

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
 Data File : BP000277.D
 Acq On : 17 Sep 2019 17:01
 Operator : HP/JU
 Sample : K4918-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-9

Manual Integrations
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mohammad
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Quant Time: Sep 18 09:26:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	284853	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	939462	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	393510	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	319505	20.00	ng	0.04
76) Chrysene-d12	14.07	240	325256	20.00	ng	0.07
87) Perylene-d12	15.54	264	552651	20.00	ng	0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1137567	68.94	ng	0.01
7) Phenol-d6	6.43	99	1640658	81.12	ng	0.00
23) Nitrobenzene-d5	7.35	82	633458	43.50	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	301596	77.27	ng	0.02
45) 2-Fluorobiphenyl	9.15	172	1648022	75.38	ng	0.00
79) Terphenyl-d14	13.00	244	660835	42.62	ng	0.07

Target Compounds				Qvalue		
31) Naphthalene	8.10	128	123160	2.831	ng	99
49) Acenaphthylene	9.70	152	336966	9.817	ng	# 92
50) Dimethylphthalate	9.55	163	262338	9.785	ng	# 84
52) Acenaphthene	9.87	154	64779	2.990	ng	# 92
55) Dibenzofuran	10.05	168	83166	2.716	ng	# 81
58) Fluorene	10.40	166	80135	3.388	ng	# 73
71) Phenanthrene	11.39	178	315776	19.722	ng	# 71
72) Anthracene	11.45	178	224019	13.593	ng	# 63
73) Carbazole	11.59	167	51072	3.441	ng	# 8
75) Fluoranthene	12.63	202	410740	23.890	ng	# 63
78) Pyrene	12.87	202	351156	14.430	ng	# 71
81) Benzo(a)anthracene	14.06	228	241742	11.766	ng	# 69
83) Chrysene	14.09	228	225883	11.197	ng	# 72
86) Indeno(1,2,3-cd)pyrene	17.02	276	296867m	12.073	ng	
88) Benzo(b)fluoranthene	15.11	252	445697m	13.519	ng	
89) Benzo(k)fluoranthene	15.12	252	161942m	5.631	ng	
90) Benzo(a)pyrene	15.47	252	262590	8.753	ng	# 80
91) Dibenzo(a,h)anthracene	17.02	278	63341	2.265	ng	# 63
92) Benzo(a,h,i)perylene	17.46	276	274289	9.541	ng	97

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

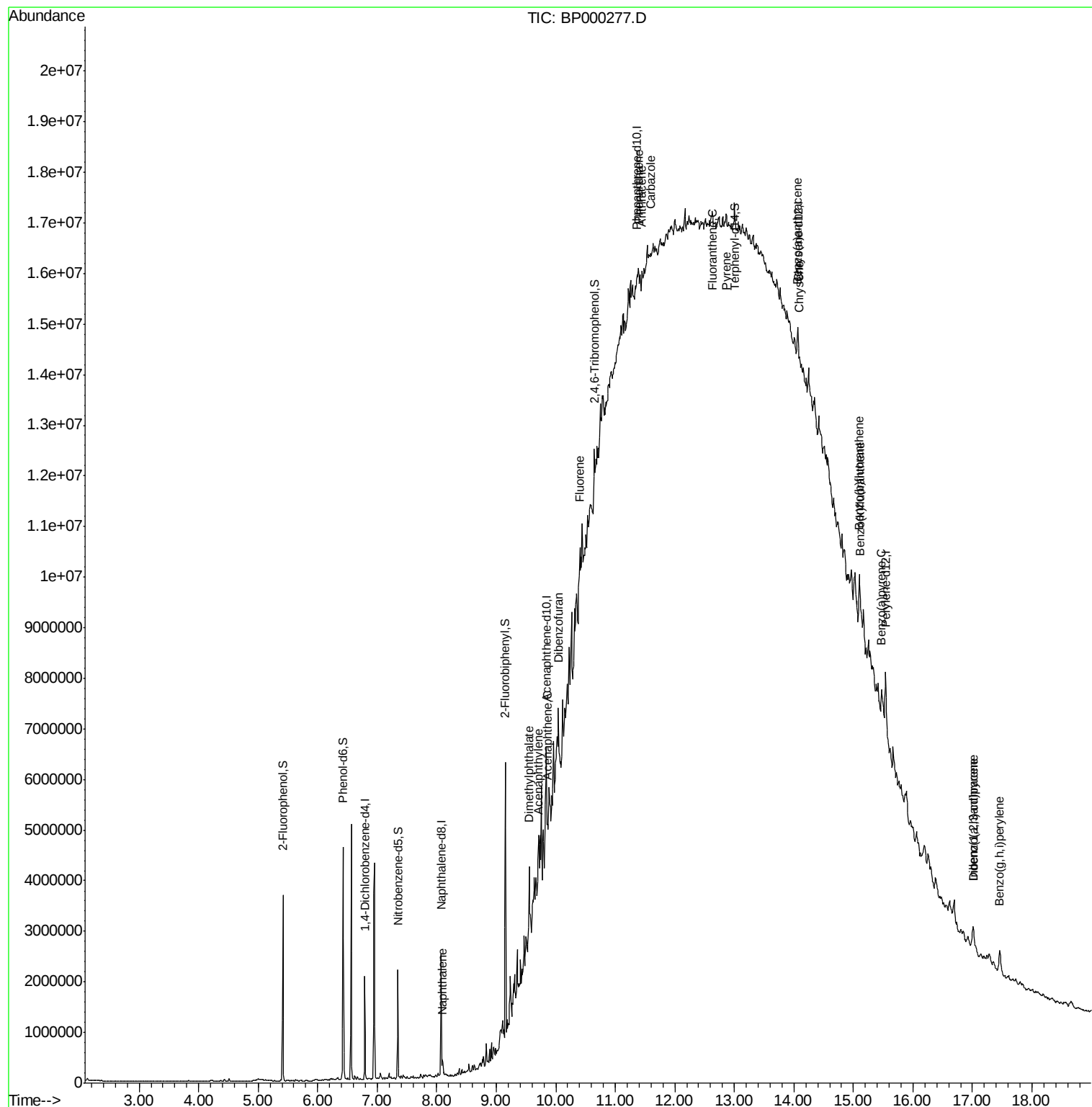
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
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ALS Vial : 17 Sample Multiplier: 1

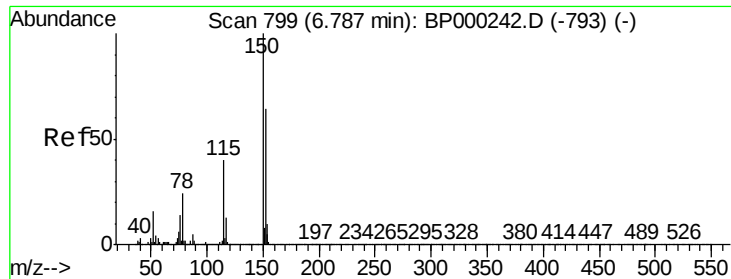
Instrument :
BNA_P
ClientSampled :
SB-9

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

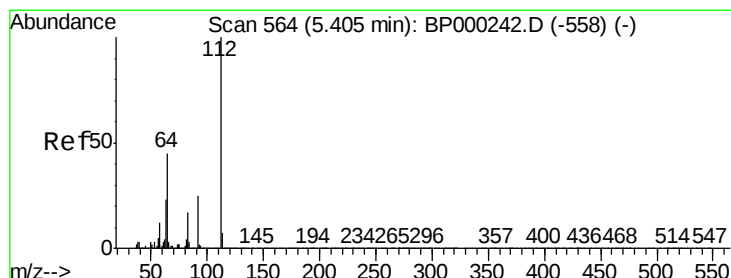
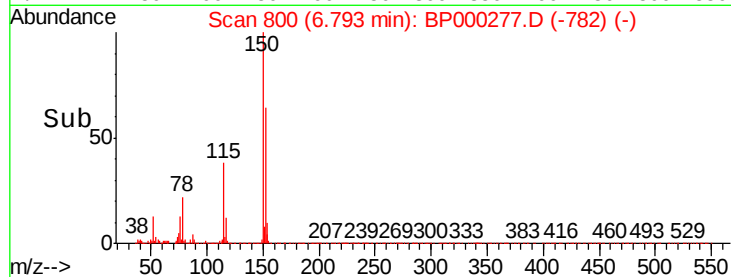
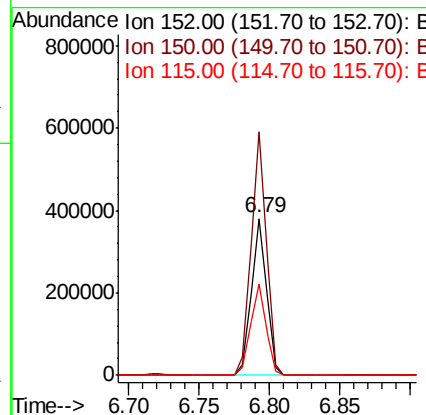
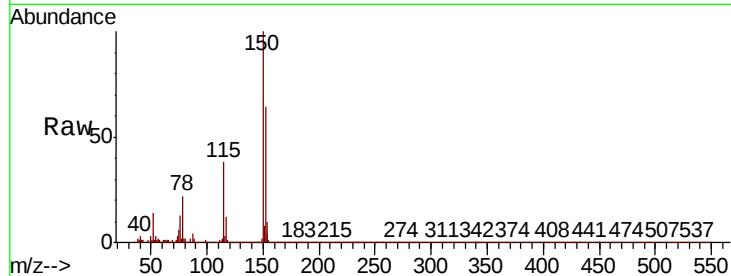
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Instrument :
BNA_P
ClientSampleId :
SB-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.2	187.8
115	58.4	49.7	74.5

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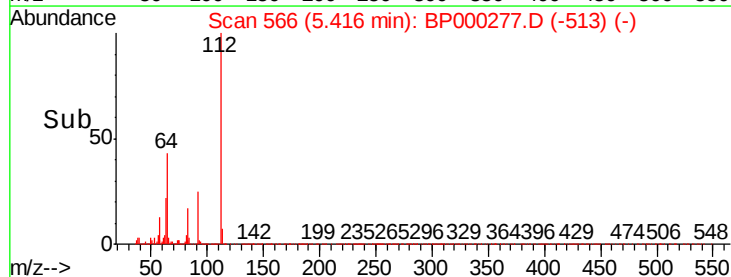
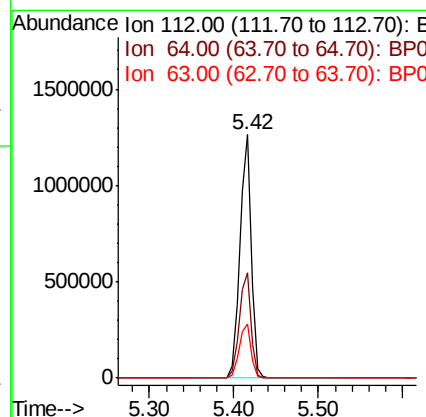
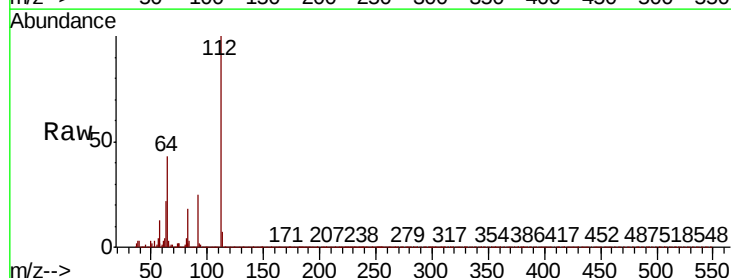
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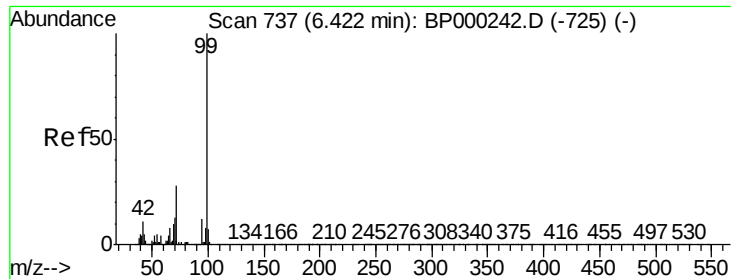


