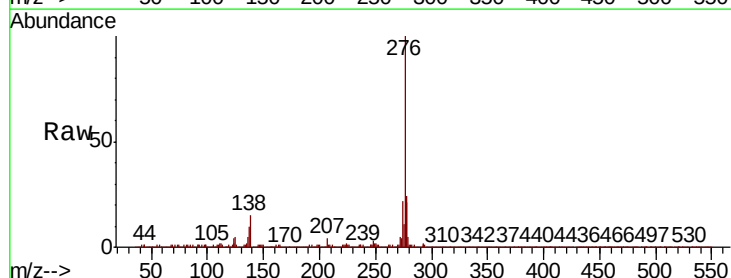
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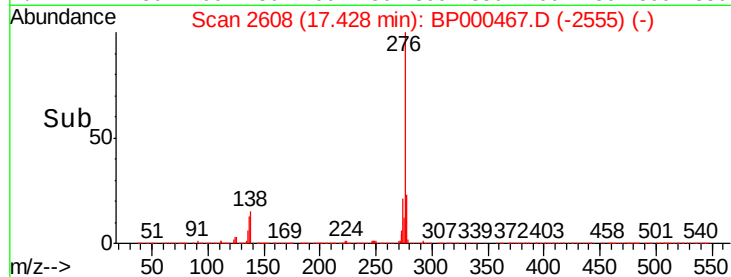
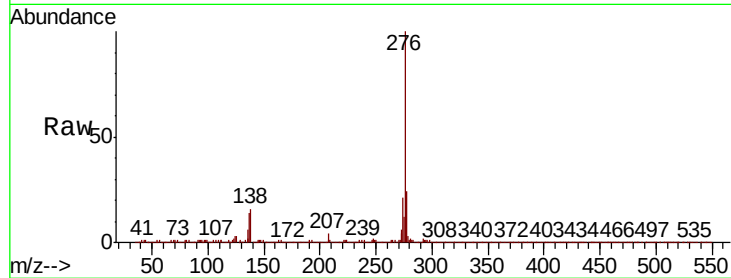
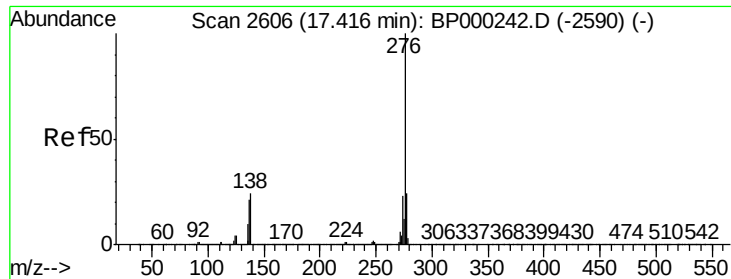
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.320 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BP000467.D
Acq: 27 Sep 2019 19:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.5	21.7
279	25.6	19.0	28.6





#92

Benzo(a,h,i)perylene

Concen: 10.343 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.01 min

Lab File: BP000467.D

Acq: 27 Sep 2019 19:08

Instrument :

BNA_P

ClientSampleId :

DN-3DL

Tot Ion:	276	Resp:	211875
Ion Ratio	Lower	Upper	
276	100		
277	23.6	19.1	28.7
138	15.7	19.5	29.3

Manual Integrations
APPROVED

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