#5

2-Fluorophenol
Concen: 68.942 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.3	36.2	54.4
63	22.5	18.3	27.5





#7

Phenol-d6

Concen: 81.117 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000277.D

Acq: 17 Sep 2019 17:01

Instrument :

BNA_P

ClientSampled :

SB-9

Tot Ion: 99 Resp: 1640658

Ion Ratio Lower Upper

99 100

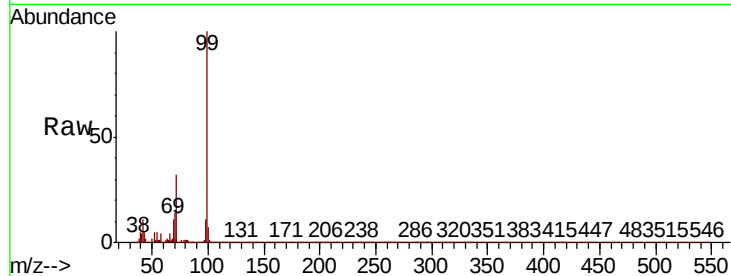
42 11.5 8.5 12.7

71 31.6 22.6 34.0

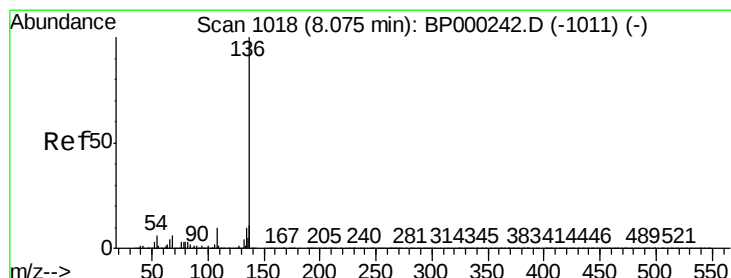
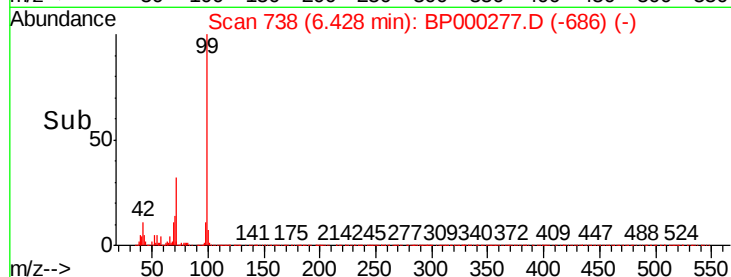
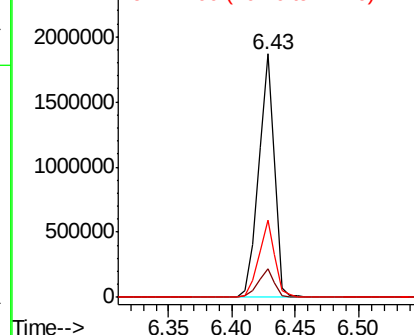
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Abundance Ion 99.00 (98.70 to 99.70): BP0
Ion 42.00 (41.70 to 42.70): BP0
Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BP000277.D

Acq: 17 Sep 2019 17:01

Tgt Ion: 136 Resp: 939462

Ion Ratio Lower Upper

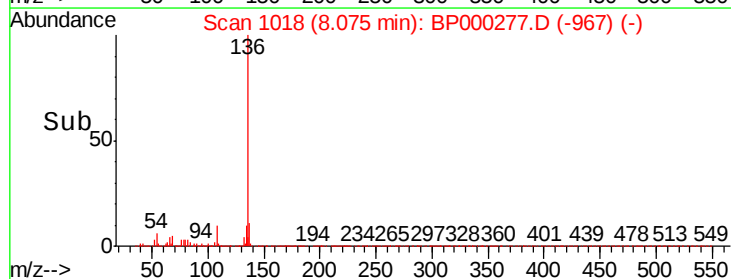
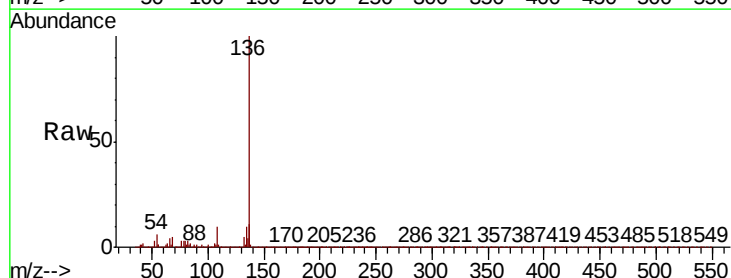
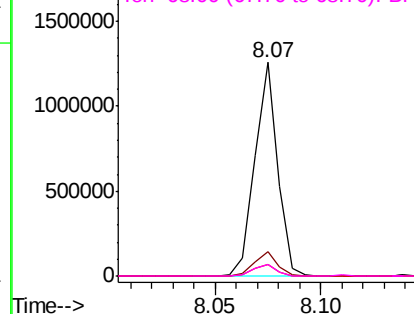
136 100

137 11.1 8.6 13.0

54 5.6 4.5 6.7

68 5.3 4.5 6.7

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0





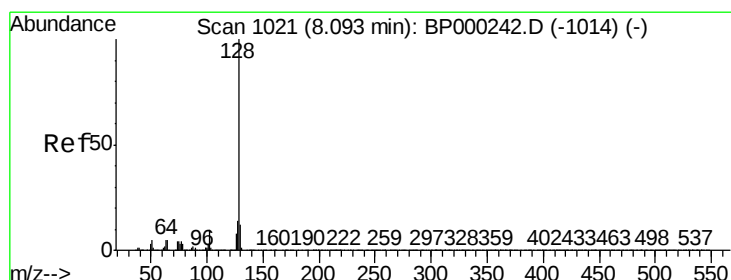
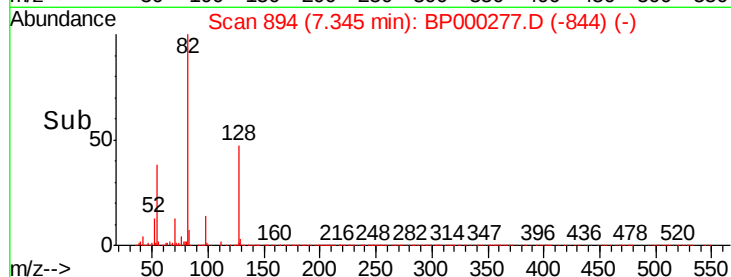
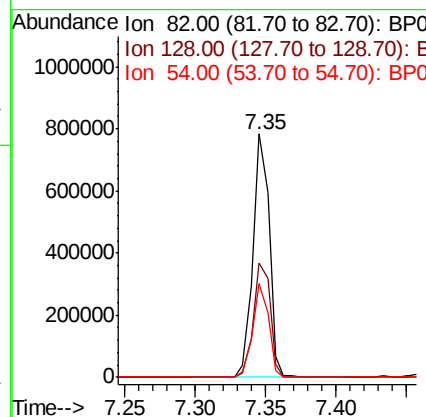
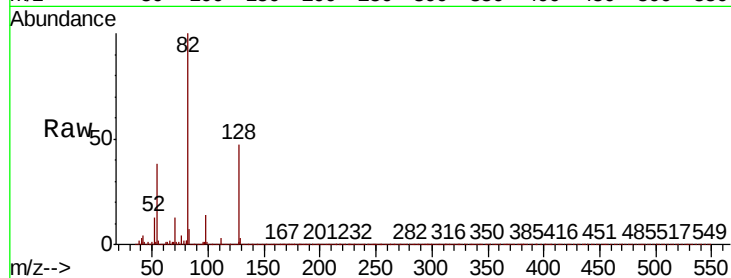
#23
Nitrobenzene-d5
Concen: 43.504 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Instrument :
BNA_P
ClientSampled :
SB-9

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	40.7	61.1
54	38.5	30.1	45.1

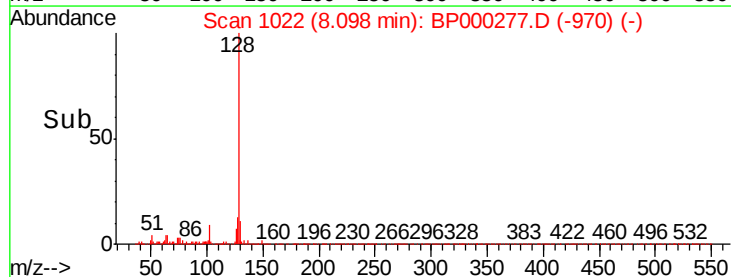
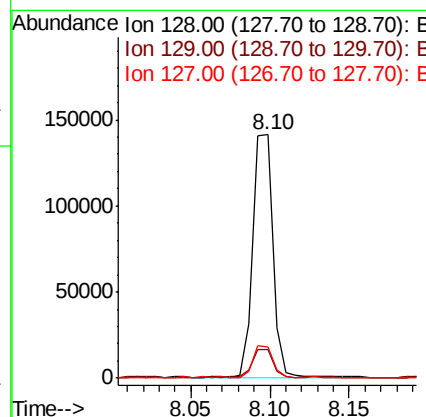
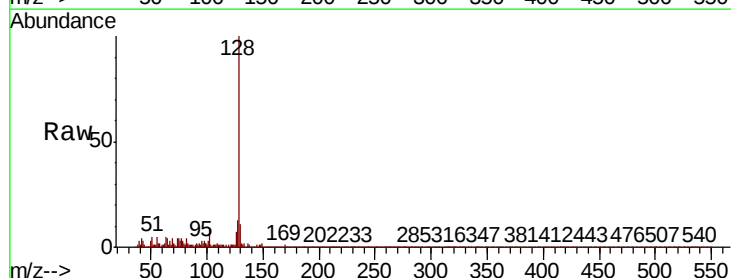
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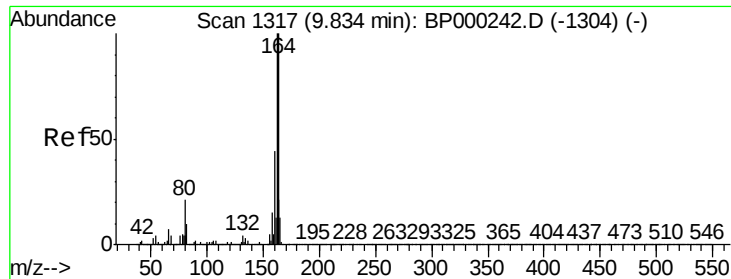
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#31
Naphthalene
Concen: 2.831 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	12.8	11.0	16.6





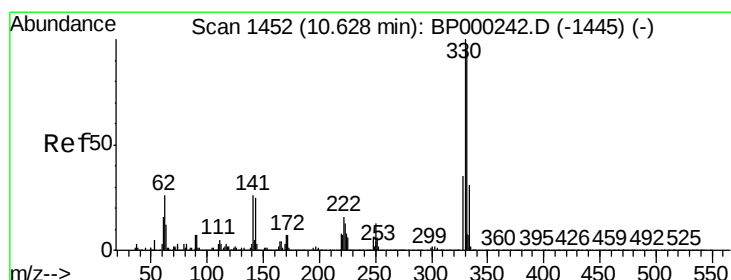
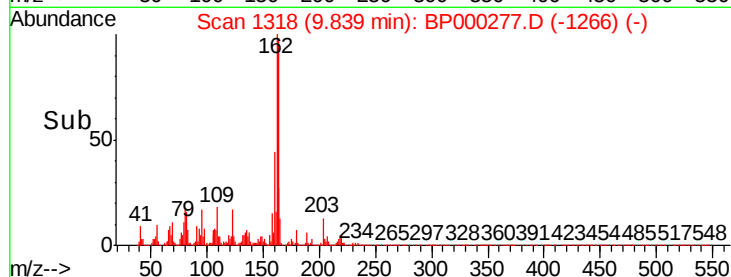
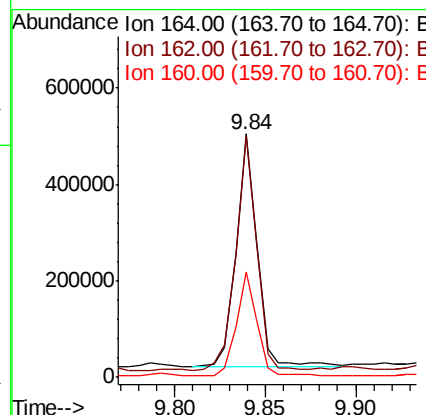
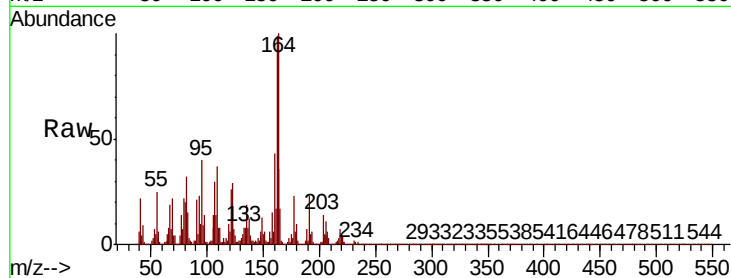
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Instrument :
BNA_P
ClientSampleId :
SB-9

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.9	119.9
160	43.4	35.6	53.4

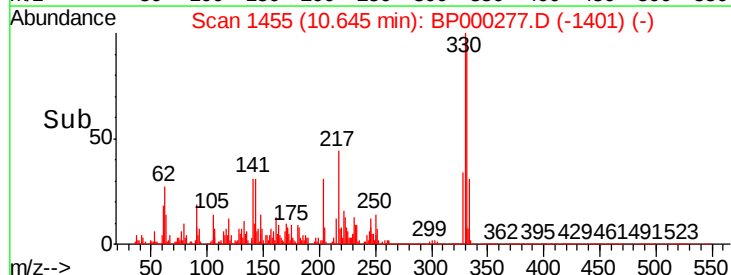
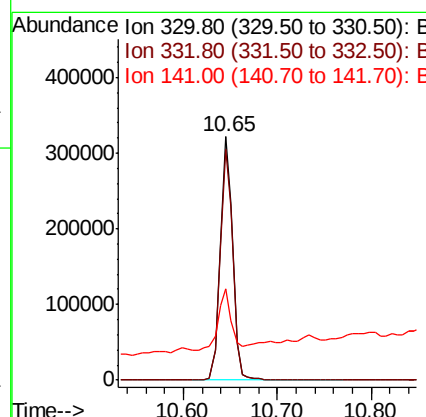
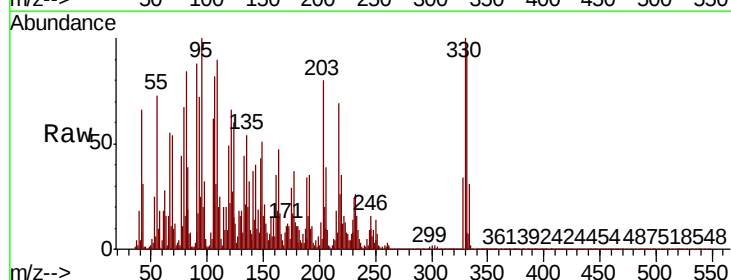
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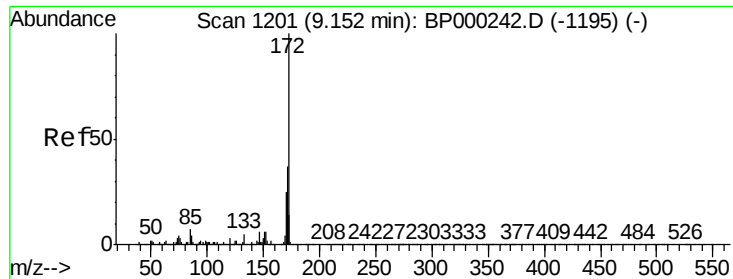
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#42
2,4,6-Tribromophenol
Concen: 77.271 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.02 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	25.7	26.5	39.7





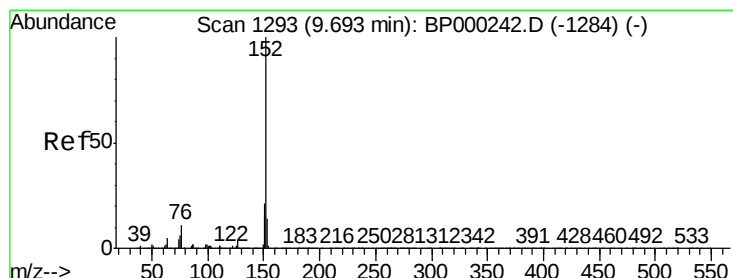
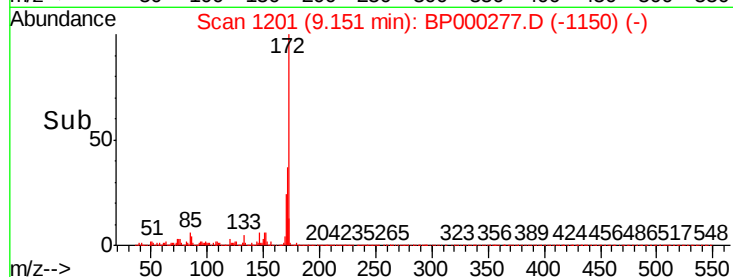
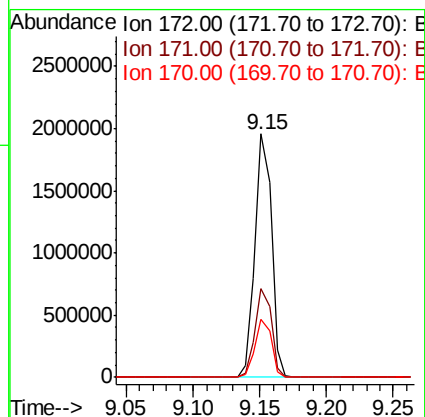
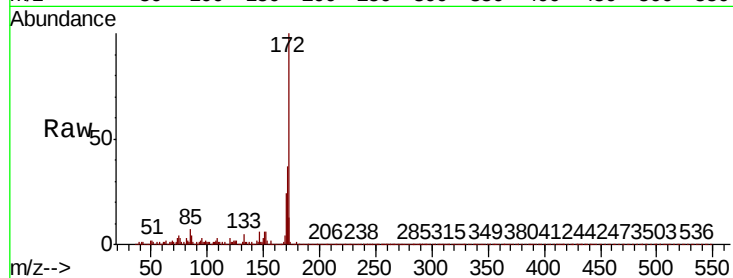
#45
2-Fluorobiphenyl
Concen: 75.376 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Instrument :
BNA_P
ClientSampled :
SB-9

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.8	44.6
170	23.9	19.8	29.6

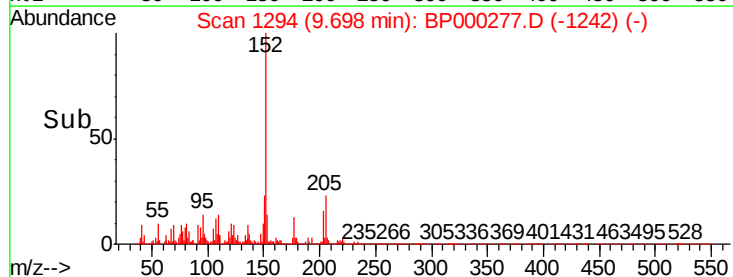
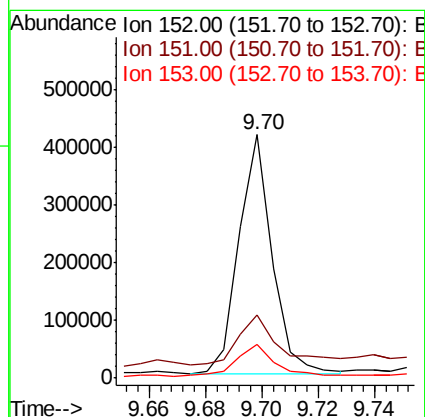
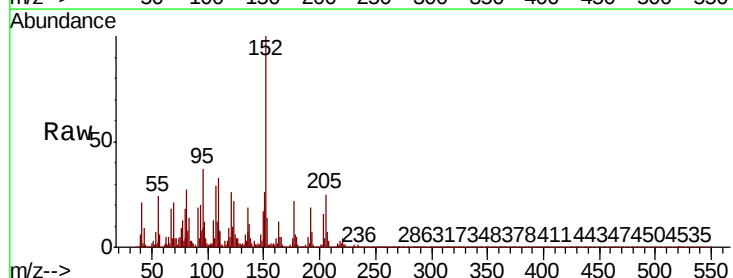
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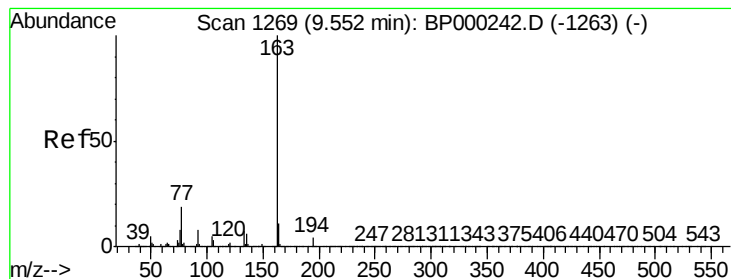
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#49
Acenaphthylene
Concen: 9.817 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.2	16.4	24.6#
153	14.1	11.0	16.4





#50

Dimethylphthalate

Concen: 9.785 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BP000277.D

Acq: 17 Sep 2019 17:01

Instrument :

BNA_P

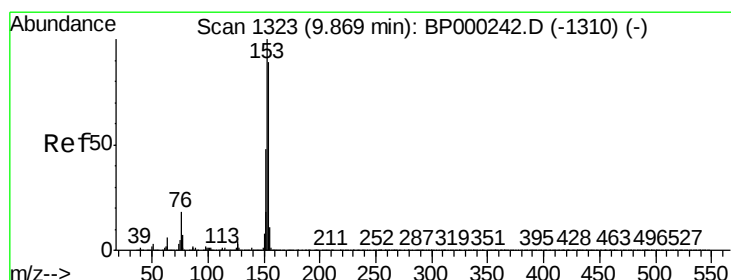
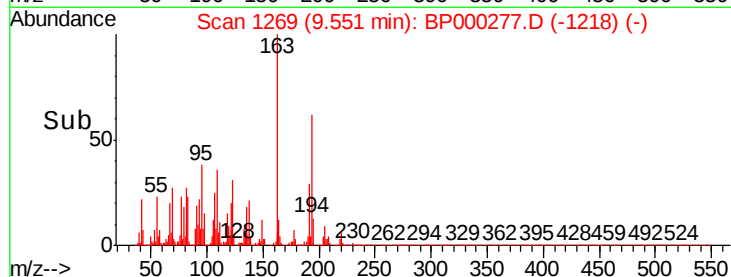
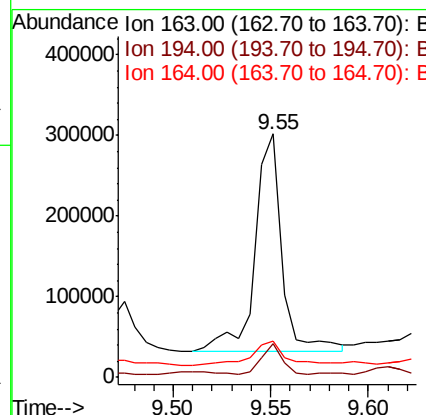
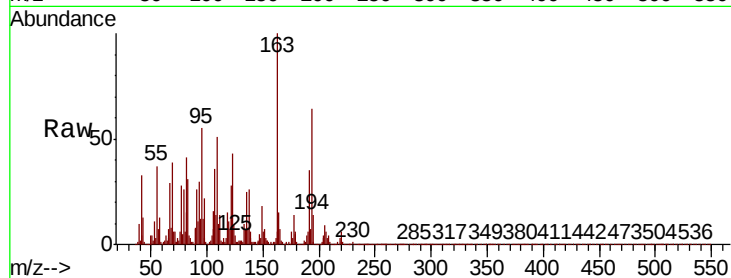
ClientSampleId :

SB-9

Tot Ion:	163	Resp:	262338
Ion Ratio	Lower	Upper	
163	100		
194	13.6	3.4	5.0#
164	14.9	8.5	12.7#

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#52

Acenaphthene

Concen: 2.990 ng

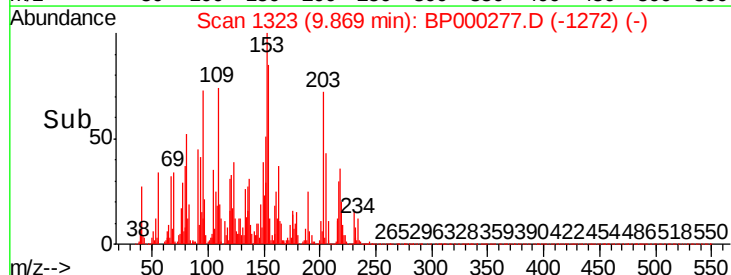
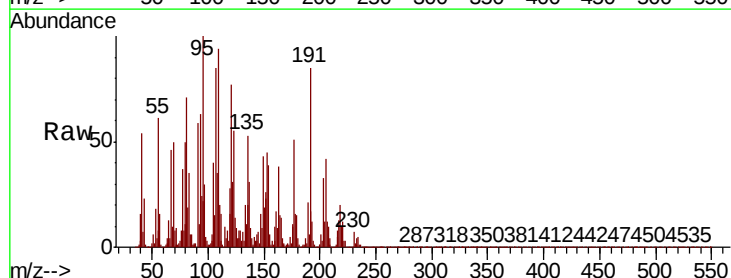
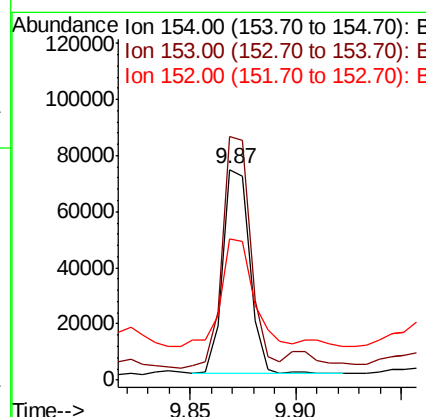
RT: 9.87 min Scan# 1323

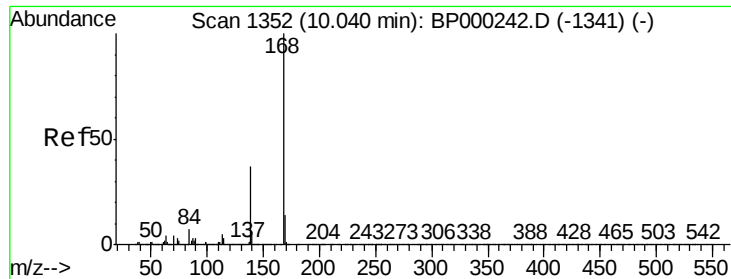
Delta R.T. -0.00 min

Lab File: BP000277.D

Acq: 17 Sep 2019 17:01

Tgt Ion:	154	Resp:	64779
Ion Ratio	Lower	Upper	
154	100		
153	115.6	89.8	134.6
152	67.0	43.4	65.0#





#55

Dibenzofuran

Concen: 2.716 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.01 min

Lab File: BP000277.D

Acq: 17 Sep 2019 17:01

Instrument :

BNA_P

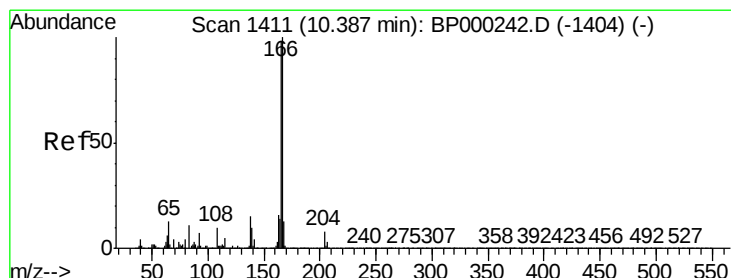
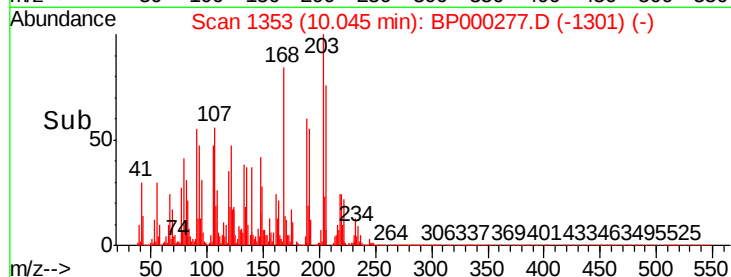
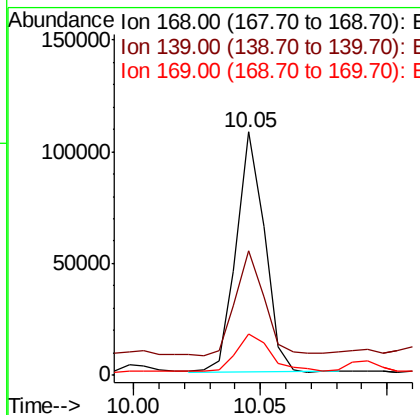
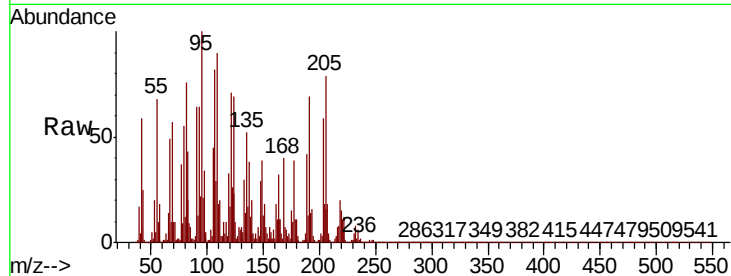
ClientSampled :

SB-9

Tot Ion:	168	Resp:	83166
Ion Ratio	Lower	Upper	
168	100		
139	51.2	30.0	45.0#
169	17.0	11.0	16.6#

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#58

Fluorene

Concen: 3.388 ng

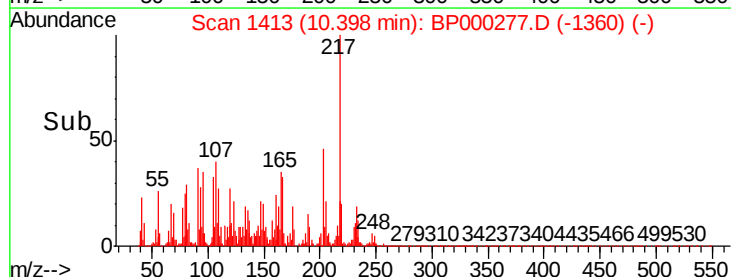
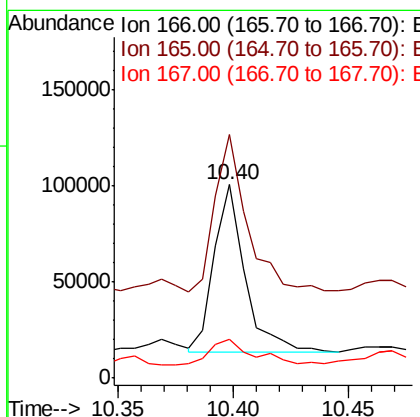
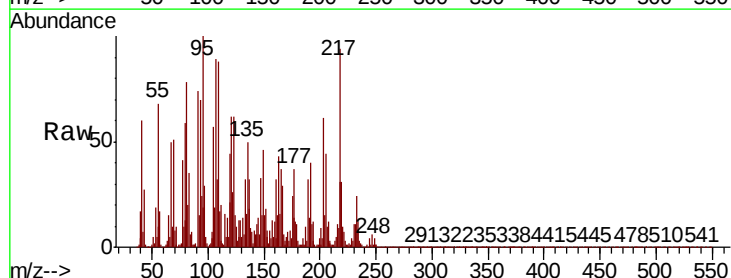
RT: 10.40 min Scan# 1413

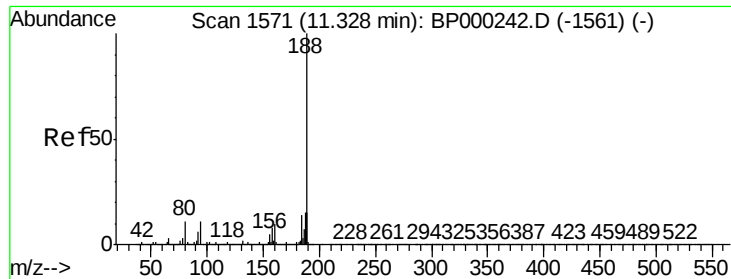
Delta R.T. 0.01 min

Lab File: BP000277.D

Acq: 17 Sep 2019 17:01

Tgt Ion:	166	Resp:	80135
Ion Ratio	Lower	Upper	
166	100		
165	125.8	78.2	117.2#
167	20.2	10.7	16.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.04 min

Lab File: BP000277.D

Acq: 17 Sep 2019 17:01

Instrument :

BNA_P

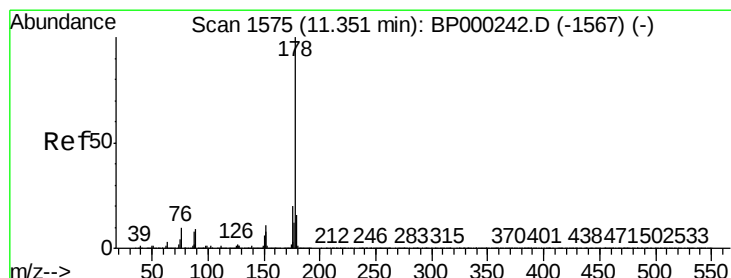
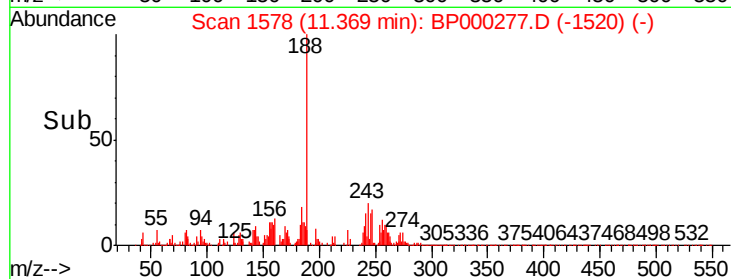
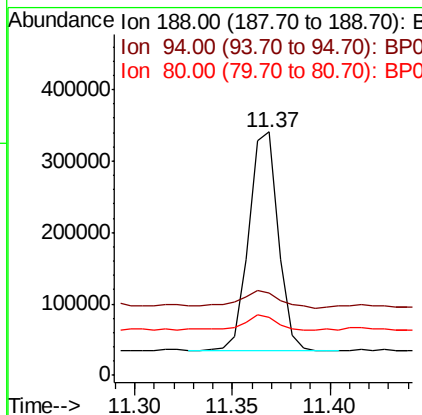
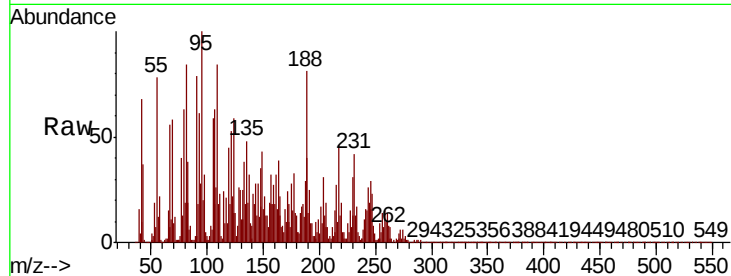
ClientSampleId :

SB-9

Tot Ion:	188	Resp:	319505
Ion Ratio	Lower	Upper	
188	100		
94	33.9	8.5	12.7#
80	23.7	8.6	13.0#

Manual Integrations
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mohammad
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#71

Phenanthrene

Concen: 19.722 ng

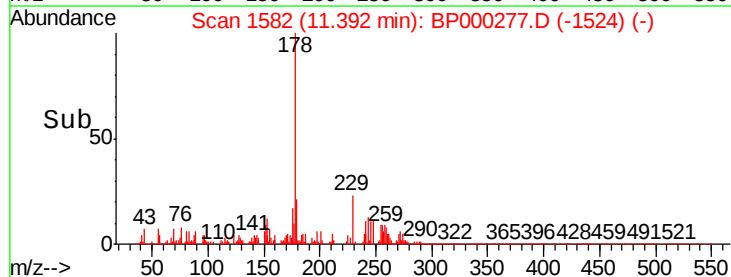
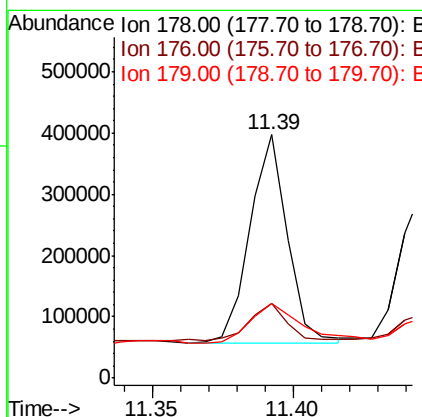
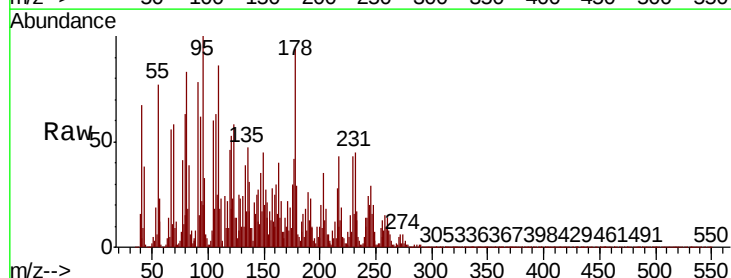
RT: 11.39 min Scan# 1582

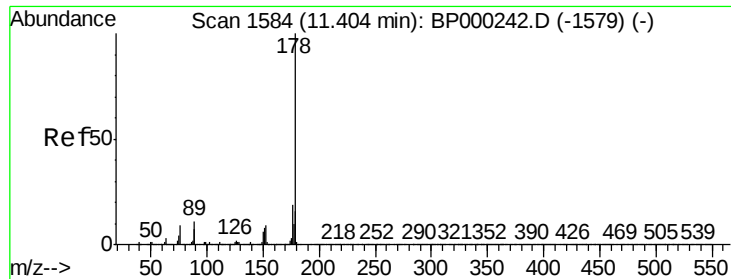
Delta R.T. 0.04 min

Lab File: BP000277.D

Acq: 17 Sep 2019 17:01

Tgt Ion:	178	Resp:	315776
Ion Ratio	Lower	Upper	
178	100		
176	30.9	15.8	23.8#
179	30.7	12.7	19.1#





#72

Anthracene

Concen: 13.593 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.04 min

Lab File: BP000277.D

Acq: 17 Sep 2019 17:01

Instrument :

BNA_P

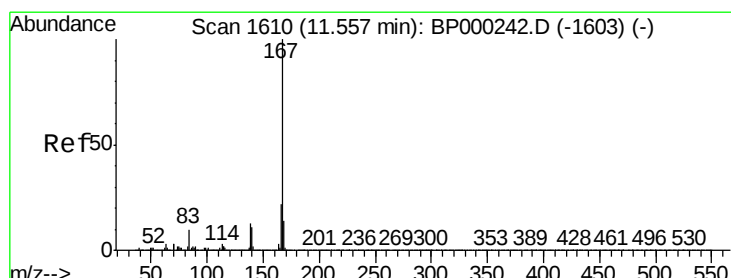
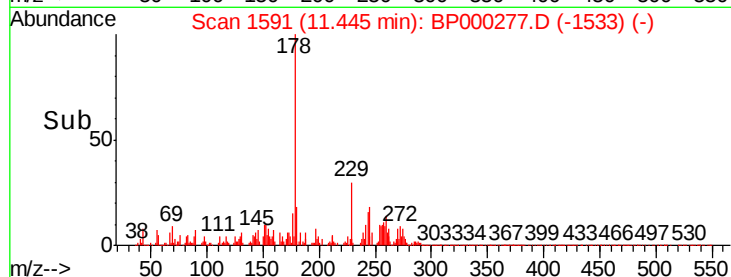
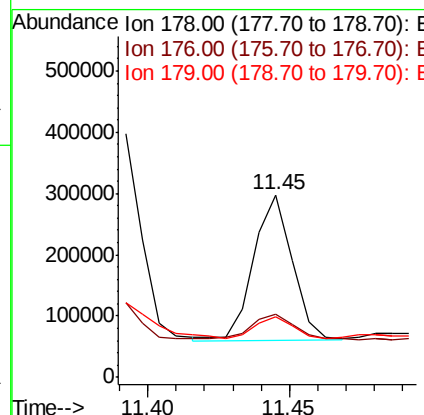
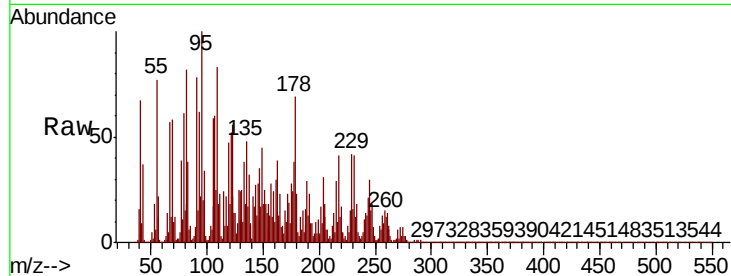
Client Sampled :

SB-9

Tot Ion:	178	Resp:	224019
Ion Ratio	Lower	Upper	
178	100		
176	34.5	15.4	23.0#
179	33.1	12.7	19.1#

Manual Integrations
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mohammad
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#73

Carbazole

Concen: 3.441 ng

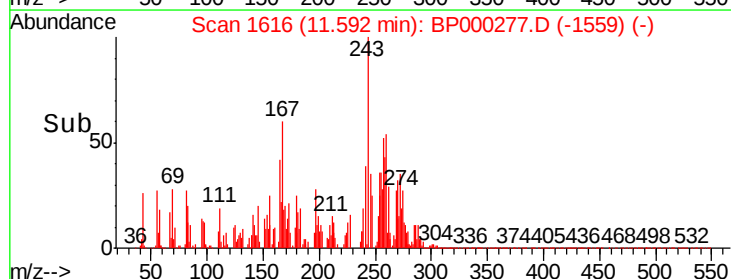
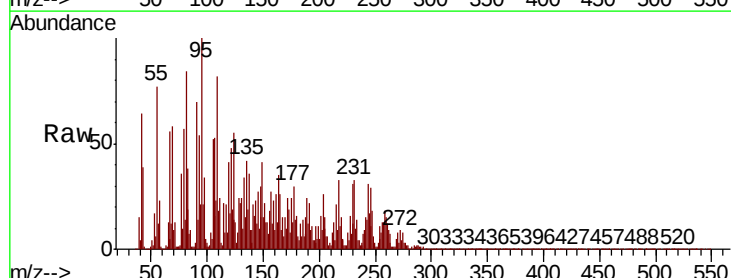
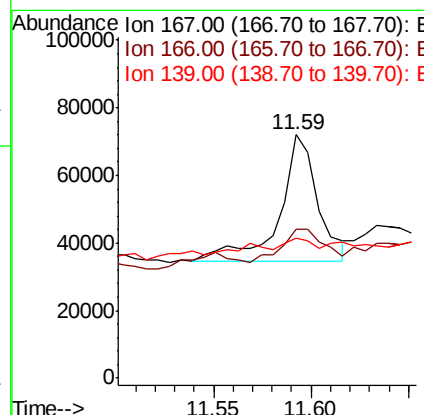
RT: 11.59 min Scan# 1616

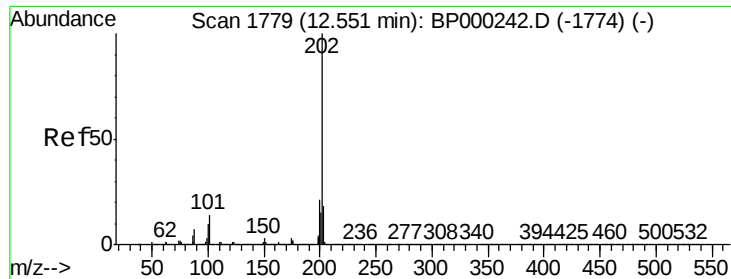
Delta R.T. 0.03 min

Lab File: BP000277.D

Acq: 17 Sep 2019 17:01

Tgt Ion:	167	Resp:	51072
Ion Ratio	Lower	Upper	
167	100		
166	61.2	17.8	26.8#
139	57.4	10.8	16.2#





#75

Fluoranthene

Concen: 23.890 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.08 min

Lab File: BP000277.D

Acq: 17 Sep 2019 17:01

Instrument :

BNA_P

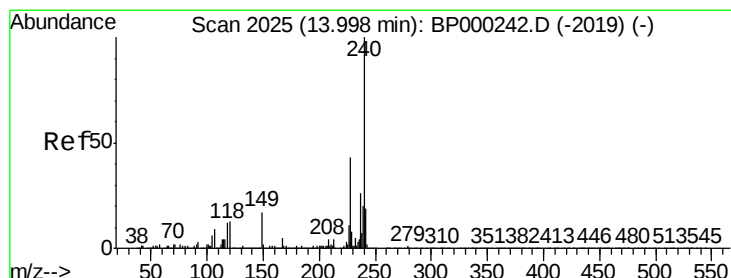
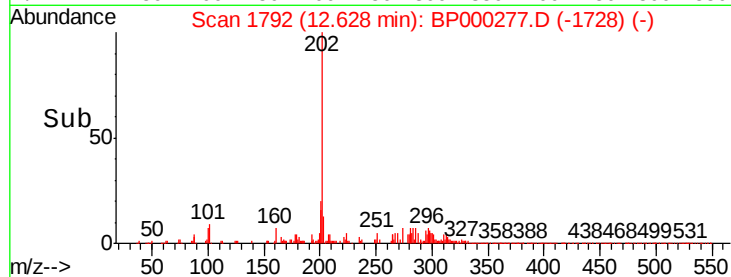
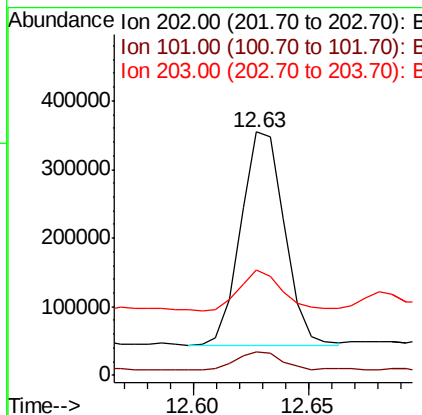
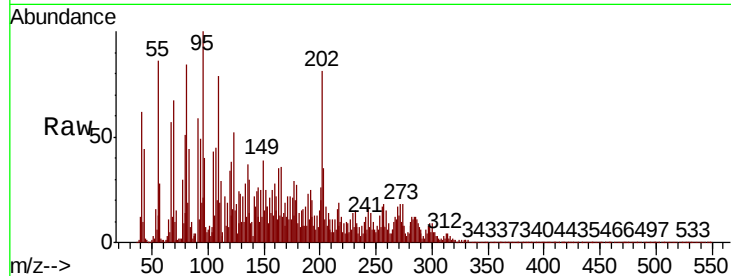
ClientSampleId :

SB-9

Tot Ion:	202	Resp:	410740
Ion Ratio		Lower	Upper
202	100		
101	9.4	0.0	33.9
203	43.2	0.0	38.0#

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

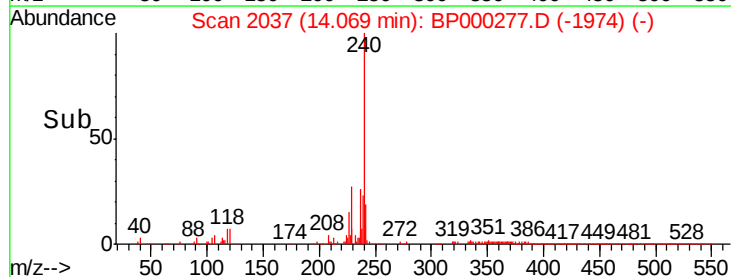
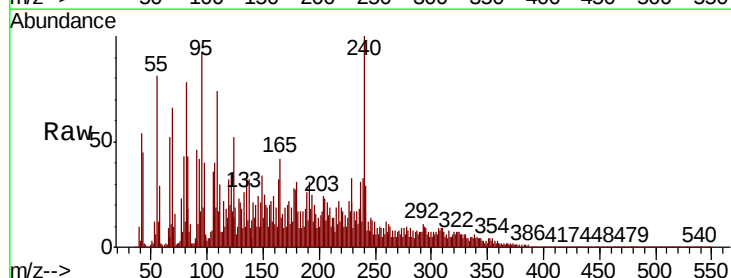
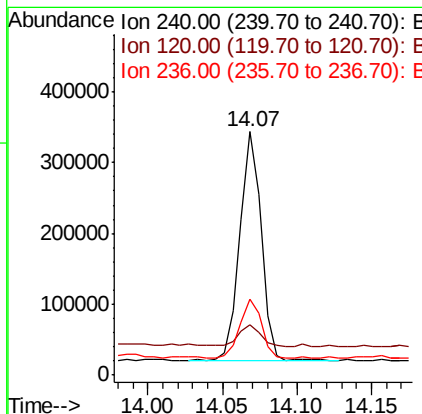
RT: 14.07 min Scan# 2037

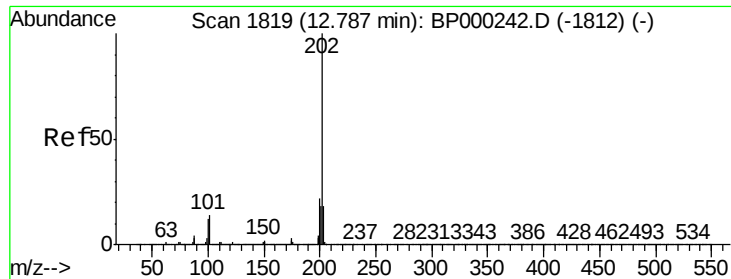
Delta R.T. 0.07 min

Lab File: BP000277.D

Acq: 17 Sep 2019 17:01

Tgt Ion:	240	Resp:	325256
Ion Ratio		Lower	Upper
240	100		
120	20.4	10.4	15.6#
236	31.3	21.0	31.6





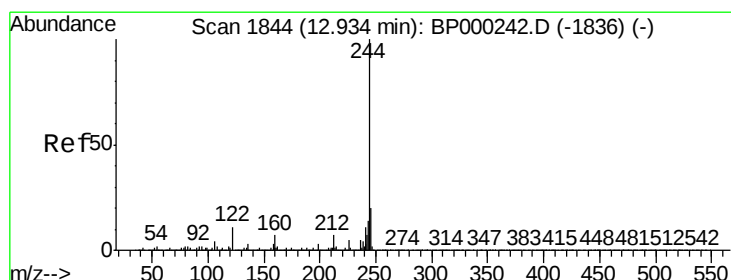
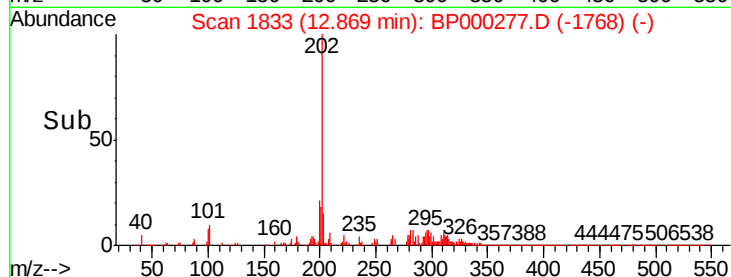
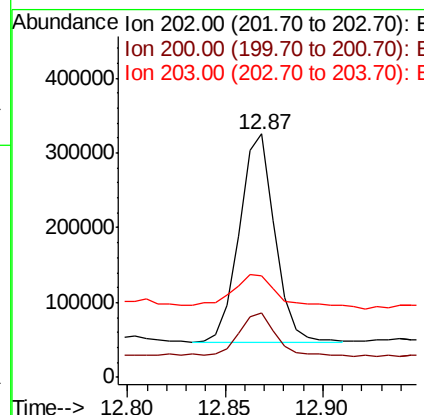
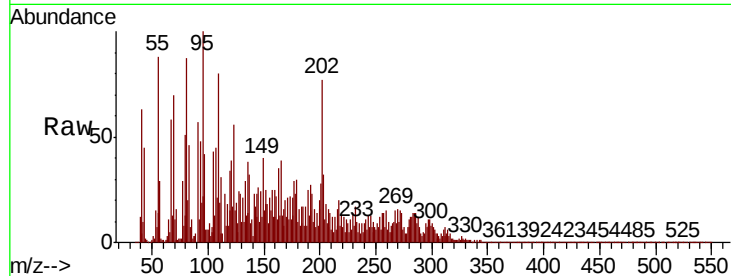
#78
Pvrene
Concen: 14.430 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.08 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Instrument :
BNA_P
ClientSampleId :
SB-9

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	26.3	17.5	26.3#
203	41.7	14.3	21.5#

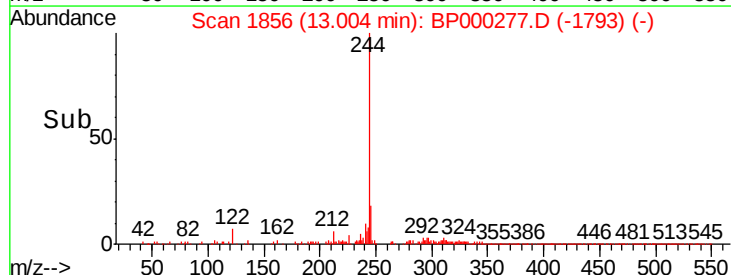
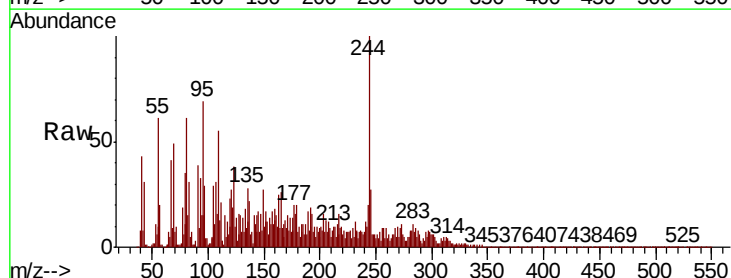
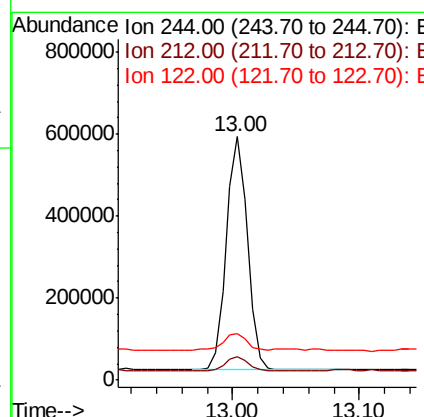
Manual Integrations
APPROVED

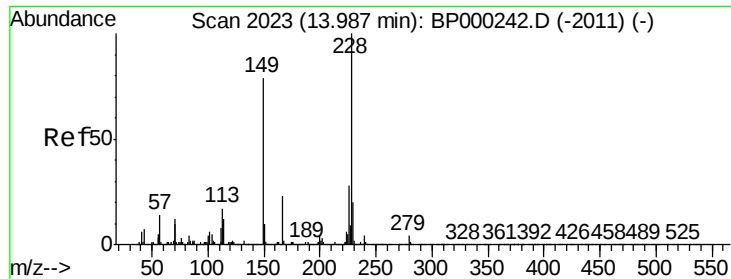
mohammad
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#79
Terphenyl-d14
Concen: 42.623 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.07 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	9.8	5.9	8.9#
122	19.0	9.0	13.4#





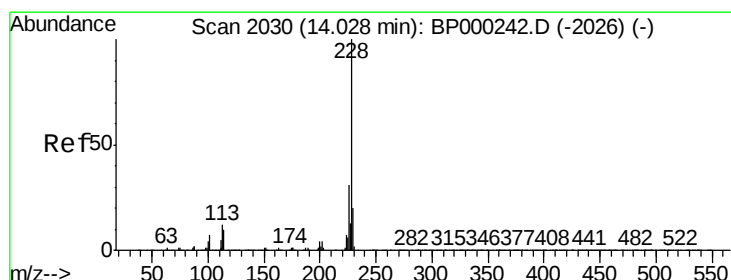
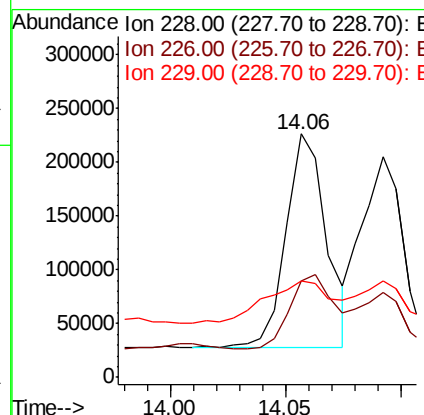
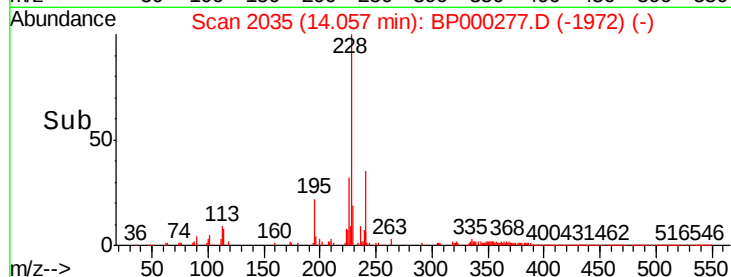
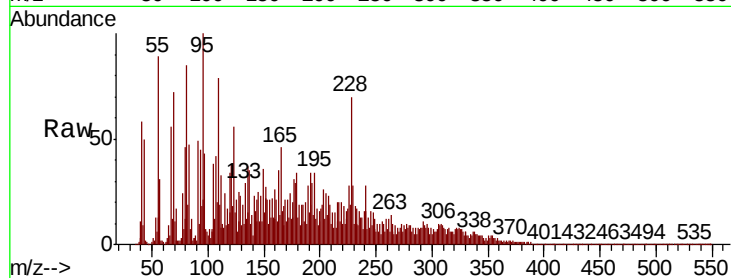
#81
Benzo(a)anthracene
Concen: 11.766 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.07 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Instrument :
BNA_P
ClientSampled :
SB-9

Tot Ion	Ratio	Lower	Upper
228	100		
226	39.5	22.2	33.4#
229	39.6	16.0	24.0#

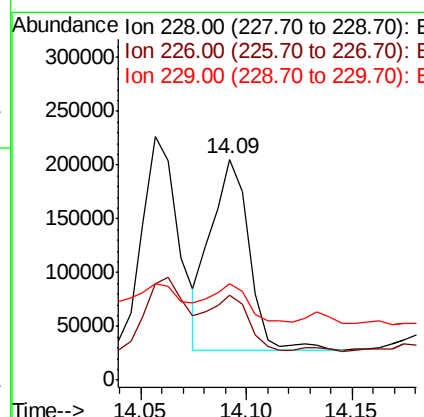
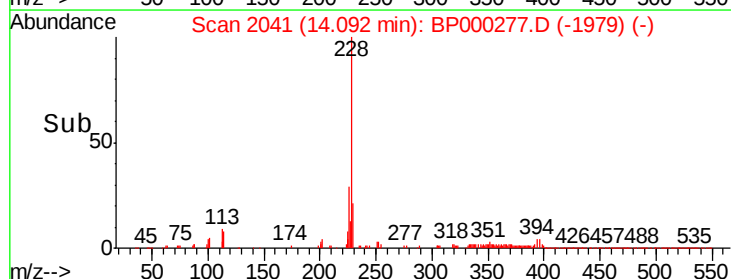
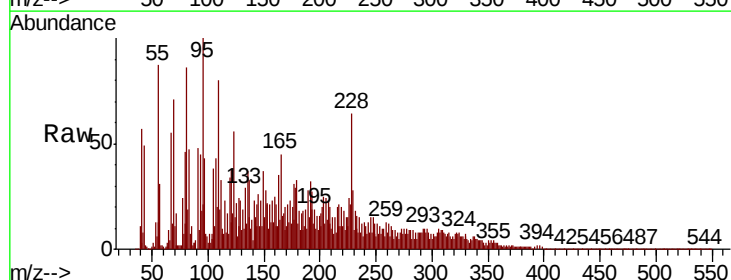
Manual Integrations
APPROVED

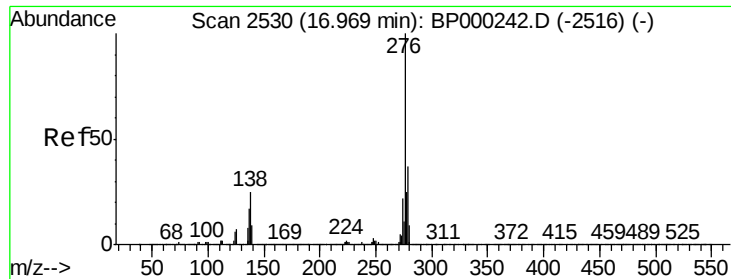
mohammad
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#83
Chrysene
Concen: 11.197 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.06 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.2	24.9	37.3#
229	43.6	16.2	24.2#





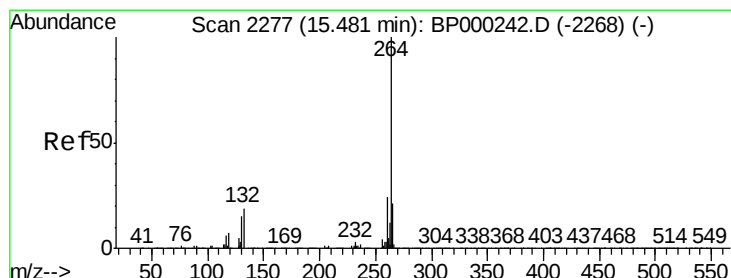
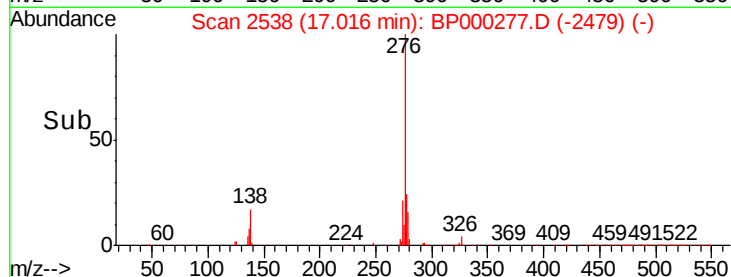
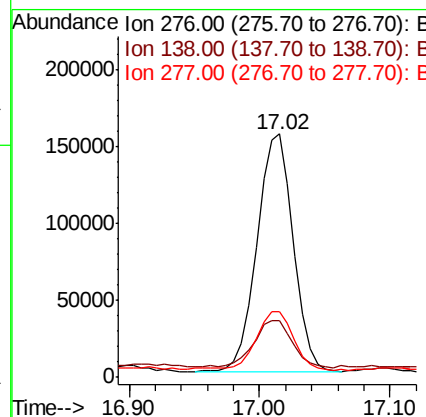
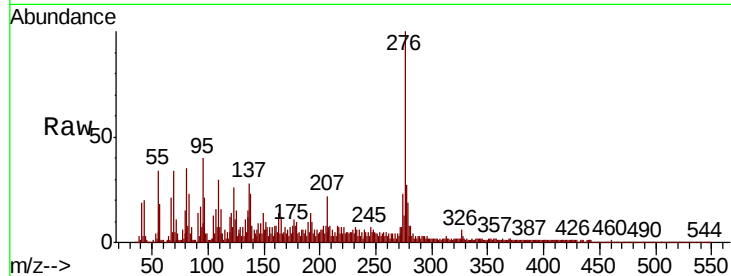
#86
Indeno(1,2,3-cd)pyrene
Concen: 12.073 ng/ml
RT: 17.02 min Scan# 2538
Delta R.T. 0.05 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Instrument :
BNA_P
ClientSampleId :
SB-9

Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	22.6	33.8#
277	0.0	20.4	30.6#

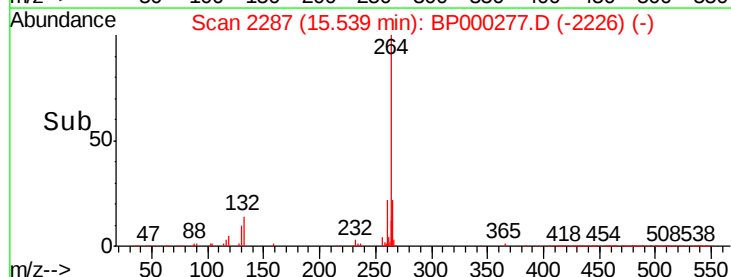
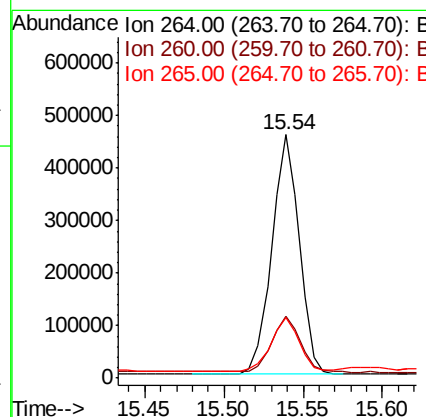
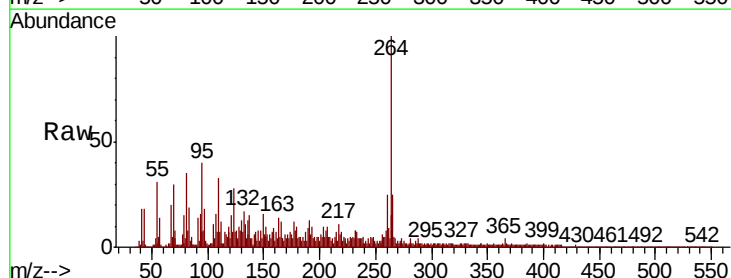
Manual Integrations
APPROVED

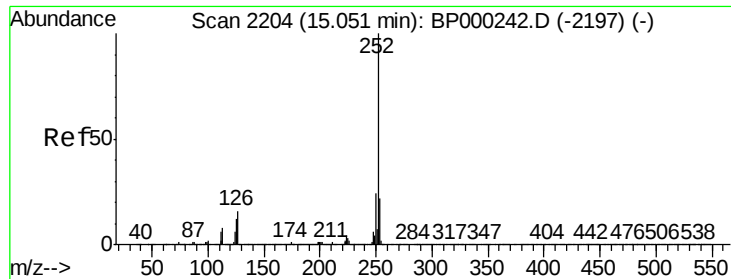
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.06 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	18.9	28.3
265	24.7	17.2	25.8





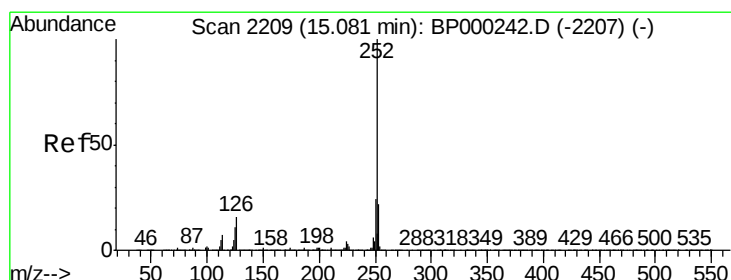
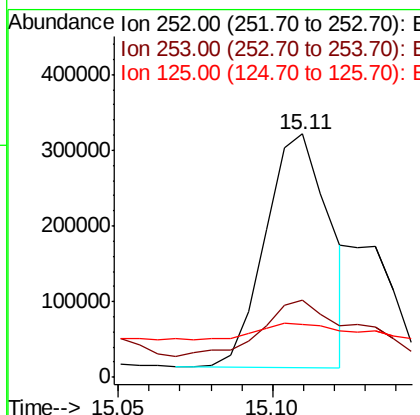
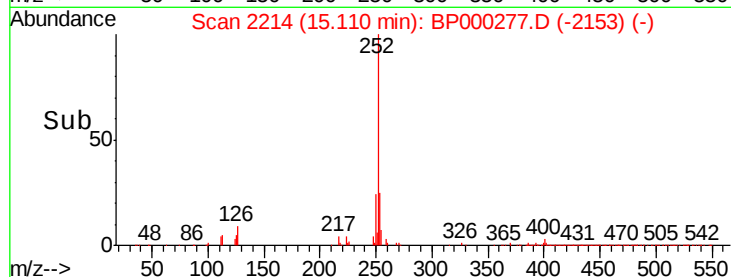
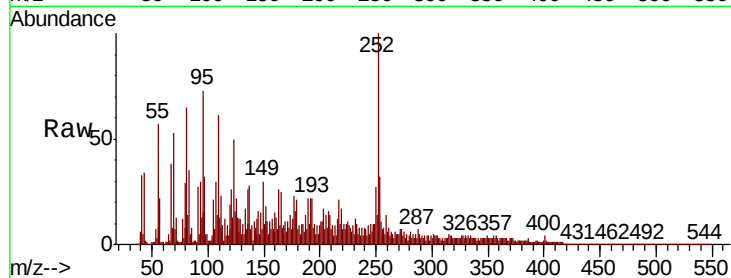
#88
Benzo(b)fluoranthene
Concen: 13.519 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.06 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Instrument :
BNA_P
ClientSampleId :
SB-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.8	17.8	26.6#
125	21.9	9.5	14.3#

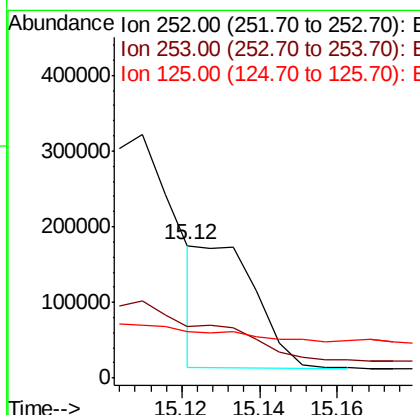
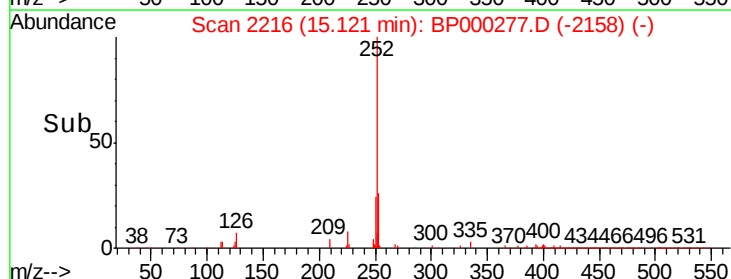
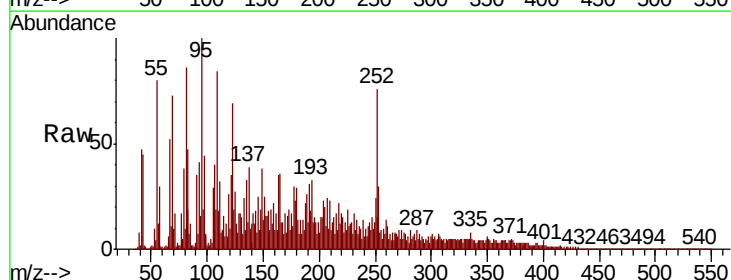
Manual Integrations
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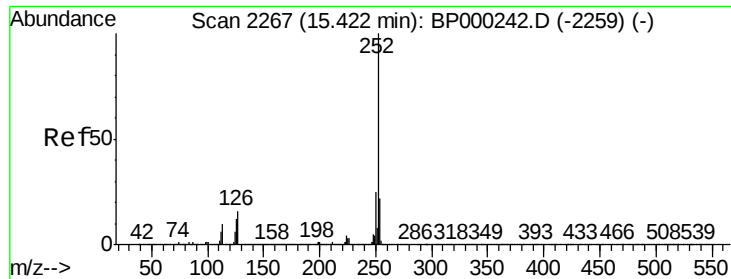
mohammad
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#89
Benzo(k)fluoranthene
Concen: 5.631 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.04 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	39.3	17.8	26.8#
125	34.8	9.6	14.4#





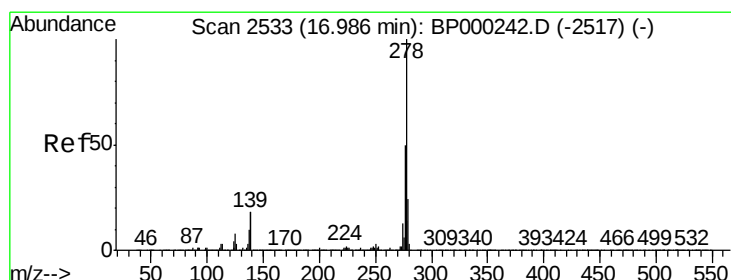
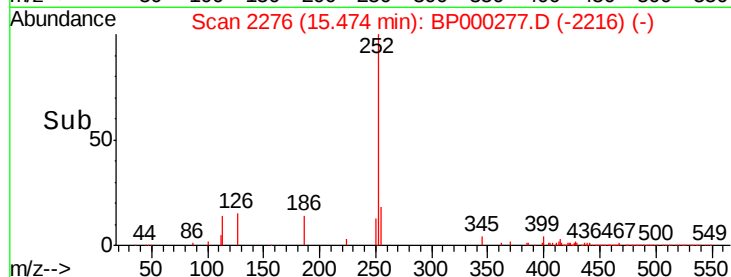
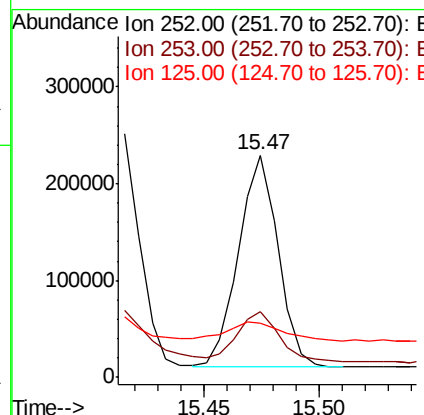
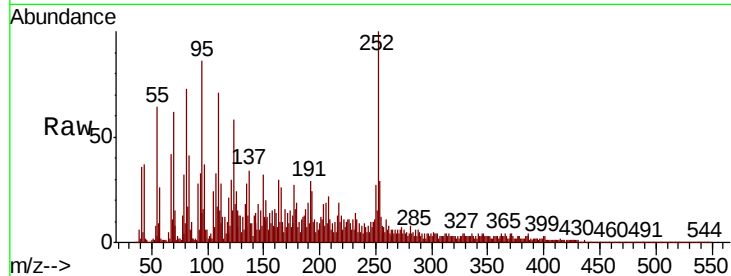
#90
Benzo(a)pyrene
Concen: 8.753 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.05 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Instrument :
BNA_P
ClientSampled :
SB-9

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	29.3	17.7	26.5#
125	24.3	10.0	15.0#

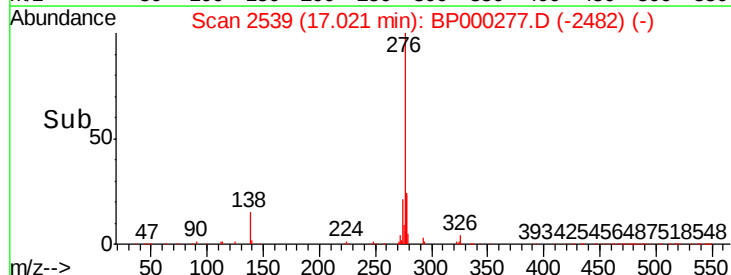
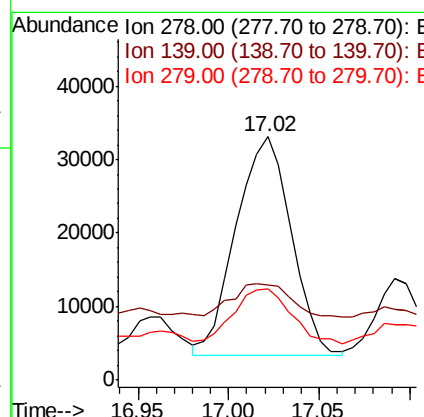
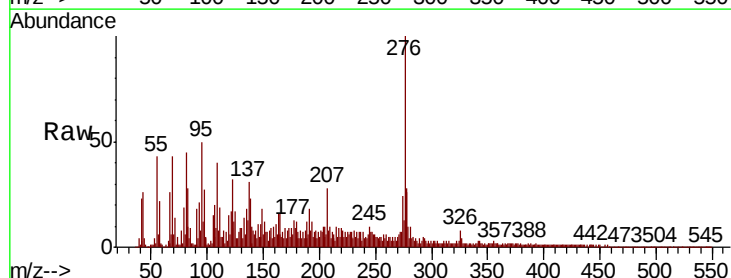
Manual Integrations
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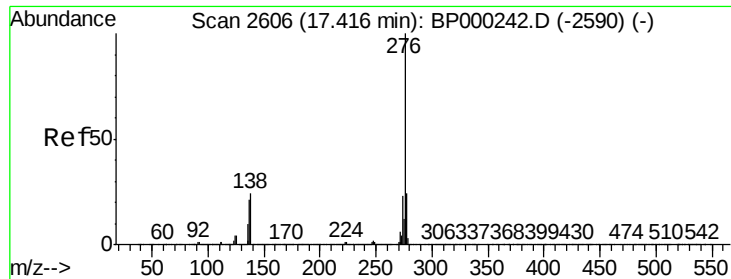
mohammad
9/19/2019 4:46:21 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.265 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.03 min
Lab File: BP000277.D
Acq: 17 Sep 2019 17:01

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	39.1	14.5	21.7#
279	37.8	19.0	28.6#





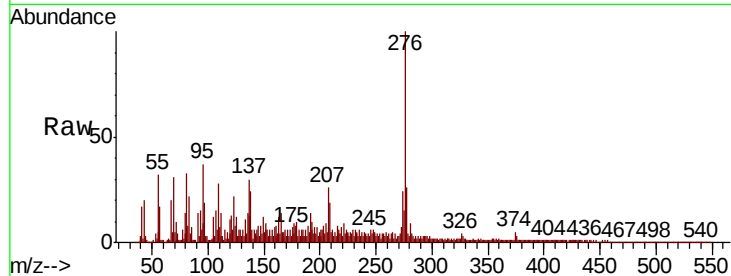
#92
 Benzo(a,h,i)perylene
 Concen: 9.541 ng
 RT: 17.46 min Scan# 2613
 Delta R.T. 0.04 min
 Lab File: BP000277.D
 Acq: 17 Sep 2019 17:01

Instrument :
 BNA_P
 ClientSampleId :
 SB-9

Tot Ion:	276	Resp:	274289
Ion Ratio	Lower	Upper	
276	100		
277	26.0	19.1	28.7
138	23.6	19.5	29.3

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:46:21 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

